

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
 Data File : VD060329.D
 Acq On : 12 Nov 2018 10:18
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 13 00:38:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1827642	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2537911	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	2002701	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	1006230	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	617221	47.17	ug/l	-0.02
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	6.32	113	929325	49.11	ug/l	-0.02
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	9.44	98	2724877	49.20	ug/l	-0.02
Spiked Amount			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.42	95	969328	48.30	ug/l	-0.02
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	797769	56.219	ug/l	98
3) Chloromethane	1.78	50	849594	49.075	ug/l	100
4) Vinyl Chloride	1.88	62	748383	52.934	ug/l	97
5) Bromomethane	2.17	94	205899	61.384	ug/l	99
6) Chloroethane	2.28	64	245050	52.237	ug/l	99
7) Trichlorofluoromethane	2.53	101	956202	57.365	ug/l	97
8) Diethyl Ether	2.84	74	152229	50.442	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.11	101	610599	55.695	ug/l	98
10) Methyl Iodide	3.26	142	739946	51.965	ug/l	99
11) Tert butyl alcohol	3.96	59	135359	251.893	ug/l	94
12) 1,1-Dichloroethene	3.09	96	501531	56.240	ug/l	92
13) Acrolein	3.00	56	153853	242.304	ug/l	98
14) Allyl chloride	3.55	41	924478	54.180	ug/l	100
15) Acrylonitrile	4.09	53	797006	254.339	ug/l	97
16) Acetone	3.17	43	677971	298.673	ug/l	100
17) Carbon Disulfide	3.33	76	1538175	53.438	ug/l	99
18) Methyl Acetate	3.57	43	256644	53.025	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	1359227	50.902	ug/l	99
20) Methylene Chloride	3.73	84	1088970	54.080	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	1071283	54.104	ug/l	98
22) Diisopropyl ether	4.86	45	3385383	53.105	ug/l	95
23) Vinyl Acetate	4.81	43	8279479	261.016	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1759483	53.823	ug/l	99
25) 2-Butanone	5.62	43	1259086	266.856	ug/l	98
26) 2,2-Dichloropropane	5.59	77	1454684	57.237	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	1094330	53.051	ug/l	99
28) Bromochloromethane	5.92	49	765464	53.069	ug/l	95
29) Tetrahydrofuran	5.95	42	606034	243.624	ug/l	98
30) Chloroform	6.10	83	1793922	54.893	ug/l	100
31) Cyclohexane	6.36	56	1603712	51.328	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	1509603	54.839	ug/l	99
36) 1,1-Dichloropropene	6.52	75	1395712	55.665	ug/l	99
37) Ethyl Acetate	5.70	43	570900	49.481	ug/l	98
38) Carbon Tetrachloride	6.49	117	1266545	54.454	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1534357	53.205	ug/l	99
40) Benzene	6.79	78	3475200	54.298	ug/l	99
41) Methacrylonitrile	5.94	41	659375	49.932	ug/l	99
42) 1,2-Dichloroethane	6.89	62	879920	52.525	ug/l	96
43) Isopropyl Acetate	8.33	43	745509	51.440	ug/l	98
44) Trichloroethene	7.73	130	1078142	55.570	ug/l	98
45) 1,2-Dichloropropane	8.10	63	882318	54.661	ug/l	96
46) Dibromomethane	8.20	93	497705	52.646	ug/l	99
47) Bromodichloromethane	8.48	83	1232315	55.316	ug/l	98
48) Methyl methacrylate	8.23	41	455491	51.741	ug/l	98
49) 1,4-Dioxane	8.21	88	76339	1002.233	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	2316370	245.563	ug/l	99
52) Toluene	9.53	92	2214021	54.154	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1015273	53.938	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1340965	55.544	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	583454	49.238	ug/l	98
56) Ethyl methacrylate	10.02	69	587325	53.907	ug/l	98
57) 1,3-Dichloropropane	10.37	76	971003	53.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1696298	257.492	ug/l	100
59) 2-Hexanone	10.48	43	1883724	280.184	ug/l	98
60) Dibromochloromethane	10.63	129	795233	55.208	ug/l	97
61) 1,2-Dibromoethane	10.74	107	615714	51.859	ug/l	98
64) Tetrachloroethene	10.24	164	966571	54.062	ug/l	97
65) Chlorobenzene	11.30	112	2311193	53.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	758977	53.458	ug/l	97
67) Ethyl Benzene	11.41	91	3868628	52.117	ug/l	99
68) m/p-Xylenes	11.55	106	2848313	104.021	ug/l	99
69) o-Xylene	11.92	106	1390710	52.572	ug/l	97
70) Styrene	11.94	104	2278337	53.292	ug/l	98
71) Bromoform	12.10	173	512478	53.716	ug/l	99
73) Isopropylbenzene	12.27	105	3882911	52.965	ug/l	98
74) N-amyl acetate	12.12	43	967263	51.463	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	623031	51.964	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	620866	51.580	ug/l	100
77) Bromobenzene	12.53	156	1029946	52.890	ug/l	90
78) n-propylbenzene	12.62	91	4699563	51.358	ug/l	97
79) 2-Chlorotoluene	12.69	91	2662580	53.127	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	2926289	51.362	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	190341	55.544	ug/l	96
82) 4-Chlorotoluene	12.80	91	2935465	52.142	ug/l	93
83) tert-Butylbenzene	13.04	119	3355113	53.042	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	3010619	52.911	ug/l	97
85) sec-Butylbenzene	13.21	105	4127686	53.189	ug/l	95
86) p-Isopropyltoluene	13.33	119	3173934	50.787	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1754016	50.627	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1776342	52.498	ug/l	97
89) n-Butylbenzene	13.64	91	3285227	54.998	ug/l	98
90) Hexachloroethane	13.84	117	843562	56.925	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	1436141	50.466	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	80444	55.583	ug/l	79

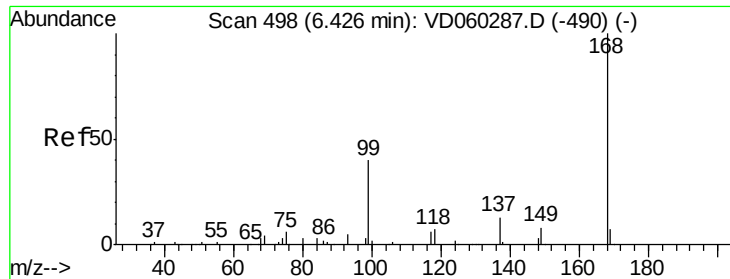
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1182540	52.411	ug/l	98
94) Hexachlorobutadiene	14.87	225	869851	51.543	ug/l	99
95) Naphthalene	14.96	128	1339025	48.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	871072	48.178	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

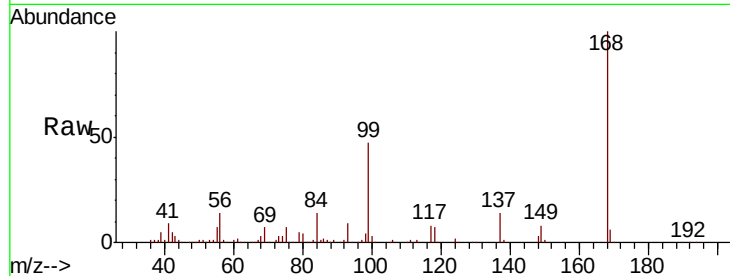
VSTDCCC050

Tot Ion:168 Resp: 1827642

Ion Ratio Lower Upper

168 100

99 47.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

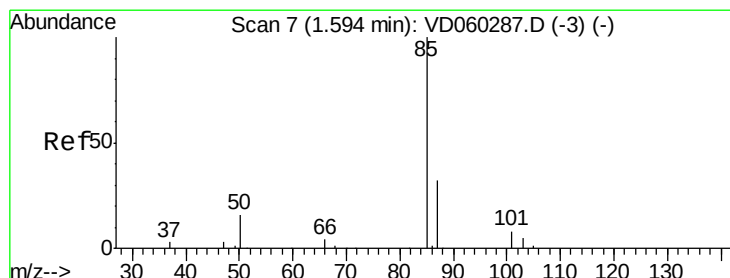
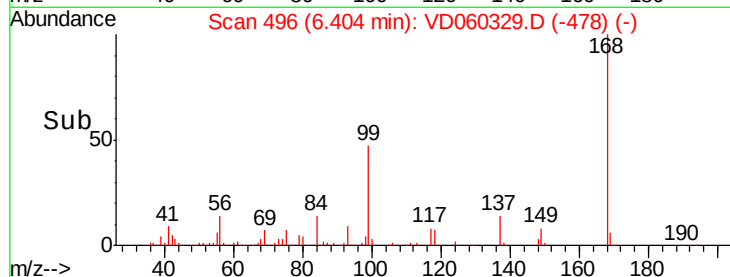
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 56.219 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060329.D

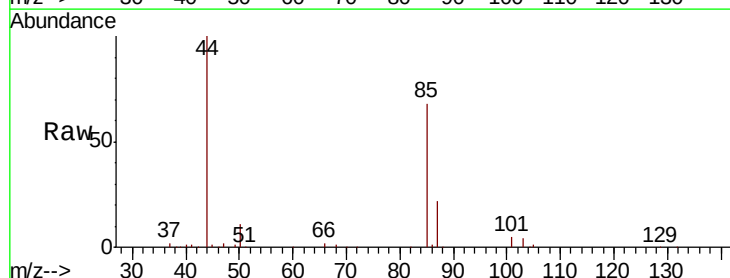
Acq: 12 Nov 2018 10:18

Tgt Ion: 85 Resp: 797769

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

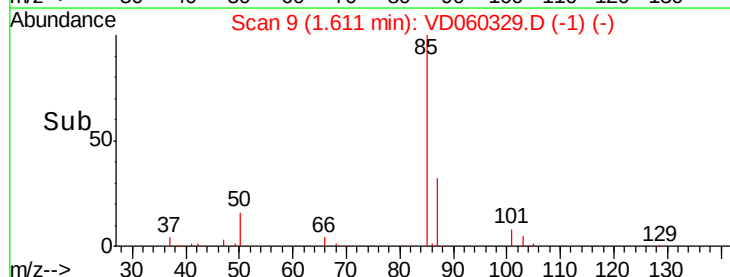
300000

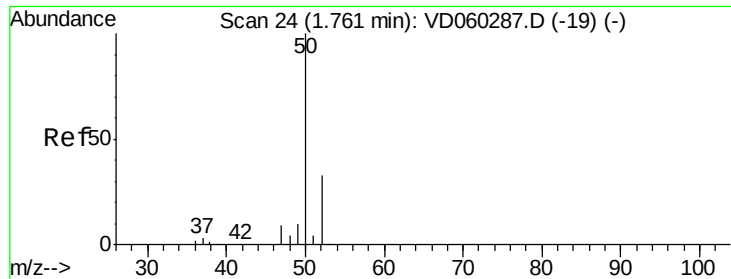
200000

100000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 49.075 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

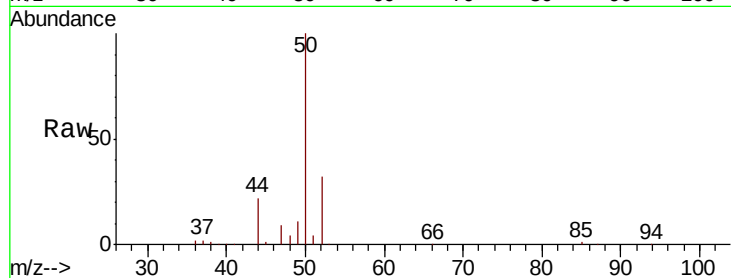
VSTDCCC050

Tot Ion: 50 Resp: 849594

Ion Ratio Lower Upper

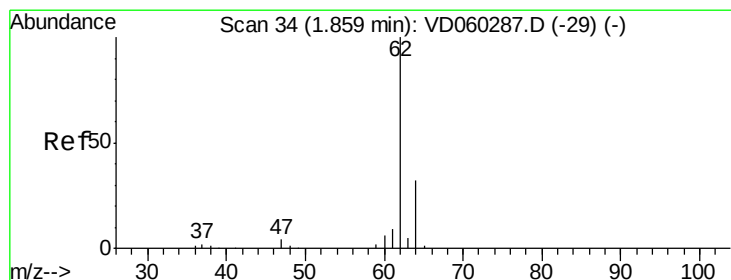
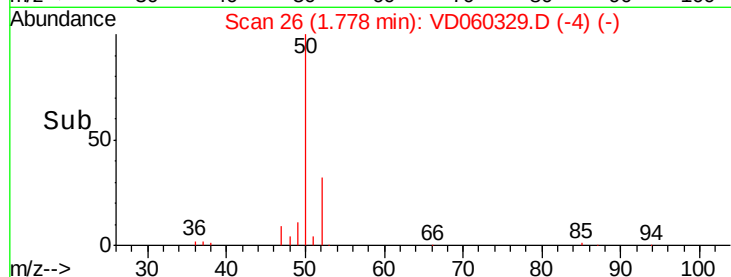
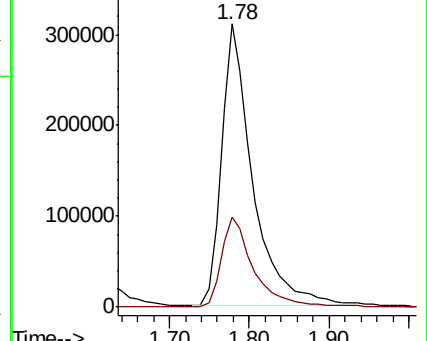
50 100

52 31.9 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: 52.934 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060329.D

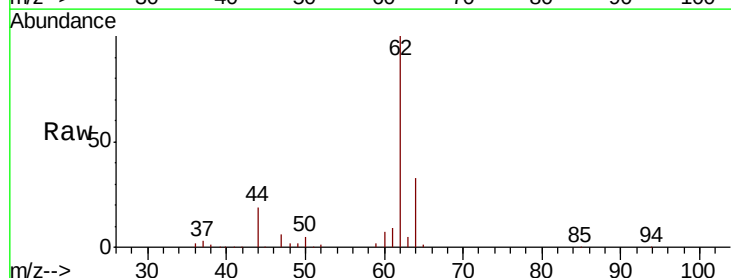
Acq: 12 Nov 2018 10:18

Tgt Ion: 62 Resp: 748383

Ion Ratio Lower Upper

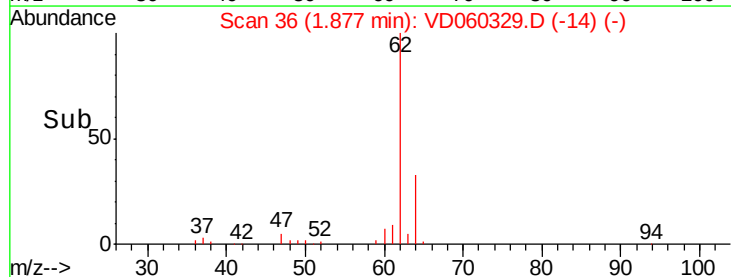
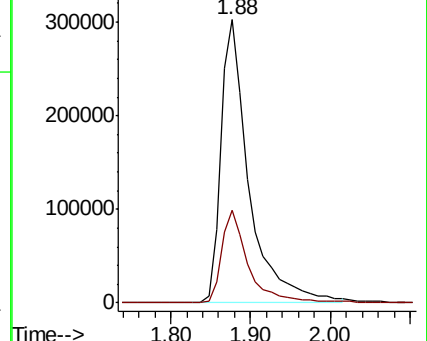
62 100

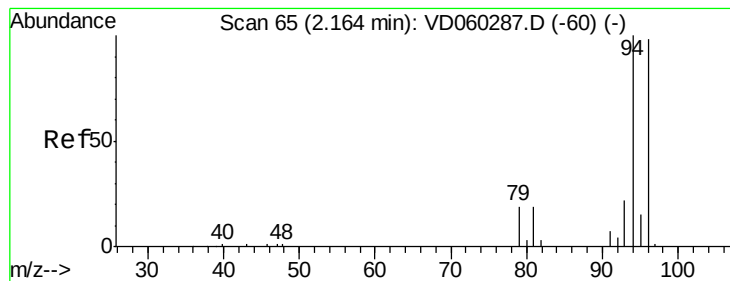
64 32.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.384 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

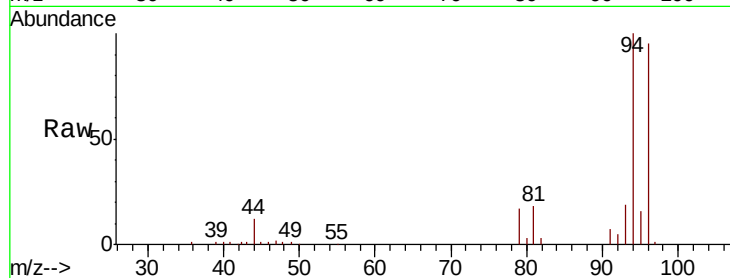
VSTDCCC050

Tot Ion: 94 Resp: 205899

Ion Ratio Lower Upper

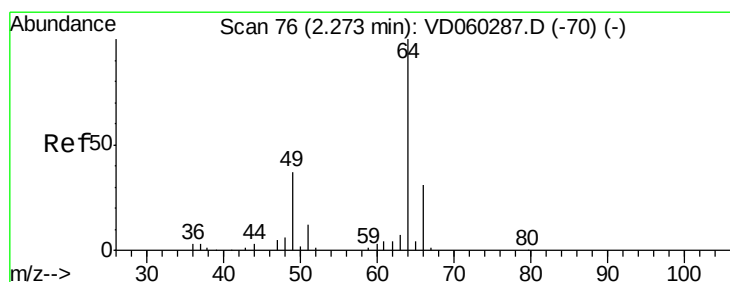
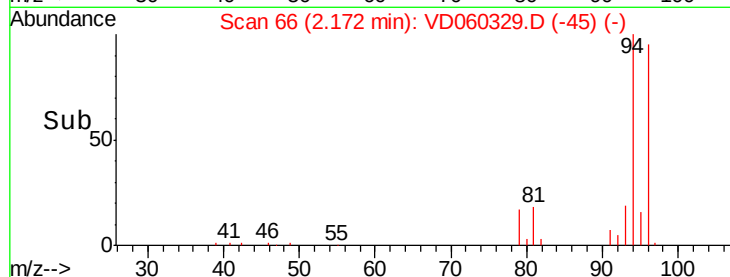
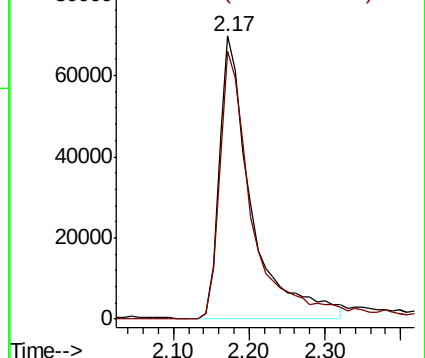
94 100

96 94.9 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: 52.237 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060329.D

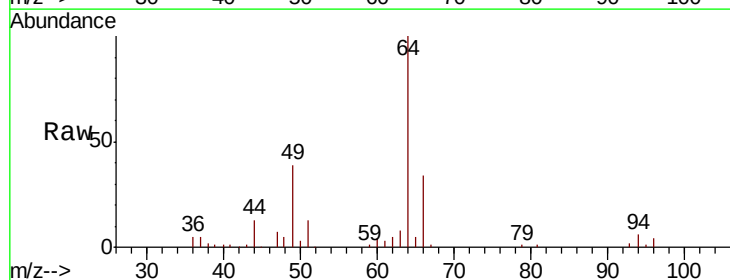
Acq: 12 Nov 2018 10:18

Tgt Ion: 64 Resp: 245050

Ion Ratio Lower Upper

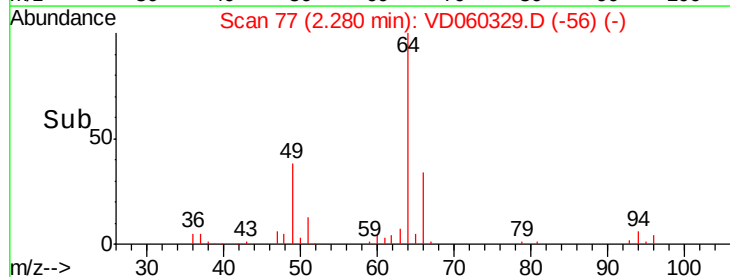
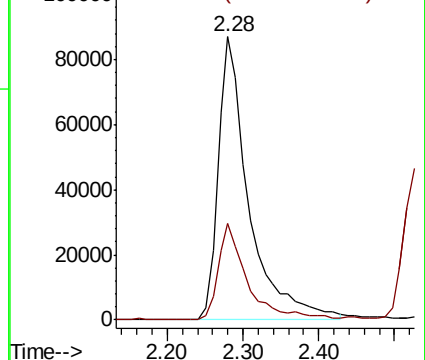
64 100

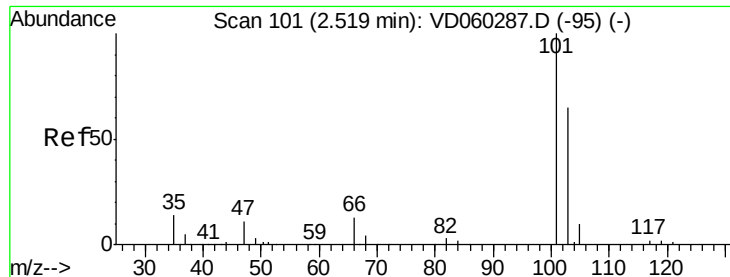
66 33.9 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



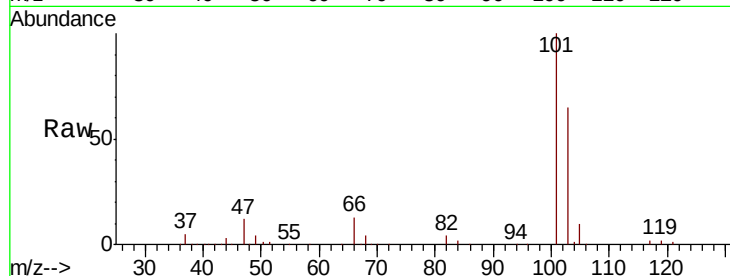


#7

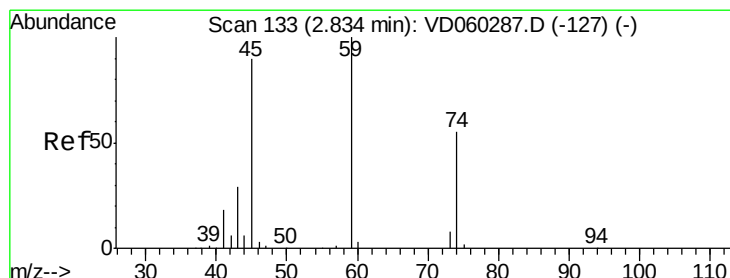
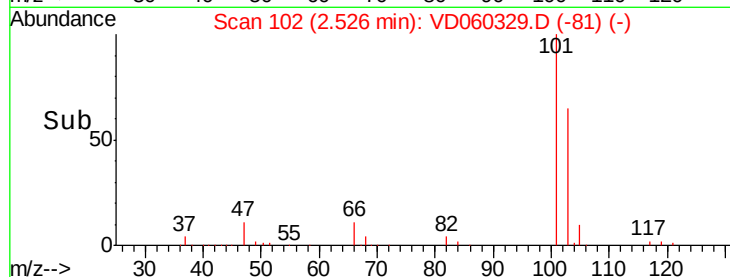
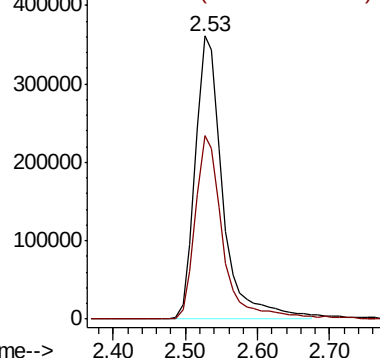
Trichlorofluoromethane
 Concen: 57.365 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 956202
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.6 80.4



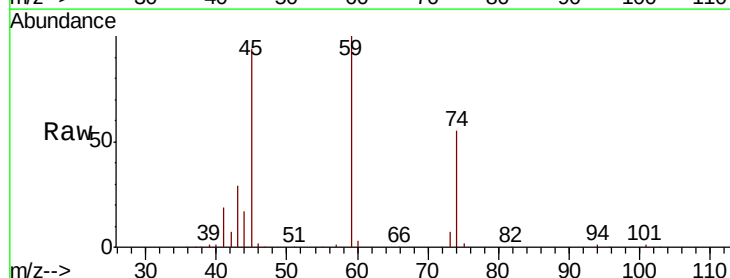
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



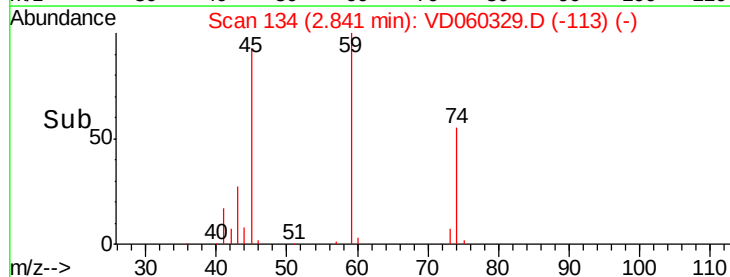
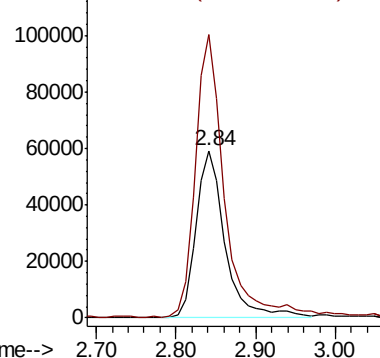
#8

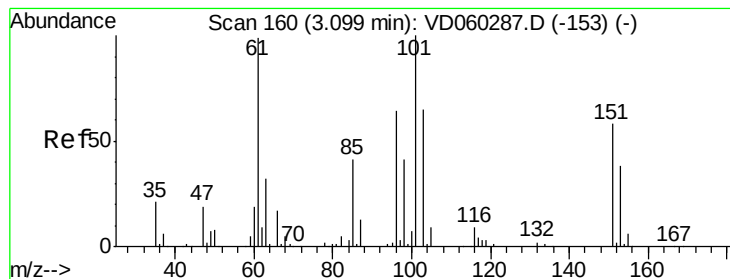
Diethyl Ether
 Concen: 50.442 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 74 Resp: 152229
 Ion Ratio Lower Upper
 74 100
 45 169.6 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: 55.695 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

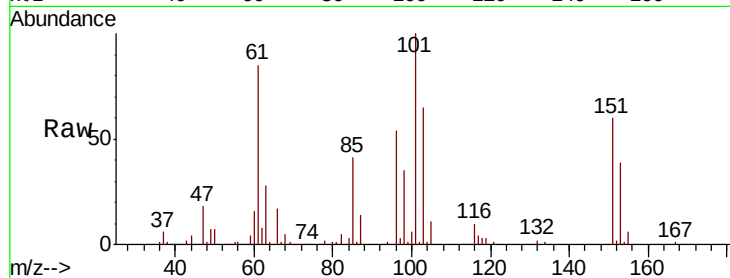
Tot Ion:101 Resp: 610599

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.0

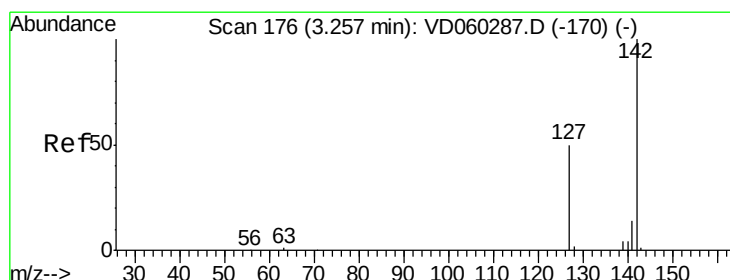
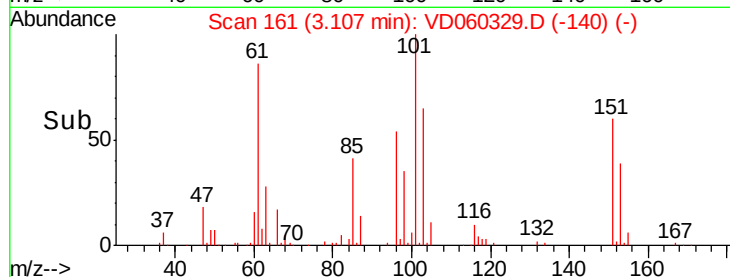
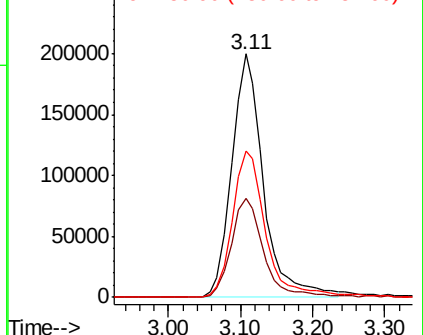
151 60.1 47.4 71.0



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: 51.965 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

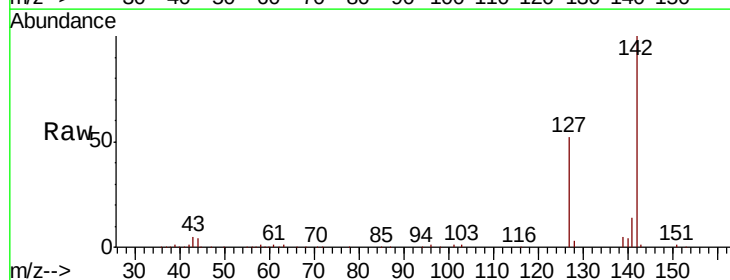
Tgt Ion:142 Resp: 739946

Ion Ratio Lower Upper

142 100

127 51.8 41.0 61.6

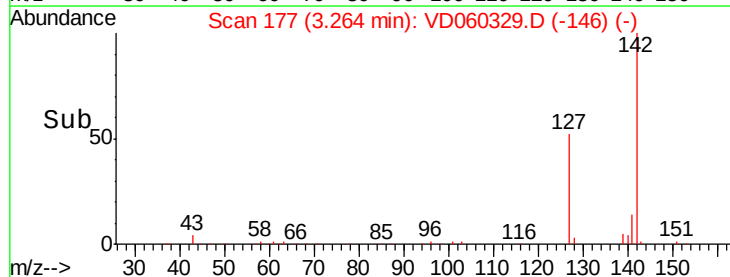
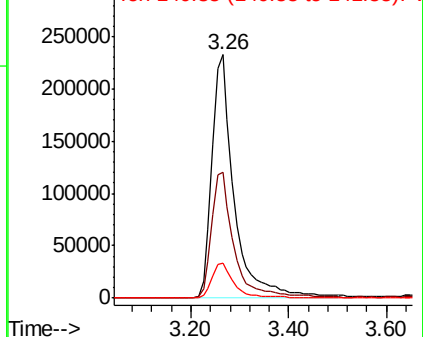
141 14.1 11.9 17.9

