

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060287.D
 Acq On : 6 Nov 2018 12:31
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 06 13:47:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:45:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1584828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2196272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1746606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	889536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	587341	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	6.34	113	877831	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	9.47	98	2542972	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
62) 4-Bromofluorobenzene	12.44	95	898540	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	645840	46.795	ug/l	97
3) Chloromethane	1.76	50	683691	47.645	ug/l	100
4) Vinyl Chloride	1.86	62	584557	48.457	ug/l	98
5) Bromomethane	2.16	94	166471	50.246	ug/l	98
6) Chloroethane	2.27	64	214495	49.423	ug/l	95
7) Trichlorofluoromethane	2.52	101	725505	48.312	ug/l	97
8) Diethyl Ether	2.83	74	133145	46.845	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.10	101	483811	50.087	ug/l	98
10) Methyl Iodide	3.26	142	624381	66.681	ug/l	98
11) Tert butyl alcohol	3.99	59	130746	269.728	ug/l #	92
12) 1,1-Dichloroethene	3.09	96	393937	49.346	ug/l	95
13) Acrolein	2.99	56	135243	224.983	ug/l	96
14) Allyl chloride	3.55	41	754729	49.750	ug/l	98
15) Acrylonitrile	4.09	53	700207	263.471	ug/l	100
16) Acetone	3.17	43	481976	234.450	ug/l	100
17) Carbon Disulfide	3.33	76	1234219	47.643	ug/l	100
18) Methyl Acetate	3.56	43	195842	46.554	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	1199617	53.401	ug/l	100
20) Methylene Chloride	3.73	84	826132	42.266	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	875999	51.490	ug/l	99
22) Diisopropyl ether	4.87	45	2851694	51.638	ug/l	100
23) Vinyl Acetate	4.82	43	7118949	258.808	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1447657	51.936	ug/l	99
25) 2-Butanone	5.64	43	1055148	270.189	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1118552	51.111	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	912474	51.611	ug/l	99
28) Bromochloromethane	5.94	49	622438	50.197	ug/l	90
29) Tetrahydrofuran	5.96	42	549807	267.797	ug/l	100
30) Chloroform	6.12	83	1461731	51.957	ug/l	99
31) Cyclohexane	6.39	56	1312903	49.921	ug/l	96
32) 1,1,1-Trichloroethane	6.31	97	1235058	53.246	ug/l	98
36) 1,1-Dichloropropene	6.54	75	1091658	51.416	ug/l	99
37) Ethyl Acetate	5.71	43	523959	55.293	ug/l	99
38) Carbon Tetrachloride	6.51	117	1019378	52.682	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1268391	53.130	ug/l	99
40) Benzene	6.81	78	2863703	52.272	ug/l	100
41) Methacrylonitrile	5.96	41	587731	93.877	ug/l #	92
42) 1,2-Dichloroethane	6.91	62	757029	53.308	ug/l	99
43) Isopropyl Acetate	8.36	43	666091	54.457	ug/l #	99
44) Trichloroethene	7.75	130	876800	52.368	ug/l	99
45) 1,2-Dichloropropane	8.12	63	731932	53.563	ug/l	97
46) Dibromomethane	8.23	93	428499	54.687	ug/l	99
47) Bromodichloromethane	8.50	83	1028928	54.557	ug/l	100
48) Methyl methacrylate	8.26	41	398456	54.370	ug/l	97
49) 1,4-Dioxane	8.25	88	69988	1066.712	ug/l	96
51) 4-Methyl-2-Pentanone	9.36	43	2087281	270.374	ug/l	98
52) Toluene	9.56	92	1817297	52.422	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	872766	55.782	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1095889	53.680	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	503557	51.922	ug/l	98
56) Ethyl methacrylate	10.05	69	519142	56.312	ug/l	99
57) 1,3-Dichloropropane	10.39	76	811571	54.764	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1479674	271.472	ug/l	99
59) 2-Hexanone	10.50	43	1551244	272.829	ug/l	100
60) Dibromochloromethane	10.65	129	680163	55.326	ug/l	99
61) 1,2-Dibromoethane	10.77	107	547637	55.656	ug/l	99
64) Tetrachloroethene	10.26	164	798796	52.193	ug/l	99
65) Chlorobenzene	11.33	112	1941298	51.869	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	633106	51.268	ug/l	98
67) Ethyl Benzene	11.43	91	3196122	50.012	ug/l	98
68) m/p-Xylenes	11.57	106	2450784	103.895	ug/l	100
69) o-Xylene	11.95	106	1193814	52.087	ug/l	93
70) Styrene	11.97	104	1878000	50.883	ug/l	99
71) Bromoform	12.12	173	447810	56.577	ug/l	99
73) Isopropylbenzene	12.28	105	3127841	49.860	ug/l	99
74) N-amyl acetate	12.14	43	864271	54.278	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	536994	53.040	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	545191	53.985	ug/l	99
77) Bromobenzene	12.55	156	860059	51.331	ug/l	95
78) n-propylbenzene	12.64	91	4068015	51.579	ug/l	100
79) 2-Chlorotoluene	12.71	91	2165038	49.744	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2490158	51.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	159281	58.433	ug/l	98
82) 4-Chlorotoluene	12.82	91	2426939	49.978	ug/l	90
83) tert-Butylbenzene	13.06	119	2844851	52.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	2558165	51.708	ug/l	99
85) sec-Butylbenzene	13.23	105	3461748	52.367	ug/l	100
86) p-Isopropyltoluene	13.35	119	2816617	53.610	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1568088	52.428	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	1526042	52.318	ug/l	100
89) n-Butylbenzene	13.66	91	2800703	52.054	ug/l	99
90) Hexachloroethane	13.87	117	669715	52.351	ug/l	97
91) 1,2-Dichlorobenzene	13.67	146	1263303	51.787	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	68217	54.920	ug/l	62

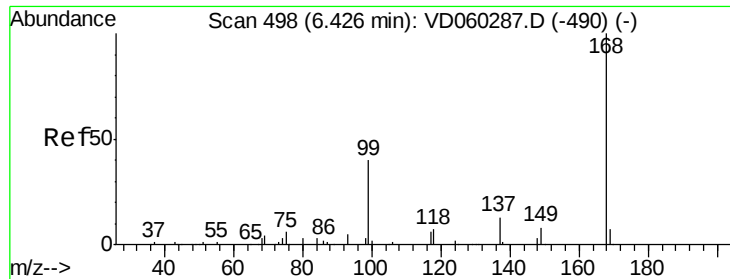
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1027518	54.297	ug/l	98
94) Hexachlorobutadiene	14.89	225	768286	54.971	ug/l	100
95) Naphthalene	14.98	128	1260178	53.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	819418	53.631	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

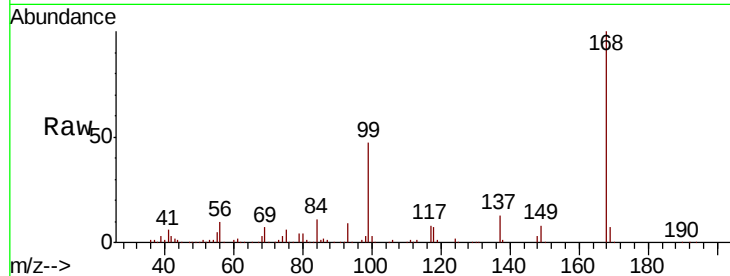
VSTDICCC050

Tot Ion:168 Resp: 1584828

Ion Ratio Lower Upper

168 100

99 46.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

600000

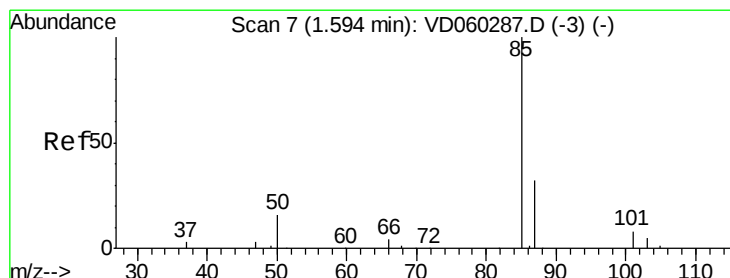
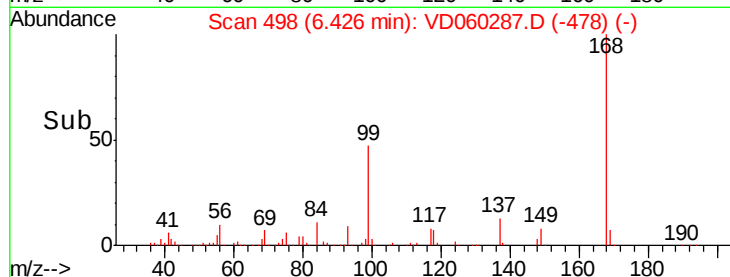
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 46.795 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060287.D

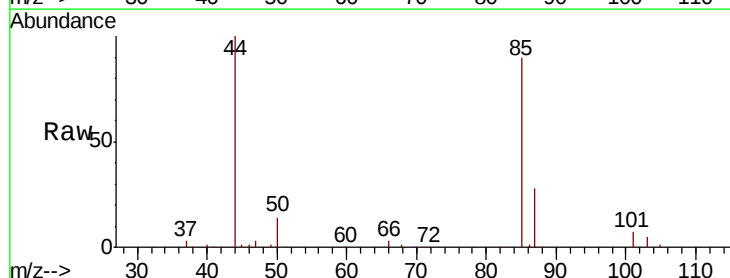
Acq: 6 Nov 2018 12:31

Tgt Ion: 85 Resp: 645840

Ion Ratio Lower Upper

85 100

87 31.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

300000

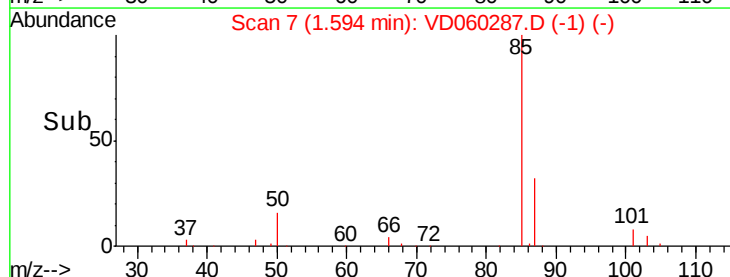
200000

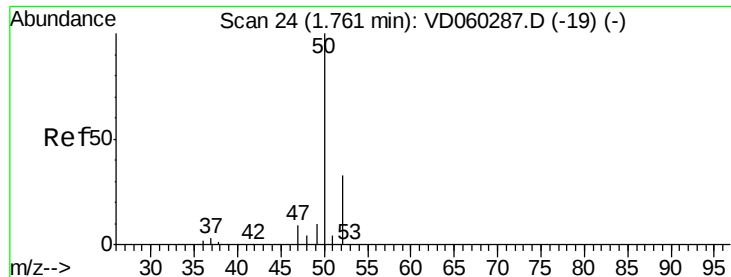
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.645 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

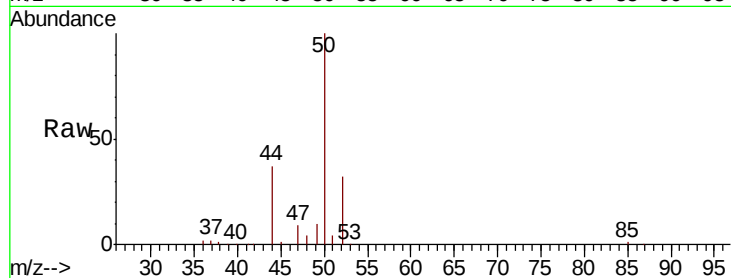
VSTDICCC050

Tot Ion: 50 Resp: 683691

Ion Ratio Lower Upper

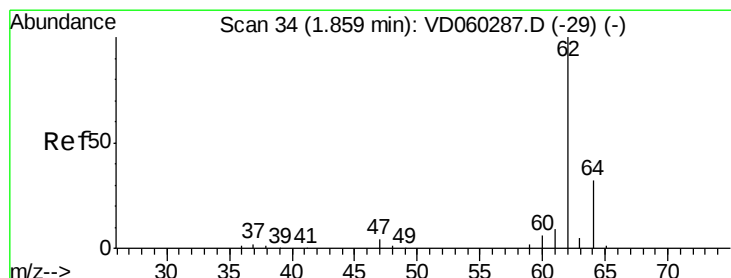
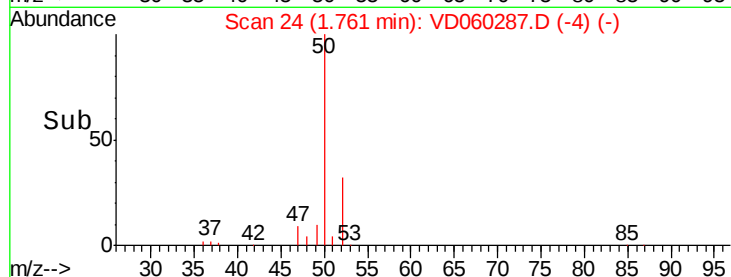
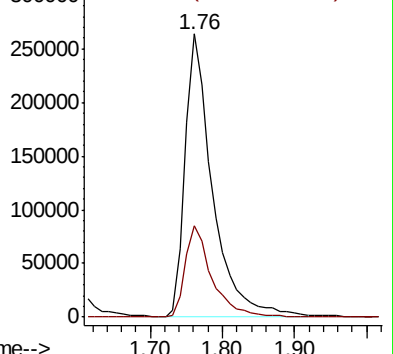
50 100

52 32.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.457 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060287.D

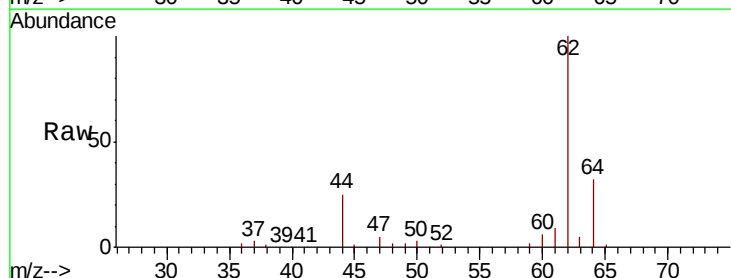
Acq: 6 Nov 2018 12:31

Tgt Ion: 62 Resp: 584557

Ion Ratio Lower Upper

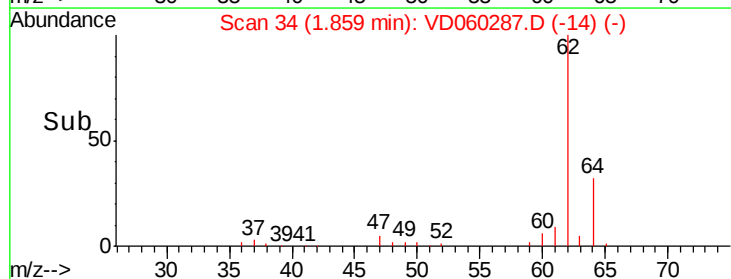
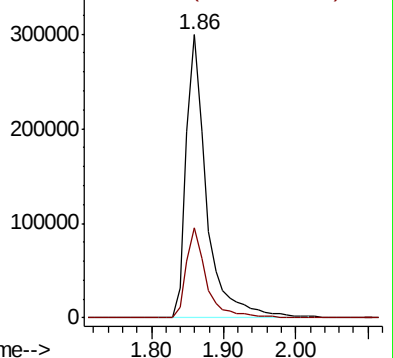
62 100

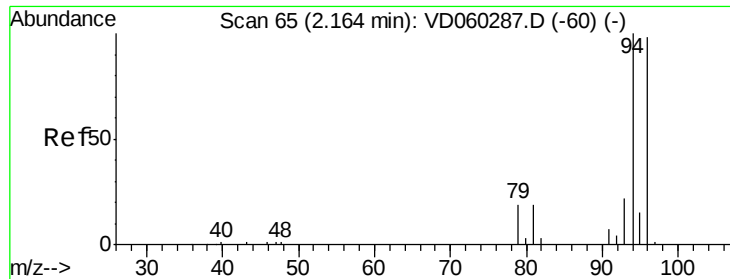
64 32.0 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.246 ug/l

RT: 2.16 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

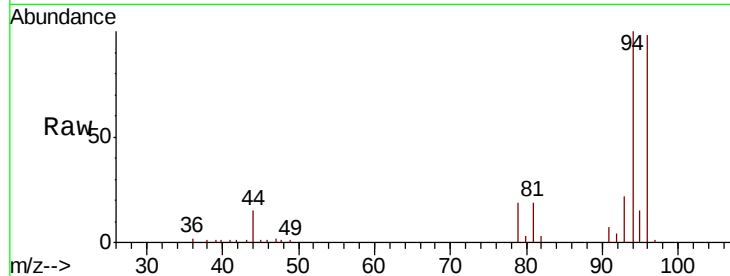
VSTDICCC050

Tot Ion: 94 Resp: 166471

Ion Ratio Lower Upper

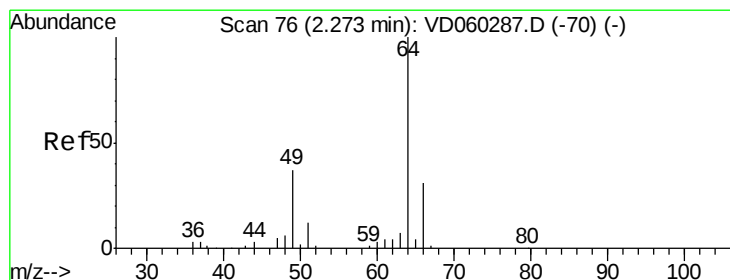
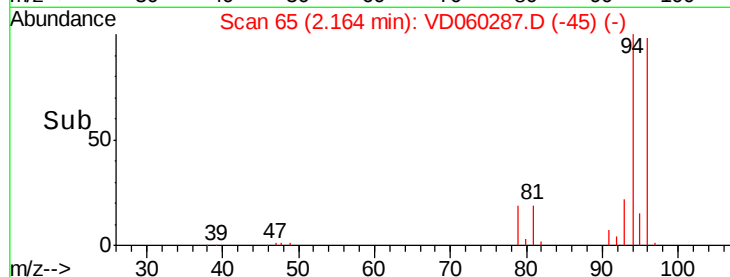
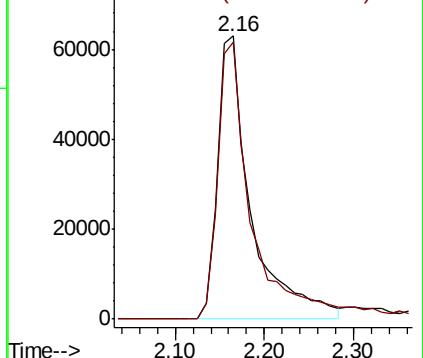
94 100

96 97.6 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.423 ug/l

RT: 2.27 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060287.D

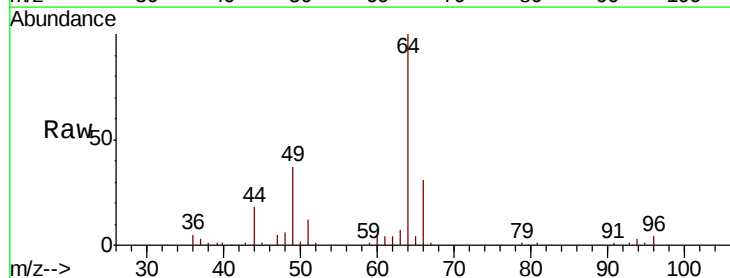
Acq: 6 Nov 2018 12:31

Tgt Ion: 64 Resp: 214495

Ion Ratio Lower Upper

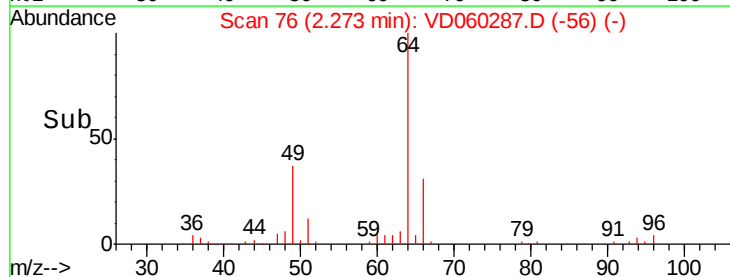
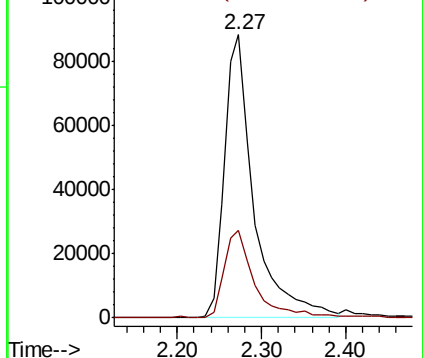
64 100

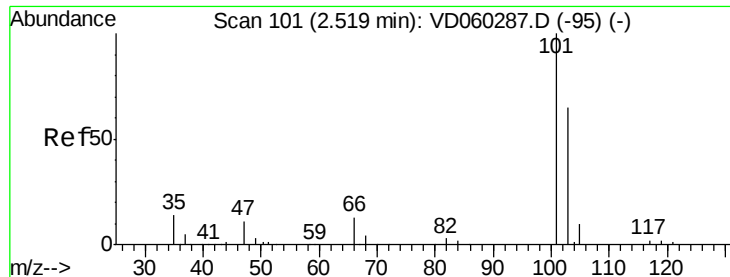
66 30.7 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



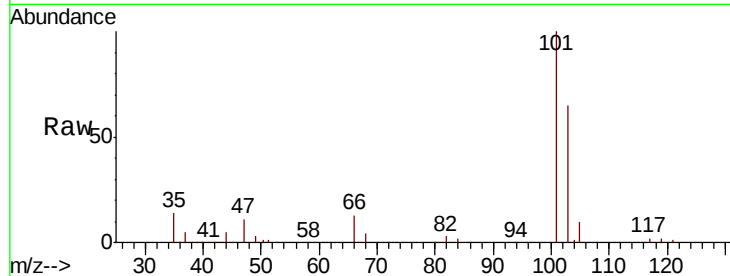


#7

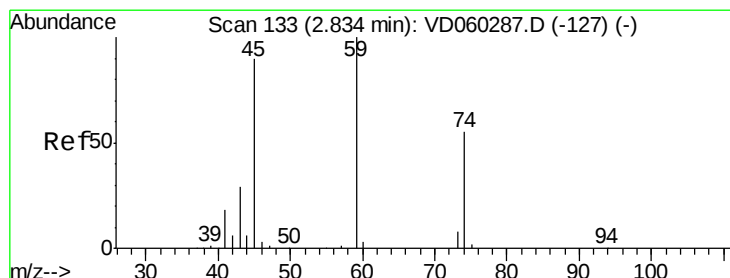
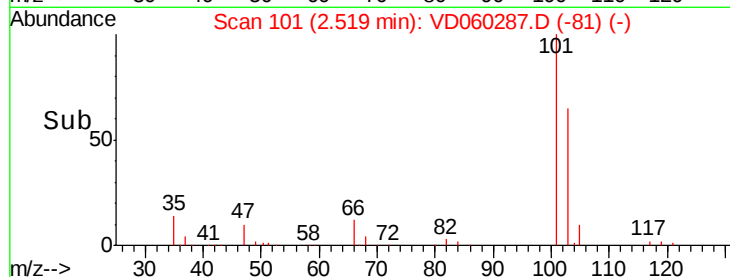
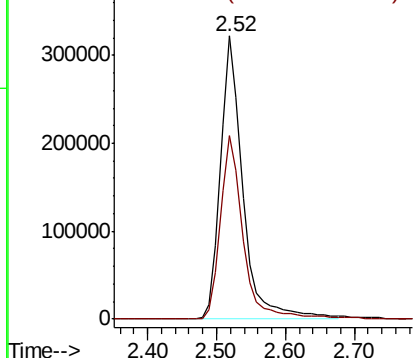
Trichlorofluoromethane
Concen: 48.312 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 725505
Ion Ratio Lower Upper
101 100
103 64.9 53.6 80.4



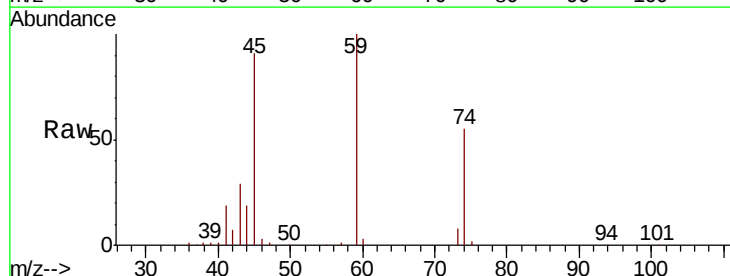
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



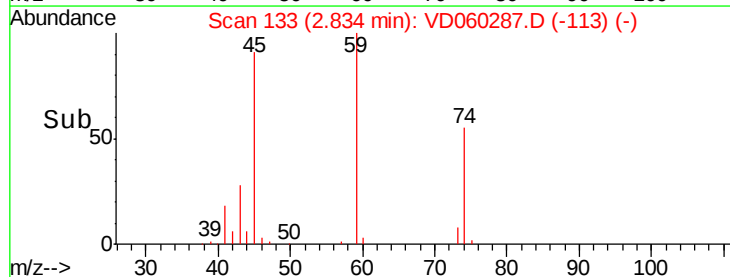
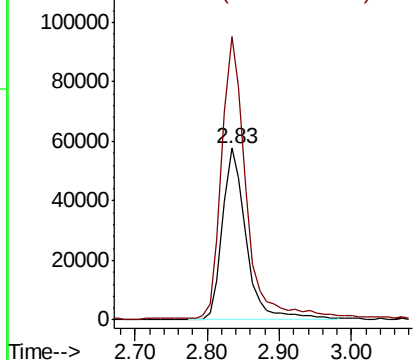
#8

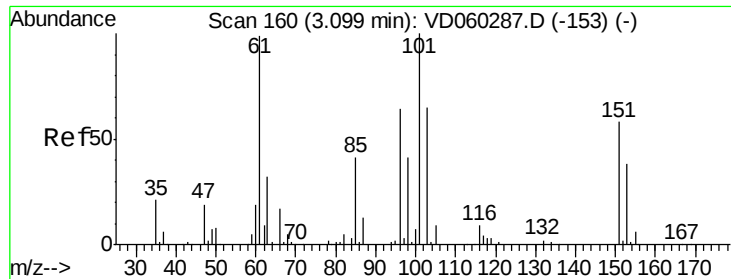
Diethyl Ether
Concen: 46.845 ug/l
RT: 2.83 min Scan# 133
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 74 Resp: 133145
Ion Ratio Lower Upper
74 100
45 164.6 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.087 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

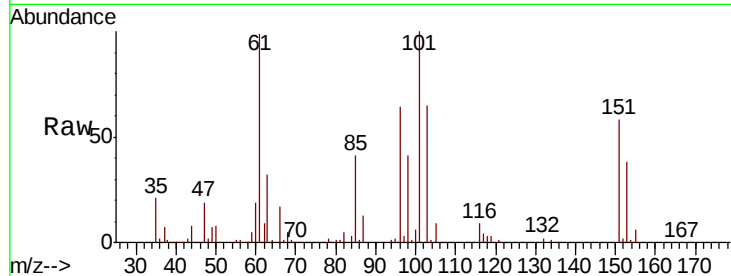
Tot Ion:101 Resp: 483811

Ion Ratio Lower Upper

101 100

85 40.6 31.4 47.0

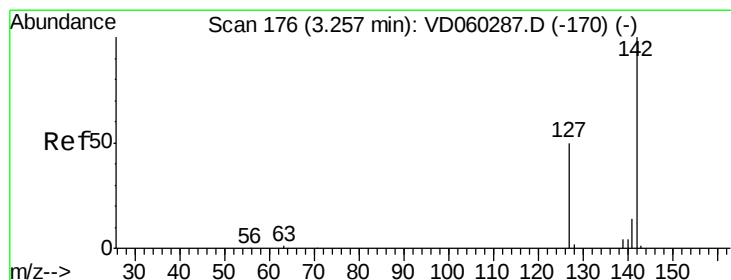
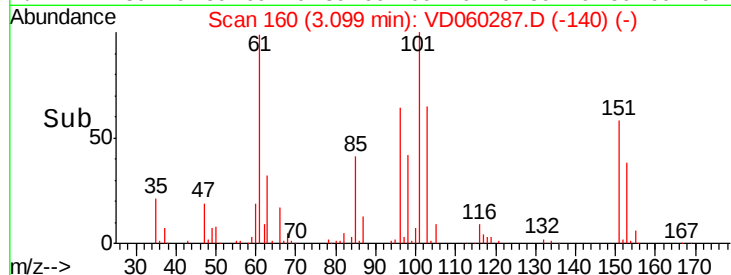
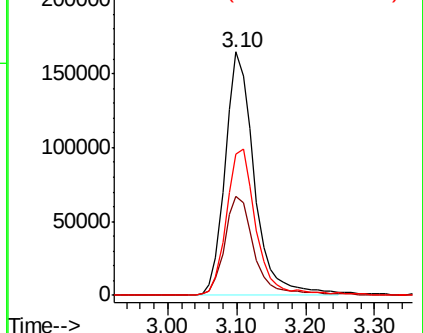
151 58.2 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 66.681 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

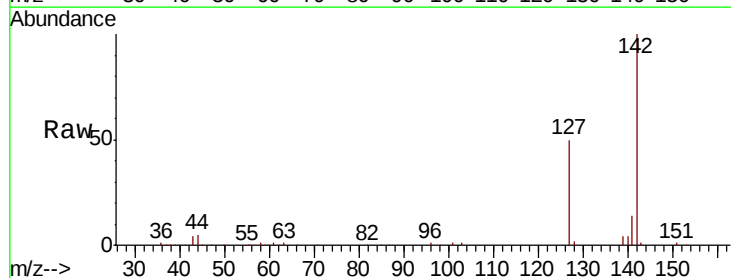
Tgt Ion:142 Resp: 624381

Ion Ratio Lower Upper

142 100

127 49.8 41.0 61.6

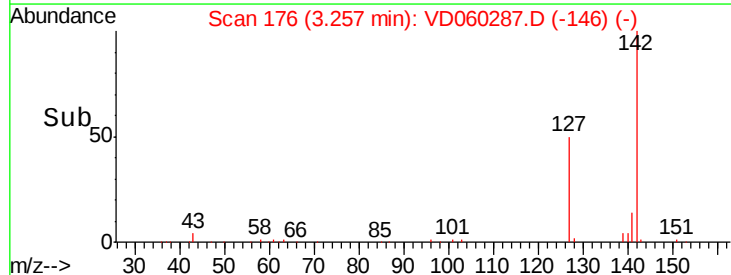
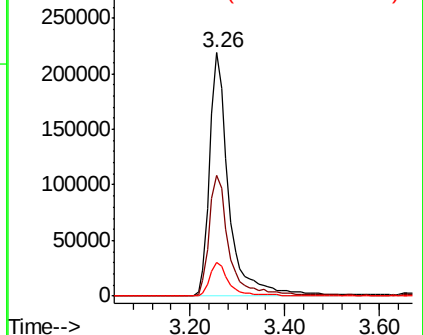
141 14.0 11.9 17.9

