

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060390.D
 Acq On : 16 Nov 2018 10:54
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 16 13:31:56 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	6.43	168	1728456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	2275252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1800961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	931701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	540775	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	
35) Dibromofluoromethane	6.35	113	838913	49.45	ug/l	0.02
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	9.47	98	2409010	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.43	95	880831	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	656298	48.247	ug/l	98
3) Chloromethane	1.78	50	720316	43.995	ug/l	98
4) Vinyl Chloride	1.88	62	637386	47.670	ug/l	98
5) Bromomethane	2.17	94	173603	54.725	ug/l	100
6) Chloroethane	2.28	64	226462	51.045	ug/l	93
7) Trichlorofluoromethane	2.53	101	774117	49.106	ug/l	98
8) Diethyl Ether	2.85	74	138191	48.418	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.12	101	517649	49.926	ug/l	97
10) Methyl Iodide	3.27	142	588734	43.719	ug/l	98
11) Tert butyl alcohol	4.00	59	126480	248.876	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	410253	48.644	ug/l	95
13) Acrolein	3.01	56	108251	180.269	ug/l	100
14) Allyl chloride	3.57	41	808013	50.072	ug/l	97
15) Acrylonitrile	4.12	53	684499	230.971	ug/l	100
16) Acetone	3.18	43	497284	231.645	ug/l	95
17) Carbon Disulfide	3.34	76	1242594	45.646	ug/l	100
18) Methyl Acetate	3.59	43	232690	50.835	ug/l	96
19) Methyl tert-butyl Ether	4.15	73	1203189	47.644	ug/l	99
20) Methylene Chloride	3.75	84	891407	46.809	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	922725	49.275	ug/l	99
22) Diisopropyl ether	4.89	45	3003767	49.823	ug/l	99
23) Vinyl Acetate	4.84	43	7193998	239.810	ug/l	100
24) 1,1-Dichloroethane	4.79	63	1561854	50.519	ug/l	100
25) 2-Butanone	5.64	43	1027687	230.312	ug/l	98
26) 2,2-Dichloropropane	5.62	77	1275499	53.066	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	988262	50.659	ug/l	98
28) Bromochloromethane	5.95	49	628503	46.074	ug/l	97
29) Tetrahydrofuran	5.98	42	517072	219.790	ug/l	99
30) Chloroform	6.13	83	1668321	53.979	ug/l	99
31) Cyclohexane	6.39	56	1382331	46.781	ug/l	97
32) 1,1,1-Trichloroethane	6.32	97	1341339	51.522	ug/l	98
36) 1,1-Dichloropropene	6.55	75	1201124	53.434	ug/l	98
37) Ethyl Acetate	5.72	43	504192	48.744	ug/l	98
38) Carbon Tetrachloride	6.53	117	1114974	53.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	1333120	51.564	ug/l	98
40) Benzene	6.83	78	3068577	53.479	ug/l	100
41) Methacrylonitrile	5.95	41	563167	47.569	ug/l #	79
42) 1,2-Dichloroethane	6.92	62	774270	51.554	ug/l	100
43) Isopropyl Acetate	8.37	43	629589	48.456	ug/l #	100
44) Trichloroethene	7.76	130	964253	55.437	ug/l	99
45) 1,2-Dichloropropane	8.12	63	768975	53.139	ug/l	97
46) Dibromomethane	8.24	93	428920	50.607	ug/l	95
47) Bromodichloromethane	8.52	83	1094676	54.810	ug/l	98
48) Methyl methacrylate	8.27	41	395529	50.116	ug/l	94
49) 1,4-Dioxane	8.25	88	70004	1025.161	ug/l	92
51) 4-Methyl-2-Pentanone	9.36	43	2026287	239.609	ug/l	99
52) Toluene	9.57	92	1895668	51.720	ug/l	100
53) t-1,3-Dichloropropene	9.94	75	879486	52.118	ug/l	100
54) cis-1,3-Dichloropropene	9.13	75	1171486	54.126	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	518491	48.807	ug/l	98
56) Ethyl methacrylate	10.05	69	503416	51.539	ug/l	98
57) 1,3-Dichloropropane	10.41	76	818443	50.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.95	63	1385015	234.511	ug/l	97
59) 2-Hexanone	10.51	43	1515948	251.511	ug/l	99
60) Dibromochloromethane	10.65	129	701926	54.355	ug/l	99
61) 1,2-Dibromoethane	10.78	107	556723	52.304	ug/l	99
64) Tetrachloroethene	10.27	164	873790	54.347	ug/l	97
65) Chlorobenzene	11.33	112	2120403	54.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	702975	55.059	ug/l	98
67) Ethyl Benzene	11.44	91	3590312	53.785	ug/l	99
68) m/p-Xylenes	11.58	106	2683743	108.990	ug/l	99
69) o-Xylene	11.95	106	1285857	54.053	ug/l	92
70) Styrene	11.97	104	2054620	53.443	ug/l	99
71) Bromoform	12.13	173	470392	54.828	ug/l	98
73) Isopropylbenzene	12.29	105	3466401	51.066	ug/l	99
74) N-amyl acetate	12.15	43	834824	47.969	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	524186	47.217	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	535146	48.015	ug/l	99
77) Bromobenzene	12.55	156	940779	52.176	ug/l	99
78) n-propylbenzene	12.65	91	4439470	52.396	ug/l	99
79) 2-Chlorotoluene	12.72	91	2443857	52.664	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	2727119	51.695	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	155632	49.048	ug/l	98
82) 4-Chlorotoluene	12.82	91	2675485	51.325	ug/l	99
83) tert-Butylbenzene	13.06	119	3112548	53.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2684286	50.949	ug/l	100
85) sec-Butylbenzene	13.23	105	3778325	52.581	ug/l	98
86) p-Isopropyltoluene	13.35	119	3074492	53.131	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	1667614	51.983	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	1612942	51.482	ug/l	94
89) n-Butylbenzene	13.66	91	3084527	55.962	ug/l	97
90) Hexachloroethane	13.87	117	773468	56.370	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	1331564	50.534	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	66714	49.783	ug/l	73

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

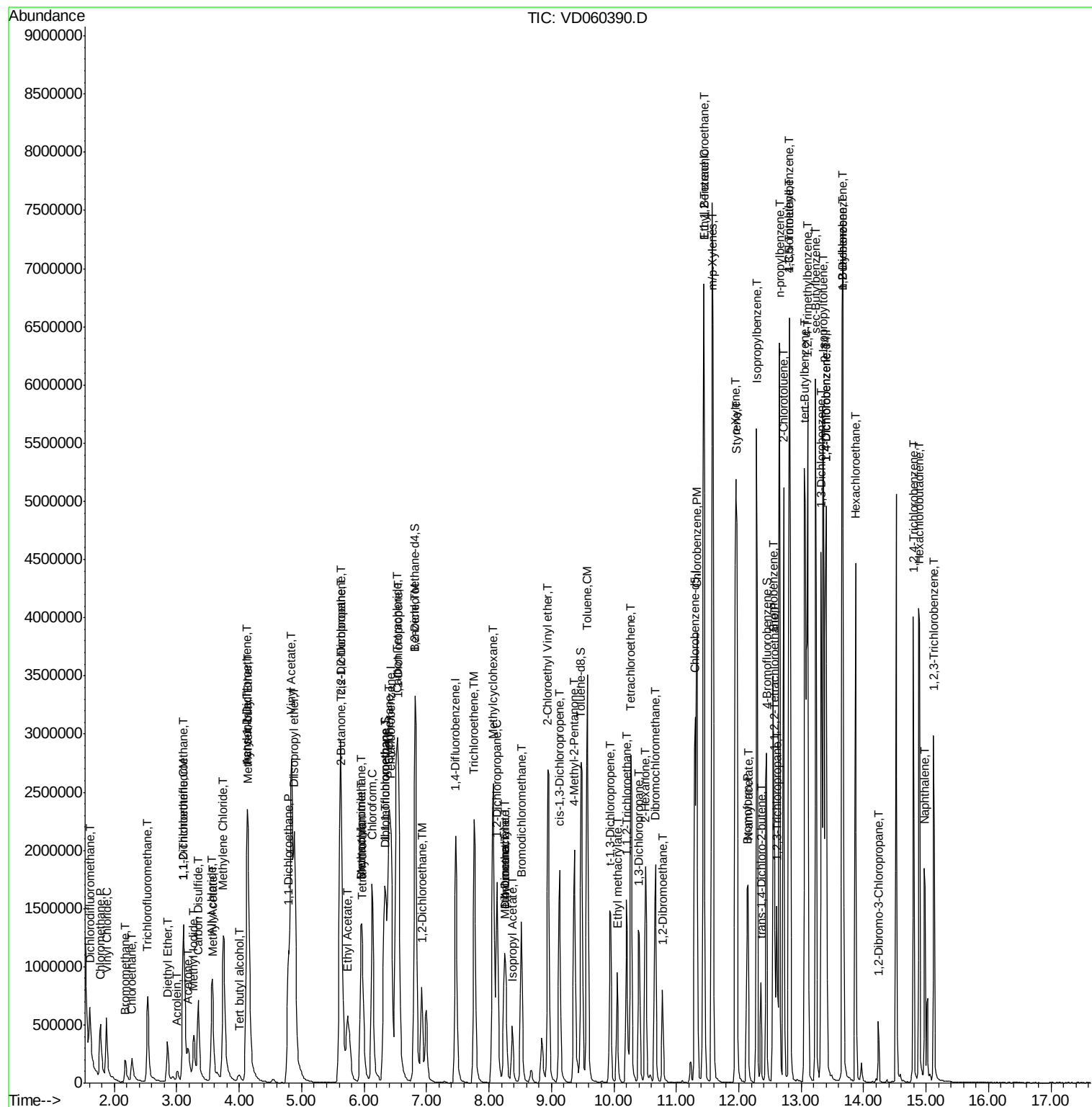
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1089173	52.135	ug/l	98
94) Hexachlorobutadiene	14.90	225	847042	54.206	ug/l	100
95) Naphthalene	14.98	128	1257515	49.295	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	864148	51.618	ug/l	97

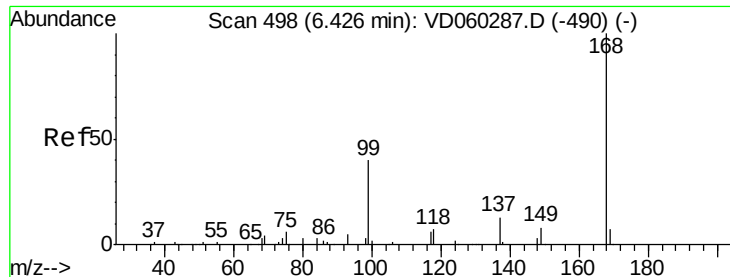
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

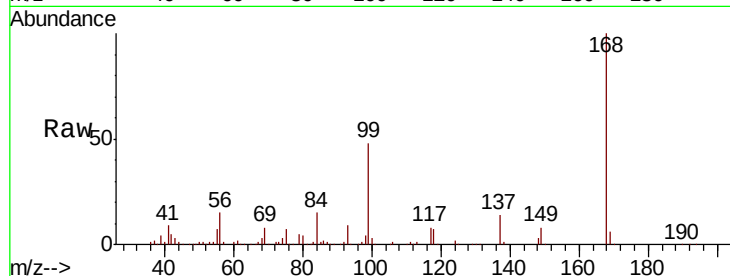
VSTDCCC050

Tot Ion:168 Resp: 1728456

Ion Ratio Lower Upper

168 100

99 48.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

600000

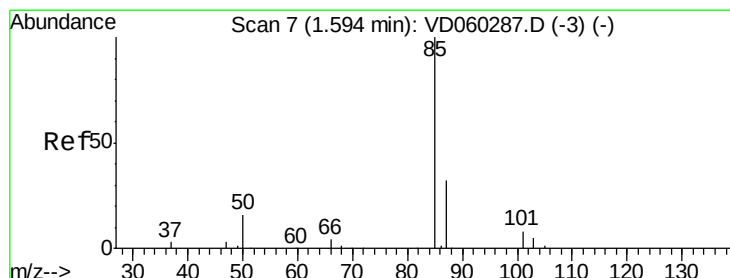
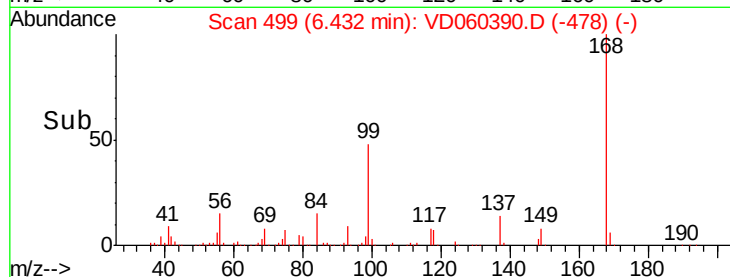
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 48.247 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060390.D

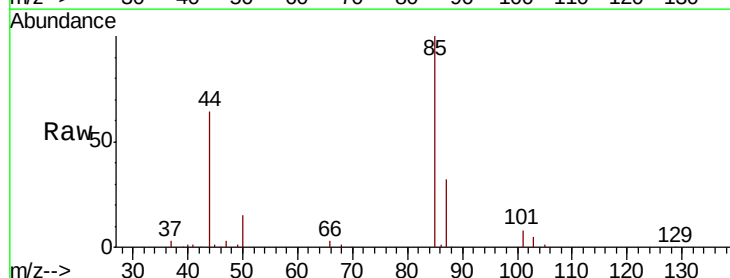
Acq: 16 Nov 2018 10:54

Tgt Ion: 85 Resp: 656298

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

250000

200000

150000

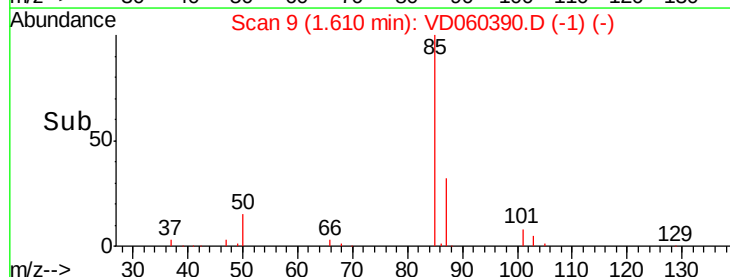
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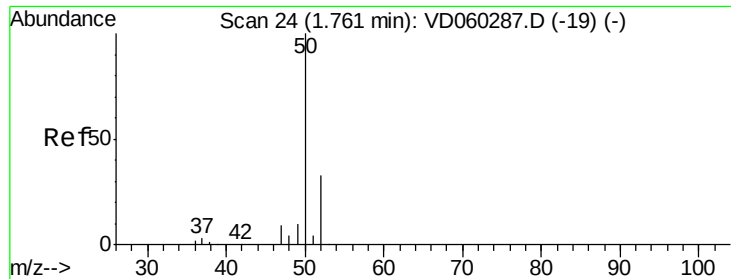
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.995 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

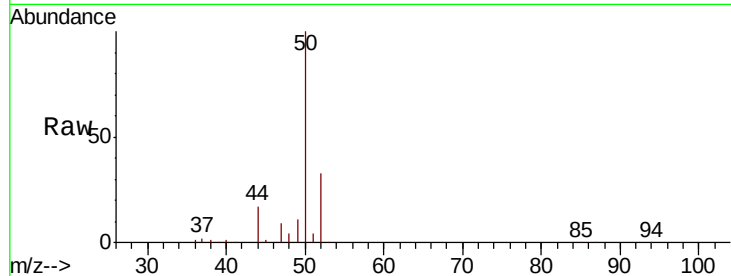
VSTDCCC050

Tot Ion: 50 Resp: 720316

Ion Ratio Lower Upper

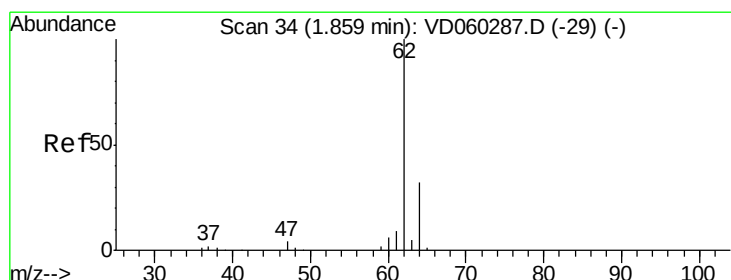
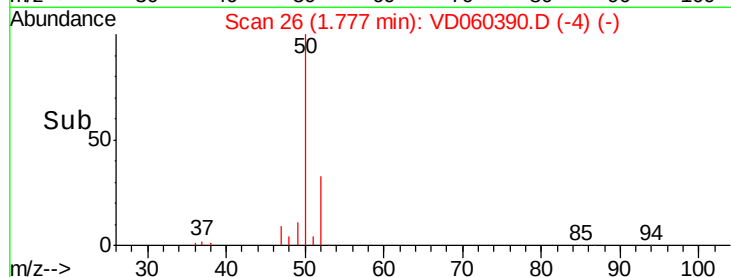
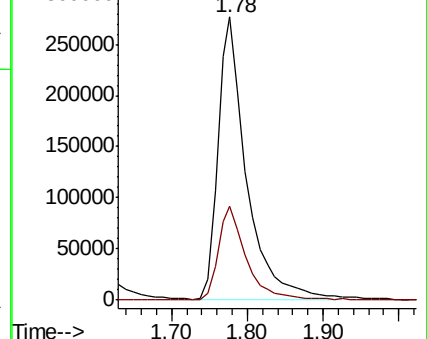
50 100

52 33.2 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: 47.670 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060390.D

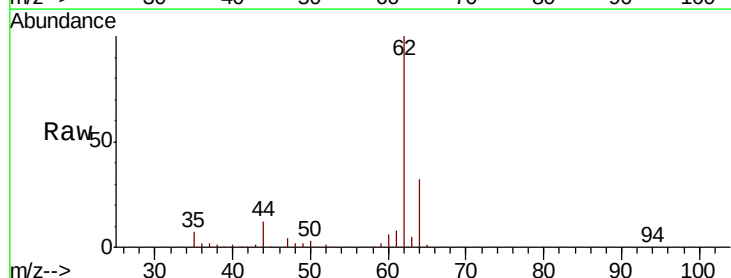
Acq: 16 Nov 2018 10:54

Tgt Ion: 62 Resp: 637386

Ion Ratio Lower Upper

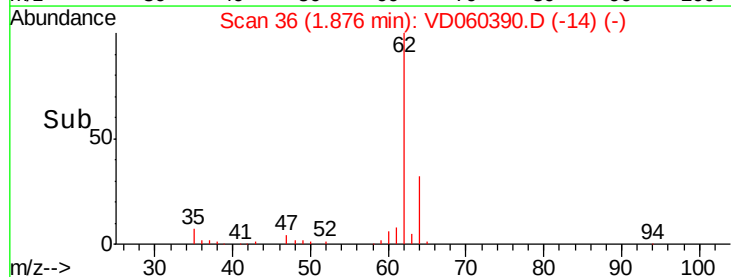
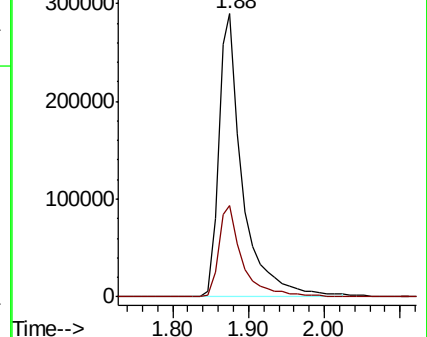
62 100

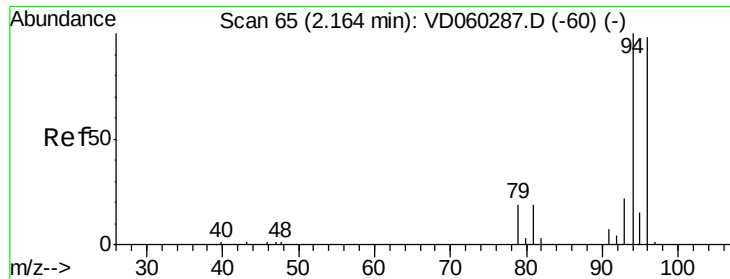
64 32.5 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

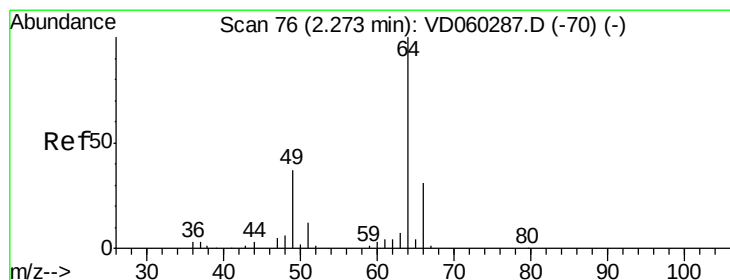
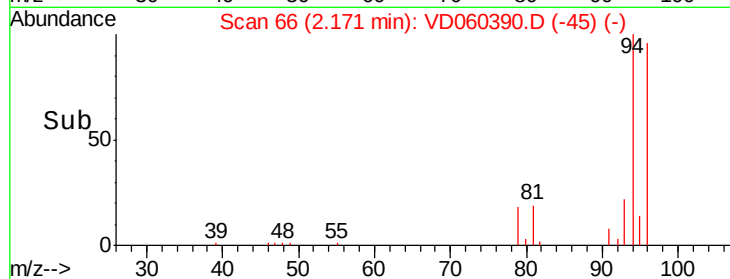
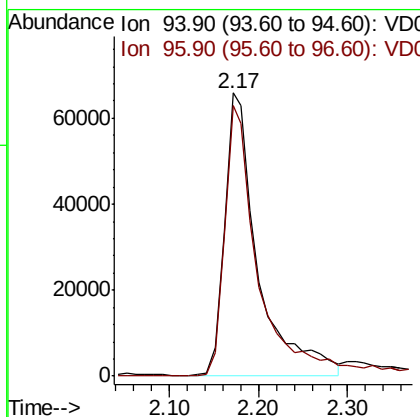
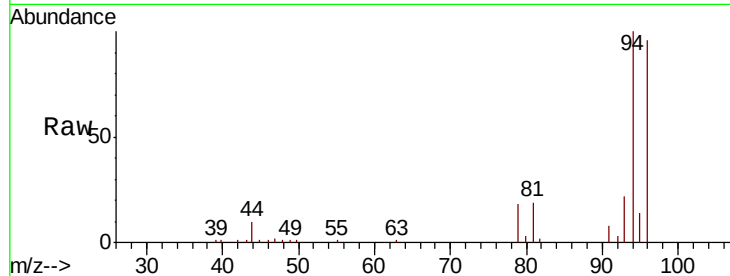




#5
Bromomethane
Concen: 54.725 ug/l
RT: 2.17 min Scan# 66
Delta R.T. 0.01 min
Lab File: VD060390.D
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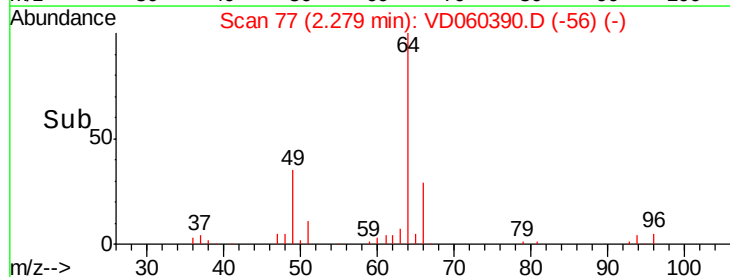
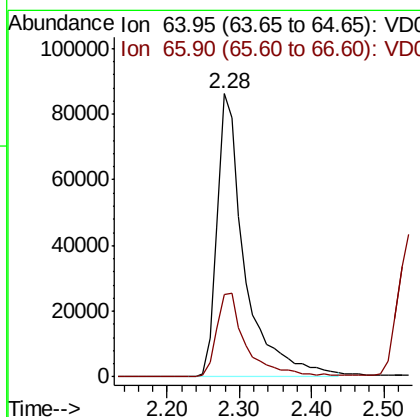
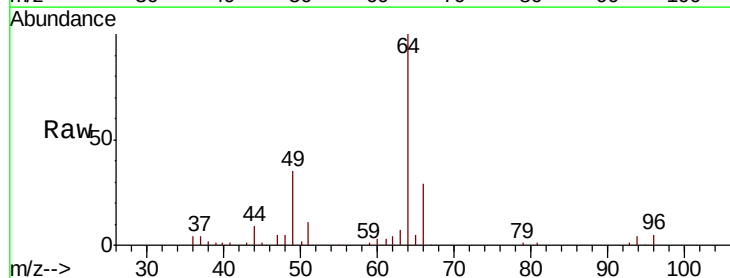
Instrument :
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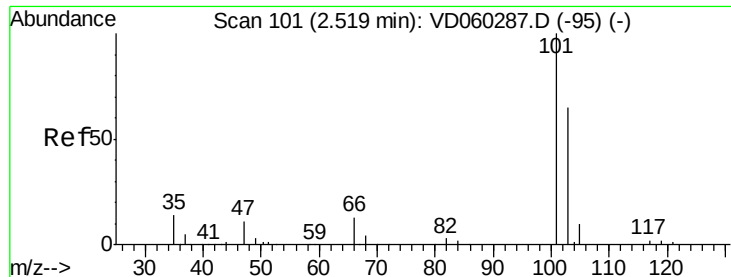
Tot Ion: 94 Resp: 173603
Ion Ratio Lower Upper
94 100
96 95.6 76.6 114.8



#6
Chloroethane
Concen: 51.045 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 64 Resp: 226462
Ion Ratio Lower Upper
64 100
66 29.3 26.6 40.0



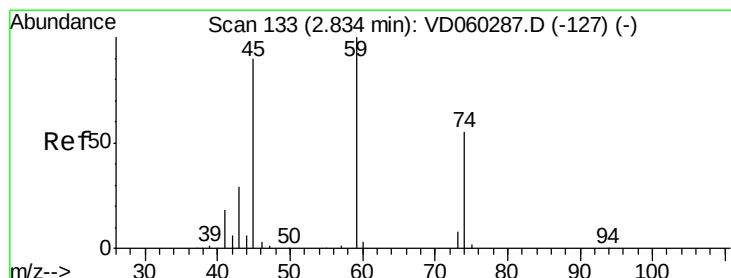
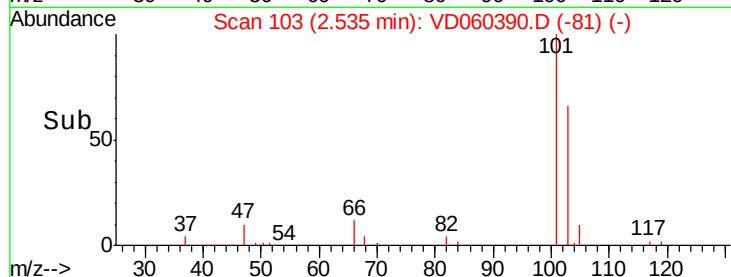
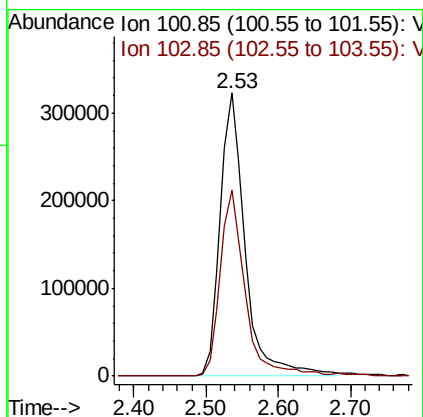
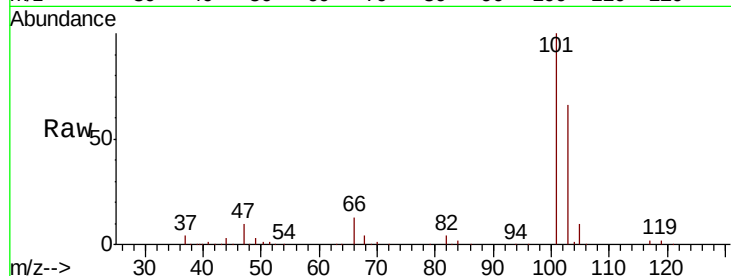


#7

Trichlorofluoromethane
 Concen: 49.106 ug/l
 RT: 2.53 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Instrument :
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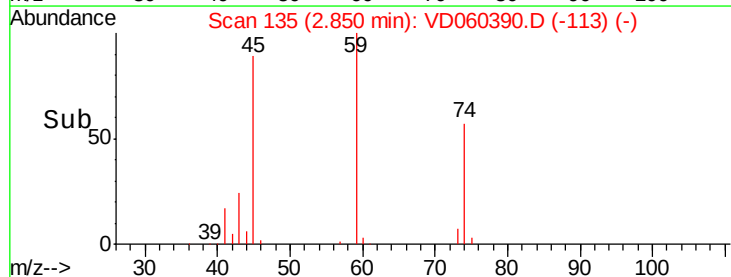
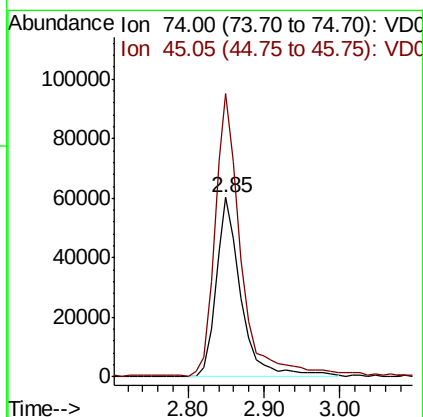
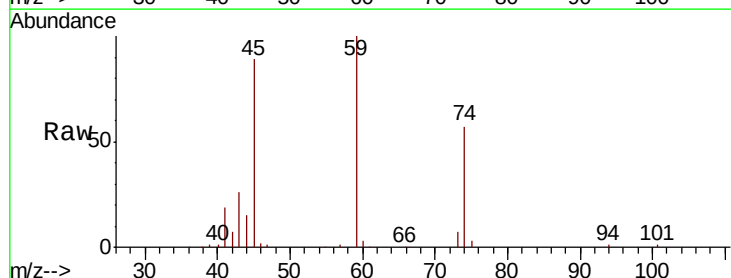
Tot Ion:101 Resp: 774117
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.6 80.4

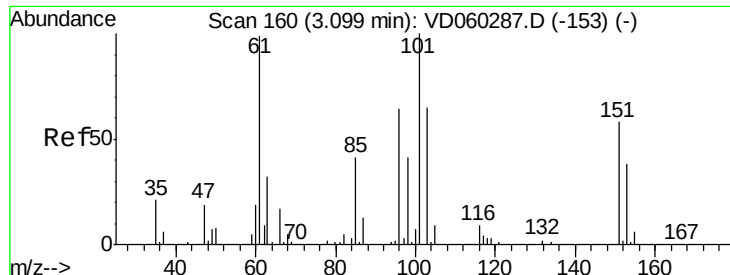


#8

Diethyl Ether
 Concen: 48.418 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 74 Resp: 138191
 Ion Ratio Lower Upper
 74 100
 45 157.6 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.926 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

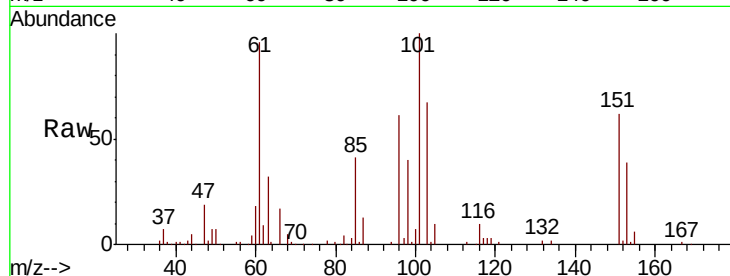
Tot Ion:101 Resp: 517649

Ion Ratio Lower Upper

101 100

85 40.6 31.4 47.0

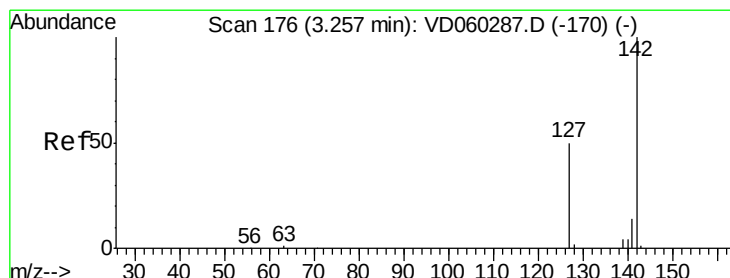
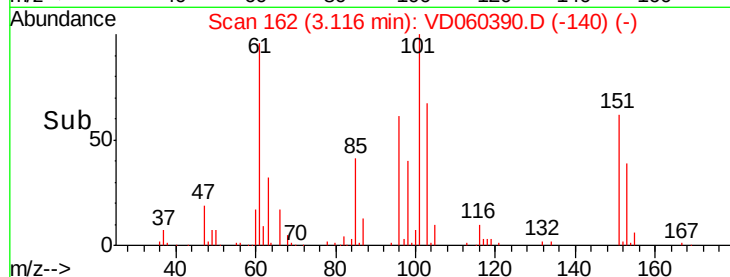
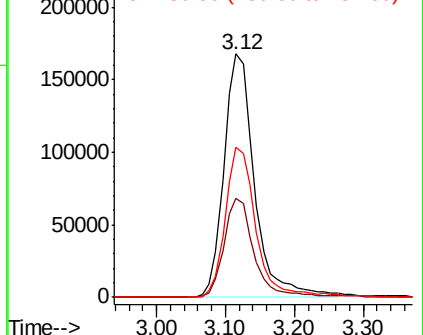
151 61.9 47.4 71.0