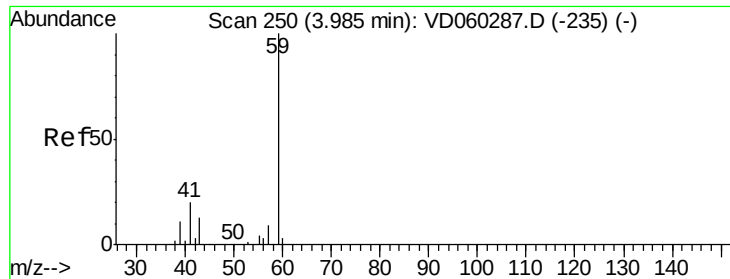


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

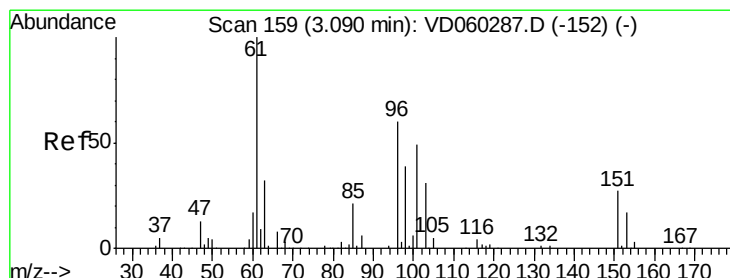
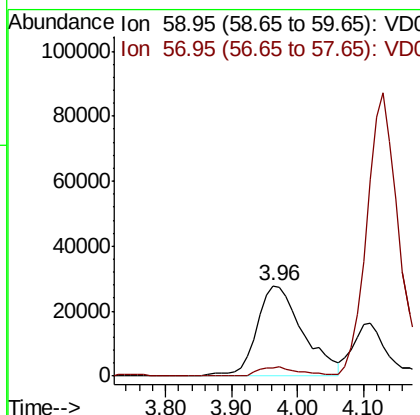
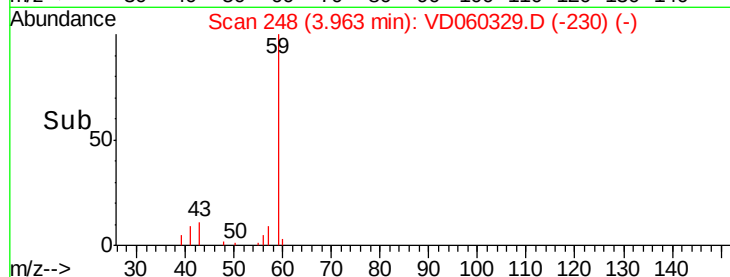
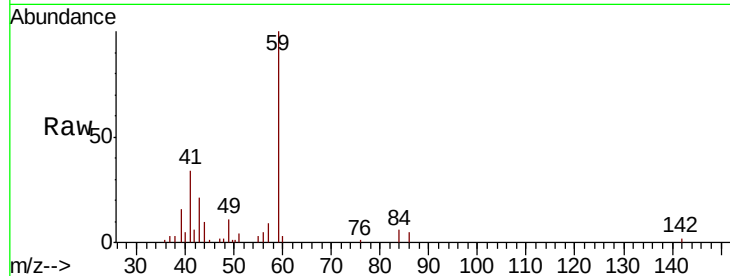




#11
Tert butyl alcohol
Concen: 251.893 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

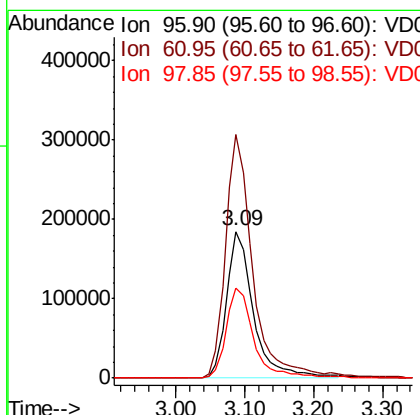
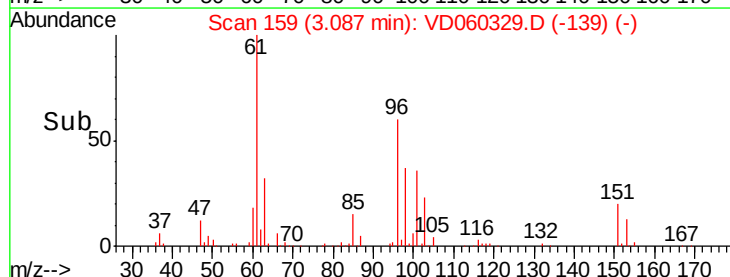
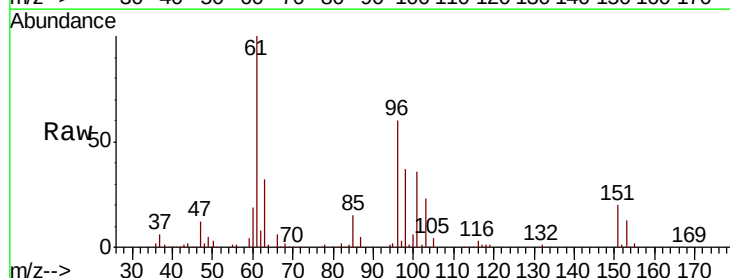
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

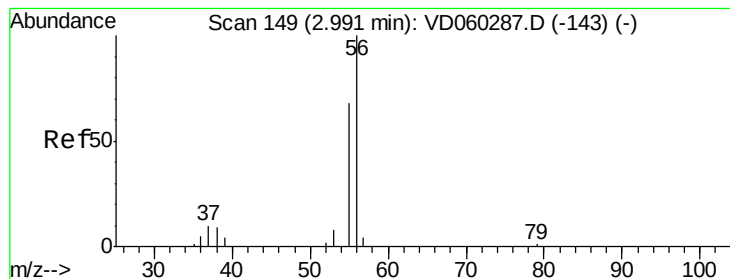
Tot Ion: 59 Resp: 135359
Ion Ratio Lower Upper
59 100
57 9.4 9.3 13.9



#12
1,1-Dichloroethene
Concen: 56.240 ug/l
RT: 3.09 min Scan# 159
Delta R.T. -0.00 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 96 Resp: 501531
Ion Ratio Lower Upper
96 100
61 165.7 142.2 213.4
98 61.6 52.6 79.0





#13

Acrolein

Concen: 242.304 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

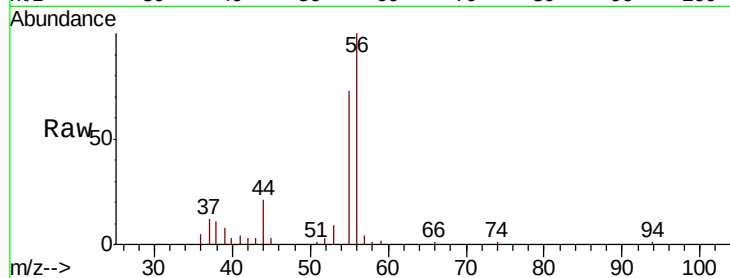
VSTDCCC050

Tot Ion: 56 Resp: 153853

Ion Ratio Lower Upper

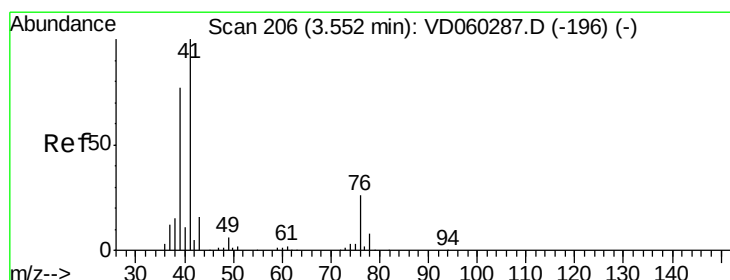
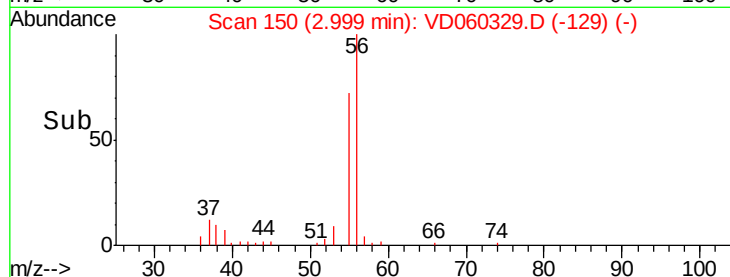
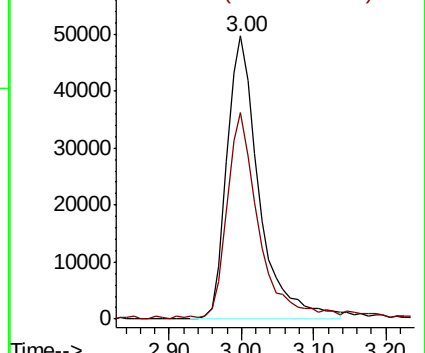
56 100

55 72.9 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.180 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

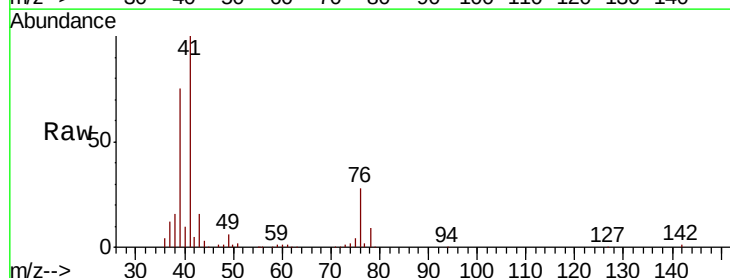
Tgt Ion: 41 Resp: 924478

Ion Ratio Lower Upper

41 100

39 75.5 60.4 90.6

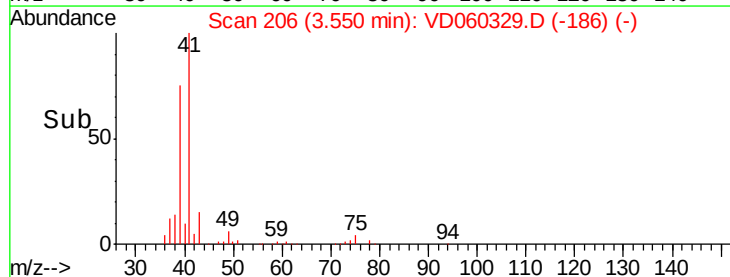
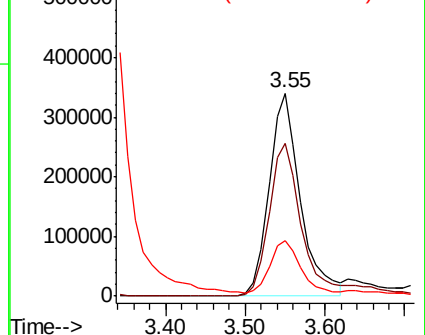
76 27.5 21.8 32.8

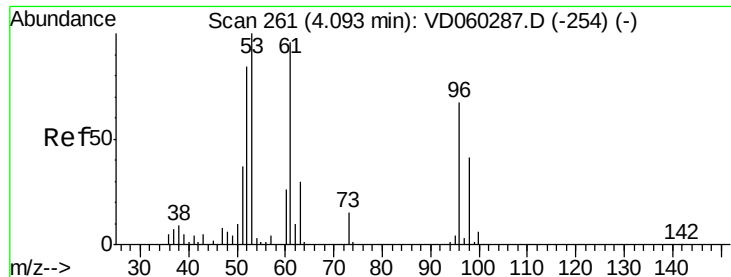


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 254.339 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

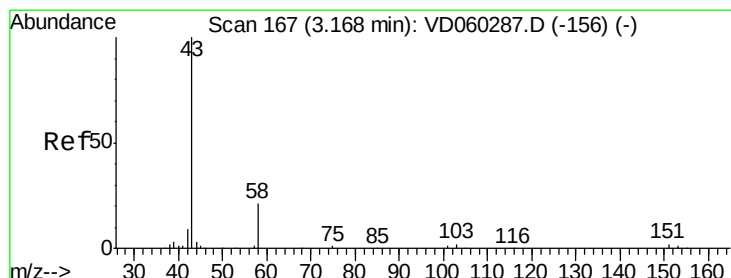
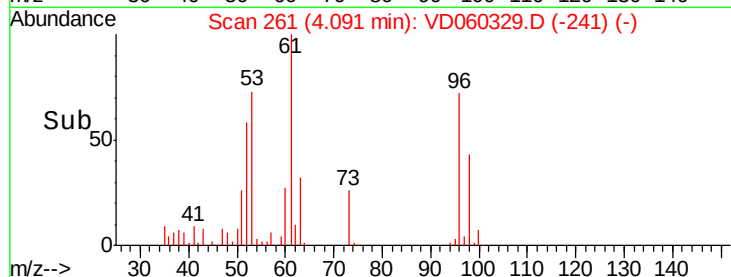
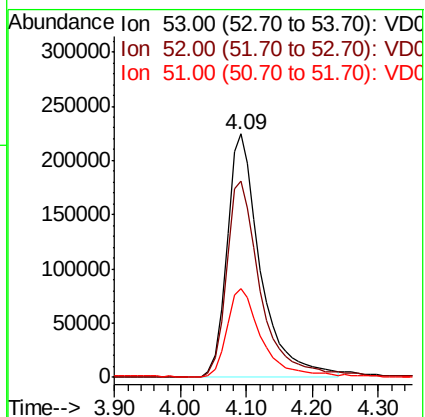
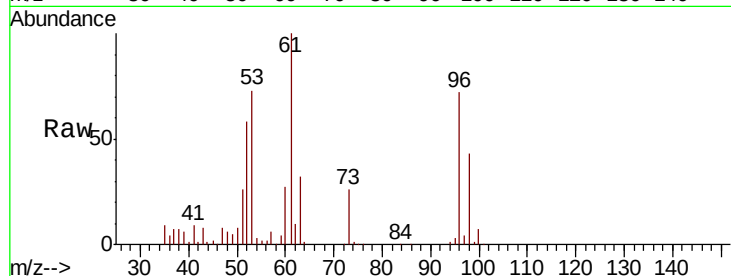
Tot Ion: 53 Resp: 797006

Ion Ratio Lower Upper

53 100

52 80.6 67.0 100.4

51 36.2 29.9 44.9



#16

Acetone

Concen: 298.673 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060329.D

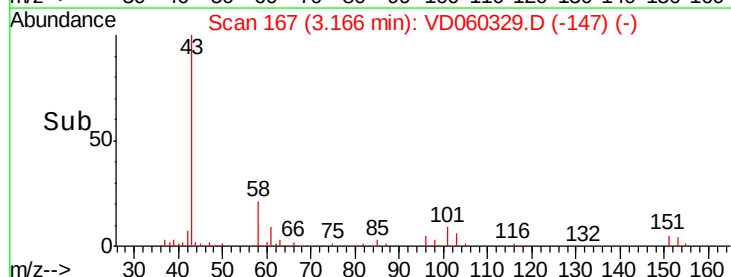
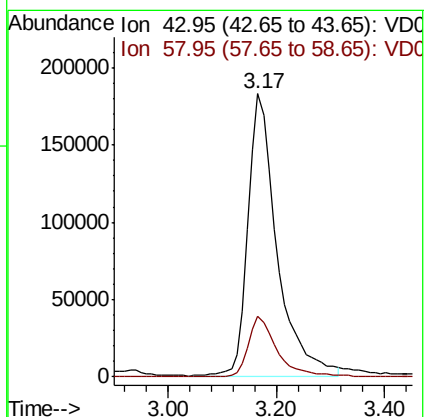
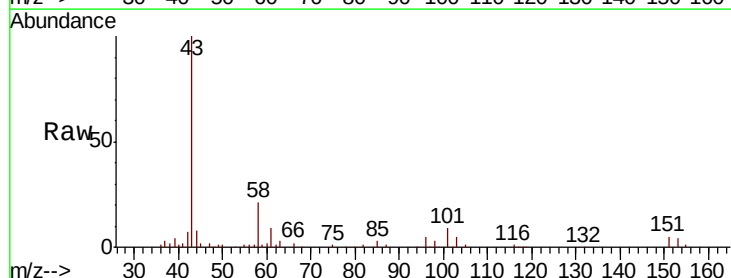
Acq: 12 Nov 2018 10:18

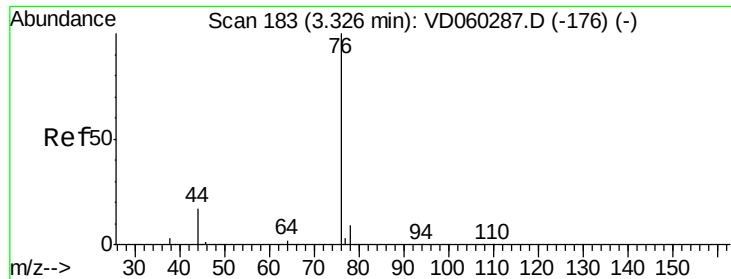
Tgt Ion: 43 Resp: 677971

Ion Ratio Lower Upper

43 100

58 21.3 16.9 25.3





#17

Carbon Disulfide

Concen: 53.438 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

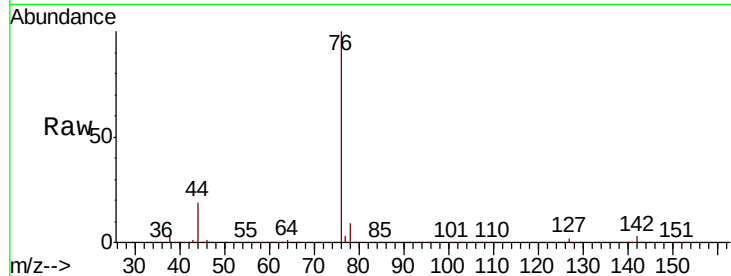
VSTDCCC050

Tot Ion: 76 Resp: 1538175

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

600000

500000

400000

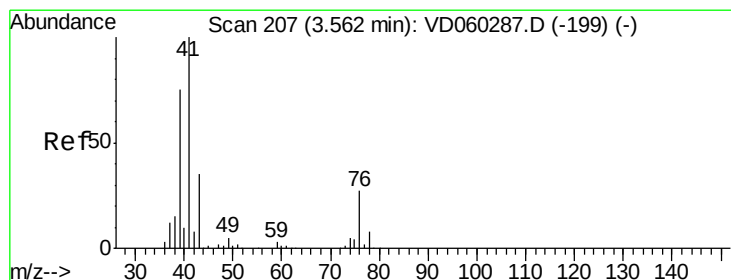
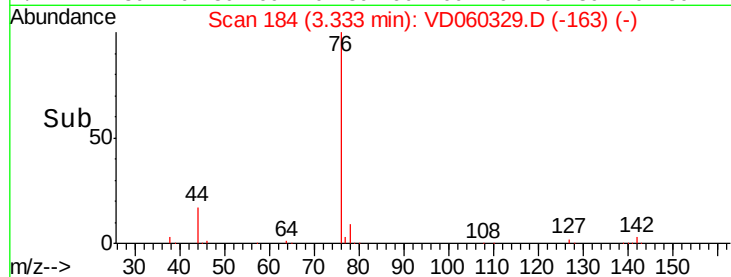
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.025 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060329.D

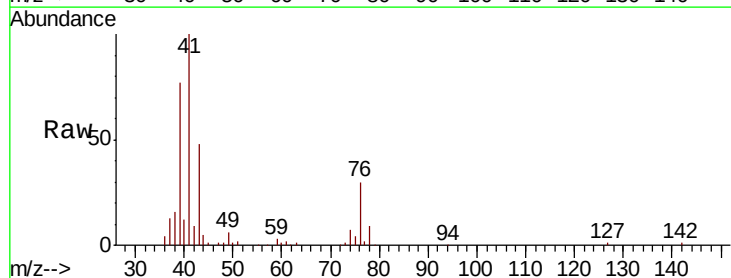
Acq: 12 Nov 2018 10:18

Tgt Ion: 43 Resp: 256644

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

3.57

80000

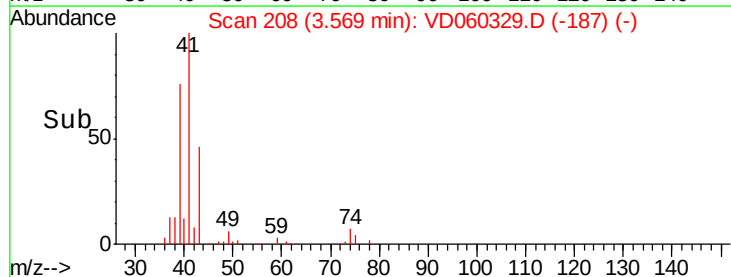
60000

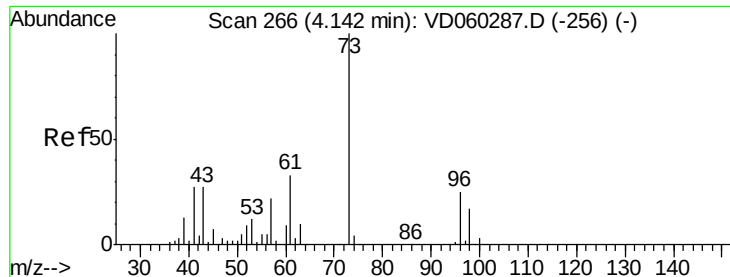
40000

20000

0

Time-->

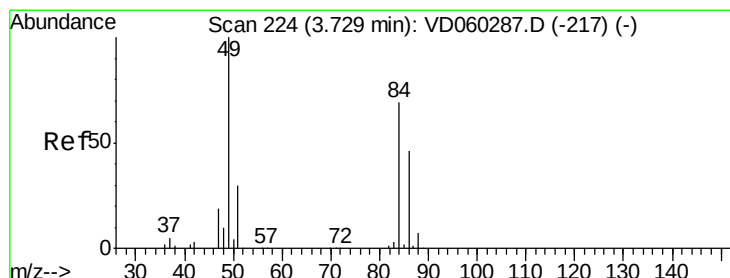
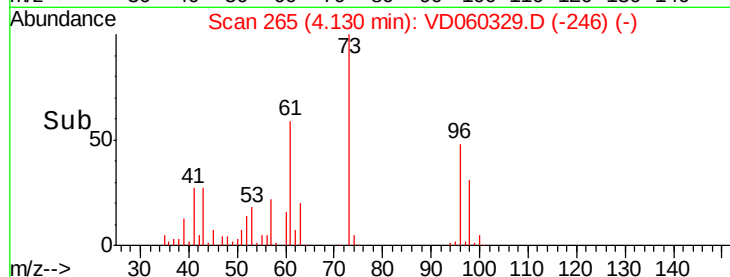
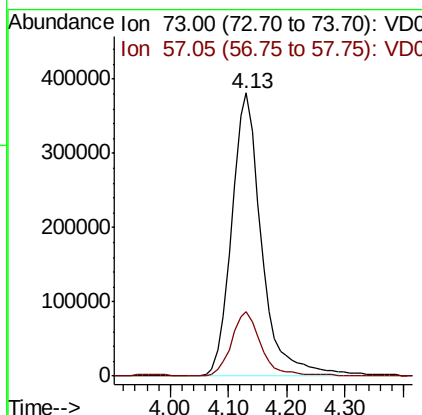
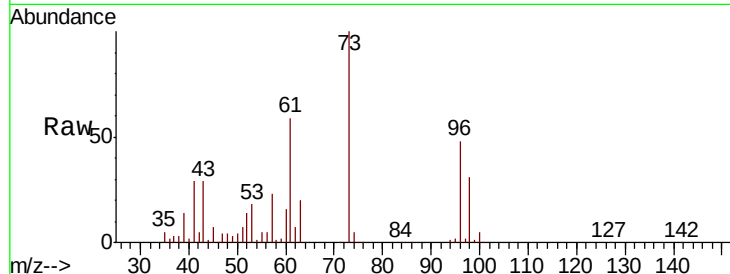




#19
Methyl tert-butyl Ether
Concen: 50.902 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

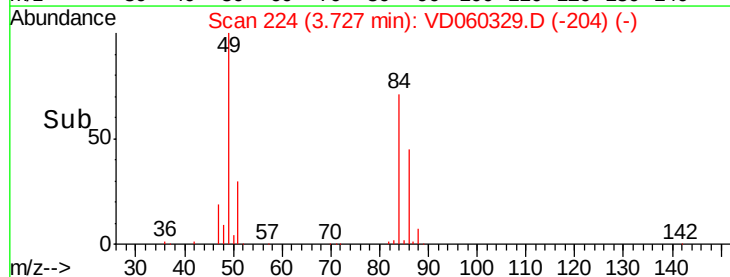
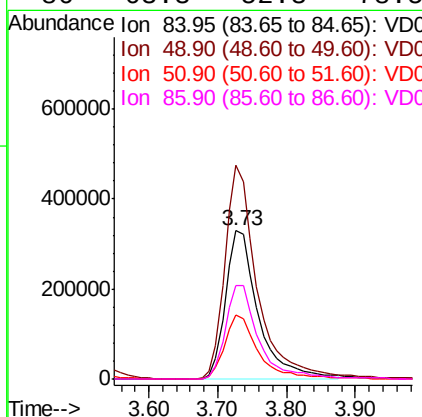
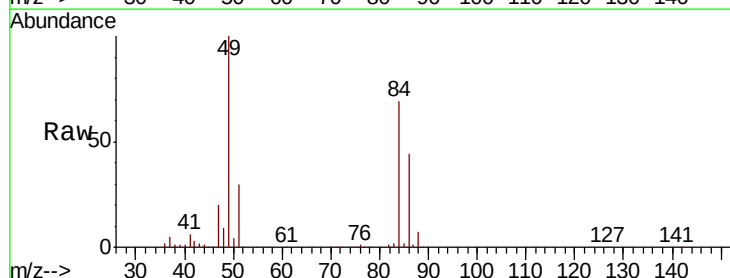
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

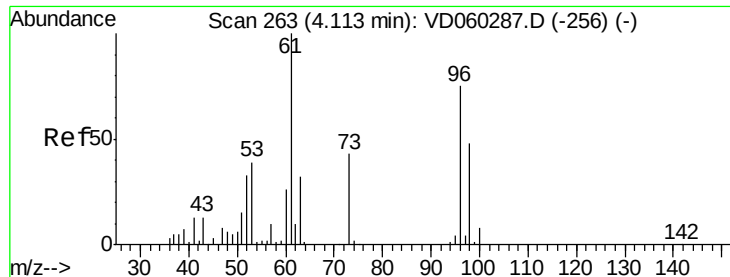
Tot Ion: 73 Resp: 1359227
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1



#20
Methylene Chloride
Concen: 54.080 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 84 Resp: 1088970
Ion Ratio Lower Upper
84 100
49 144.0 115.6 173.4
51 43.2 35.6 53.4
86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 54.104 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

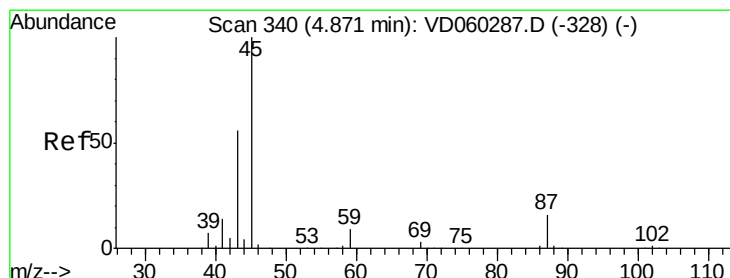
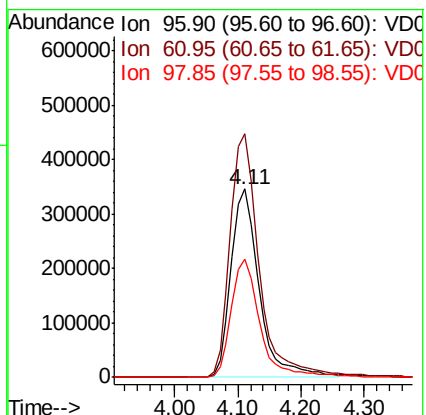
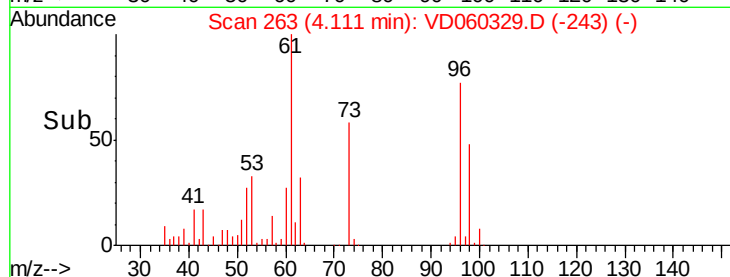
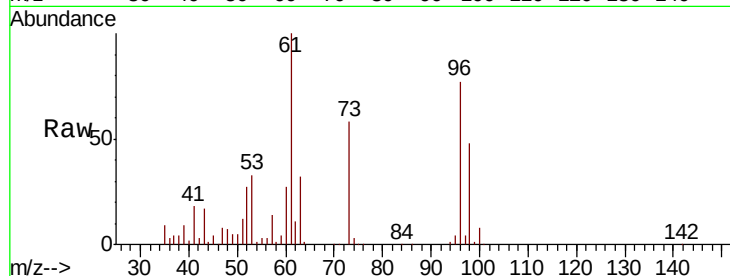
Tot Ion: 96 Resp: 1071283

Ion Ratio Lower Upper

96 100

61 129.5 105.8 158.6

98 62.8 50.8 76.2



#22

Diisopropyl ether

Concen: 53.105 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Tgt Ion: 45 Resp: 3385383

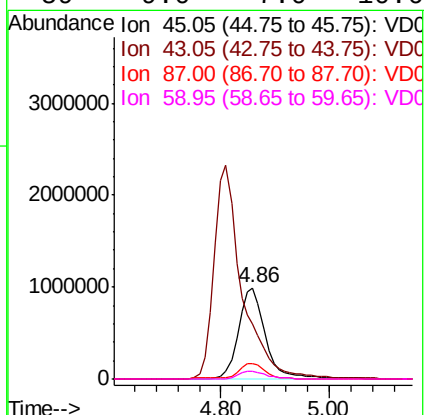
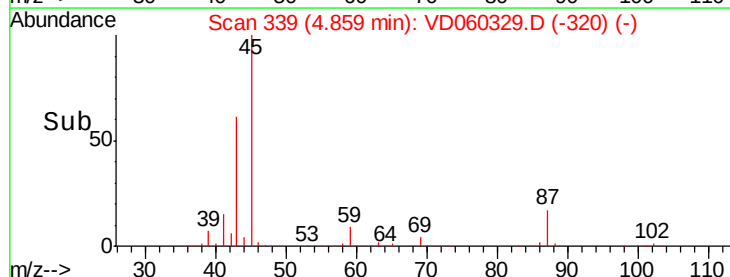
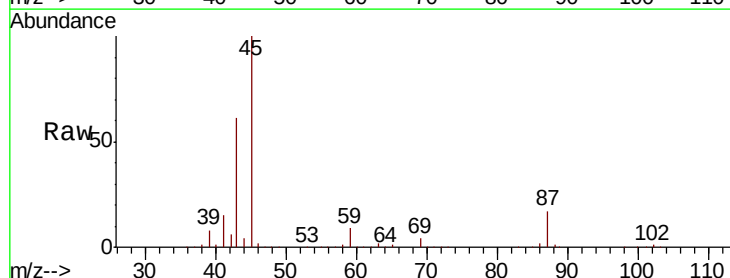
Ion Ratio Lower Upper

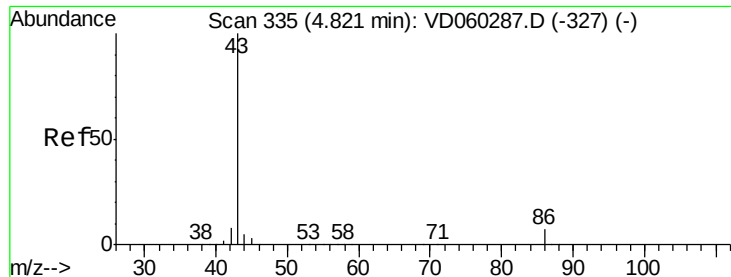
45 100

43 61.1 44.9 67.3

87 17.2 13.9 20.9

59 9.0 7.0 10.6





#23

Vinyl Acetate

Concen: 261.016 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleID :

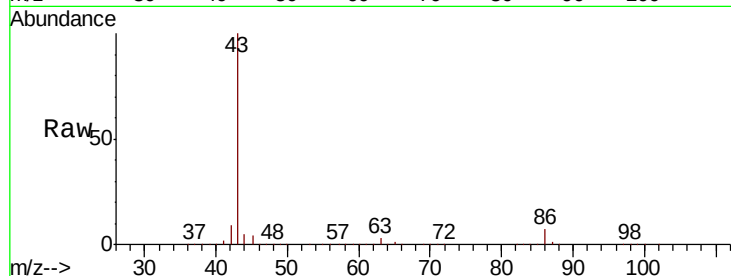
VSTDCCC050

Tot Ion: 43 Resp: 8279479

Ion Ratio Lower Upper

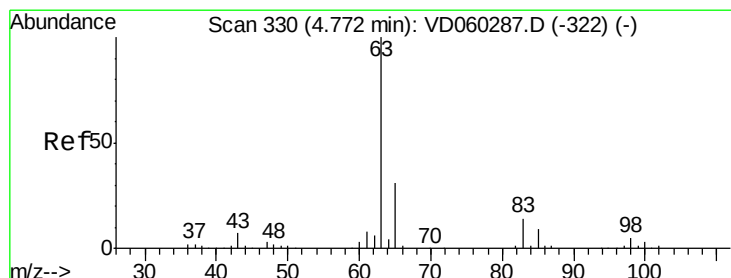
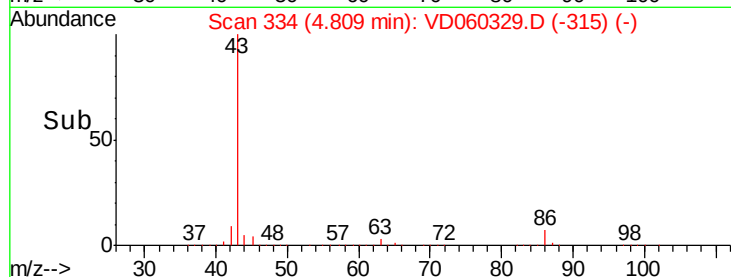
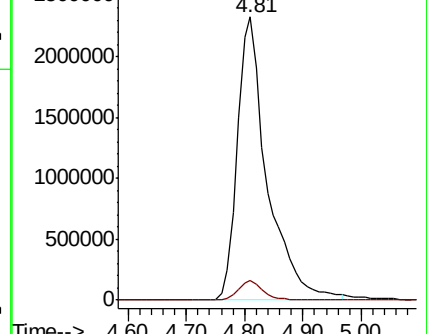
43 100

86 7.0 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.823 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

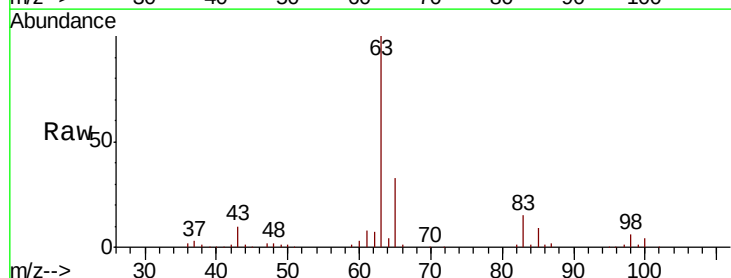
Tgt Ion: 63 Resp: 1759483

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

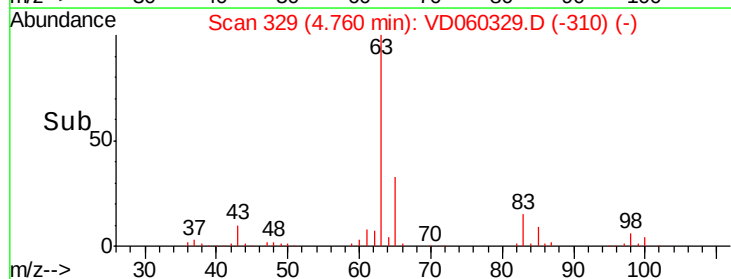
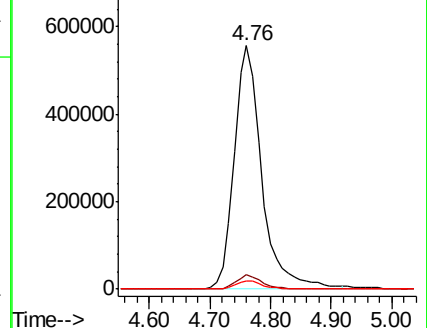
100 3.6 1.8 5.5

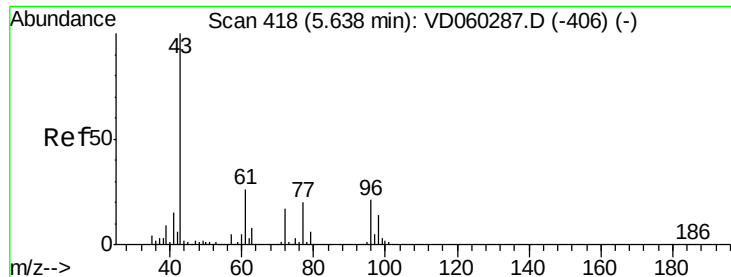


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 266.856 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

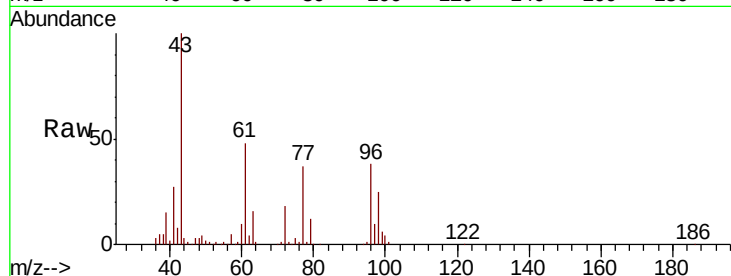
VSTDCCC050

Tot Ion: 43 Resp: 1259086

Ion Ratio Lower Upper

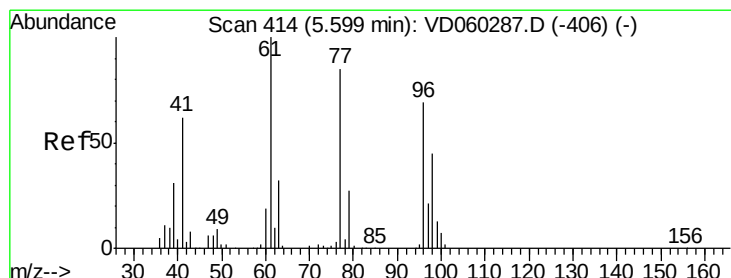
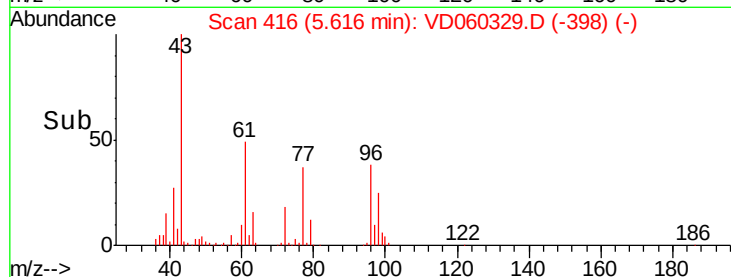
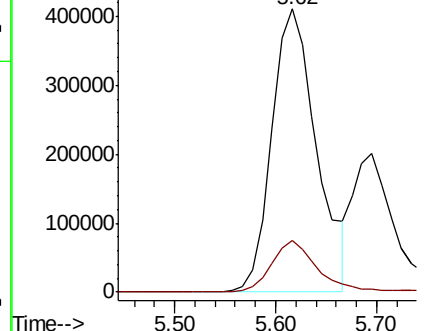
43 100

72 18.2 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: 57.237 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060329.D

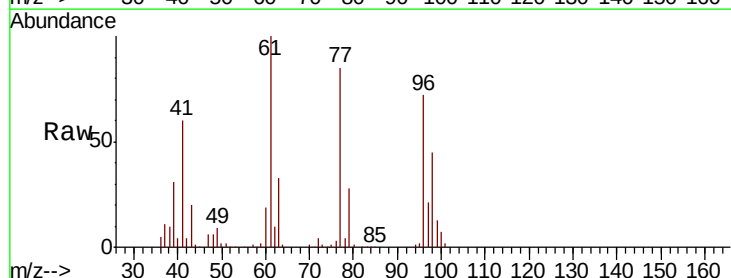
Acq: 12 Nov 2018 10:18

Tgt Ion: 77 Resp: 1454684

Ion Ratio Lower Upper

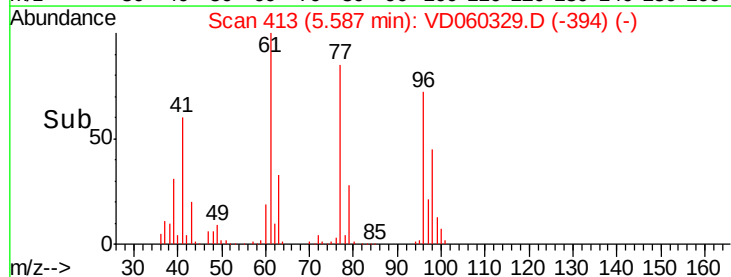
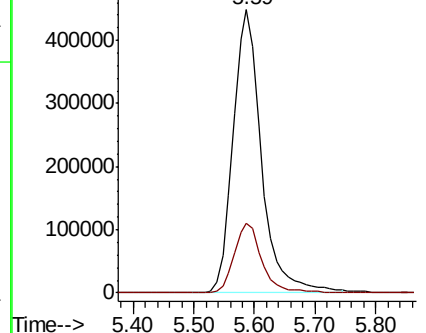
77 100

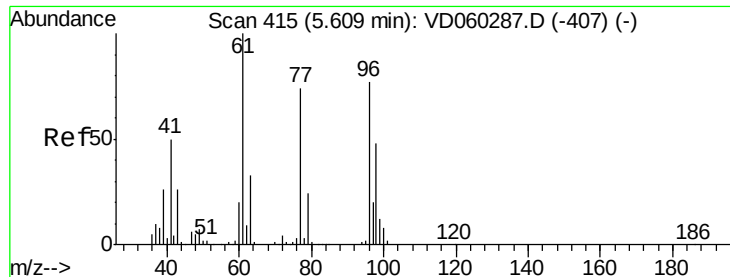
97 24.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



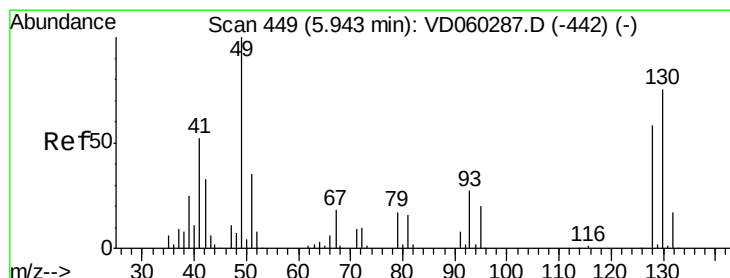
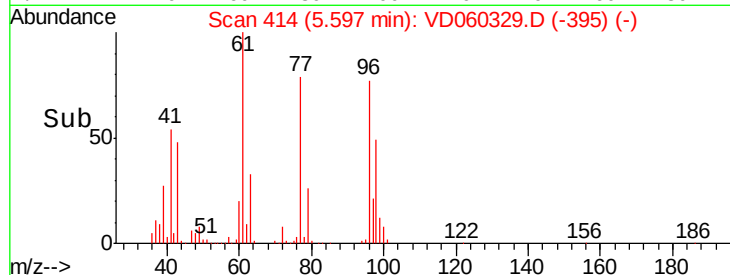
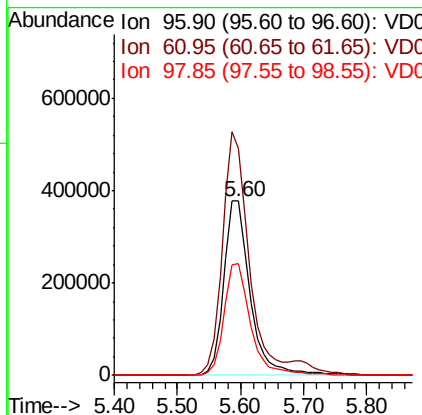
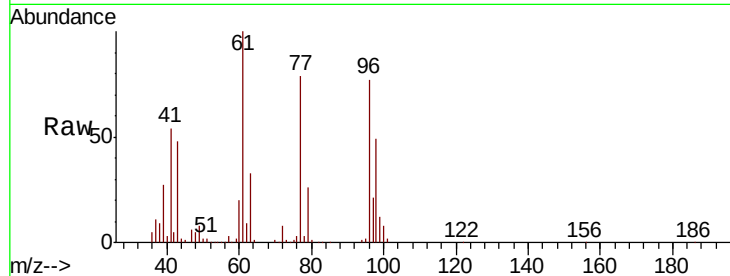


#27

cis-1,2-Dichloroethene
 Concen: 53.051 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

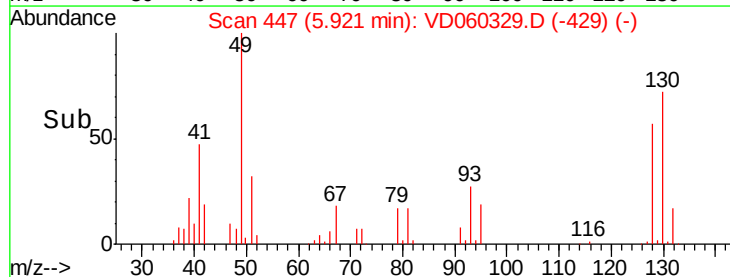
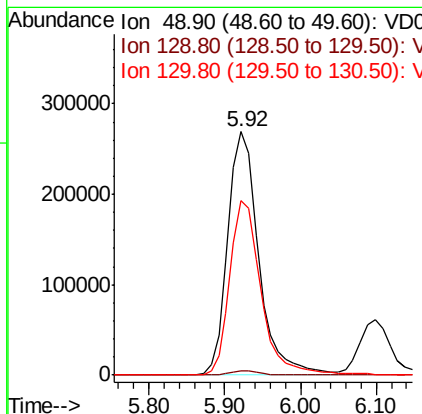
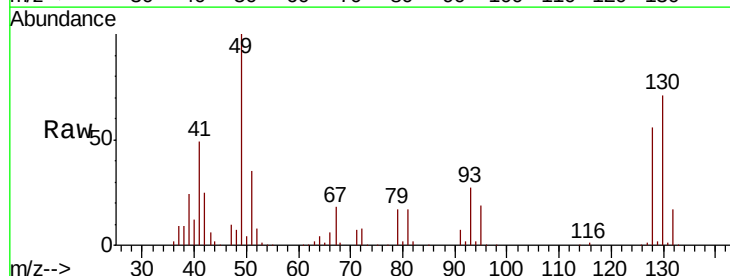
Tot Ion: 96 Resp: 1094330
 Ion Ratio Lower Upper
 96 100
 61 130.4 0.0 259.0
 98 64.2 0.0 128.8

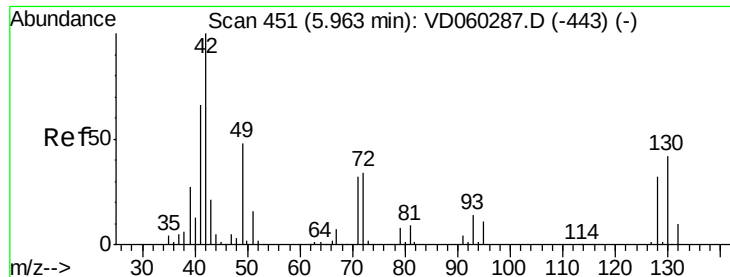


#28

Bromochloromethane
 Concen: 53.069 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 49 Resp: 765464
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.8
 130 71.4 53.6 80.4





#29

Tetrahydrofuran

Concen: 243.624 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

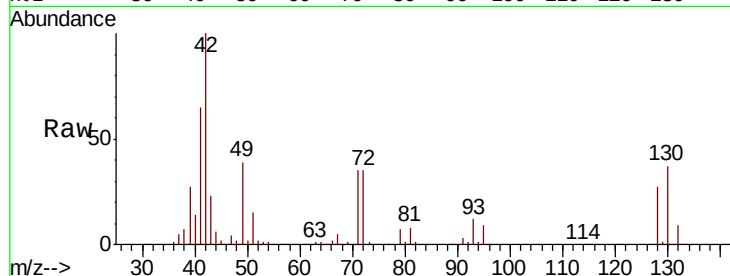
Tot Ion: 42 Resp: 606034

Ion Ratio Lower Upper

42 100

72 35.5 27.6 41.4

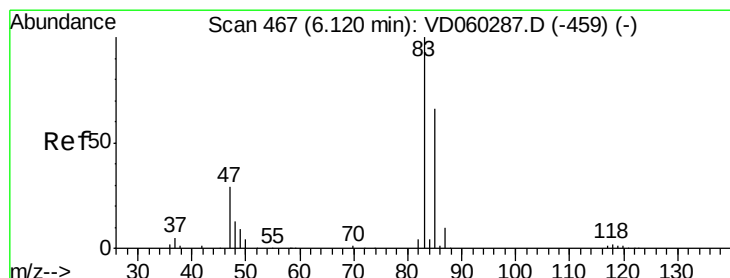
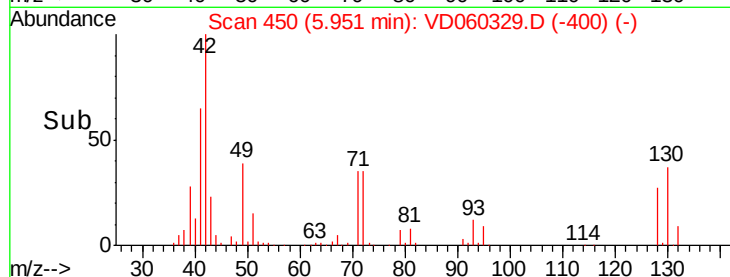
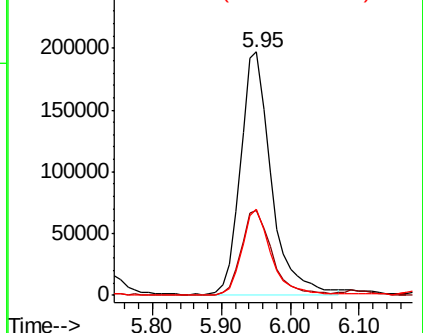
71 34.2 26.5 39.7



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 54.893 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD060329.D

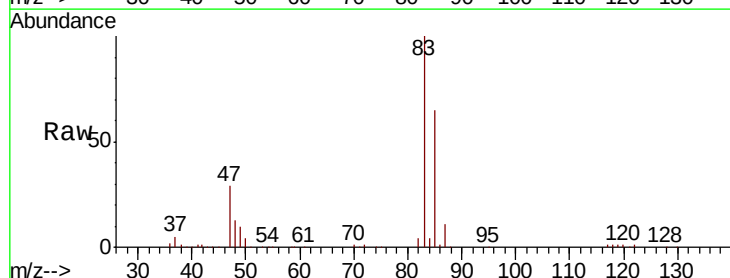
Acq: 12 Nov 2018 10:18

Tgt Ion: 83 Resp: 1793922

Ion Ratio Lower Upper

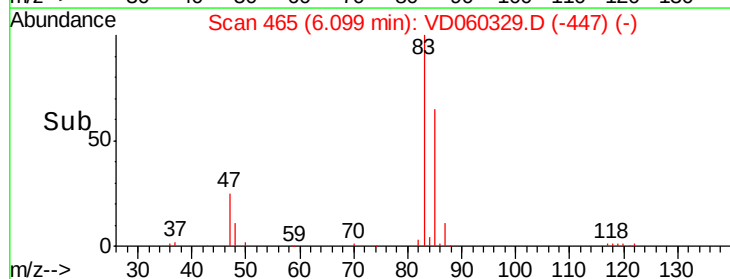
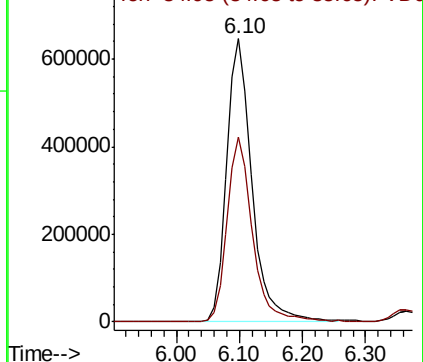
83 100

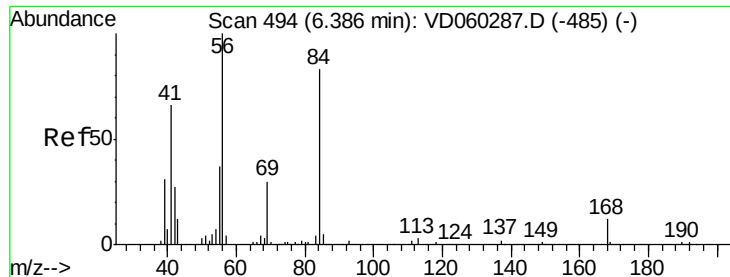
85 65.4 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

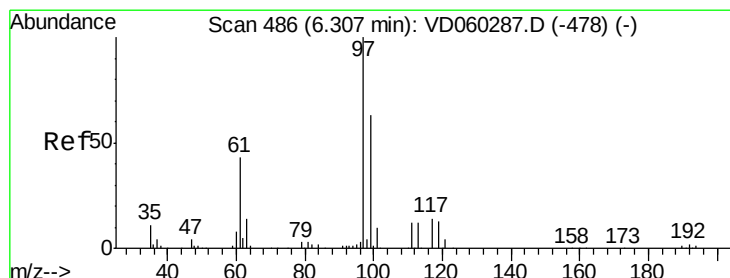
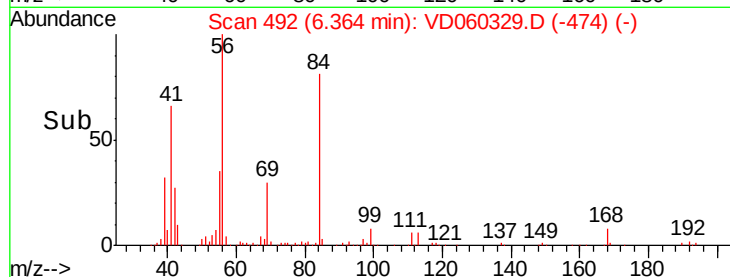
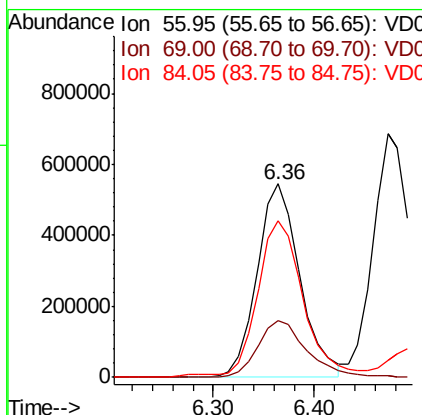
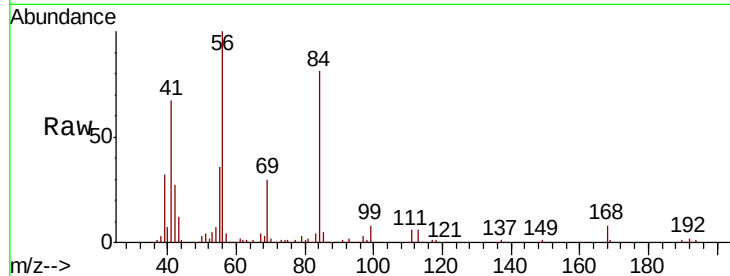




#31
Cyclohexane
Concen: 51.328 ug/l
RT: 6.36 min Scan# 492
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

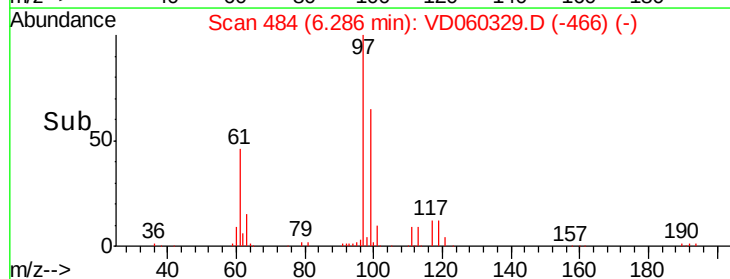
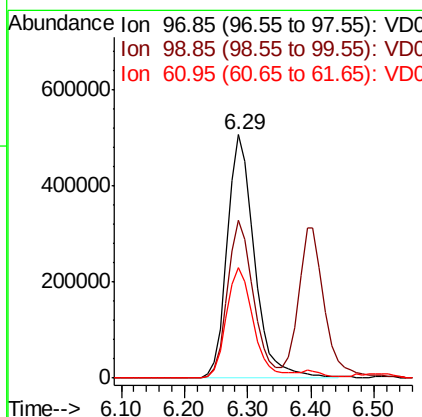
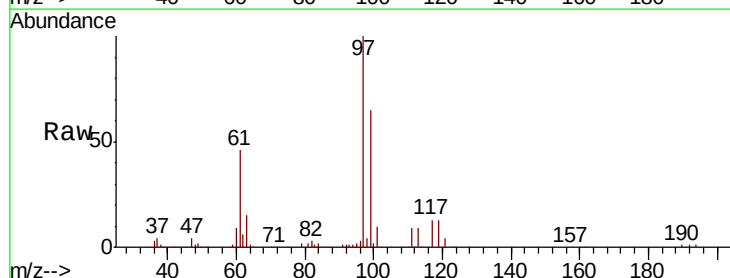
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

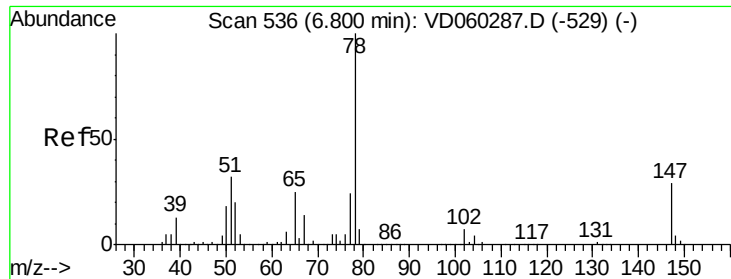
Tot Ion: 56 Resp: 1603712
Ion Ratio Lower Upper
56 100
69 29.6 22.2 33.2
84 80.8 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 54.839 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 97 Resp: 1509603
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 45.6 35.8 53.8

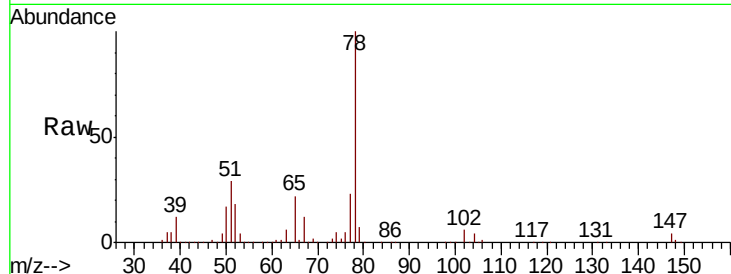




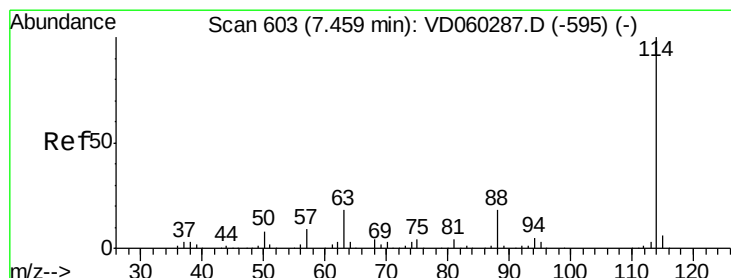
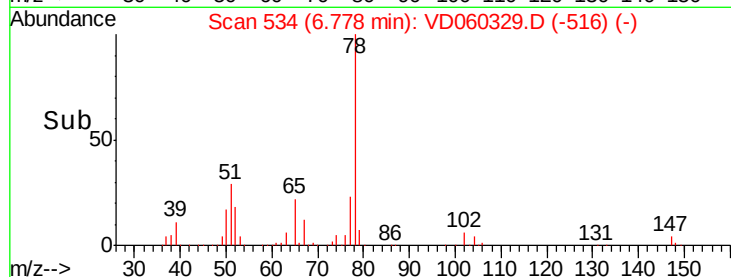
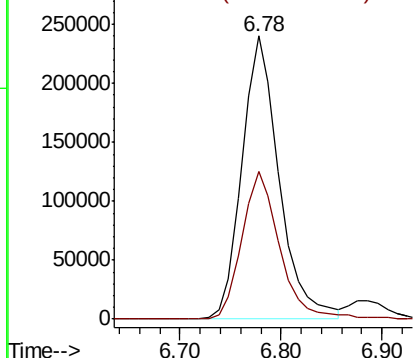
#33
 1,2-Dichloroethane-d4
 Concen: 54.839 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 617221
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.8

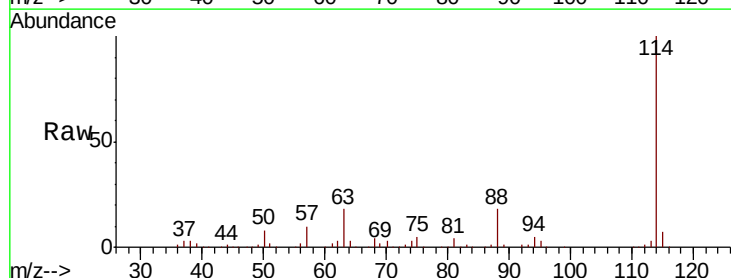


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

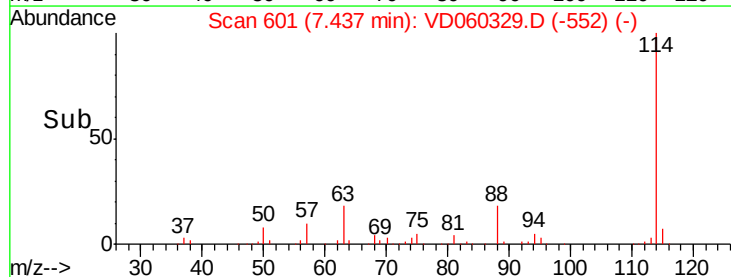
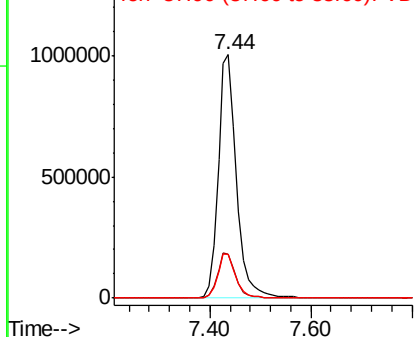


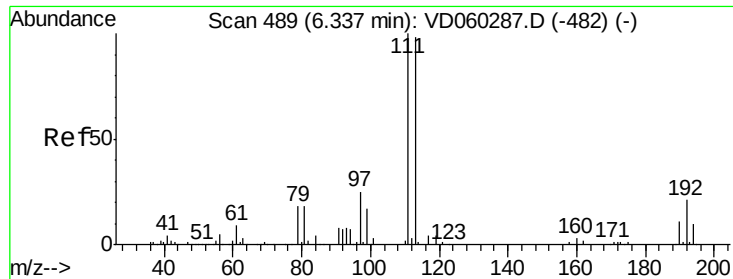
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion:114 Resp: 2537911
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 18.2 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

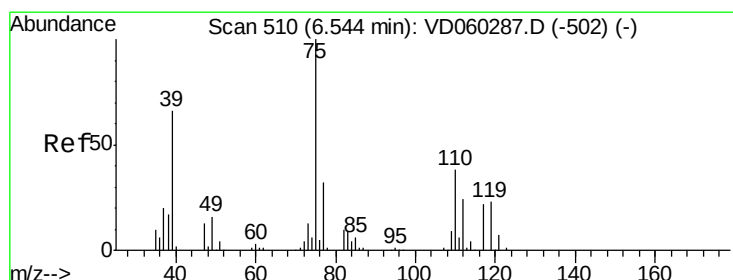
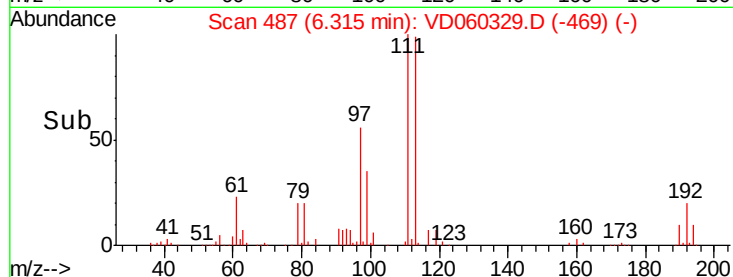
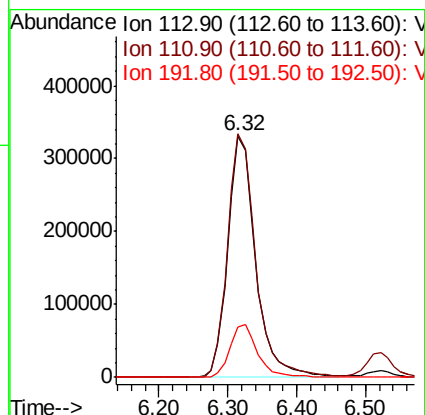
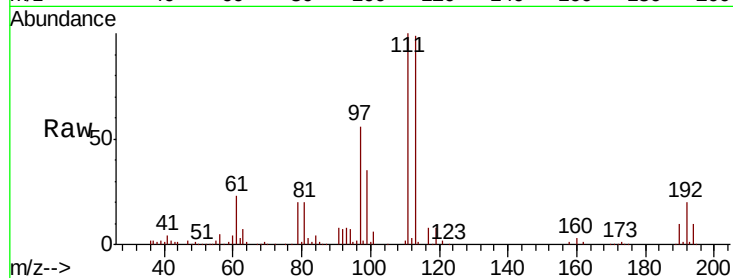