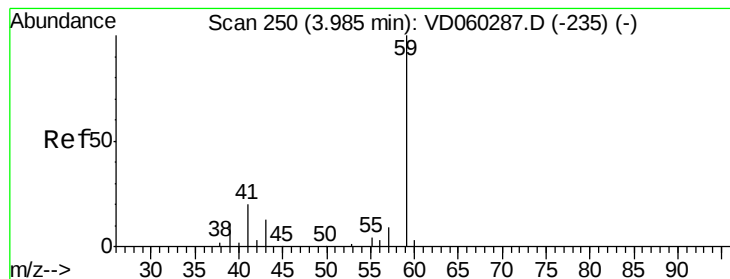


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



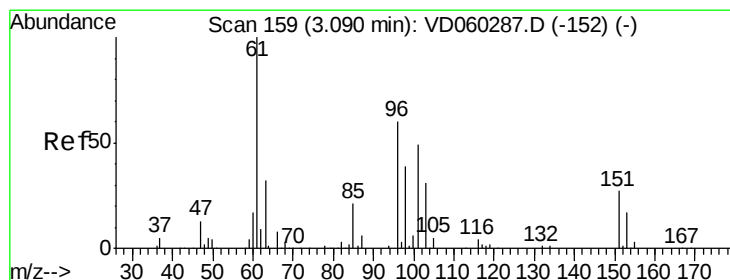
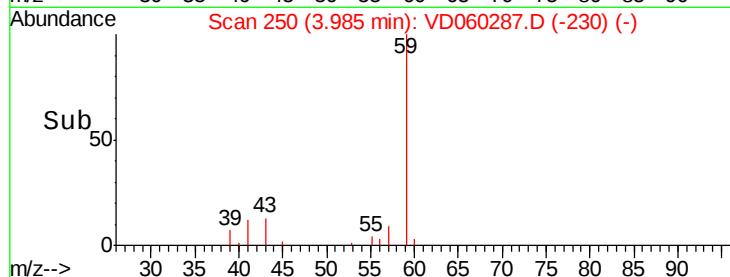
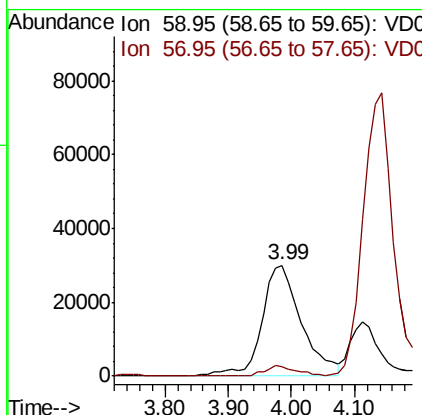
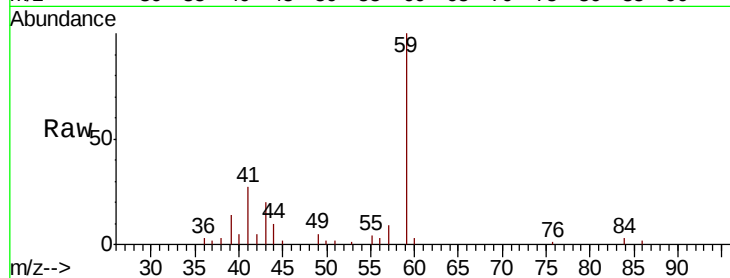


#11

Tert butyl alcohol
 Concen: 269.728 ug/l
 RT: 3.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

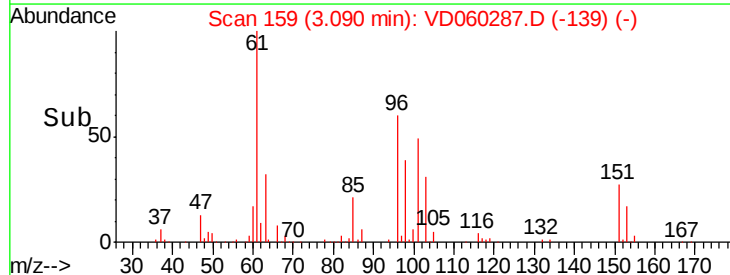
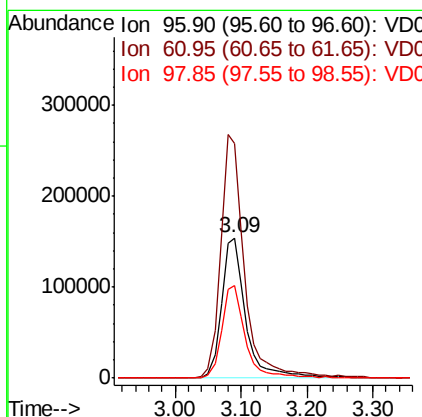
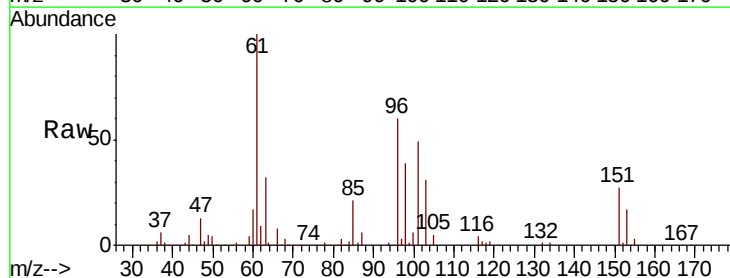
Tot Ion: 59 Resp: 130746
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.3 13.9#

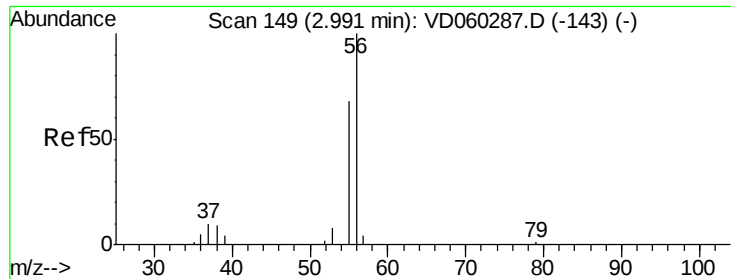


#12

1,1-Dichloroethene
 Concen: 49.346 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 96 Resp: 393937
 Ion Ratio Lower Upper
 96 100
 61 167.4 142.2 213.4
 98 65.7 52.6 79.0





#13

Acrolein

Concen: 224.983 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

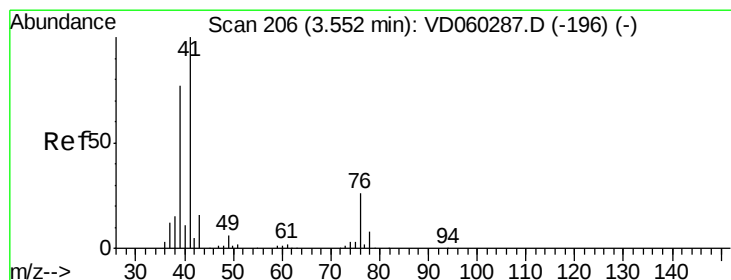
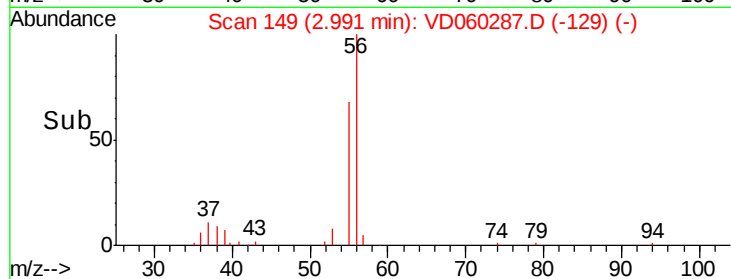
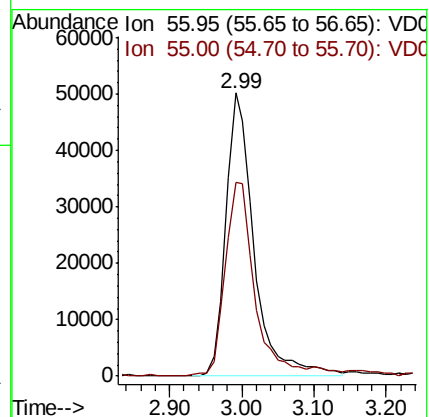
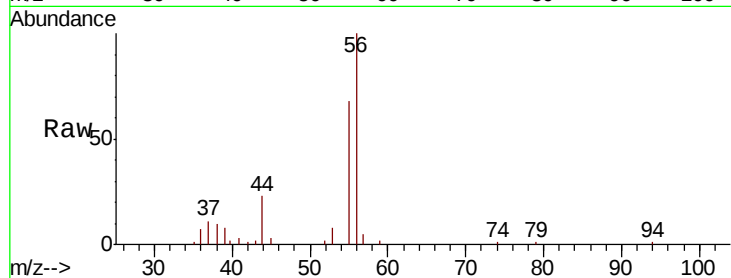
VSTDICCC050

Tot Ion: 56 Resp: 135243

Ion Ratio Lower Upper

56 100

55 68.4 57.0 85.6



#14

Allyl chloride

Concen: 49.750 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

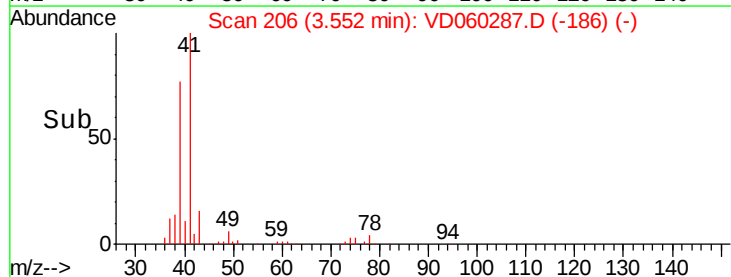
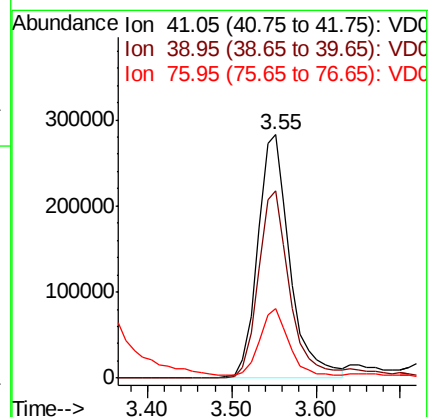
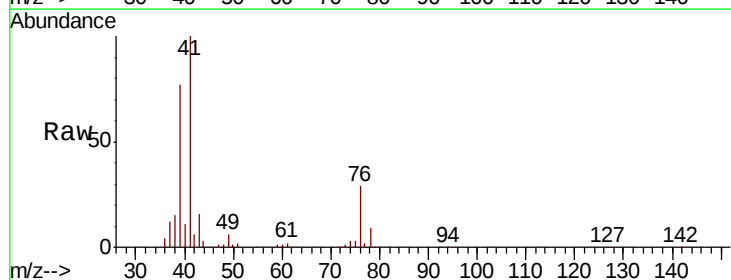
Tgt Ion: 41 Resp: 754729

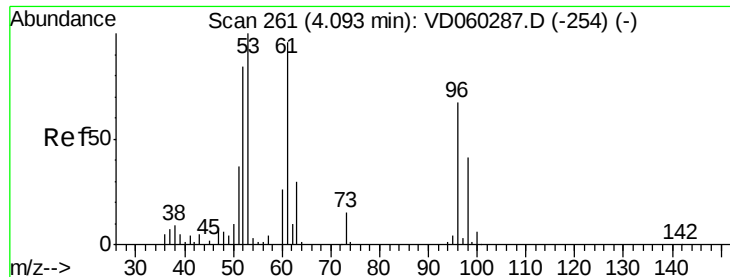
Ion Ratio Lower Upper

41 100

39 77.1 60.4 90.6

76 28.8 21.8 32.8





#15

Acrylonitrile

Concen: 263.471 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

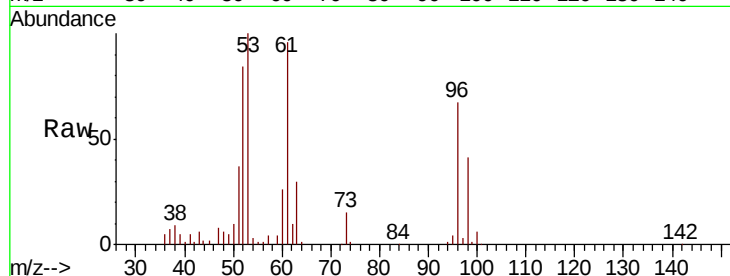
Tot Ion: 53 Resp: 700207

Ion Ratio Lower Upper

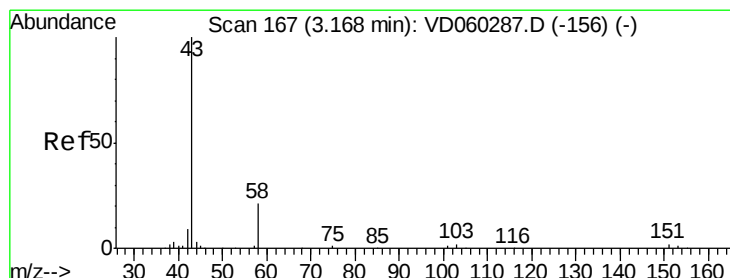
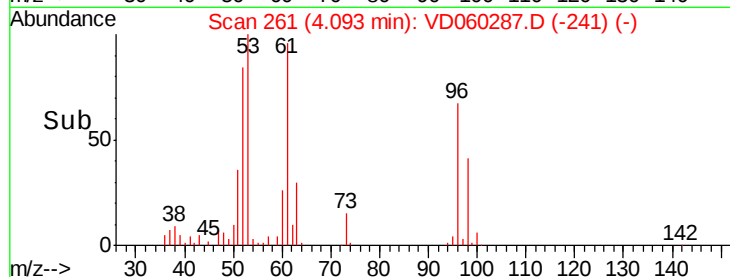
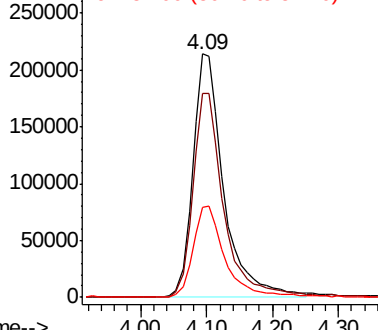
53 100

52 84.0 67.0 100.4

51 36.9 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 234.450 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060287.D

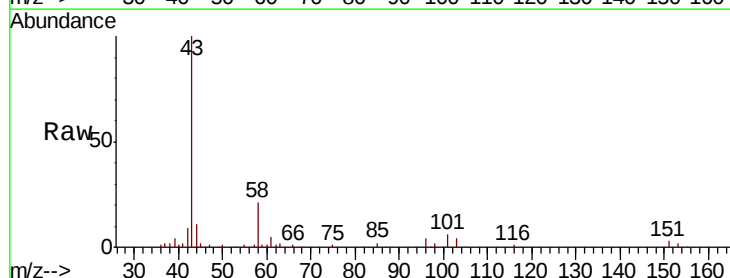
Acq: 6 Nov 2018 12:31

Tgt Ion: 43 Resp: 481976

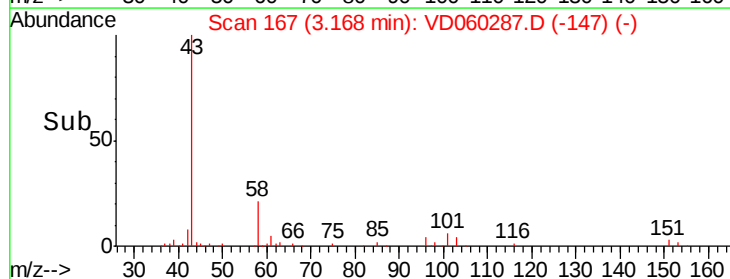
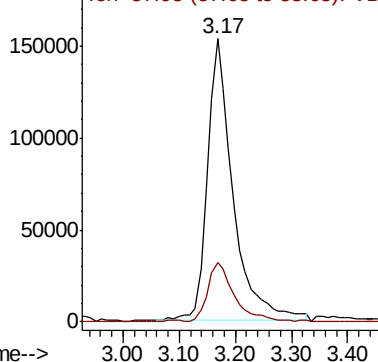
Ion Ratio Lower Upper

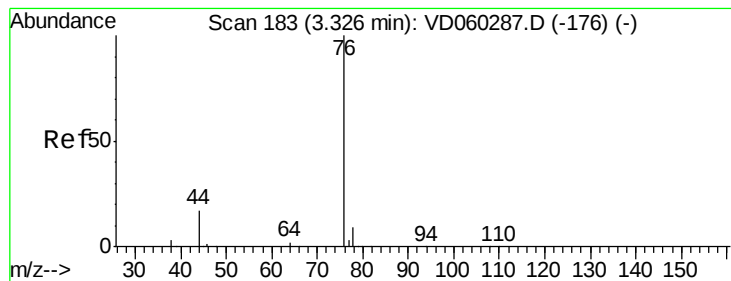
43 100

58 21.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.643 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

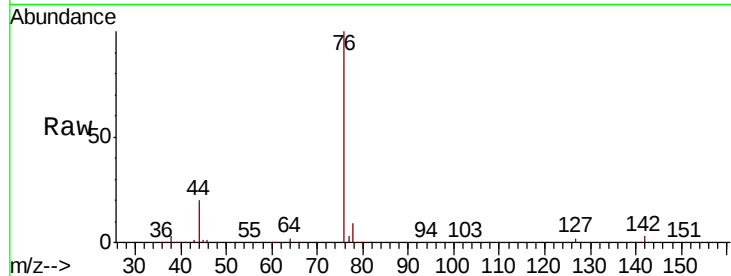
VSTDICCC050

Tot Ion: 76 Resp: 1234219

Ion Ratio Lower Upper

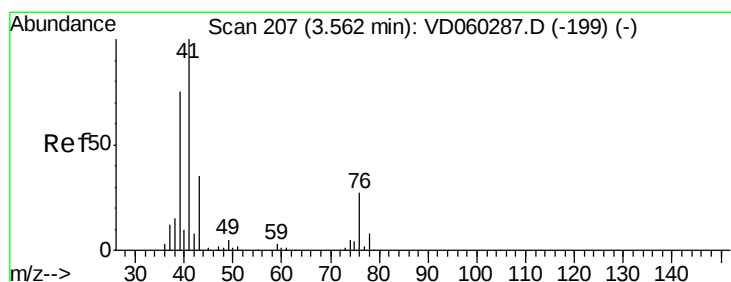
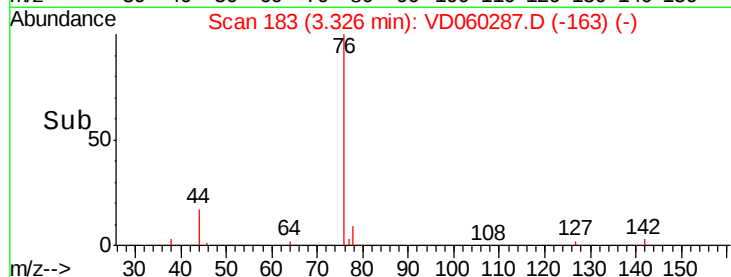
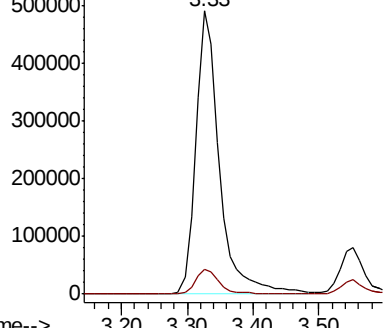
76 100

78 8.9 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.554 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060287.D

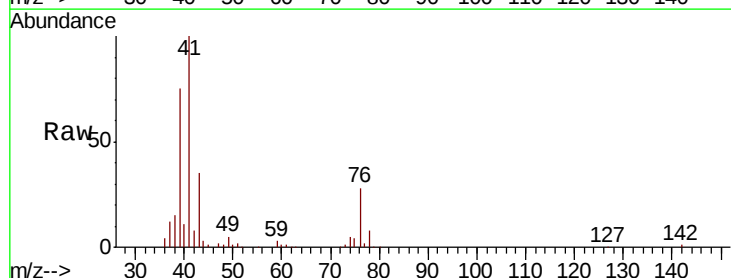
Acq: 6 Nov 2018 12:31

Tgt Ion: 43 Resp: 195842

Ion Ratio Lower Upper

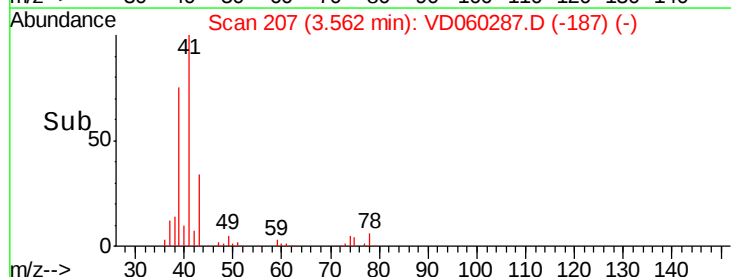
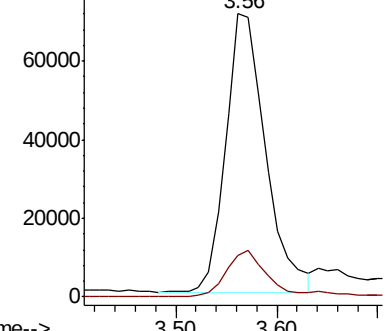
43 100

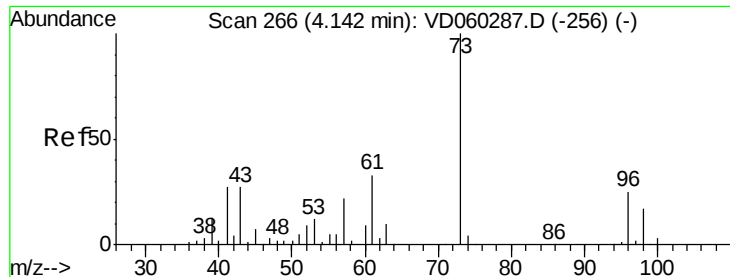
74 14.7 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

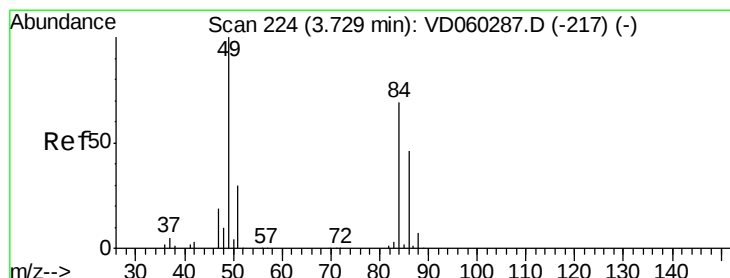
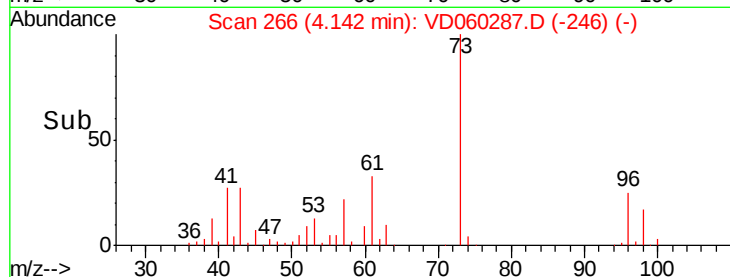
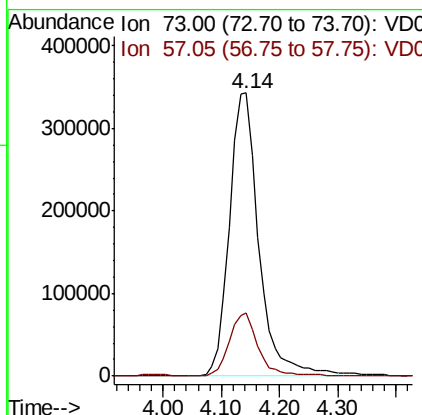
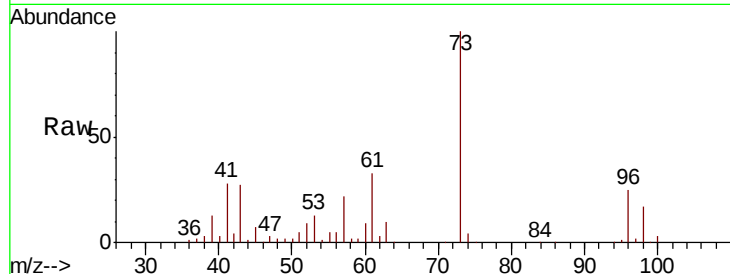




#19
Methyl tert-butyl Ether
Concen: 53.401 ug/l
RT: 4.14 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

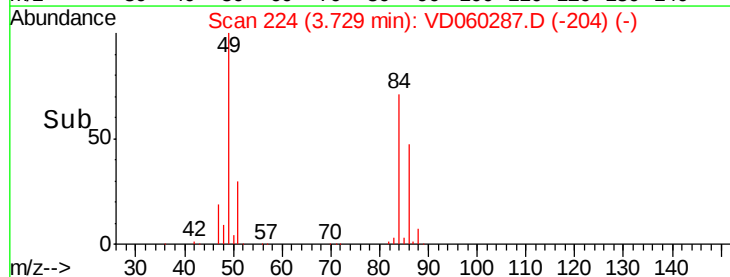
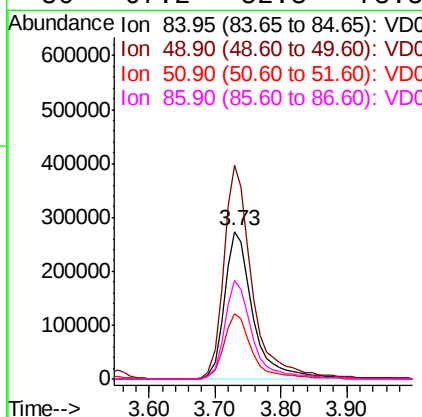
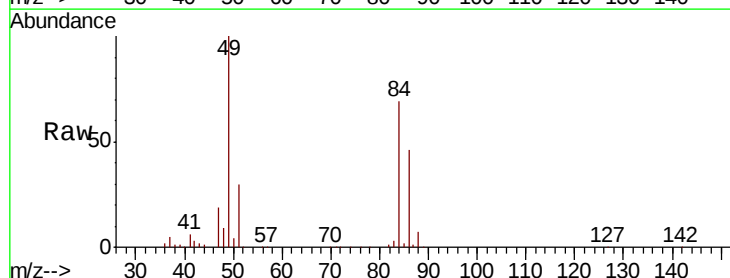
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

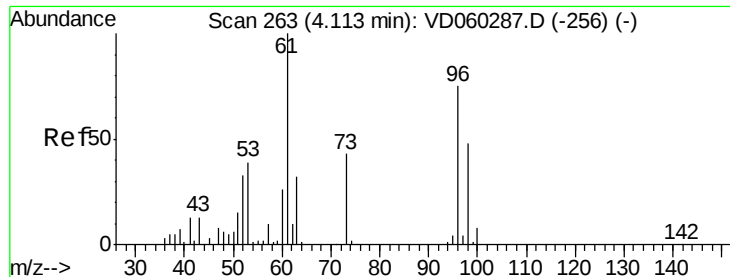
Tot Ion: 73 Resp: 1199617
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1



#20
Methylene Chloride
Concen: 42.266 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 84 Resp: 826132
Ion Ratio Lower Upper
84 100
49 145.0 115.6 173.4
51 43.9 35.6 53.4
86 67.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.490 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampled :

VSTDICCC050

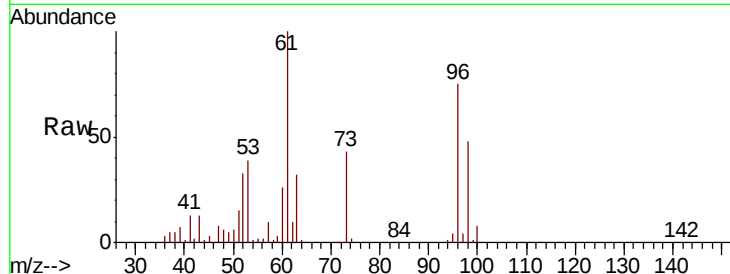
Tot Ion: 96 Resp: 875999

Ion Ratio Lower Upper

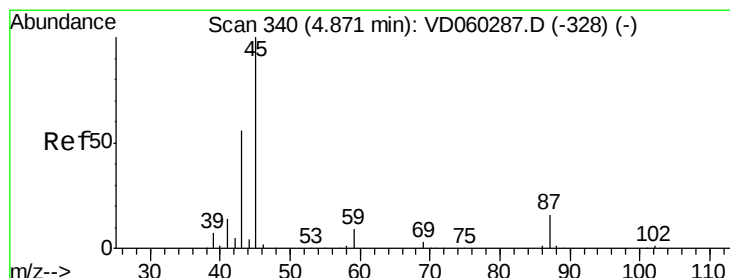
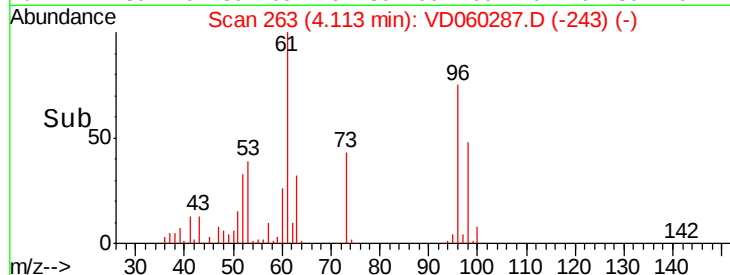
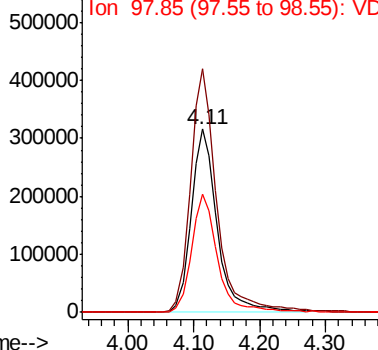
96 100

61 133.0 105.8 158.6

98 64.5 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 51.638 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Tgt Ion: 45 Resp: 2851694

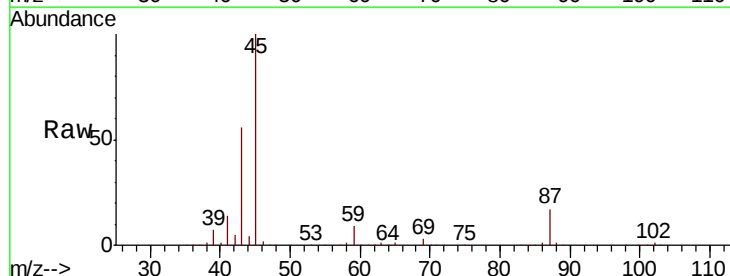
Ion Ratio Lower Upper

45 100

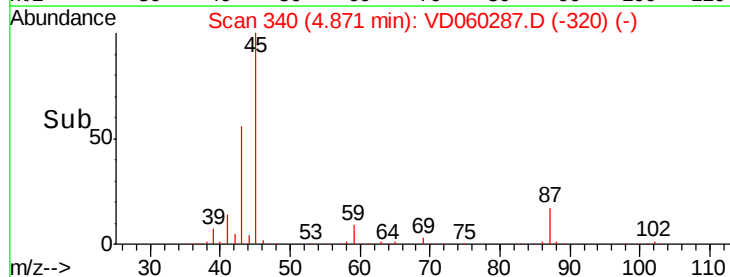
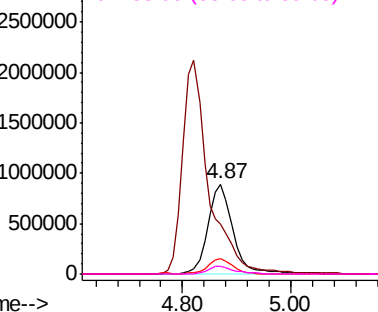
43 56.2 44.9 67.3

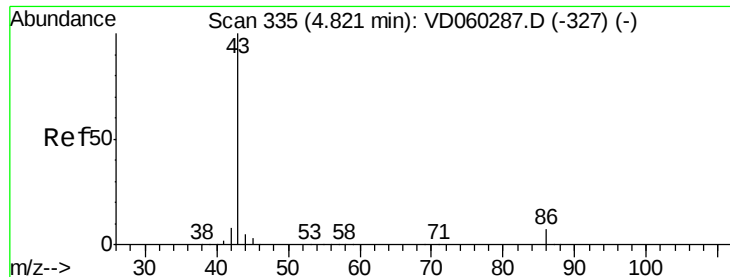
87 16.7 13.9 20.9

59 8.8 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 258.808 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

