

Data File : VD060649.D
Acq On : 19 Dec 2018 20:28
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Quant Time: Dec 20 01:09:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	314186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	422546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	379118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	312625	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	224590	95.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.56%	
35) Dibromofluoromethane	6.30	113	315386	99.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.96%	
50) Toluene-d8	9.43	98	966943	98.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.64%	
62) 4-Bromofluorobenzene	12.42	95	430279	100.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	324924	69.766	ug/l	97
3) Chloromethane	1.74	50	565671	101.379	ug/l	97
4) Vinyl Chloride	1.83	62	428701	101.018	ug/l	97
5) Bromomethane	2.13	94	200514	81.321	ug/l	99
6) Chloroethane	2.24	64	168436	89.369	ug/l	97
7) Trichlorofluoromethane	2.49	101	440464	94.996	ug/l	99
8) Diethyl Ether	2.78	74	86686	97.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	317384	100.024	ug/l	97
10) Methyl Iodide	3.22	142	335444	99.485	ug/l	99
11) Tert butyl alcohol	3.89	59	52941	542.502	ug/l	95
12) 1,1-Dichloroethene	3.05	96	272375	100.346	ug/l	97
13) Acrolein	2.95	56	64335	554.275	ug/l	97
14) Allyl chloride	3.50	41	458853	100.762	ug/l	97
15) Acrylonitrile	4.03	53	279890	521.893	ug/l	95
16) Acetone	3.12	43	254611	462.593	ug/l	100
17) Carbon Disulfide	3.29	76	938588	105.207	ug/l	99
18) Methyl Acetate	3.51	43	144215	100.714	ug/l	99
19) Methyl tert-butyl Ether	4.07	73	398755	100.761	ug/l	99
20) Methylene Chloride	3.69	84	367367	99.511	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	363648	96.769	ug/l	98
22) Diisopropyl ether	4.81	45	1145464	101.789	ug/l	98
23) Vinyl Acetate	4.76	43	2669964	517.952	ug/l	100
24) 1,1-Dichloroethane	4.72	63	584244	98.570	ug/l	99
25) 2-Butanone	5.58	43	387535	511.948	ug/l	94
26) 2,2-Dichloropropane	5.56	77	359831	111.820	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	367138	101.434	ug/l	95
28) Bromochloromethane	5.89	49	246472	107.614	ug/l #	89
29) Tetrahydrofuran	5.91	42	210127	511.953	ug/l	98
30) Chloroform	6.08	83	597454	99.892	ug/l	96
31) Cyclohexane	6.34	56	558376	103.620	ug/l	95
32) 1,1,1-Trichloroethane	6.27	97	469366	101.409	ug/l	97
36) 1,1-Dichloropropene	6.50	75	474953	99.648	ug/l	95
37) Ethyl Acetate	5.66	43	164605	100.430	ug/l #	98
38) Carbon Tetrachloride	6.47	117	382187	104.467	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	533038	105.816	ug/l	97
40) Benzene	6.77	78	1181796	99.574	ug/l	99
41) Methacrylonitrile	5.89	41	225400	231.041	ug/l #	92
42) 1,2-Dichloroethane	6.87	62	290199	98.362	ug/l	100
43) Isopropyl Acetate	8.32	43	231107	106.720	ug/l #	96
44) Trichloroethene	7.72	130	349539	100.467	ug/l	99
45) 1,2-Dichloropropane	8.09	63	290832	102.036	ug/l	100
46) Dibromomethane	8.19	93	157890	103.879	ug/l	98
47) Bromodichloromethane	8.47	83	396208	103.815	ug/l	97
48) Methyl methacrylate	8.22	41	152663	117.491	ug/l	95
49) 1,4-Dioxane	8.21	88	37579	2681.645	ug/l	93
51) 4-Methyl-2-Pentanone	9.32	43	755968	521.664	ug/l	99
52) Toluene	9.53	92	743818	102.795	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	313790	107.911	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	414477	106.444	ug/l	92
55) 1,1,2-Trichloroethane	10.16	97	200110	103.638	ug/l	97
56) Ethyl methacrylate	10.02	69	180611	105.136	ug/l	97
57) 1,3-Dichloropropane	10.37	76	318876	97.930	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	278707	551.105	ug/l	98
59) 2-Hexanone	10.48	43	539210	518.842	ug/l	98
60) Dibromochloromethane	10.63	129	265401	105.077	ug/l	100
61) 1,2-Dibromoethane	10.74	107	196568	102.081	ug/l	97
64) Tetrachloroethene	10.24	164	340022	100.358	ug/l	94
65) Chlorobenzene	11.30	112	870723	104.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	280620	101.034	ug/l	99
67) Ethyl Benzene	11.42	91	1510419	100.198	ug/l	98
68) m/p-Xylenes	11.56	106	1163922	208.284	ug/l	96
69) o-Xylene	11.92	106	567412	102.845	ug/l	94
70) Styrene	11.95	104	934653	103.827	ug/l	99
71) Bromoform	12.11	173	199084	109.479	ug/l	99
73) Isopropylbenzene	12.27	105	1611509	96.213	ug/l	99
74) N-amyl acetate	12.13	43	373760	103.288	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	294850	100.771	ug/l	94
76) 1,2,3-Trichloropropane	12.59	75	275044	103.270	ug/l	96
77) Bromobenzene	12.53	156	449853	96.134	ug/l	98
78) n-propylbenzene	12.63	91	2202968	94.910	ug/l	99
79) 2-Chlorotoluene	12.70	91	1216135	96.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	1453855	97.164	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	66211	107.898	ug/l	98
82) 4-Chlorotoluene	12.80	91	1373584	92.287	ug/l	99
83) tert-Butylbenzene	13.05	119	1716186	99.475	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1626573	98.828	ug/l	99
85) sec-Butylbenzene	13.21	105	2158977	97.623	ug/l	99
86) p-Isopropyltoluene	13.34	119	1880215	98.715	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1039707	99.106	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1055836	99.615	ug/l	99
89) n-Butylbenzene	13.65	91	2053360	94.045	ug/l	99
90) Hexachloroethane	13.85	117	471842	103.239	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	911047	95.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	54542	107.756	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
Quantitation Report (Not Reviewed)