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: 43.719 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

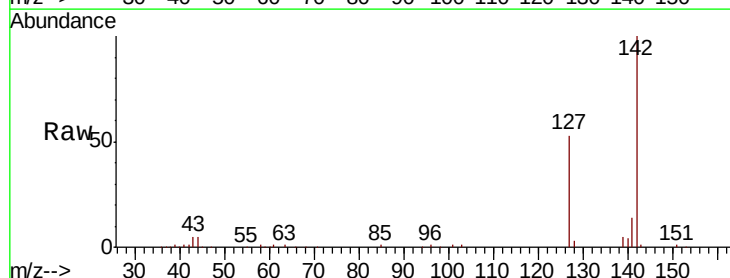
Tgt Ion:142 Resp: 588734

Ion Ratio Lower Upper

142 100

127 53.1 41.0 61.6

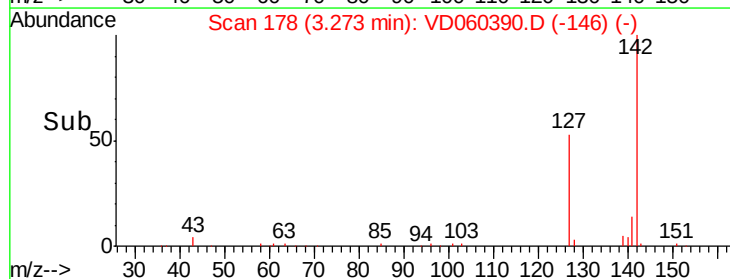
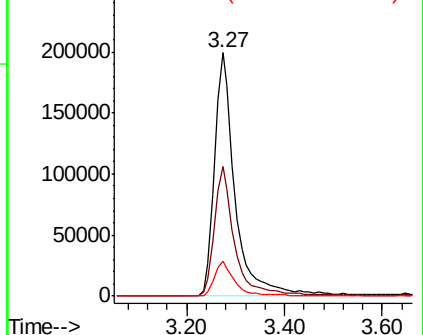
141 14.3 11.9 17.9

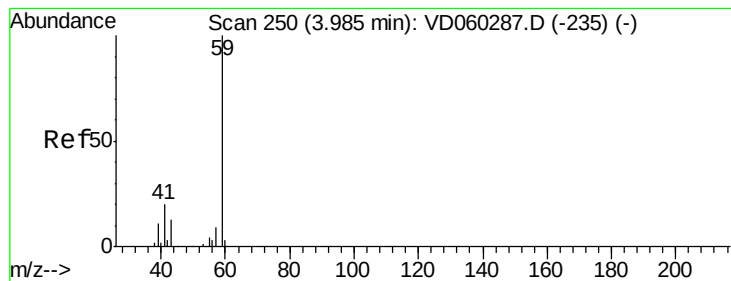


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



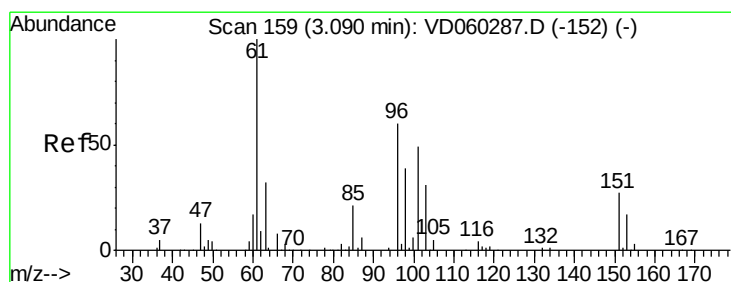
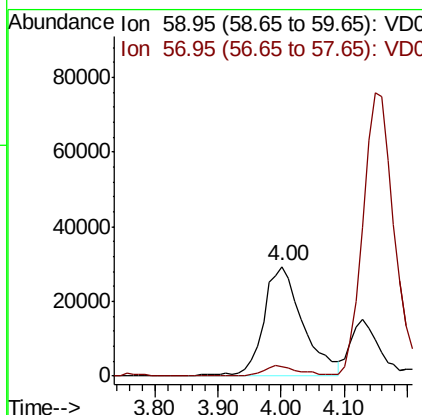
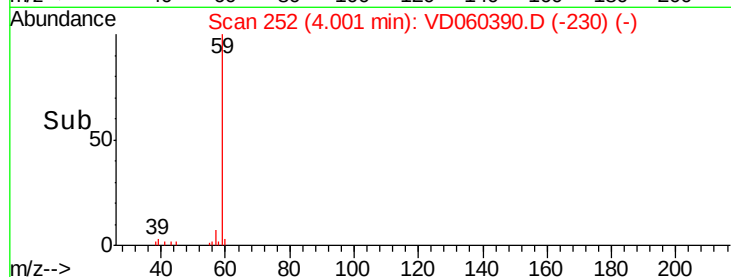
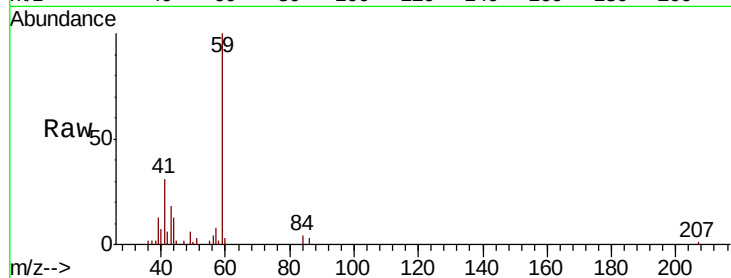


#11

Tert butyl alcohol
Concen: 248.876 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

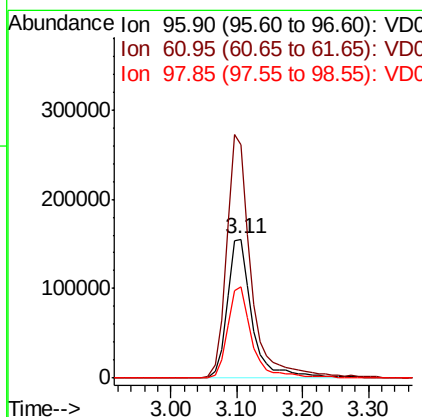
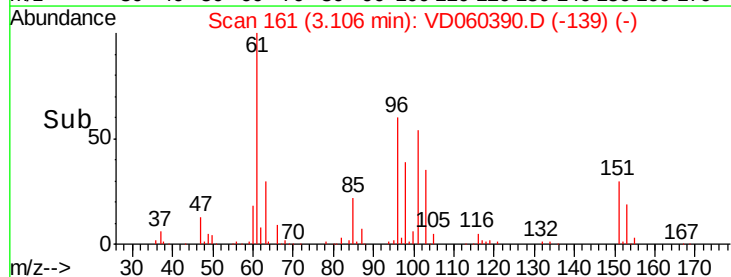
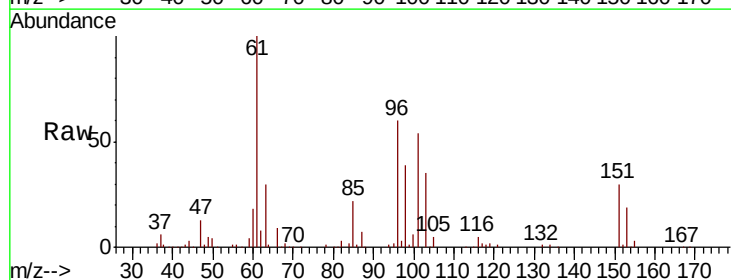
Tot Ion: 59 Resp: 126480
Ion Ratio Lower Upper
59 100
57 8.3 9.3 13.9#

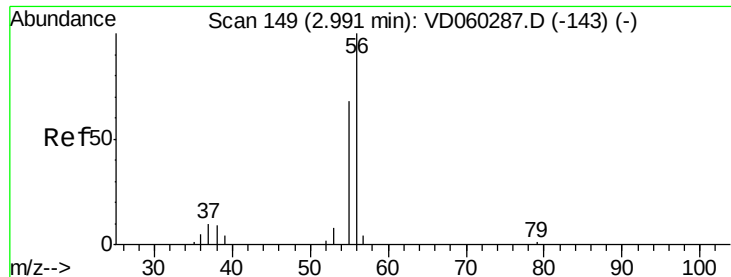


#12

1,1-Dichloroethene
Concen: 48.644 ug/l
RT: 3.11 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 96 Resp: 410253
Ion Ratio Lower Upper
96 100
61 167.4 142.2 213.4
98 65.6 52.6 79.0





#13

Acrolein

Concen: 180.269 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

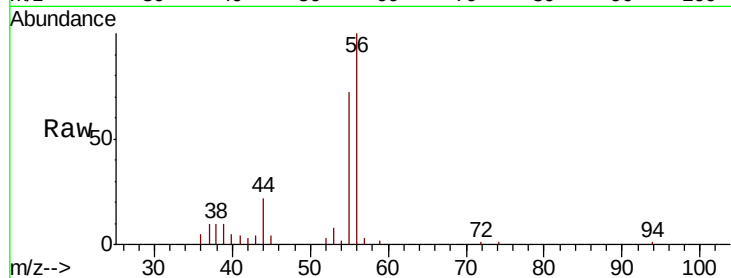
VSTDCCC050

Tot Ion: 56 Resp: 108251

Ion Ratio Lower Upper

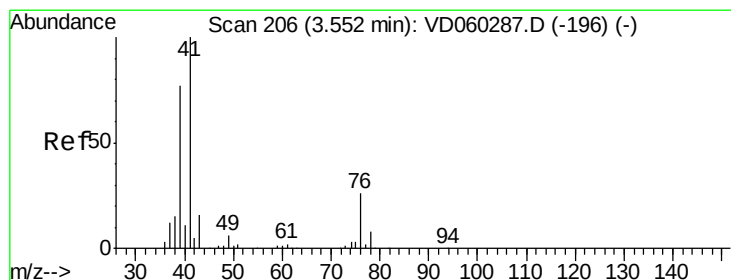
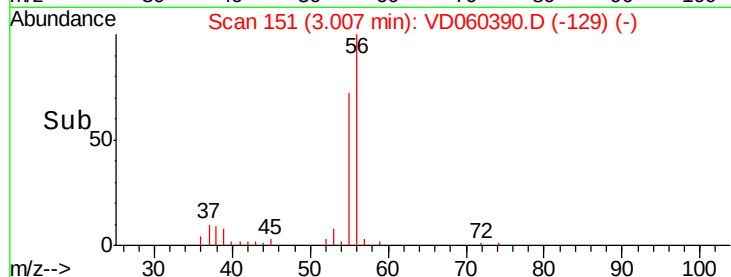
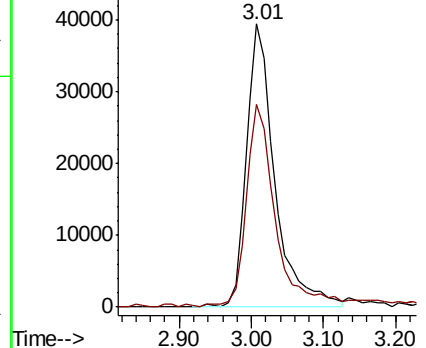
56 100

55 71.7 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: 50.072 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

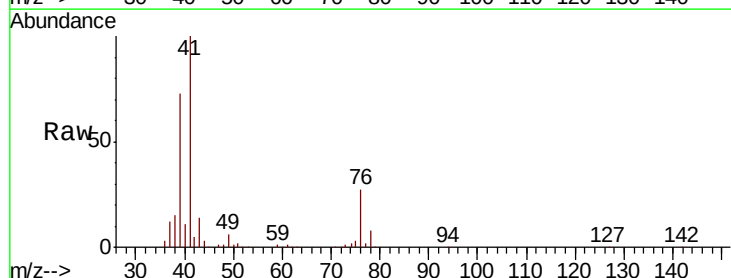
Tgt Ion: 41 Resp: 808013

Ion Ratio Lower Upper

41 100

39 72.5 60.4 90.6

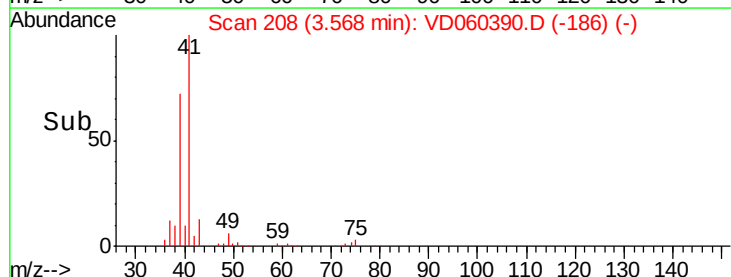
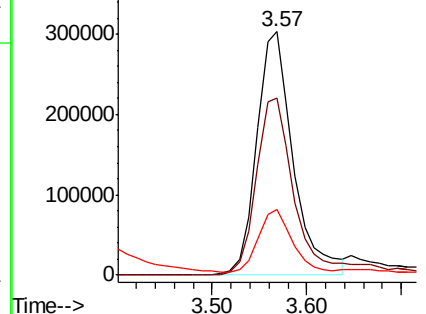
76 26.7 21.8 32.8

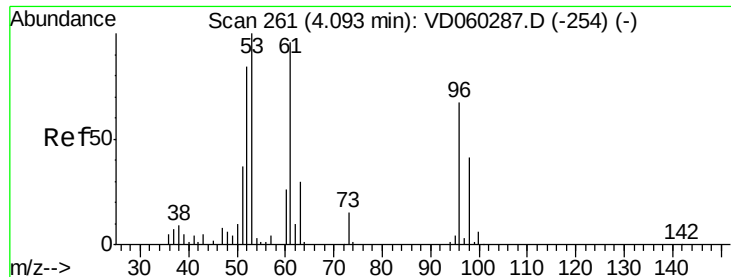


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 230.971 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

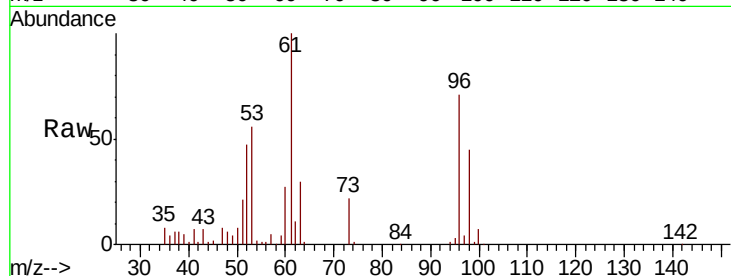
Tot Ion: 53 Resp: 684499

Ion Ratio Lower Upper

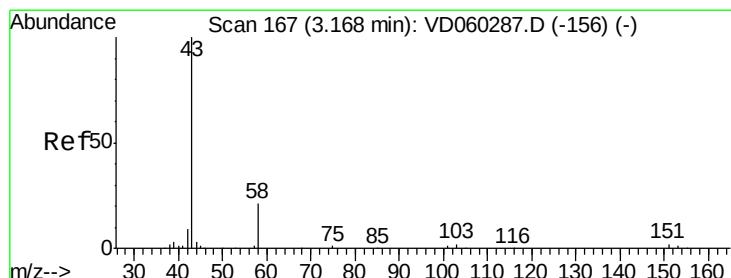
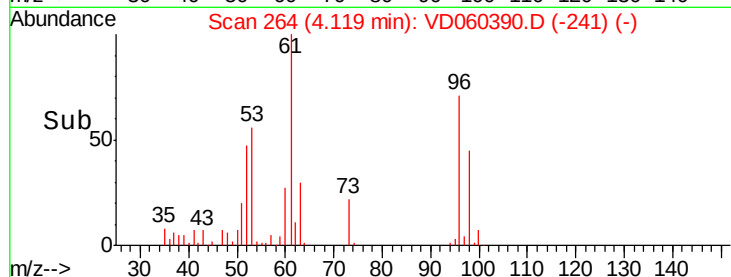
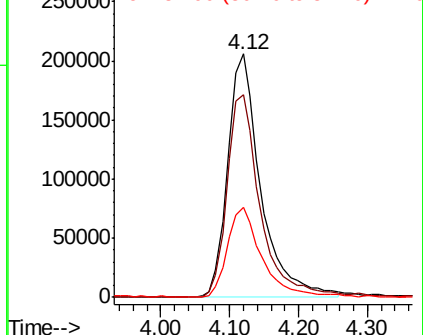
53 100

52 83.4 67.0 100.4

51 37.0 29.9 44.9



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



#16

Acetone

Concen: 231.645 ug/l

RT: 3.18 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060390.D

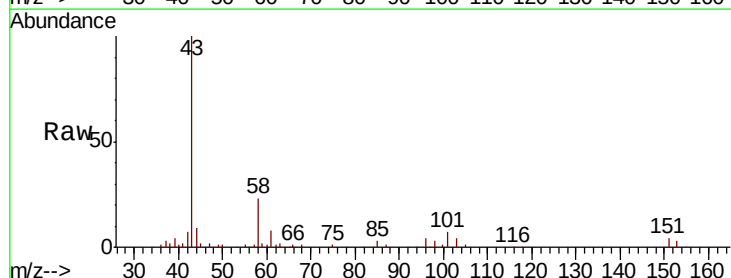
Acq: 16 Nov 2018 10:54

Tgt Ion: 43 Resp: 497284

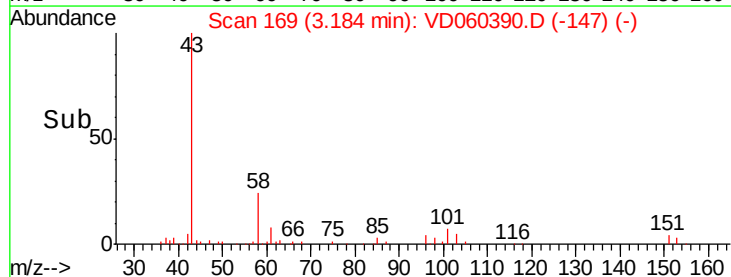
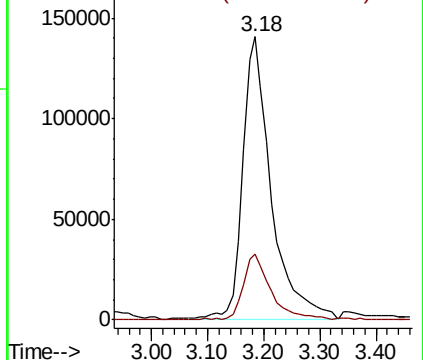
Ion Ratio Lower Upper

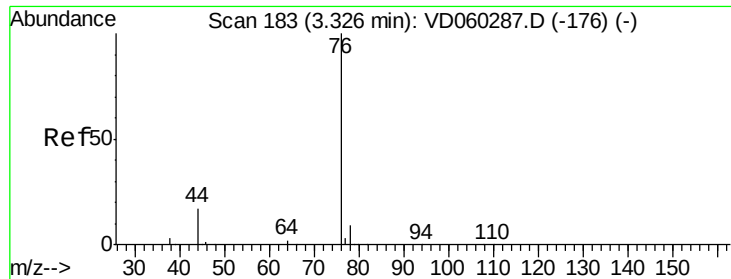
43 100

58 23.4 16.9 25.3



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

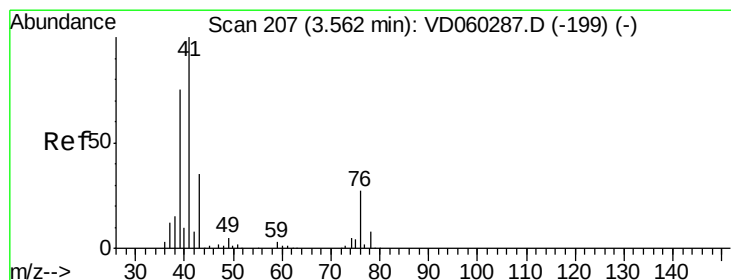
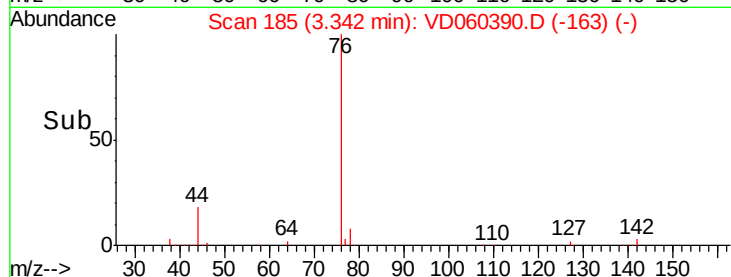
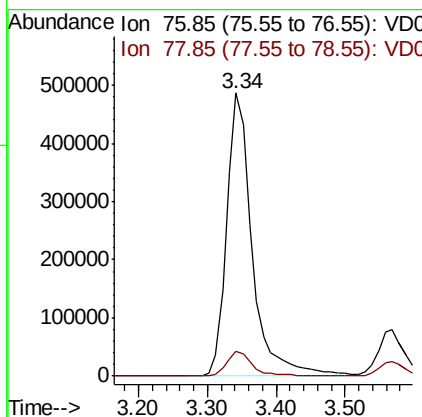
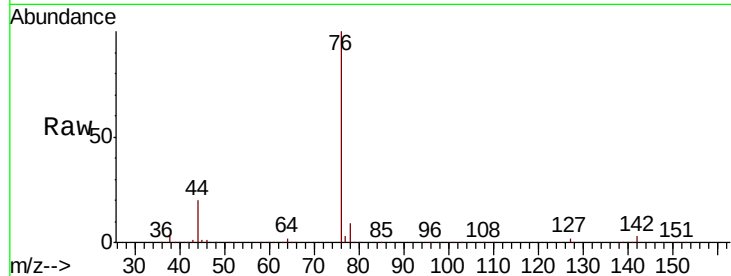




#17
Carbon Disulfide
Concen: 45.646 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

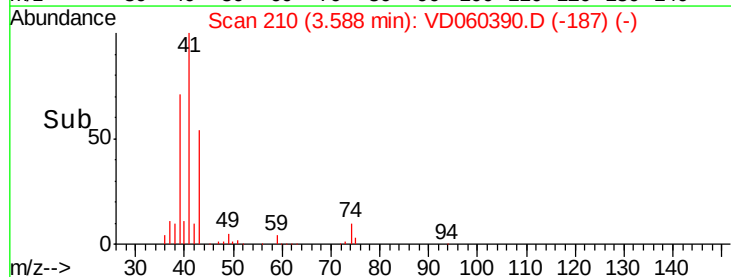
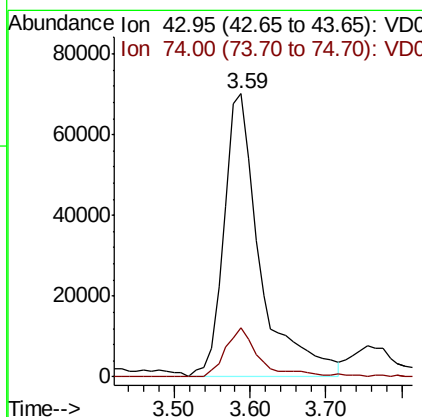
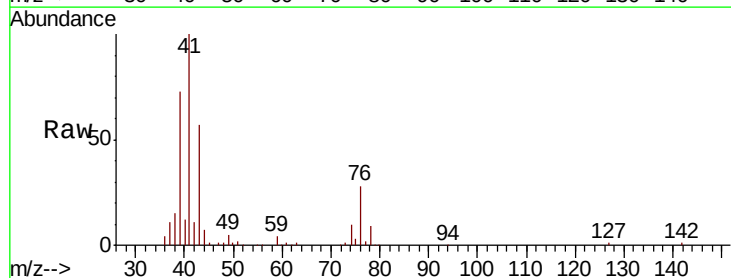
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

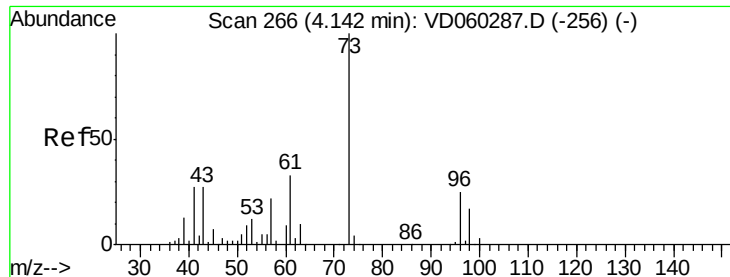
Tot Ion: 76 Resp: 1242594
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 50.835 ug/l
RT: 3.59 min Scan# 210
Delta R.T. 0.03 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 43 Resp: 232690
Ion Ratio Lower Upper
43 100
74 17.2 12.4 18.6

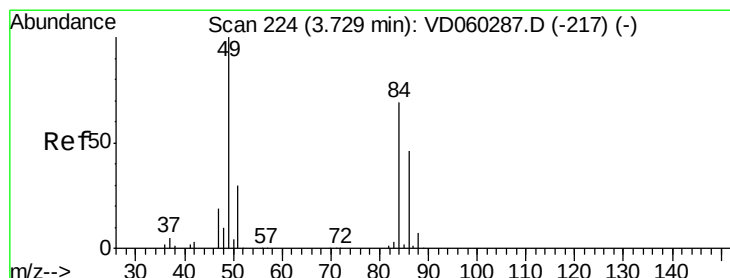
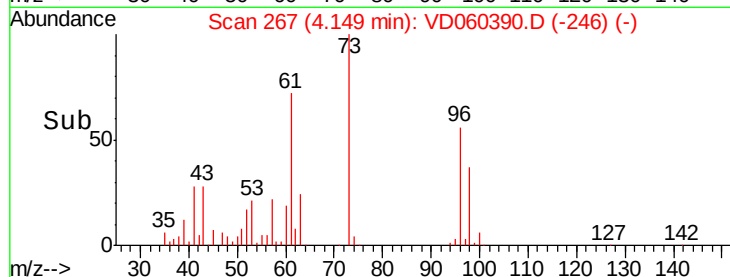
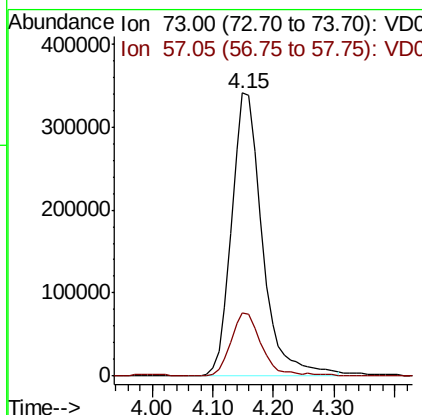
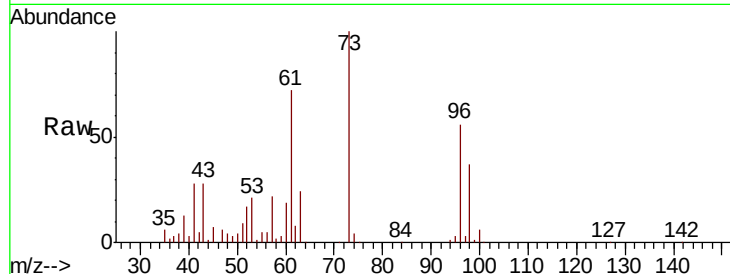




#19
Methyl tert-butyl Ether
Concen: 47.644 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

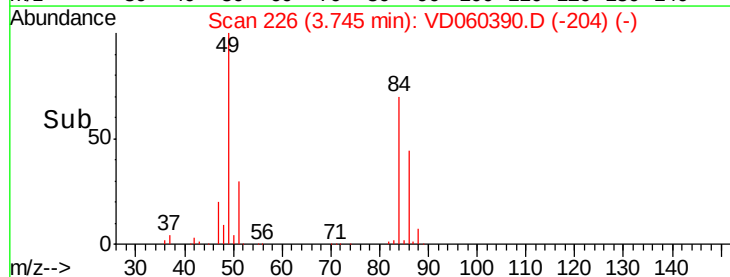
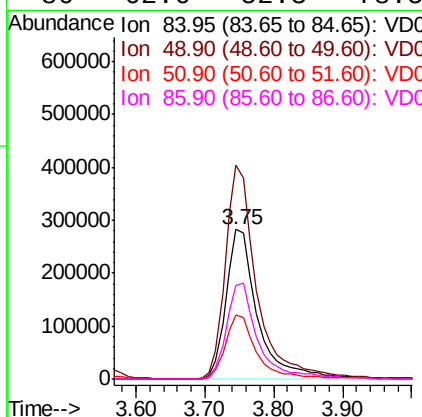
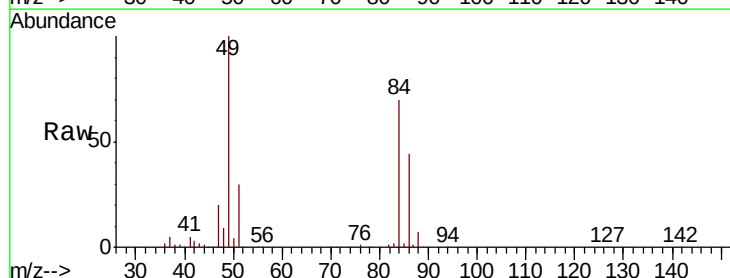
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

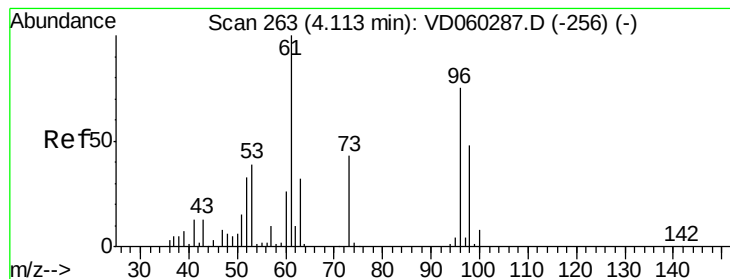
Tot Ion: 73 Resp: 1203189
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 46.809 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 84 Resp: 891407
Ion Ratio Lower Upper
84 100
49 142.9 115.6 173.4
51 42.9 35.6 53.4
86 62.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.275 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

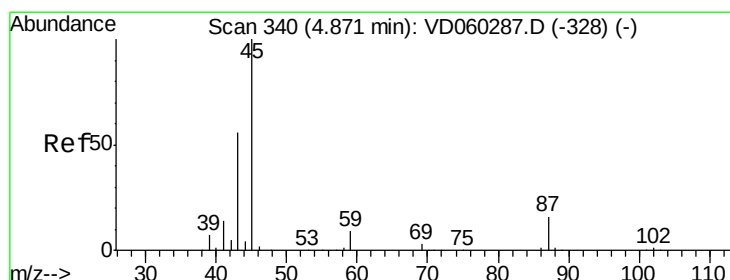
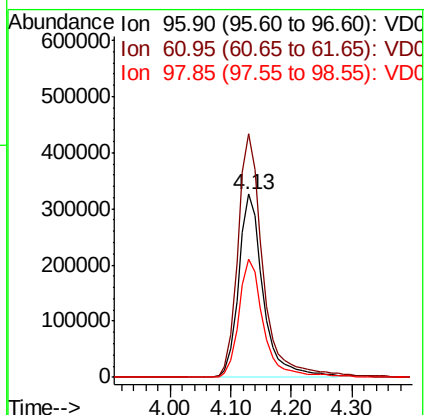
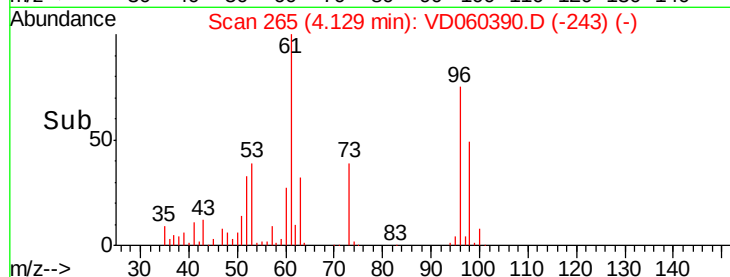
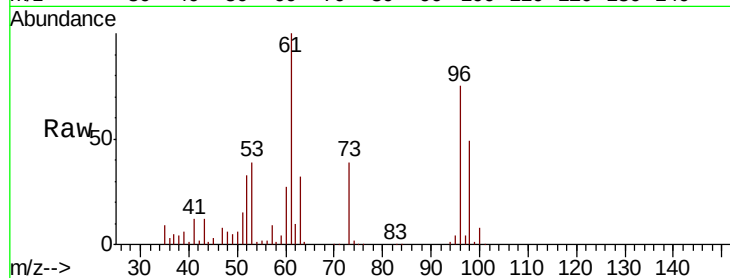
Tot Ion: 96 Resp: 922725