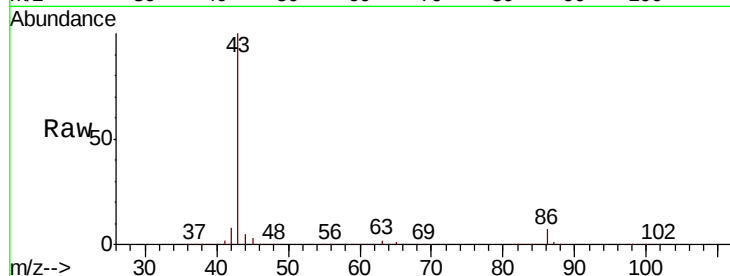
VSTDICCC050

Tot Ion: 43 Resp: 7118949

Ion Ratio Lower Upper

43 100

86 6.8 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060287.D (-327) (-)

Ion 86.00 (85.70 to 86.70): VD060287.D (-327) (-)

2500000

2000000

1500000

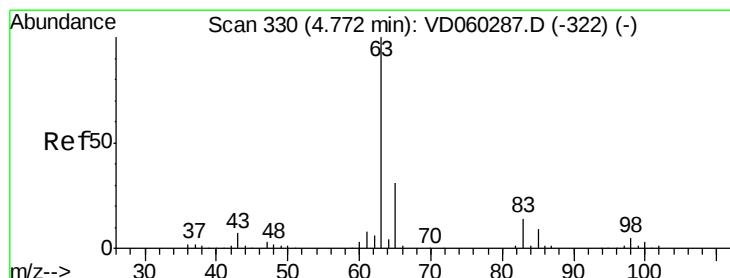
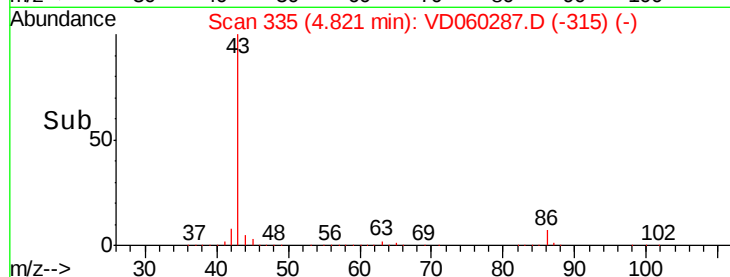
1000000

500000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.936 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

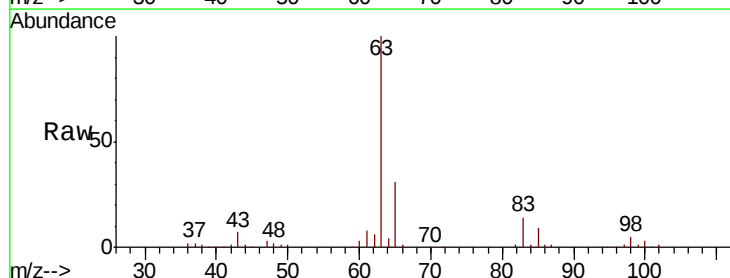
Tgt Ion: 63 Resp: 1447657

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 3.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD060287.D (-322) (-)

Ion 97.95 (97.65 to 98.65): VD060287.D (-322) (-)

Ion 99.95 (99.65 to 100.65): VD060287.D (-322) (-)

600000

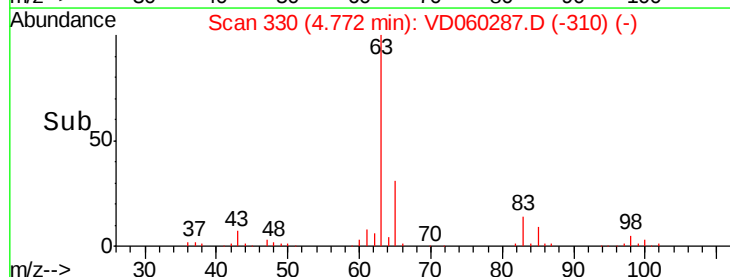
400000

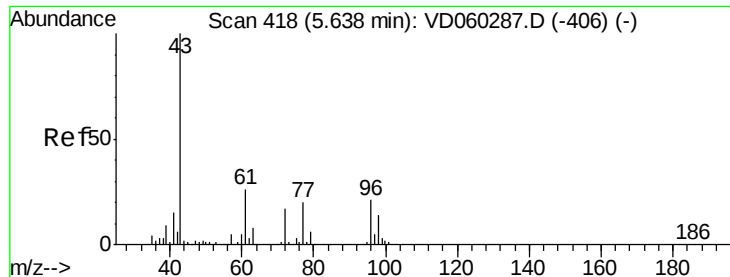
200000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 270.189 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

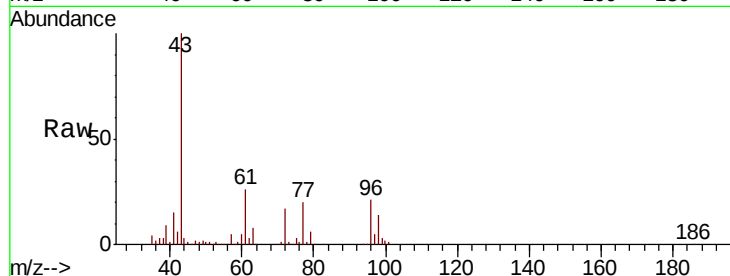
VSTDICCC050

Tot Ion: 43 Resp: 1055148

Ion Ratio Lower Upper

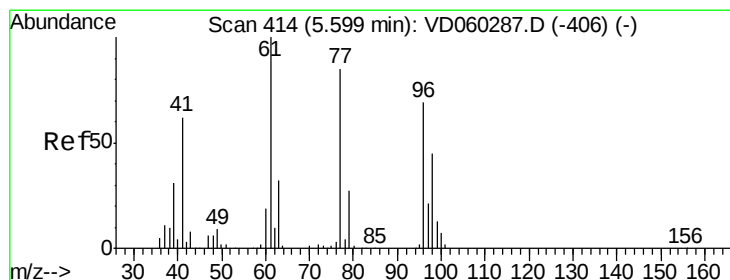
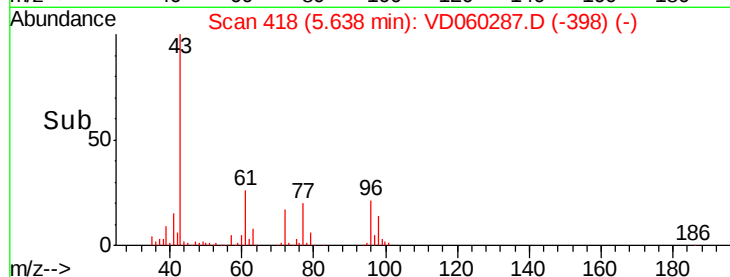
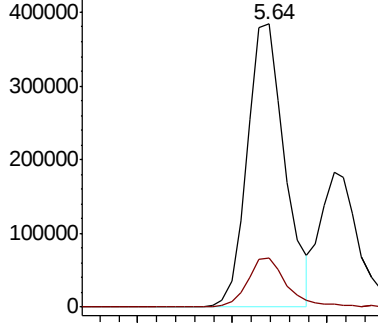
43 100

72 17.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.111 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060287.D

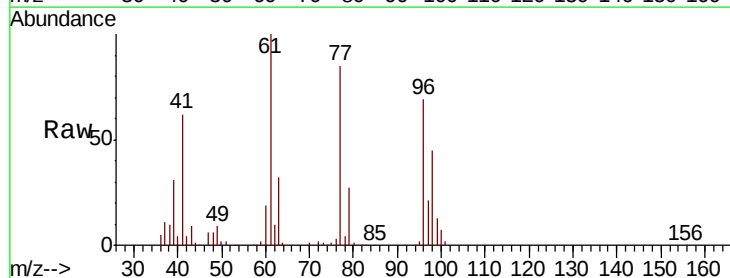
Acq: 6 Nov 2018 12:31

Tgt Ion: 77 Resp: 1118552

Ion Ratio Lower Upper

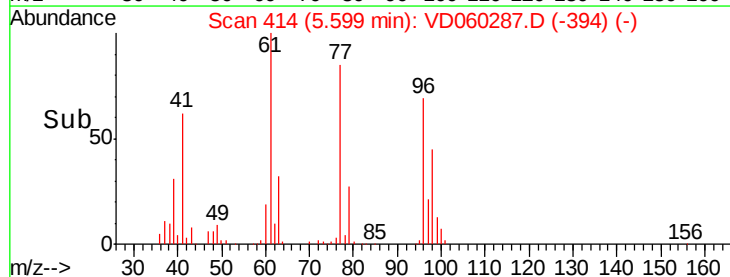
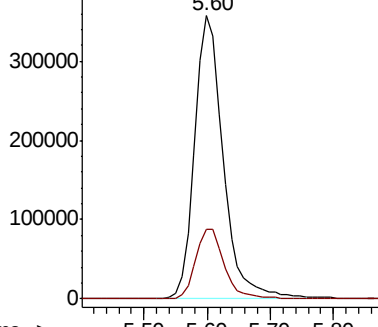
77 100

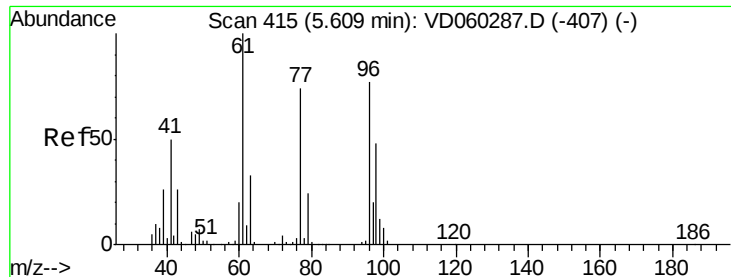
97 24.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



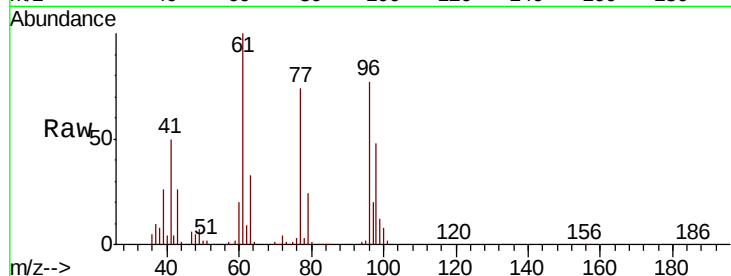


#27

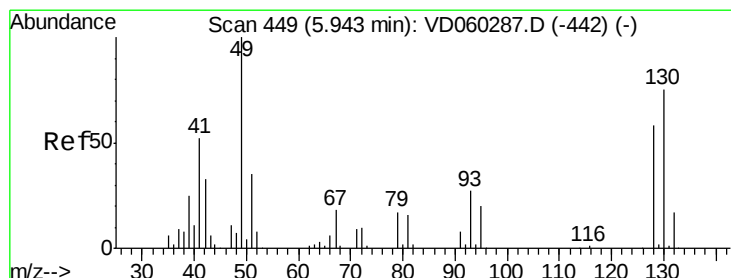
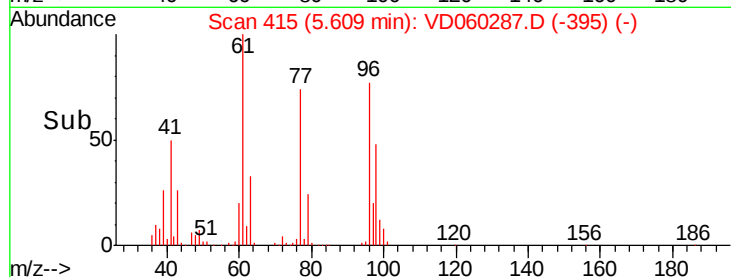
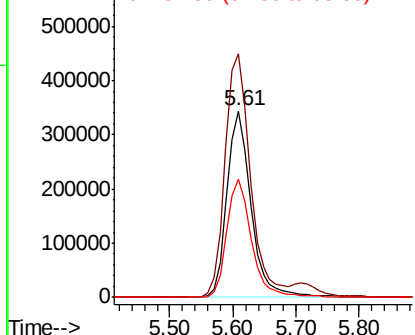
cis-1,2-Dichloroethene
 Concen: 51.611 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 96 Resp: 912474
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 259.0
 98 63.1 0.0 128.8



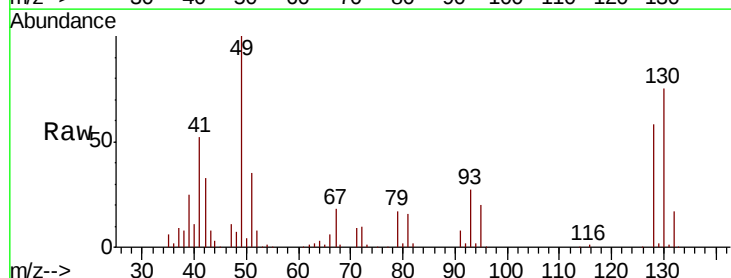
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



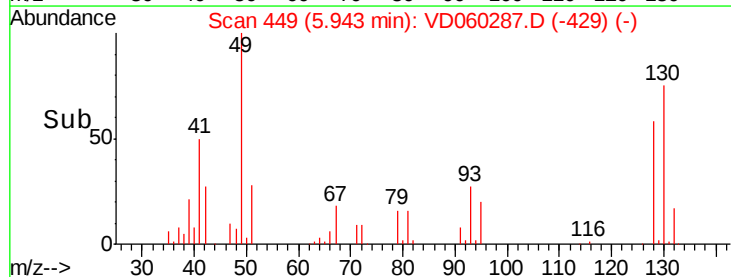
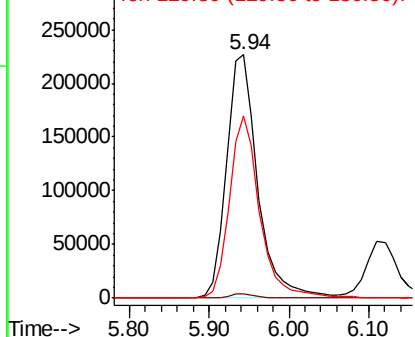
#28

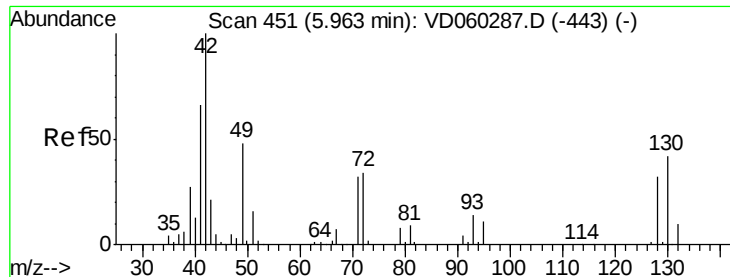
Bromochloromethane
 Concen: 50.197 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 49 Resp: 622438
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.8
 130 75.0 53.6 80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

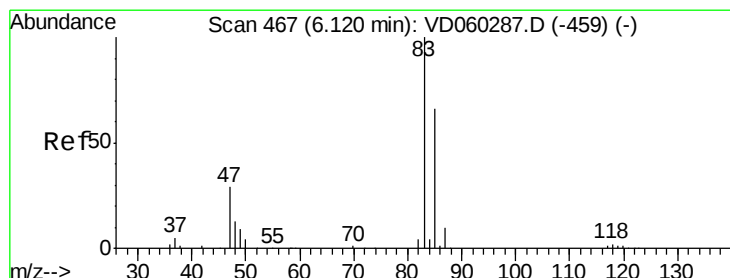
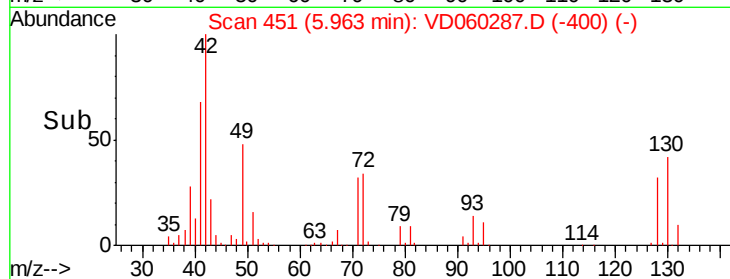
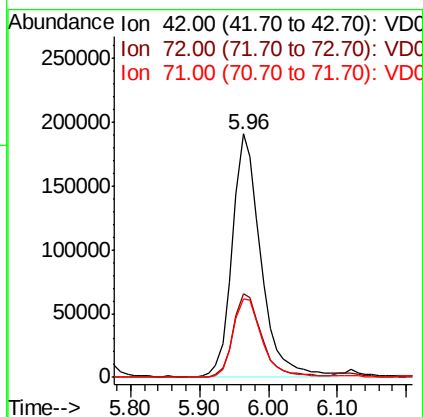
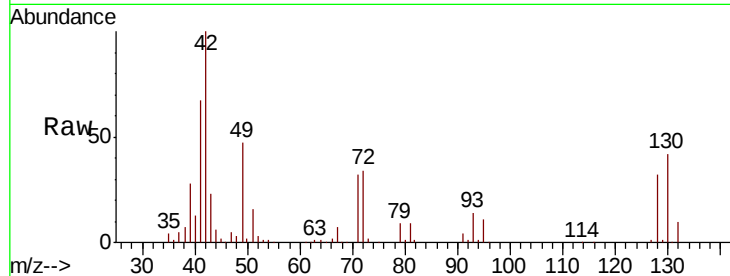




#29
Tetrahydrofuran
Concen: 267.797 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

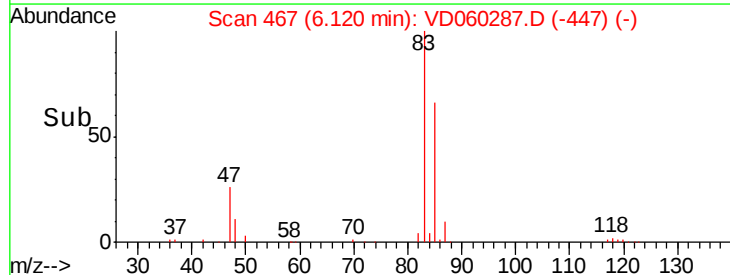
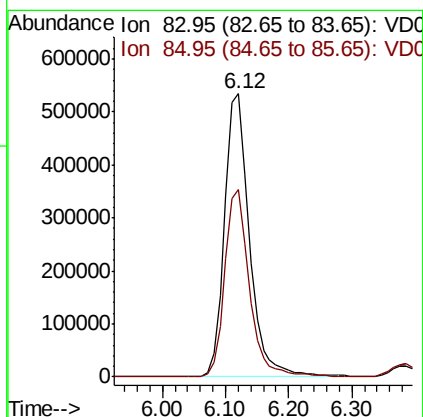
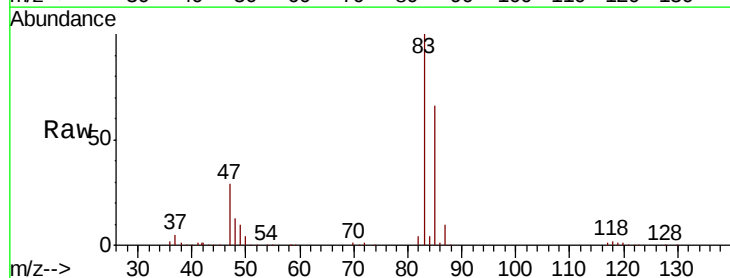
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

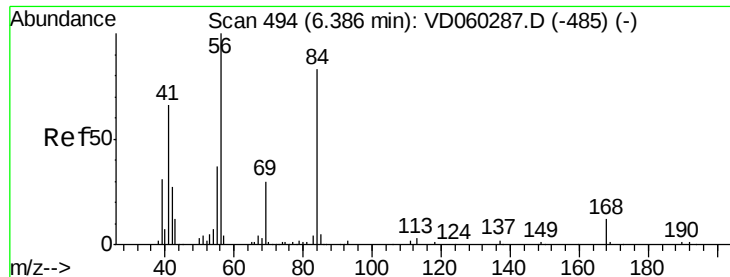
Tot Ion: 42 Resp: 549807
Ion Ratio Lower Upper
42 100
72 34.6 27.6 41.4
71 33.0 26.5 39.7



#30
Chloroform
Concen: 51.957 ug/l
RT: 6.12 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 83 Resp: 1461731
Ion Ratio Lower Upper
83 100
85 66.1 52.5 78.7





#31

Cyclohexane

Concen: 49.921 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

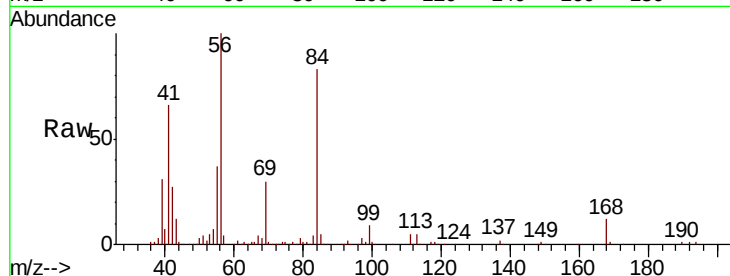
Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

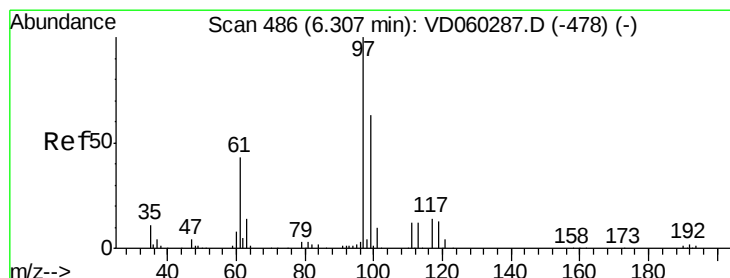
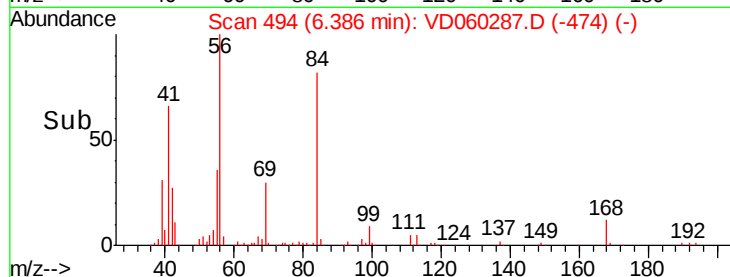
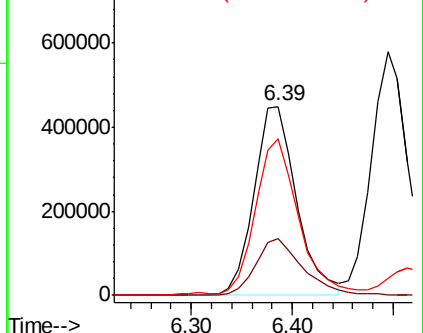
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 1312903

Ion	Ratio	Lower	Upper
56	100		
69	29.7	22.2	33.2
84	82.5	63.0	94.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.246 ug/l

RT: 6.31 min Scan# 486

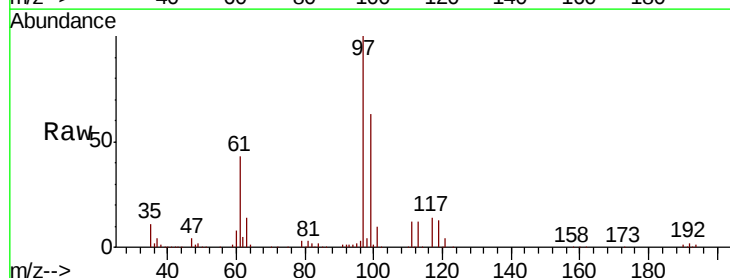
Delta R.T. 0.00 min

Lab File: VD060287.D

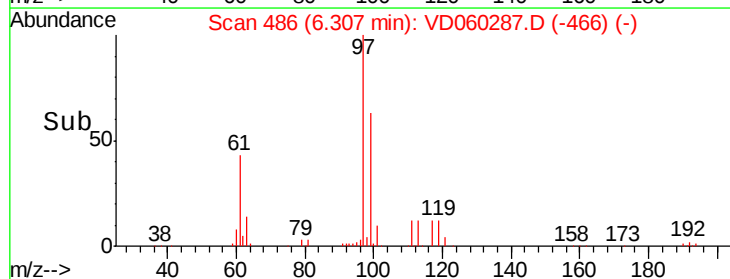
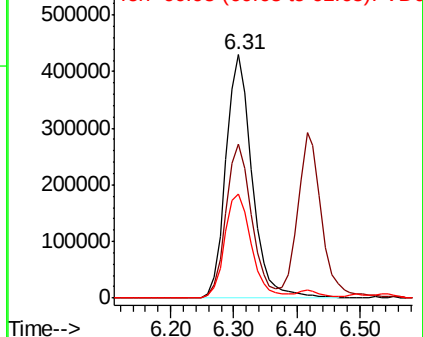
Acq: 6 Nov 2018 12:31

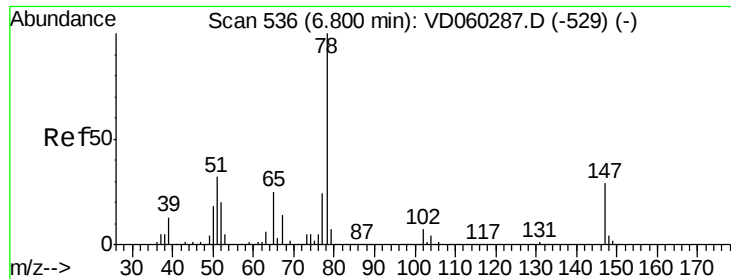
Tgt Ion: 97 Resp: 1235058

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	43.0	35.8	53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

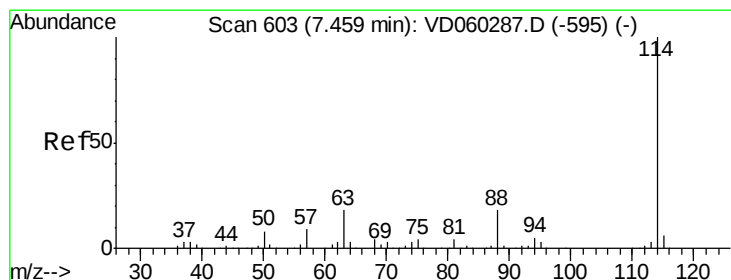
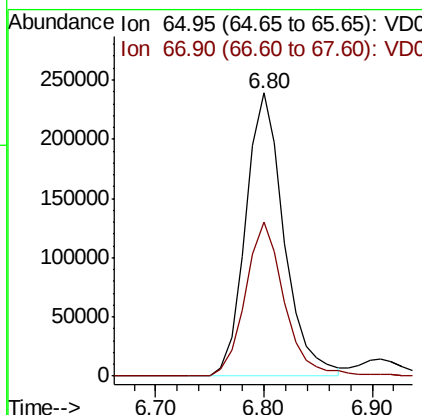
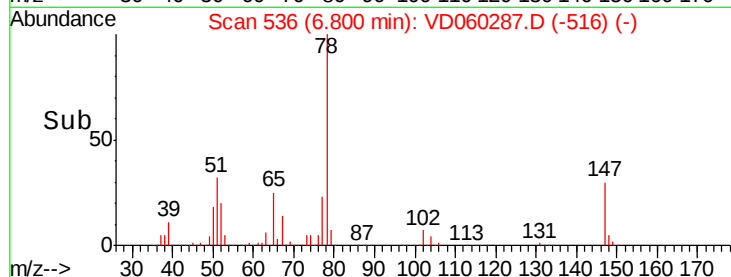
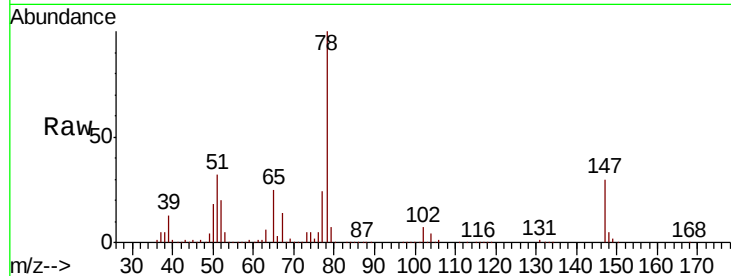




#33
 1,2-Dichloroethane-d4
 Concen: 53.246 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

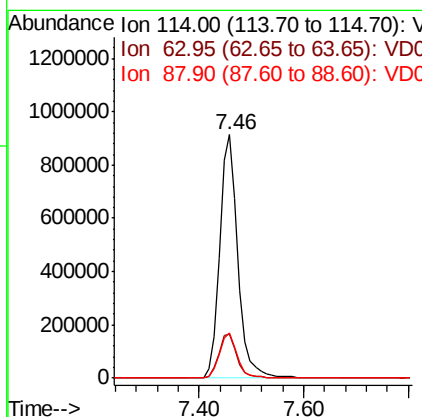
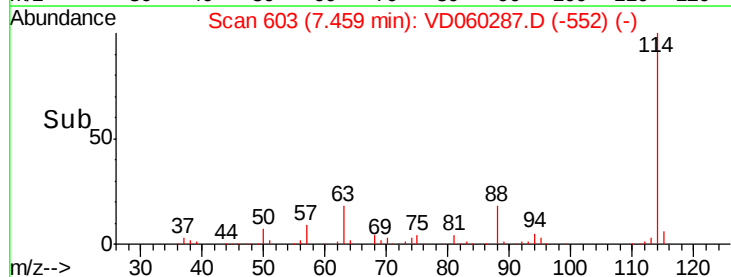
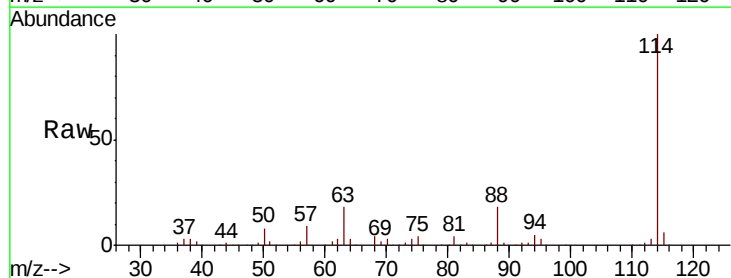
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

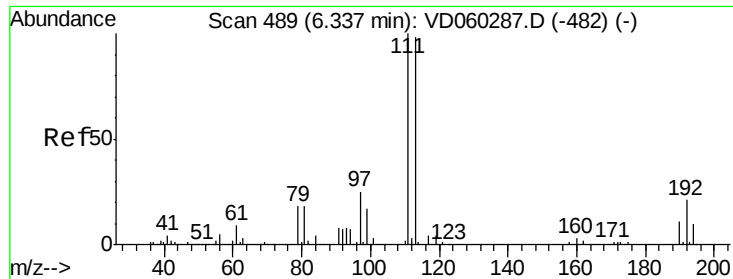
Tot Ion: 65 Resp: 587341
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 114 Resp: 2196272
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 18.4 0.0 35.4

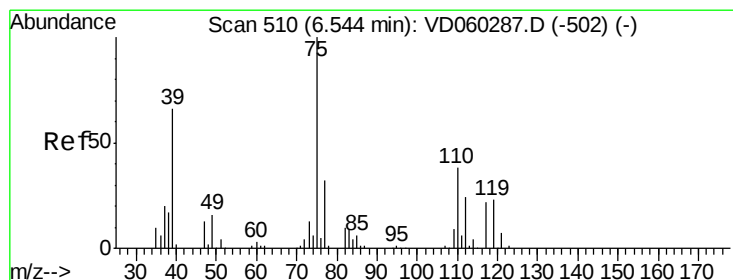
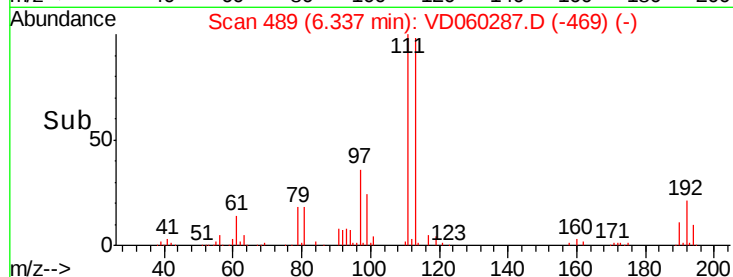
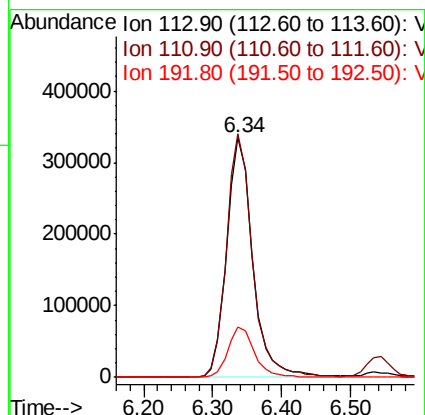
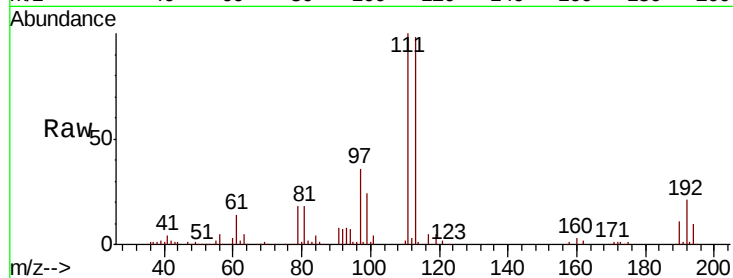