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

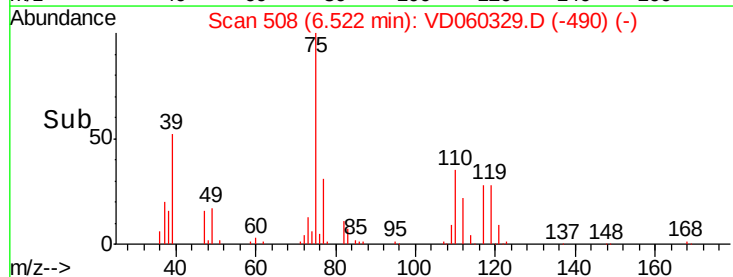
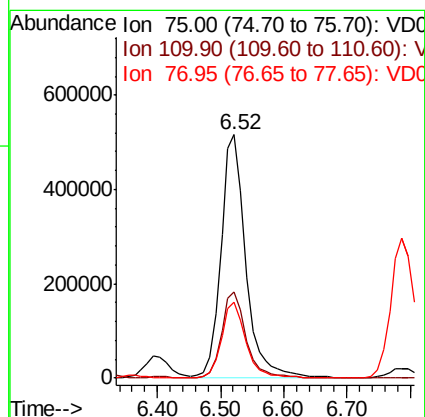
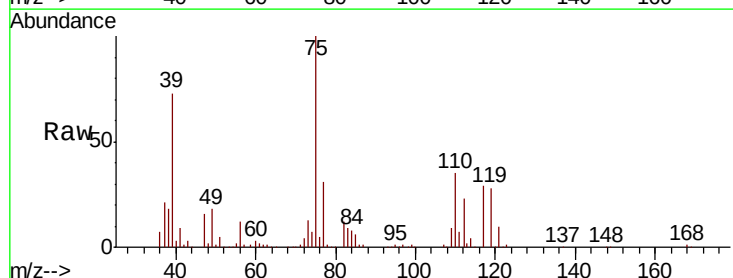
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

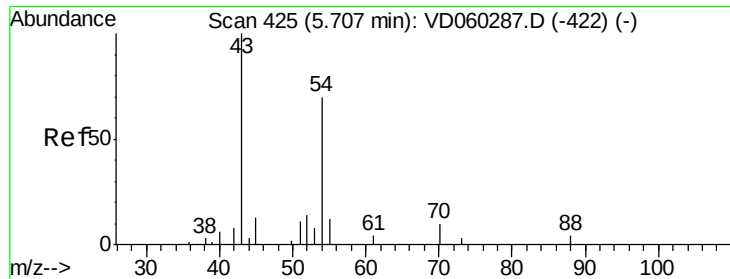
Tot Ion:113 Resp: 929325
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.6 122.4
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 55.665 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 75 Resp: 1395712
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.0 54.0
 77 31.2 25.6 38.4

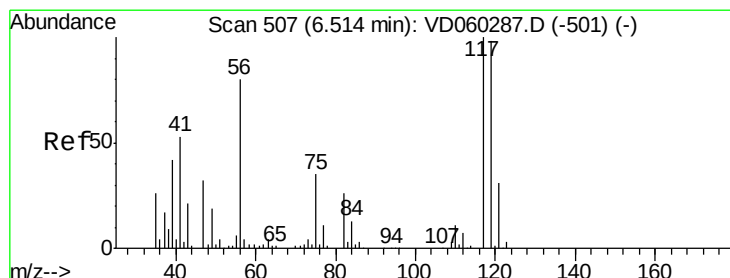
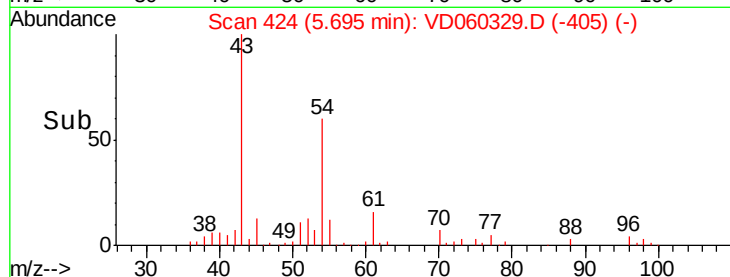
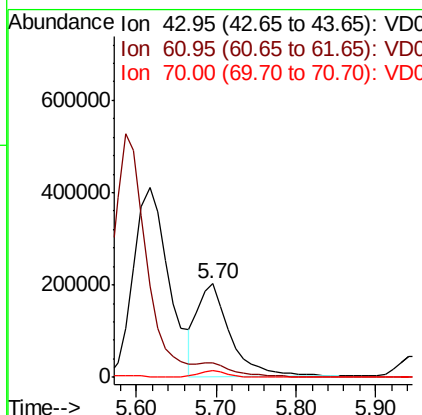
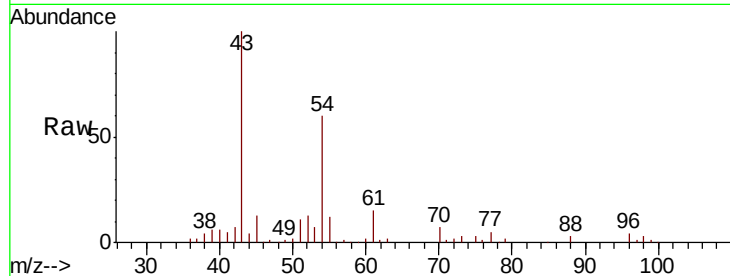




#37
Ethyl Acetate
Concen: 49.481 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

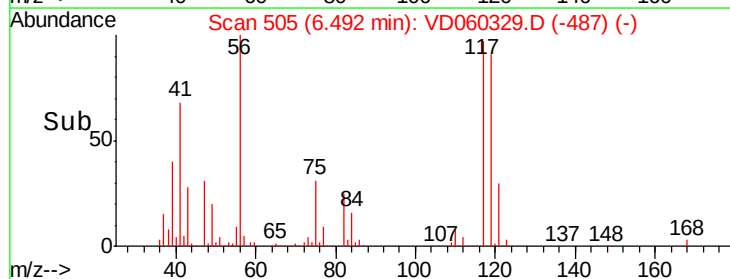
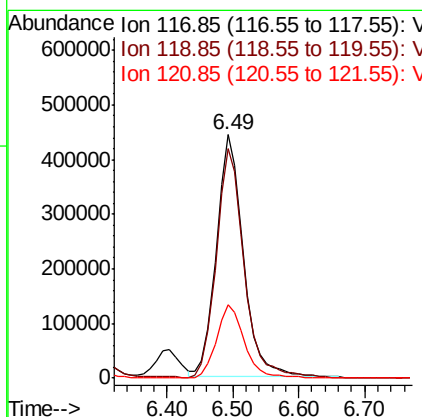
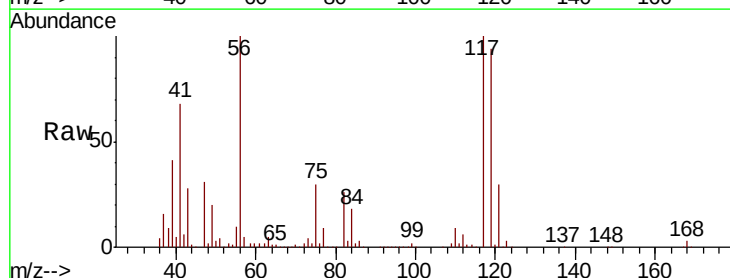
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

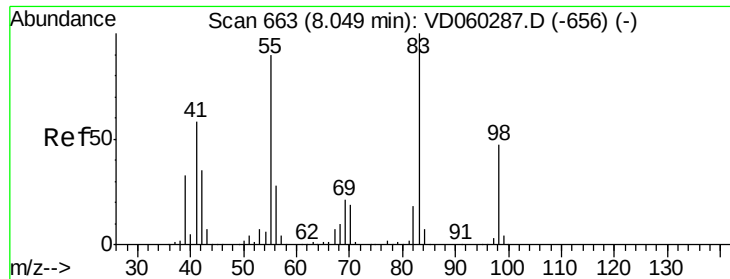
Tot Ion: 43 Resp: 570900
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 7.1 6.2 9.4



#38
Carbon Tetrachloride
Concen: 54.454 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 117 Resp: 1266545
Ion Ratio Lower Upper
117 100
119 94.0 76.6 115.0
121 30.4 24.3 36.5

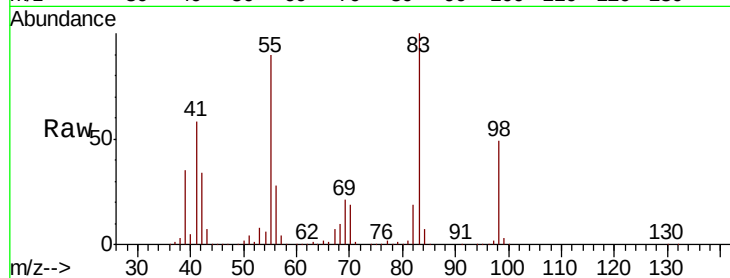




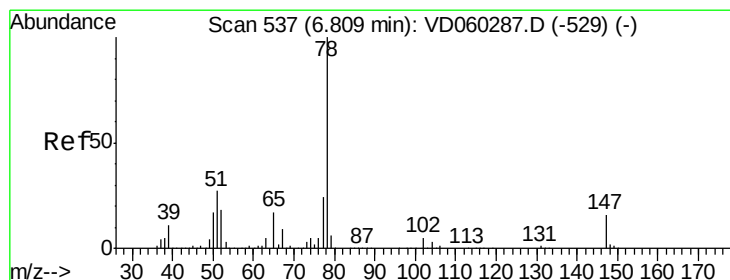
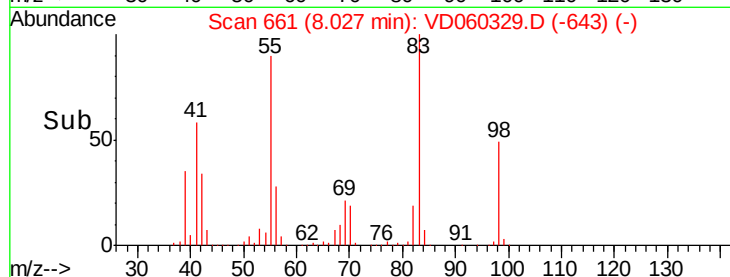
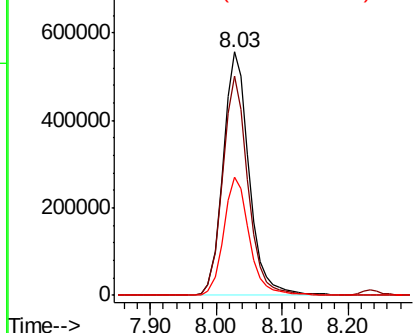
#39
Methylvlcyclohexane
Concen: 53.205 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1534357
Ion Ratio Lower Upper
83 100
55 89.9 71.2 106.8
98 48.6 38.4 57.6

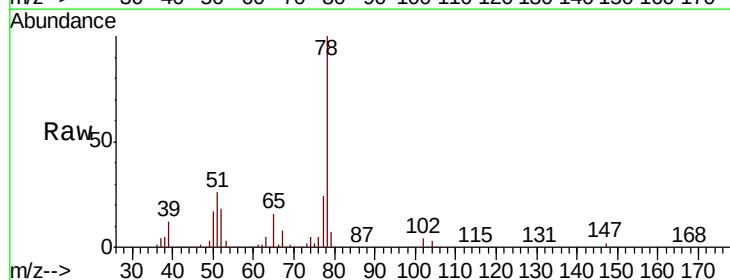


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

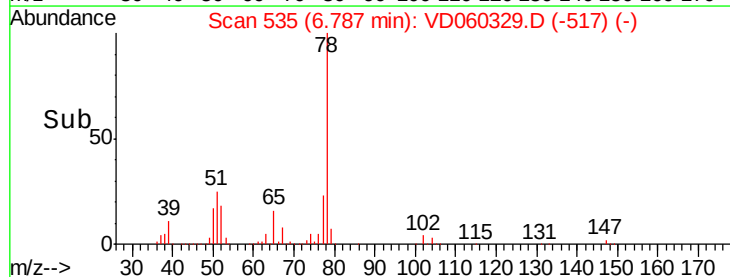
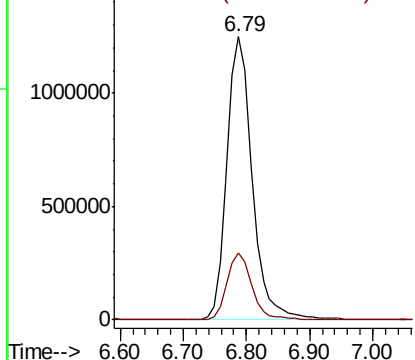


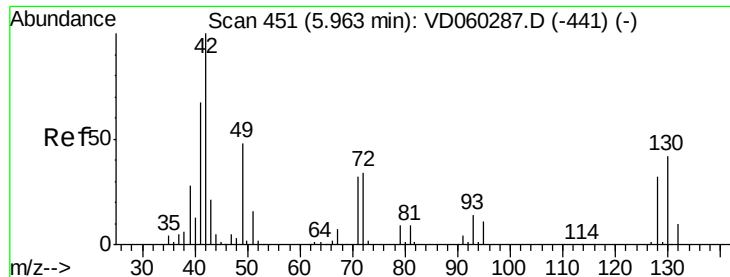
#40
Benzene
Concen: 54.298 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 78 Resp: 3475200
Ion Ratio Lower Upper
78 100
77 23.8 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: 49.932 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 659375

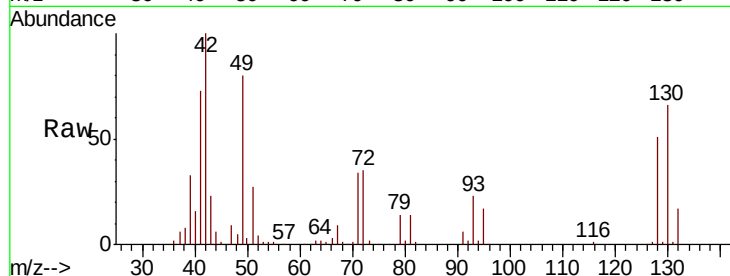
Ion Ratio Lower Upper

41 100

39 45.1 36.2 54.2

67 12.8 11.9 17.9

52 6.0 5.2 7.8

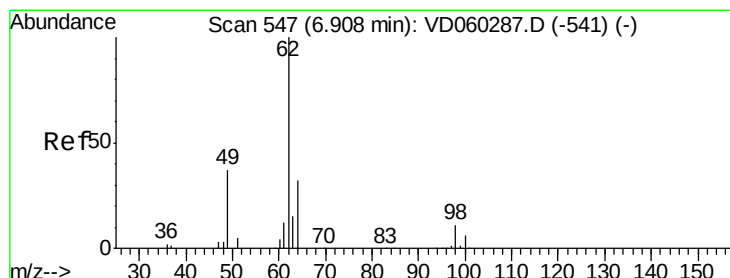
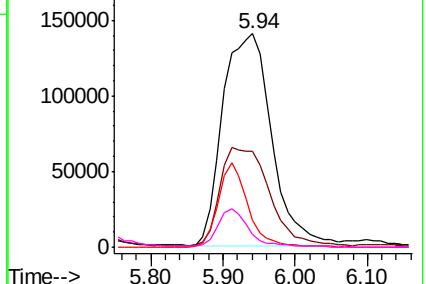
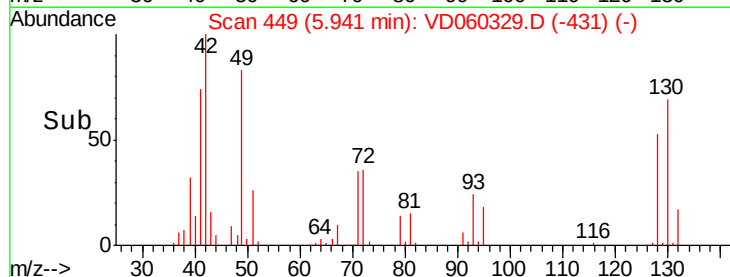


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.525 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD060329.D

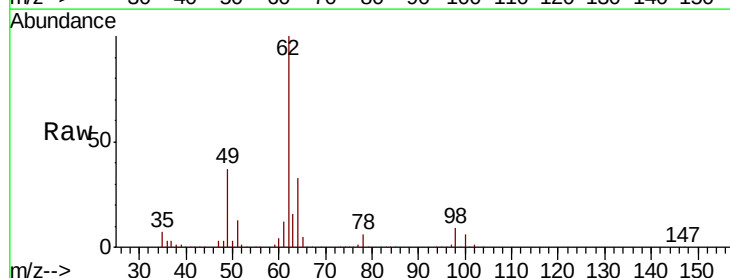
Acq: 12 Nov 2018 10:18

Tgt Ion: 62 Resp: 879920

Ion Ratio Lower Upper

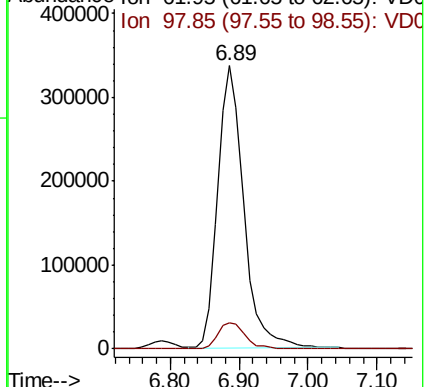
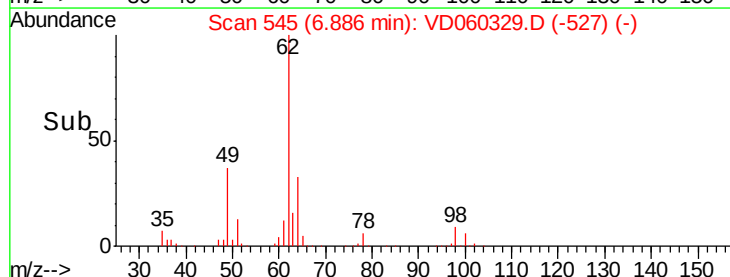
62 100

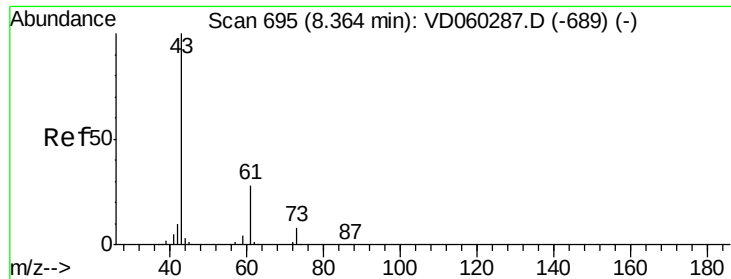
98 9.4 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.440 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.03 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

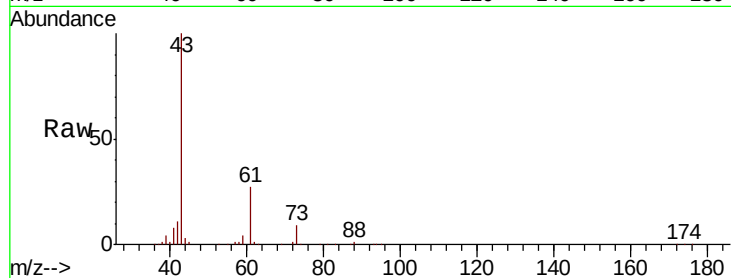
Tot Ion: 43 Resp: 745509

Ion Ratio Lower Upper

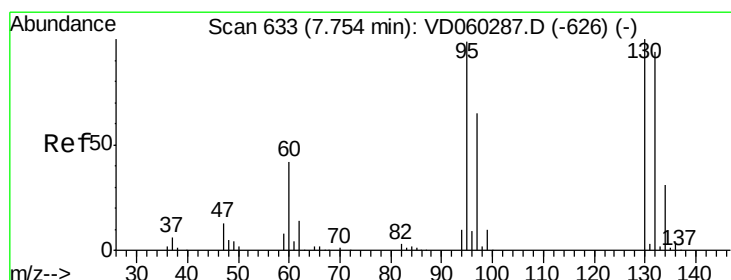
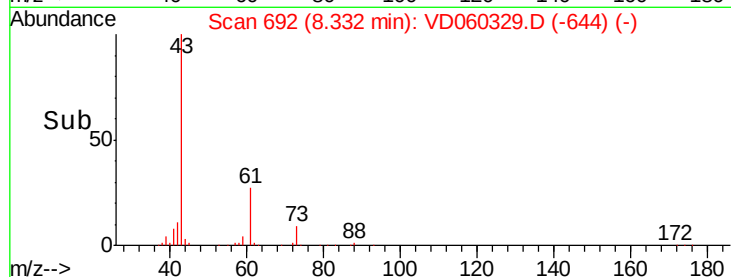
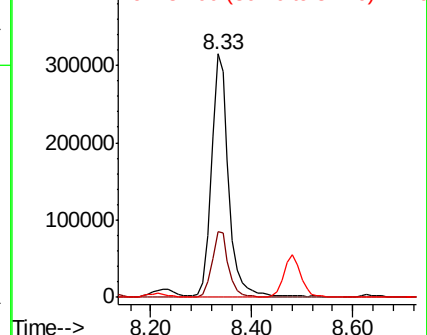
43 100

61 27.0 22.3 33.5

87 0.2 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: 55.570 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060329.D

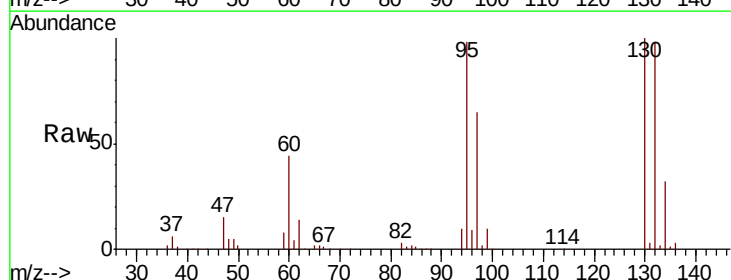
Acq: 12 Nov 2018 10:18

Tgt Ion:130 Resp: 1078142

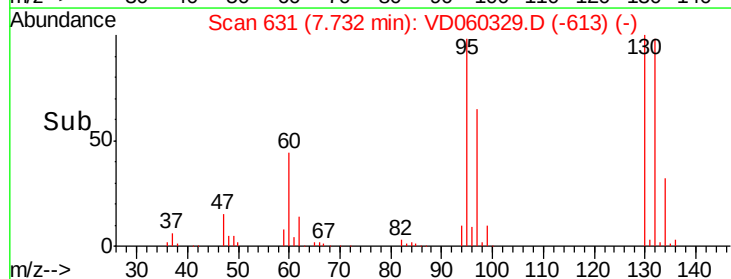
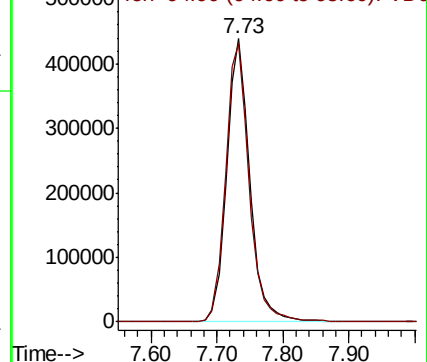
Ion Ratio Lower Upper

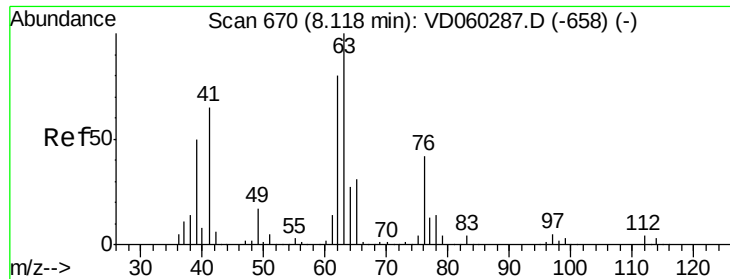
130 100

95 98.4 0.0 200.0



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

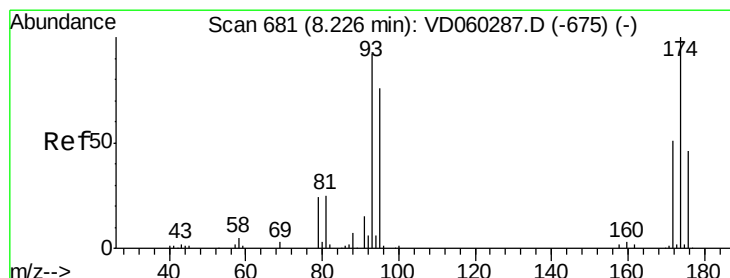
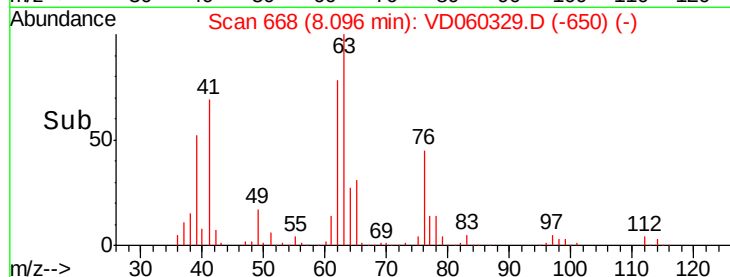
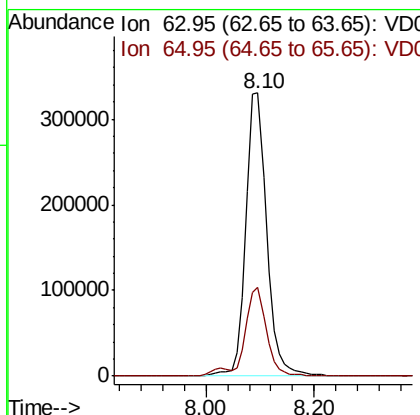
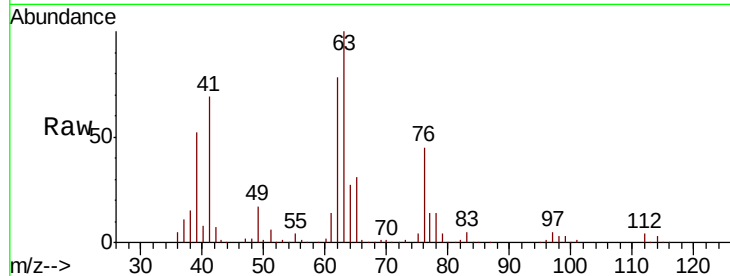




#45
 1,2-Dichloropropane
 Concen: 54.661 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

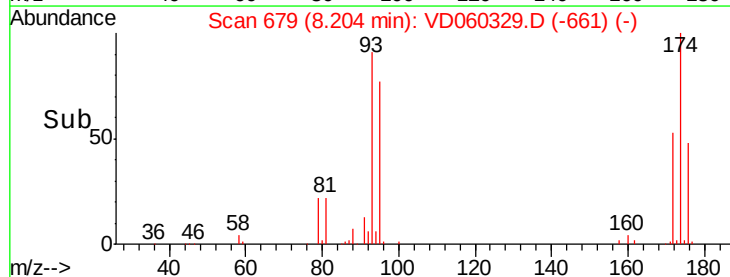
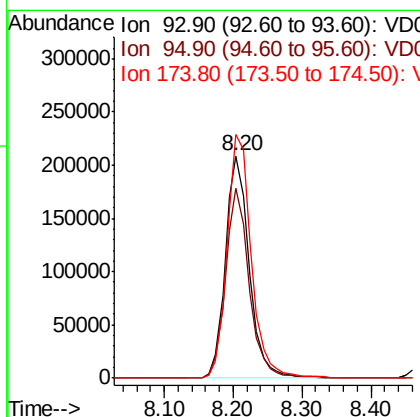
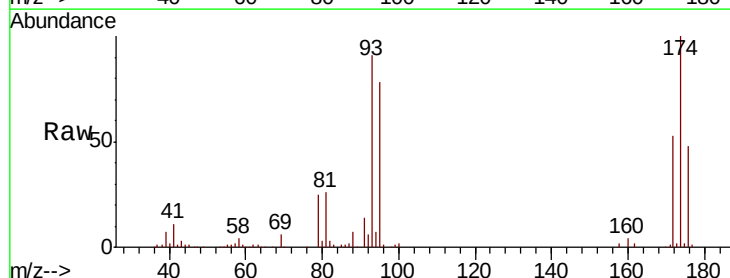
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

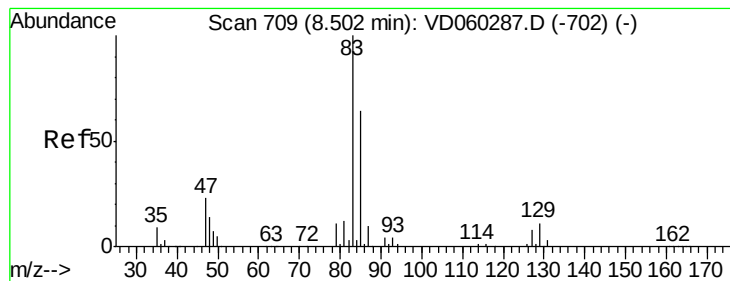
Tot Ion: 63 Resp: 882318
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.2



#46
 Dibromomethane
 Concen: 52.646 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 93 Resp: 497705
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.4 99.6
 174 109.5 87.8 131.8





#47

Bromodichloromethane

Concen: 55.316 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

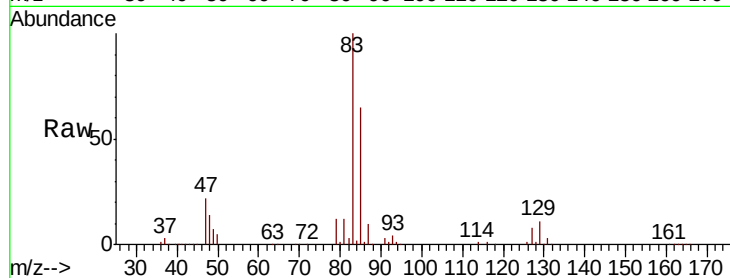
Tot Ion: 83 Resp: 1232315

Ion Ratio Lower Upper

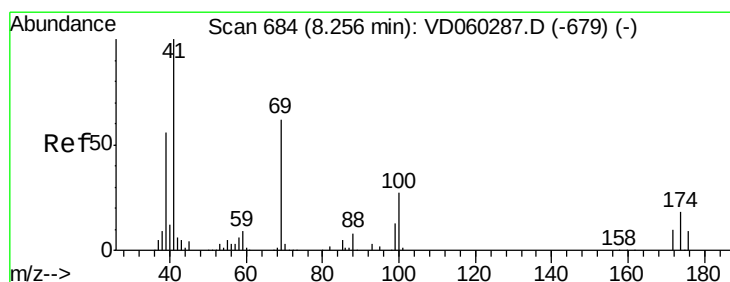
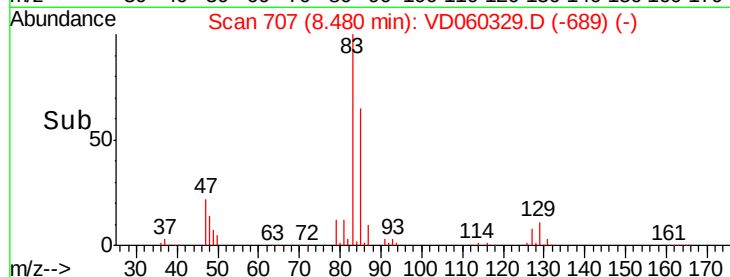
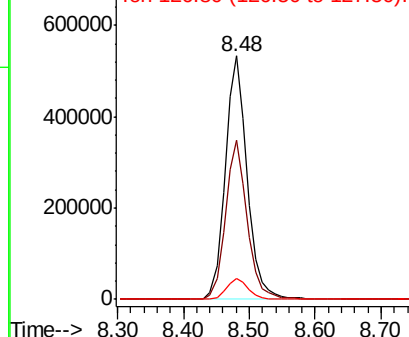
83 100