Ion Ratio Lower Upper

96 100

61 132.8 105.8 158.6

98 64.5 50.8 76.2



#22

Diisopropyl ether

Concen: 49.823 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Tgt Ion: 45 Resp: 3003767

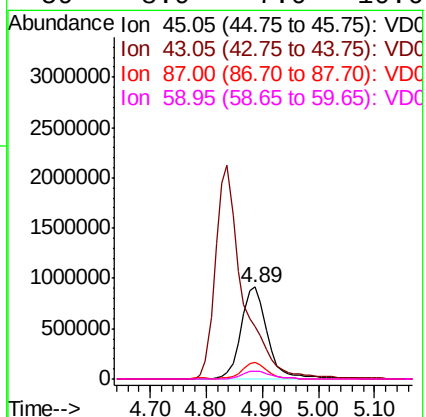
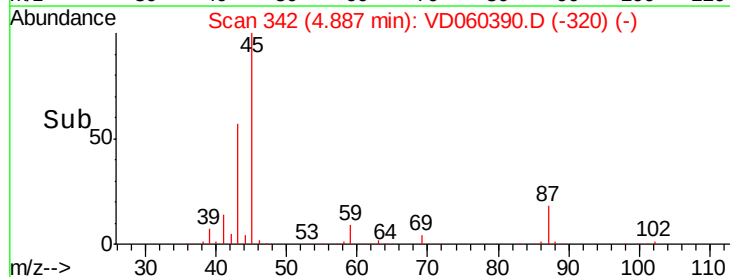
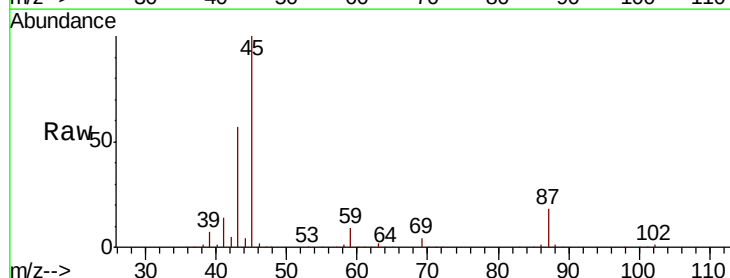
Ion Ratio Lower Upper

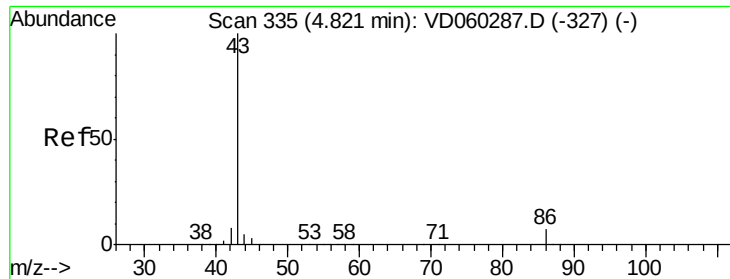
45 100

43 57.5 44.9 67.3

87 17.7 13.9 20.9

59 8.9 7.0 10.6

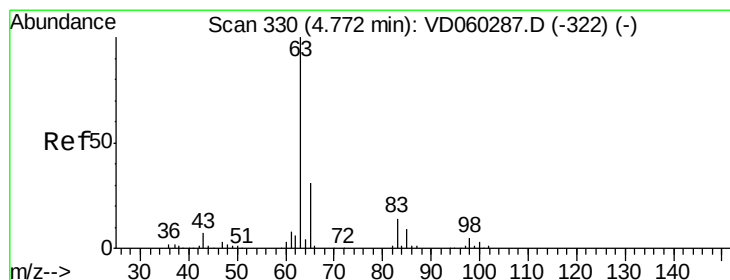
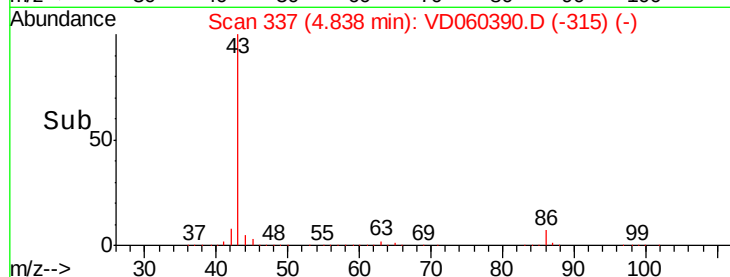
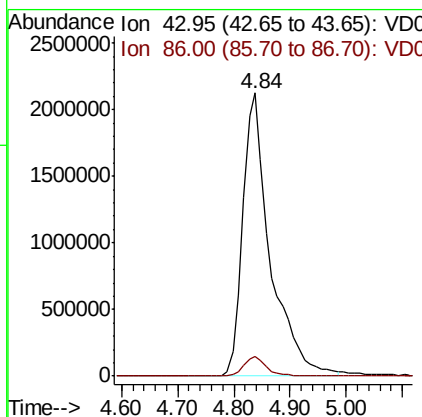
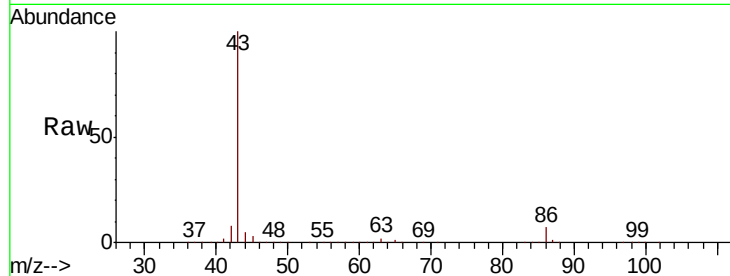




#23
 Vinyl Acetate
 Concen: 239.810 ug/l
 RT: 4.84 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

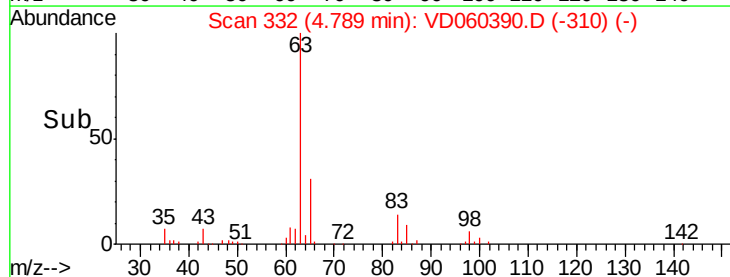
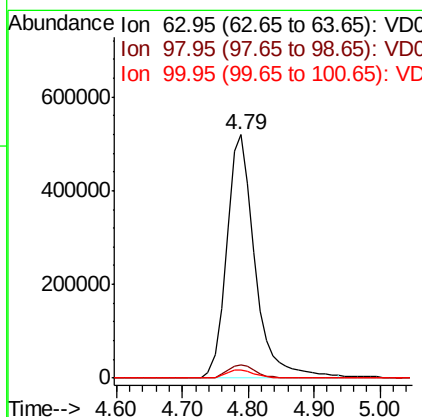
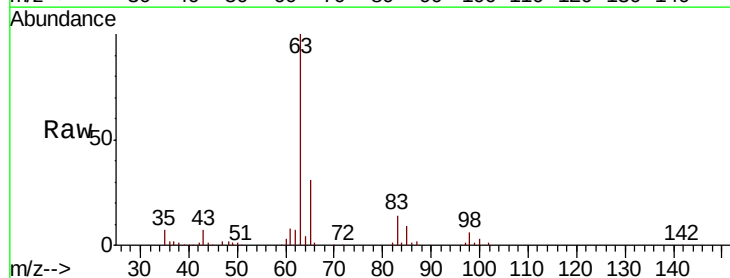
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

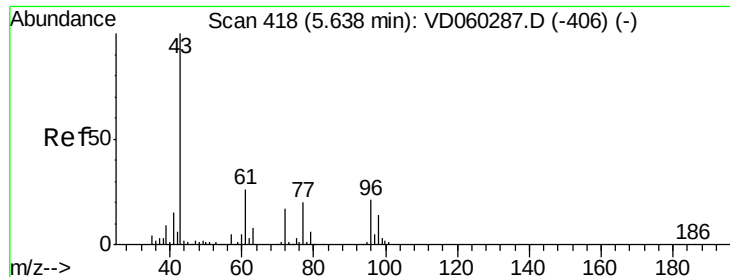
Tot Ion: 43 Resp: 7193998
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 50.519 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 63 Resp: 1561854
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 230.312 ug/l

RT: 5.64 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

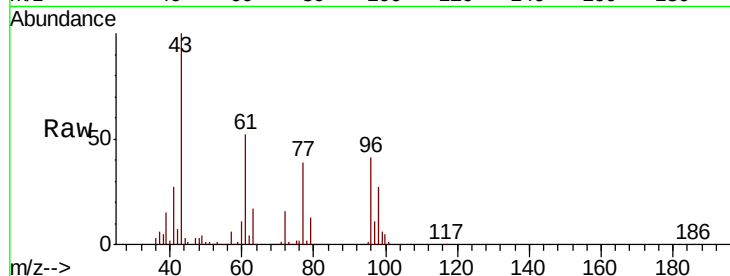
VSTDCCC050

Tot Ion: 43 Resp: 1027687

Ion Ratio Lower Upper

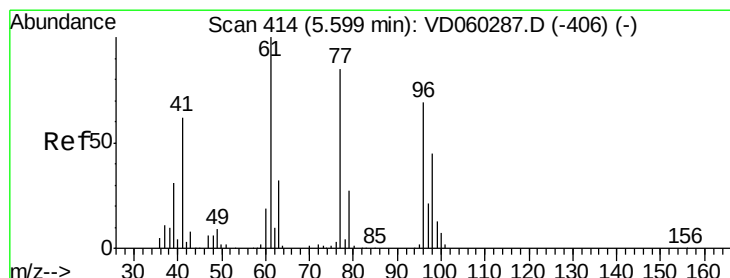
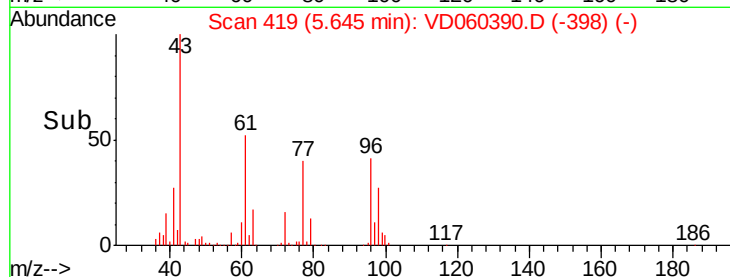
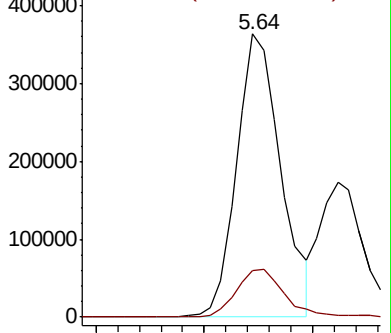
43 100

72 16.4 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: 53.066 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060390.D

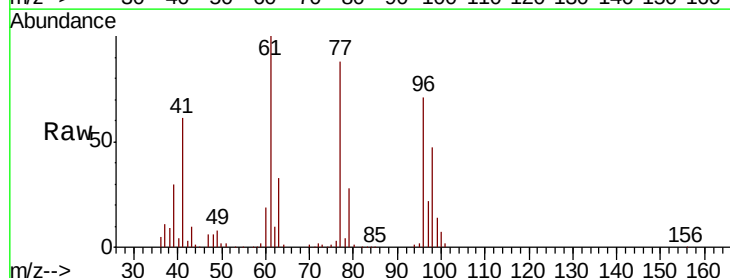
Acq: 16 Nov 2018 10:54

Tgt Ion: 77 Resp: 1275499

Ion Ratio Lower Upper

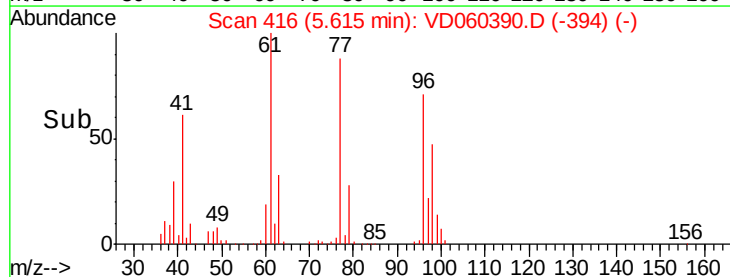
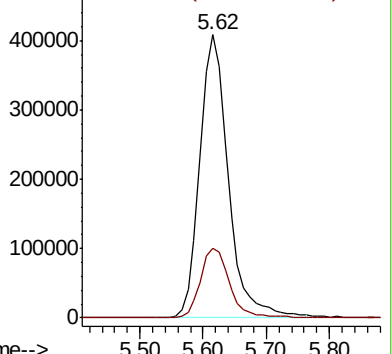
77 100

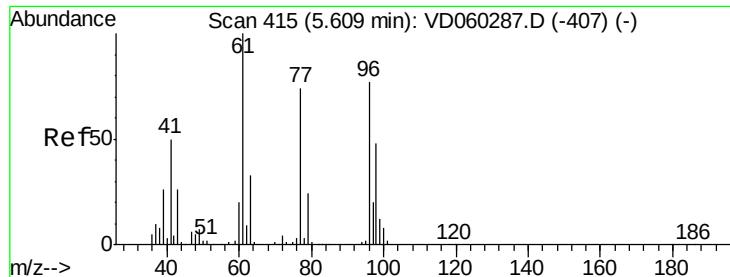
97 24.6 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



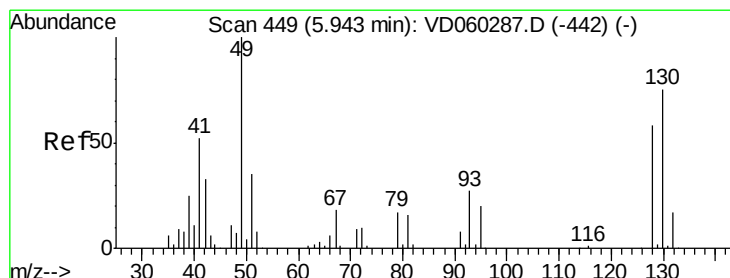
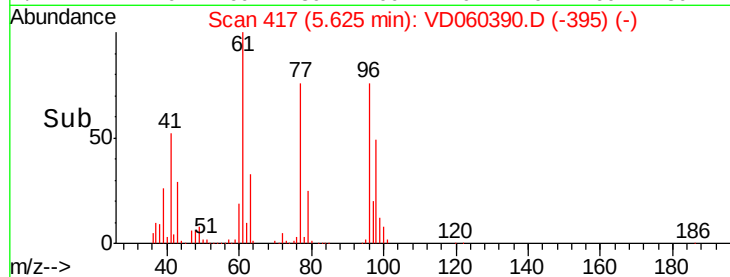
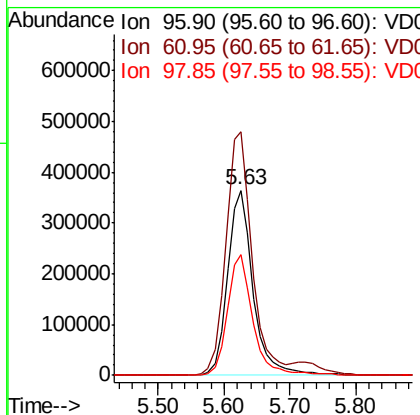
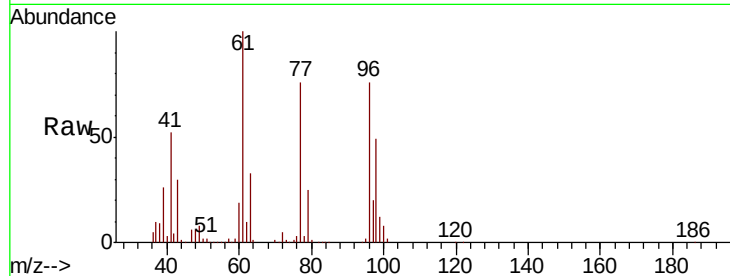


#27

cis-1,2-Dichloroethene
 Concen: 50.659 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

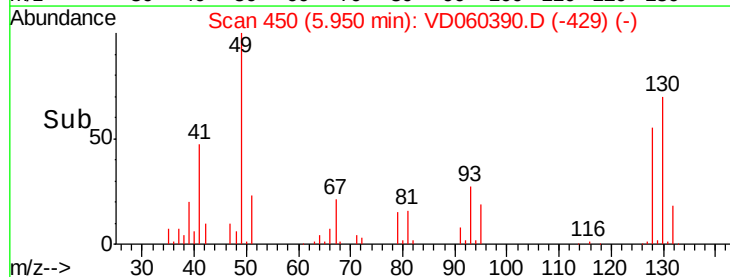
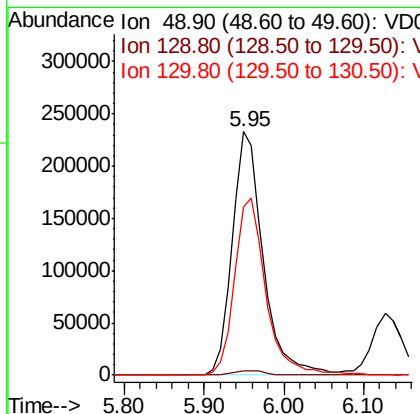
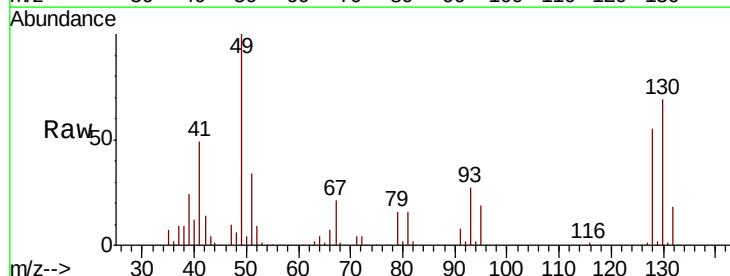
Tot Ion: 96 Resp: 988262
 Ion Ratio Lower Upper
 96 100
 61 131.8 0.0 259.0
 98 65.1 0.0 128.8

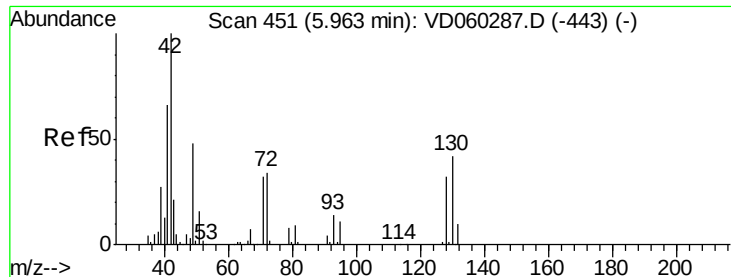


#28

Bromochloromethane
 Concen: 46.074 ug/l
 RT: 5.95 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 49 Resp: 628503
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.8
 130 69.3 53.6 80.4

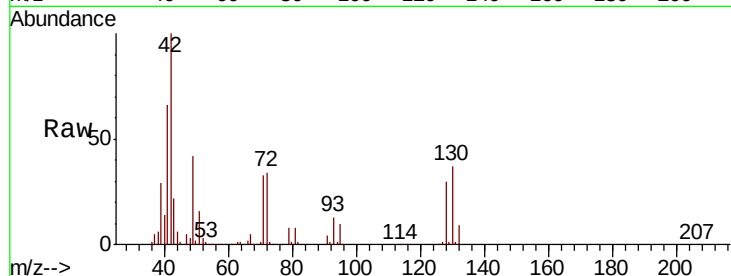




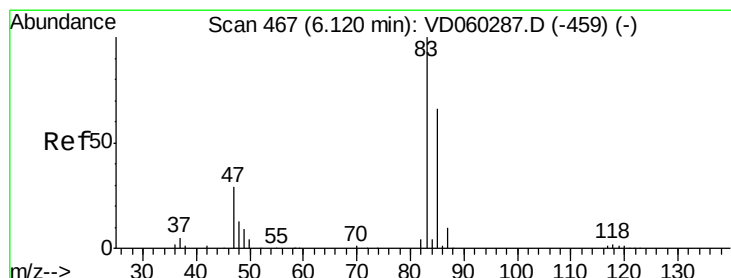
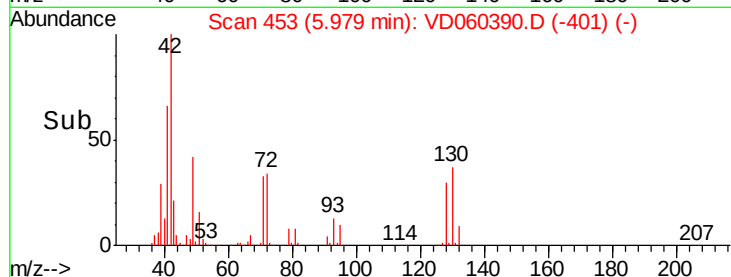
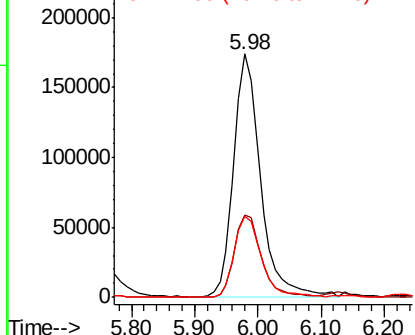
#29
Tetrahydrofuran
Concen: 219.790 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 517072
Ion Ratio Lower Upper
42 100
72 33.9 27.6 41.4
71 33.7 26.5 39.7

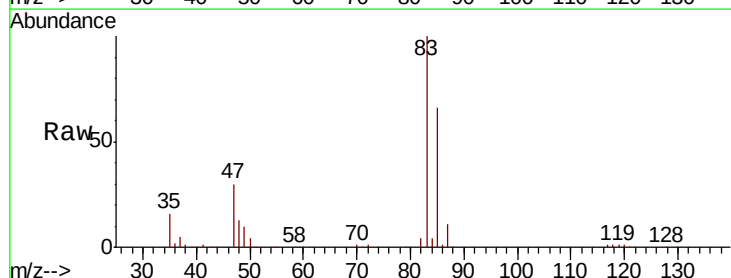


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

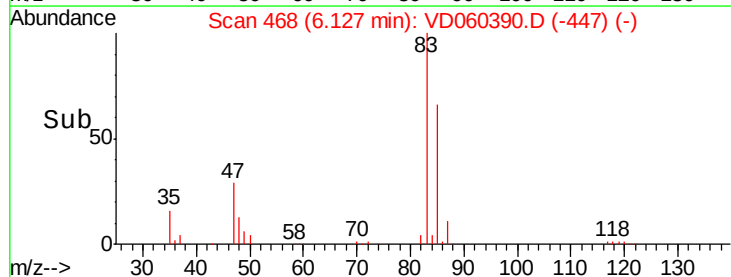
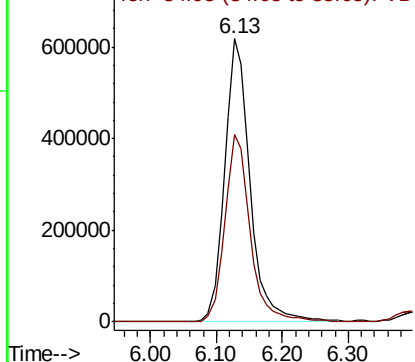


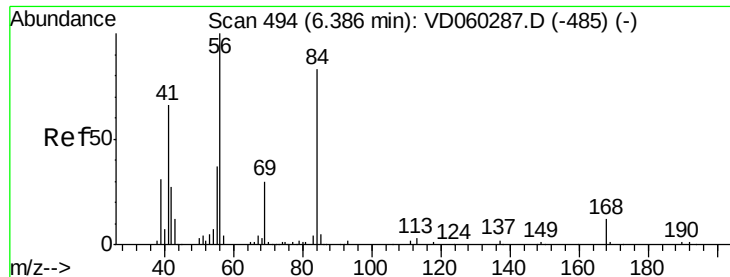
#30
Chloroform
Concen: 53.979 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 83 Resp: 1668321
Ion Ratio Lower Upper
83 100
85 66.1 52.5 78.7



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

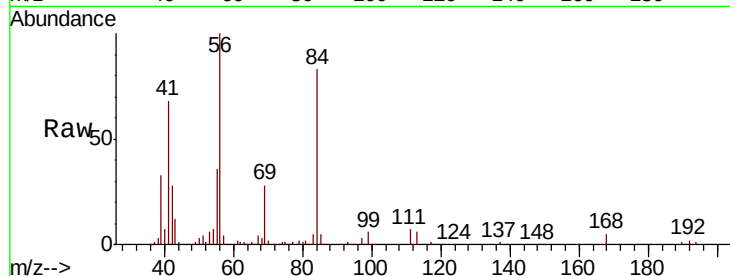




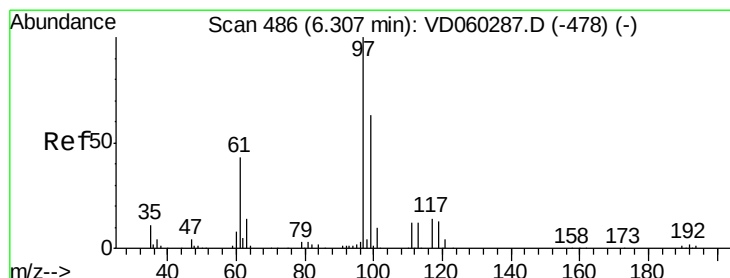
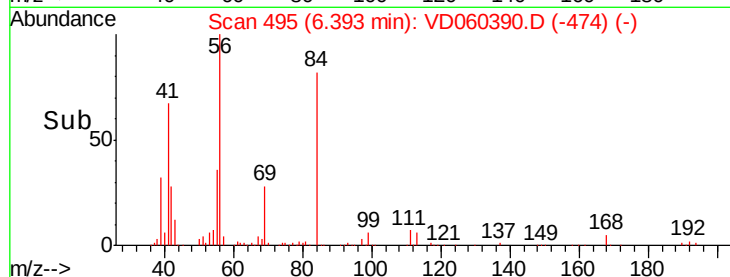
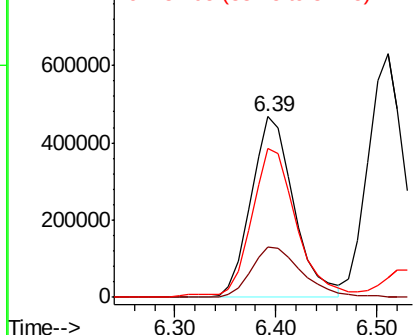
#31
Cyclohexane
Concen: 46.781 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1382331
Ion Ratio Lower Upper
56 100
69 27.8 22.2 33.2
84 82.8 63.0 94.4

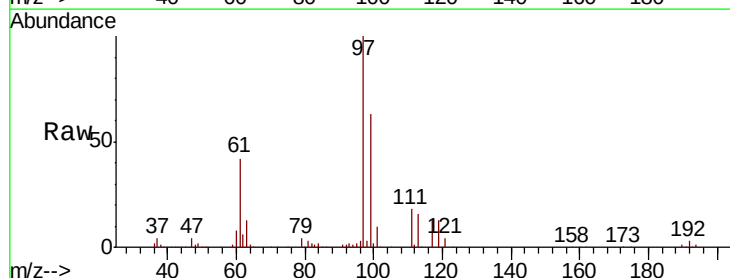


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

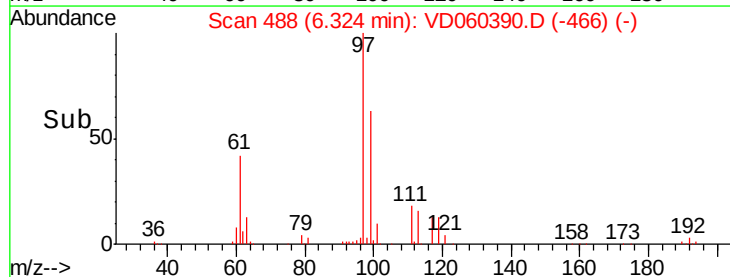
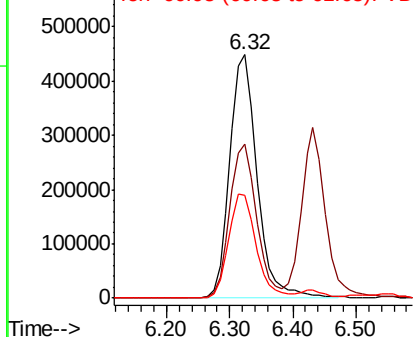


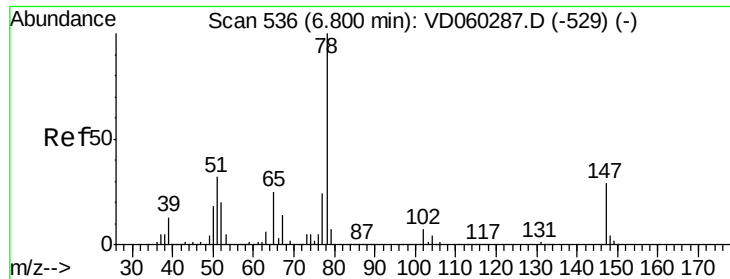
#32
1,1,1-Trichloroethane
Concen: 51.522 ug/l
RT: 6.32 min Scan# 488
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 97 Resp: 1341339
Ion Ratio Lower Upper
97 100
99 63.4 51.5 77.3
61 42.3 35.8 53.8



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

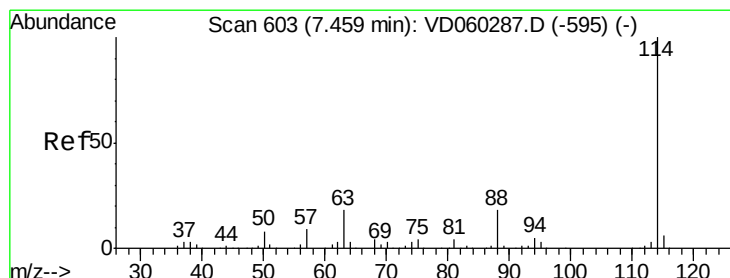
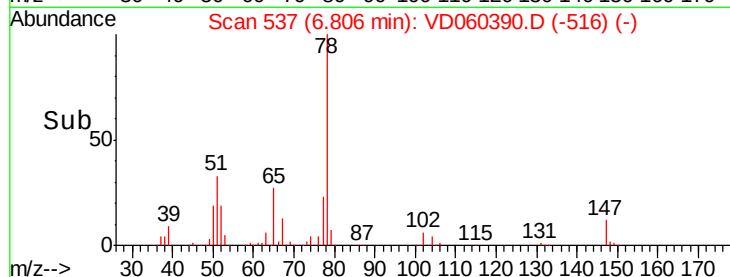
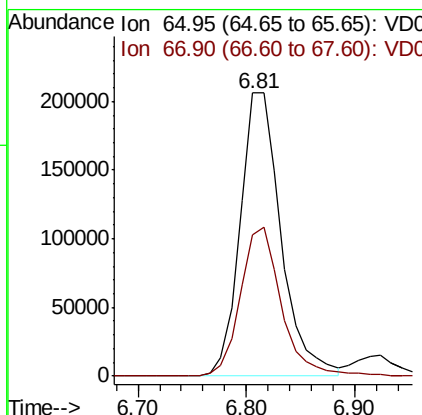
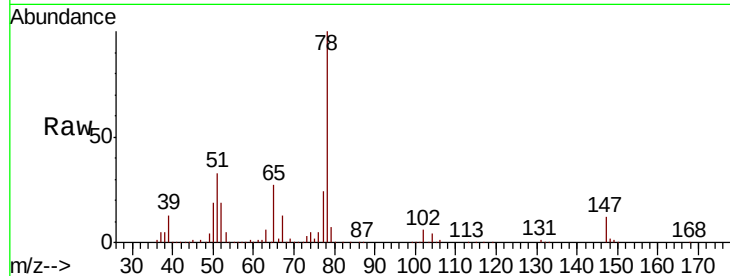




#33
 1,2-Dichloroethane-d4
 Concen: 51.522 ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