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

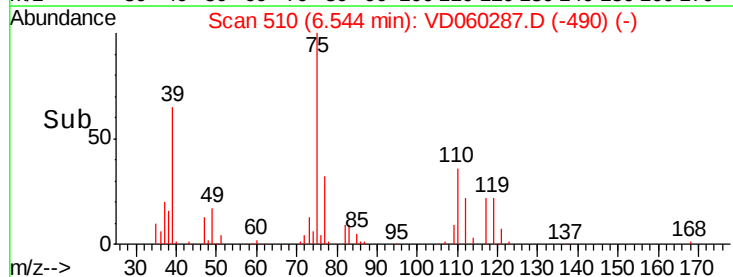
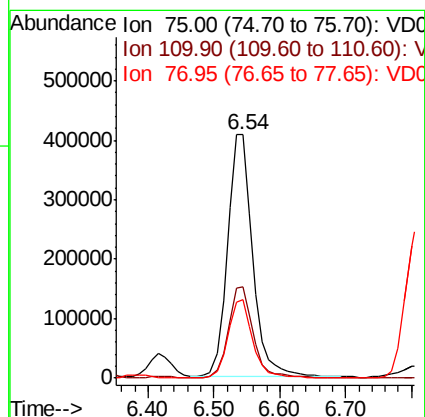
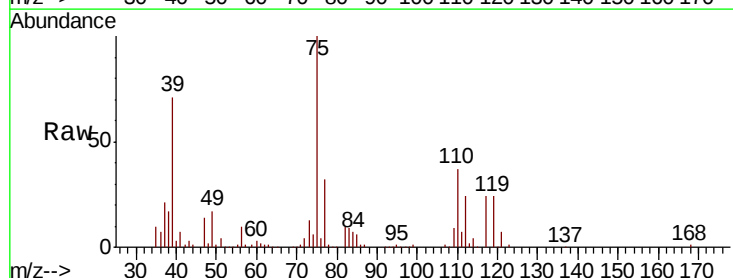
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

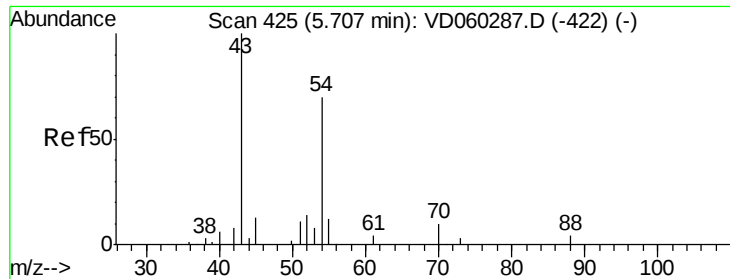
Tot Ion:113 Resp: 877831
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.6 122.4
 192 20.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 51.416 ug/l
 RT: 6.54 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 75 Resp: 1091658
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.0 54.0
 77 32.2 25.6 38.4

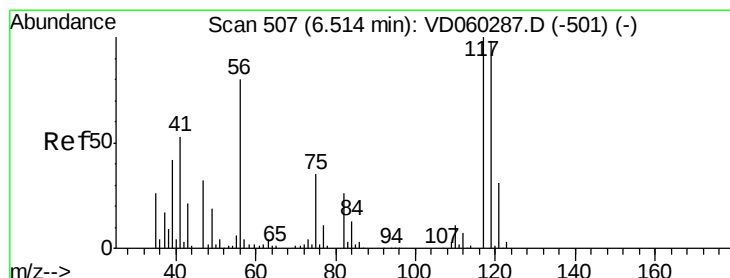
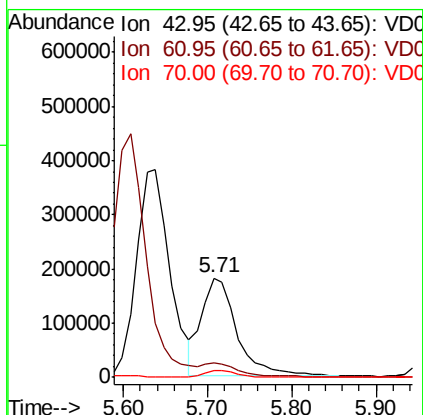
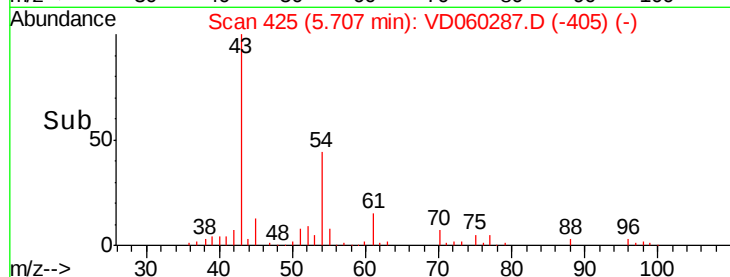
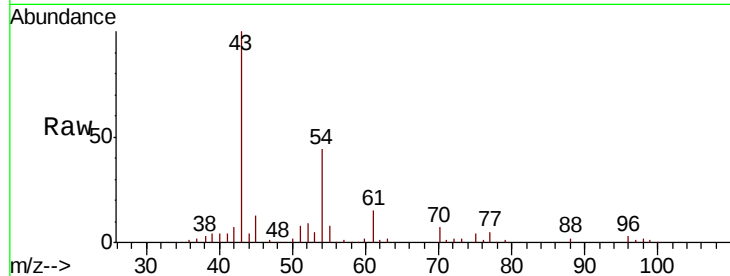




#37
Ethyl Acetate
Concen: 55.293 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

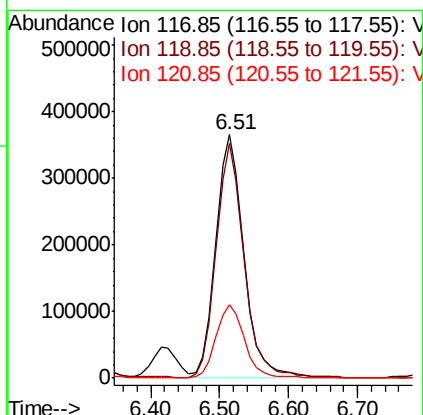
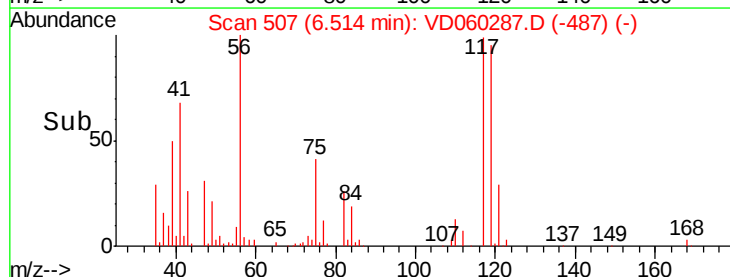
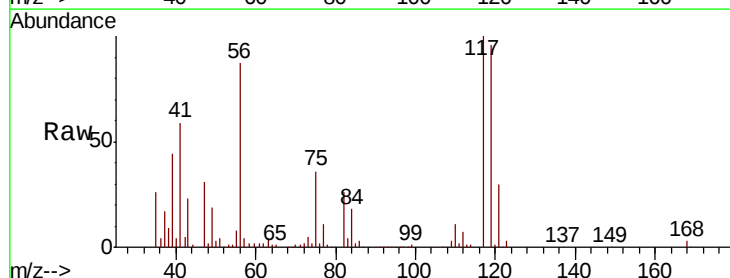
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

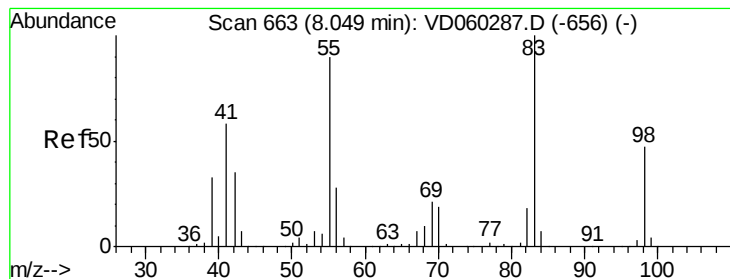
Tot Ion: 43 Resp: 523959
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 7.2 6.2 9.4



#38
Carbon Tetrachloride
Concen: 52.682 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 117 Resp: 1019378
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 30.2 24.3 36.5





#39

Methvlcvclohexane

Concen: 53.130 ug/l

RT: 8.05 min Scan# 663

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

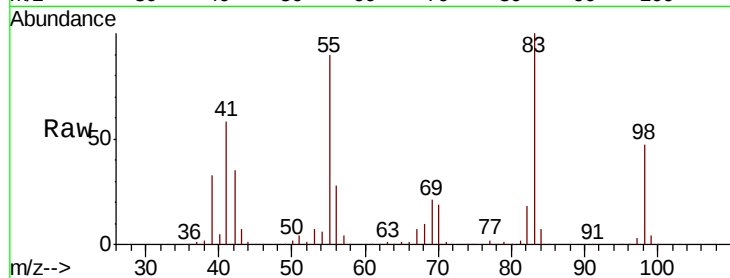
Tot Ion: 83 Resp: 1268391

Ion Ratio Lower Upper

83 100

55 90.1 71.2 106.8

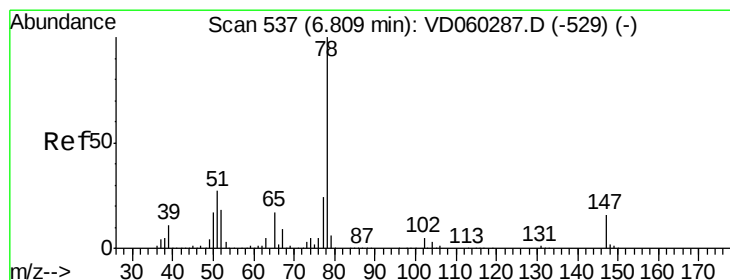
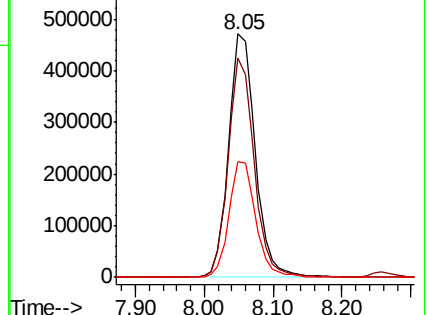
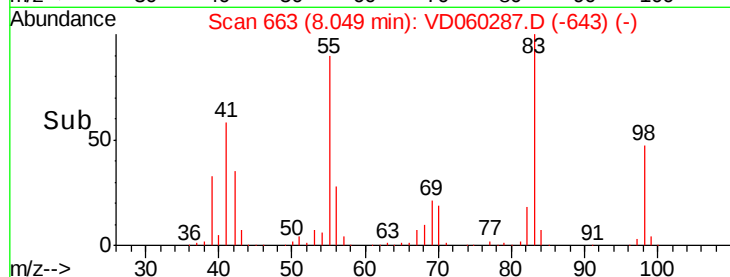
98 47.5 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.272 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD060287.D

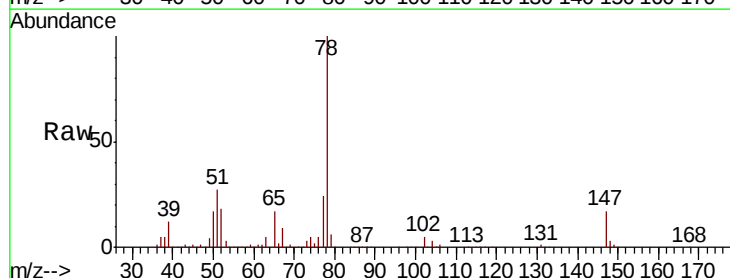
Acq: 6 Nov 2018 12:31

Tgt Ion: 78 Resp: 2863703

Ion Ratio Lower Upper

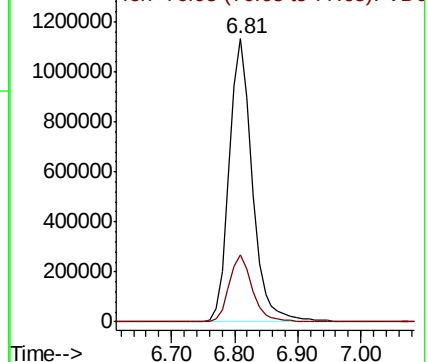
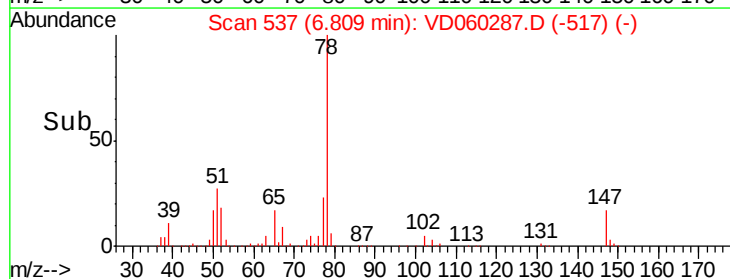
78 100

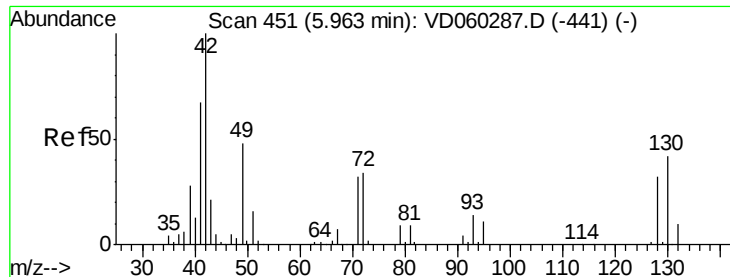
77 23.6 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

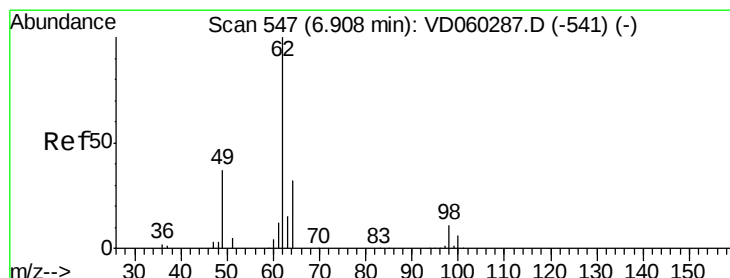
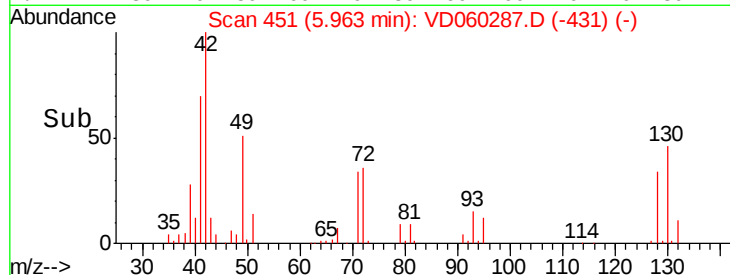
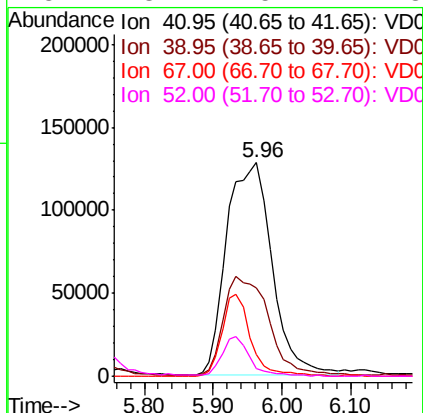
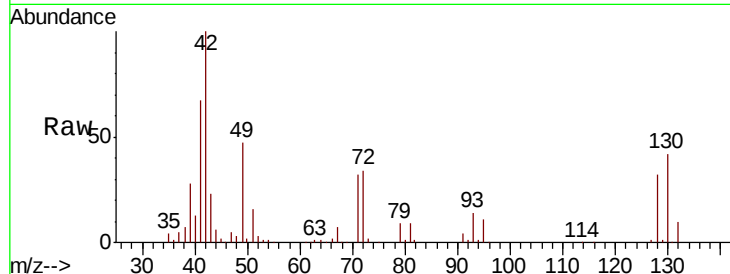




#41
Methacrylonitrile
Concen: 93.877 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

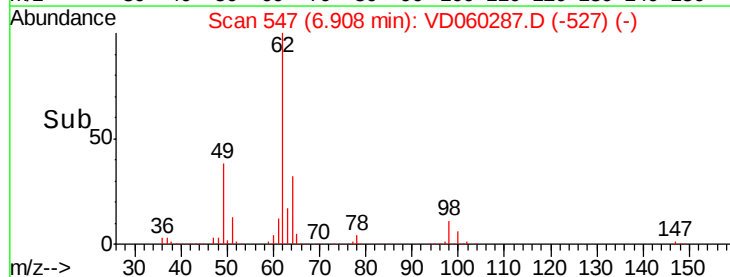
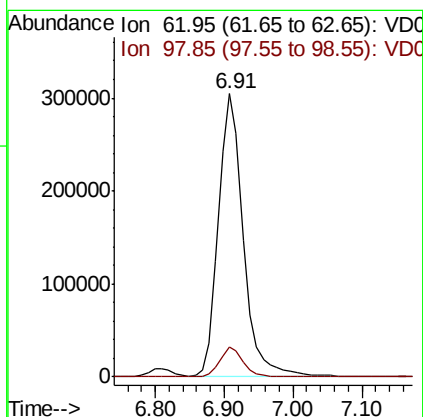
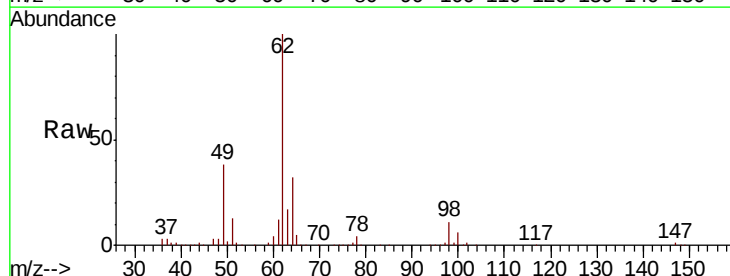
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

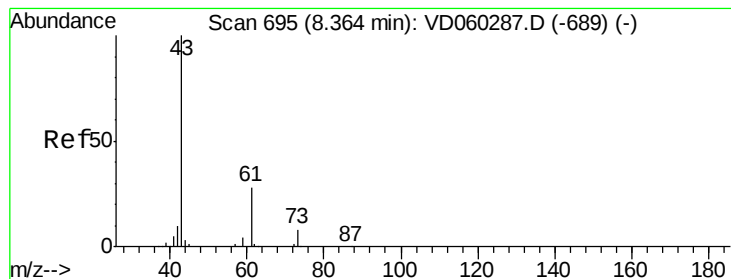
Tot Ion: 41 Resp: 587731
Ion Ratio Lower Upper
41 100
39 41.1 36.2 54.2
67 10.1 11.9 17.9#
52 3.7 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 53.308 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 62 Resp: 757029
Ion Ratio Lower Upper
62 100
98 10.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 54.457 ug/l

RT: 8.36 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

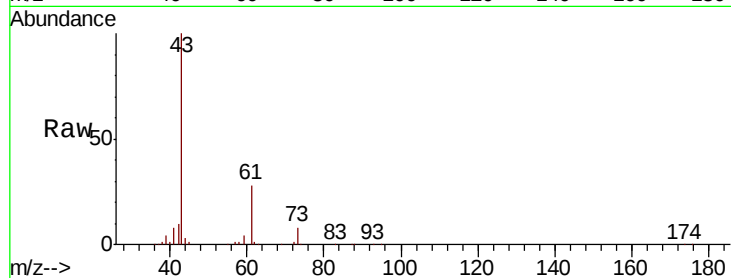
Tot Ion: 43 Resp: 666091

Ion Ratio Lower Upper

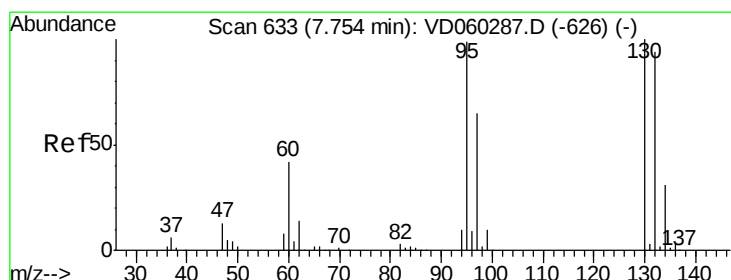
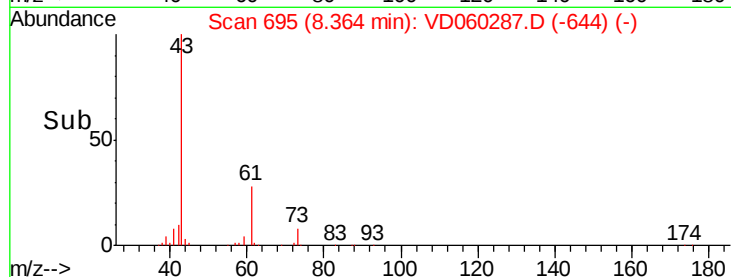
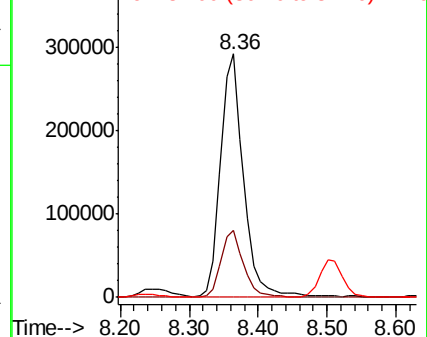
43 100

61 27.6 22.3 33.5

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.368 ug/l

RT: 7.75 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060287.D

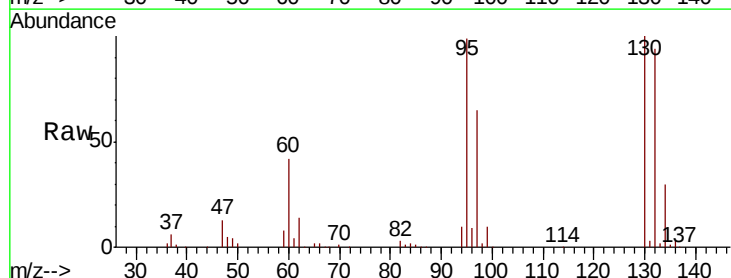
Acq: 6 Nov 2018 12:31

Tgt Ion:130 Resp: 876800

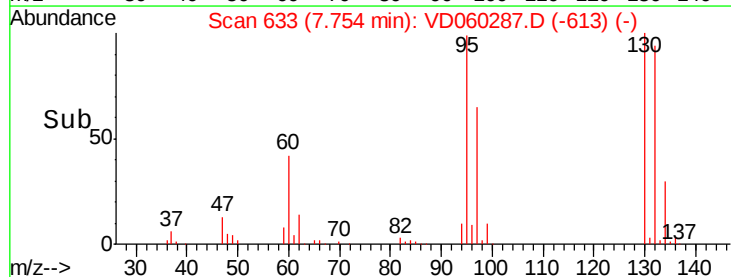
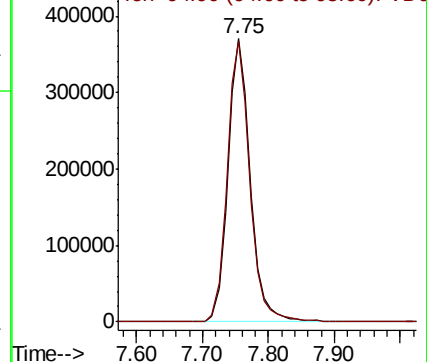
Ion Ratio Lower Upper

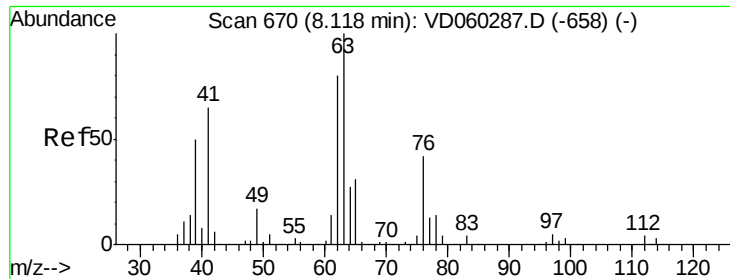
130 100

95 99.0 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.563 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

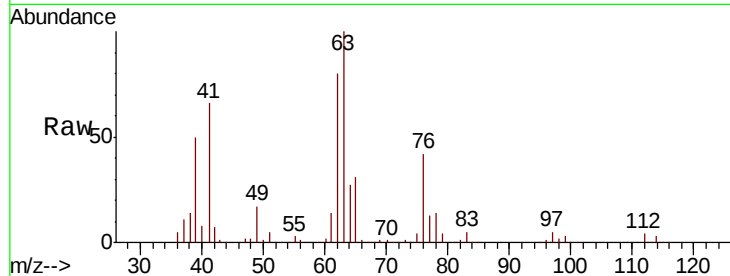
VSTDICCC050

Tot Ion: 63 Resp: 731932

Ion Ratio Lower Upper

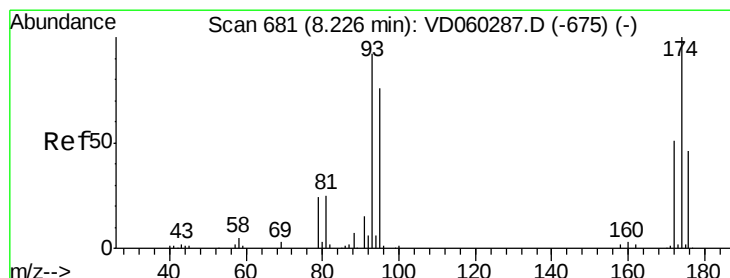
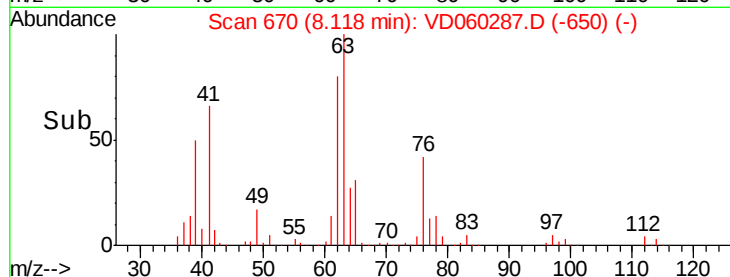
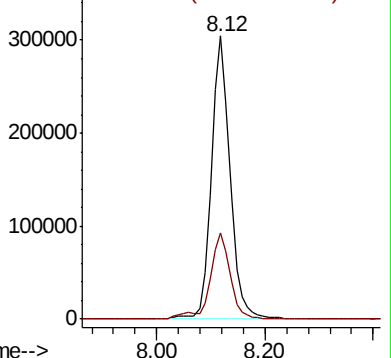
63 100

65 30.7 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.687 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

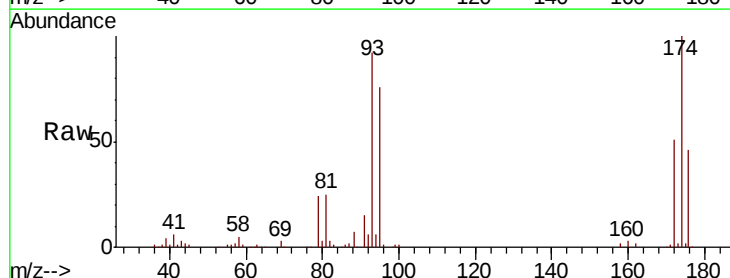
Tgt Ion: 93 Resp: 428499

Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

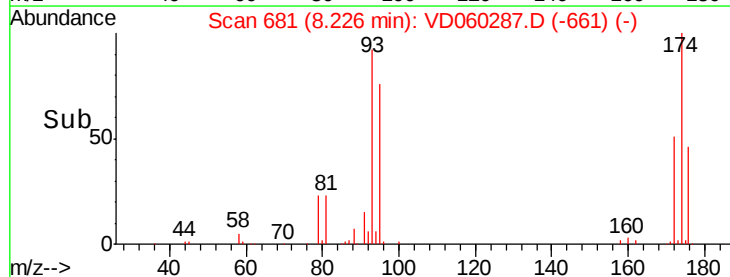
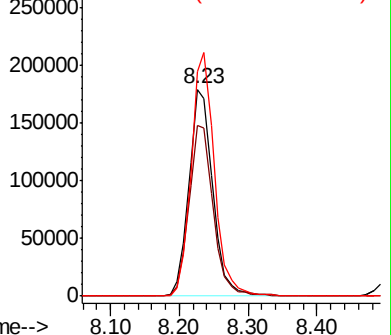
174 108.4 87.8 131.8

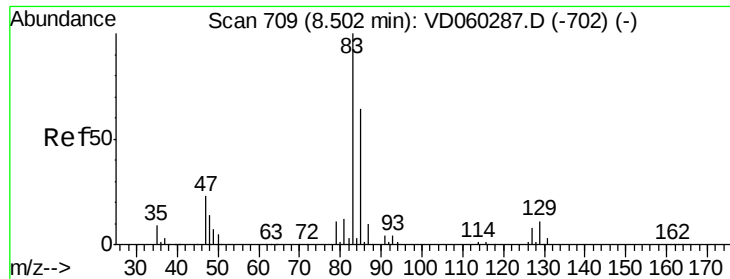


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.557 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

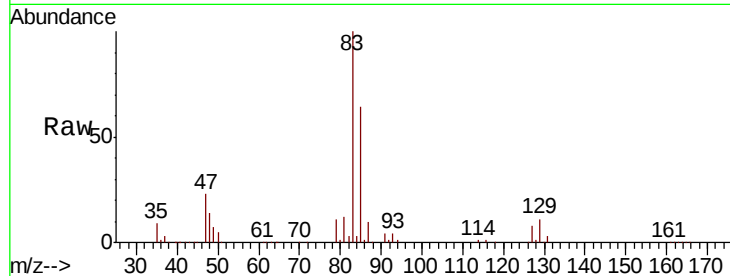
Tot Ion: 83 Resp: 1028928

Ion Ratio Lower Upper

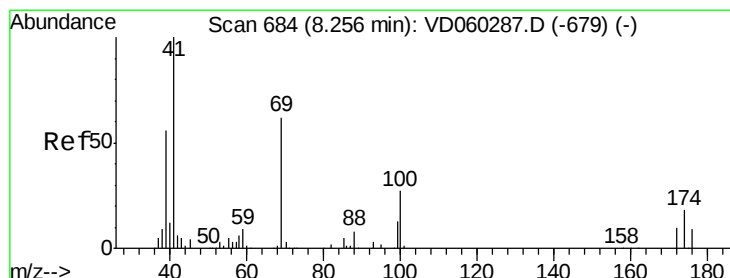
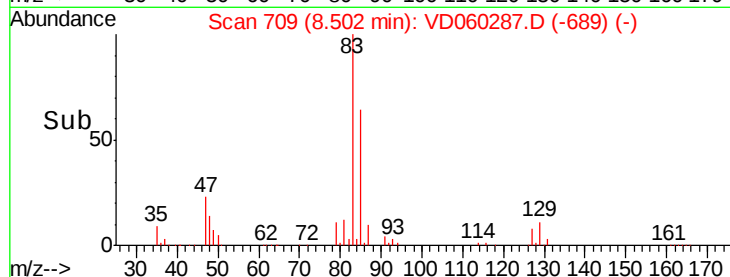
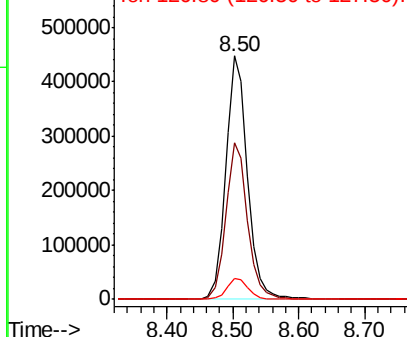
83 100