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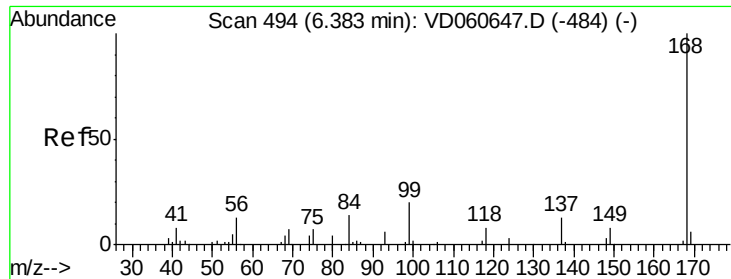
Quant Time: Dec 20 01:09:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	960565	98.492	ug/l	100
94) Hexachlorobutadiene	14.88	225	683098	94.452	ug/l	97
95) Naphthalene	14.96	128	1136380	98.845	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	790291	99.242	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

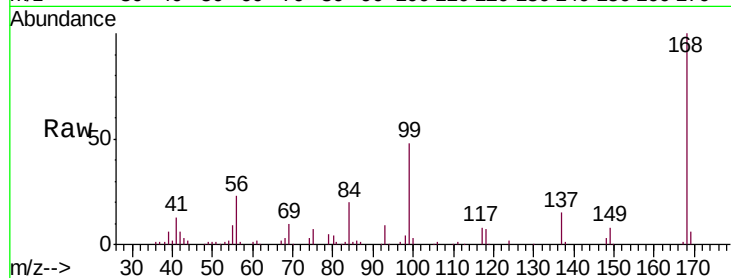
VSTDIC100

Tgt Ion:168 Resp: 314186

Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

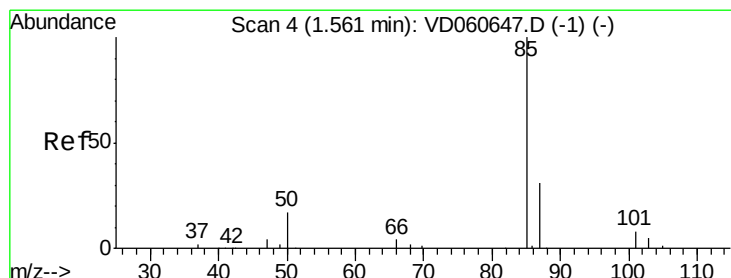
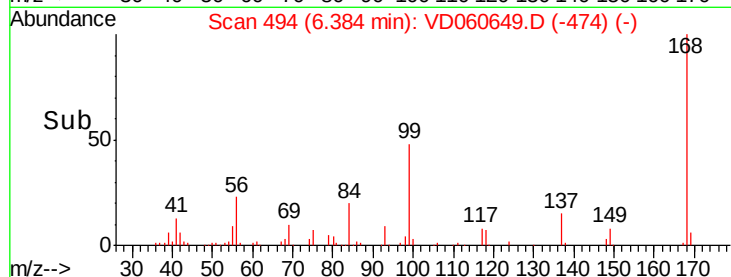
6.38