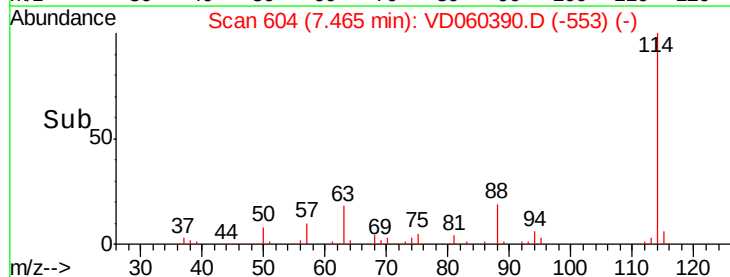
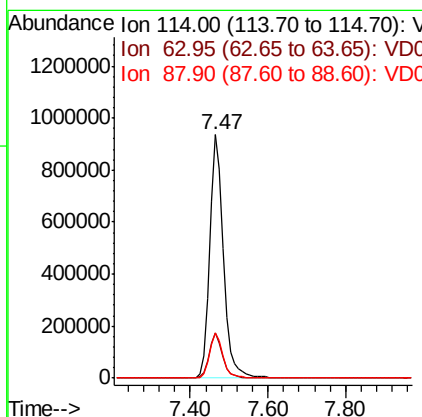
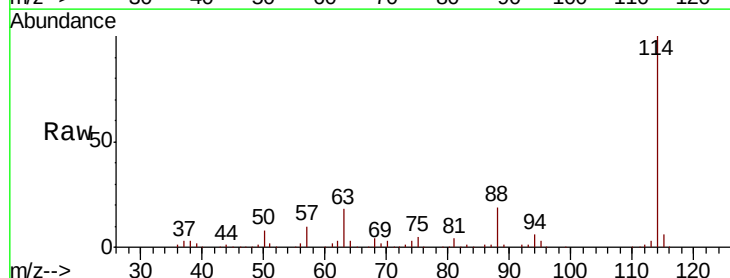
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

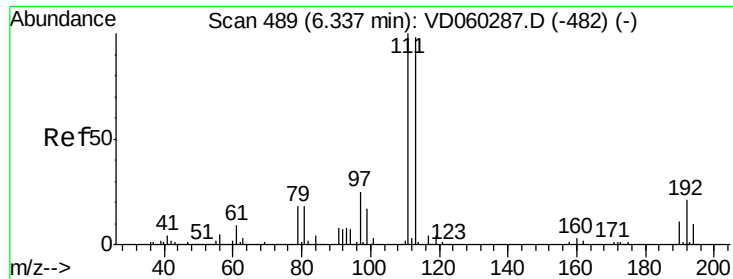
Tot Ion: 65 Resp: 540775
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 114 Resp: 2275252
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.0
 88 18.6 0.0 35.4

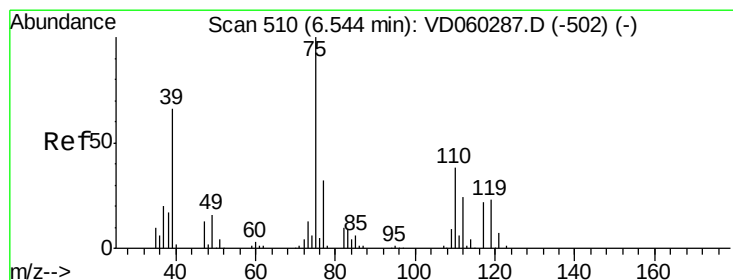
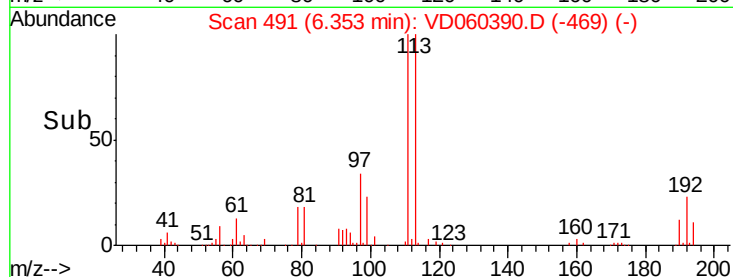
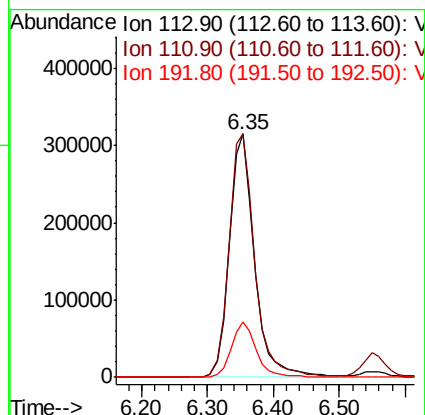
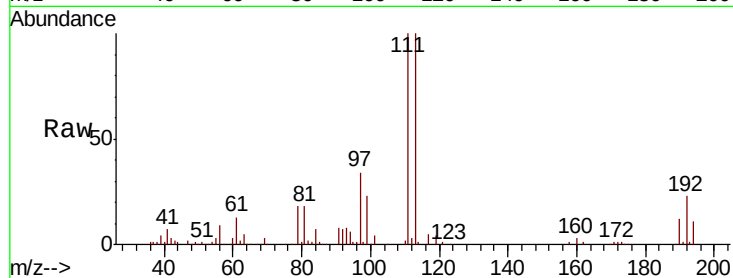




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

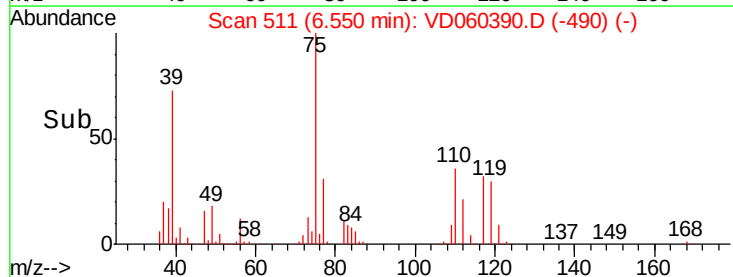
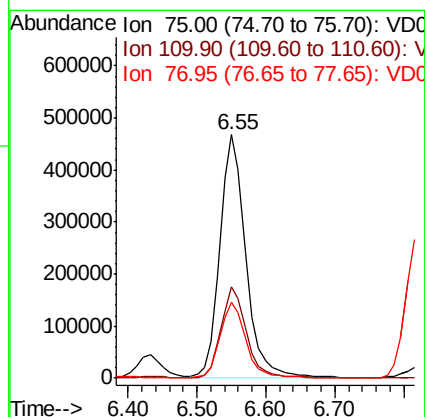
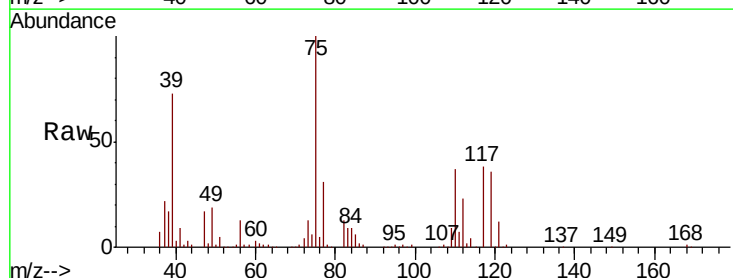
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

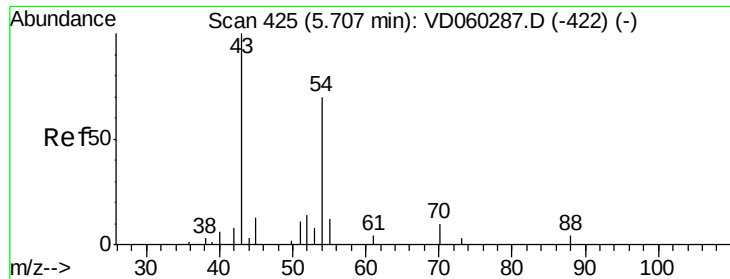
Tot Ion:113 Resp: 838913
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.6 122.4
 192 22.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 53.434 ug/l
 RT: 6.55 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 75 Resp: 1201124
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.0 54.0
 77 30.9 25.6 38.4

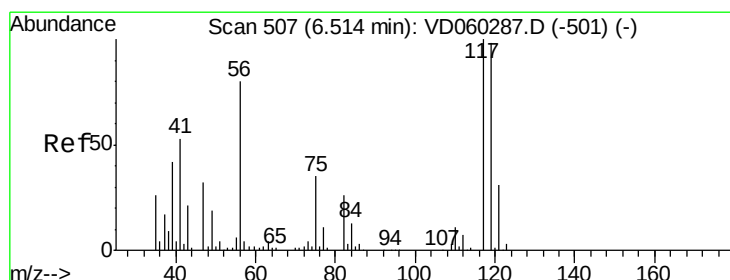
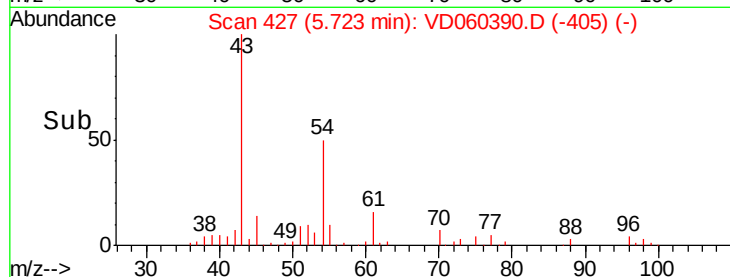
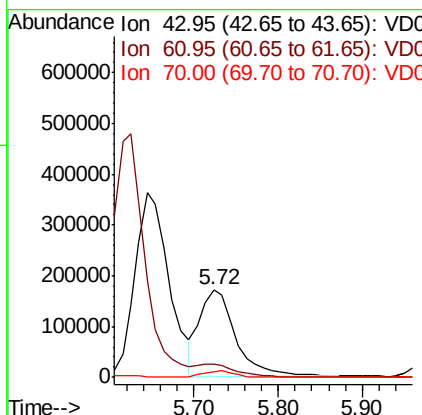
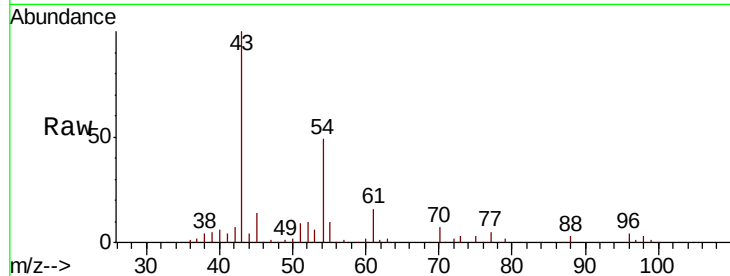




#37
Ethyl Acetate
Concen: 48.744 ug/l
RT: 5.72 min Scan# 427
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

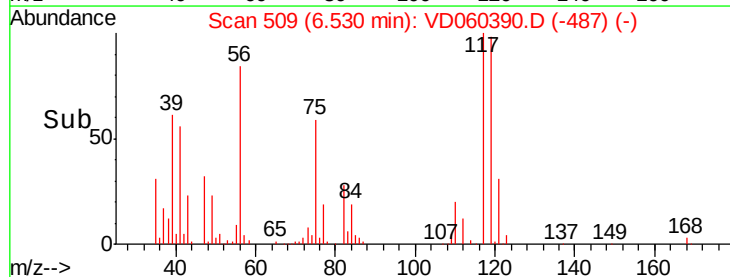
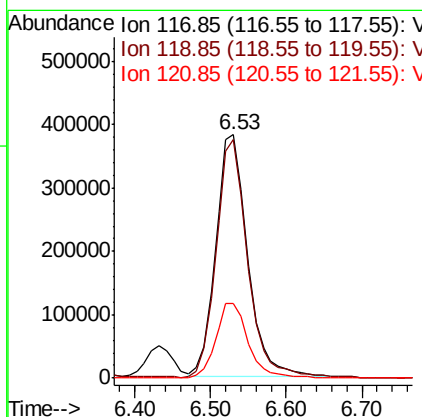
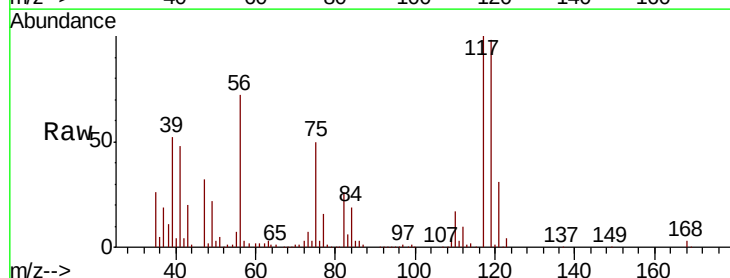
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

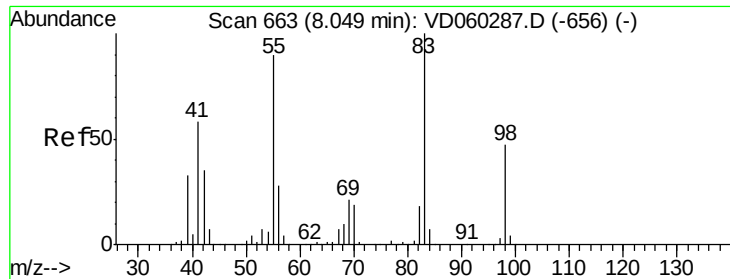
Tot Ion: 43 Resp: 504192
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 7.0 6.2 9.4



#38
Carbon Tetrachloride
Concen: 53.471 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 117 Resp: 1114974
Ion Ratio Lower Upper
117 100
119 97.8 76.6 115.0
121 30.9 24.3 36.5

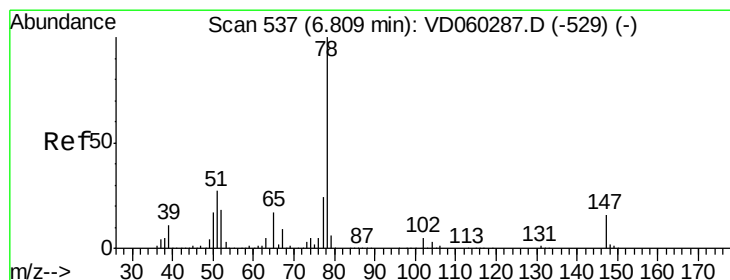
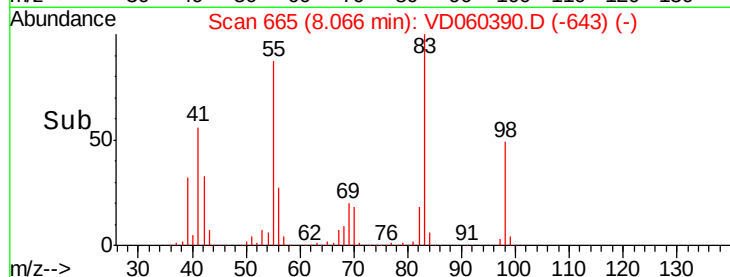
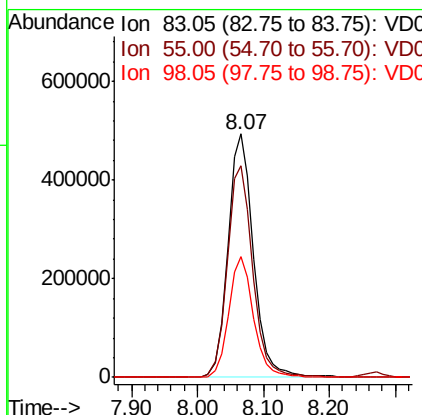
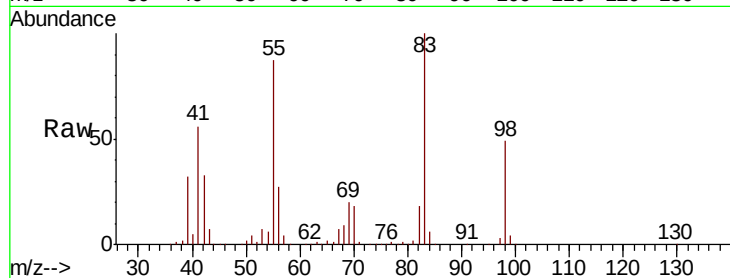




#39
Methylvlcyclohexane
Concen: 51.564 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

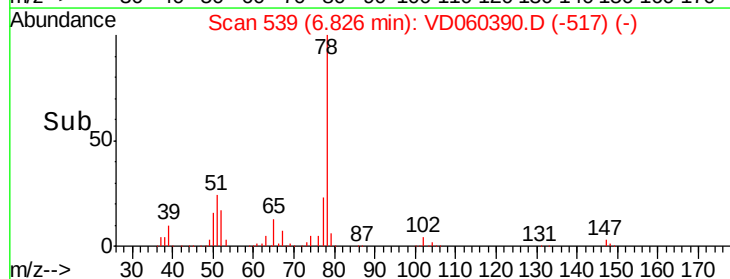
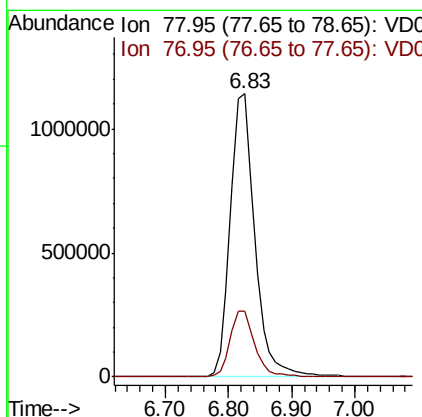
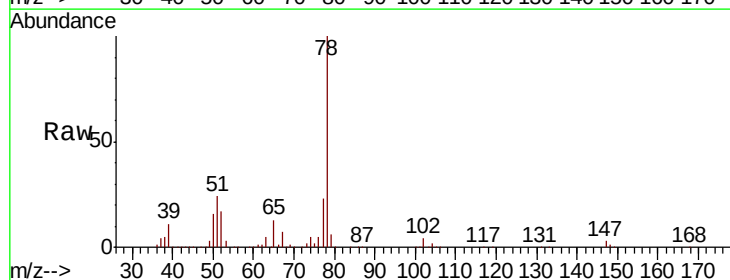
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

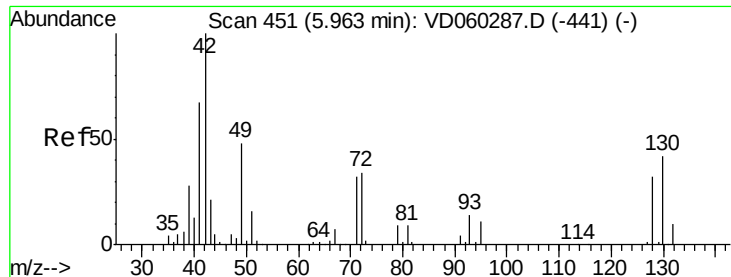
Tot Ion: 83 Resp: 1333120
Ion Ratio Lower Upper
83 100
55 87.0 71.2 106.8
98 49.4 38.4 57.6



#40
Benzene
Concen: 53.479 ug/l
RT: 6.83 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 78 Resp: 3068577
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 47.569 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 563167

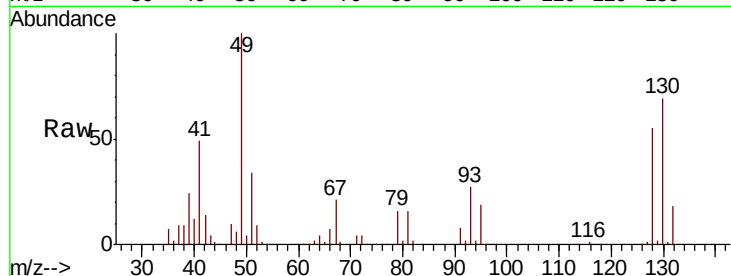
Ion Ratio Lower Upper

41 100

39 48.3 36.2 54.2

67 41.6 11.9 17.9#

52 18.2 5.2 7.8#

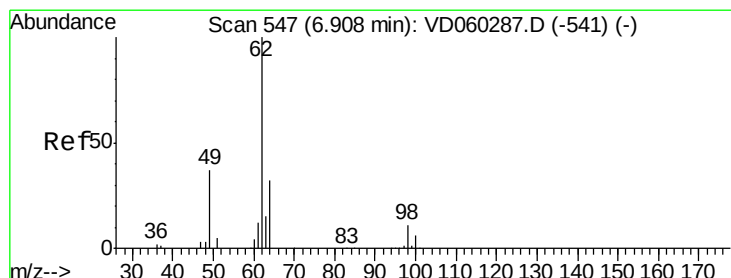
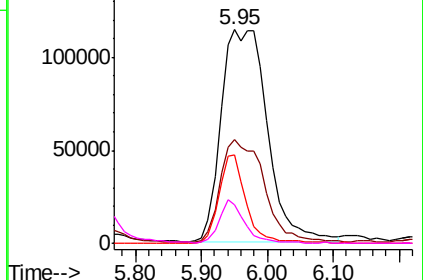
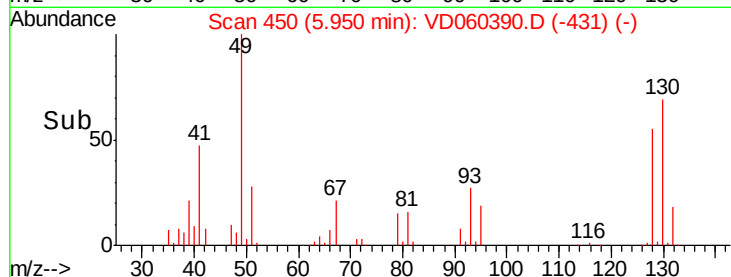


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 51.554 ug/l

RT: 6.92 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD060390.D

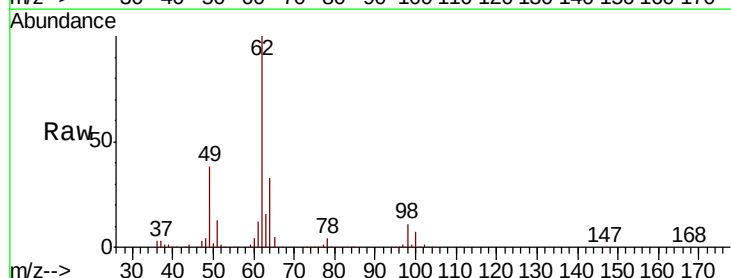
Acq: 16 Nov 2018 10:54

Tgt Ion: 62 Resp: 774270

Ion Ratio Lower Upper

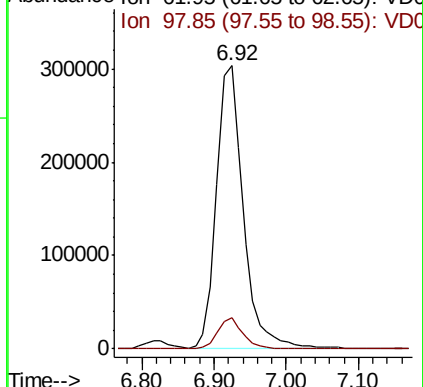
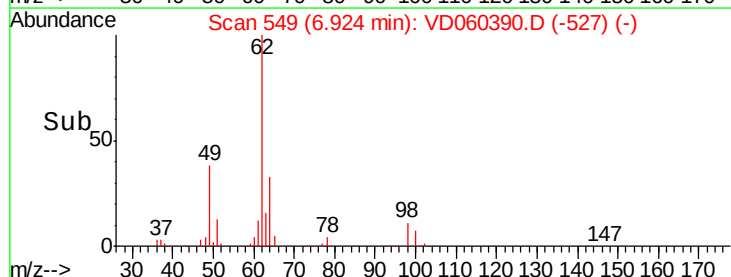
62 100

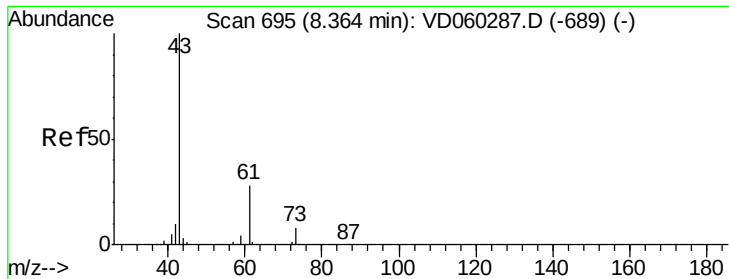
98 11.0 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 48.456 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

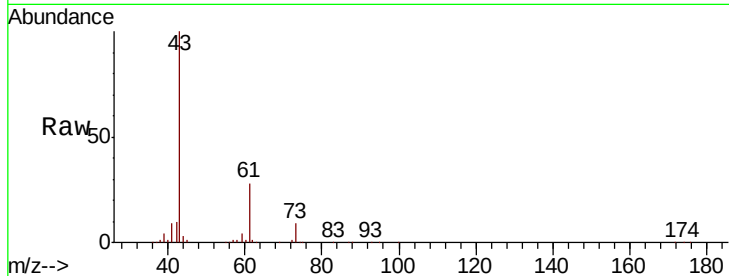
Tot Ion: 43 Resp: 629589

Ion Ratio Lower Upper

43 100

61 27.7 22.3 33.5

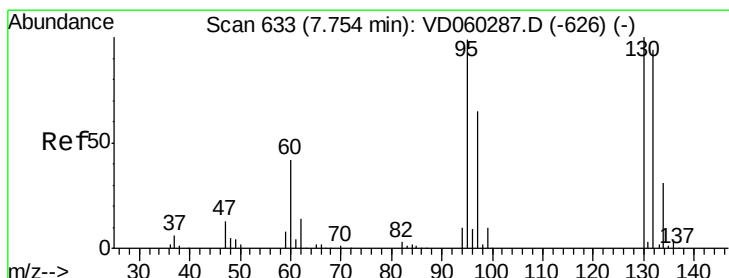
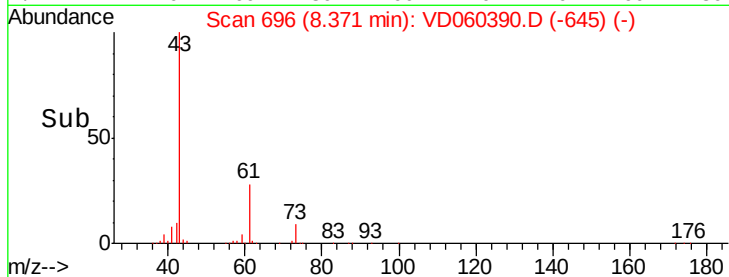
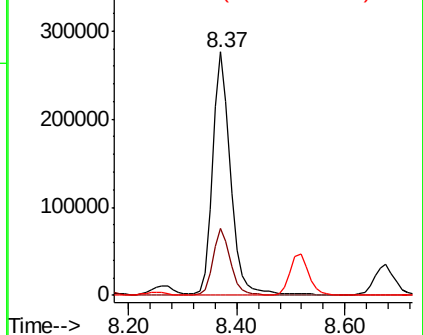
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 55.437 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060390.D

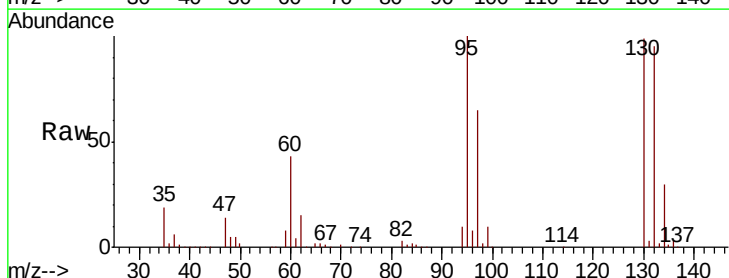
Acq: 16 Nov 2018 10:54

Tgt Ion:130 Resp: 964253

Ion Ratio Lower Upper

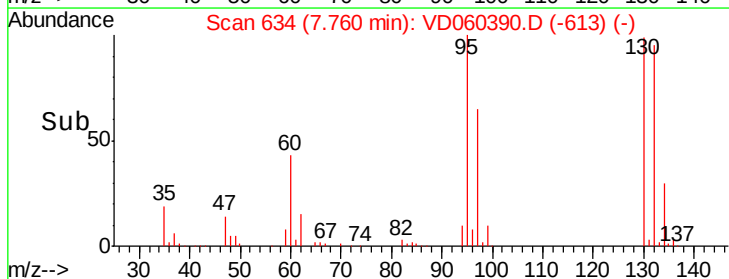
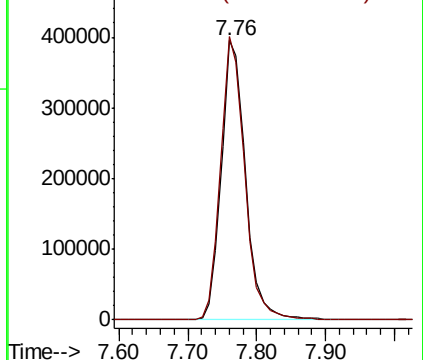
130 100

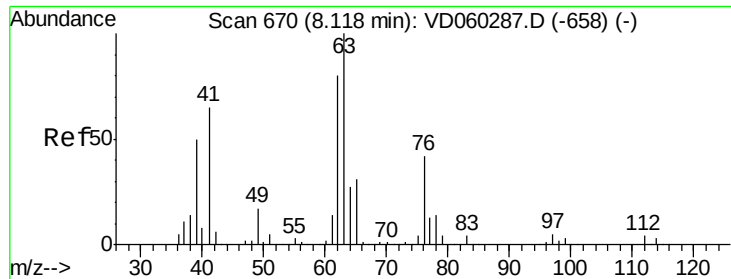
95 101.4 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

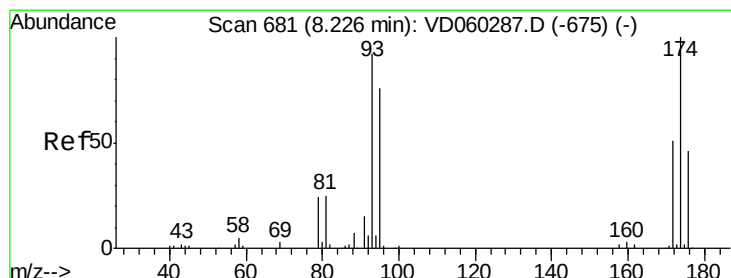
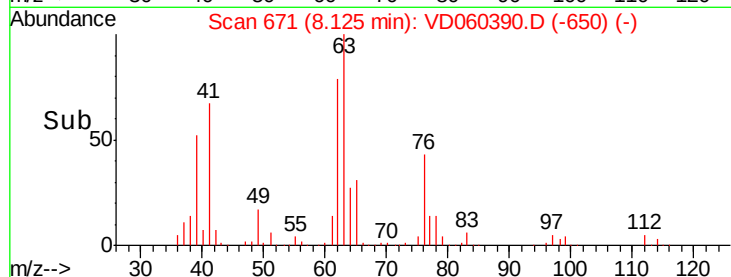
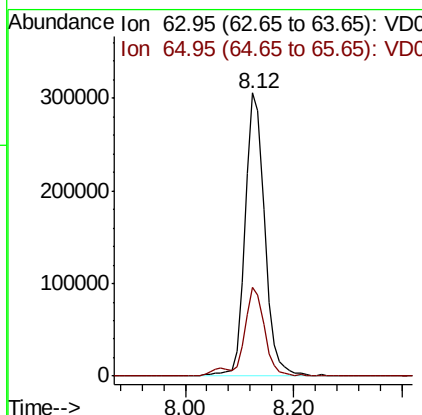
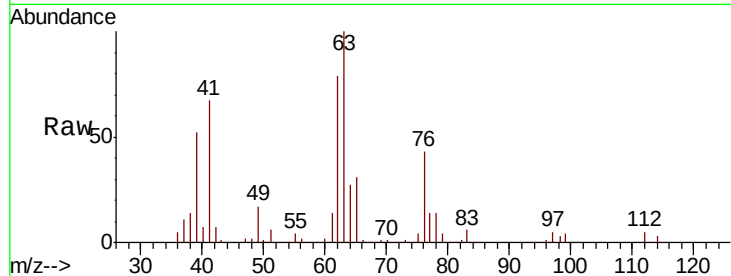




#45
 1,2-Dichloropropane
 Concen: 53.139 ug/l
 RT: 8.12 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