85 64.1 51.0 76.6

127 8.4 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 54.370 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

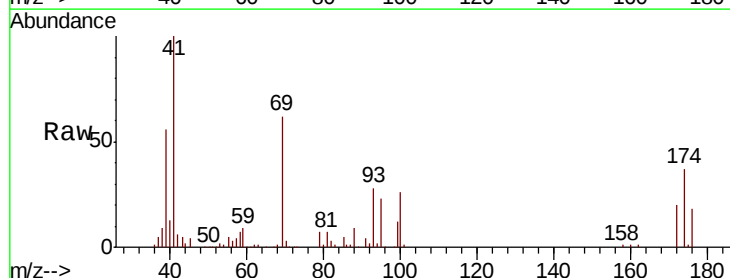
Tgt Ion: 41 Resp: 398456

Ion Ratio Lower Upper

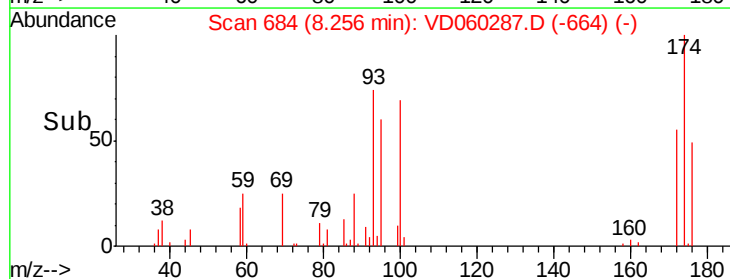
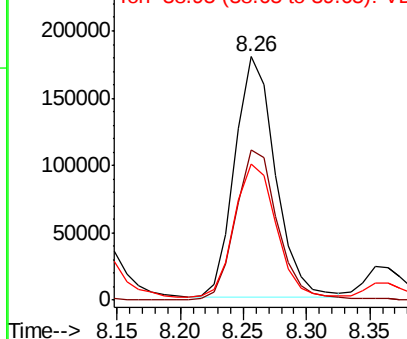
41 100

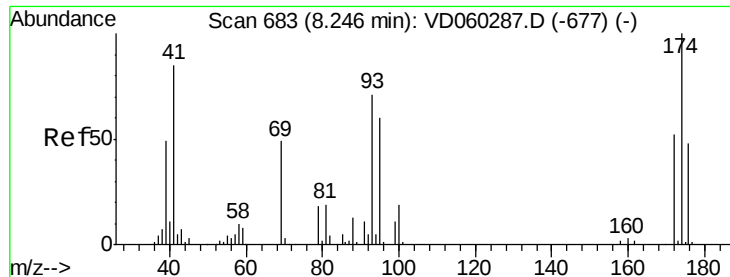
69 61.5 47.0 70.4

39 55.8 46.2 69.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

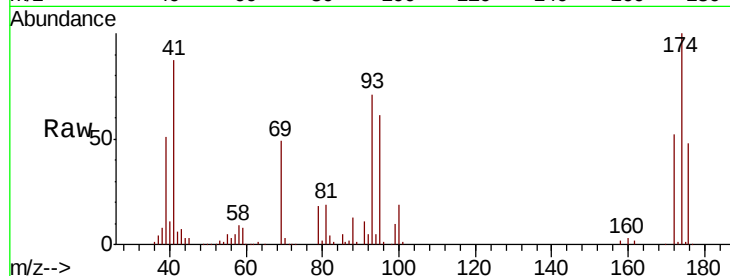




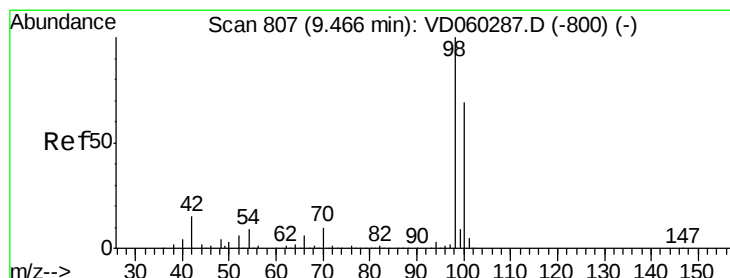
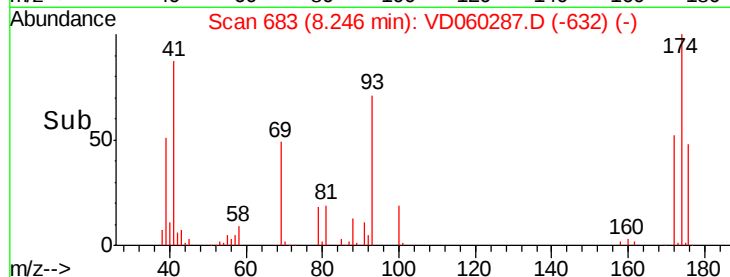
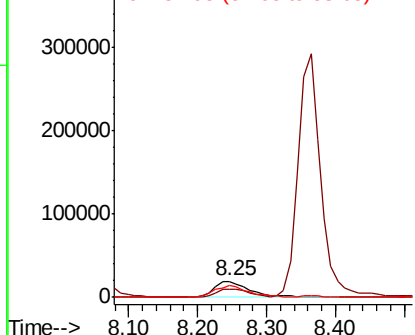
#49
1,4-Dioxane
Concen: 1066.712 ug/l
RT: 8.25 min Scan# 683
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 69988
Ion Ratio Lower Upper
88 100
43 52.1 39.7 59.5
58 71.2 60.2 90.2

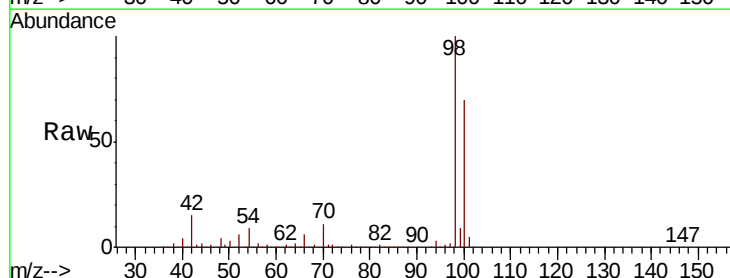


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

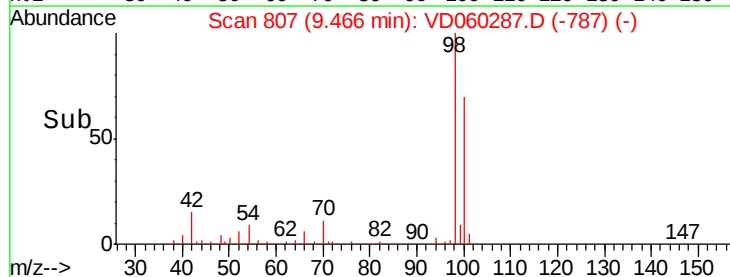
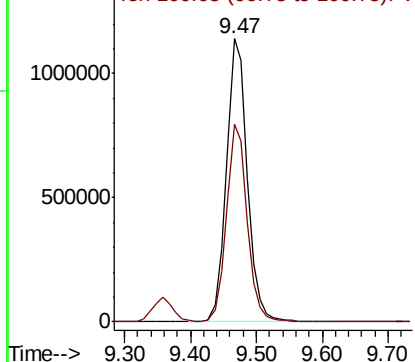


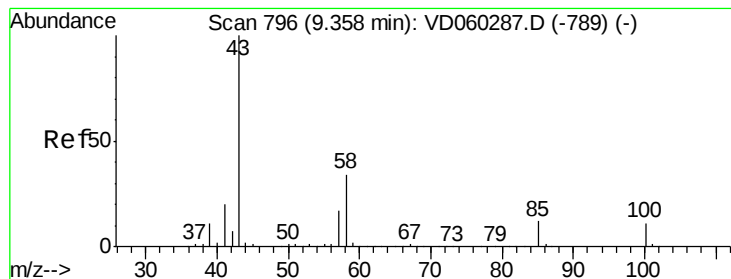
#50
Toluene-d8
Concen: 1066.712 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 98 Resp: 2542972
Ion Ratio Lower Upper
98 100
100 69.7 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 270.374 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

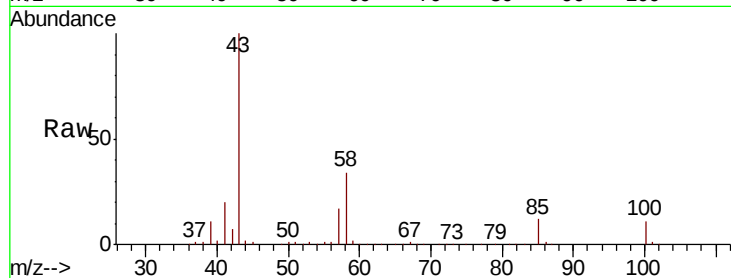
VSTDICCC050

Tot Ion: 43 Resp: 2087281

Ion Ratio Lower Upper

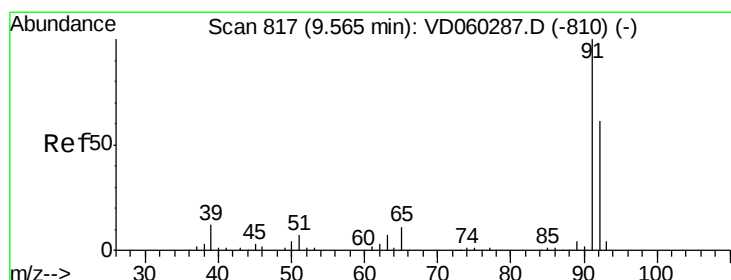
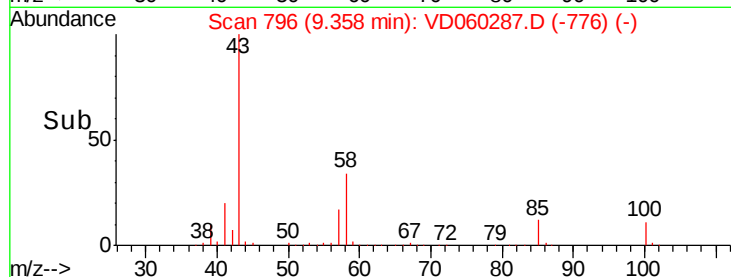
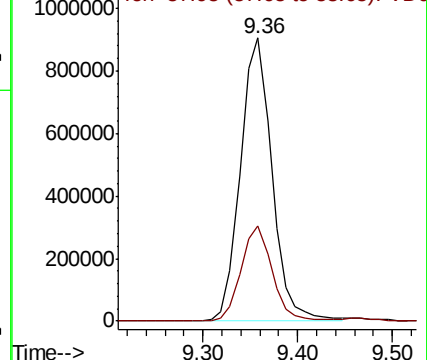
43 100

58 33.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.422 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060287.D

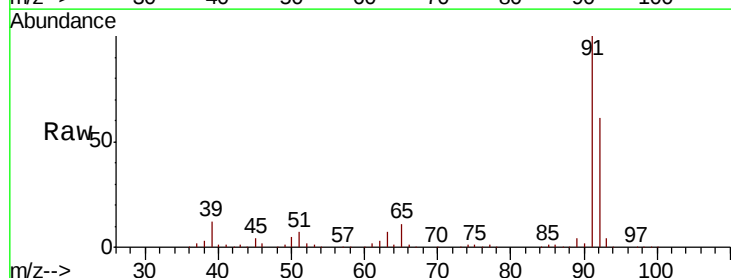
Acq: 6 Nov 2018 12:31

Tgt Ion: 92 Resp: 1817297

Ion Ratio Lower Upper

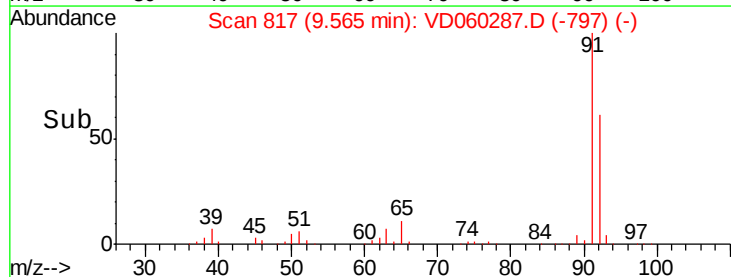
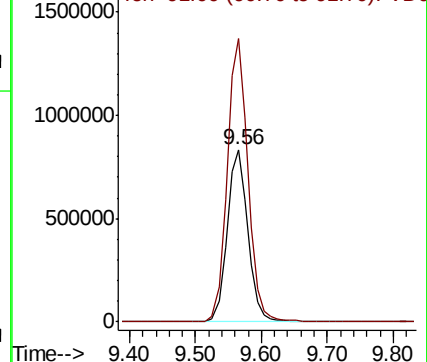
92 100

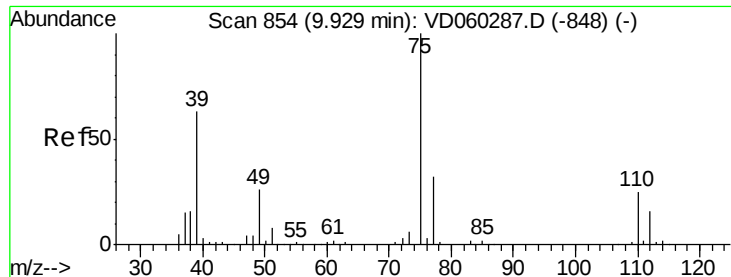
91 164.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

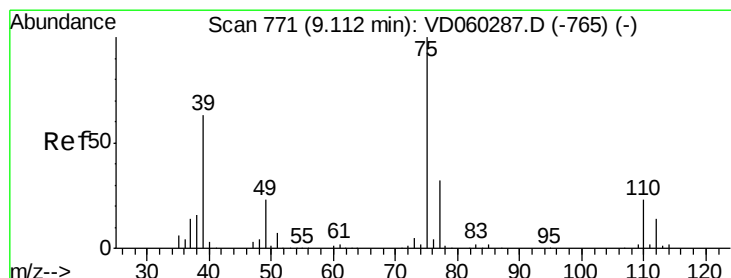
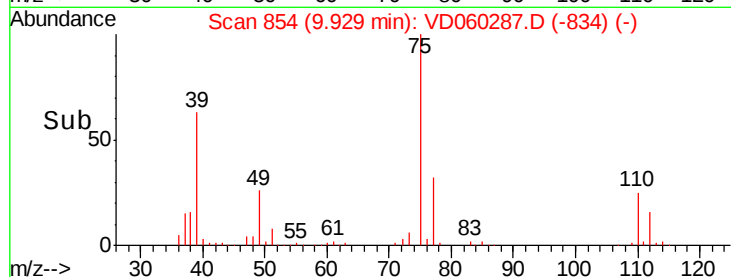
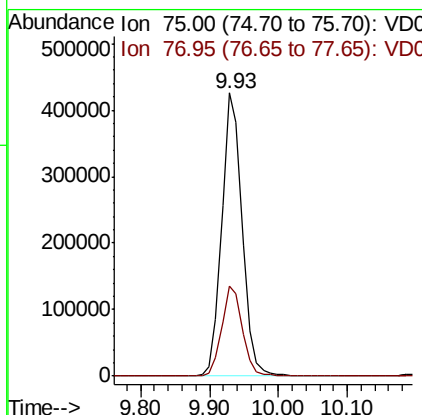
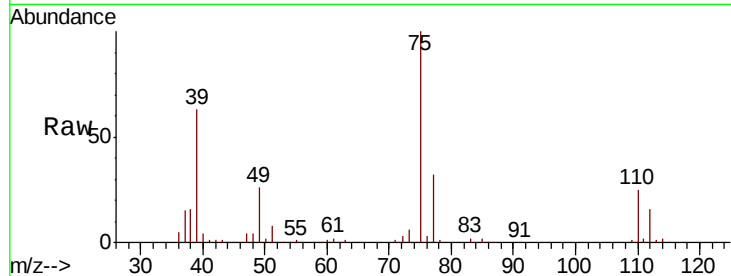




#53
 t-1,3-Dichloropropene
 Concen: 55.782 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

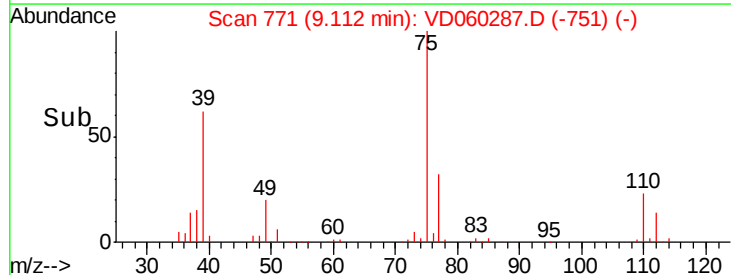
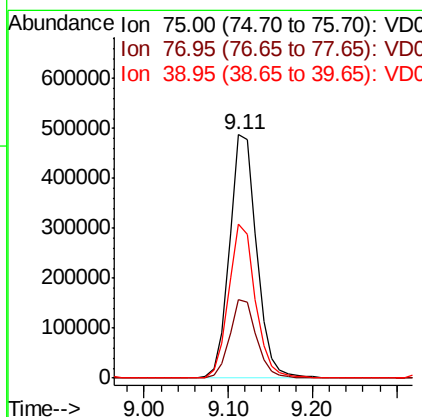
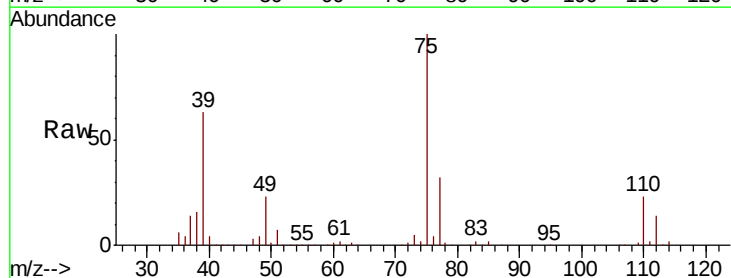
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

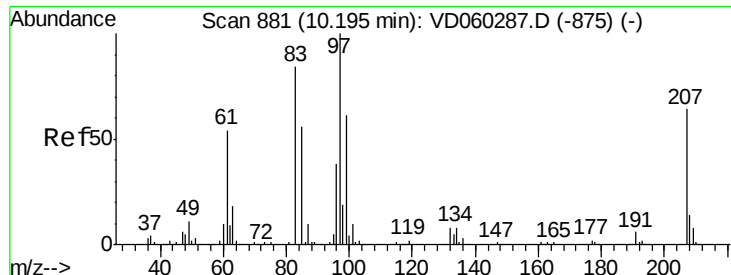
Tot Ion: 75 Resp: 872766
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.680 ug/l
 RT: 9.11 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 75 Resp: 1095889
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.3 39.5
 39 63.4 50.8 76.2

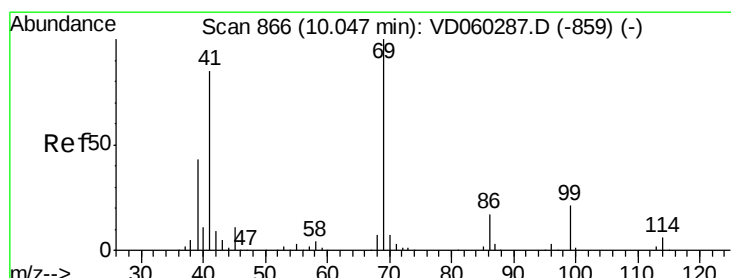
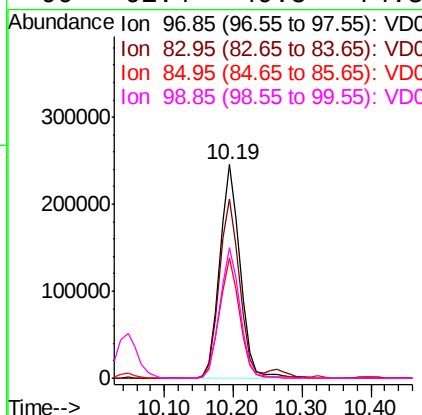
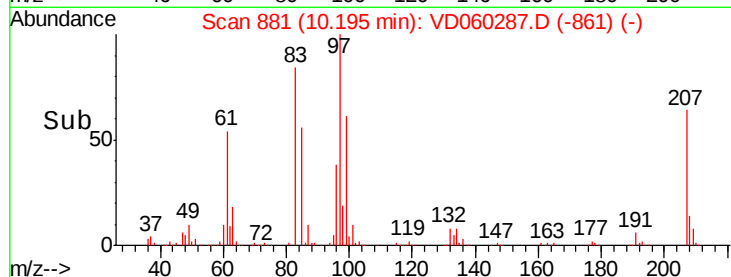
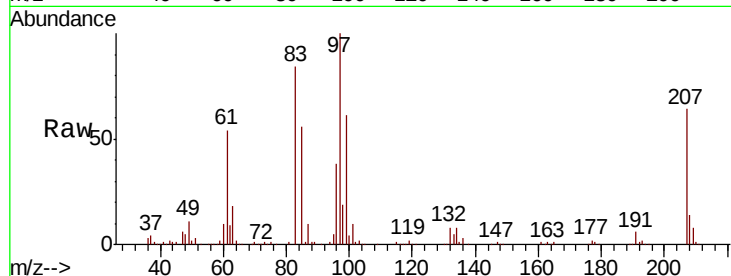




#55
 1,1,2-Trichloroethane
 Concen: 51.922 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

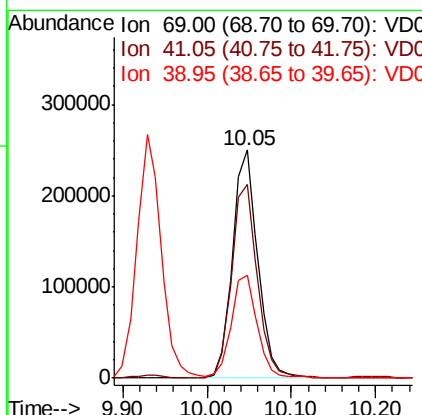
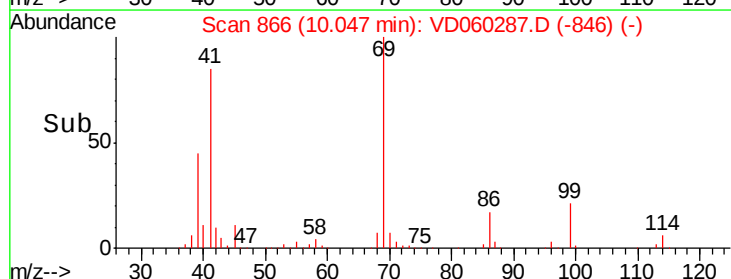
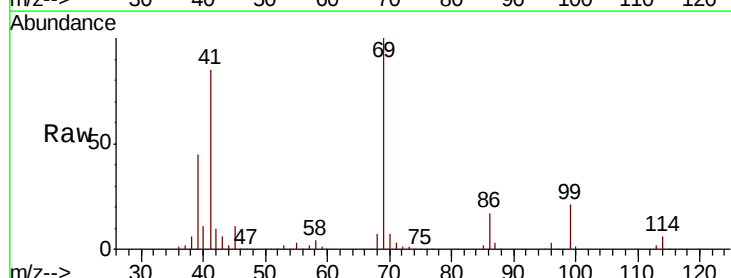
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

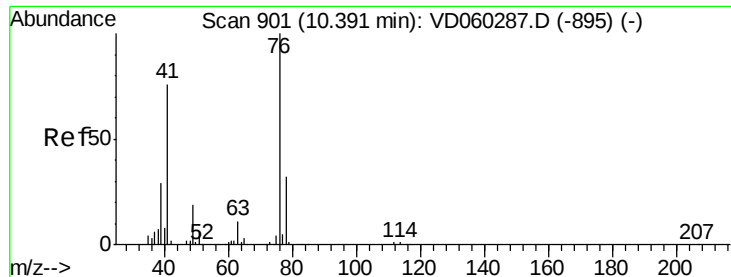
Tot Ion:	97	Resp:	503557
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.4	102.6
85	56.2	46.8	70.2
99	61.4	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 56.312 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion:	69	Resp:	519142
Ion	Ratio	Lower	Upper
69	100		
41	85.0	69.0	103.4
39	45.4	36.6	54.8





#57

1,3-Dichloropropane

Concen: 54.764 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

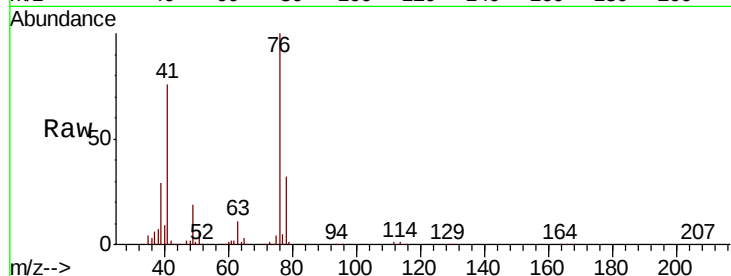
VSTDICCC050

Tot Ion: 76 Resp: 811571

Ion Ratio Lower Upper

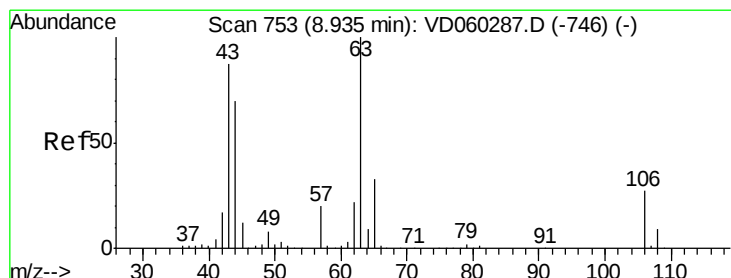
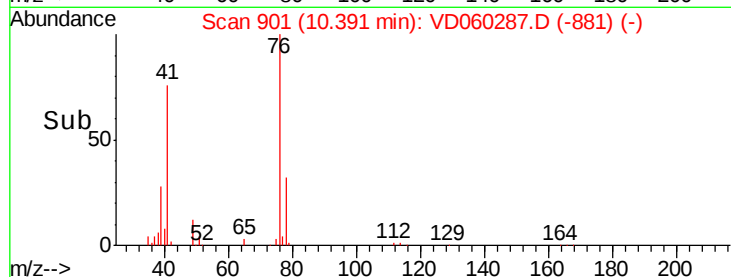
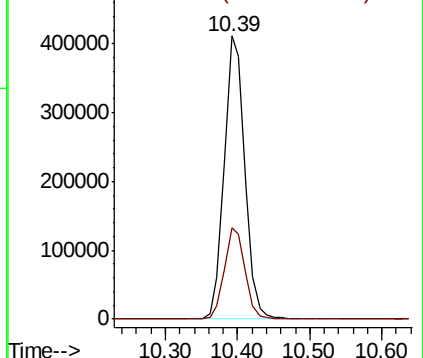
76 100

78 32.2 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 271.472 ug/l

RT: 8.93 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060287.D

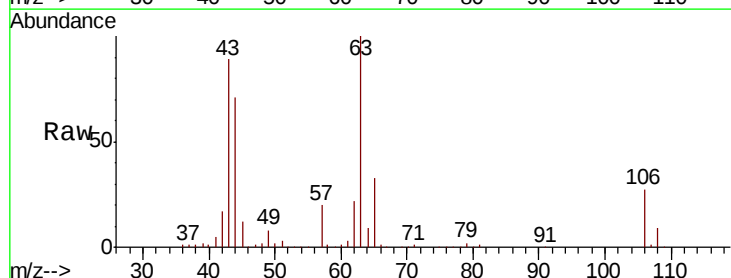
Acq: 6 Nov 2018 12:31

Tgt Ion: 63 Resp: 1479674

Ion Ratio Lower Upper

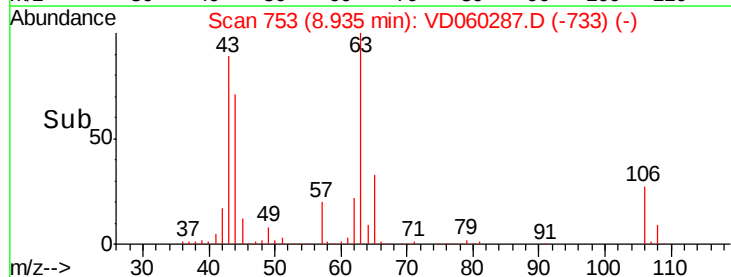
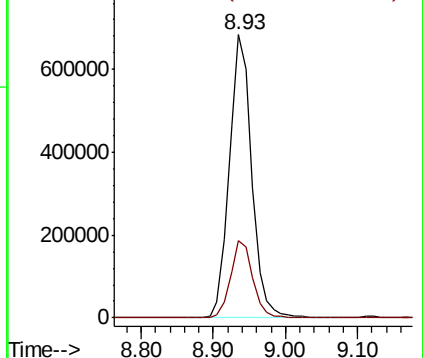
63 100

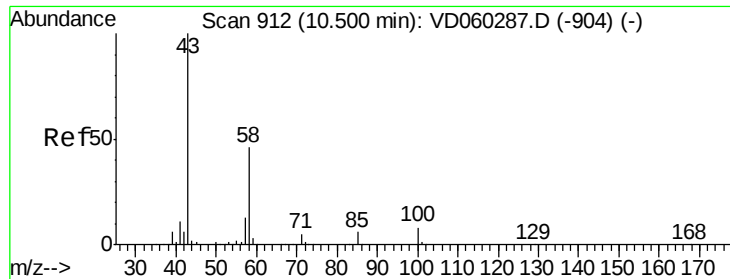
106 27.2 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

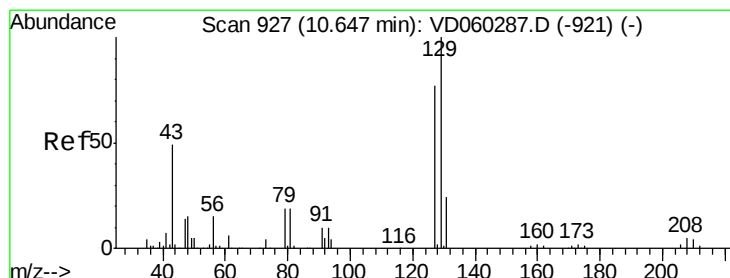
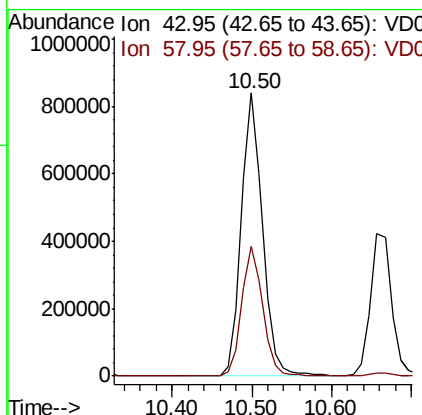
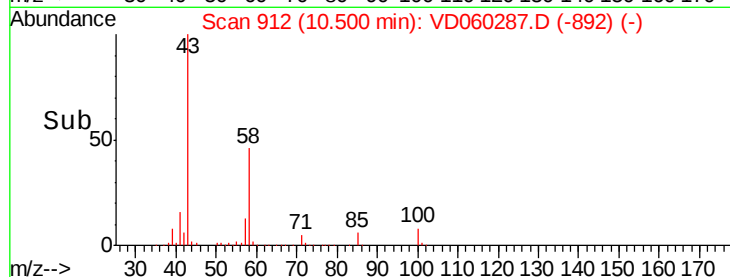
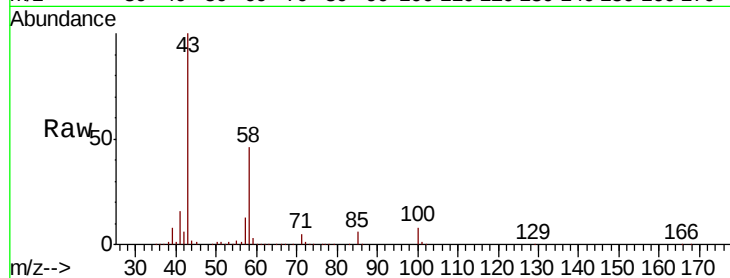