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 69.766 ug/l

RT: 1.56 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060649.D

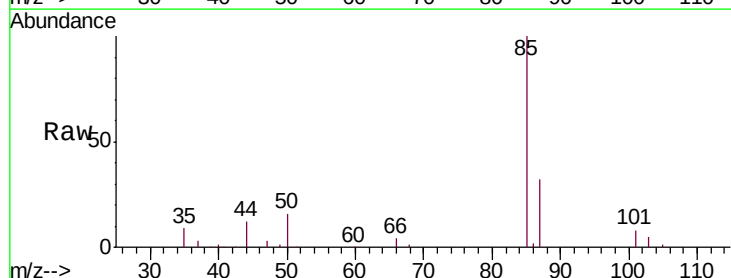
Acq: 19 Dec 2018 20:28

Tgt Ion: 85 Resp: 324924

Ion Ratio Lower Upper

85 100

87 32.1 15.3 45.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

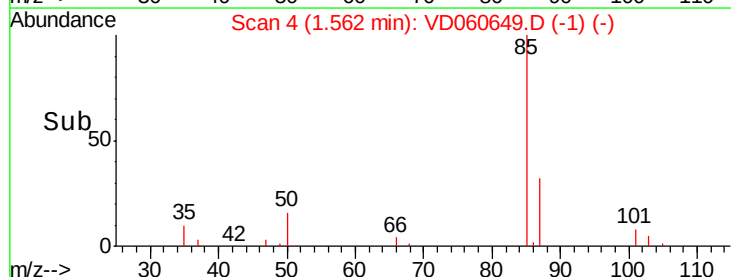
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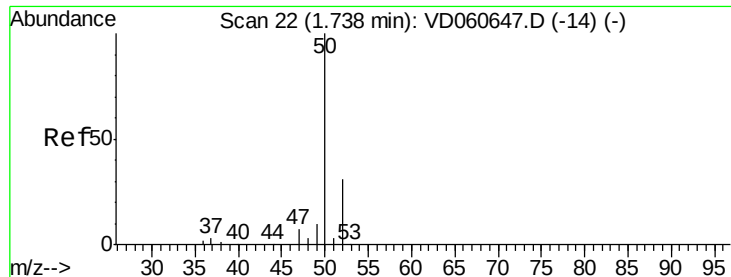
100000