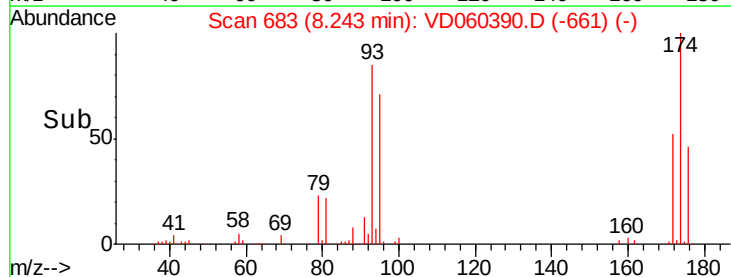
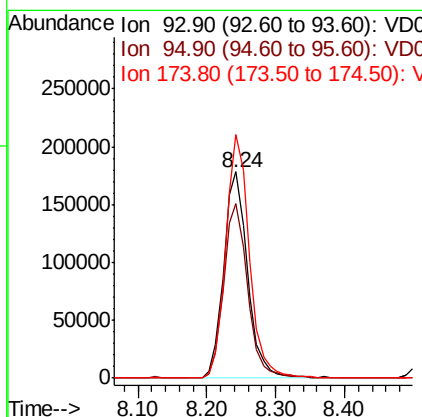
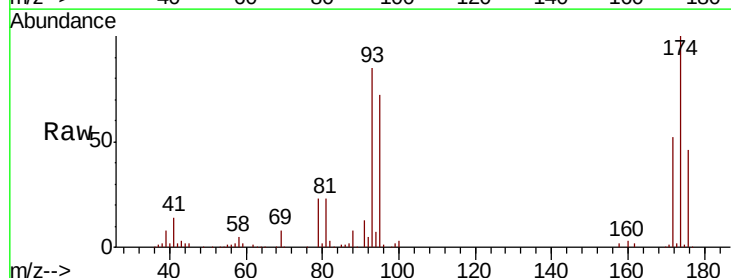
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

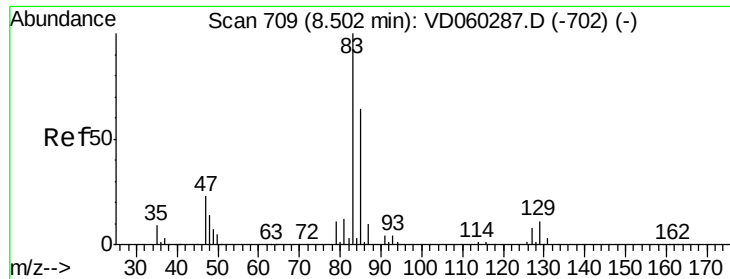
Tot Ion: 63 Resp: 768975
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.2



#46
 Dibromomethane
 Concen: 50.607 ug/l
 RT: 8.24 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 93 Resp: 428920
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.4 99.6
 174 118.0 87.8 131.8





#47

Bromodichloromethane

Concen: 54.810 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

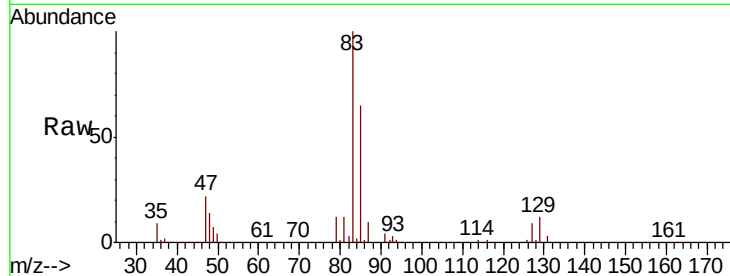
Tot Ion: 83 Resp: 1094676

Ion Ratio Lower Upper

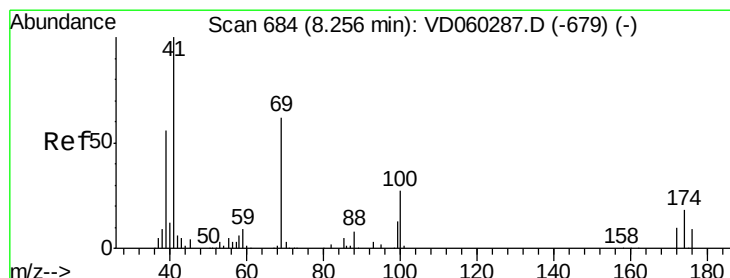
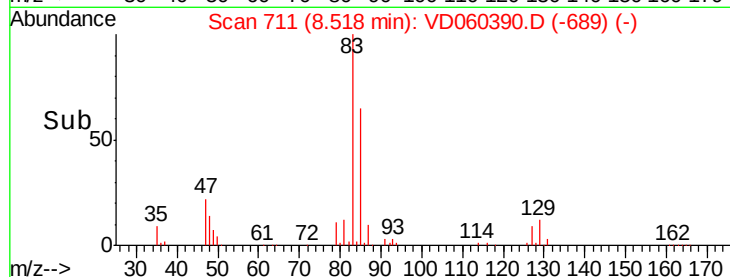
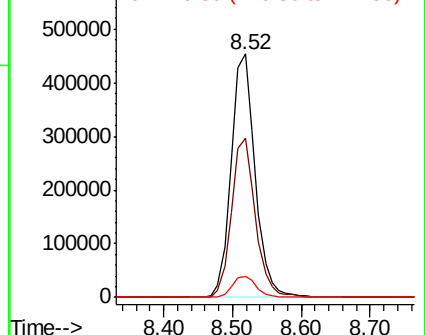
83 100

85 65.5 51.0 76.6

127 8.8 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: 50.116 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

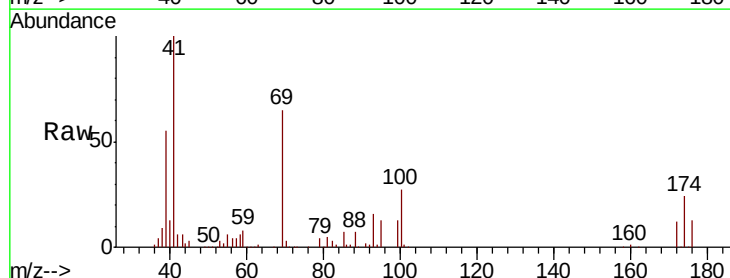
Tgt Ion: 41 Resp: 395529

Ion Ratio Lower Upper

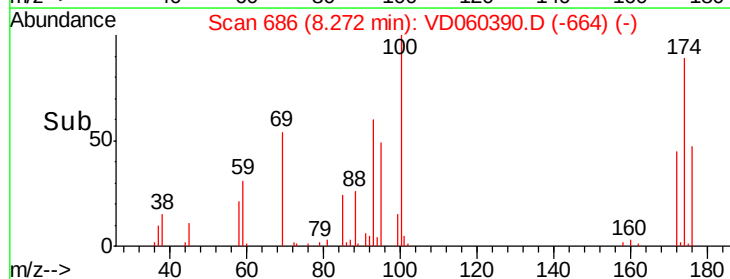
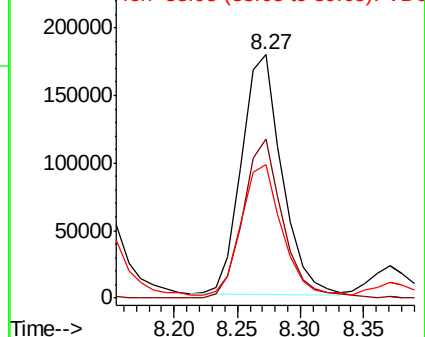
41 100

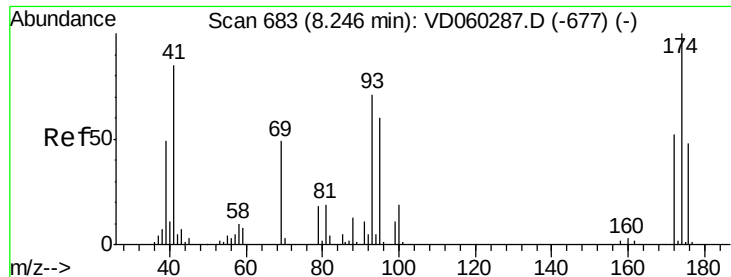
69 65.1 47.0 70.4

39 54.8 46.2 69.4



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





#49

1,4-Dioxane

Concen: 1025.161 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

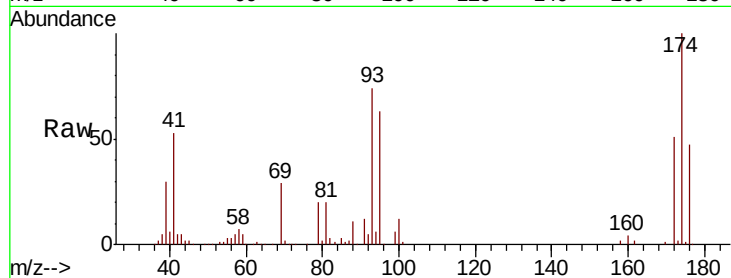
Tot Ion: 88 Resp: 70004

Ion Ratio Lower Upper

88 100

43 49.3 39.7 59.5

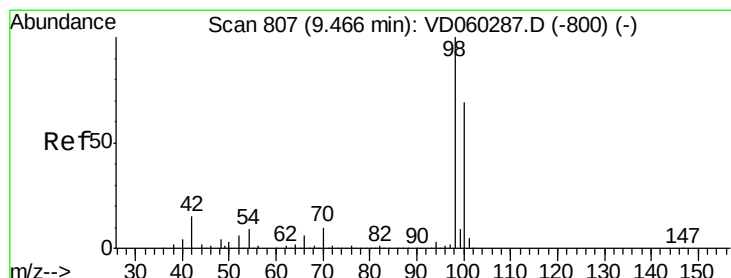
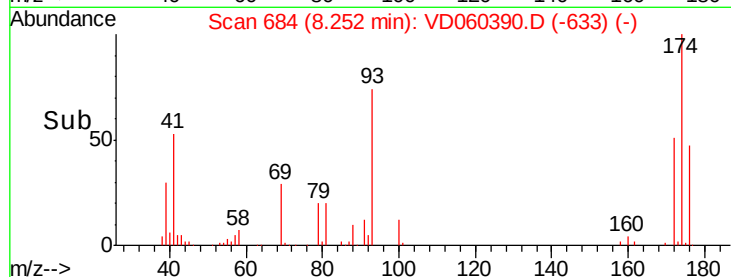
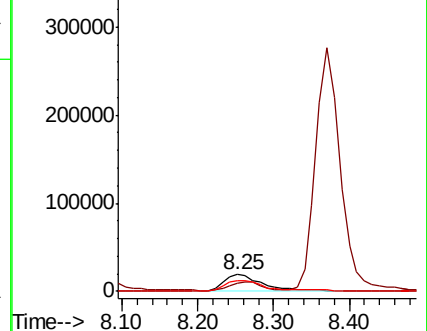
58 63.5 60.2 90.2



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: 1025.161 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060390.D

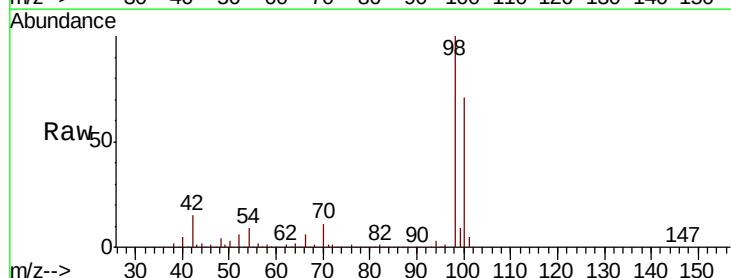
Acq: 16 Nov 2018 10:54

Tgt Ion: 98 Resp: 2409010

Ion Ratio Lower Upper

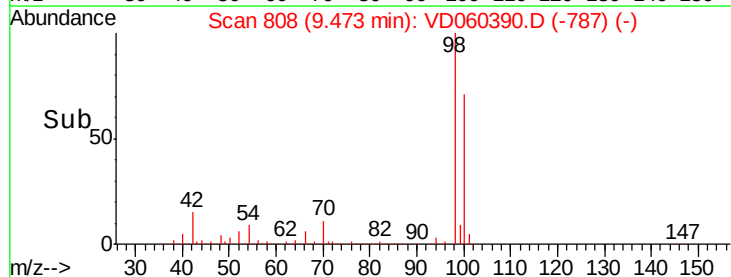
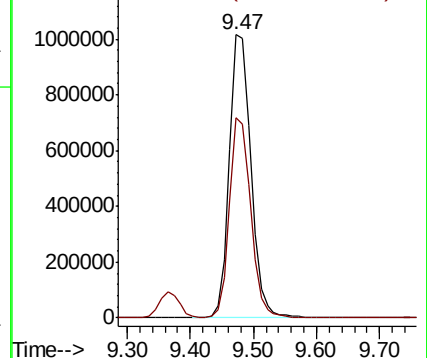
98 100

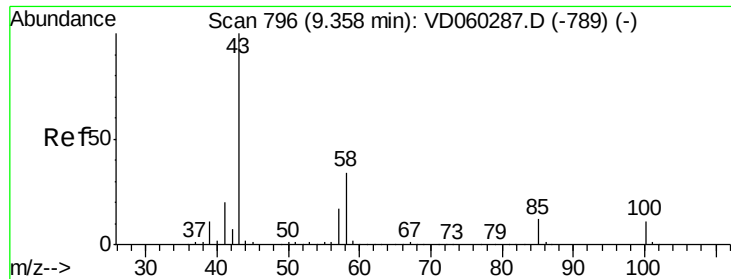
100 70.7 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 239.609 ug/l

RT: 9.36 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

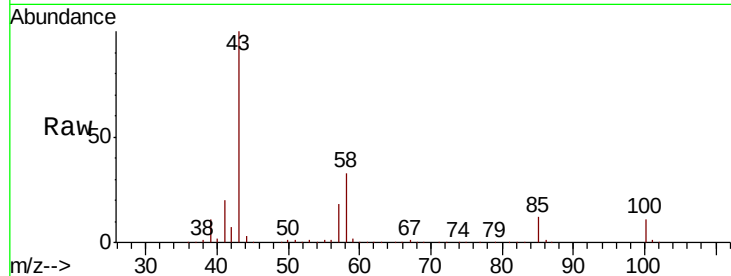
VSTDCCC050

Tot Ion: 43 Resp: 2026287

Ion Ratio Lower Upper

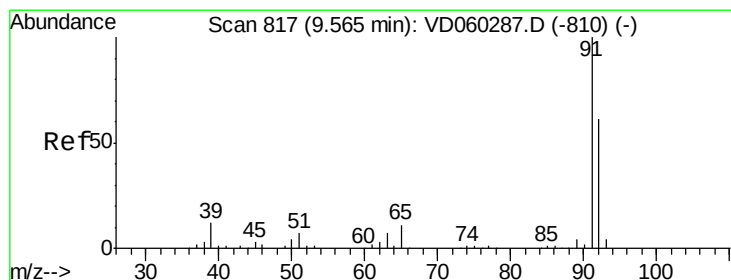
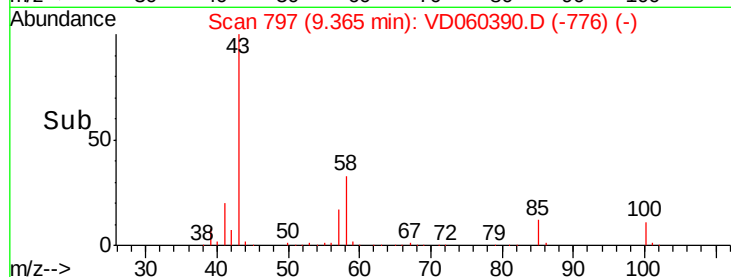
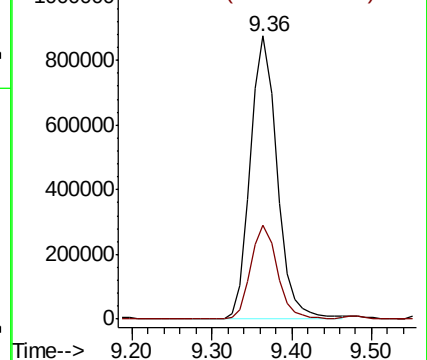
43 100

58 33.2 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: 51.720 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060390.D

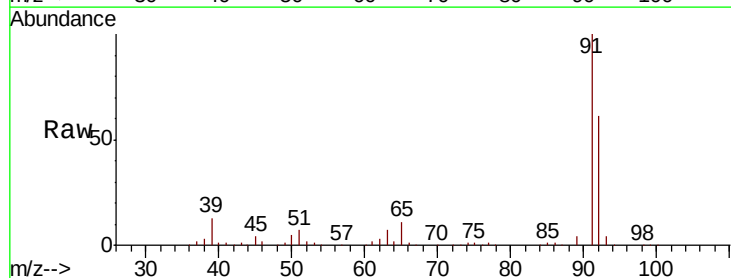
Acq: 16 Nov 2018 10:54

Tgt Ion: 92 Resp: 1895668

Ion Ratio Lower Upper

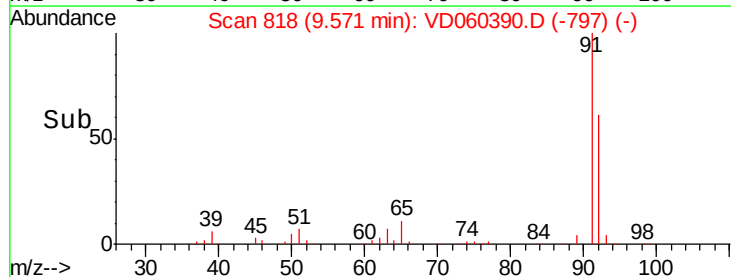
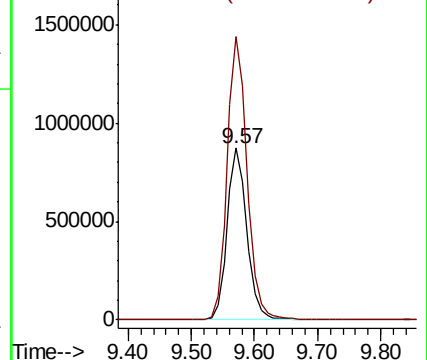
92 100

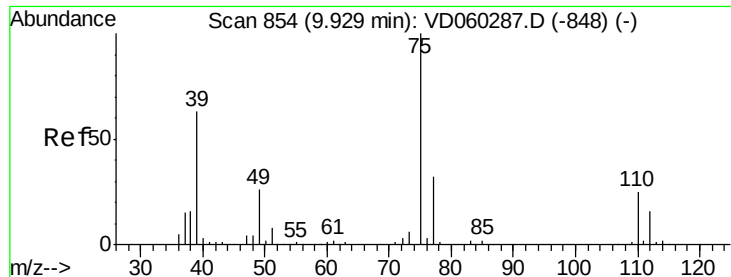
91 165.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

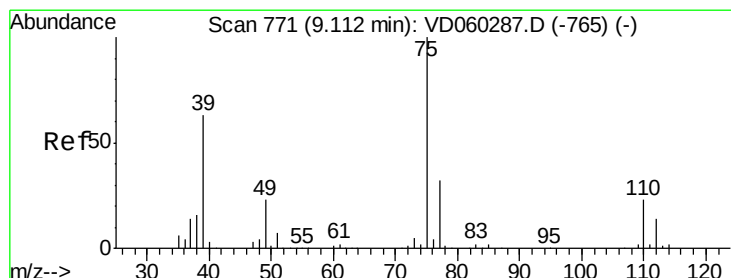
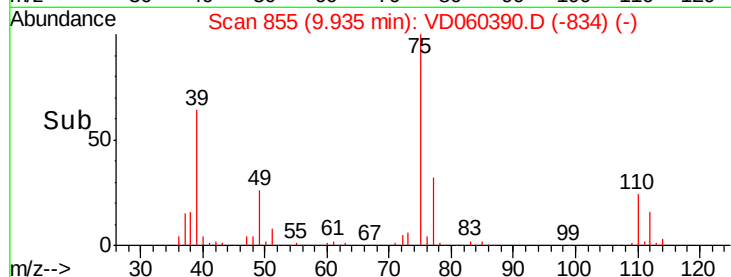
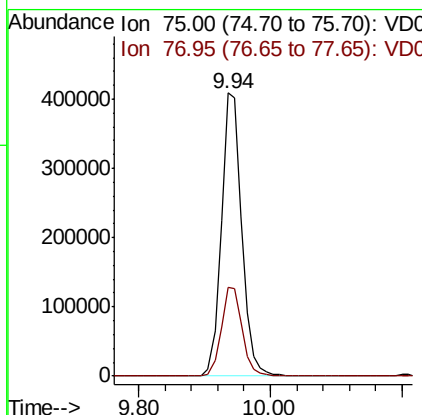
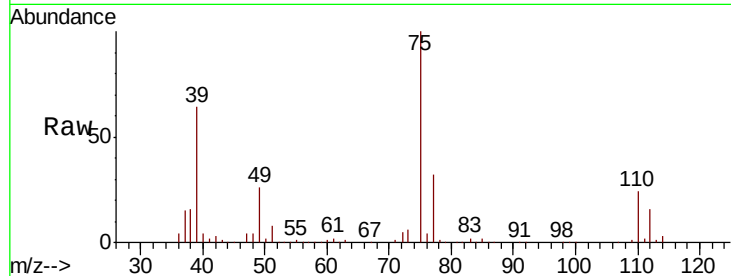




#53
 t-1,3-Dichloropropene
 Concen: 52.118 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

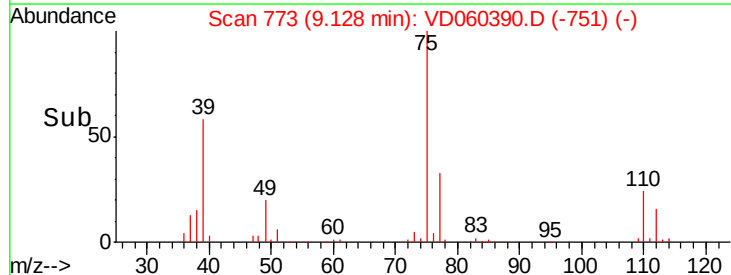
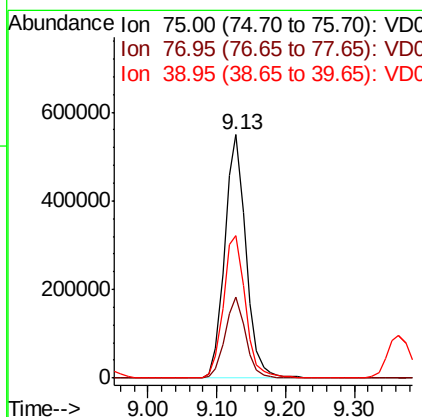
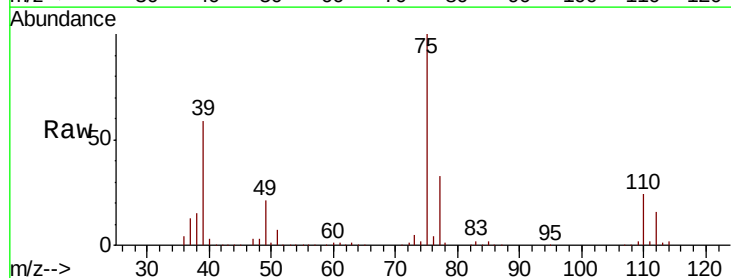
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

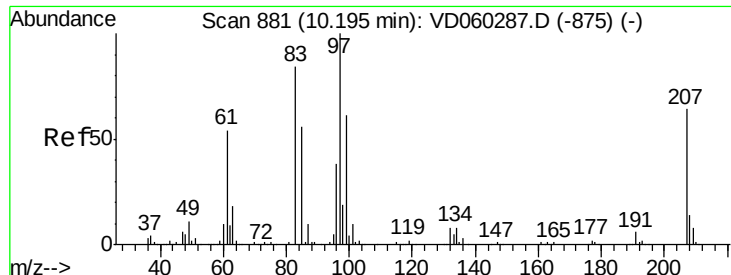
Tot Ion: 75 Resp: 879486
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 54.126 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 75 Resp: 1171486
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.3 39.5
 39 58.7 50.8 76.2



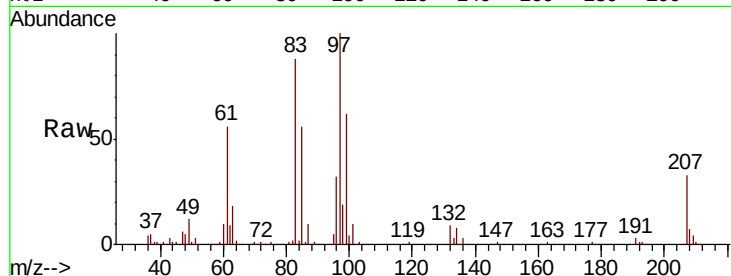


#55
 1,1,2-Trichloroethane
 Concen: 48.807 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

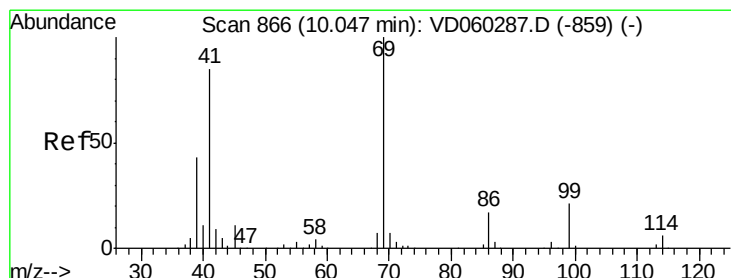
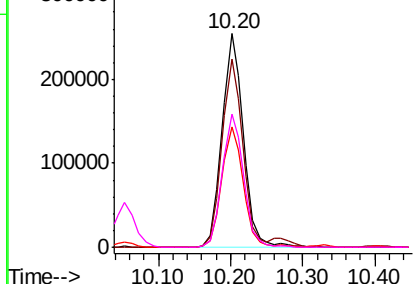
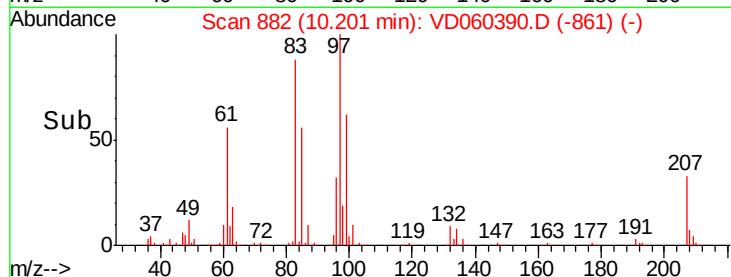
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 518491

Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.4	102.6
85	56.1	46.8	70.2
99	62.0	49.5	74.3



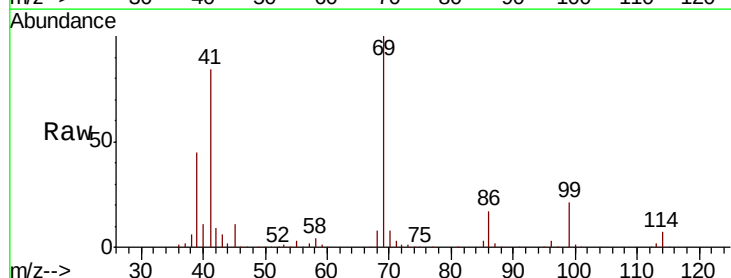
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



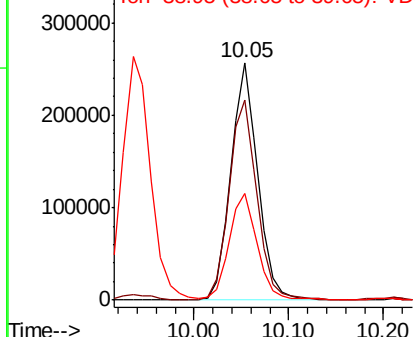
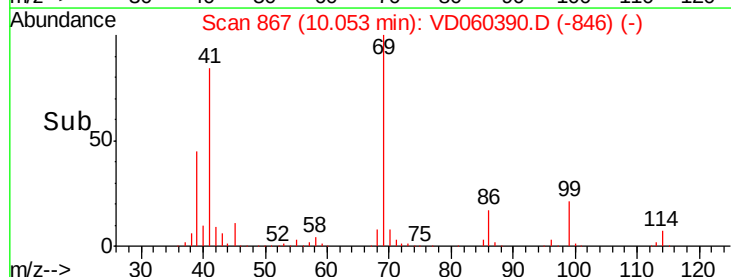
#56
 Ethyl methacrylate
 Concen: 51.539 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

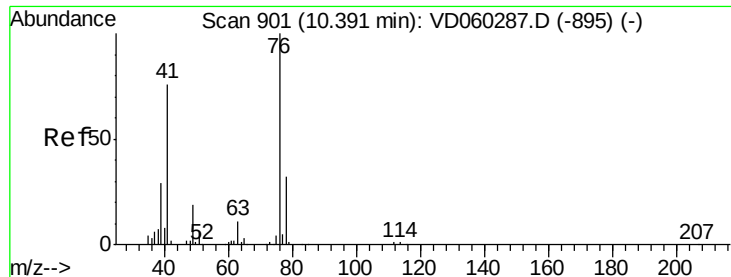
Tgt Ion: 69 Resp: 503416

Ion	Ratio	Lower	Upper
69	100		
41	84.4	69.0	103.4
39	45.1	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

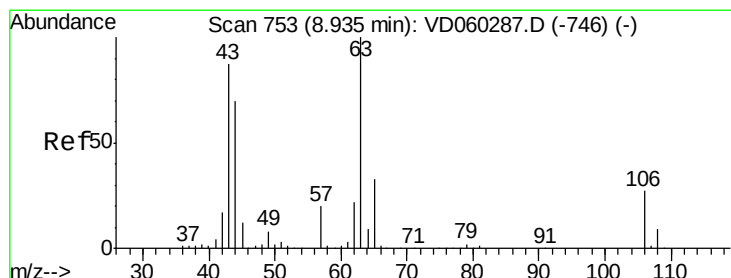
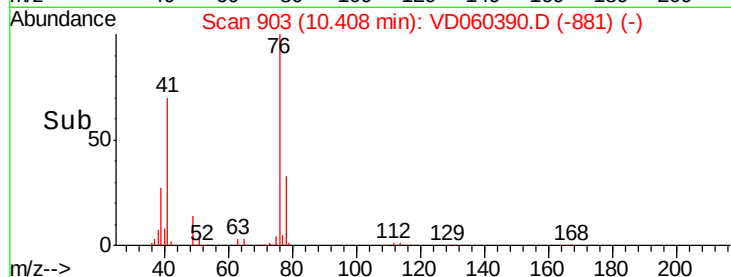
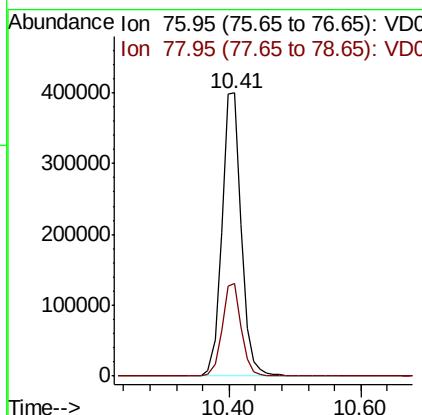
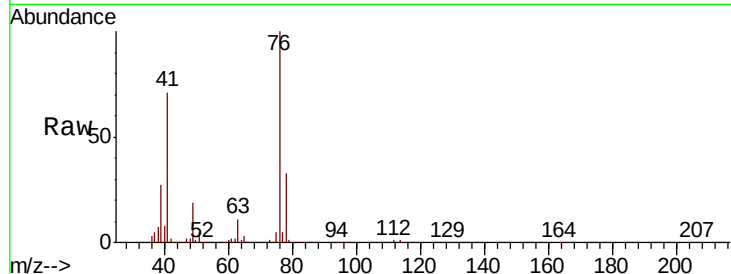




#57
 1,3-Dichloropropane
 Concen: 50.560 ug/l
 RT: 10.41 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

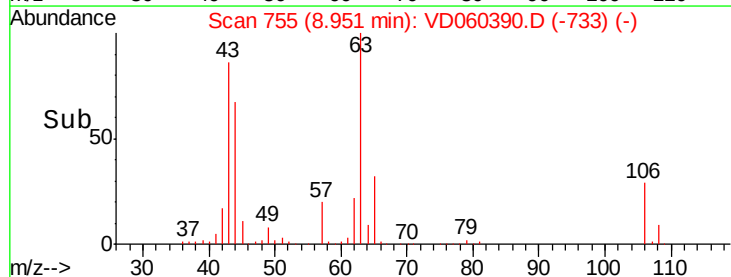
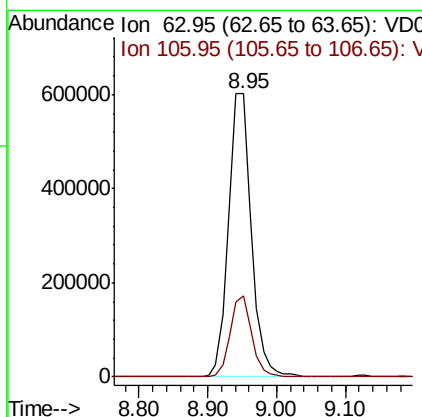
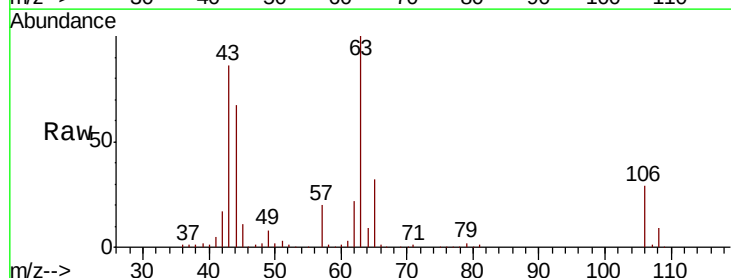
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