#59
2-Hexanone
Concen: 272.829 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

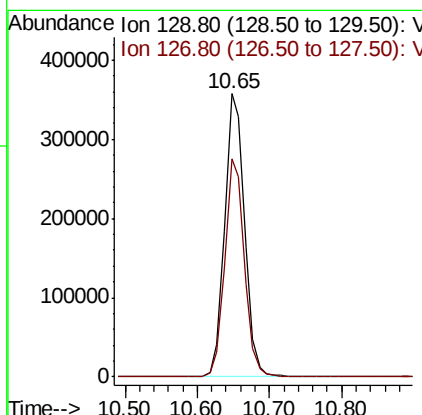
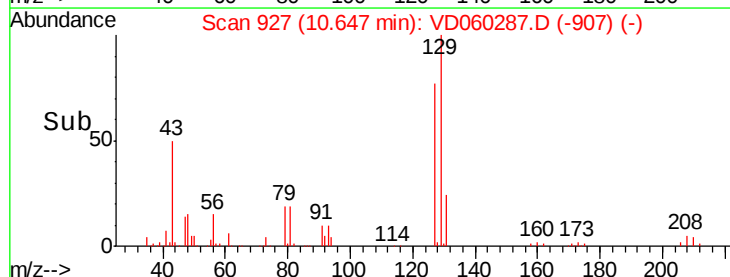
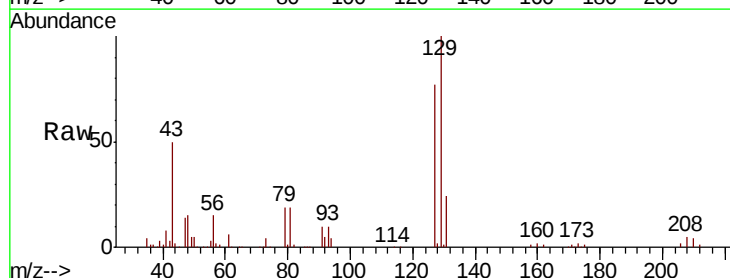
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

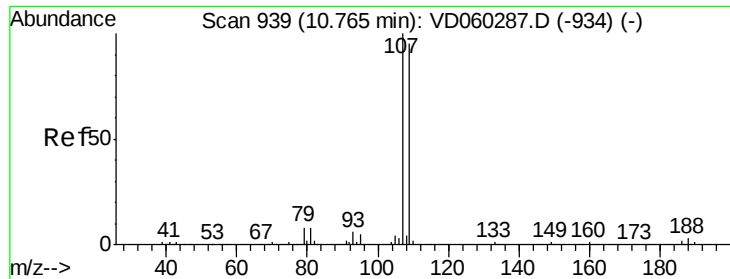
Tot Ion: 43 Resp: 1551244
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 55.326 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:129 Resp: 680163
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6

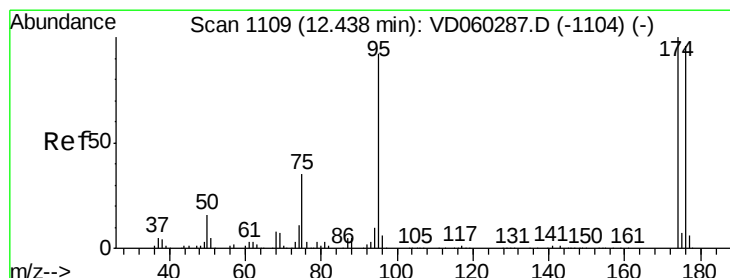
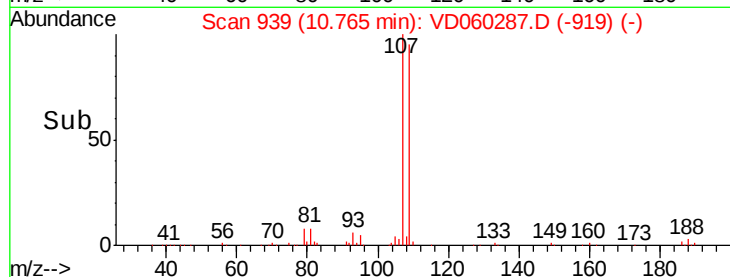
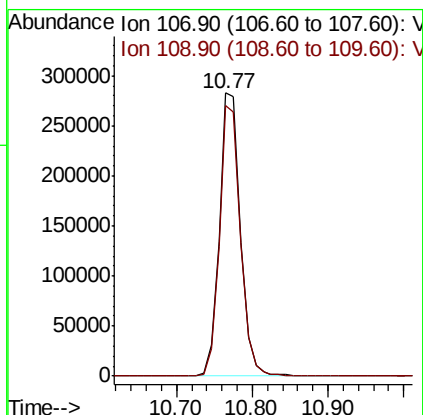
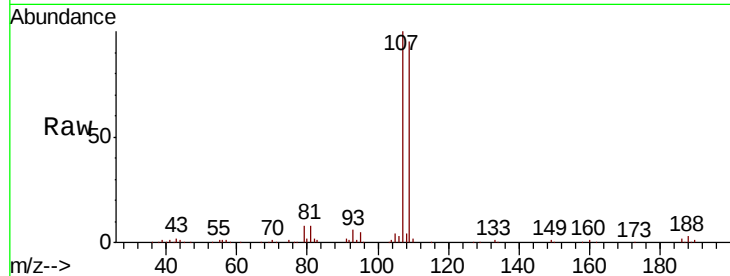




#61
 1,2-Dibromoethane
 Concen: 55.656 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

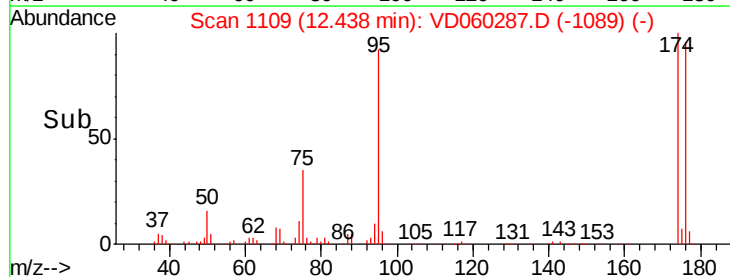
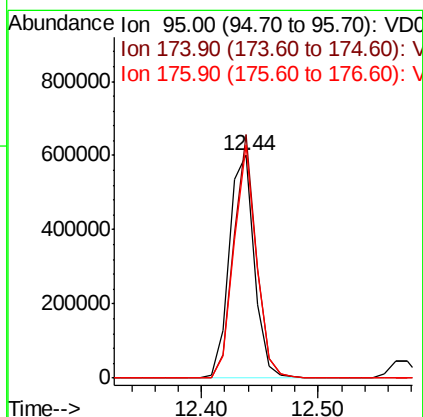
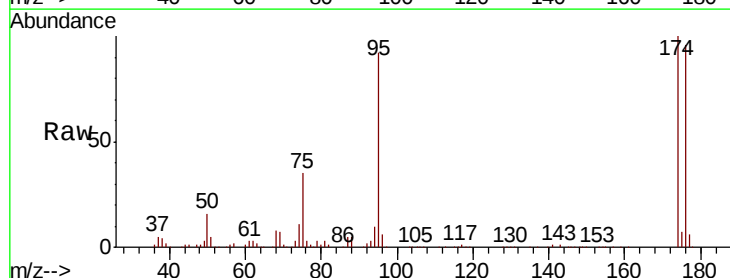
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

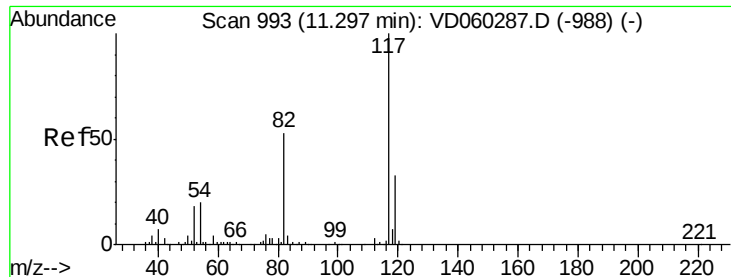
Tot Ion:107 Resp: 547637
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 55.656 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 95 Resp: 898540
 Ion Ratio Lower Upper
 95 100
 174 109.1 0.0 160.8
 176 104.4 0.0 154.6

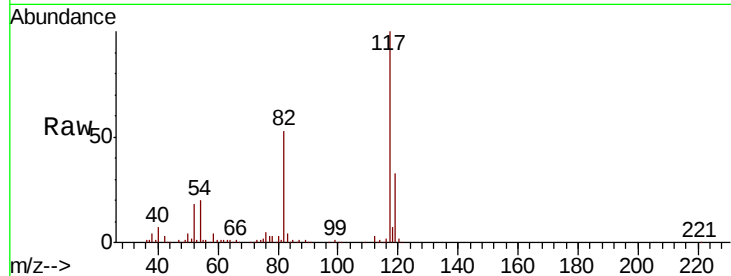




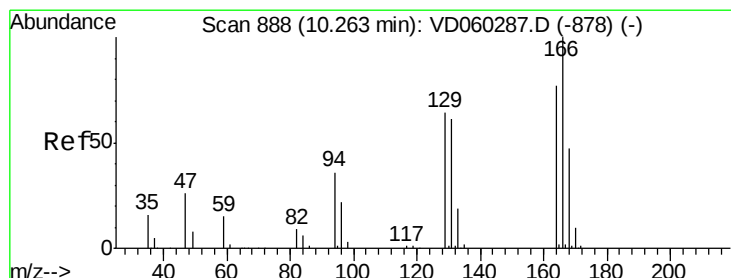
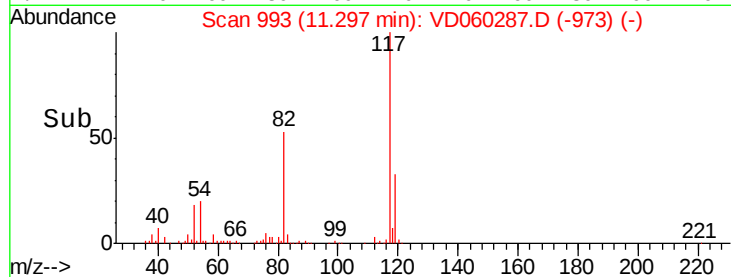
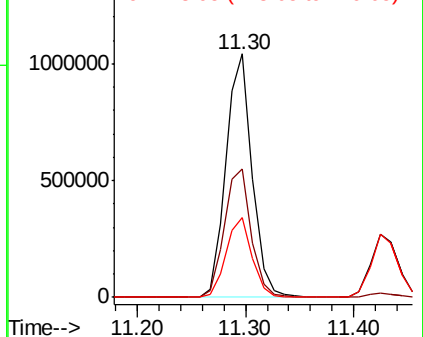
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1746606
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.7 26.1 39.1

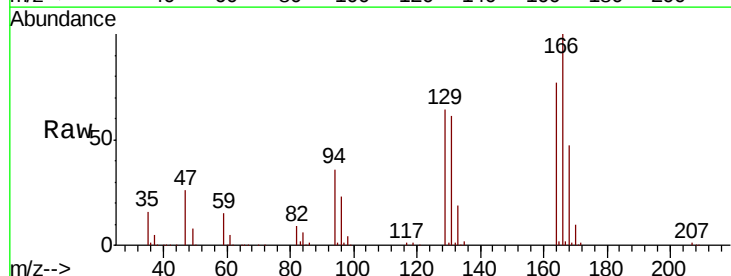


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

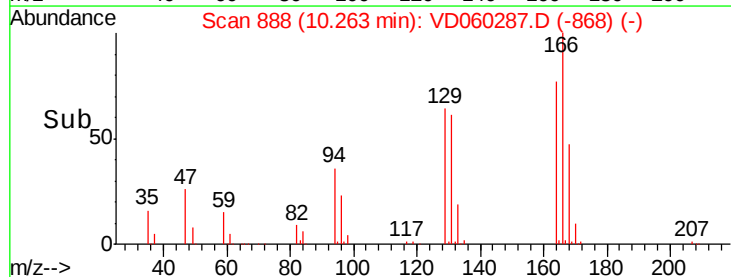
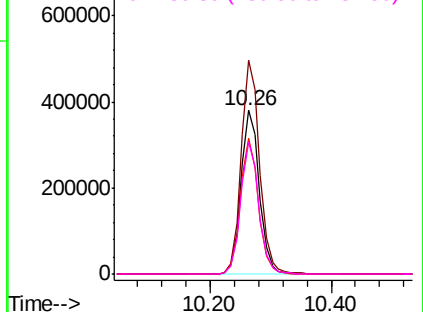


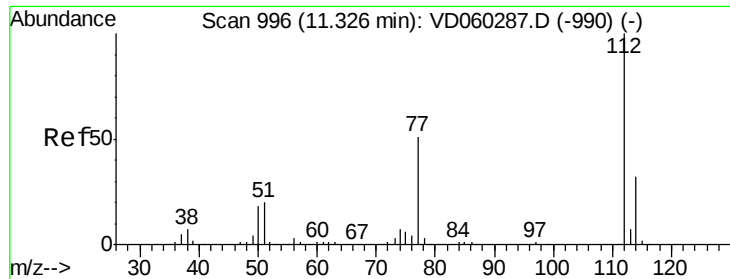
#64
Tetrachloroethene
Concen: 52.193 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:164 Resp: 798796
Ion Ratio Lower Upper
164 100
166 130.5 103.7 155.5
129 83.1 65.6 98.4
131 80.2 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

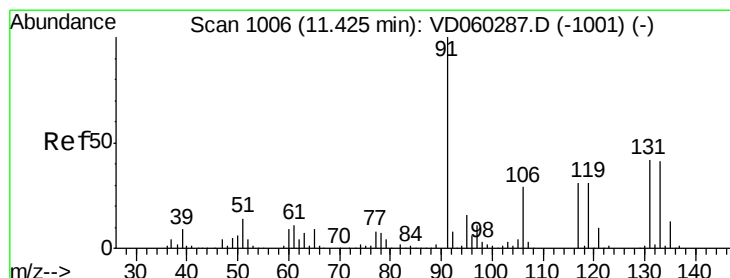
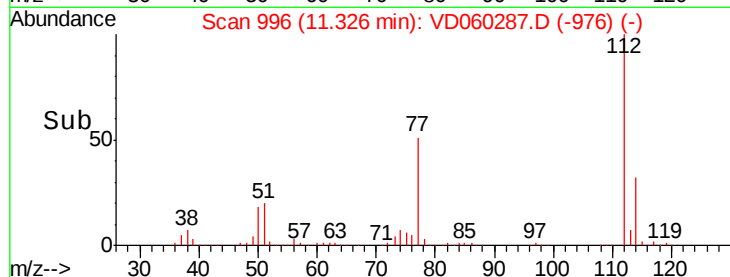
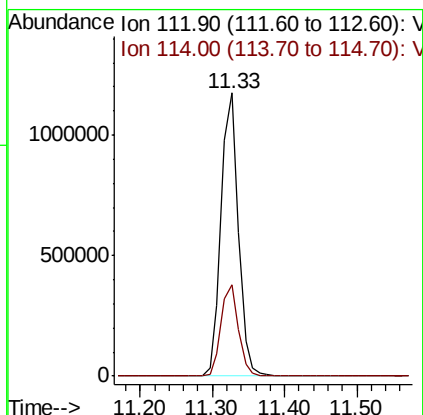
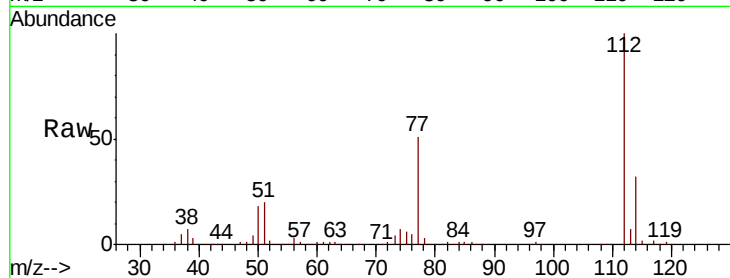




#65
Chlorobenzene
Concen: 51.869 ug/l
RT: 11.33 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

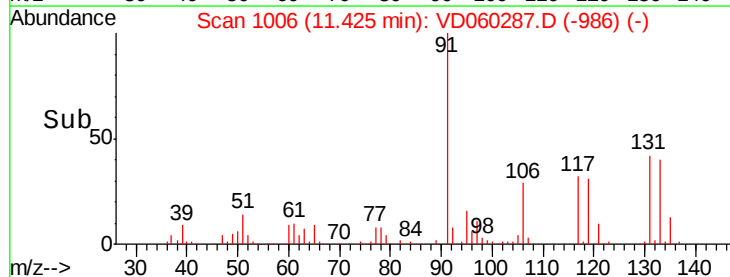
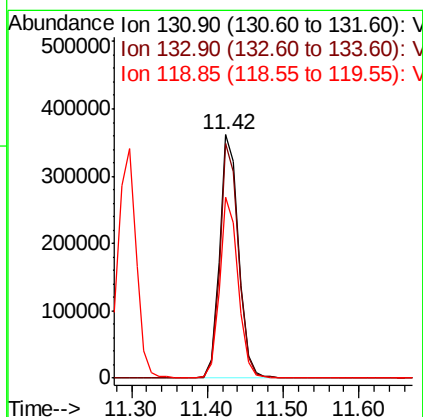
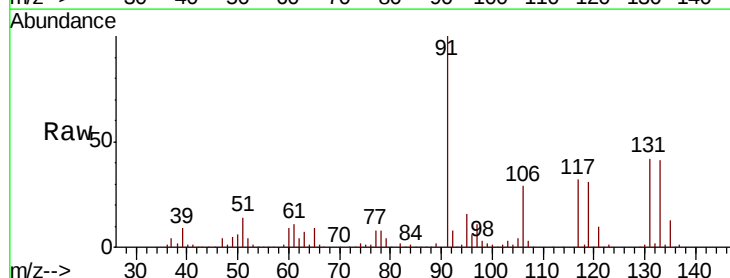
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

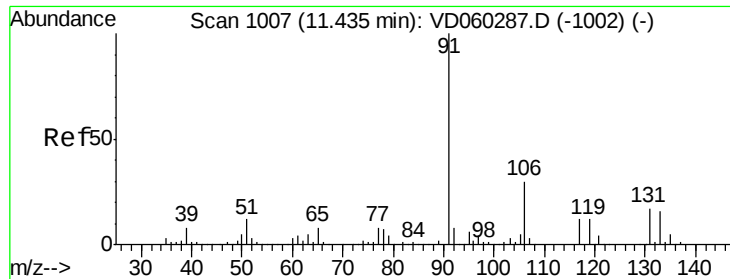
Tot Ion:112 Resp: 1941298
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.268 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:131 Resp: 633106
Ion Ratio Lower Upper
131 100
133 96.6 50.0 150.0
119 74.3 37.0 111.1

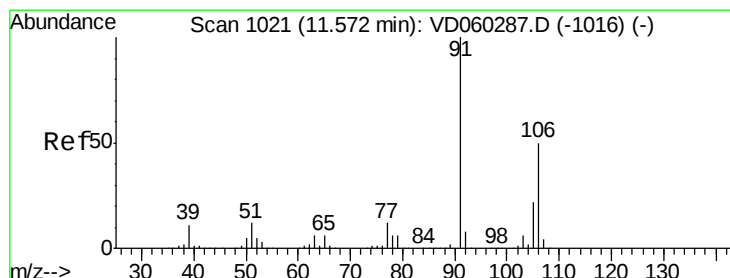
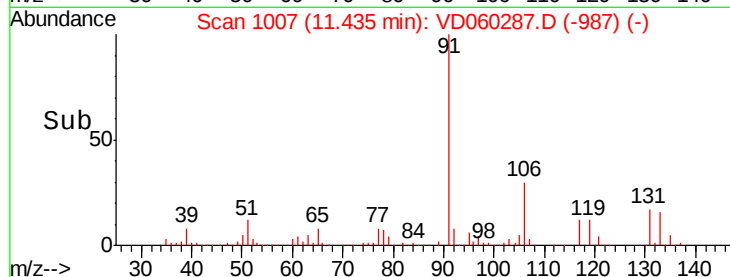
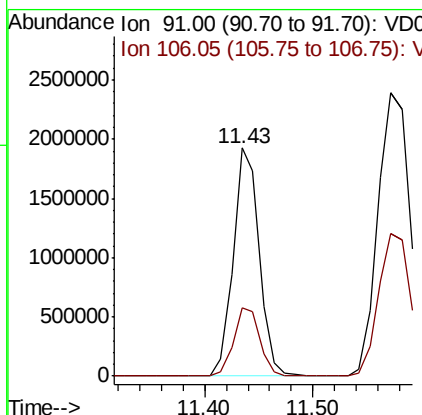
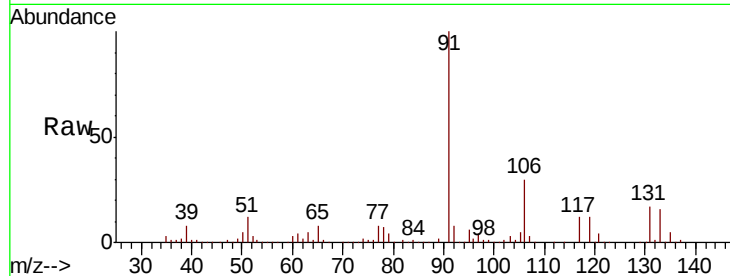




#67
Ethyl Benzene
Concen: 50.012 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

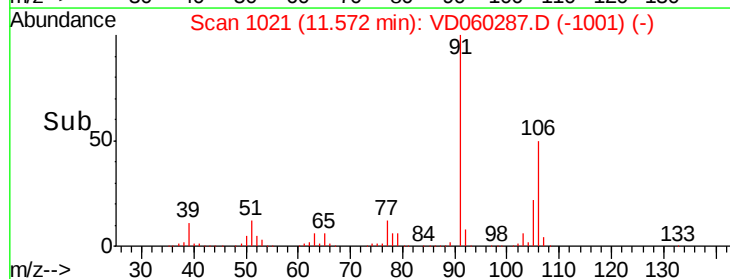
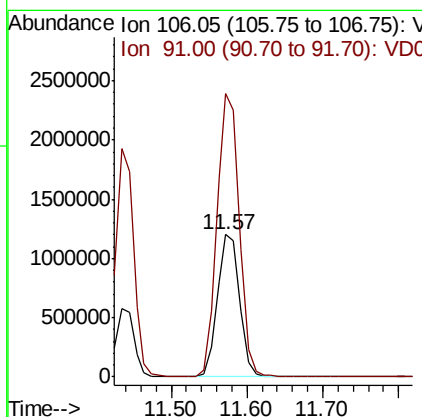
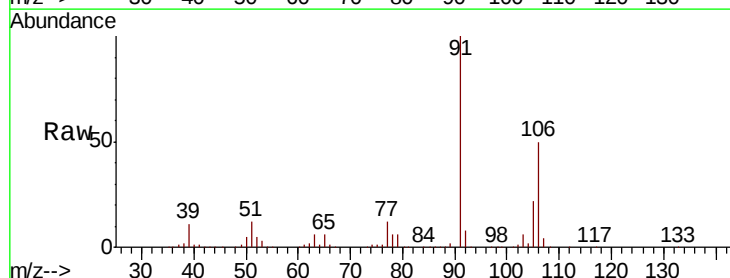
Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

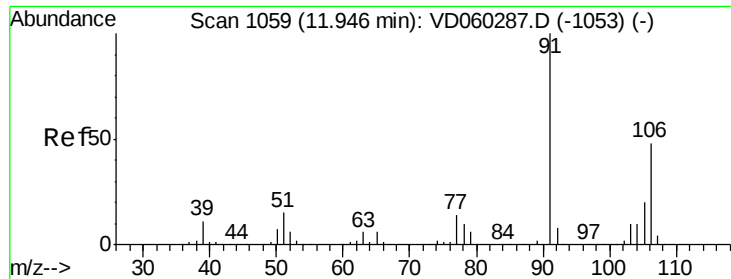
Tot Ion: 91 Resp: 3196122
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8



#68
m/p-Xylenes
Concen: 103.895 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 106 Resp: 2450784
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.2

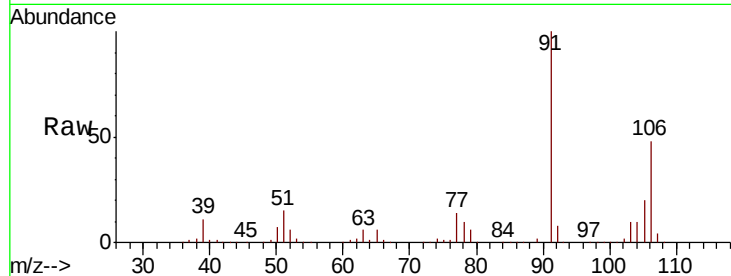




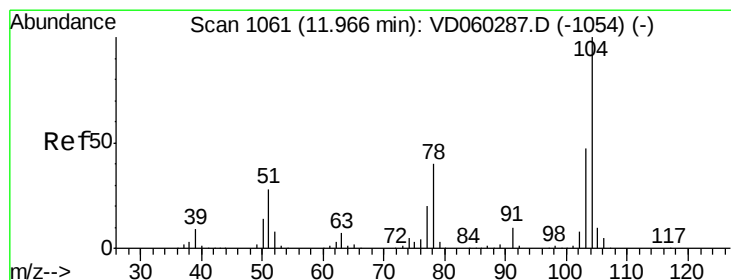
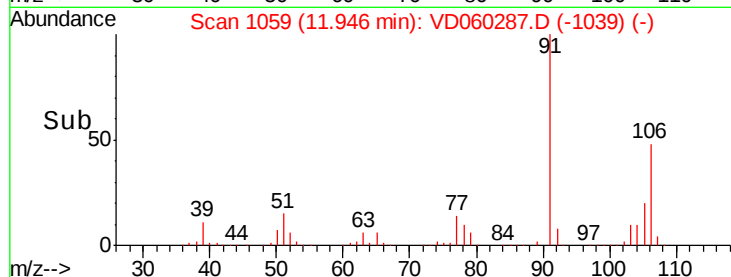
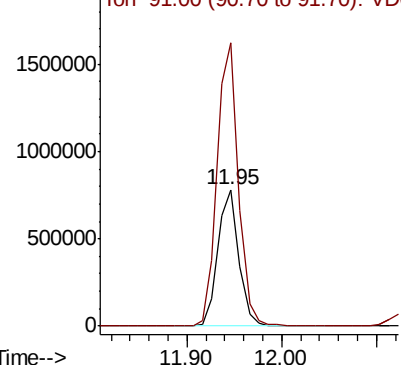
#69
o-Xylene
Concen: 52.087 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1193814
Ion Ratio Lower Upper
106 100
91 207.7 109.2 327.6

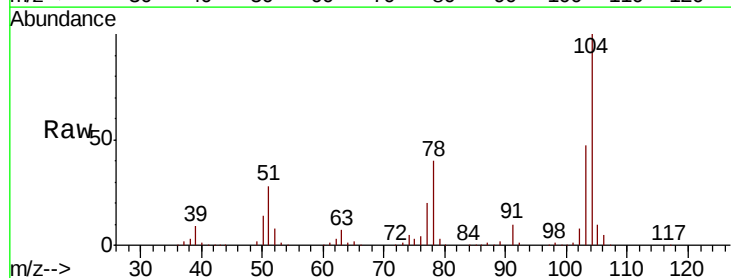


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

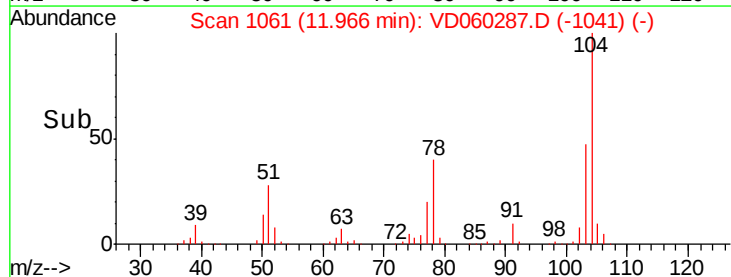
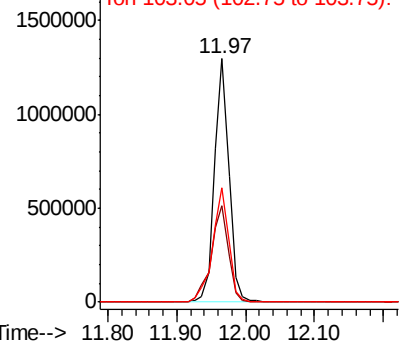


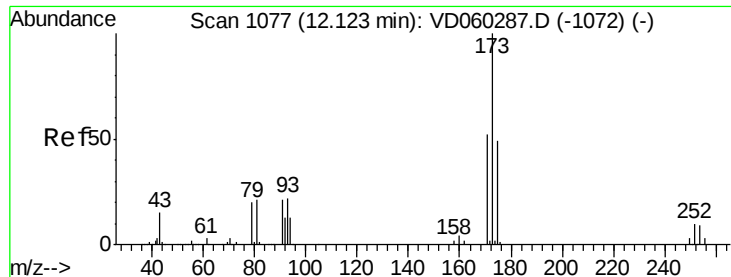
#70
Styrene
Concen: 50.883 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:104 Resp: 1878000
Ion Ratio Lower Upper
104 100
78 39.9 31.6 47.4
103 47.0 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

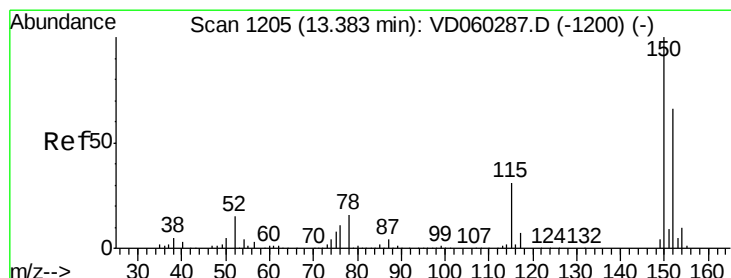
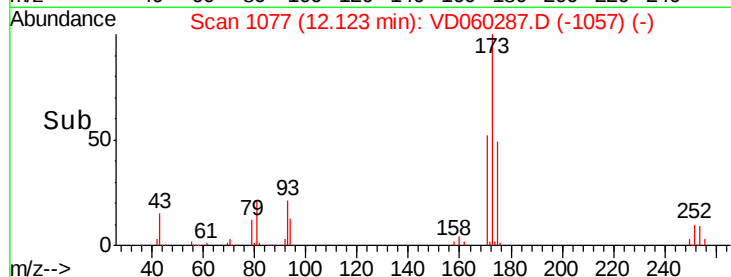
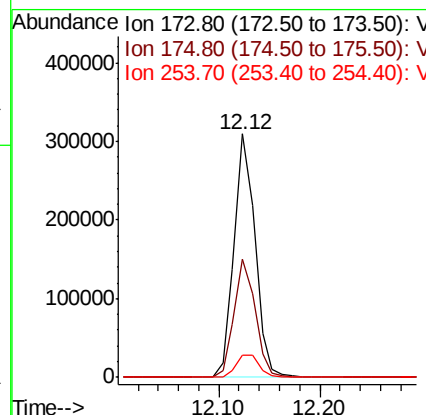
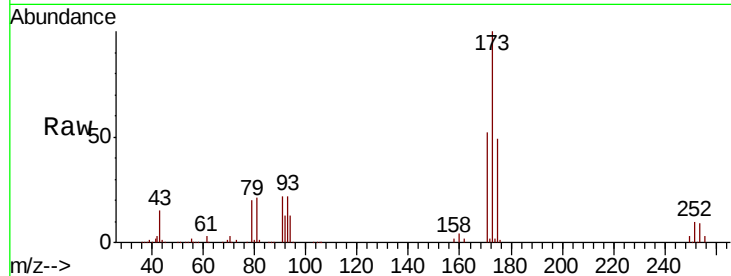