85 65.3 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: 51.741 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

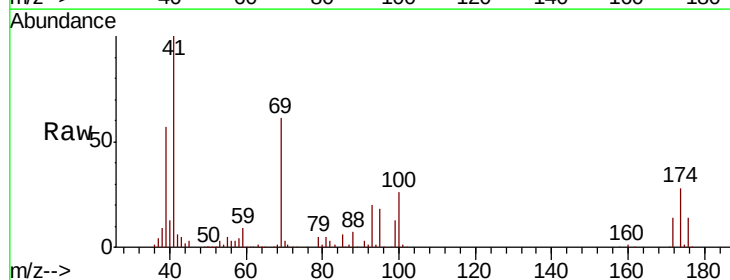
Tgt Ion: 41 Resp: 455491

Ion Ratio Lower Upper

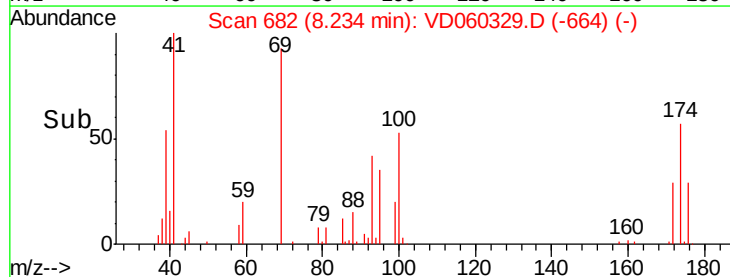
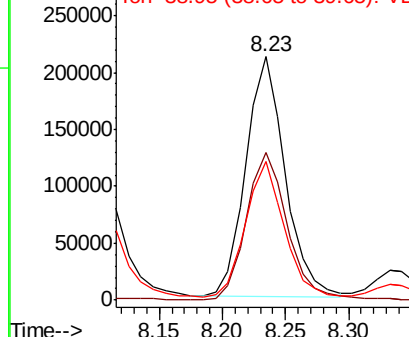
41 100

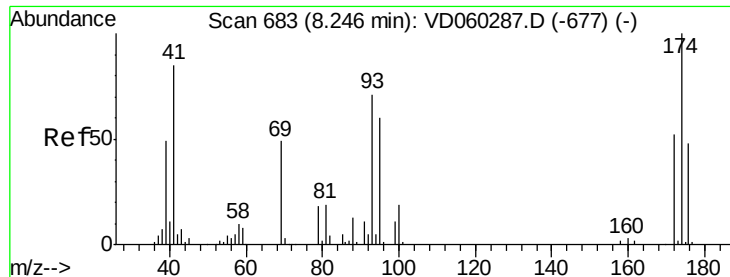
69 60.8 47.0 70.4

39 57.0 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

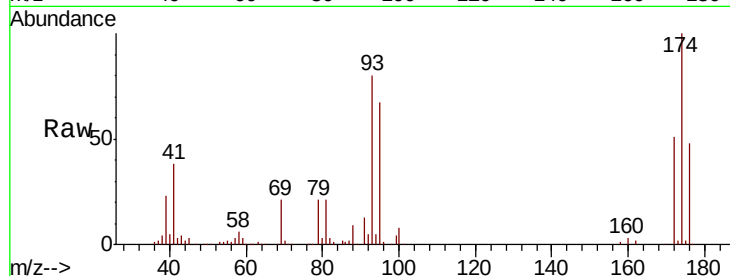




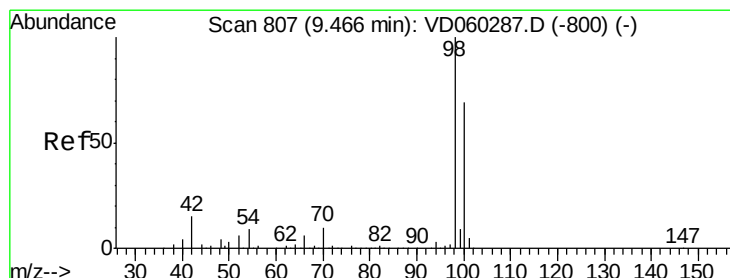
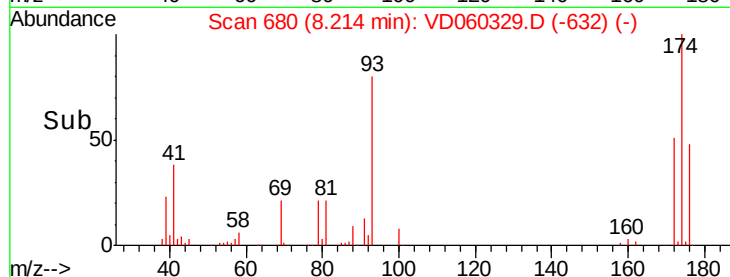
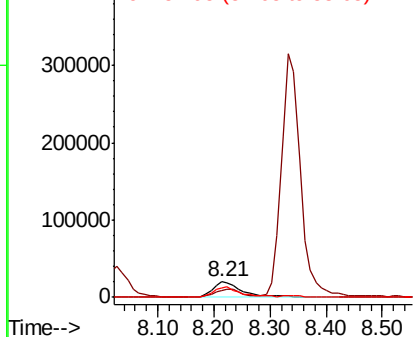
#49
1,4-Dioxane
Concen: 1002.233 ug/l
RT: 8.21 min Scan# 680
Delta R.T. -0.03 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 76339
Ion Ratio Lower Upper
88 100
43 48.0 39.7 59.5
58 62.6 60.2 90.2

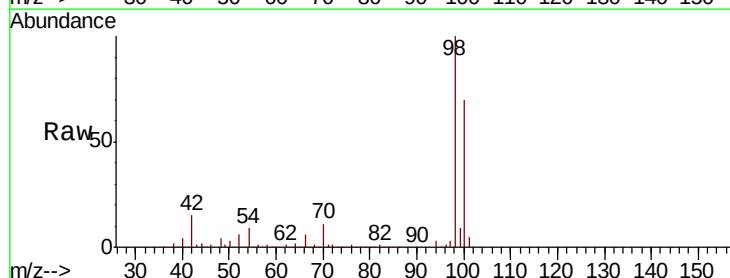


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

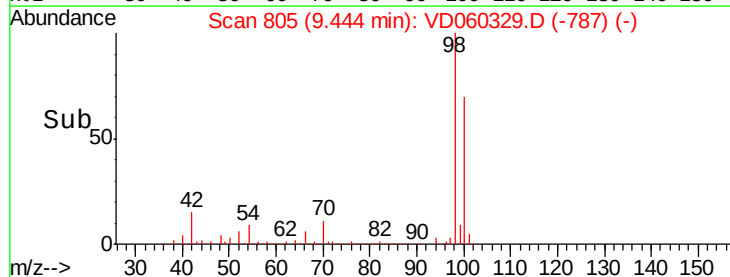
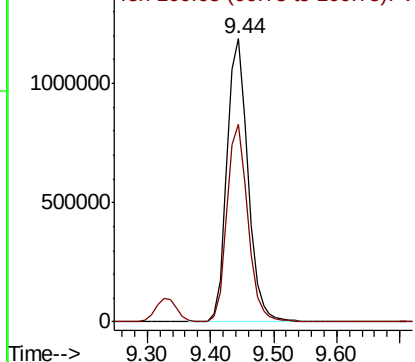


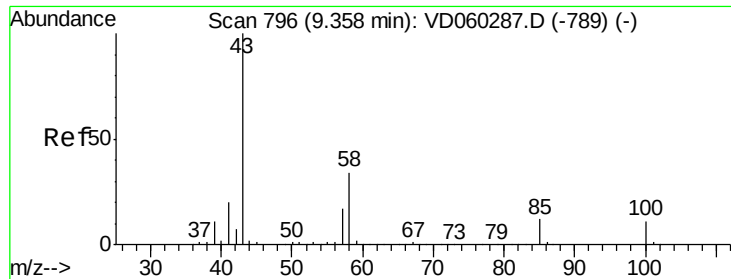
#50
Toluene-d8
Concen: 1002.233 ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 98 Resp: 2724877
Ion Ratio Lower Upper
98 100
100 69.9 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: 245.563 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

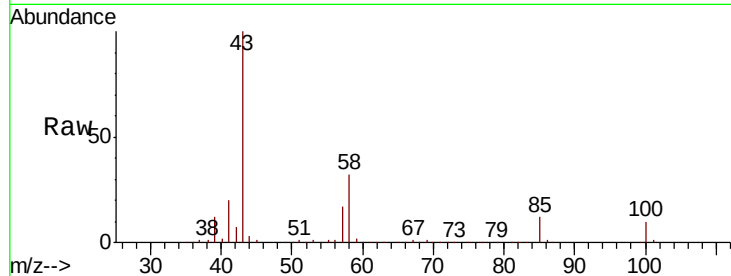
VSTDCCC050

Tot Ion: 43 Resp: 2316370

Ion Ratio Lower Upper

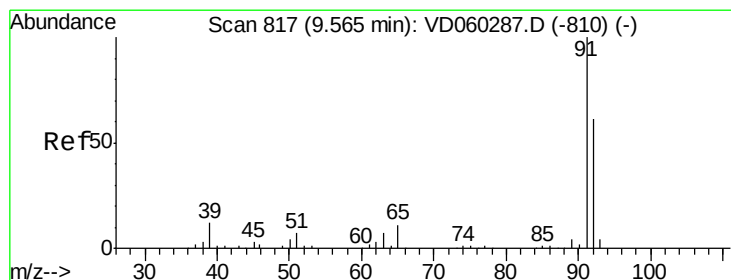
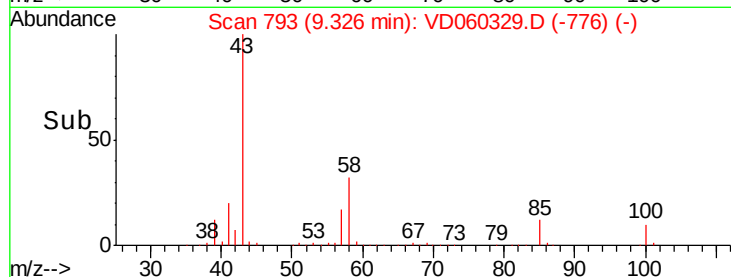
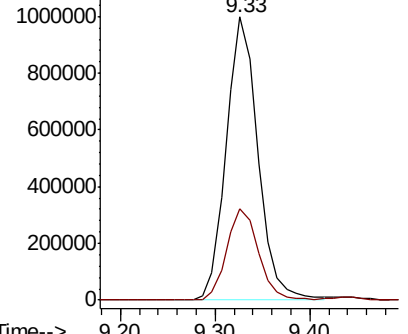
43 100

58 32.2 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: 54.154 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060329.D

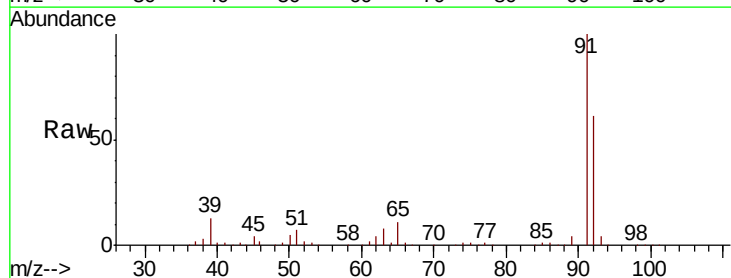
Acq: 12 Nov 2018 10:18

Tgt Ion: 92 Resp: 2214021

Ion Ratio Lower Upper

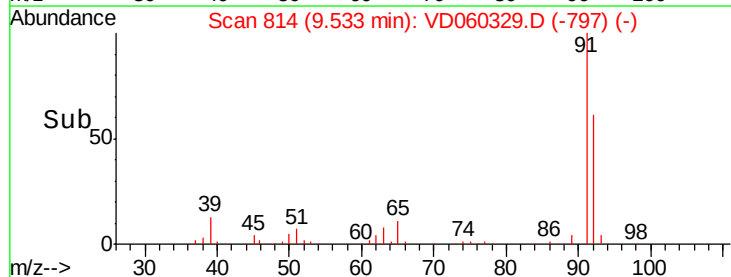
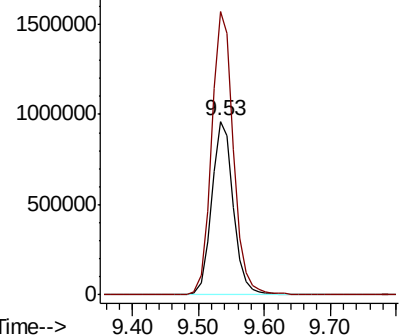
92 100

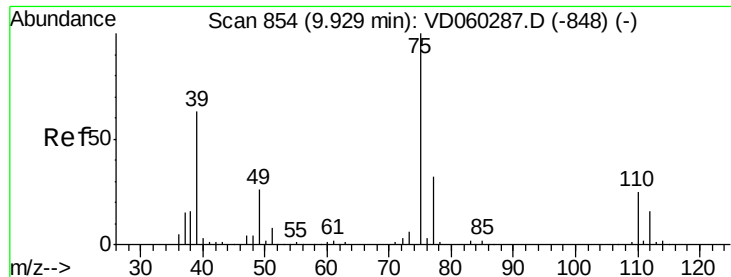
91 163.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

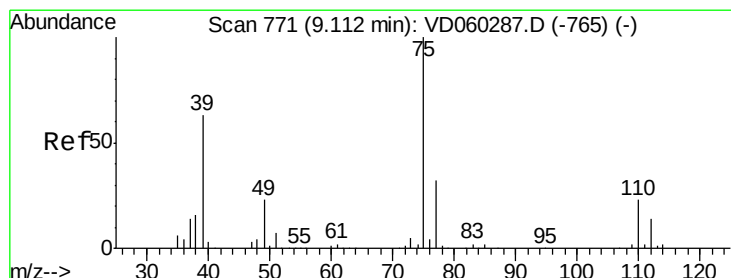
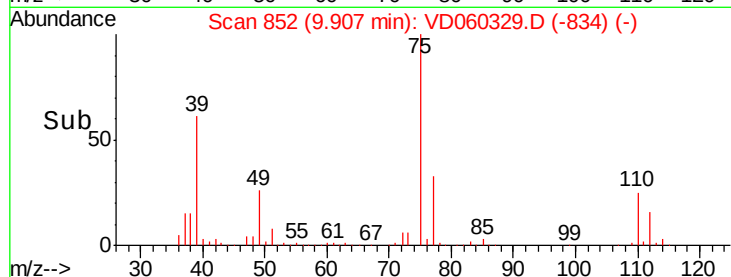
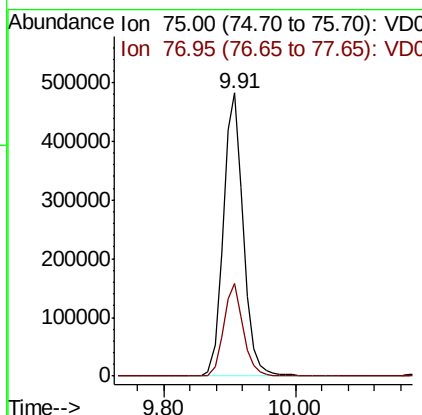
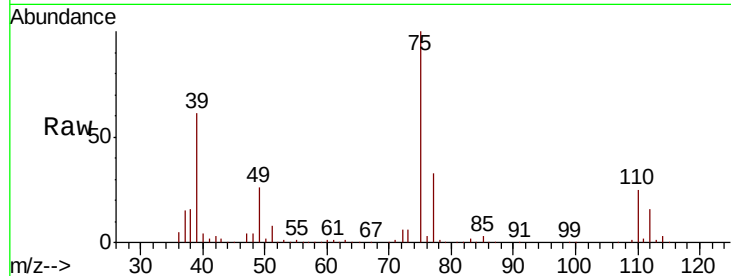




#53
 t-1,3-Dichloropropene
 Concen: 53.938 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

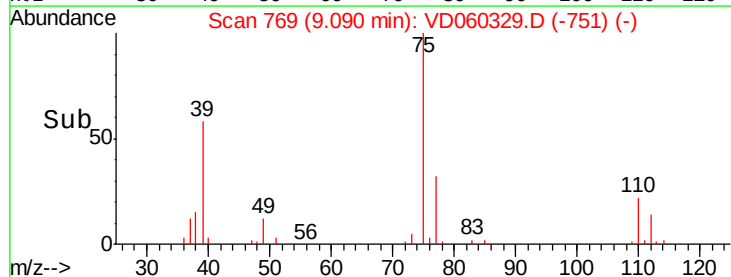
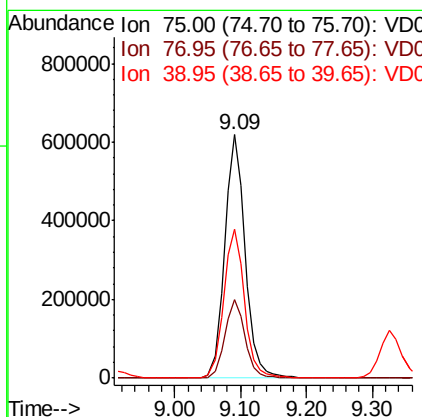
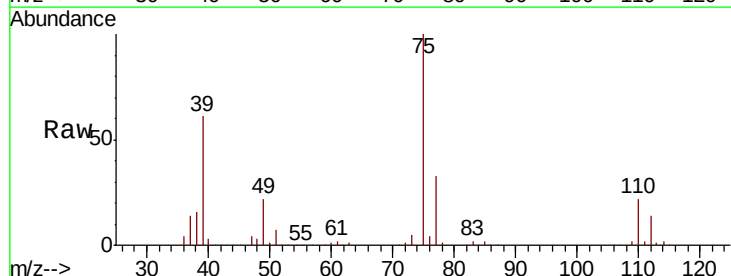
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

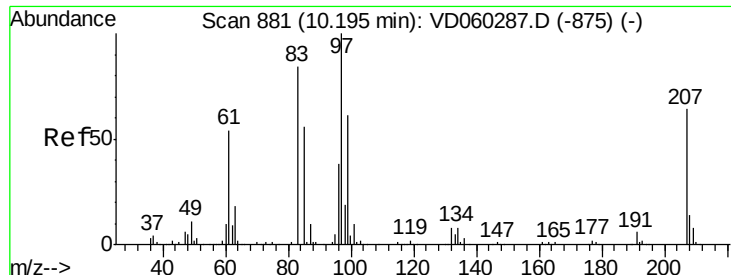
Tot Ion: 75 Resp: 1015273
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.544 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 75 Resp: 1340965
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.3 39.5
 39 61.3 50.8 76.2

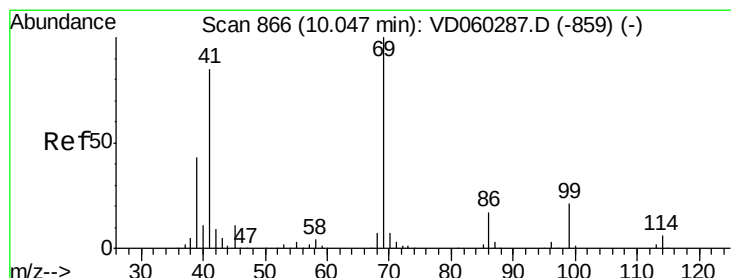
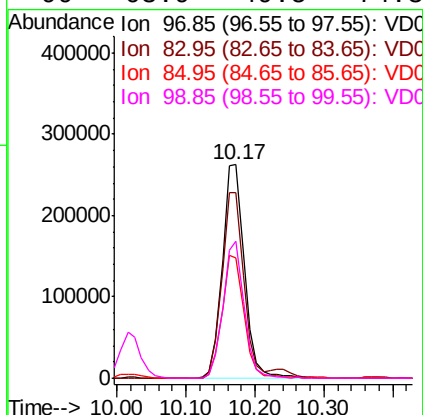
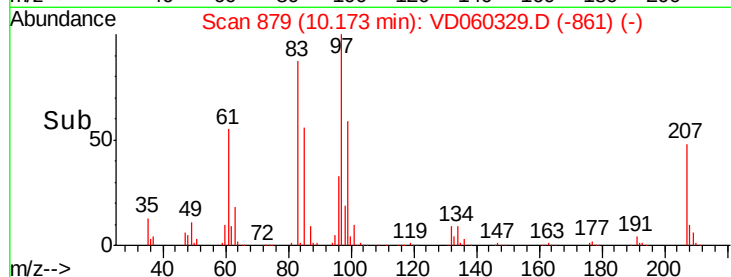
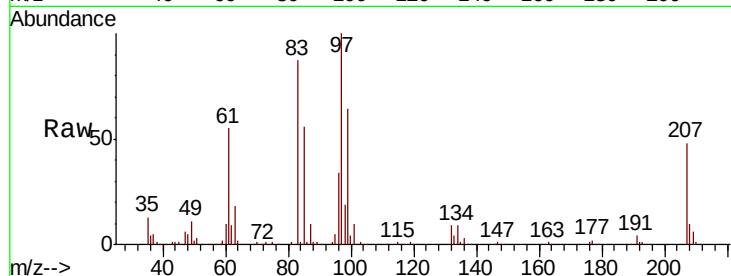




#55
 1,1,2-Trichloroethane
 Concen: 49.238 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

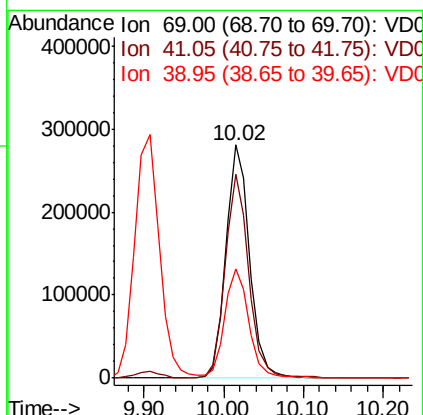
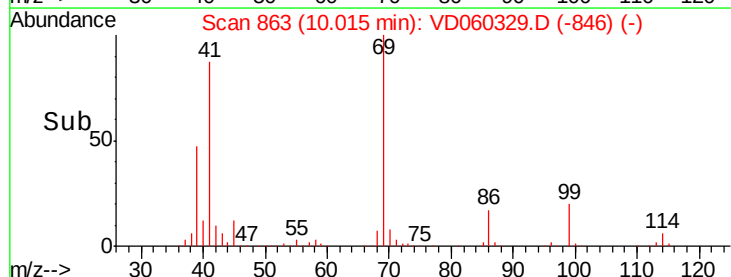
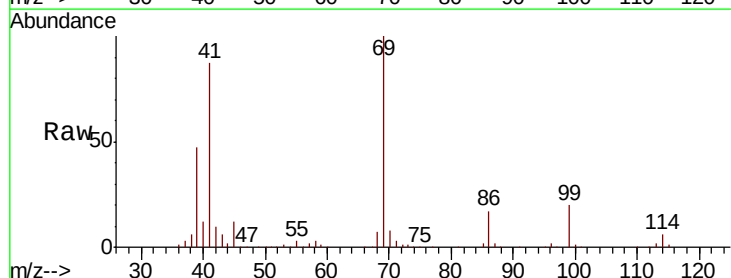
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

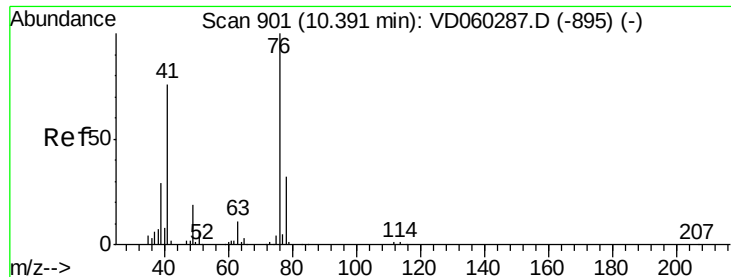
Tot Ion: 97 Resp: 583454
 Ion Ratio Lower Upper
 97 100
 83 86.9 68.4 102.6
 85 56.2 46.8 70.2
 99 63.9 49.5 74.3



#56
 Ethyl methacrylate
 Concen: 53.907 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.03 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 69 Resp: 587325
 Ion Ratio Lower Upper
 69 100
 41 87.5 69.0 103.4
 39 47.0 36.6 54.8





#57

1,3-Dichloropropane

Concen: 53.777 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

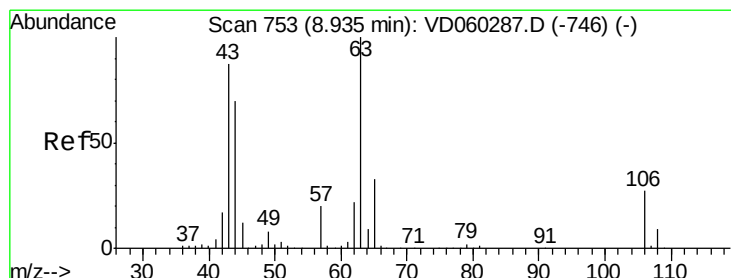
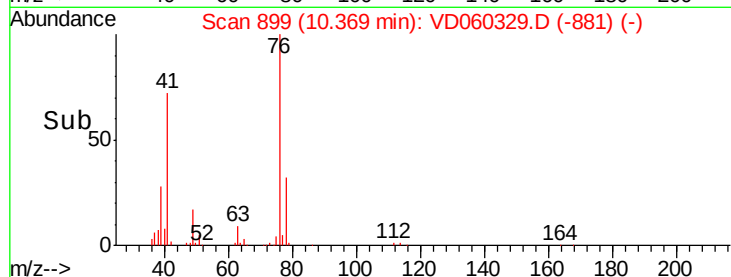
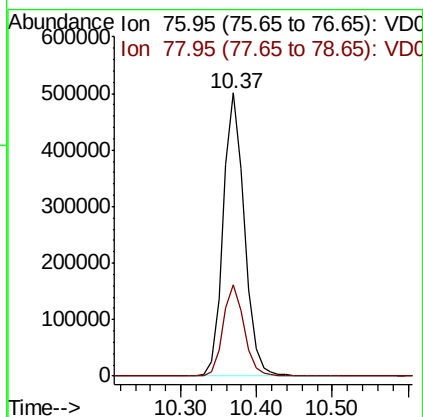
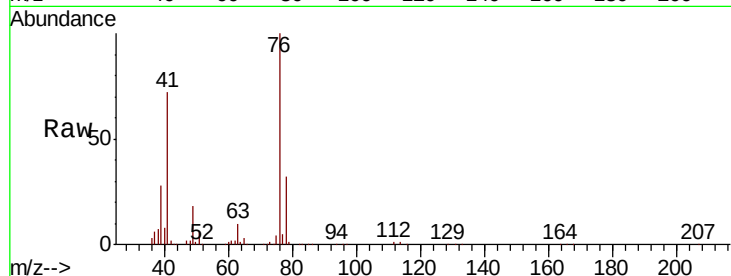
VSTDCCC050

Tot Ion: 76 Resp: 971003

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 257.492 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD060329.D

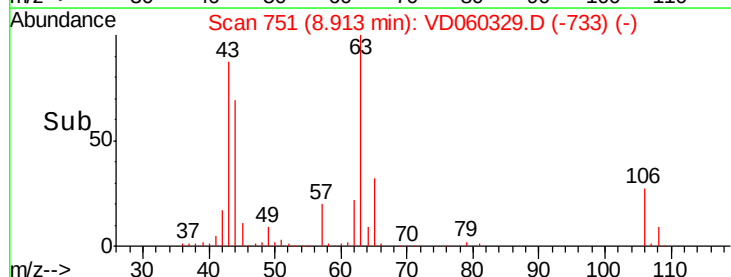
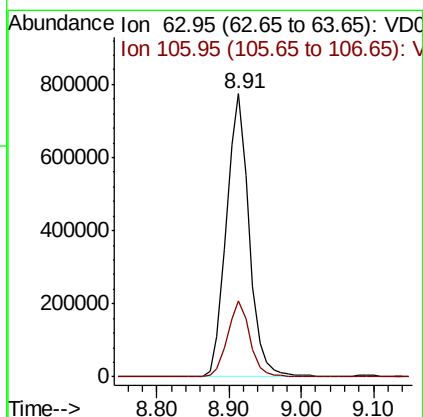
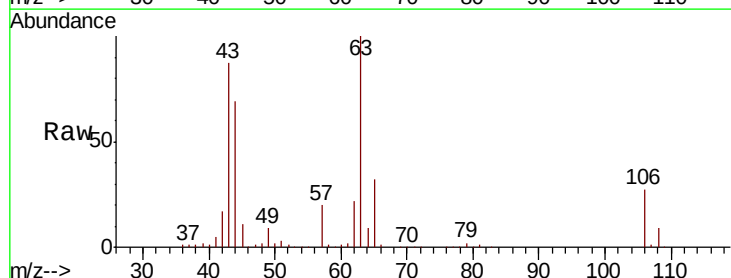
Acq: 12 Nov 2018 10:18

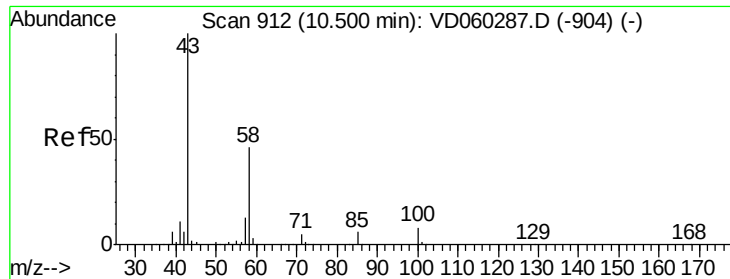
Tgt Ion: 63 Resp: 1696298

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3

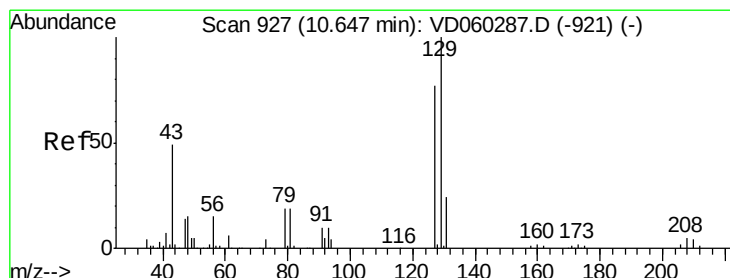
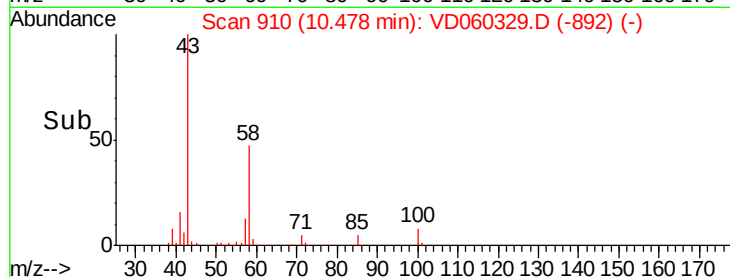
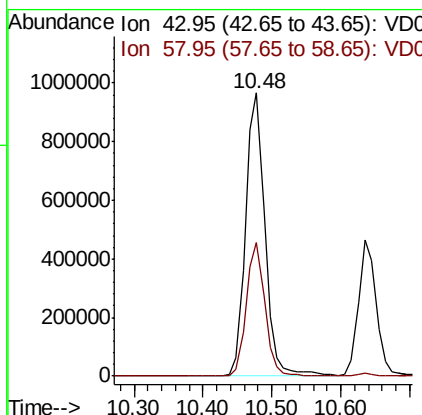
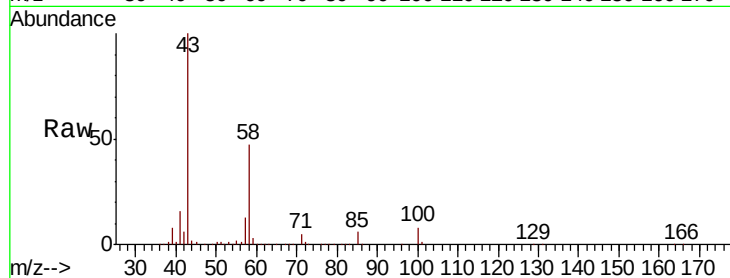