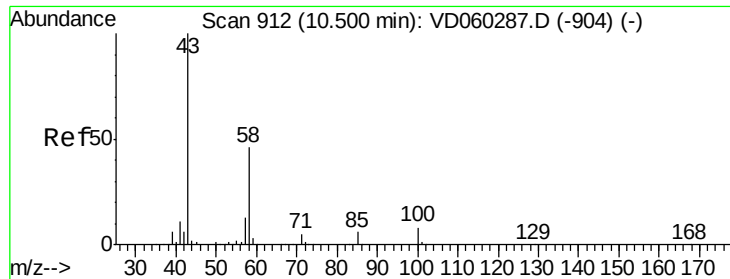
Tot Ion: 76 Resp: 818443
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.511 ug/l
 RT: 8.95 min Scan# 755
 Delta R.T. 0.02 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 63 Resp: 1385015
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.5 32.3

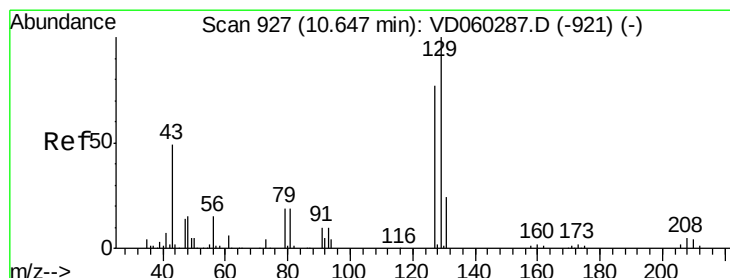
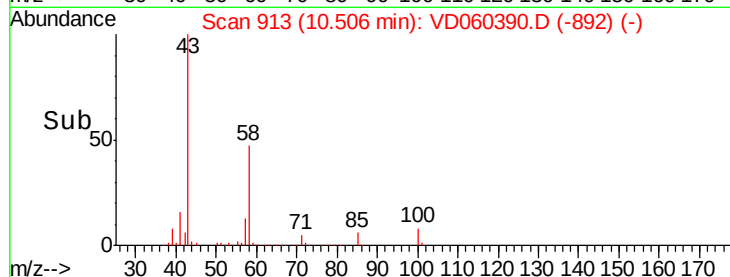
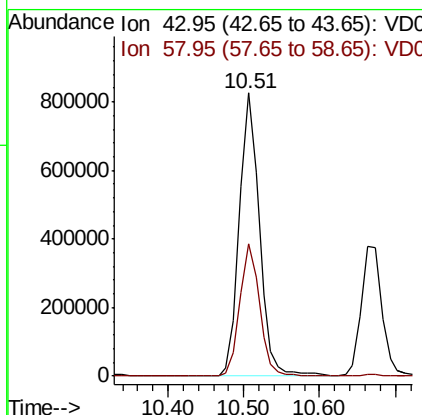
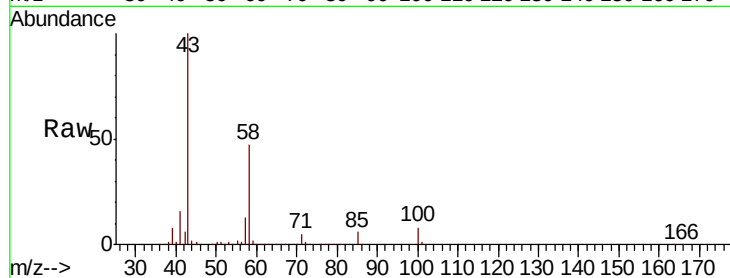




#59
2-Hexanone
Concen: 251.511 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

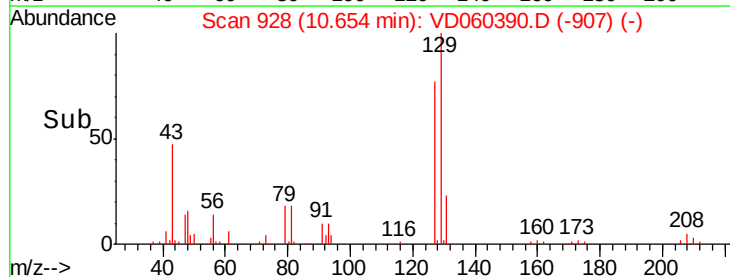
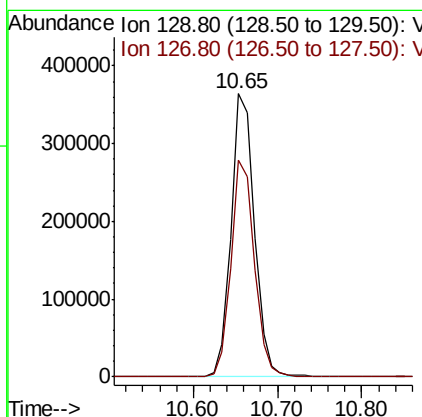
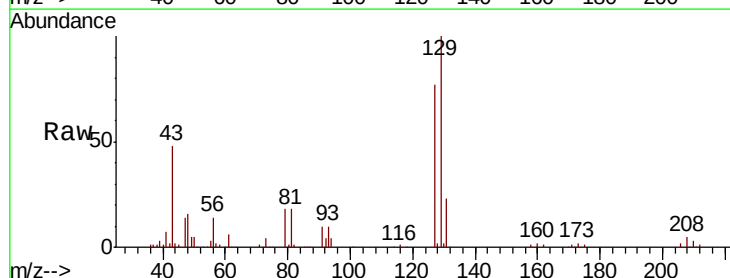
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

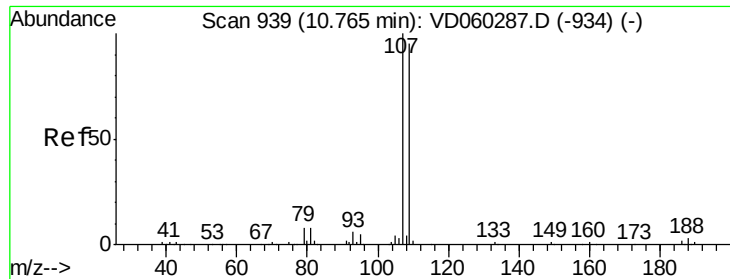
Tot Ion: 43 Resp: 1515948
Ion Ratio Lower Upper
43 100
58 46.7 22.9 68.5



#60
Dibromochloromethane
Concen: 54.355 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 129 Resp: 701926
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.304 ug/l

RT: 10.78 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

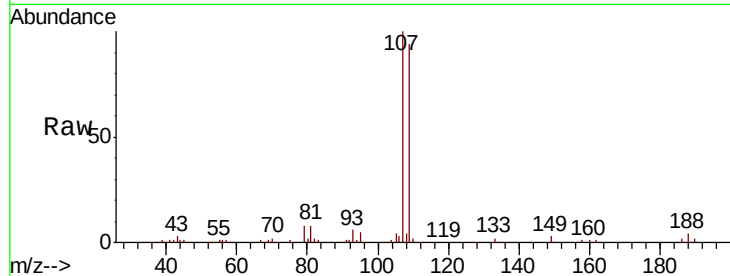
VSTDCCC050

Tot Ion:107 Resp: 556723

Ion Ratio Lower Upper

107 100

109 93.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.78

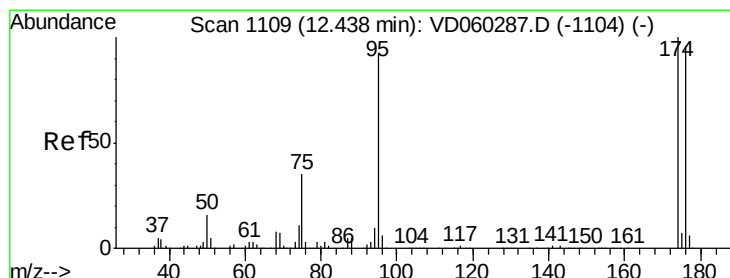
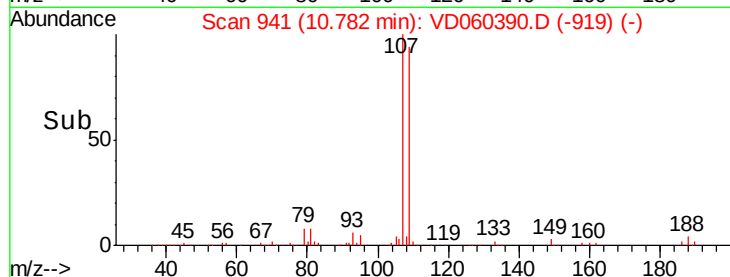
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.304 ug/l

RT: 12.43 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

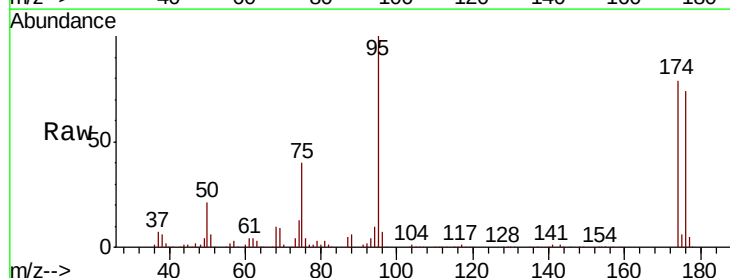
Tgt Ion: 95 Resp: 880831

Ion Ratio Lower Upper

95 100

174 78.8 0.0 160.8

176 74.4 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

800000

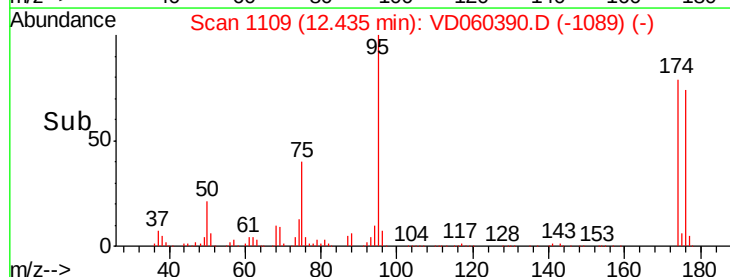
600000

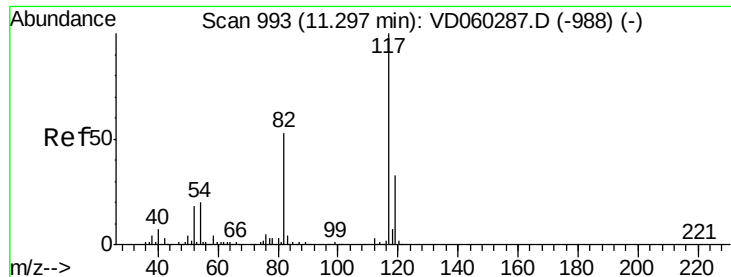
400000

200000

0

Time-->

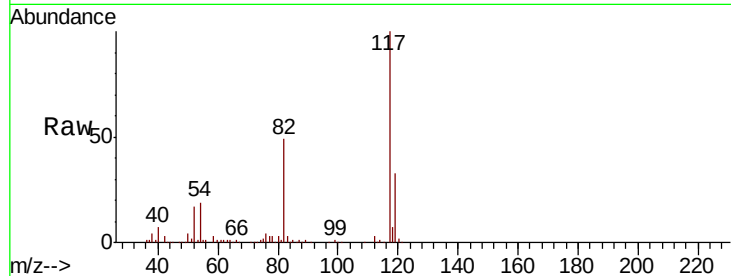




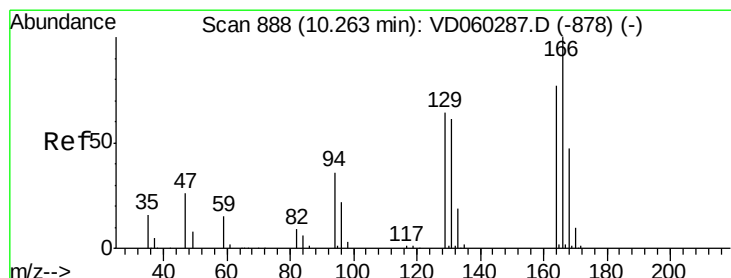
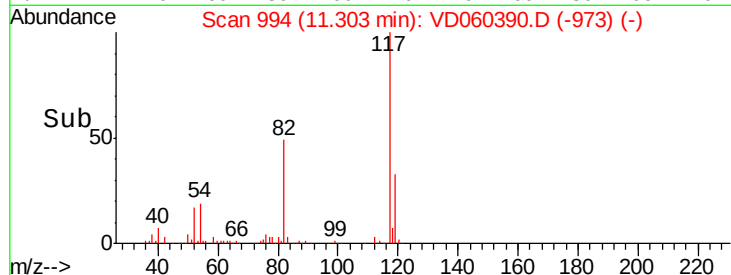
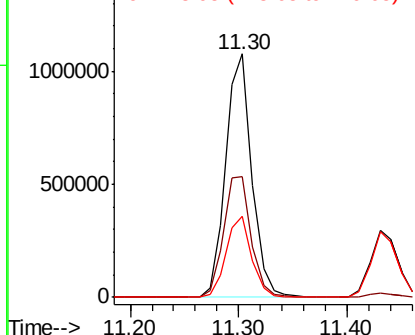
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1800961
Ion Ratio Lower Upper
117 100
82 49.4 43.7 65.5
119 33.1 26.1 39.1

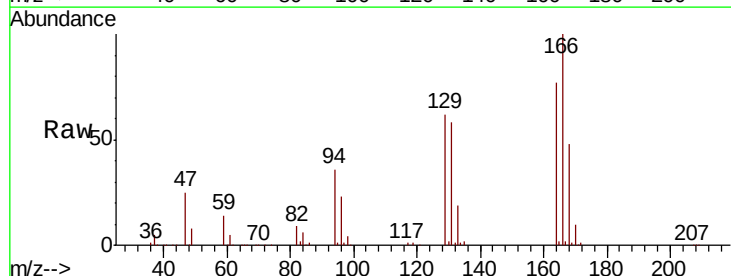


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

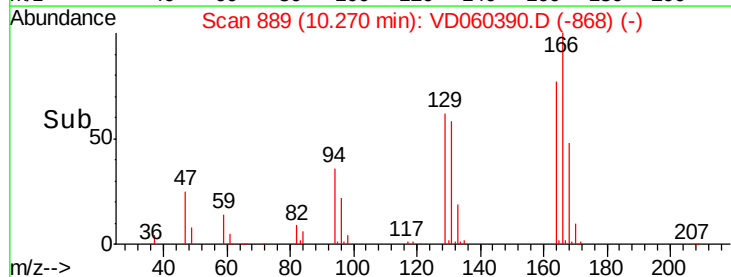
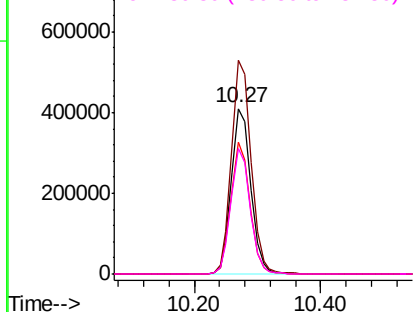


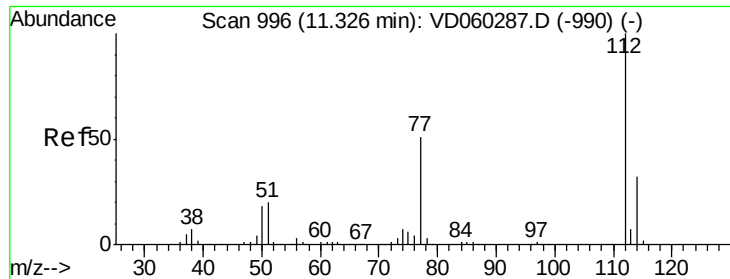
#64
Tetrachloroethene
Concen: 54.347 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion:164 Resp: 873790
Ion Ratio Lower Upper
164 100
166 129.0 103.7 155.5
129 79.5 65.6 98.4
131 75.4 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

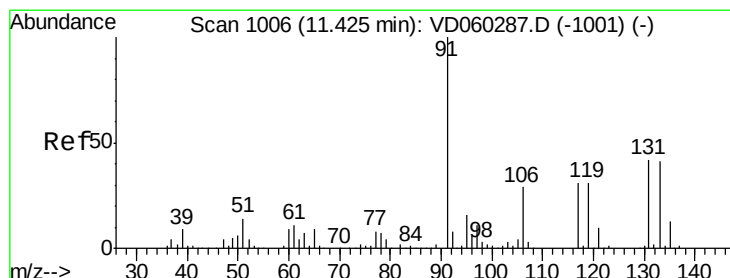
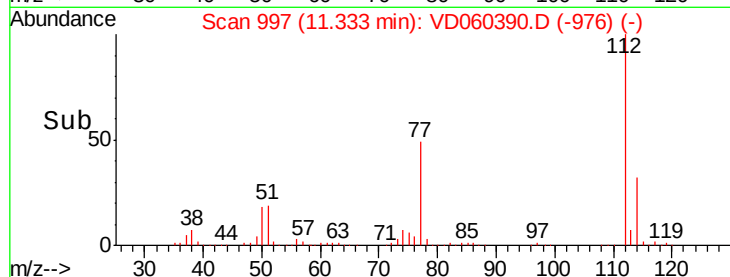
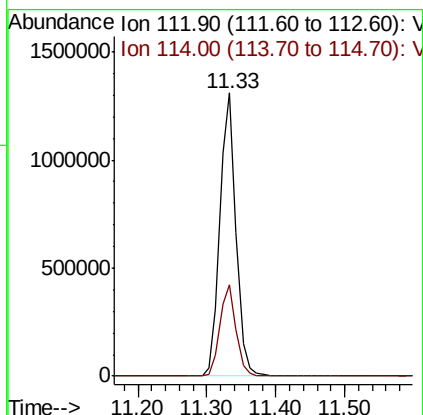
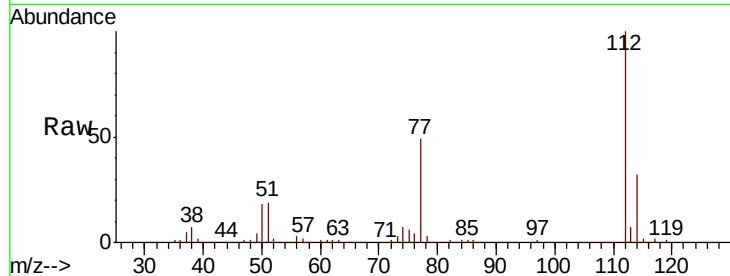




#65
Chlorobenzene
Concen: 54.339 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

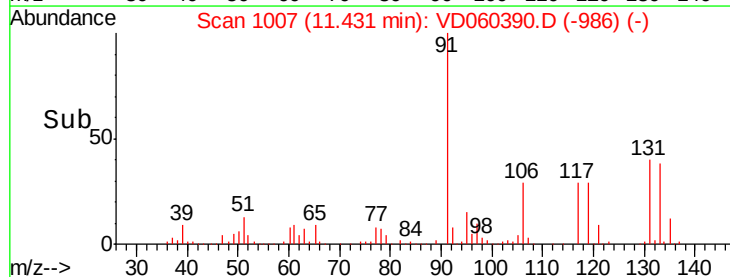
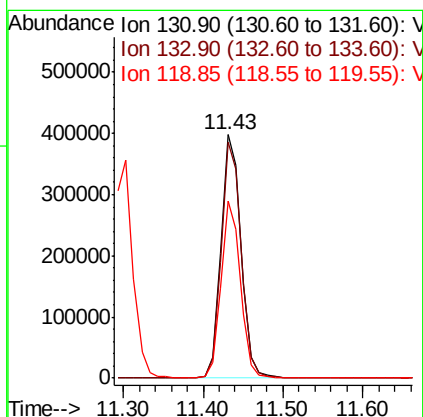
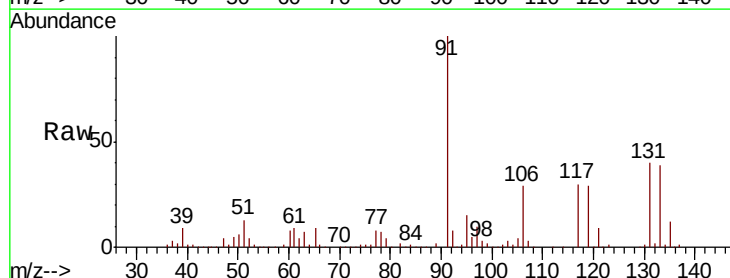
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

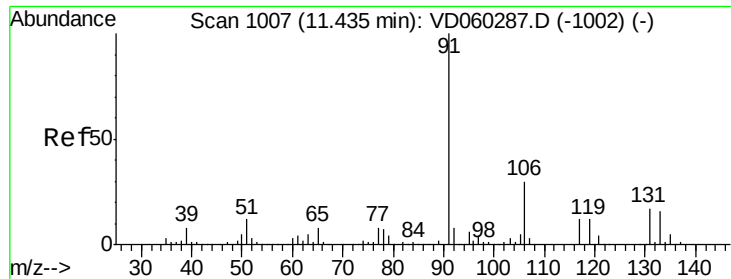
Tot Ion:112 Resp: 2120403
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.059 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion:131 Resp: 702975
Ion Ratio Lower Upper
131 100
133 97.0 50.0 150.0
119 72.8 37.0 111.1

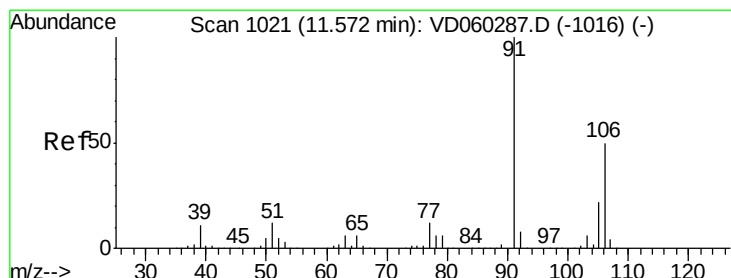
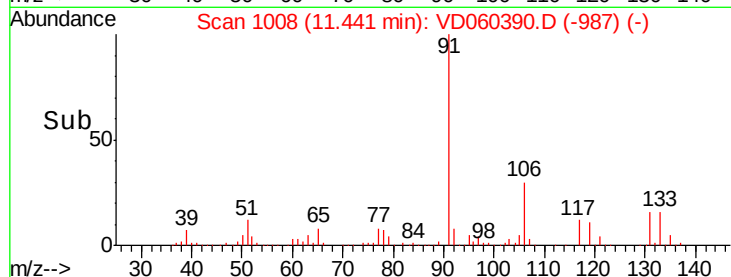
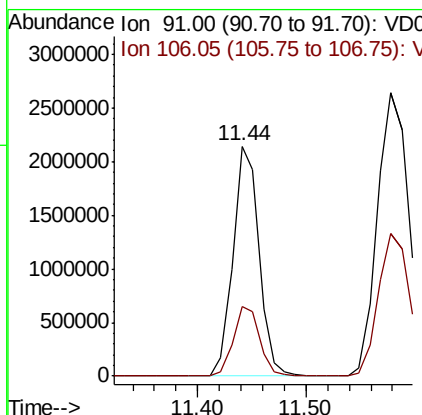
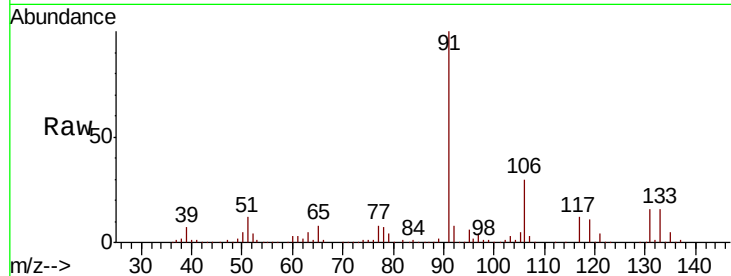




#67
Ethyl Benzene
Concen: 53.785 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

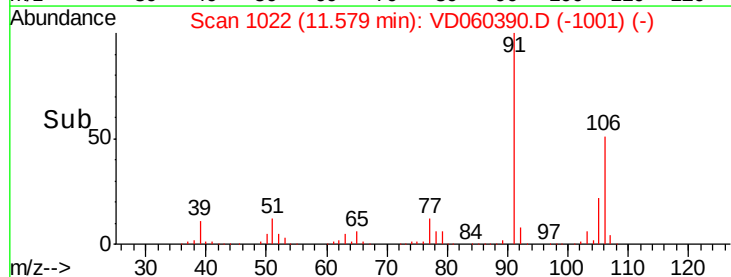
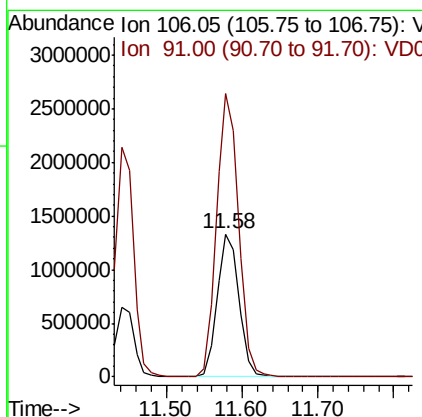
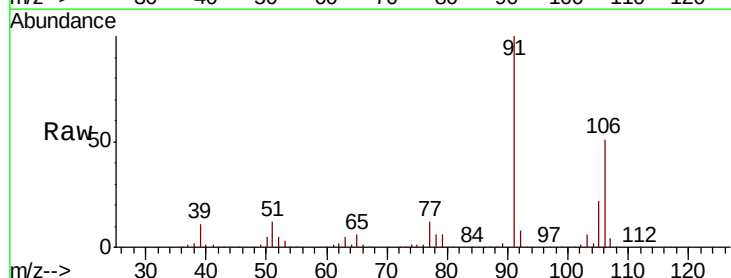
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

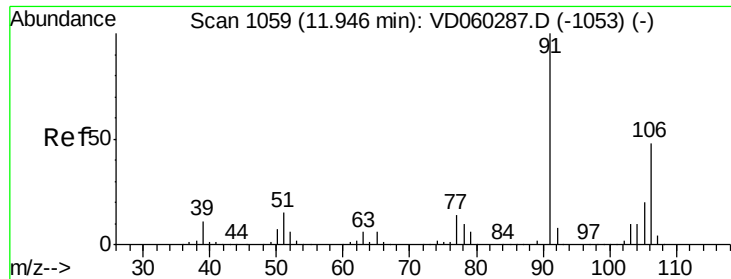
Tot Ion: 91 Resp: 3590312
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 108.990 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 106 Resp: 2683743
Ion Ratio Lower Upper
106 100
91 197.7 159.4 239.2

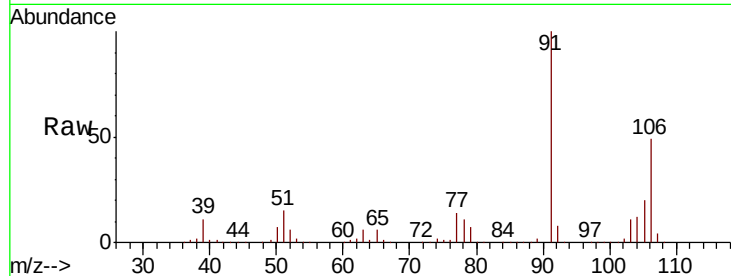




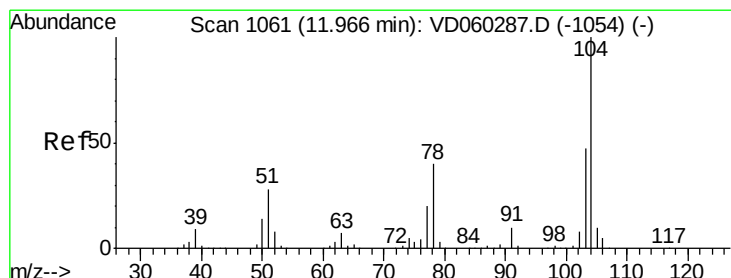
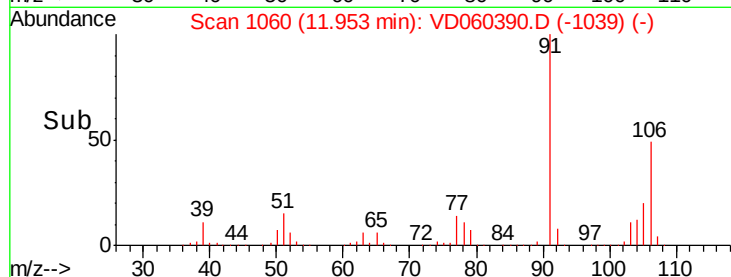
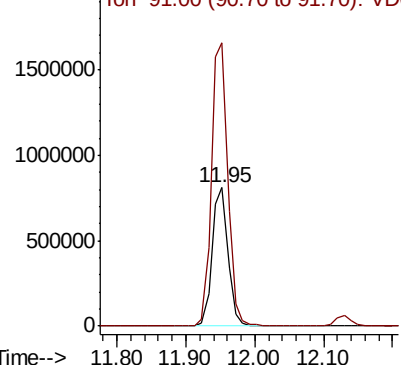
#69
o-Xylene
Concen: 54.053 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1285857
Ion Ratio Lower Upper
106 100
91 204.9 109.2 327.6

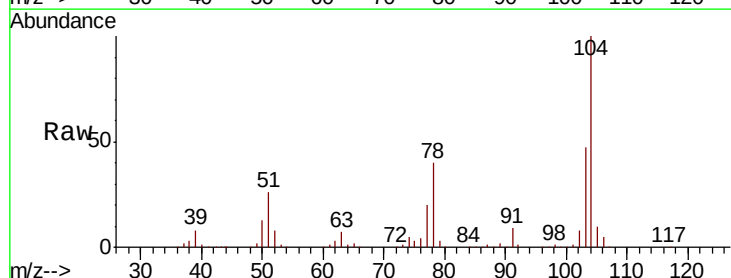


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

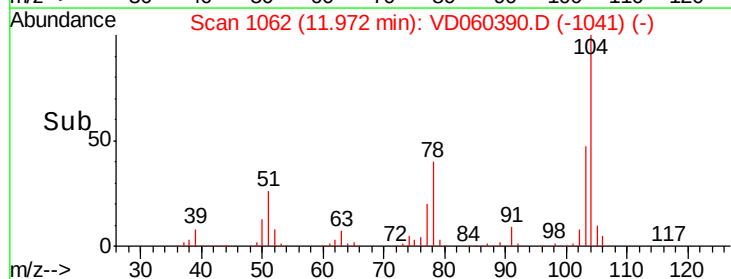
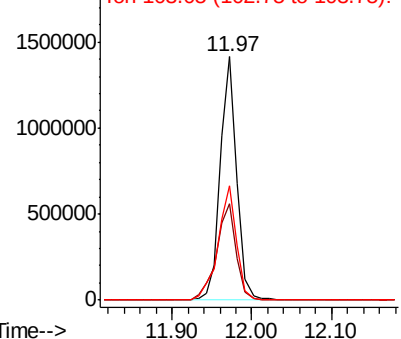


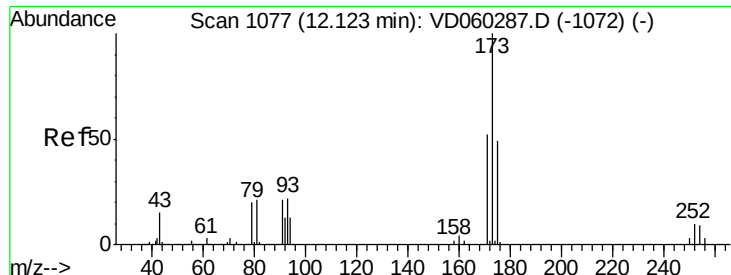
#70
Styrene
Concen: 53.443 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion:104 Resp: 2054620
Ion Ratio Lower Upper
104 100
78 39.6 31.6 47.4
103 46.8 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: 54.828 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