#71
Bromoform
Concen: 56.577 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

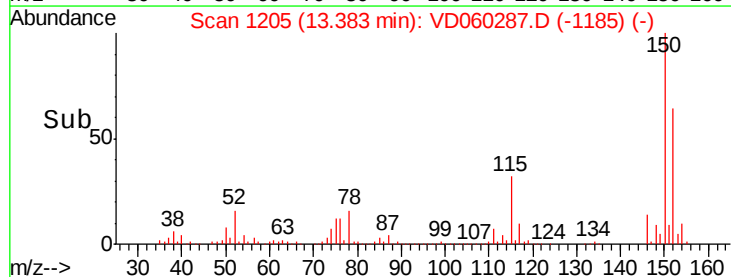
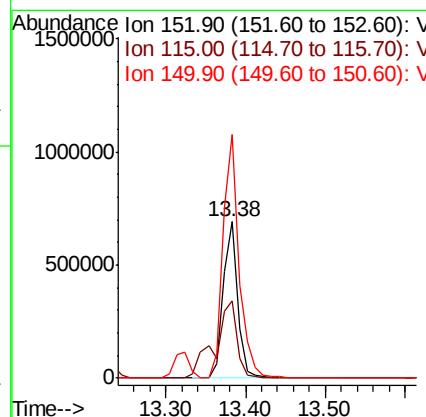
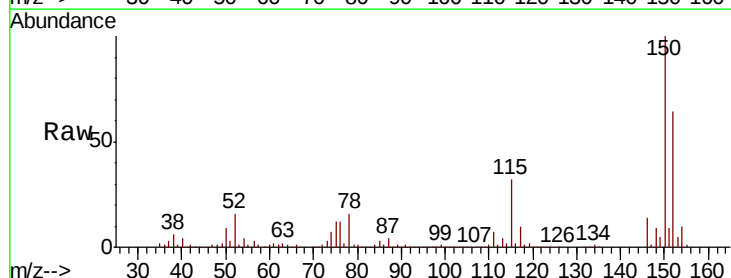
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

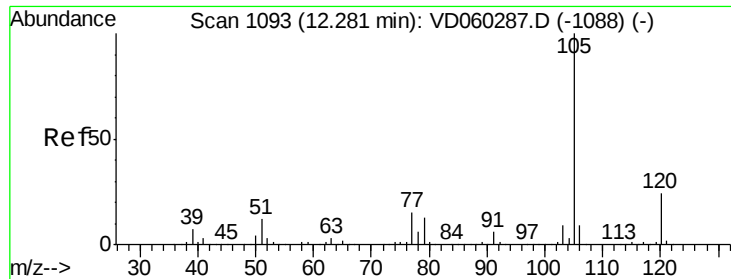
Tot Ion:173 Resp: 447810
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 9.0 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:152 Resp: 889536
Ion Ratio Lower Upper
152 100
115 49.6 24.1 72.3
150 156.0 0.0 310.6





#73

Isopropylbenzene

Concen: 49.860 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

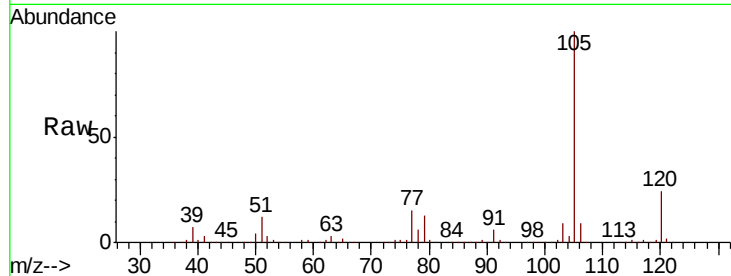
VSTDICCC050

Tot Ion:105 Resp: 3127841

Ion Ratio Lower Upper

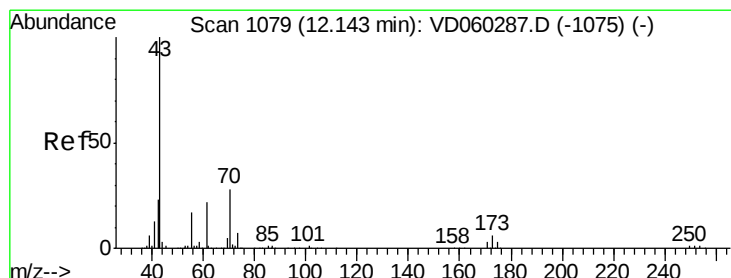
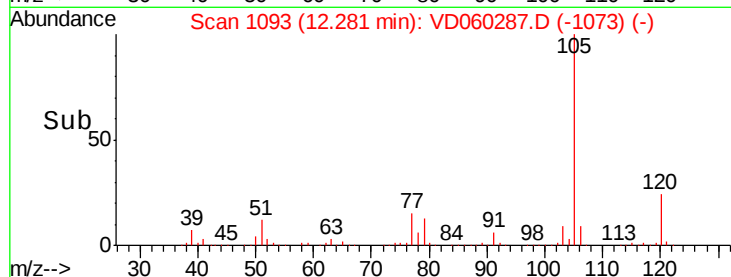
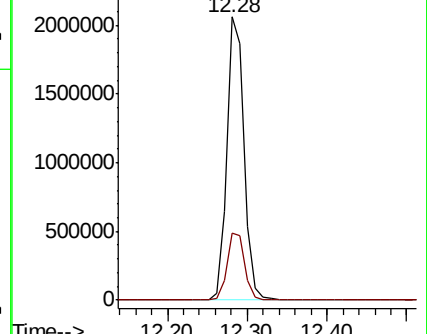
105 100

120 23.8 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.278 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Tgt Ion: 43 Resp: 864271

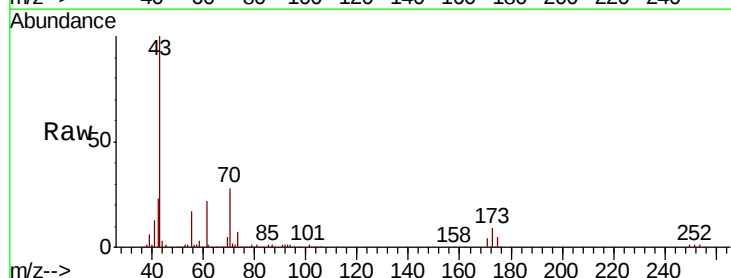
Ion Ratio Lower Upper

43 100

70 27.6 23.0 34.4

55 17.2 14.2 21.4

61 22.4 17.8 26.8

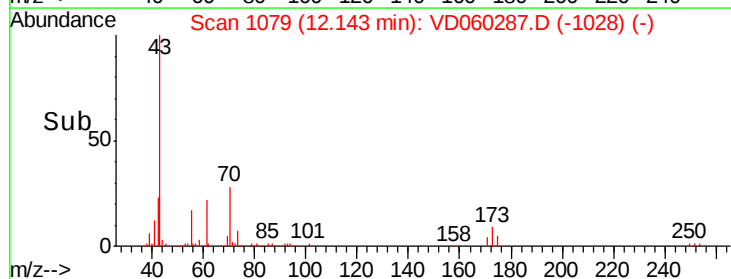
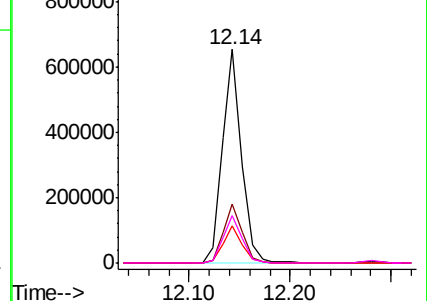


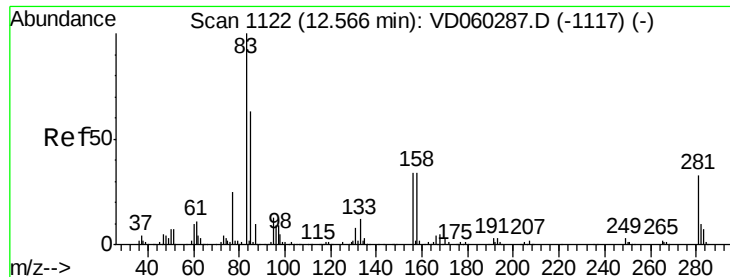
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.040 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

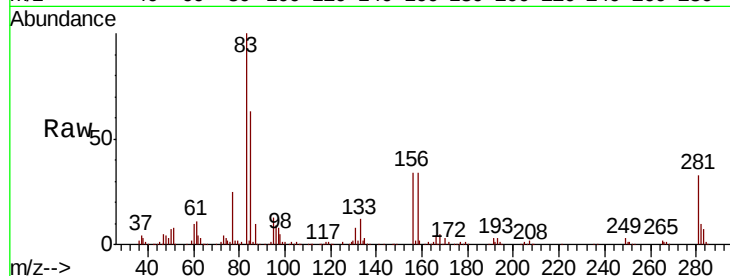
Tot Ion: 83 Resp: 536994

Ion Ratio Lower Upper

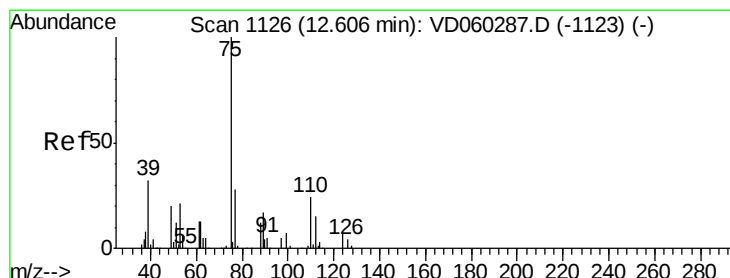
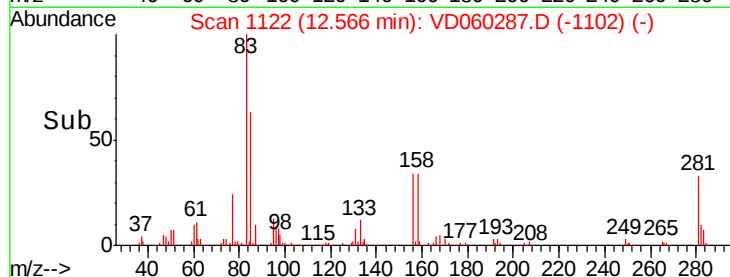
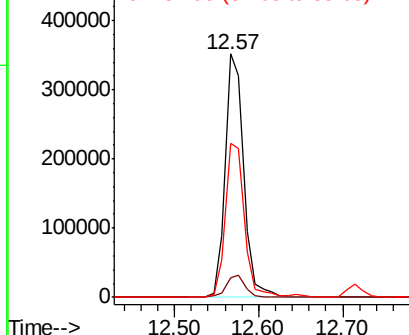
83 100

131 8.1 3.9 11.5

85 63.4 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.985 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060287.D

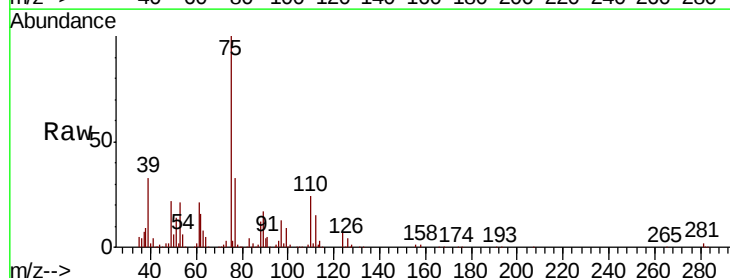
Acq: 6 Nov 2018 12:31

Tgt Ion: 75 Resp: 545191

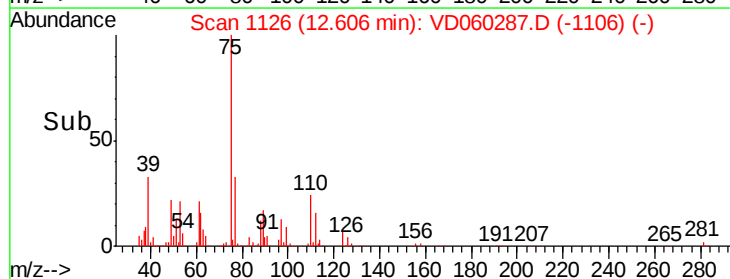
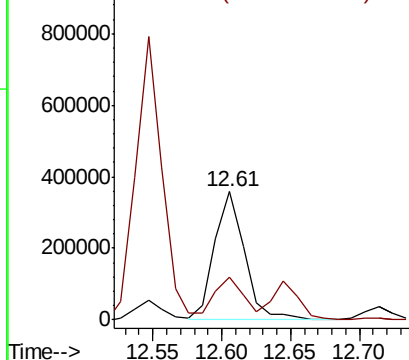
Ion Ratio Lower Upper

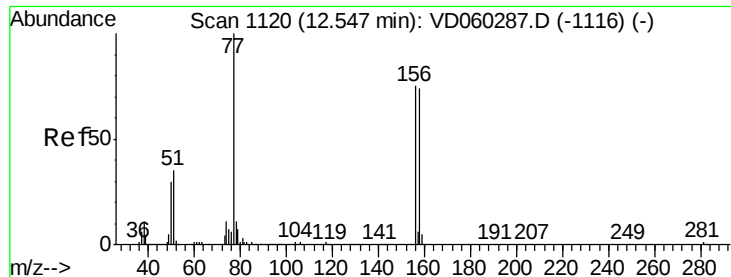
75 100

77 33.2 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.331 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

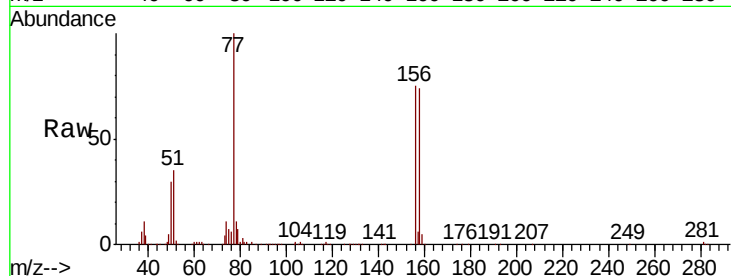
Tot Ion:156 Resp: 860059

Ion Ratio Lower Upper

156 100

77 133.1 61.2 183.6

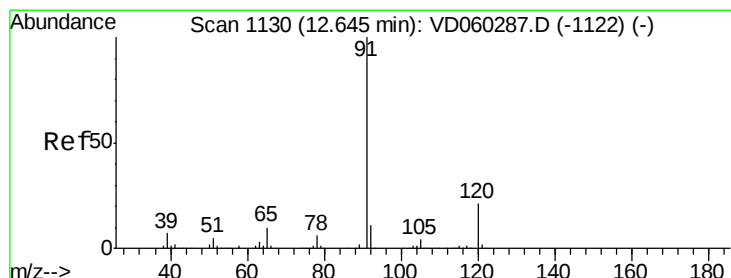
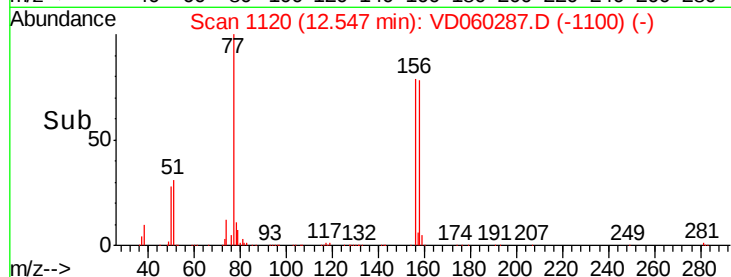
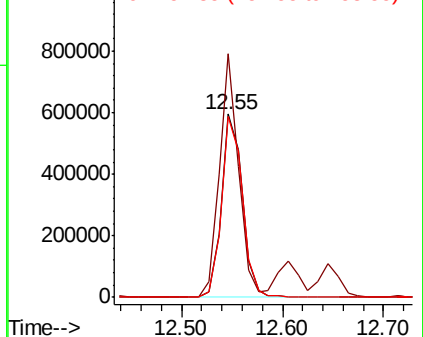
158 98.7 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.579 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060287.D

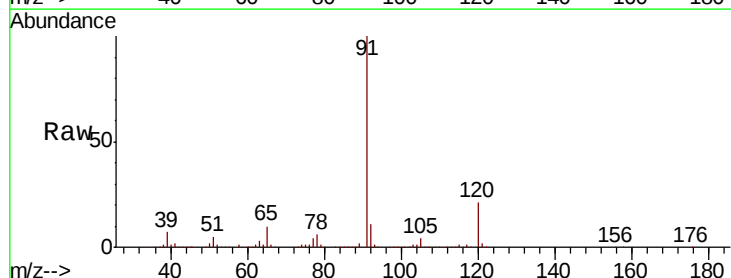
Acq: 6 Nov 2018 12:31

Tgt Ion: 91 Resp: 4068015

Ion Ratio Lower Upper

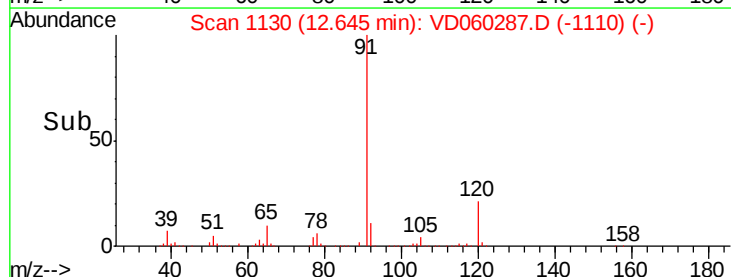
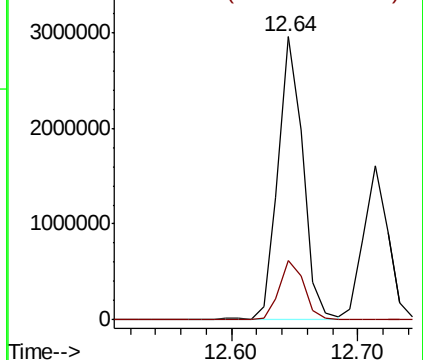
91 100

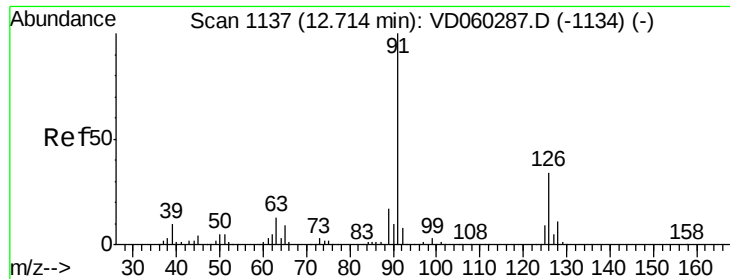
120 20.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

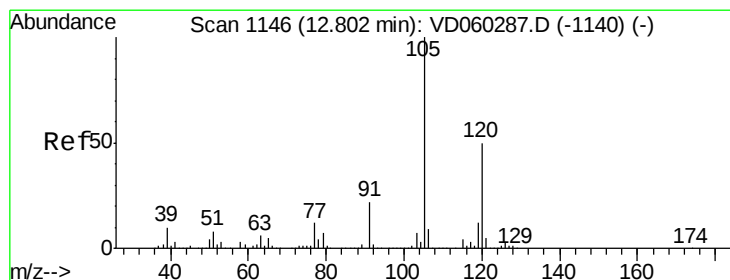
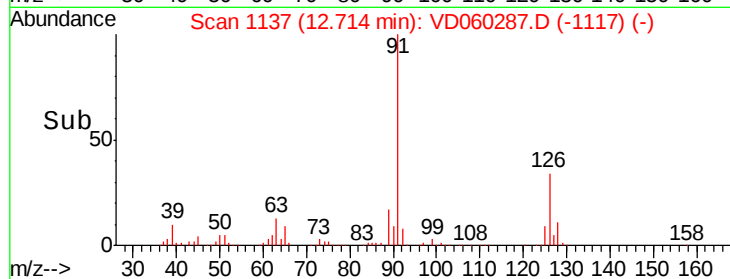
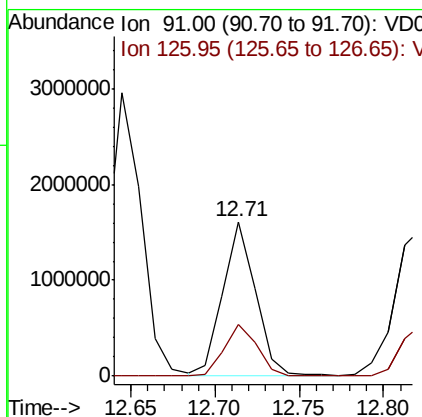
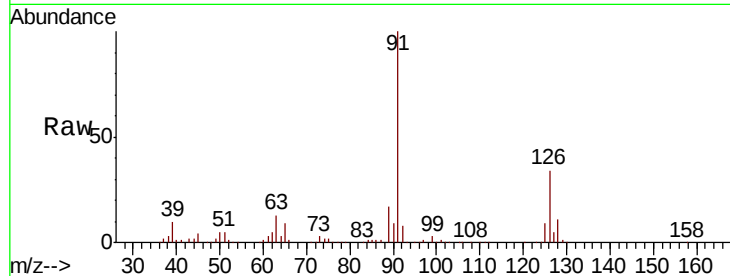




#79
2-Chlorotoluene
Concen: 49.744 ug/l
RT: 12.71 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

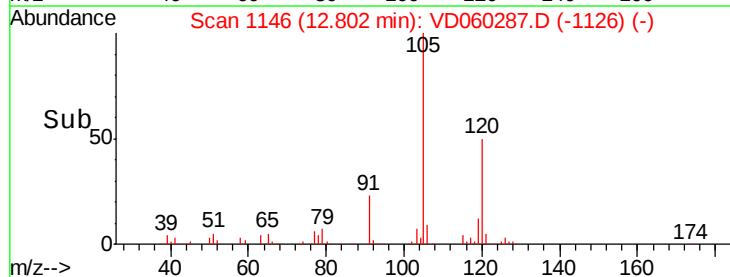
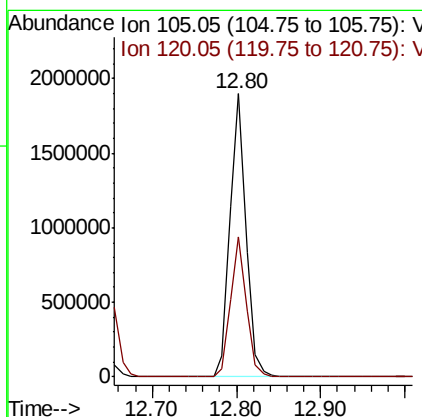
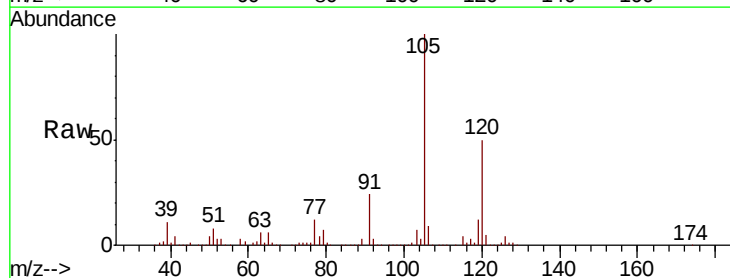
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

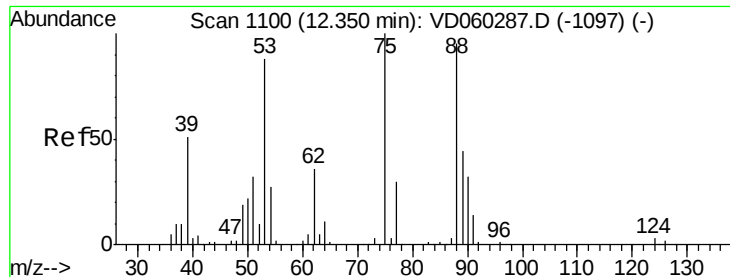
Tot Ion: 91 Resp: 2165038
Ion Ratio Lower Upper
91 100
126 33.9 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 51.080 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:105 Resp: 2490158
Ion Ratio Lower Upper
105 100
120 49.6 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 58.433 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

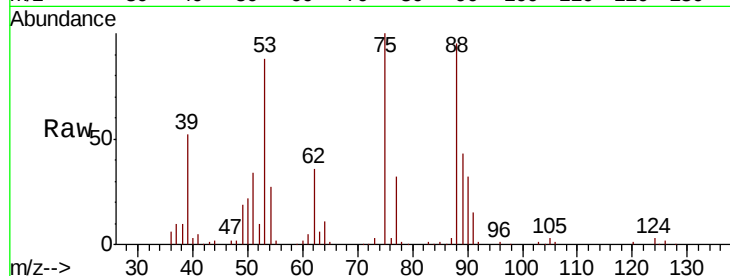
Tot Ion: 75 Resp: 159281

Ion Ratio Lower Upper

75 100

53 88.2 68.6 103.0

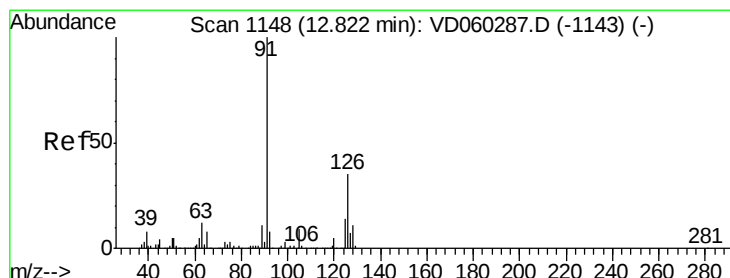
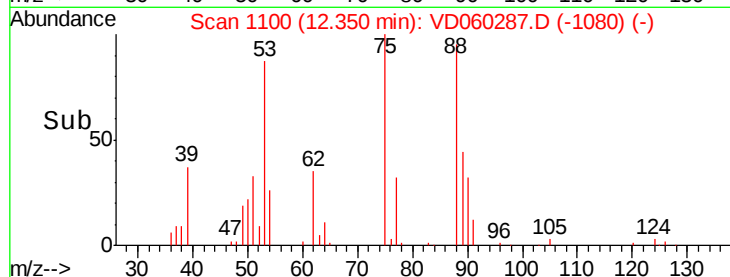
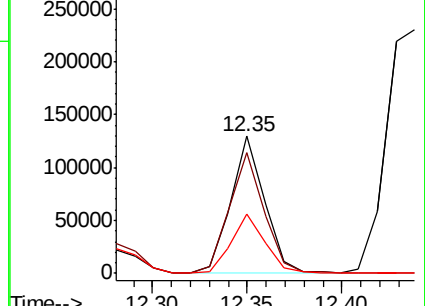
89 43.4 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.978 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060287.D

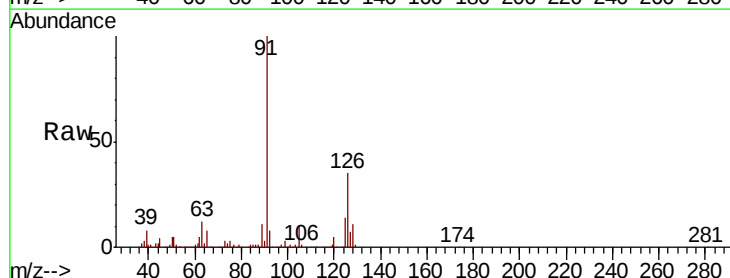
Acq: 6 Nov 2018 12:31

Tgt Ion: 91 Resp: 2426939

Ion Ratio Lower Upper

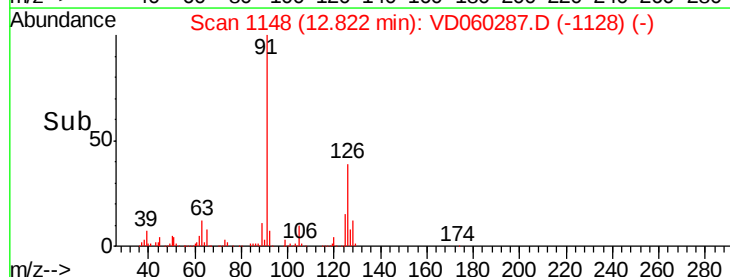
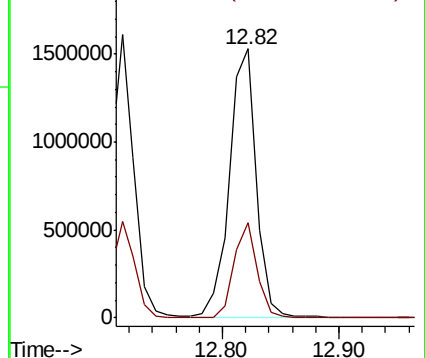
91 100

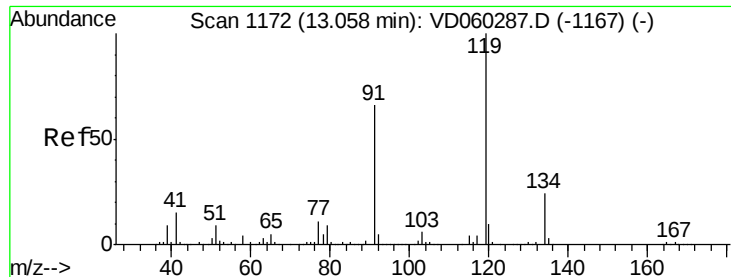
126 35.2 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

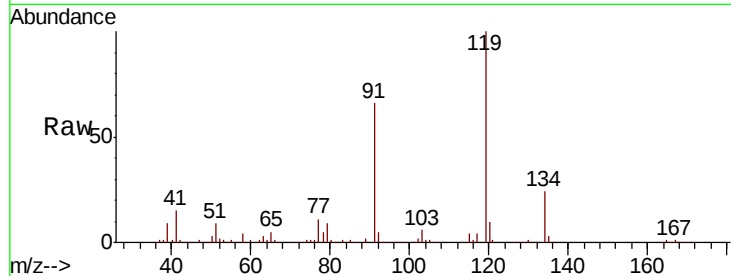




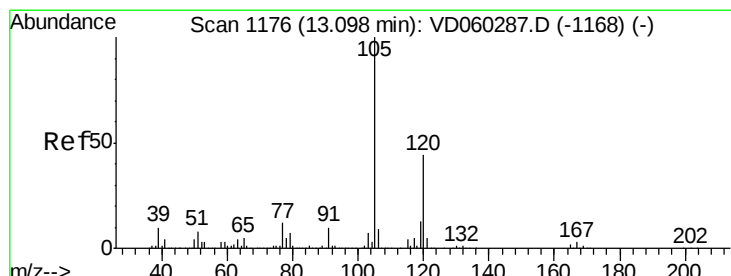
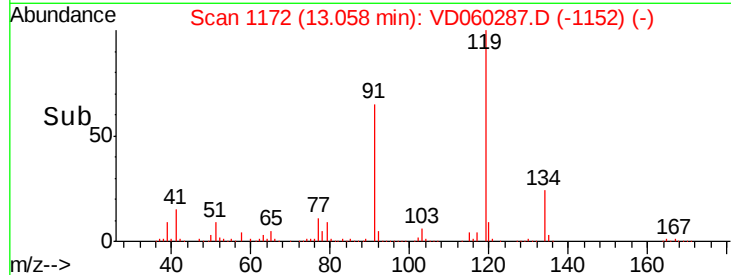
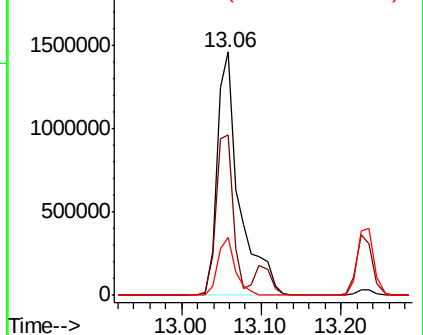
#83
tert-Butylbenzene
Concen: 52.494 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 2844851
Ion Ratio Lower Upper
119 100
91 65.7 32.7 98.1
134 23.7 12.1 36.3