#59
2-Hexanone
Concen: 280.184 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

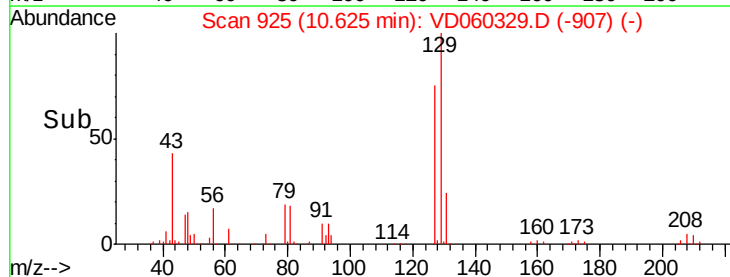
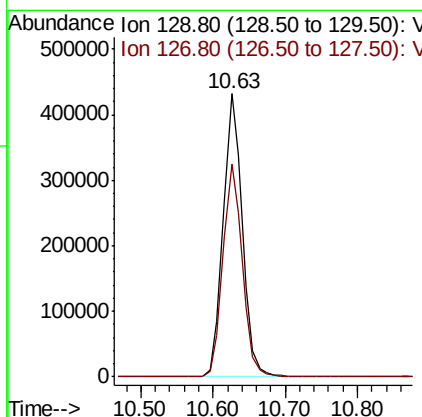
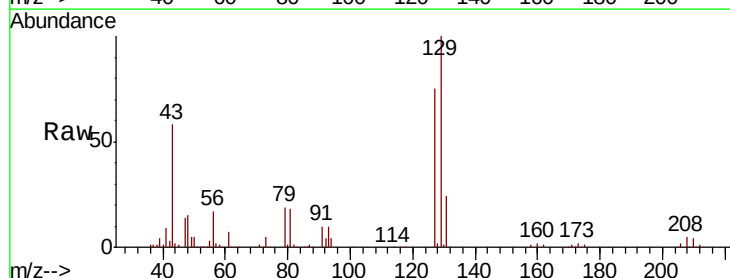
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

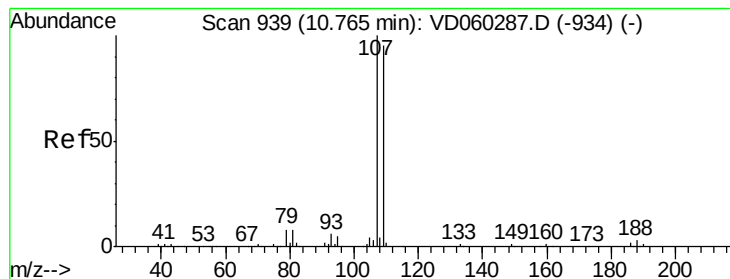
Tot Ion: 43 Resp: 1883724
Ion Ratio Lower Upper
43 100
58 47.0 22.9 68.5



#60
Dibromochloromethane
Concen: 55.208 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion:129 Resp: 795233
Ion Ratio Lower Upper
129 100
127 75.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.859 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

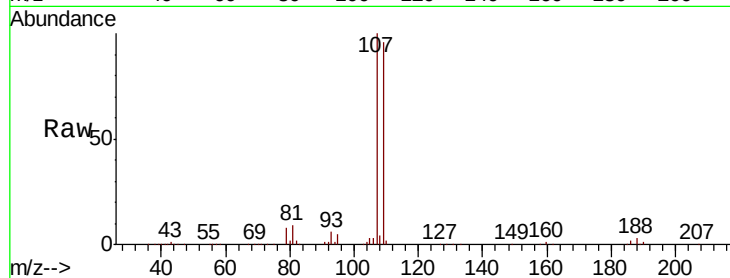
VSTDCCC050

Tot Ion:107 Resp: 615714

Ion Ratio Lower Upper

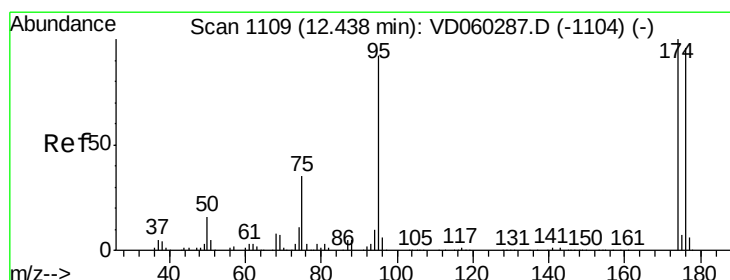
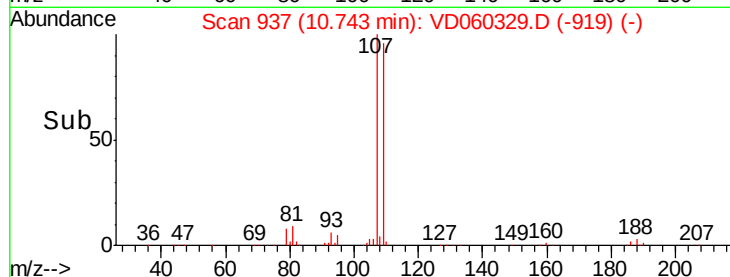
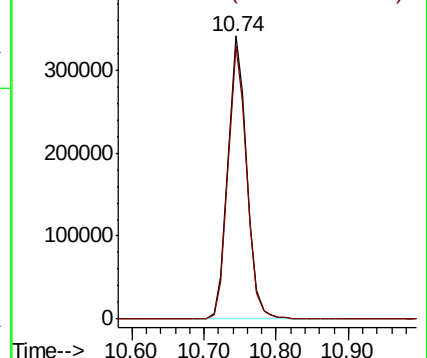
107 100

109 96.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.859 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

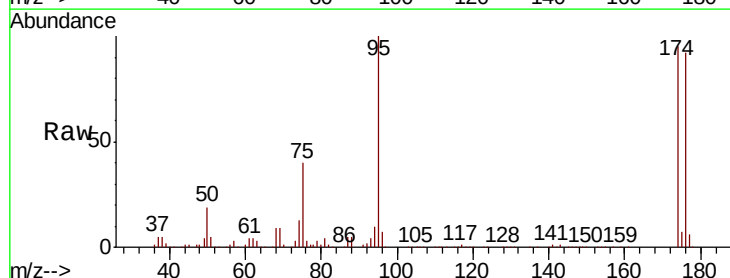
Tgt Ion: 95 Resp: 969328

Ion Ratio Lower Upper

95 100

174 94.9 0.0 160.8

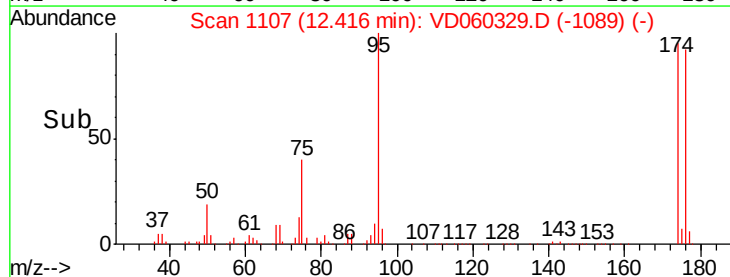
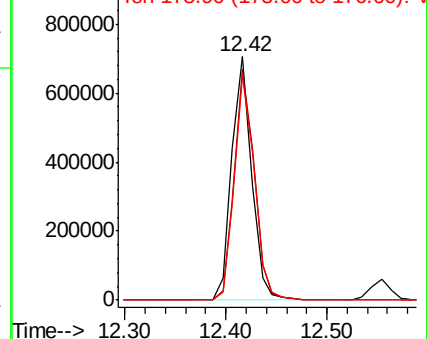
176 92.1 0.0 154.6

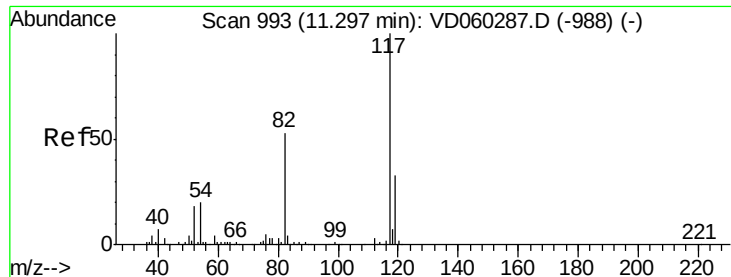


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

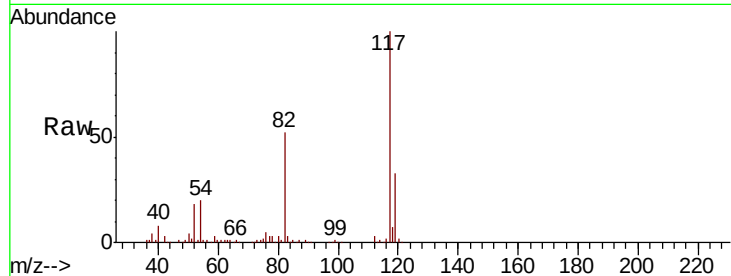




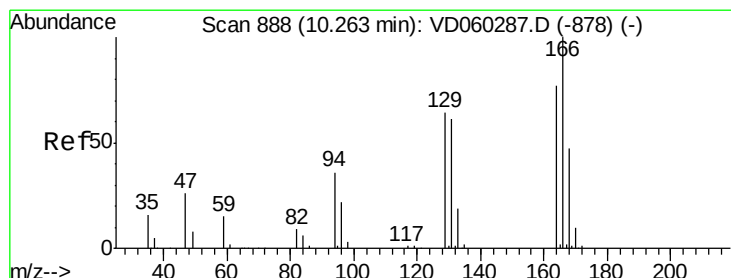
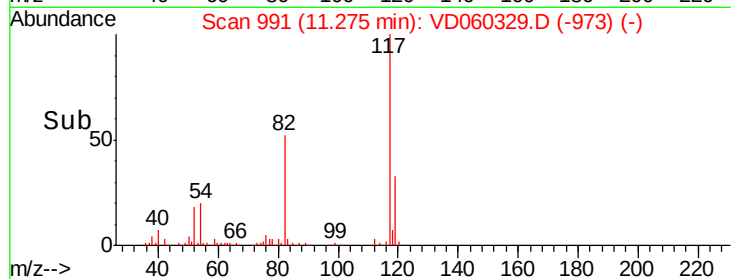
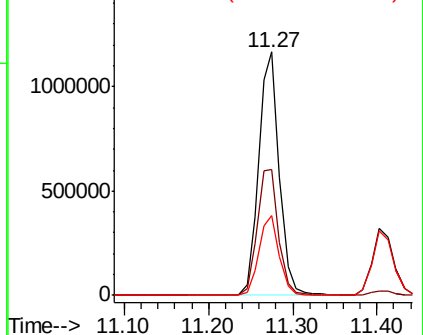
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 2002701
Ion Ratio Lower Upper
117 100
82 51.6 43.7 65.5
119 32.9 26.1 39.1

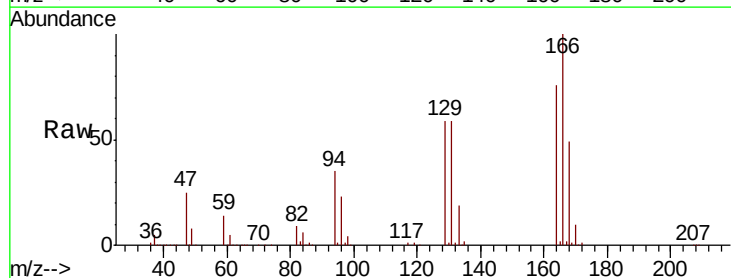


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

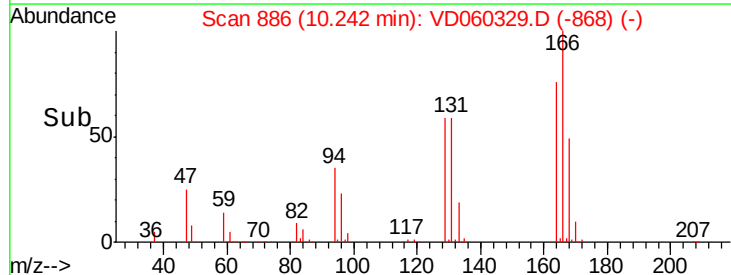
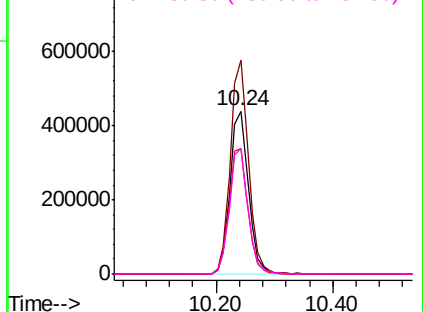


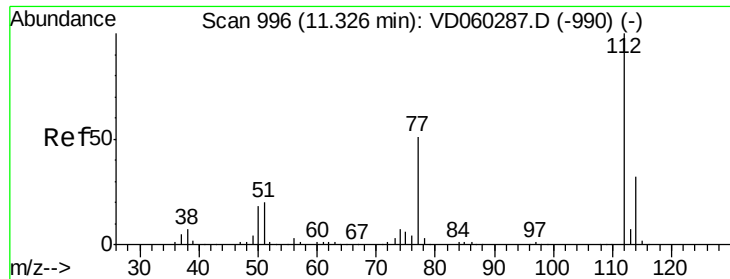
#64
Tetrachloroethene
Concen: 54.062 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion:164 Resp: 966571
Ion Ratio Lower Upper
164 100
166 131.0 103.7 155.5
129 77.0 65.6 98.4
131 76.7 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: 53.262 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

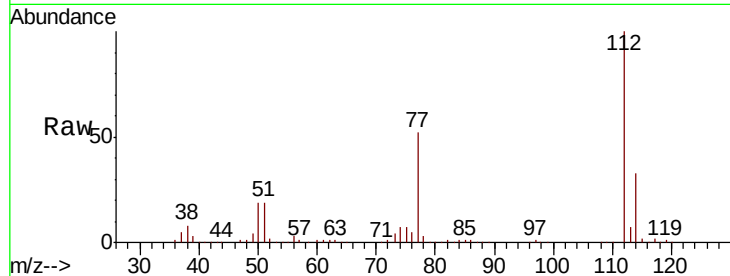
VSTDCCC050

Tot Ion:112 Resp: 2311193

Ion Ratio Lower Upper

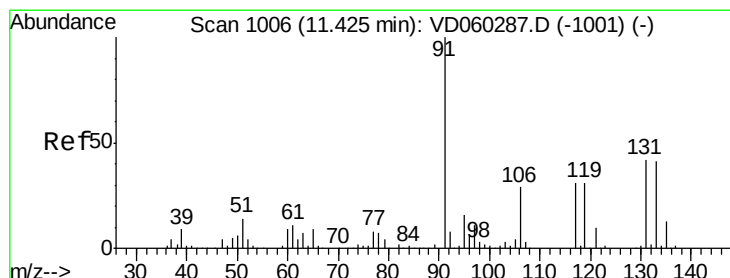
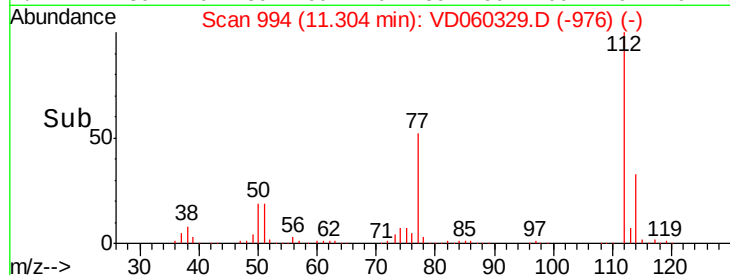
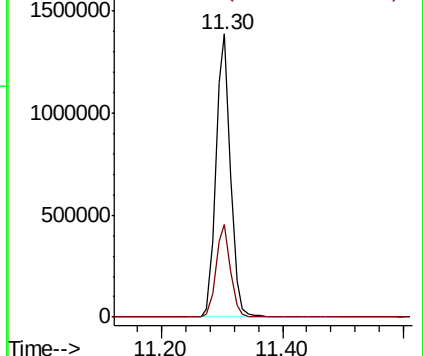
112 100

114 32.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.458 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

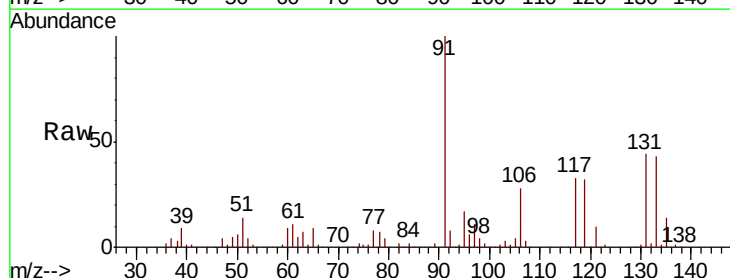
Tgt Ion:131 Resp: 758977

Ion Ratio Lower Upper

131 100

133 96.6 50.0 150.0

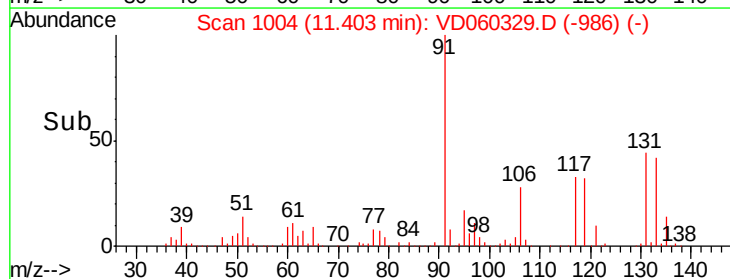
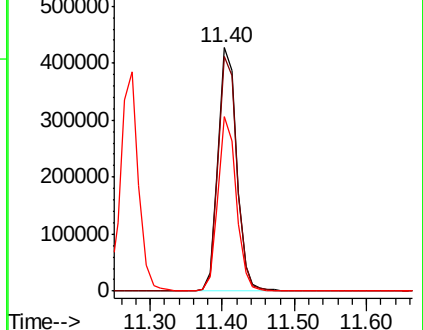
119 71.7 37.0 111.1

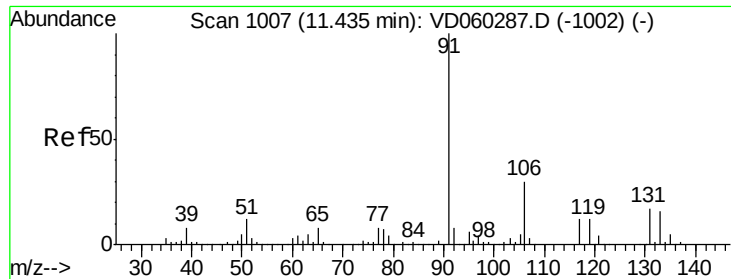


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

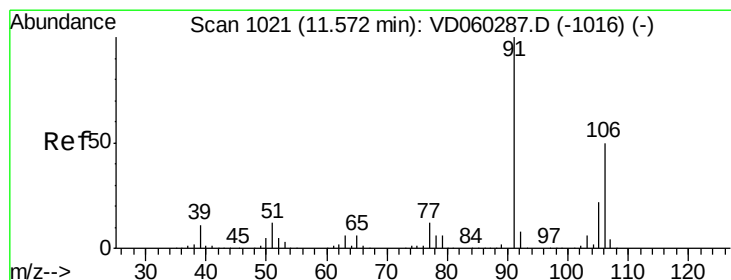
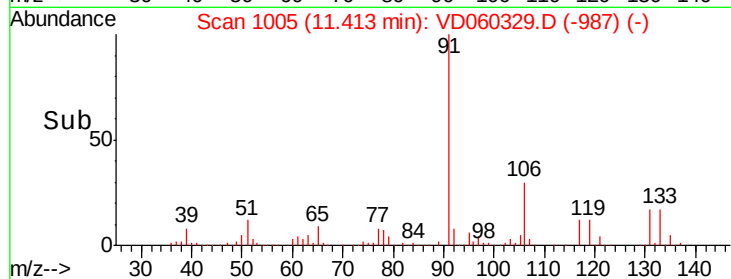
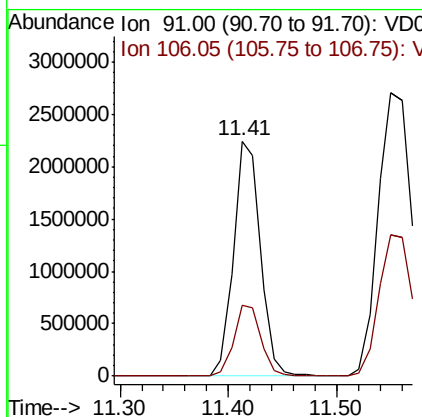
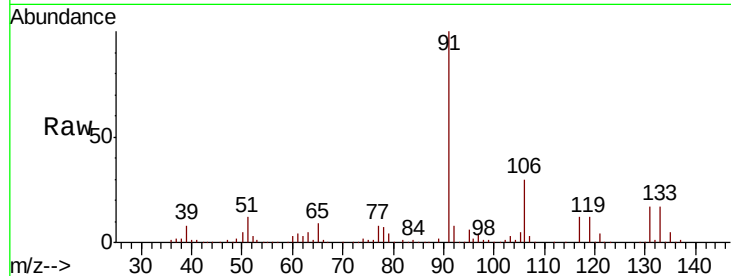




#67
Ethyl Benzene
Concen: 52.117 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

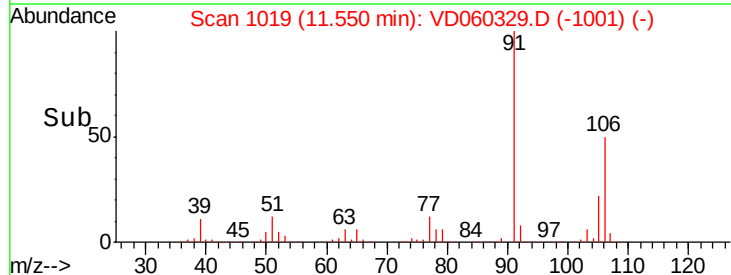
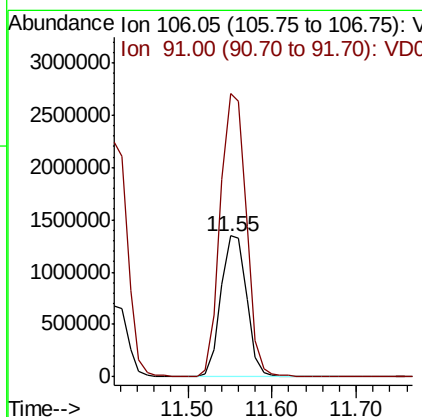
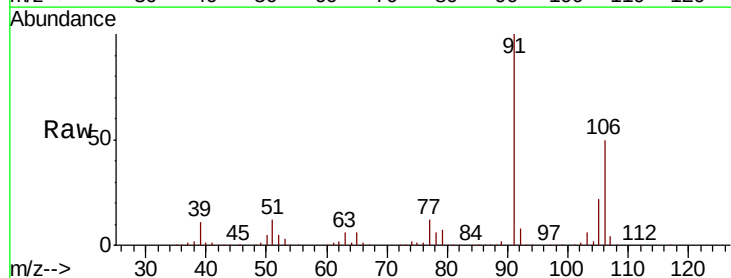
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

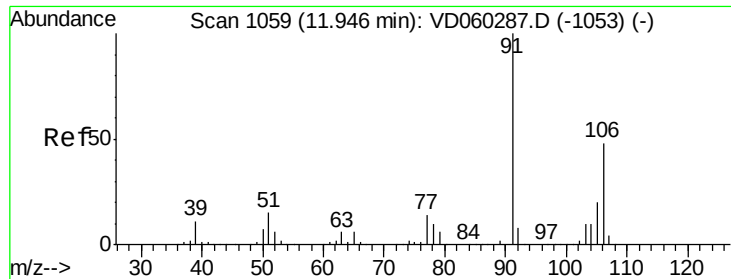
Tot Ion: 91 Resp: 3868628
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 104.021 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 106 Resp: 2848313
Ion Ratio Lower Upper
106 100
91 200.8 159.4 239.2

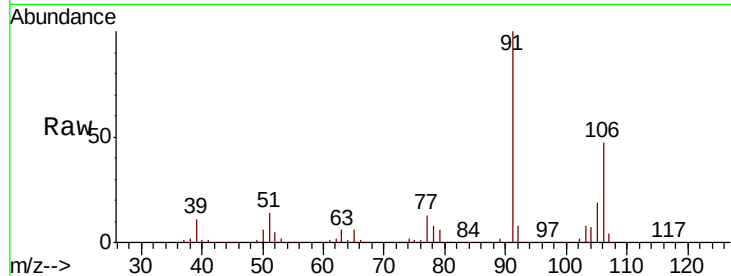




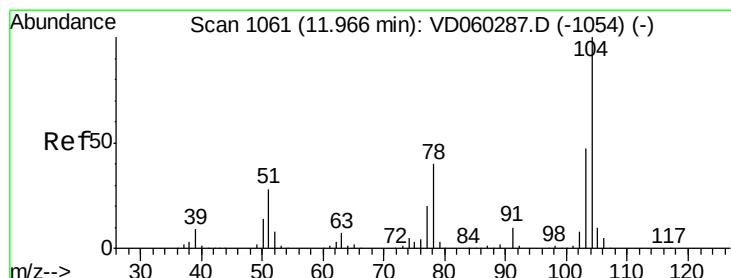
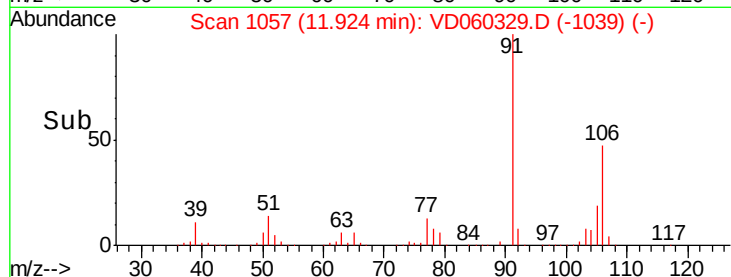
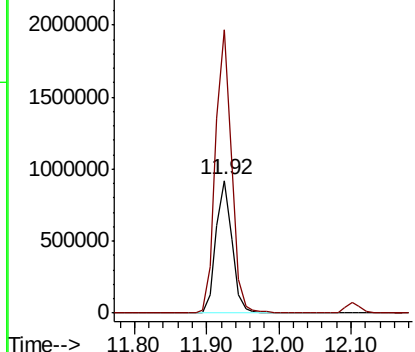
#69
o-Xylene
Concen: 52.572 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1390710
Ion Ratio Lower Upper
106 100
91 213.7 109.2 327.6

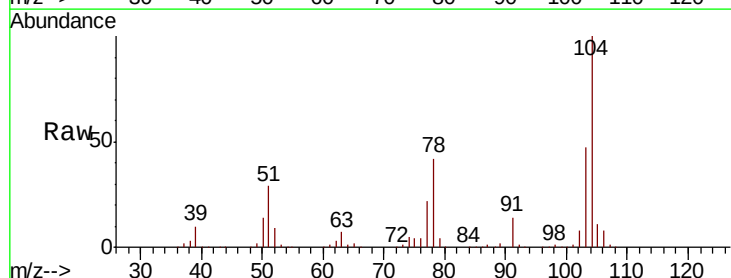


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

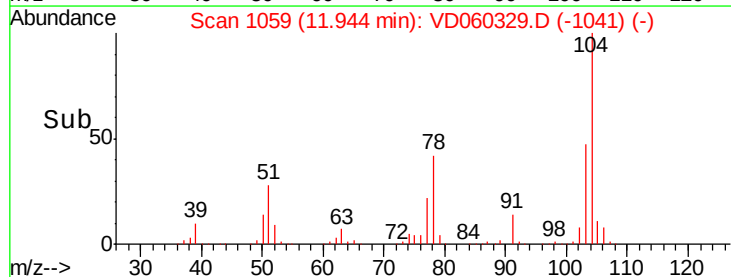
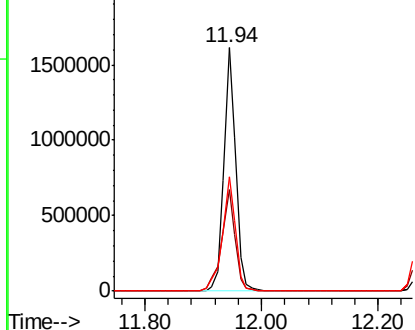


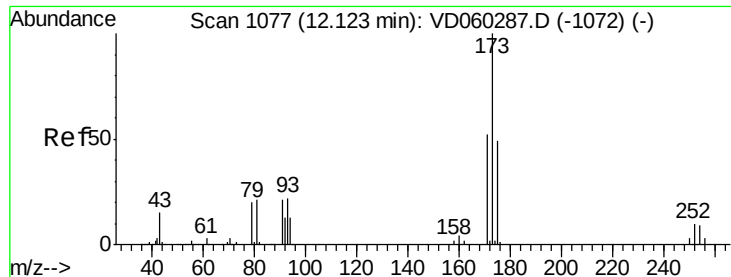
#70
Styrene
Concen: 53.292 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion:104 Resp: 2278337
Ion Ratio Lower Upper
104 100
78 41.6 31.6 47.4
103 47.2 37.0 55.6



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





#71

Bromoform

Concen: 53.716 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

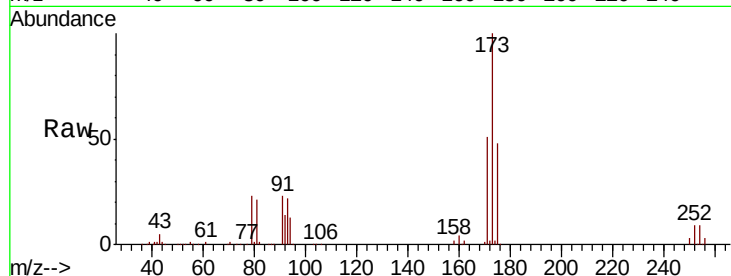
Tot Ion:173 Resp: 512478

Ion Ratio Lower Upper

173 100

175 48.3 24.3 73.0

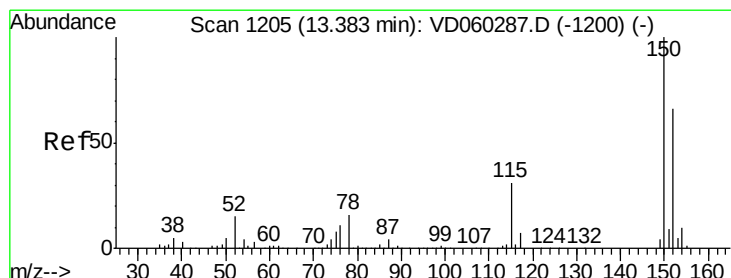
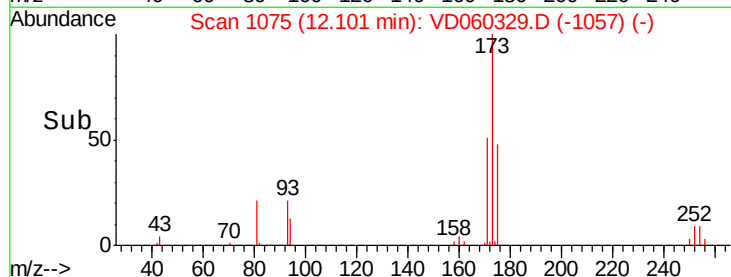
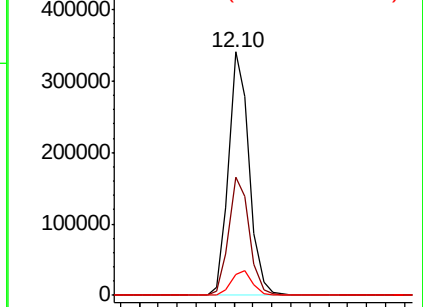
254 8.8 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