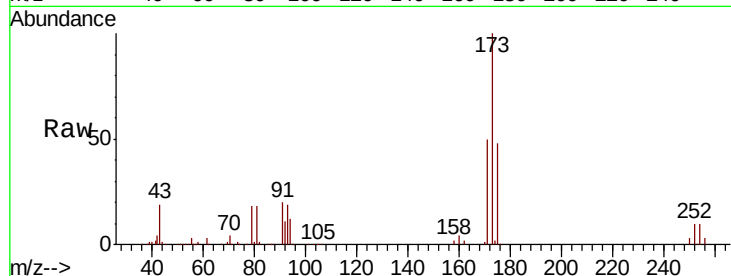
Tot Ion:173 Resp: 470392

Ion Ratio Lower Upper

173 100

175 47.6 24.3 73.0

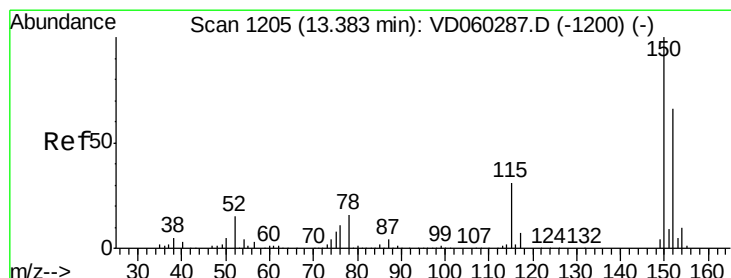
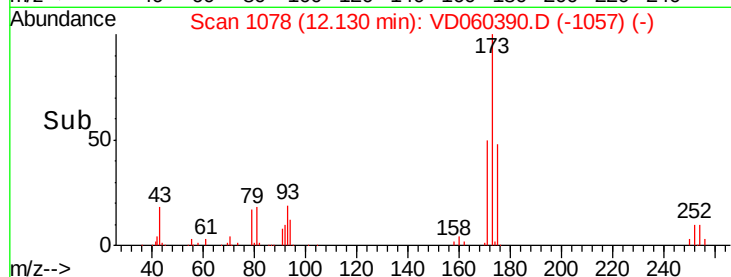
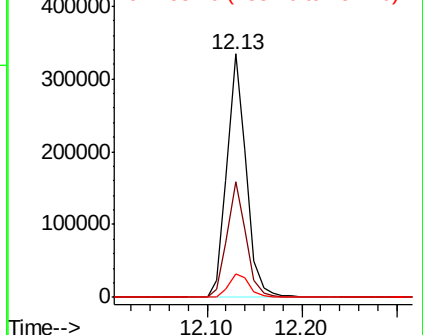
254 9.7 8.3 12.5



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: 13.39 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

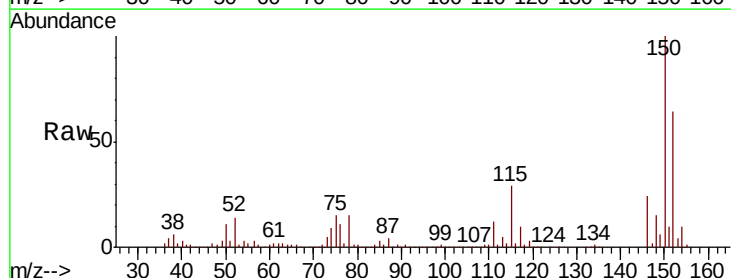
Tgt Ion:152 Resp: 931701

Ion Ratio Lower Upper

152 100

115 45.8 24.1 72.3

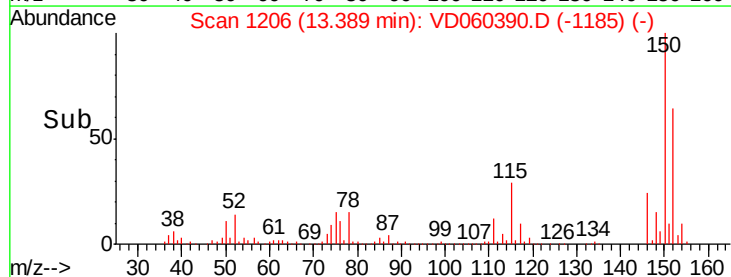
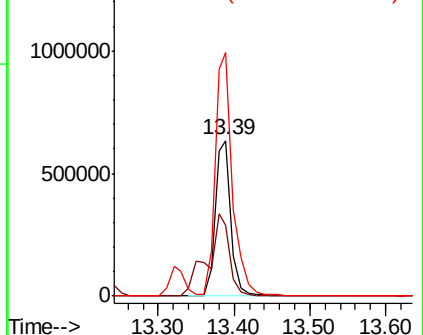
150 156.6 0.0 310.6

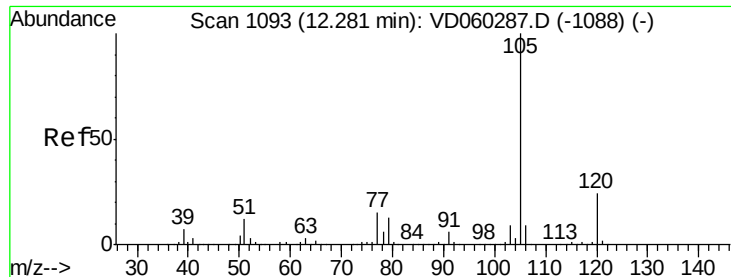


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.066 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

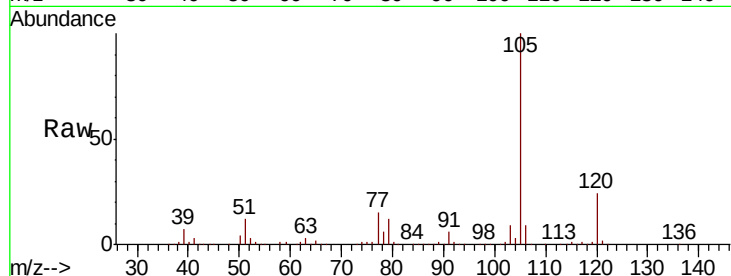
VSTDCCC050

Tot Ion:105 Resp: 3466401

Ion Ratio Lower Upper

105 100

120 23.8 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

500000

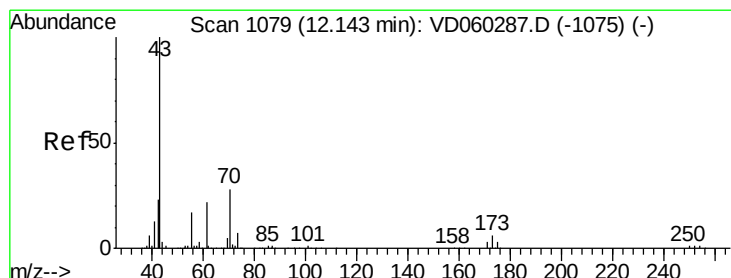
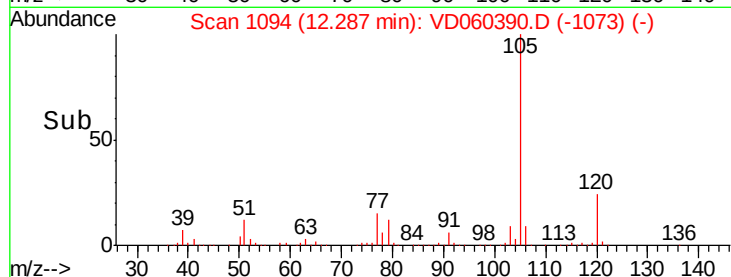
0

12.29

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 47.969 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Tgt Ion: 43 Resp: 834824

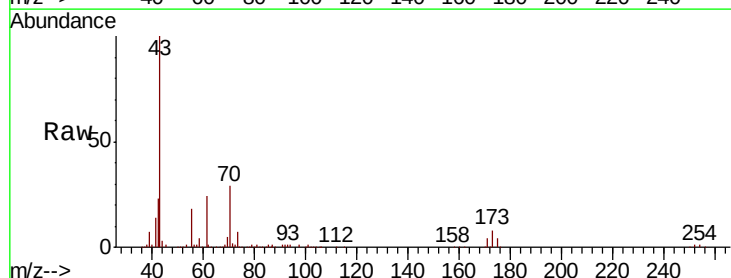
Ion Ratio Lower Upper

43 100

70 29.1 23.0 34.4

55 18.2 14.2 21.4

61 24.1 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

800000

600000

400000

200000

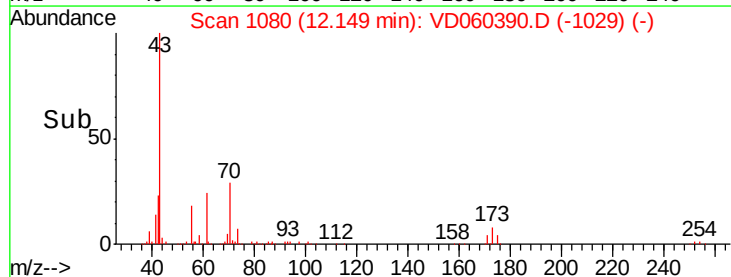
0

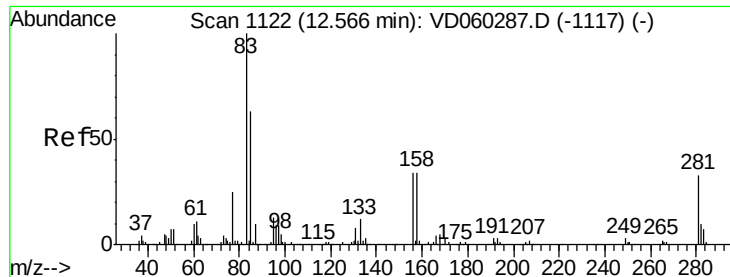
12.15

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.217 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

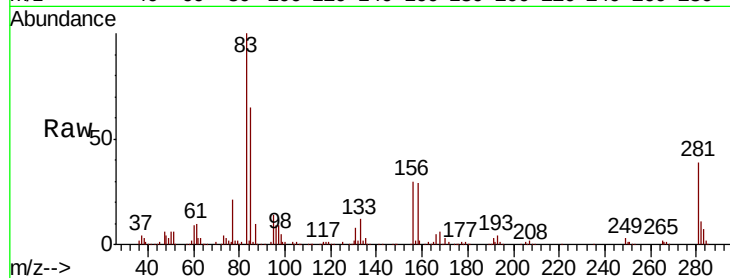
Tot Ion: 83 Resp: 524186

Ion Ratio Lower Upper

83 100

131 8.4 3.9 11.5

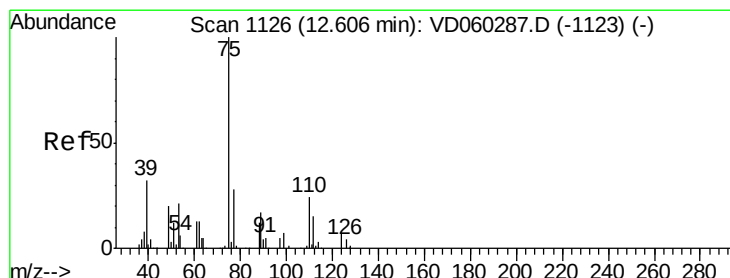
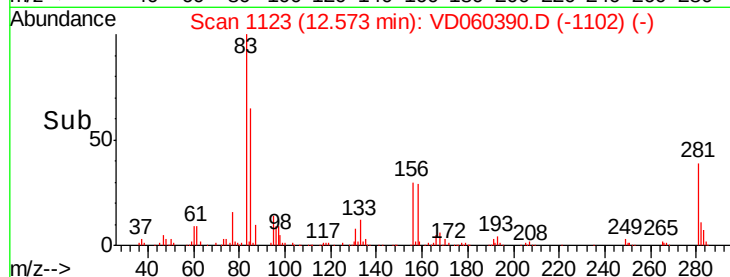
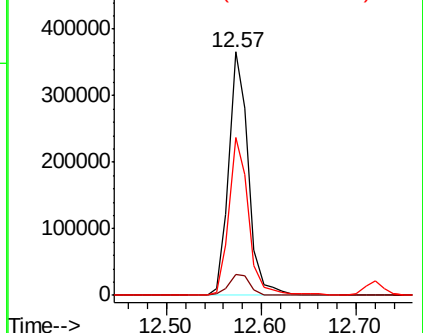
85 65.0 32.0 96.0



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: 48.015 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060390.D

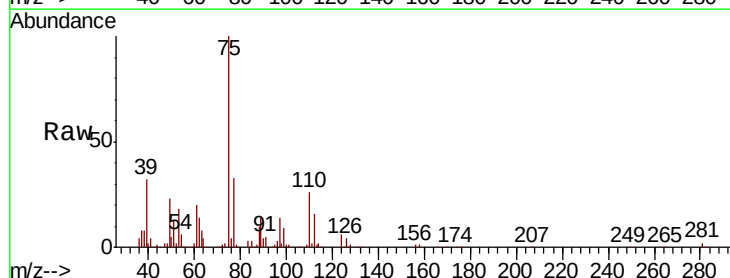
Acq: 16 Nov 2018 10:54

Tgt Ion: 75 Resp: 535146

Ion Ratio Lower Upper

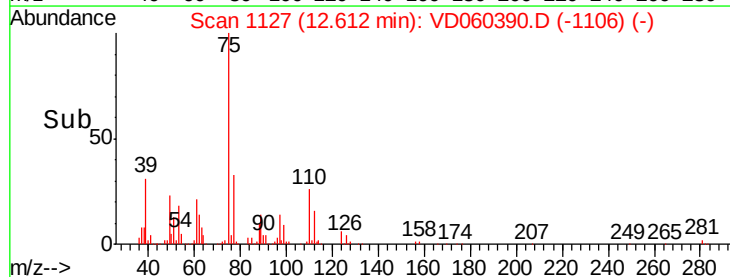
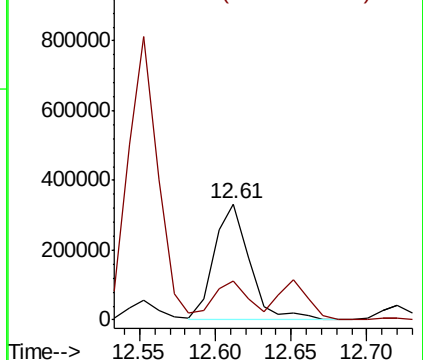
75 100

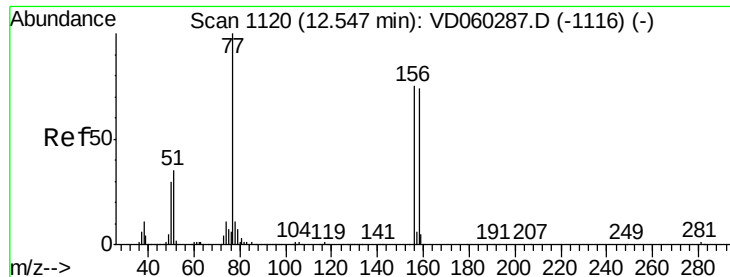
77 33.2 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

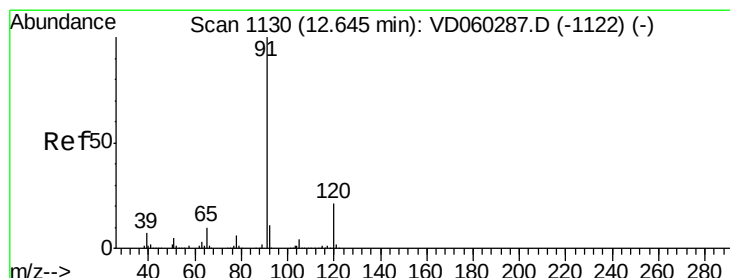
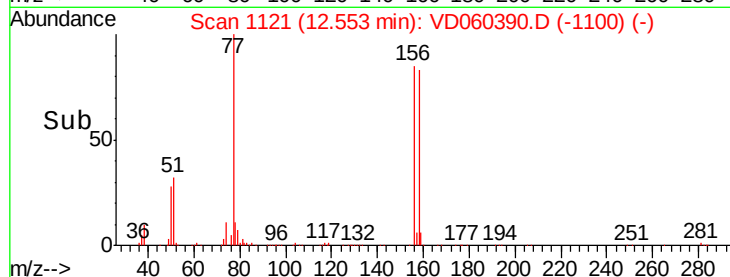
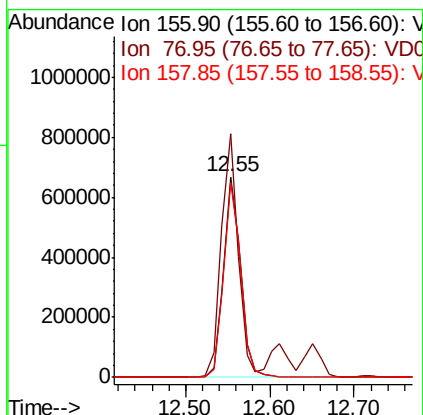
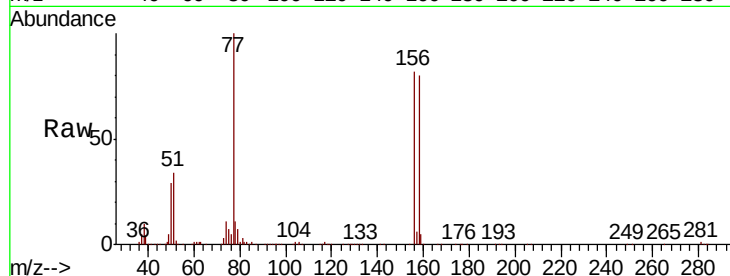




#77
Bromobenzene
Concen: 52.176 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

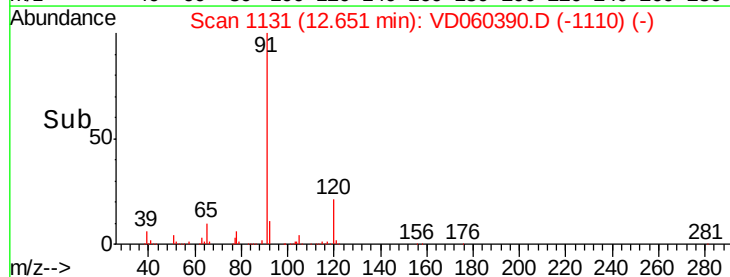
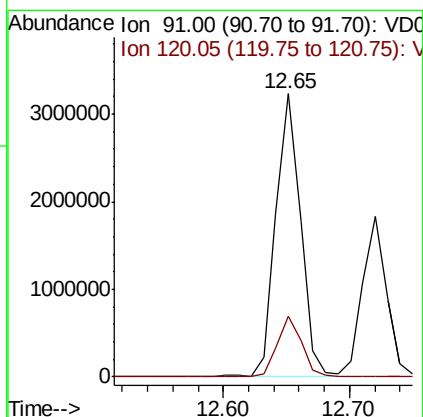
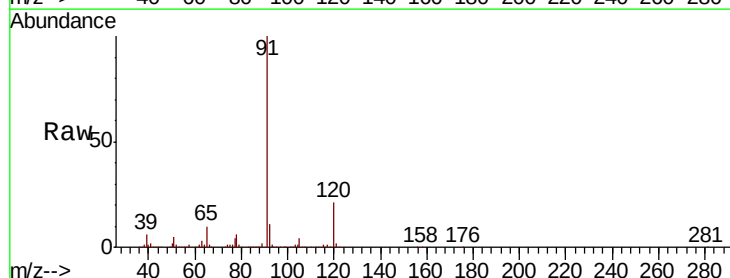
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

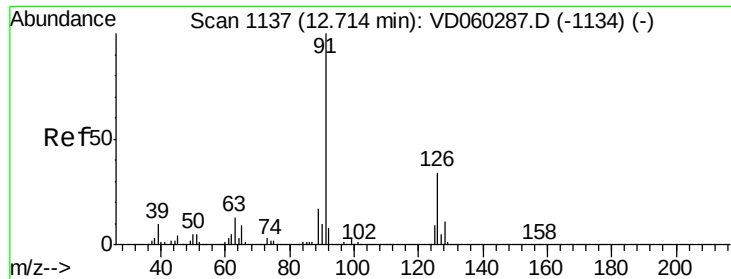
Tot Ion:156 Resp: 940779
Ion Ratio Lower Upper
156 100
77 121.3 61.2 183.6
158 97.4 49.2 147.6



#78
n-propylbenzene
Concen: 52.396 ug/l
RT: 12.65 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion: 91 Resp: 4439470
Ion Ratio Lower Upper
91 100
120 21.3 10.4 31.4





#79

2-Chlorotoluene

Concen: 52.664 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

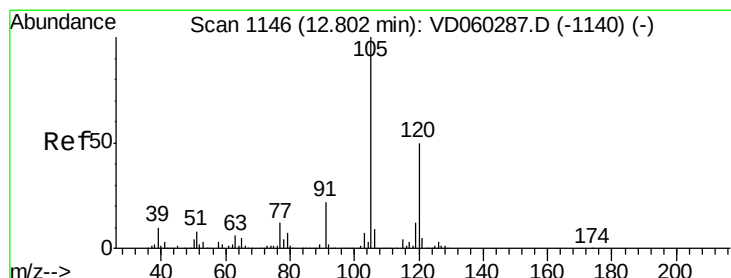
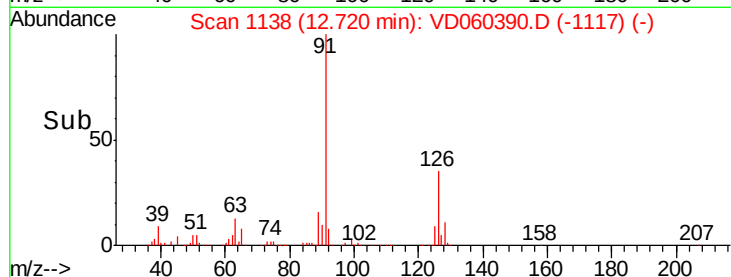
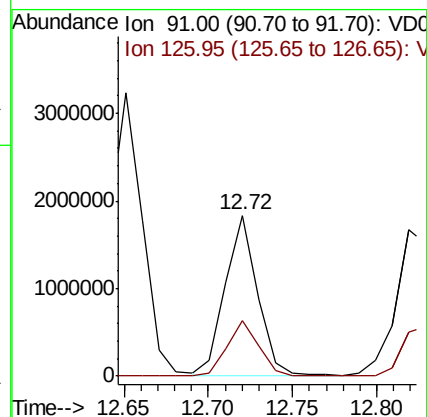
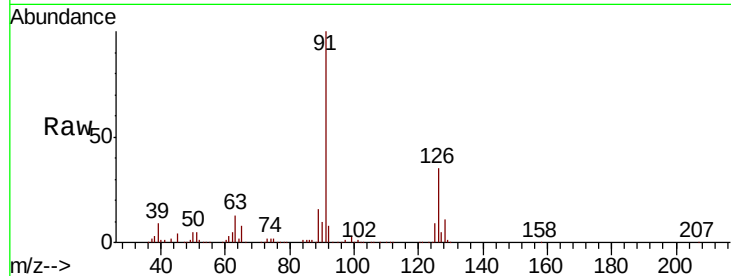
VSTDCCC050

Tot Ion: 91 Resp: 2443857

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 51.695 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060390.D

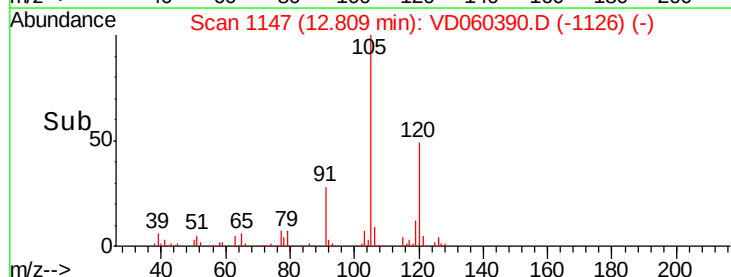
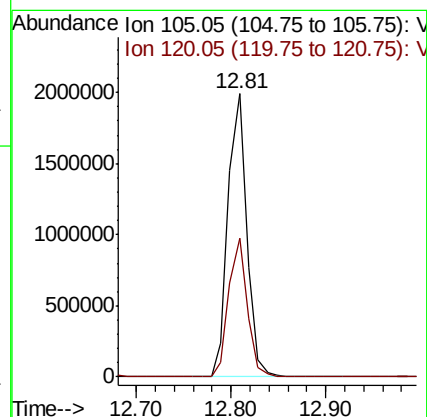
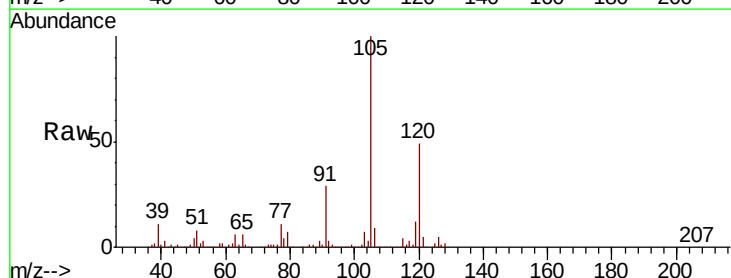
Acq: 16 Nov 2018 10:54

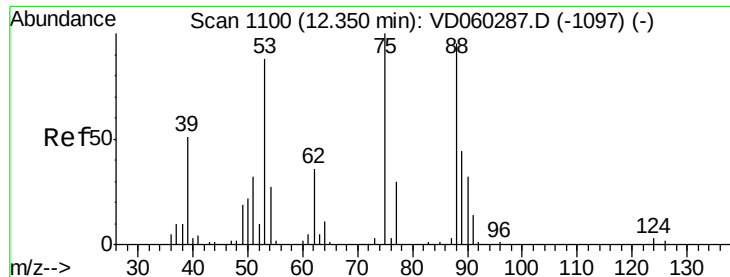
Tgt Ion: 105 Resp: 2727119

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.048 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

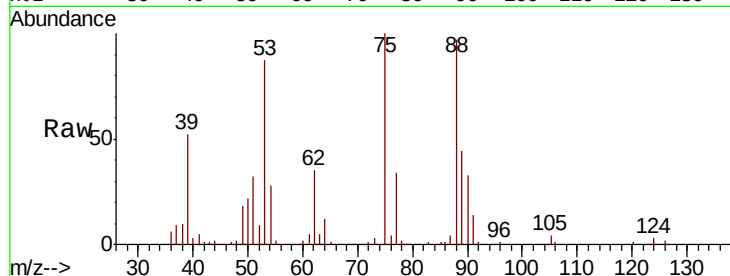
Tot Ion: 75 Resp: 155632

Ion Ratio Lower Upper

75 100

53 87.3 68.6 103.0

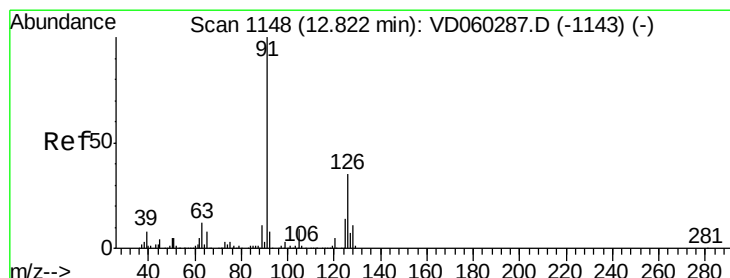
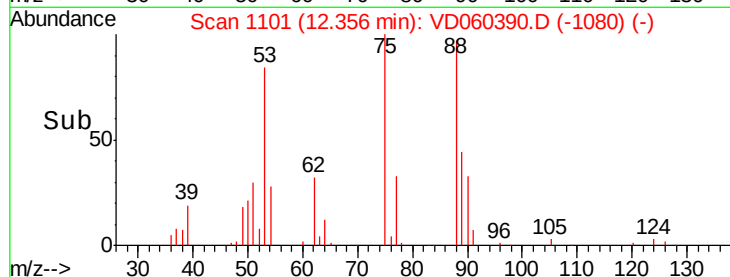
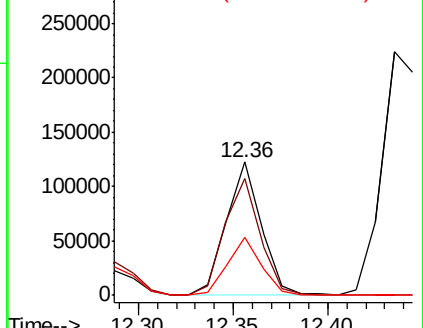
89 43.9 34.1 51.1



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: 51.325 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060390.D

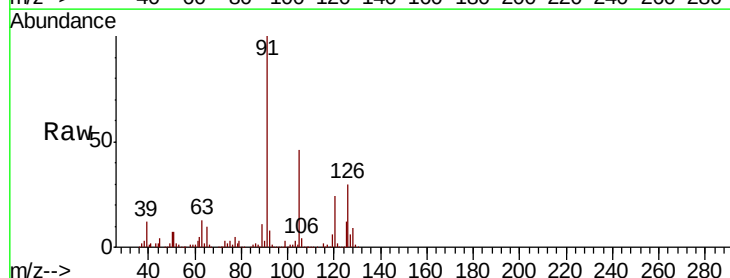
Acq: 16 Nov 2018 10:54

Tgt Ion: 91 Resp: 2675485

Ion Ratio Lower Upper

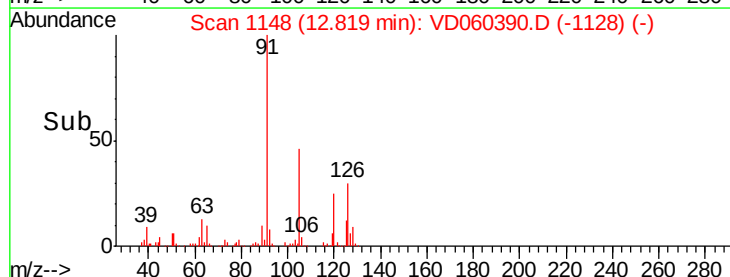
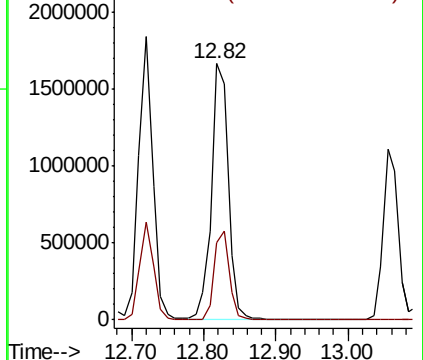
91 100

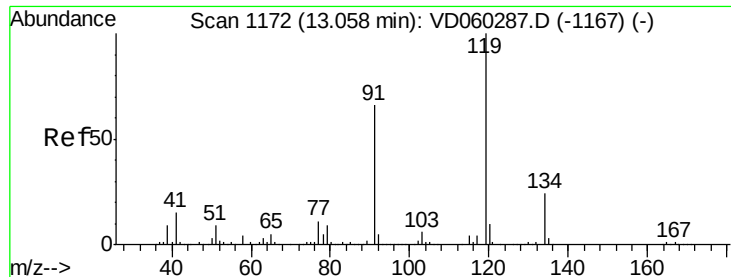
126 29.9 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

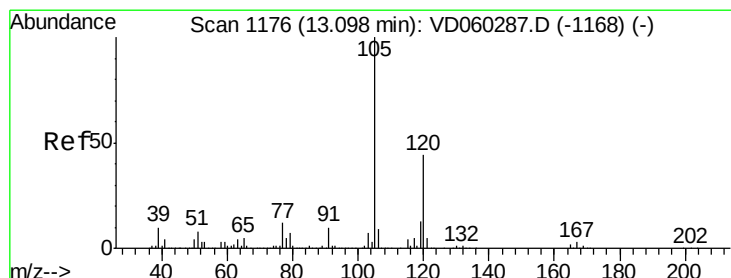
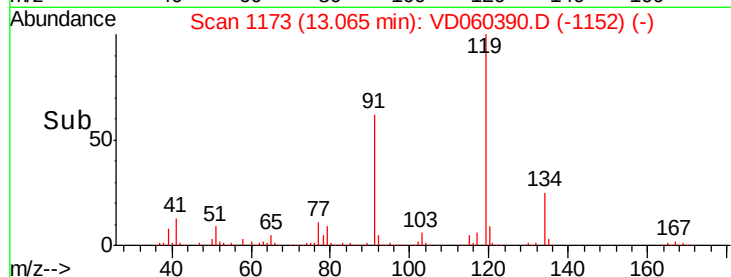
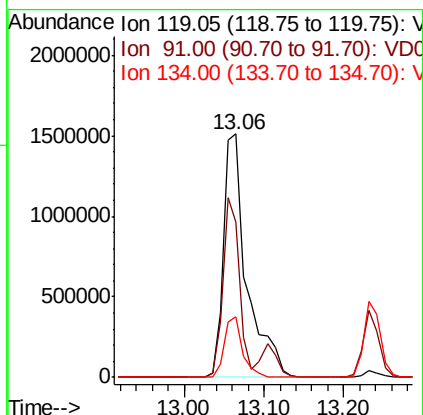
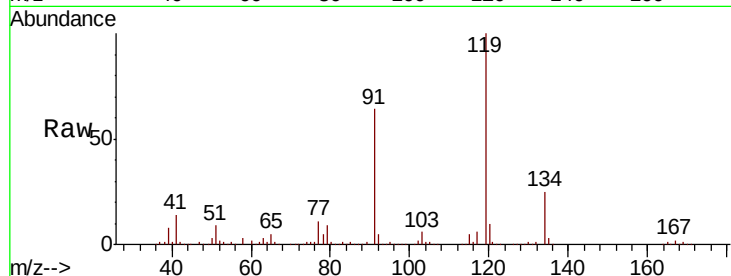