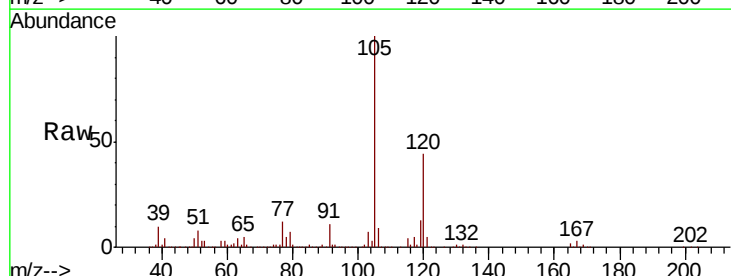


Abundance Ion 119.05 (118.75 to 119.75): V
2000000 Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

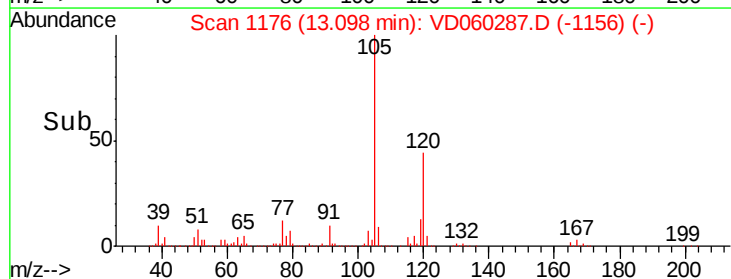
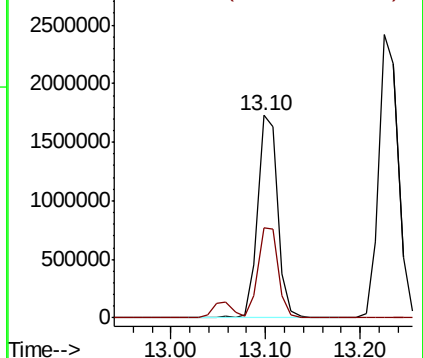


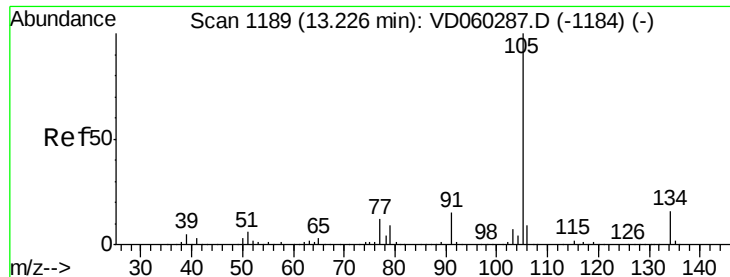
#84
1,2,4-Trimethylbenzene
Concen: 51.708 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:105 Resp: 2558165
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V
2500000 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.367 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

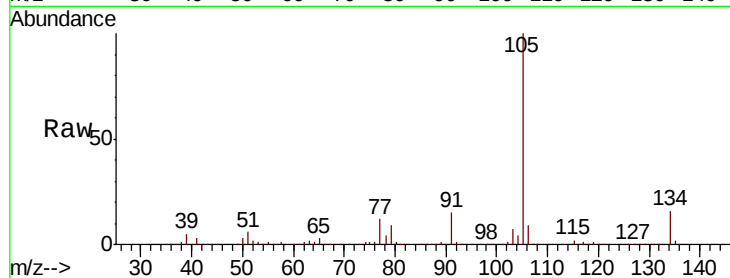
VSTDICCC050

Tot Ion:105 Resp: 3461748

Ion Ratio Lower Upper

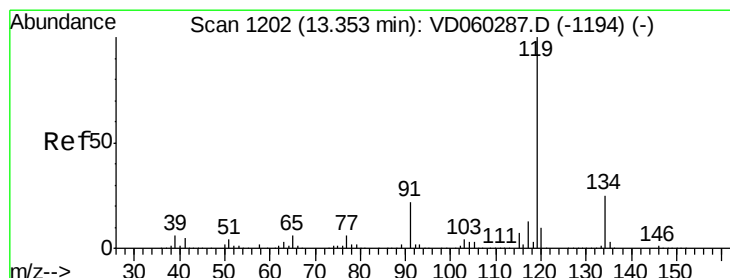
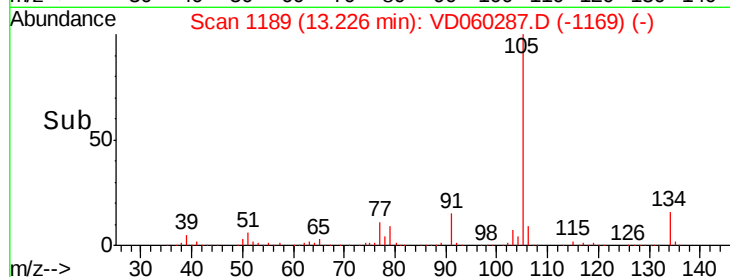
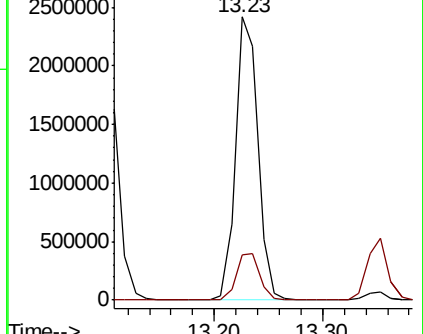
105 100

134 16.1 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.610 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD060287.D

Acq: 6 Nov 2018 12:31

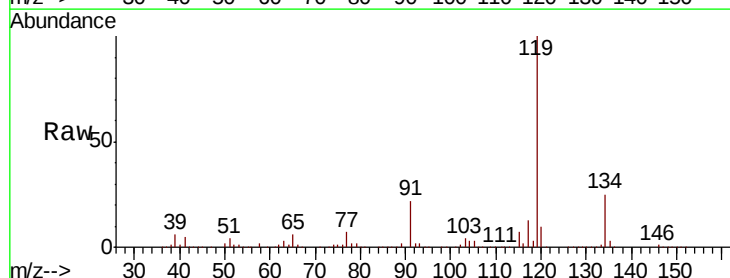
Tgt Ion:119 Resp: 2816617

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

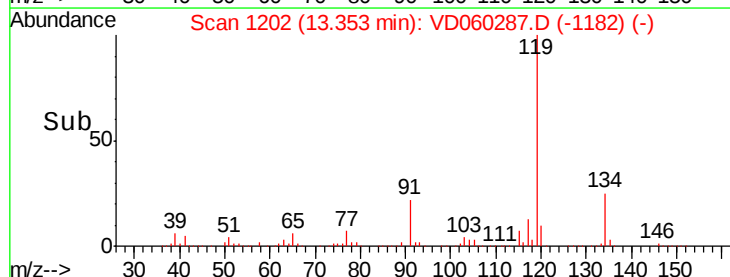
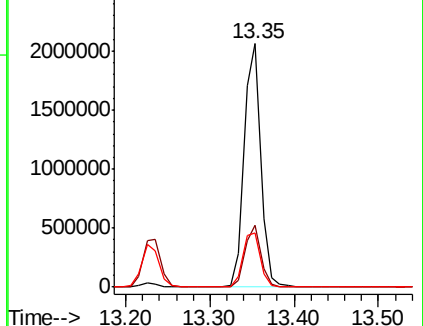
91 22.1 11.3 33.8

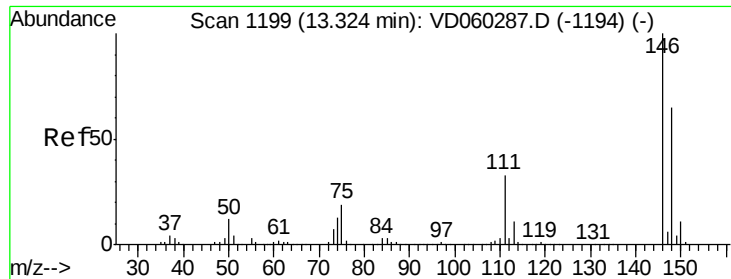


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

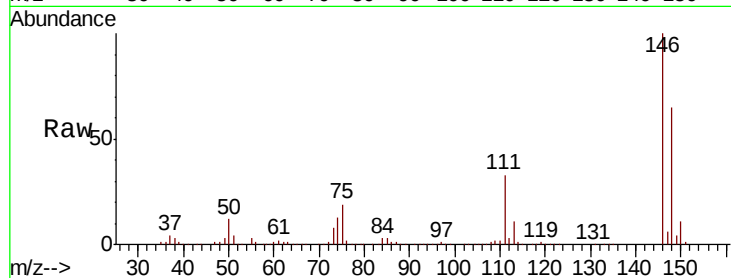




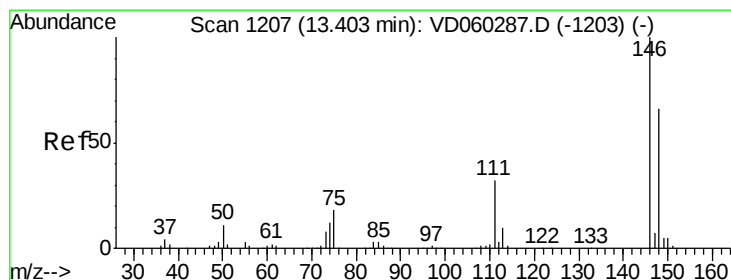
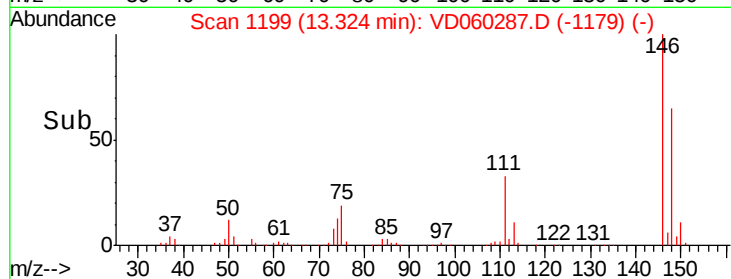
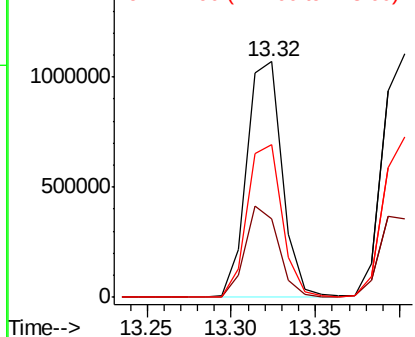
#87
 1,3-Dichlorobenzene
 Concen: 52.428 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDICCC050

Tot Ion:146 Resp: 1568088
 Ion Ratio Lower Upper
 146 100
 111 33.3 20.2 60.5
 148 64.8 32.0 96.0

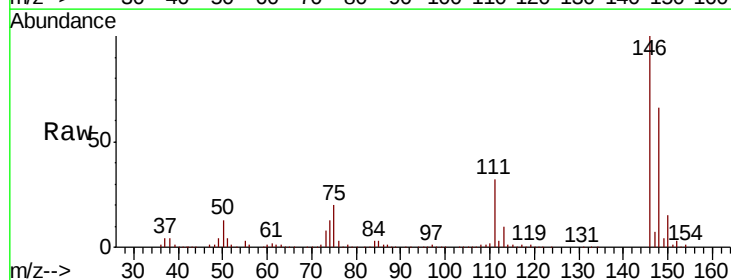


Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

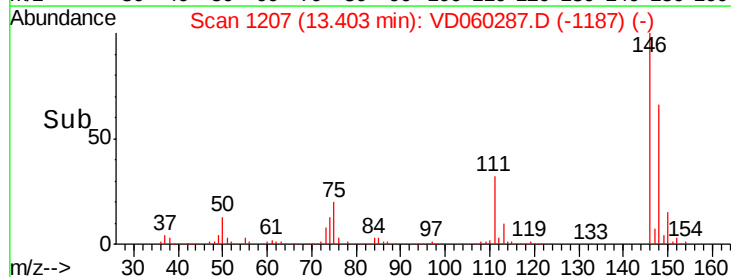
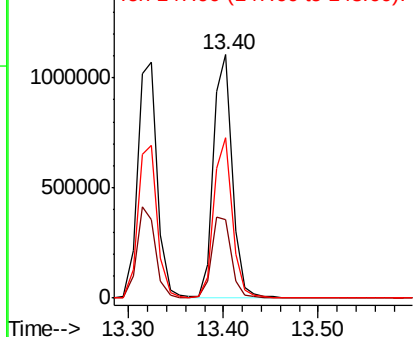


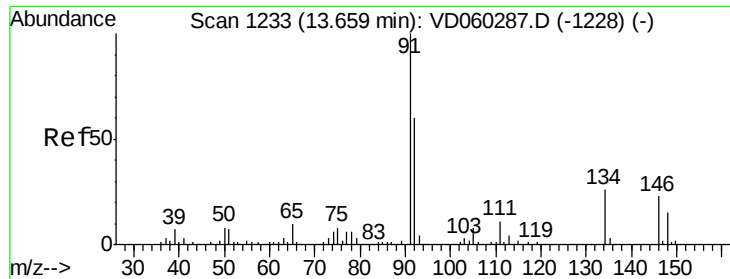
#88
 1,4-Dichlorobenzene
 Concen: 52.318 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion:146 Resp: 1526042
 Ion Ratio Lower Upper
 146 100
 111 32.1 16.0 47.9
 148 65.7 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

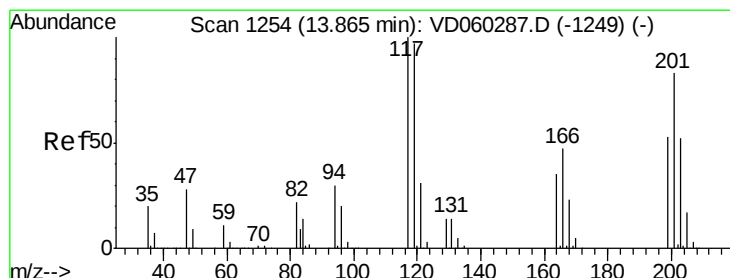
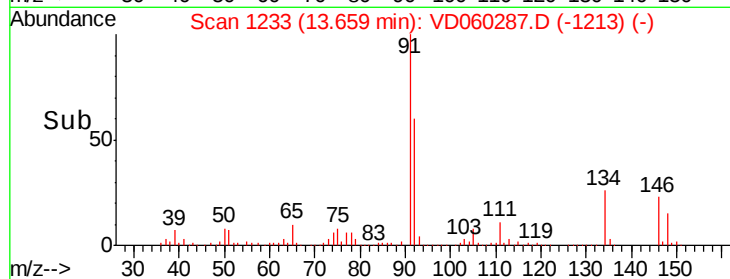
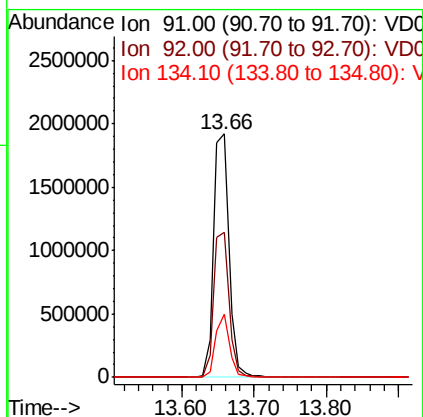
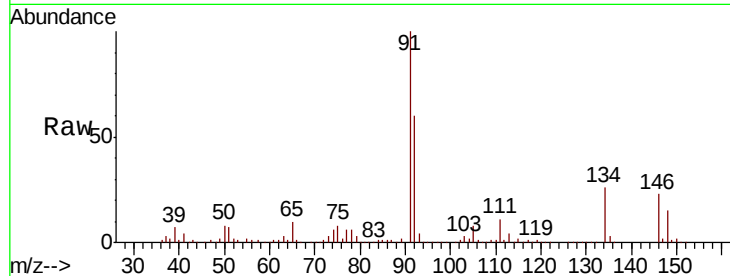




#89
n-Butylbenzene
Concen: 52.054 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

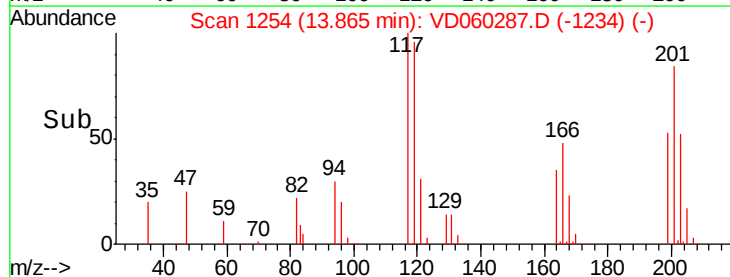
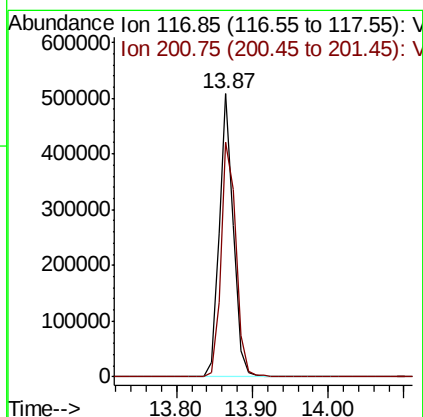
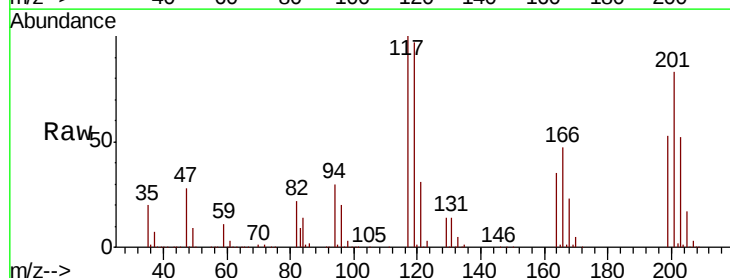
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

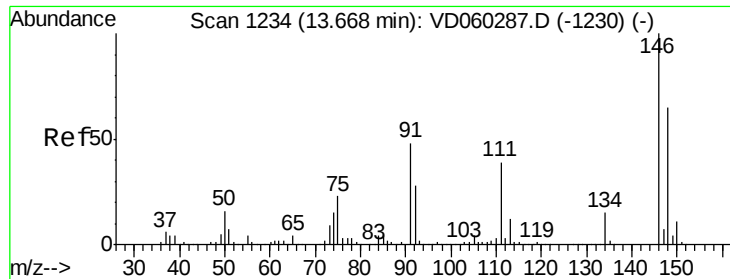
Tot Ion: 91 Resp: 2800703
Ion Ratio Lower Upper
91 100
92 59.6 30.3 90.9
134 26.0 13.0 38.9



#90
Hexachloroethane
Concen: 52.351 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion: 117 Resp: 669715
Ion Ratio Lower Upper
117 100
201 82.8 40.1 120.3

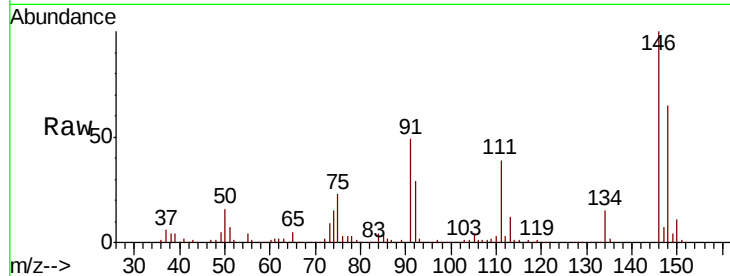




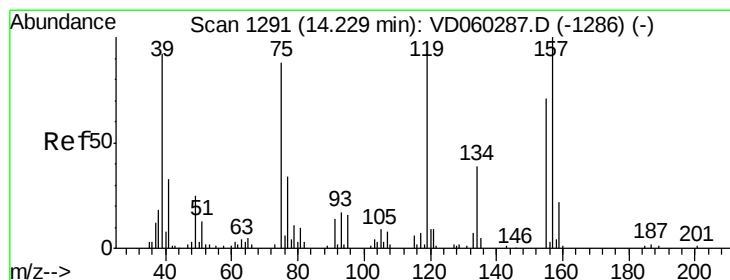
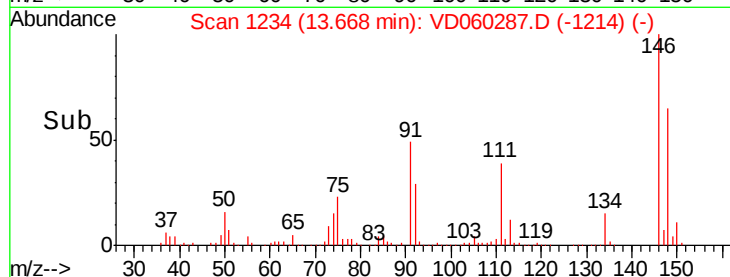
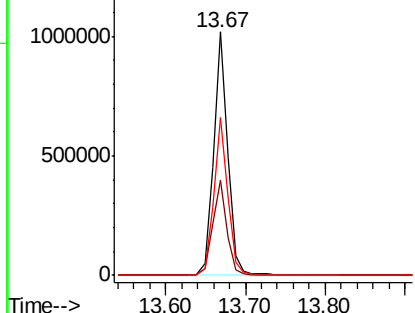
#91
 1,2-Dichlorobenzene
 Concen: 51.787 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1263303
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.9
 148 65.0 31.6 94.8

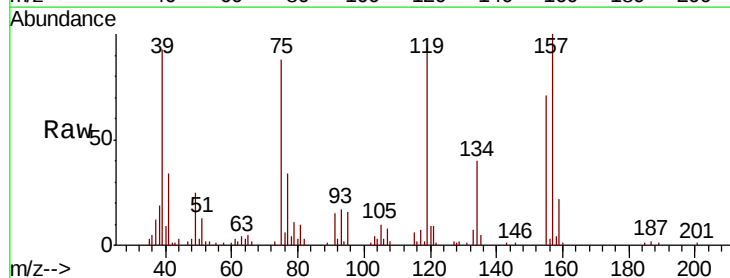


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

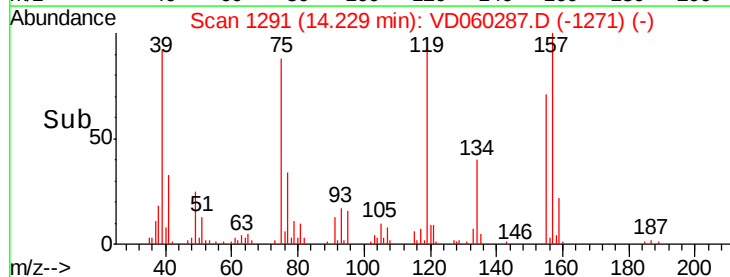
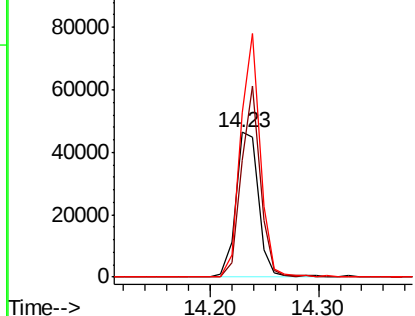


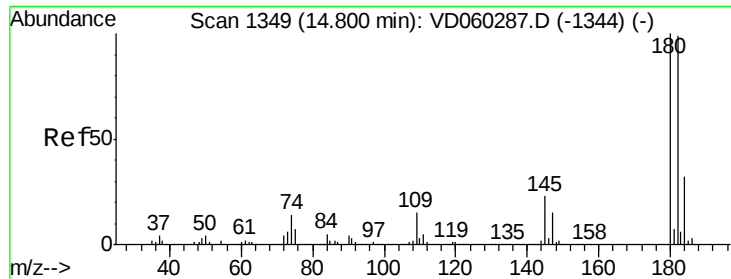
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.920 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion: 75 Resp: 68217
 Ion Ratio Lower Upper
 75 100
 155 80.9 64.3 192.9
 157 114.0 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

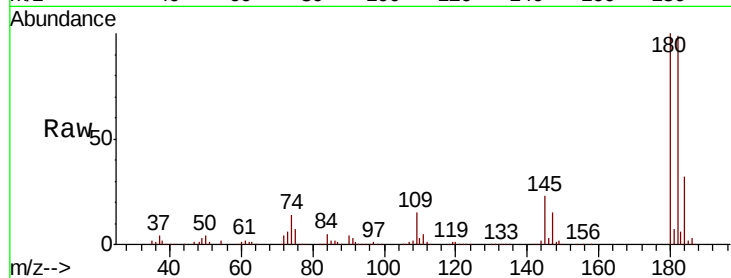




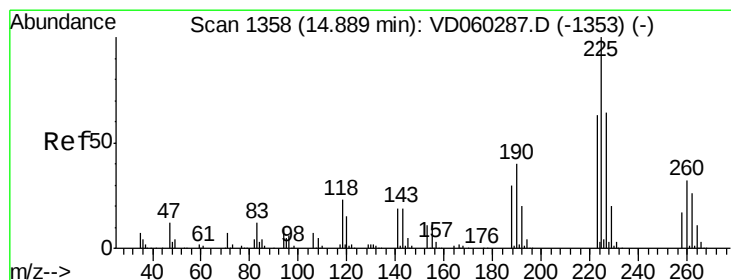
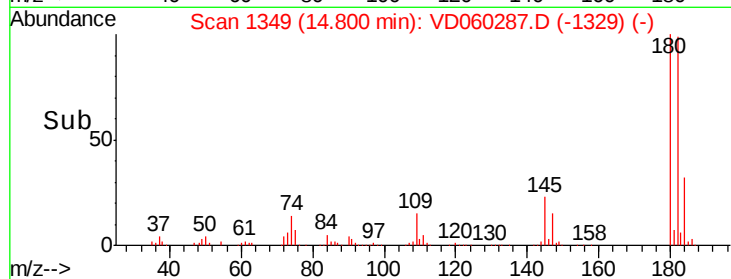
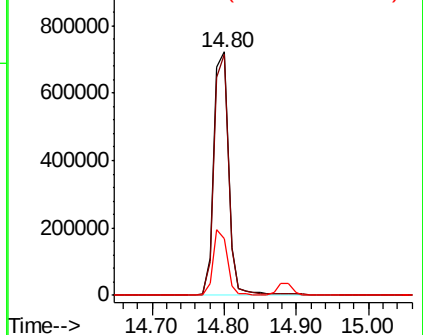
#93
 1,2,4-Trichlorobenzene
 Concen: 54.297 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 1027518
 Ion Ratio Lower Upper
 180 100
 182 98.8 48.1 144.4
 145 23.4 11.5 34.4

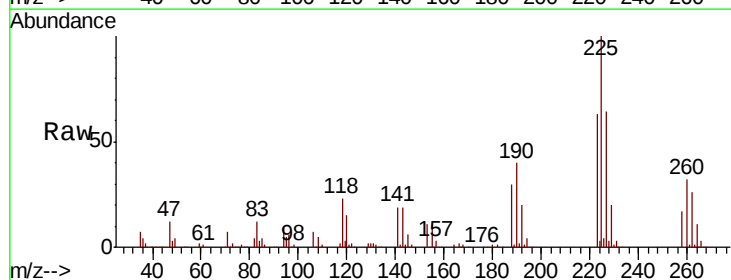


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

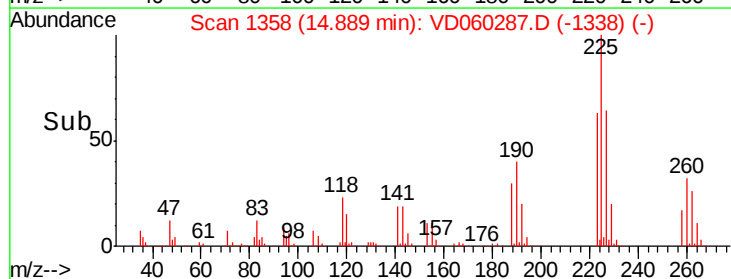
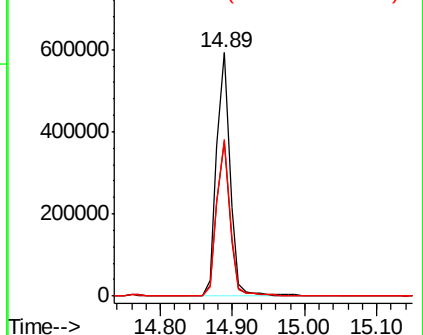


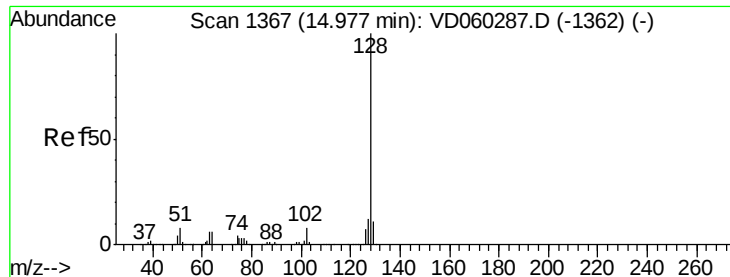
#94
 Hexachlorobutadiene
 Concen: 54.971 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060287.D
 Acq: 6 Nov 2018 12:31

Tgt Ion:225 Resp: 768286
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.8
 227 64.2 32.3 96.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

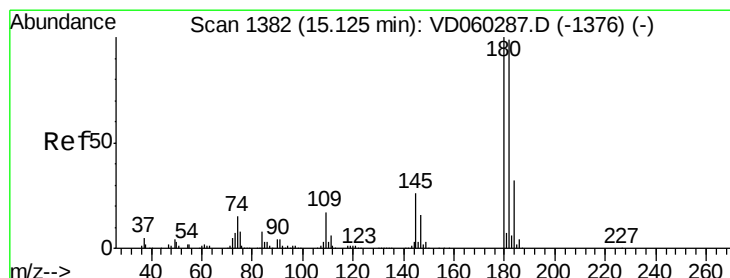
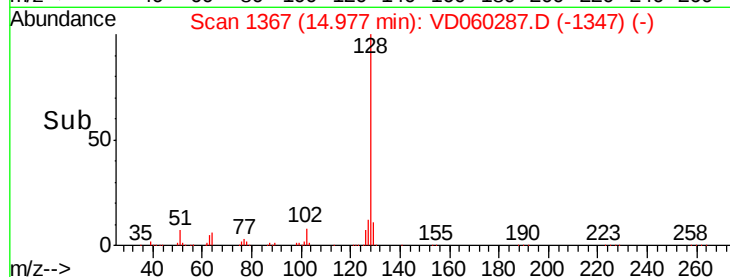
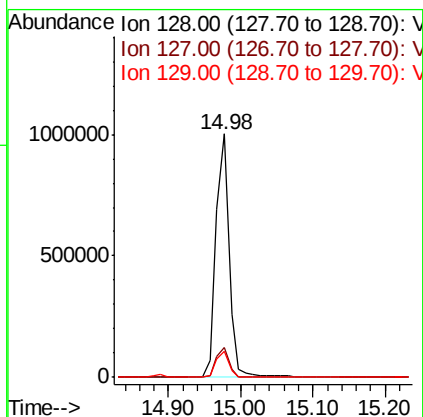
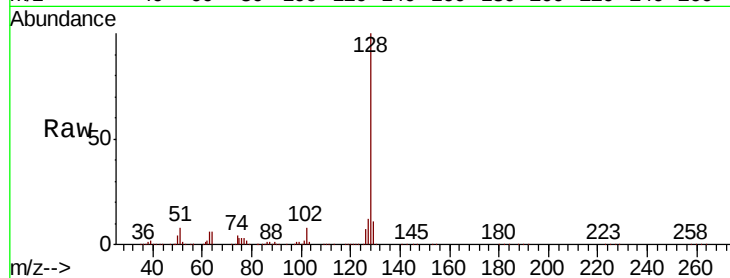




#95
Naphthalene
Concen: 53.528 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 1260178
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.631 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD060287.D
Acq: 6 Nov 2018 12:31

Tgt Ion:180 Resp: 819418
Ion Ratio Lower Upper
180 100
182 98.7 48.9 146.7
145 26.1 12.9 38.6