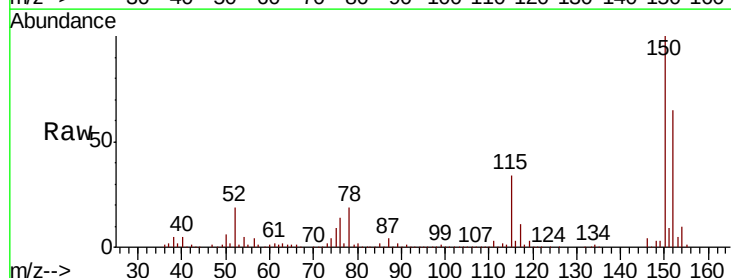
Tgt Ion:152 Resp: 1006230

Ion Ratio Lower Upper

152 100

115 52.6 24.1 72.3

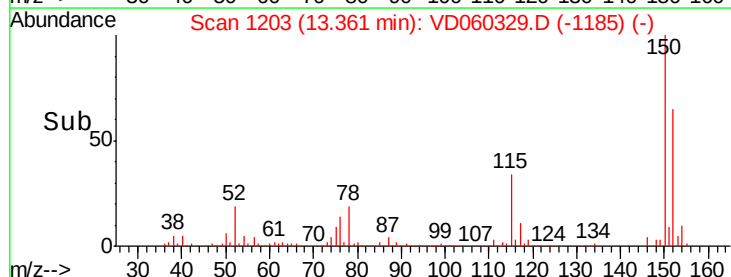
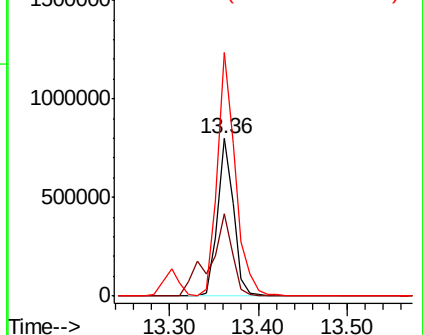
150 154.7 0.0 310.6

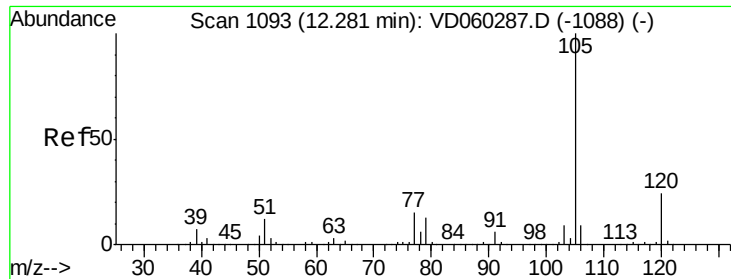


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.965 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

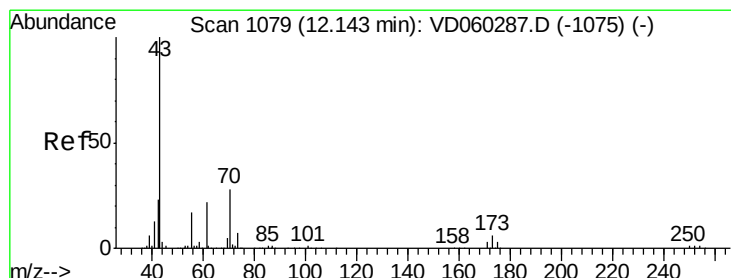
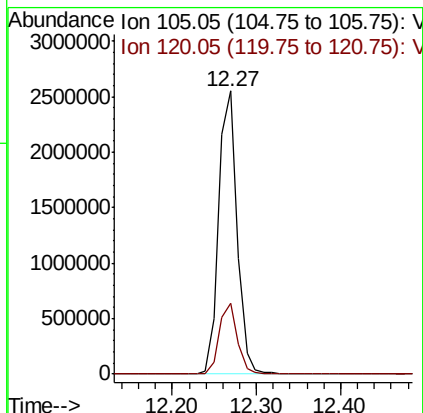
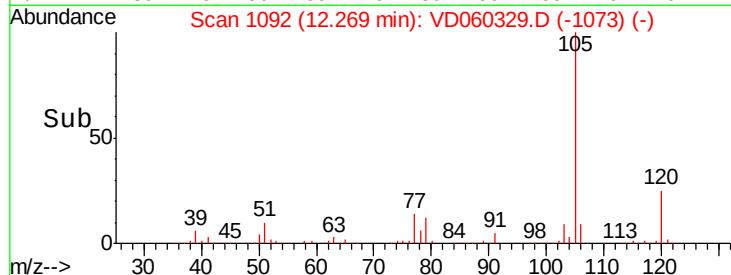
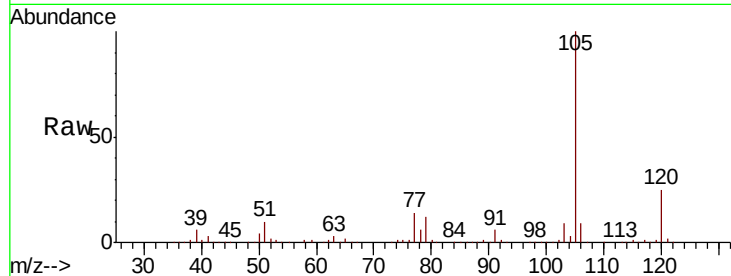
VSTDCCC050

Tot Ion:105 Resp: 3882911

Ion Ratio Lower Upper

105 100

120 25.0 12.1 36.3



#74

N-ethyl acetate

Concen: 51.463 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Tgt Ion: 43 Resp: 967263

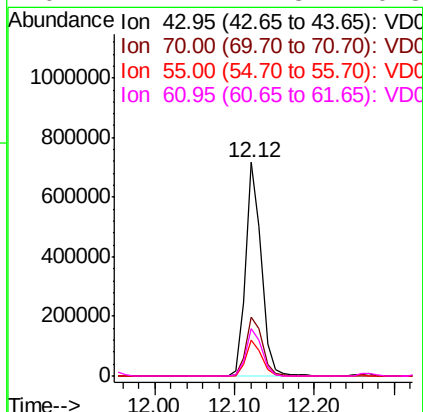
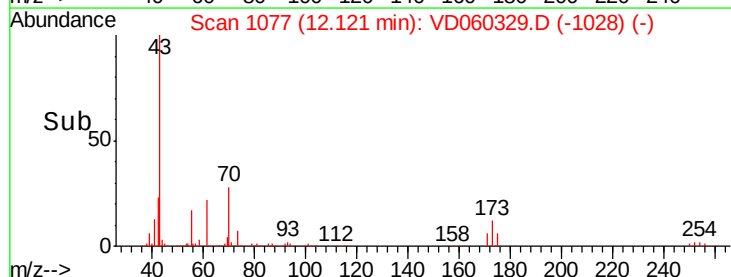
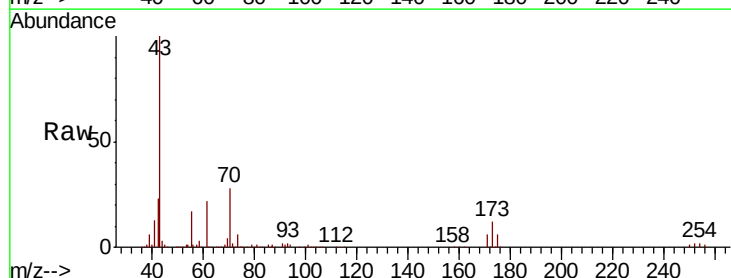
Ion Ratio Lower Upper

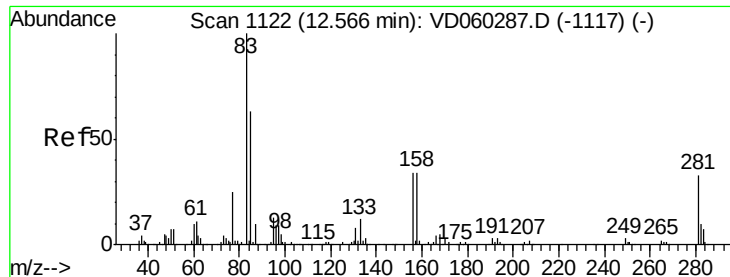
43 100

70 27.6 23.0 34.4

55 16.6 14.2 21.4

61 22.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.964 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

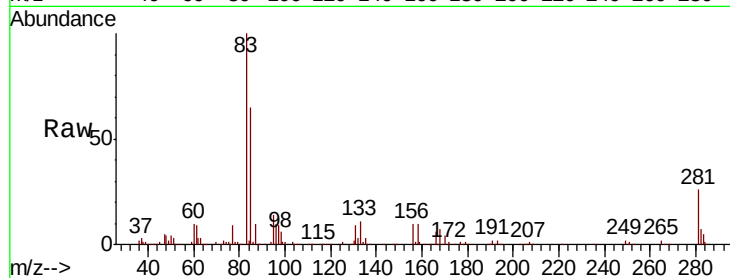
Tot Ion: 83 Resp: 623031

Ion Ratio Lower Upper

83 100

131 9.3 3.9 11.5

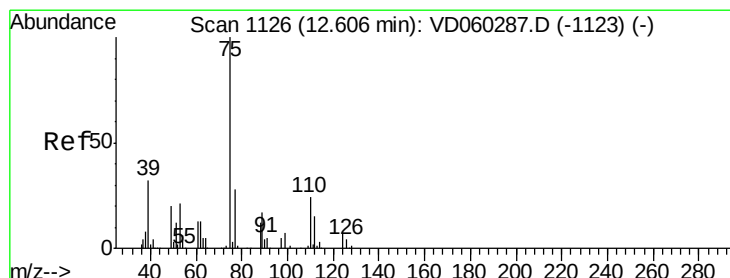
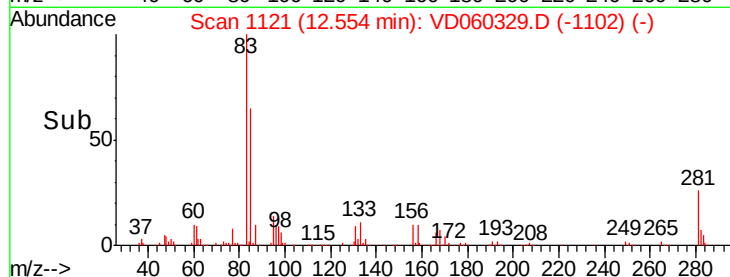
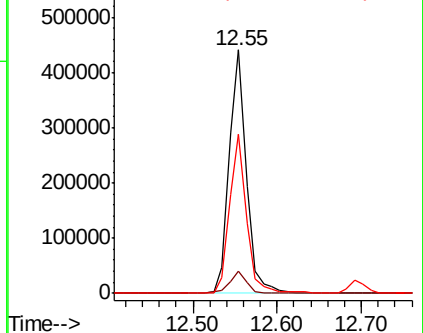
85 65.3 32.0 96.0



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: 51.580 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060329.D

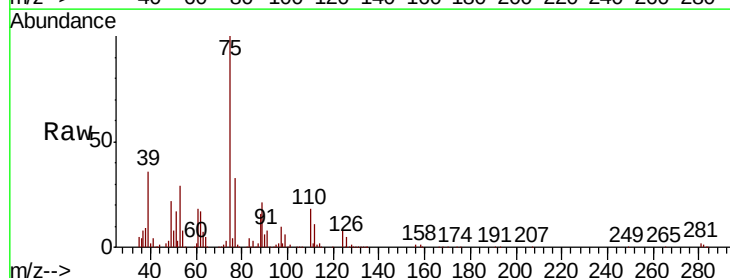
Acq: 12 Nov 2018 10:18

Tgt Ion: 75 Resp: 620866

Ion Ratio Lower Upper

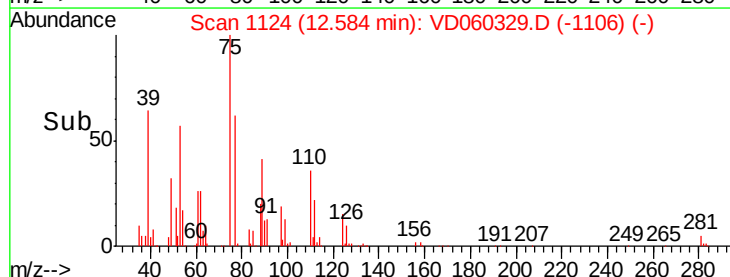
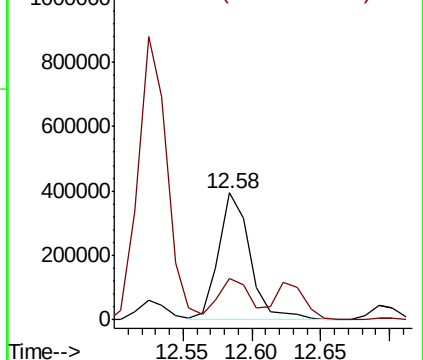
75 100

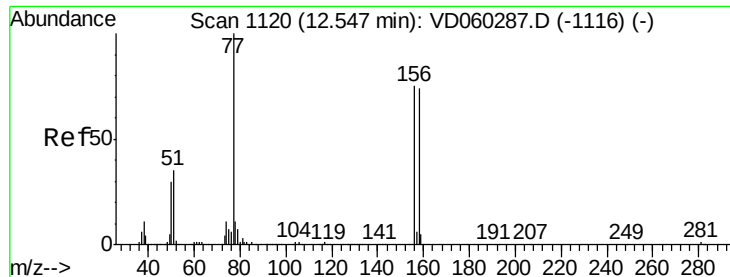
77 32.9 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.890 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

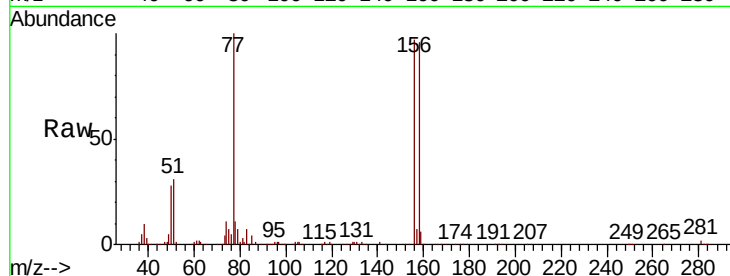
Tot Ion:156 Resp: 1029946

Ion Ratio Lower Upper

156 100

77 103.5 61.2 183.6

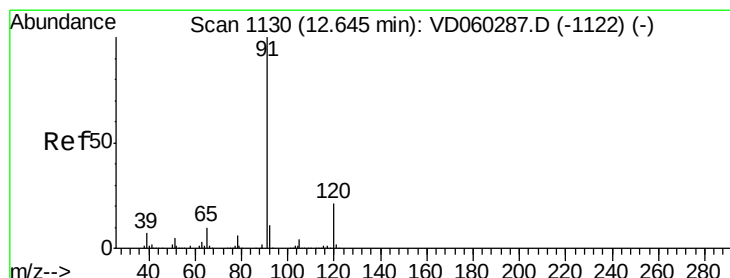
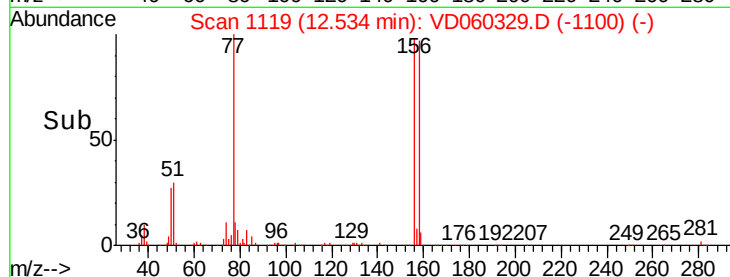
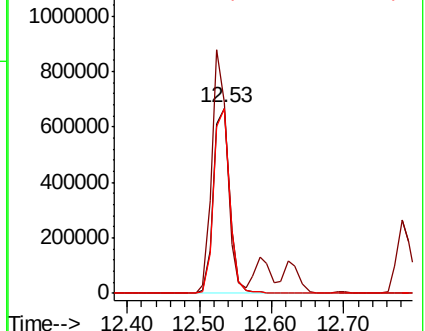
158 99.5 49.2 147.6



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: 51.358 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060329.D

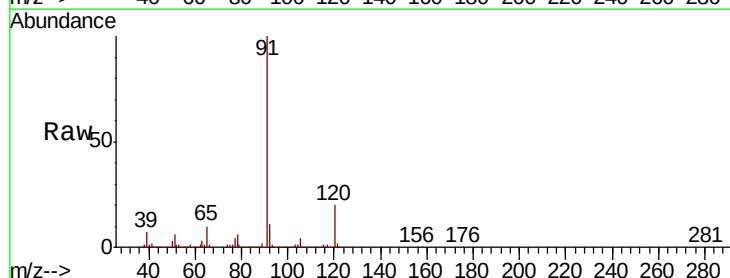
Acq: 12 Nov 2018 10:18

Tgt Ion: 91 Resp: 4699563

Ion Ratio Lower Upper

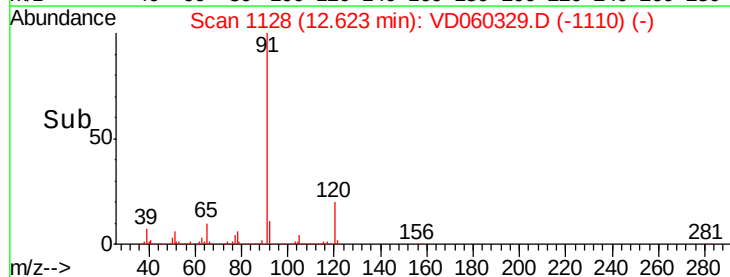
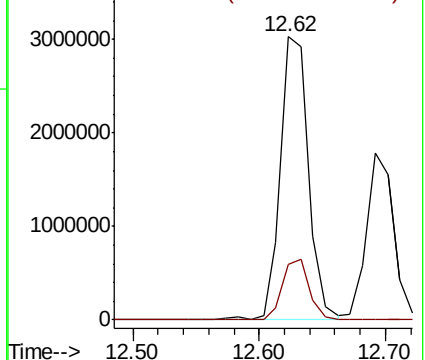
91 100

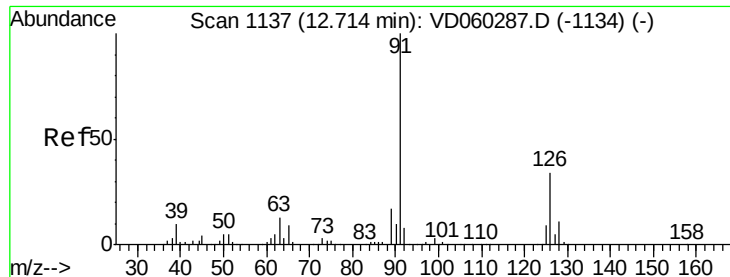
120 19.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

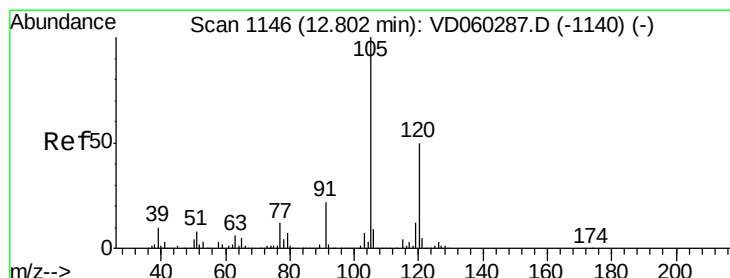
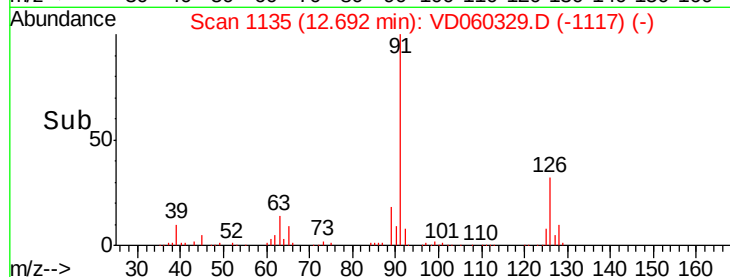
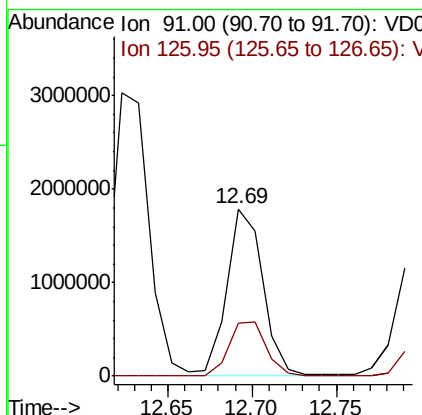
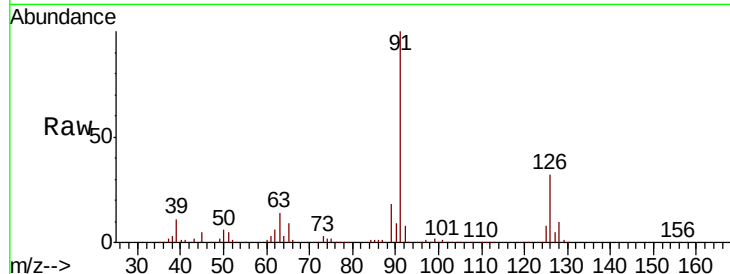




#79
 2-Chlorotoluene
 Concen: 53.127 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

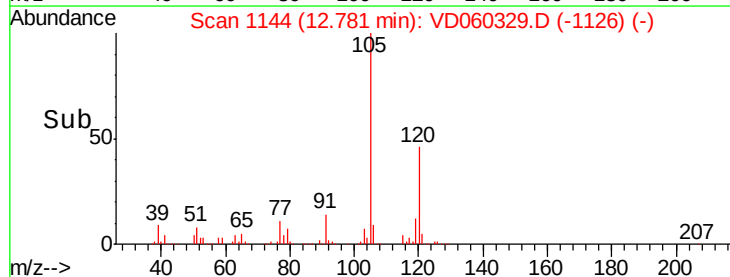
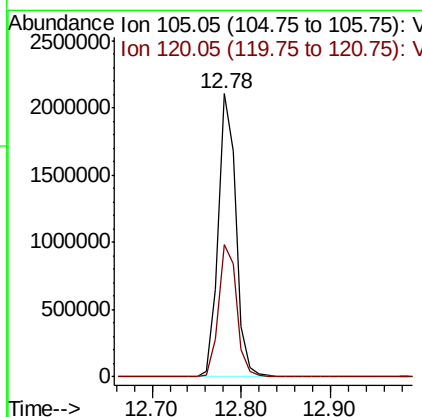
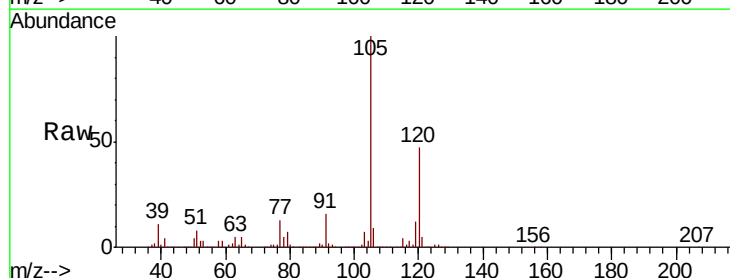
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

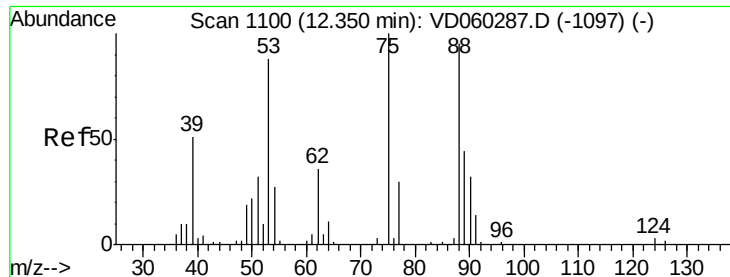
Tot Ion: 91 Resp: 2662580
 Ion Ratio Lower Upper
 91 100
 126 31.9 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 51.362 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 105 Resp: 2926289
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.544 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060329.D

Acq: 12 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

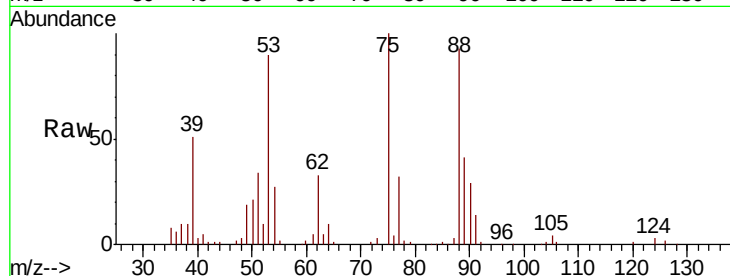
Tot Ion: 75 Resp: 190341

Ion Ratio Lower Upper

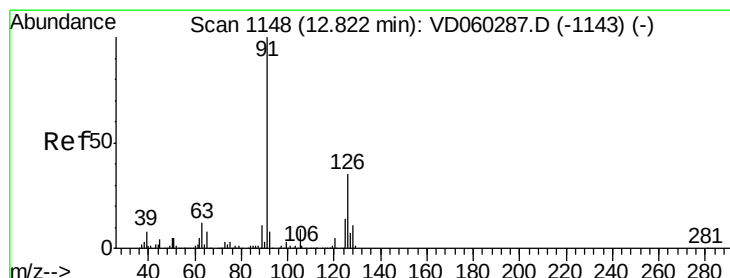
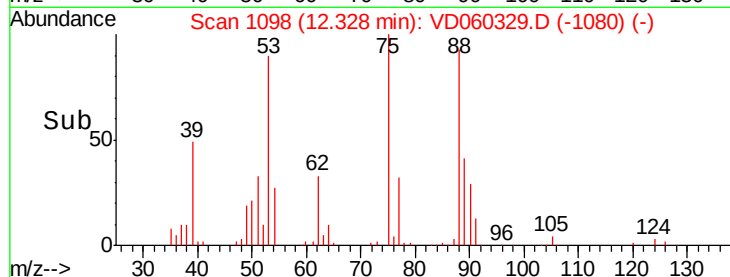
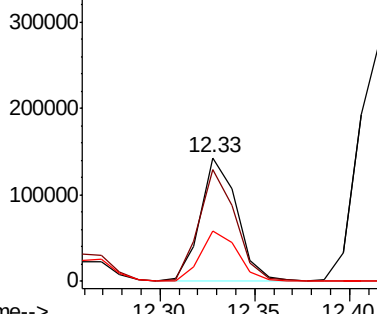
75 100

53 90.2 68.6 103.0

89 41.2 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: 52.142 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060329.D

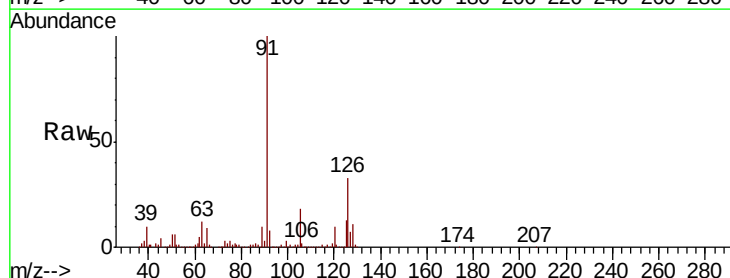
Acq: 12 Nov 2018 10:18

Tgt Ion: 91 Resp: 2935465

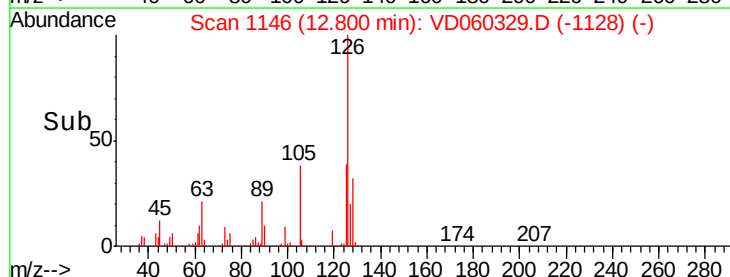
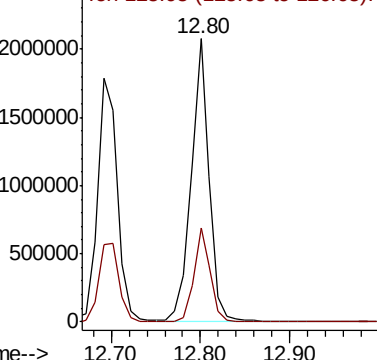
Ion Ratio Lower Upper

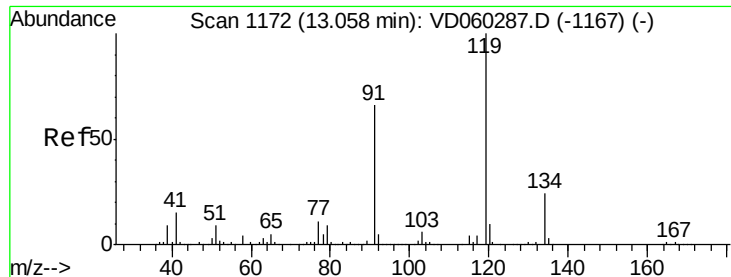
91 100

126 33.3 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

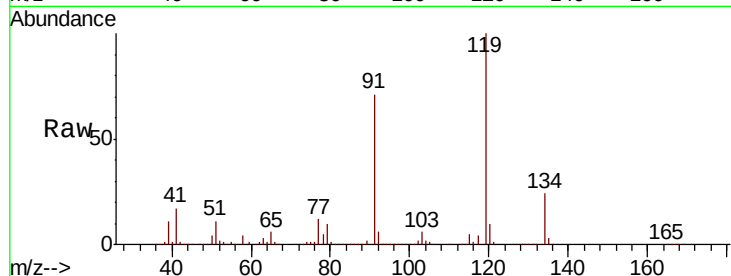




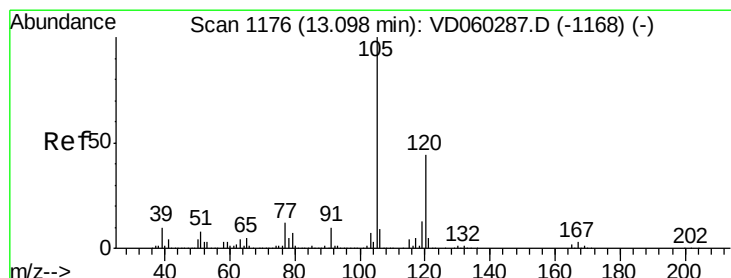
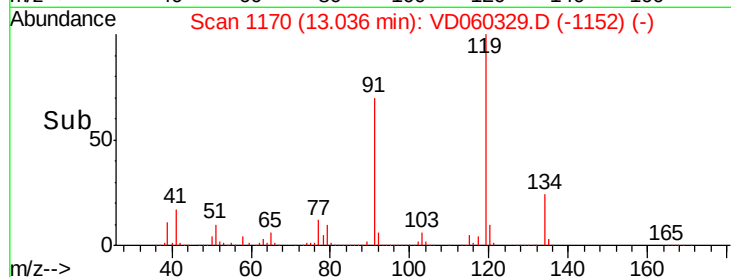
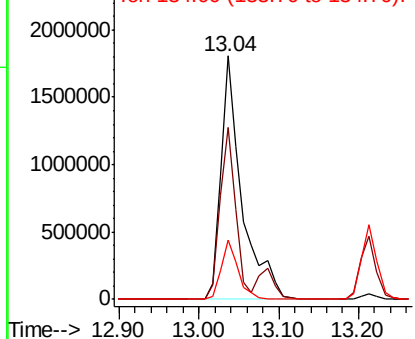
#83
 tert-Butylbenzene
 Concen: 53.042 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3355113
 Ion Ratio Lower Upper
 119 100
 91 70.8 32.7 98.1
 134 24.3 12.1 36.3