#83
 tert-Butylbenzene
 Concen: 53.144 ug/l
 RT: 13.06 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

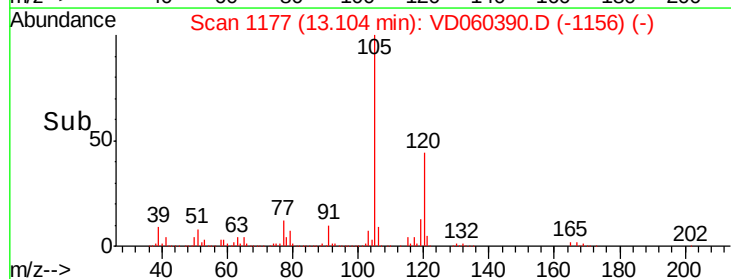
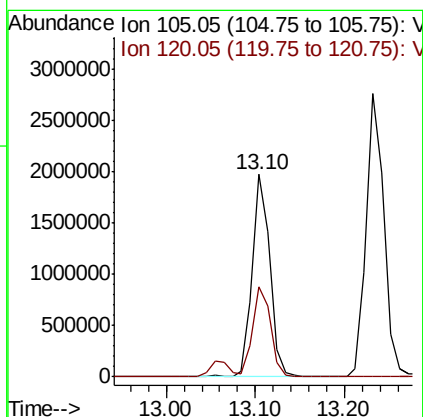
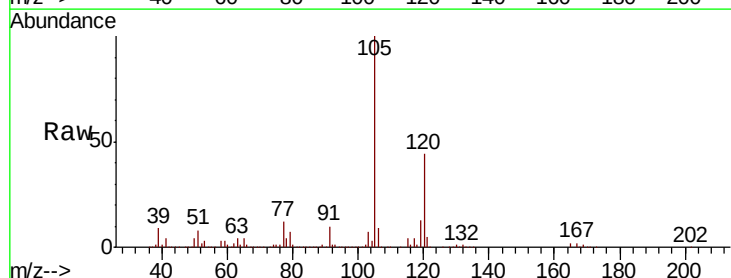
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

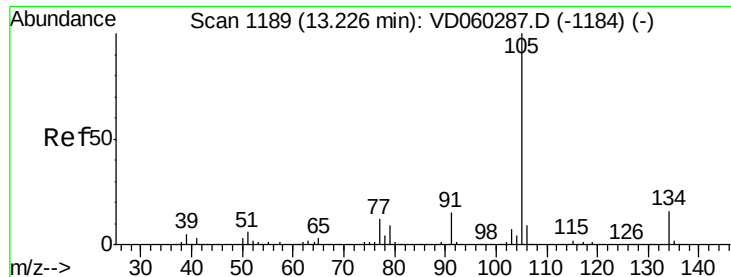
Tot Ion:119 Resp: 3112548
 Ion Ratio Lower Upper
 119 100
 91 63.8 32.7 98.1
 134 24.6 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.949 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion:105 Resp: 2684286
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 52.581 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

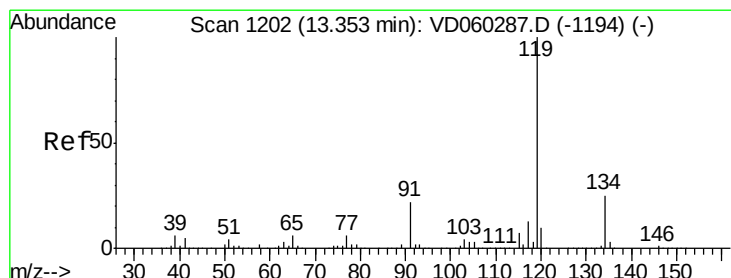
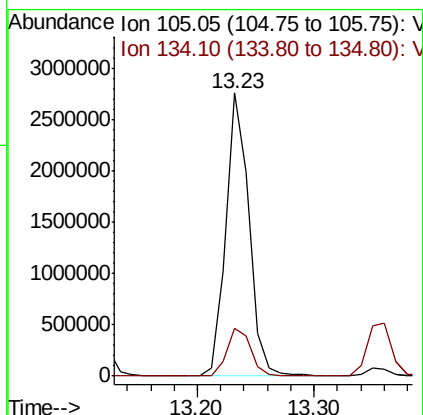
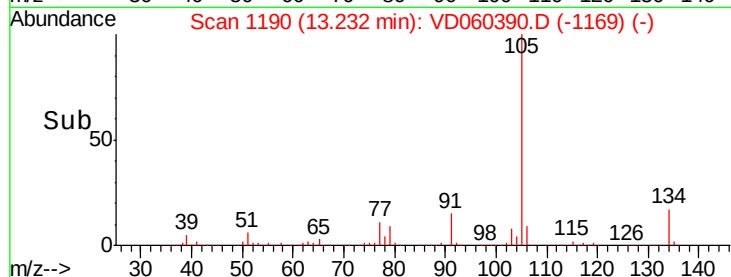
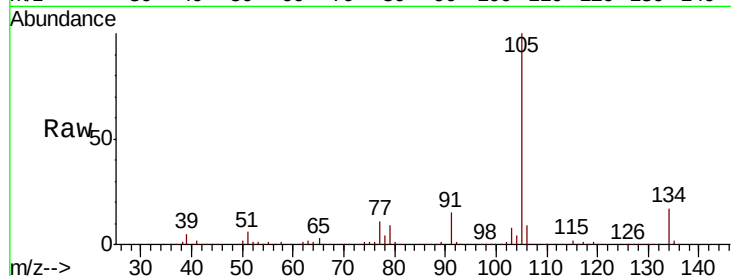
VSTDCCC050

Tot Ion:105 Resp: 3778325

Ion Ratio Lower Upper

105 100

134 17.0 8.0 24.0



#86

p-Isopropyltoluene

Concen: 53.131 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

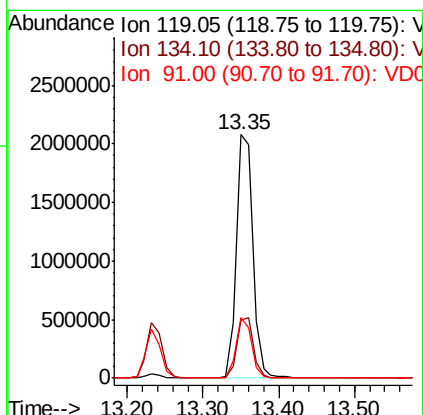
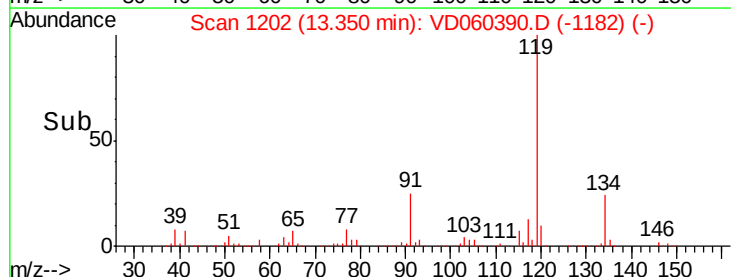
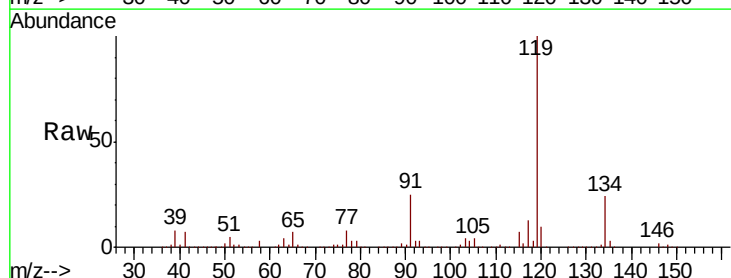
Tgt Ion:119 Resp: 3074492

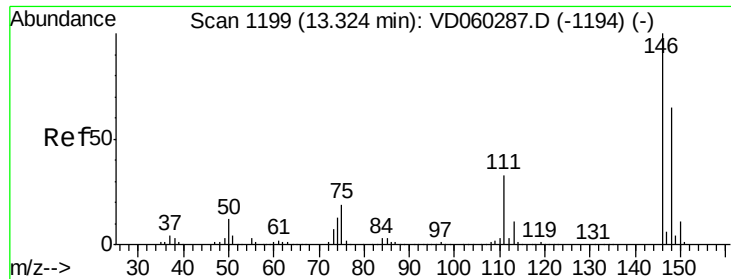
Ion Ratio Lower Upper

119 100

134 23.7 12.9 38.6

91 25.0 11.3 33.8

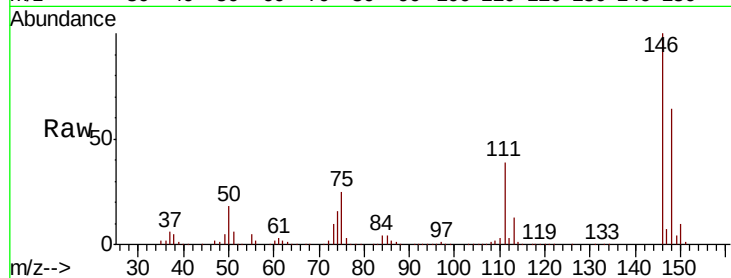




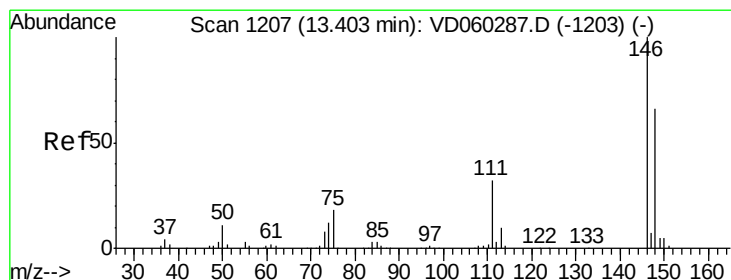
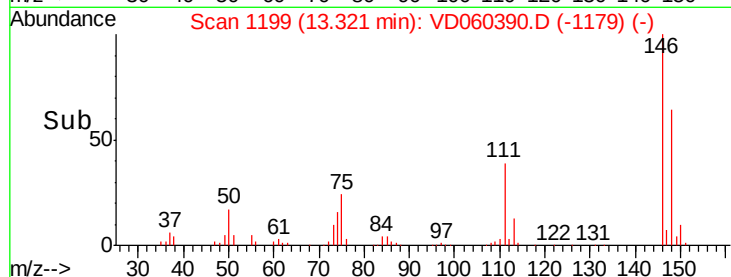
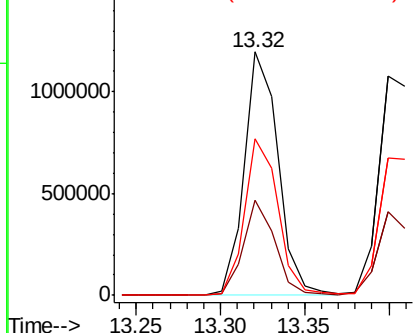
#87
 1,3-Dichlorobenzene
 Concen: 51.983 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1667614
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.2 60.5
 148 64.2 32.0 96.0

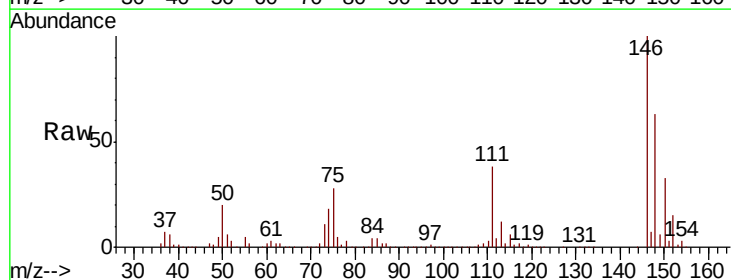


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

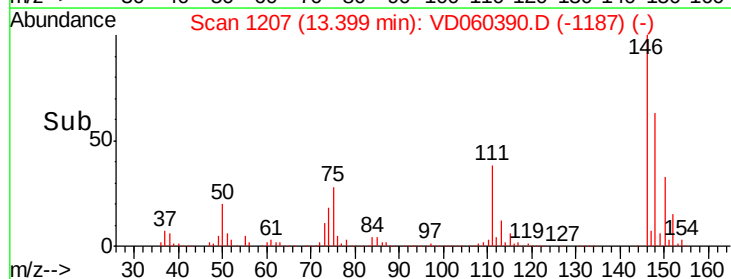
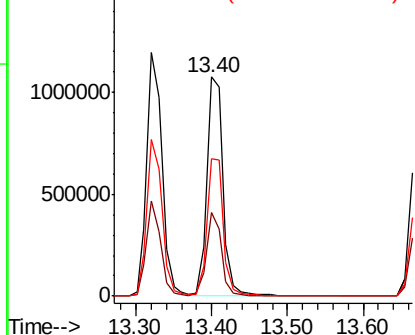


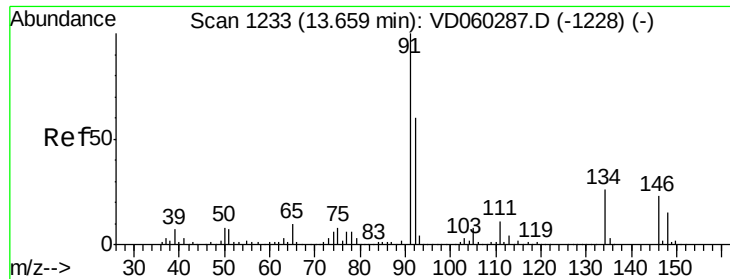
#88
 1,4-Dichlorobenzene
 Concen: 51.482 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion:146 Resp: 1612942
 Ion Ratio Lower Upper
 146 100
 111 38.3 16.0 47.9
 148 63.0 32.9 98.7



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





#89

n-Butylbenzene

Concen: 55.962 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD060390.D

Acq: 16 Nov 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

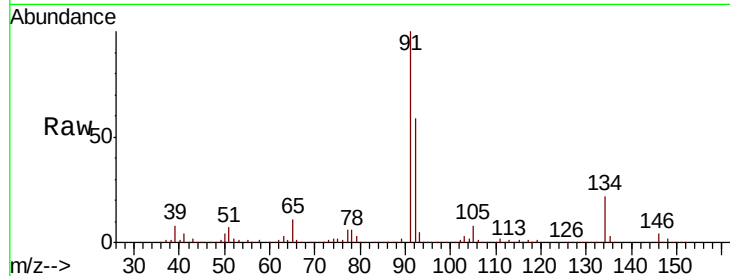
Tot Ion: 91 Resp: 3084527

Ion Ratio Lower Upper

91 100

92 59.5 30.3 90.9

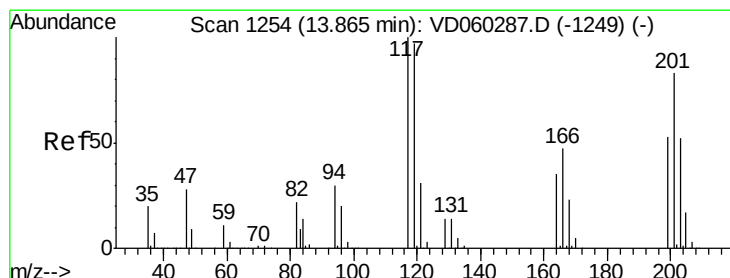
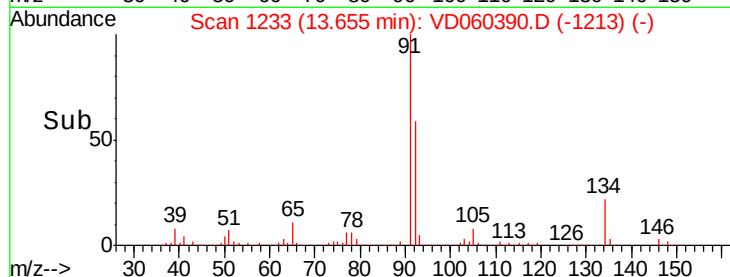
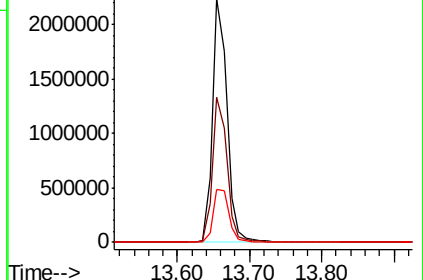
134 22.0 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.370 ug/l

RT: 13.87 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060390.D

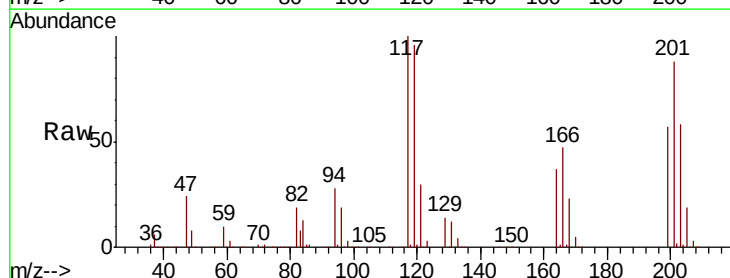
Acq: 16 Nov 2018 10:54

Tgt Ion: 117 Resp: 773468

Ion Ratio Lower Upper

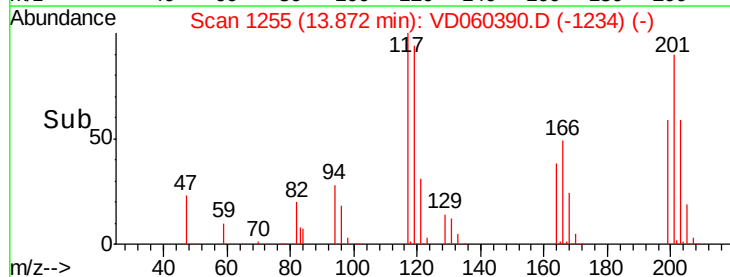
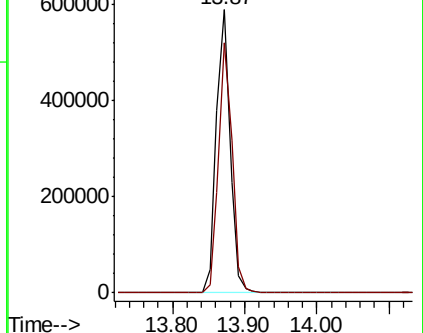
117 100

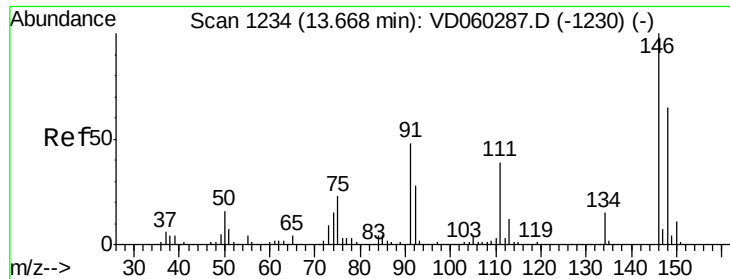
201 88.3 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

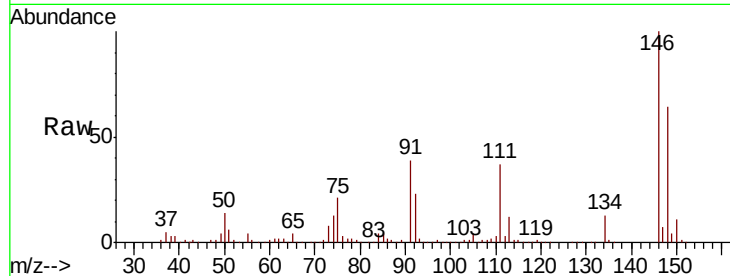




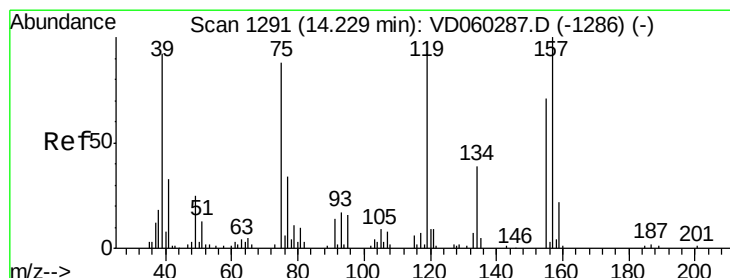
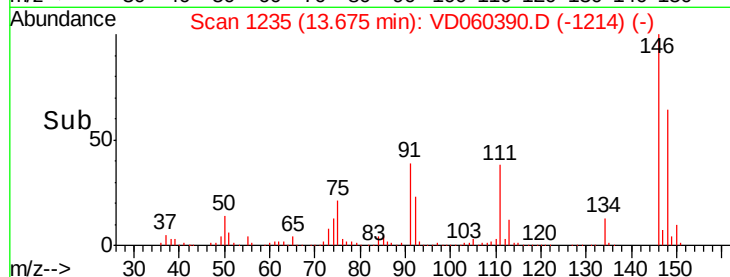
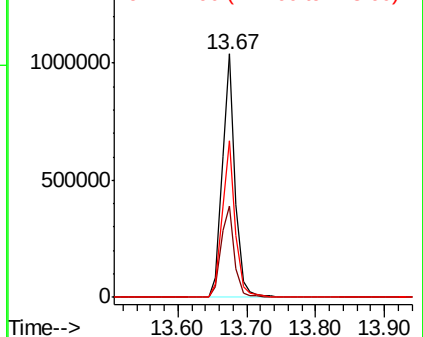
#91
 1,2-Dichlorobenzene
 Concen: 50.534 ug/l
 RT: 13.67 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1331564
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 64.5 31.6 94.8

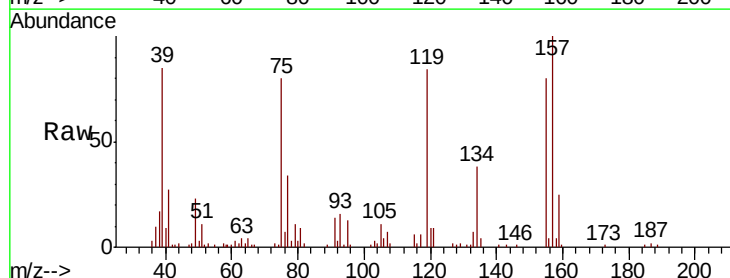


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

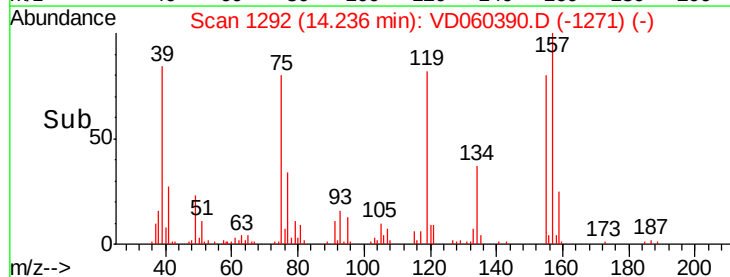
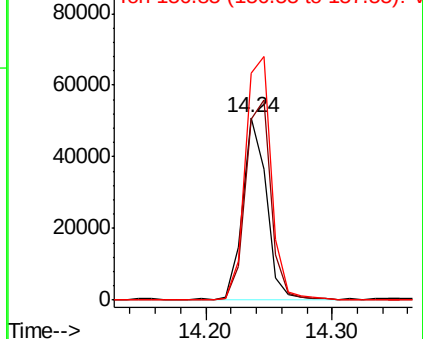


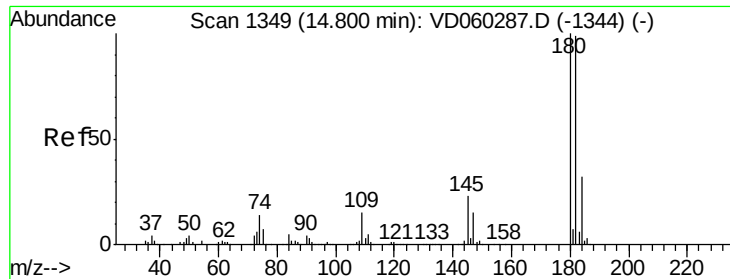
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.783 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion: 75 Resp: 66714
 Ion Ratio Lower Upper
 75 100
 155 99.2 64.3 192.9
 157 124.4 81.0 243.1



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

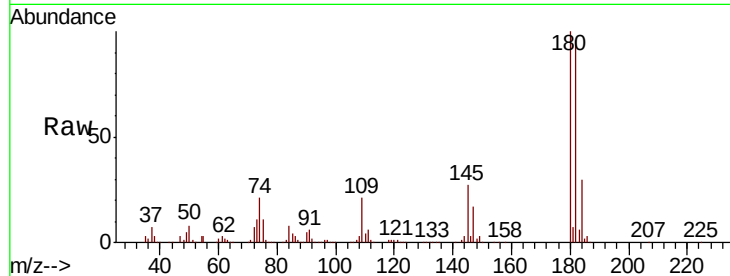




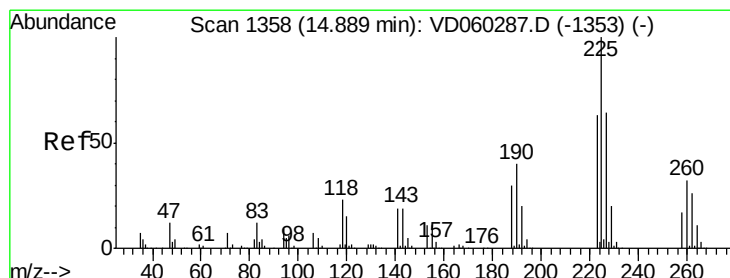
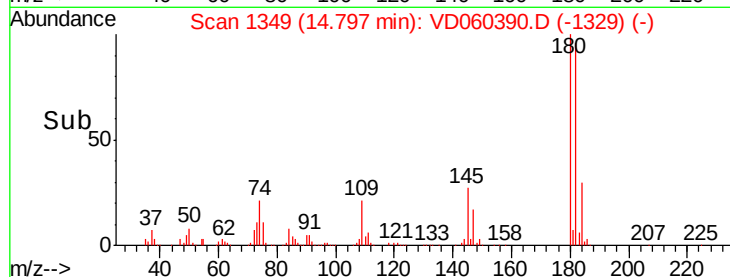
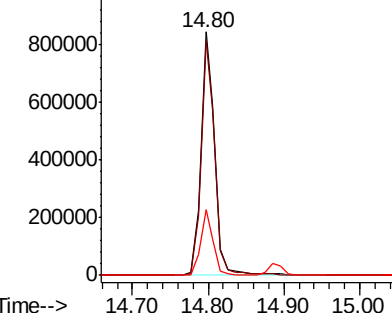
#93
 1,2,4-Trichlorobenzene
 Concen: 52.135 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1089173
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.4
 145 27.1 11.5 34.4

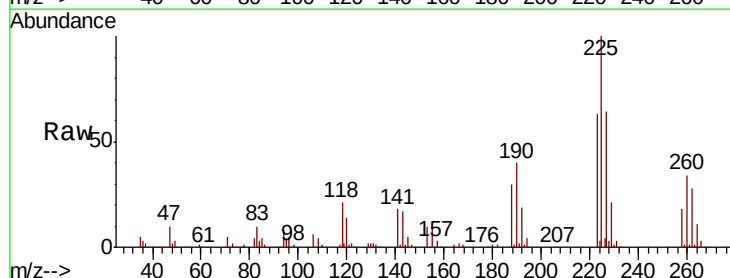


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

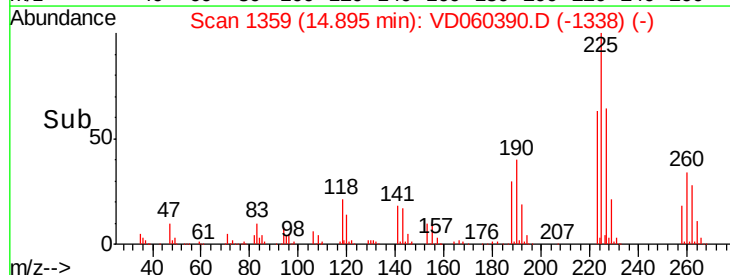
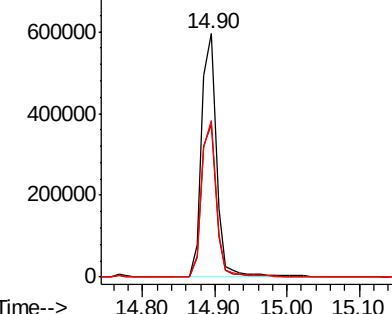


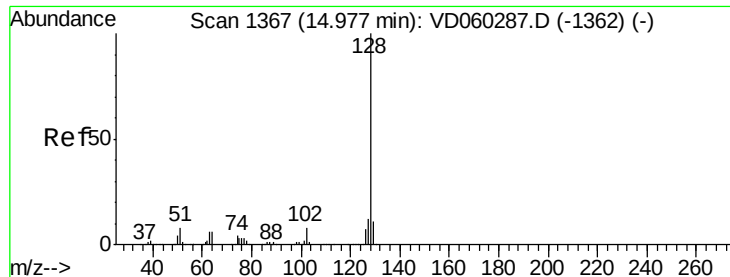
#94
 Hexachlorobutadiene
 Concen: 54.206 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060390.D
 Acq: 16 Nov 2018 10:54

Tgt Ion:225 Resp: 847042
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 94.8
 227 64.4 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

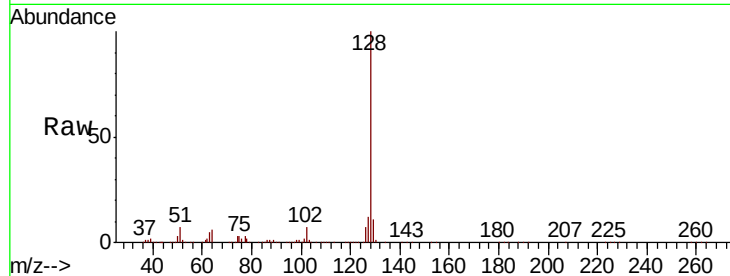




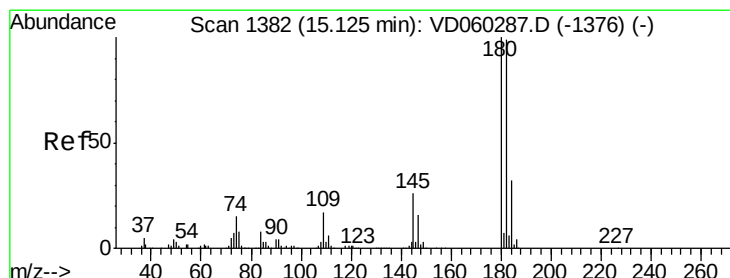
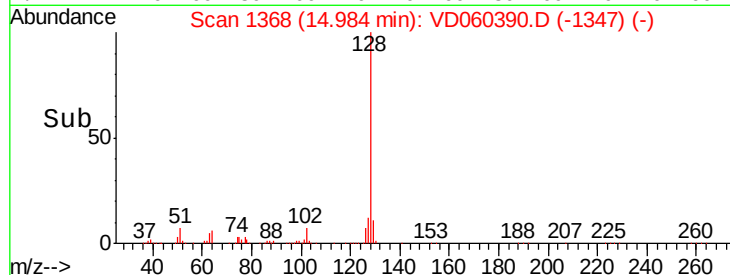
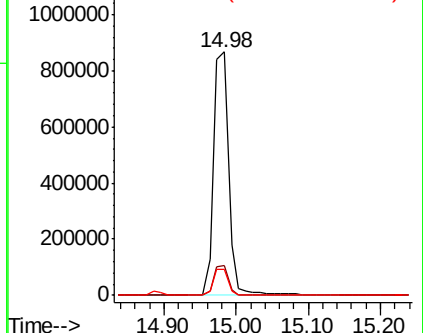
#95
Naphthalene
Concen: 49.295 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1257515
Ion Ratio Lower Upper
128 100
127 12.3 9.6 14.4
129 10.5 8.6 12.8

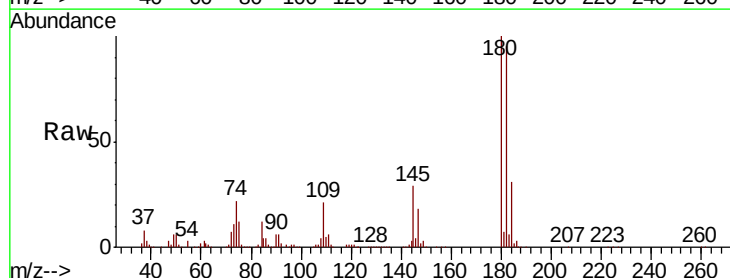


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.618 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD060390.D
Acq: 16 Nov 2018 10:54

Tgt Ion:180 Resp: 864148
Ion Ratio Lower Upper
180 100
182 95.2 48.9 146.7
145 28.8 12.9 38.6



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