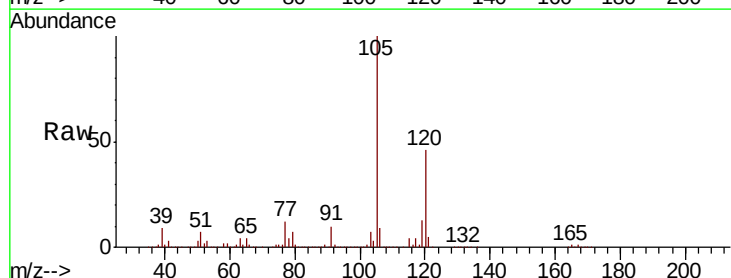


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

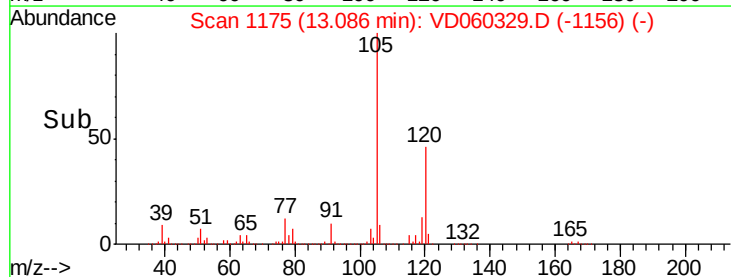
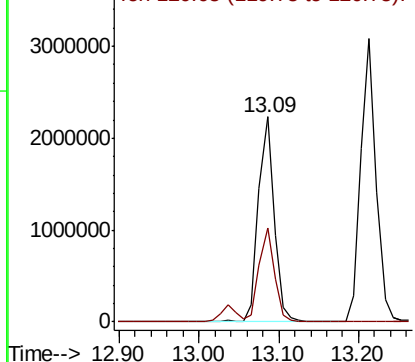


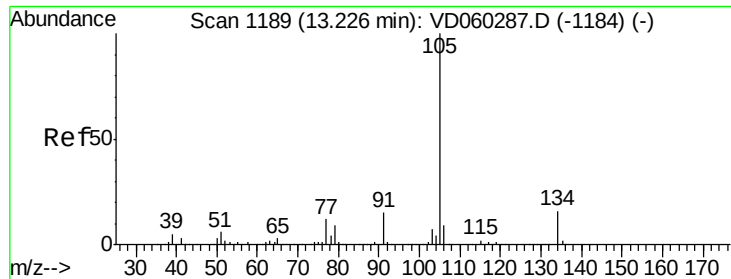
#84
 1,2,4-Trimethylbenzene
 Concen: 52.911 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion:105 Resp: 3010619
 Ion Ratio Lower Upper
 105 100
 120 45.7 21.9 65.8



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

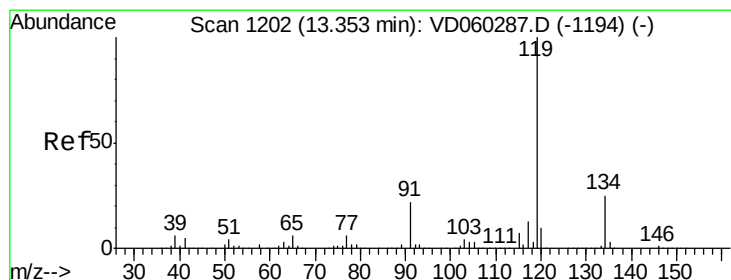
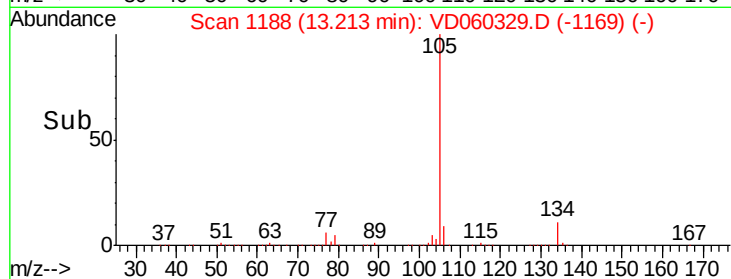
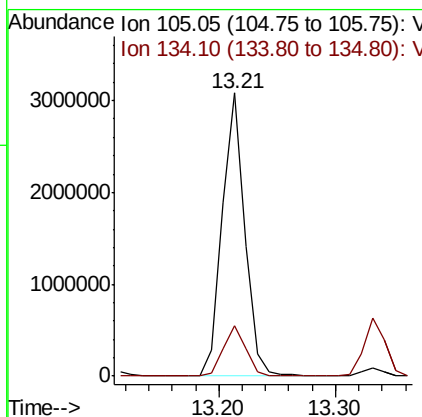
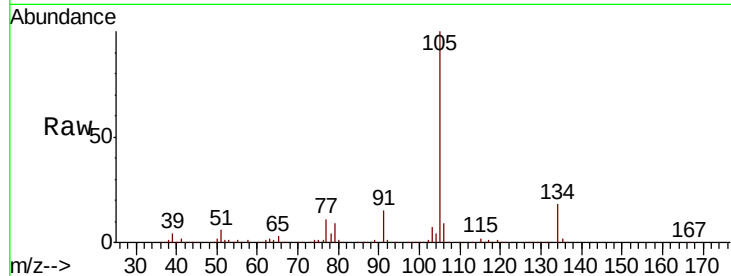




#85
 sec-Butylbenzene
 Concen: 53.189 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

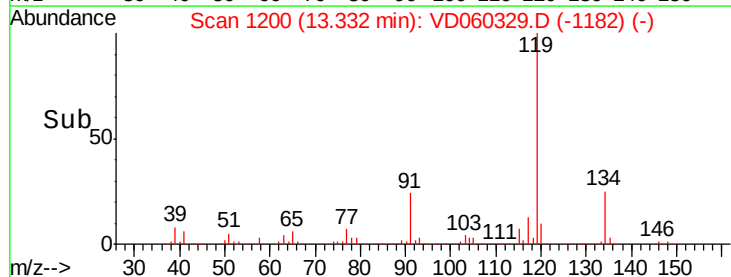
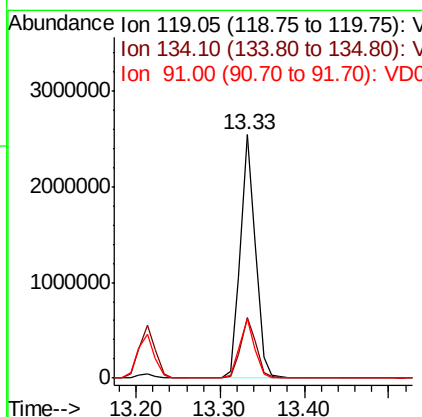
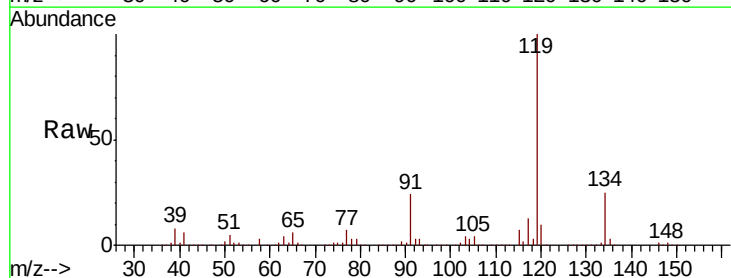
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

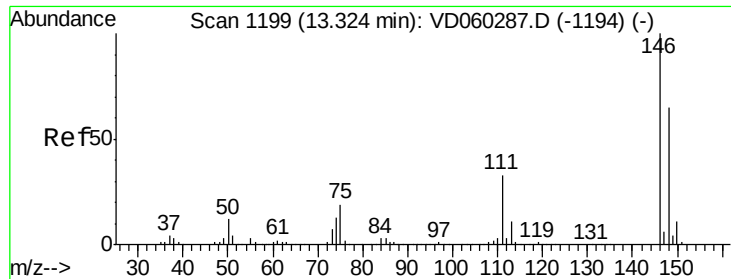
Tot Ion:105 Resp: 4127686
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 50.787 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion:119 Resp: 3173934
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.9 38.6
 91 24.4 11.3 33.8

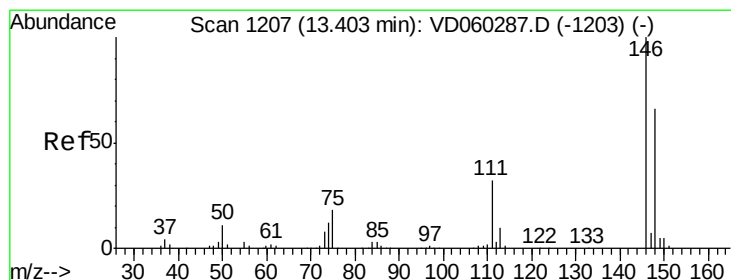
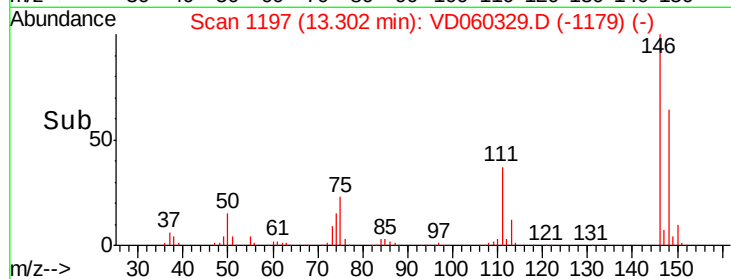
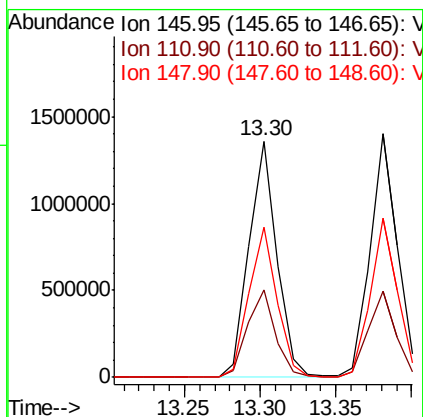
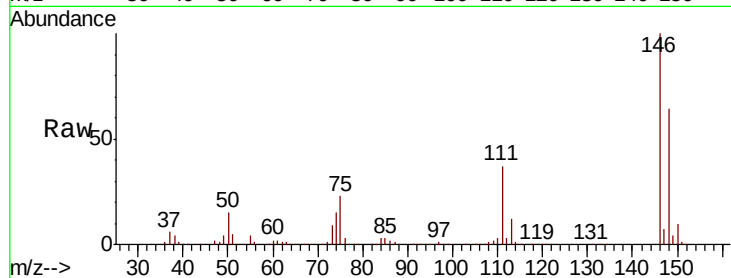




#87
 1,3-Dichlorobenzene
 Concen: 50.627 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

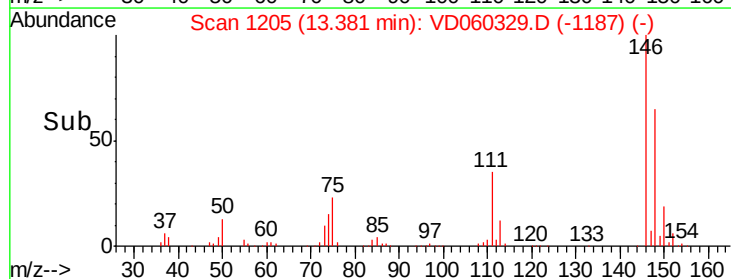
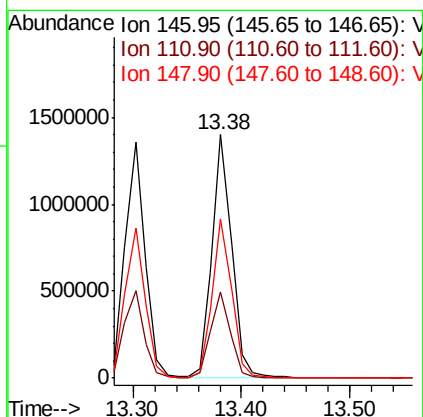
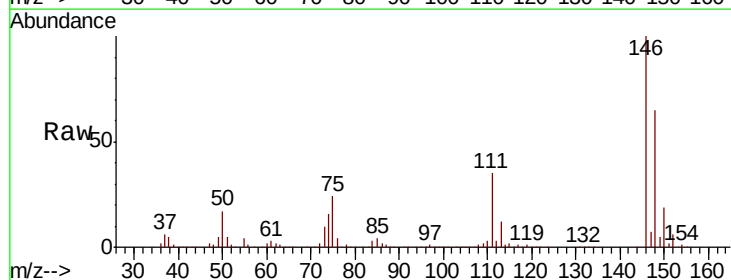
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

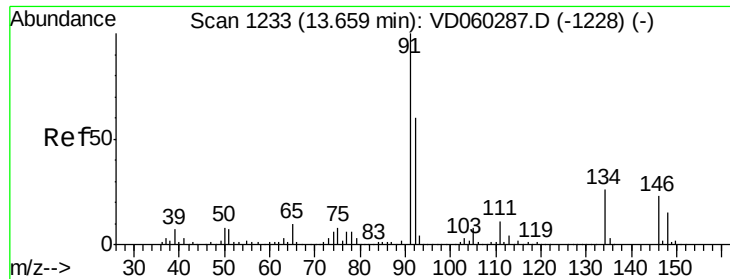
Tot Ion:146 Resp: 1754016
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.2 60.5
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 52.498 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion:146 Resp: 1776342
 Ion Ratio Lower Upper
 146 100
 111 35.5 16.0 47.9
 148 65.3 32.9 98.7

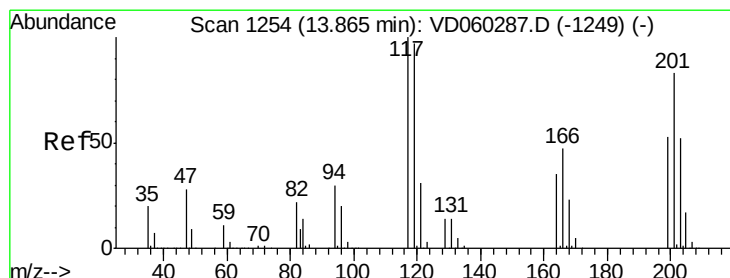
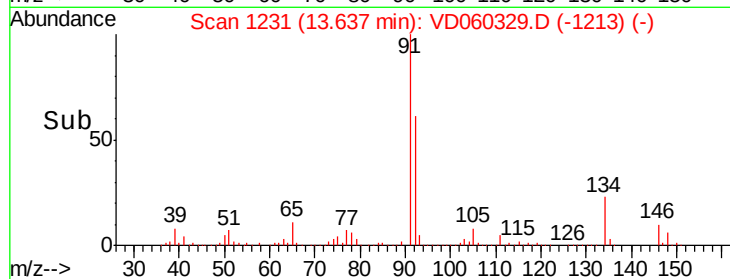
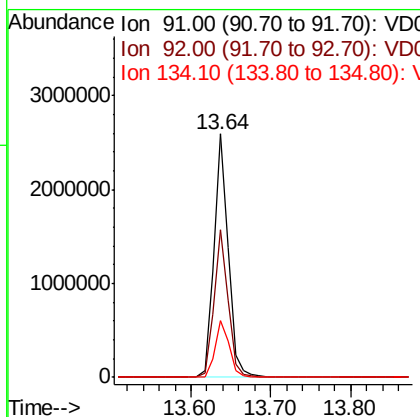
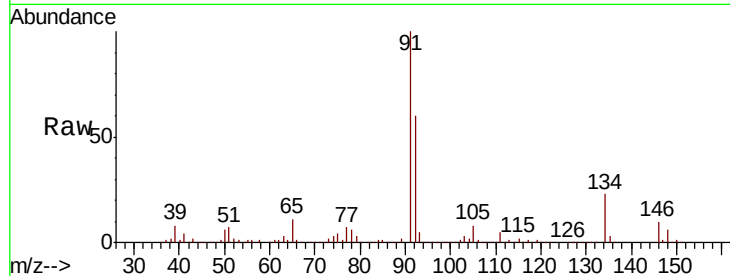




#89
n-Butylbenzene
Concen: 54.998 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

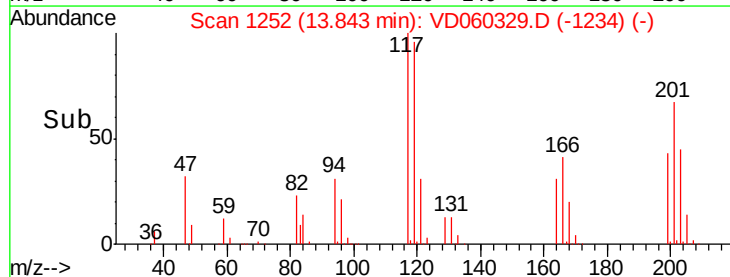
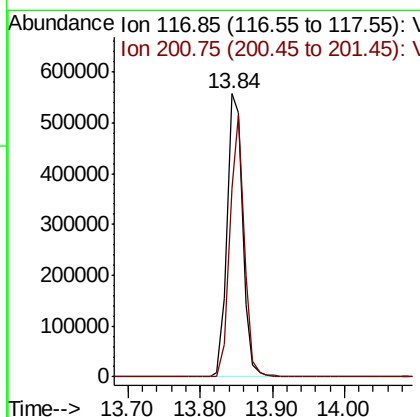
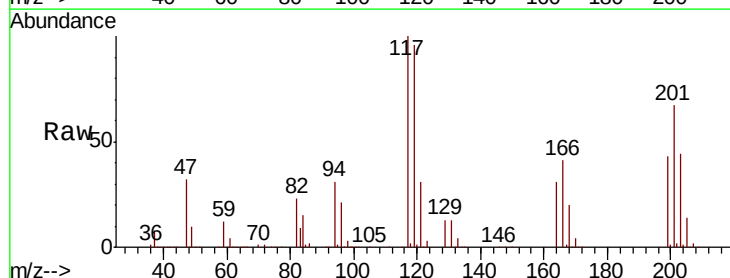
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

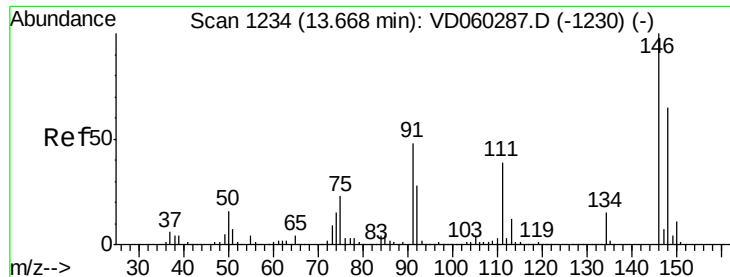
Tot Ion: 91 Resp: 3285227
Ion Ratio Lower Upper
91 100
92 60.5 30.3 90.9
134 23.4 13.0 38.9



#90
Hexachloroethane
Concen: 56.925 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion: 117 Resp: 843562
Ion Ratio Lower Upper
117 100
201 66.7 40.1 120.3

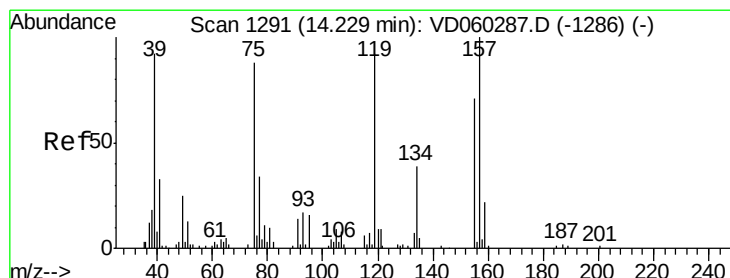
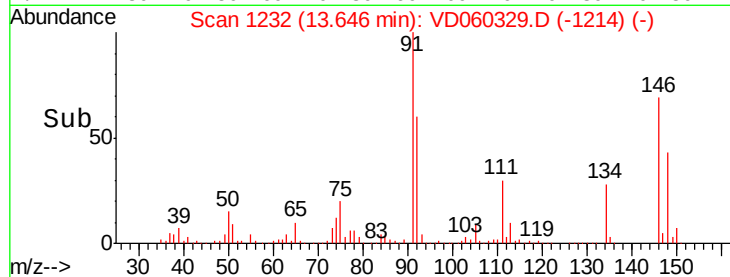
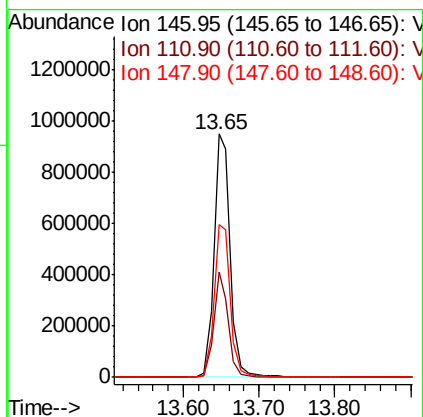
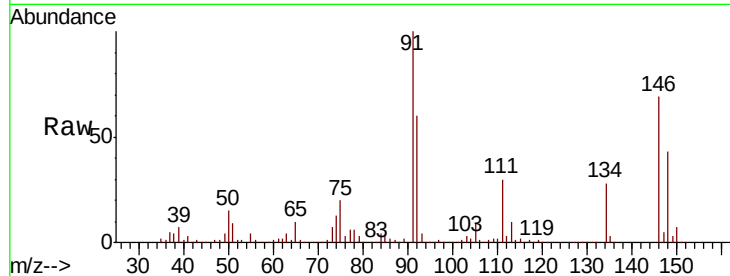




#91
 1,2-Dichlorobenzene
 Concen: 50.466 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

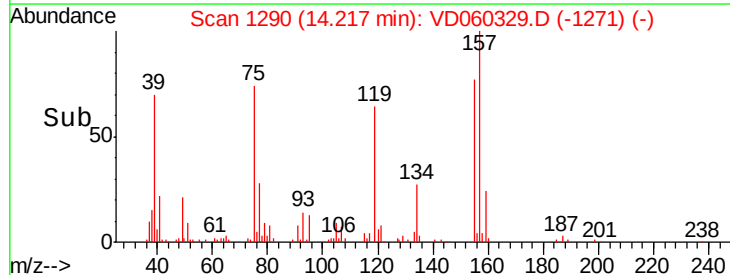
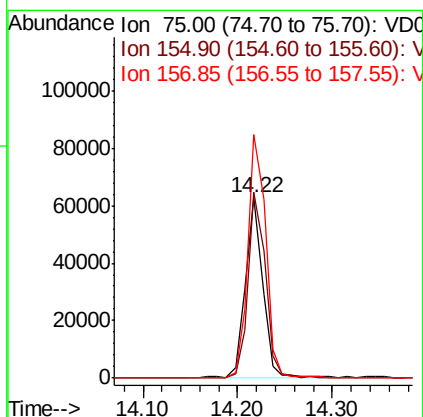
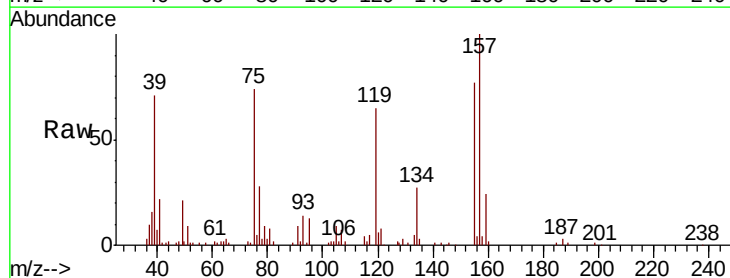
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

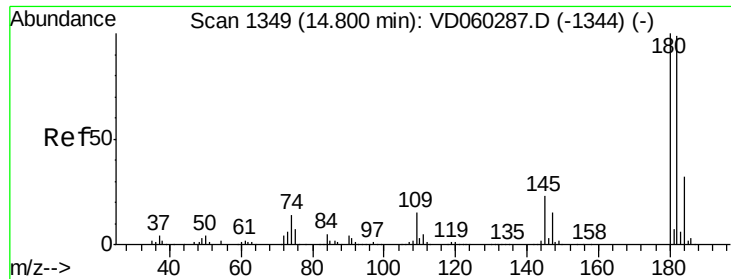
Tot Ion:146 Resp: 1436141
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.9 56.9
 148 62.6 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.583 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion: 75 Resp: 80444
 Ion Ratio Lower Upper
 75 100
 155 103.3 64.3 192.9
 157 134.9 81.0 243.1

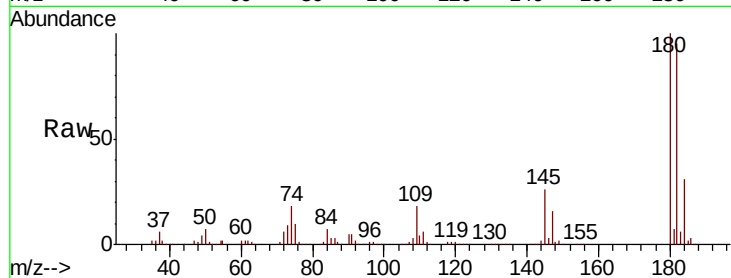




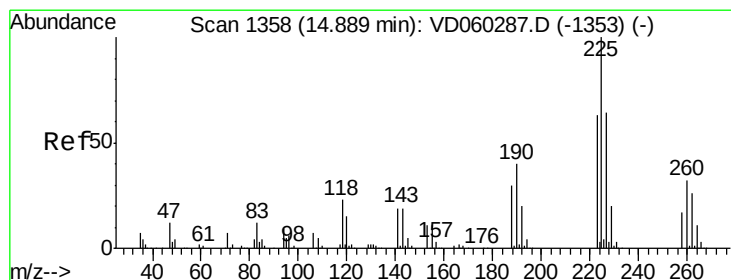
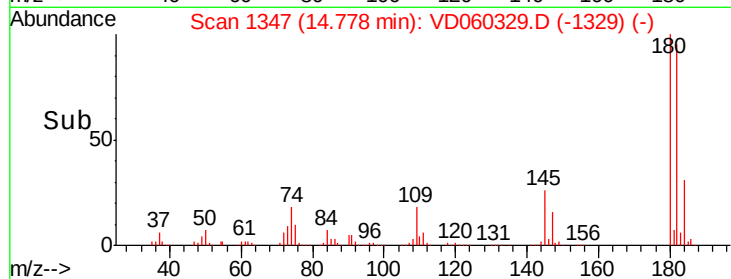
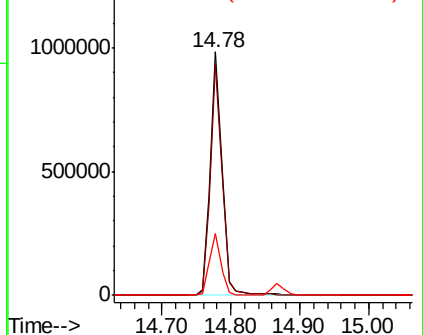
#93
 1,2,4-Trichlorobenzene
 Concen: 52.411 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1182540
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.4
 145 25.6 11.5 34.4

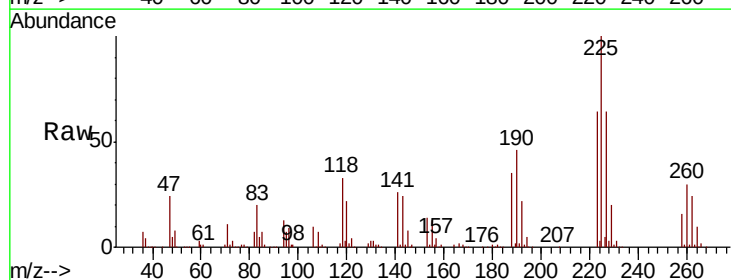


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

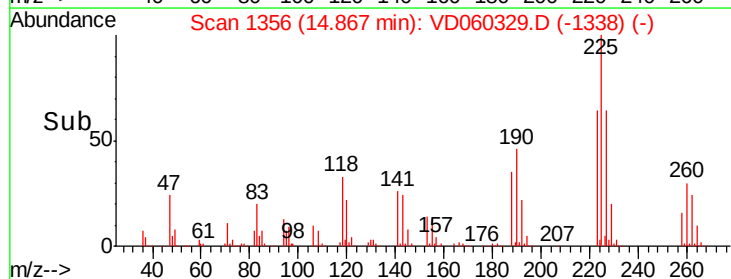
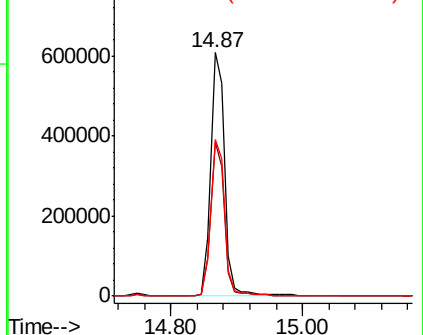


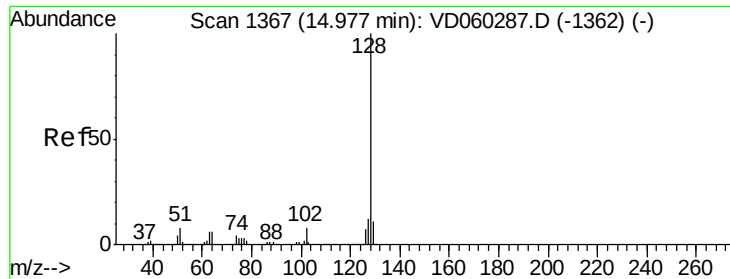
#94
 Hexachlorobutadiene
 Concen: 51.543 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060329.D
 Acq: 12 Nov 2018 10:18

Tgt Ion:225 Resp: 869851
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.6 94.8
 227 64.1 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

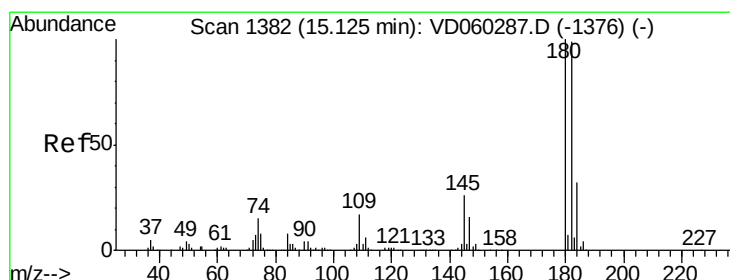
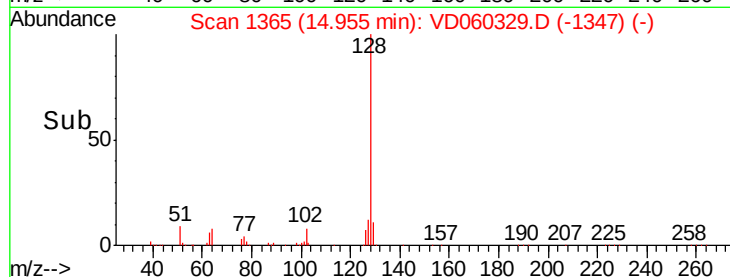
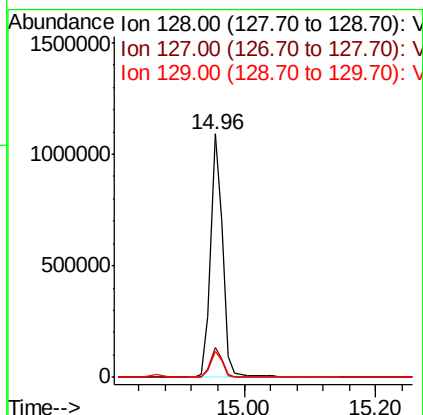
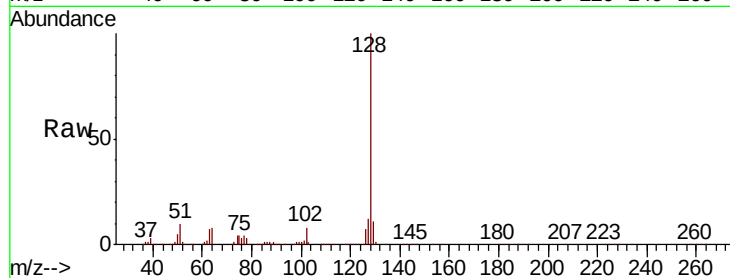




#95
Naphthalene
Concen: 48.602 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1339025
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.178 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060329.D
Acq: 12 Nov 2018 10:18

Tgt Ion:180 Resp: 871072
Ion Ratio Lower Upper
180 100
182 94.5 48.9 146.7
145 27.7 12.9 38.6