50000

0

Time-->





#3

Chloromethane

Concen: 101.379 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

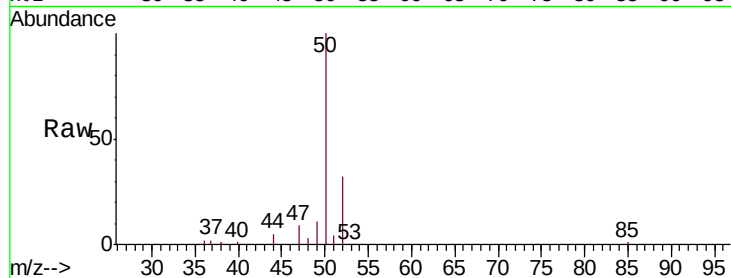
VSTDIC100

Tgt Ion: 50 Resp: 565671

Ion Ratio Lower Upper

50 100

52 32.1 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

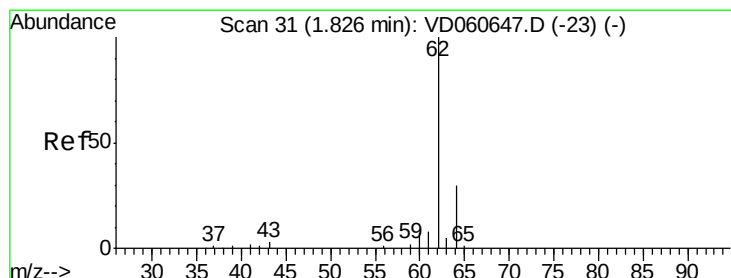
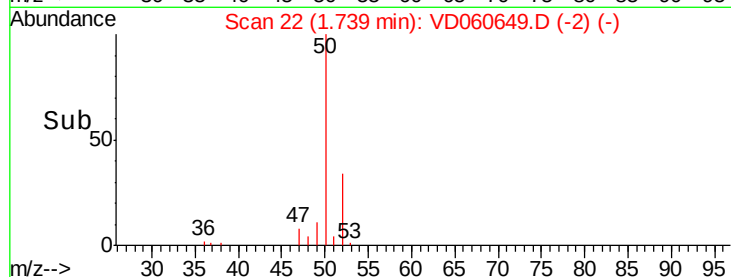
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 101.018 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060649.D

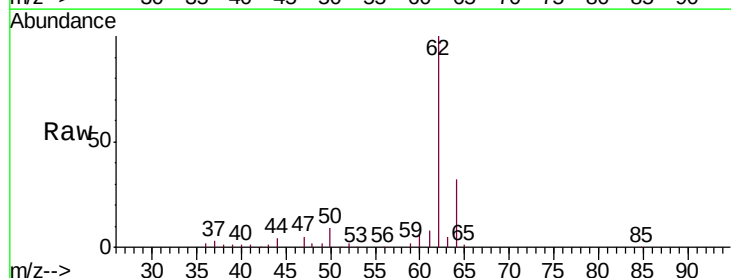
Acq: 19 Dec 2018 20:28

Tgt Ion: 62 Resp: 428701

Ion Ratio Lower Upper

62 100

64 32.0 24.3 36.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

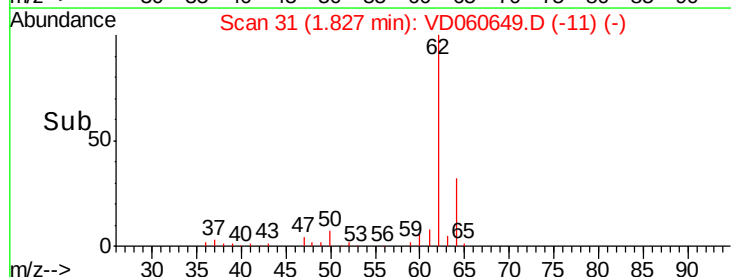
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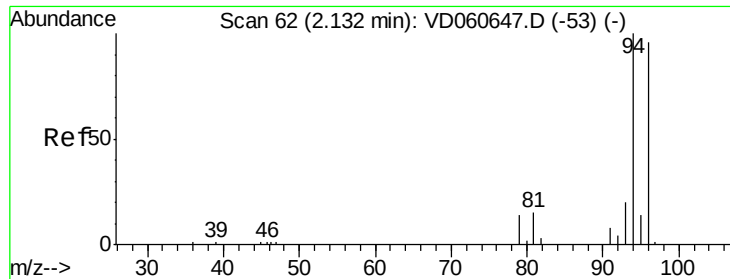
100000

50000

0

Time-->





#5

Bromomethane

Concen: 81.321 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

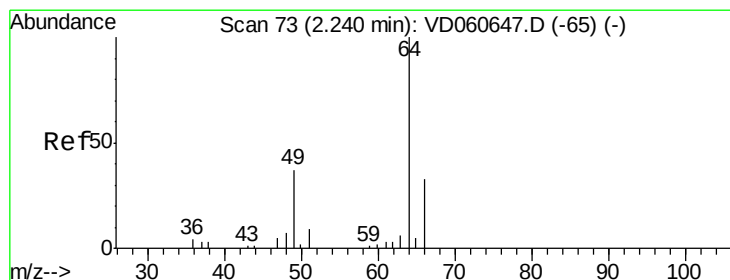
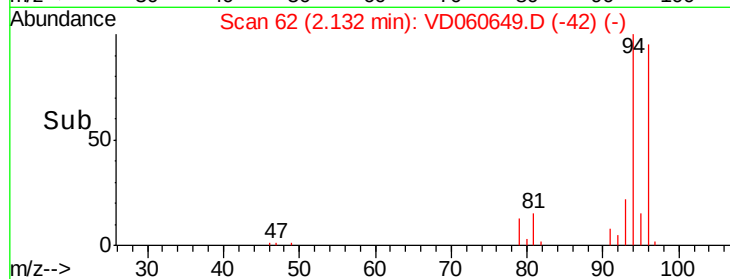
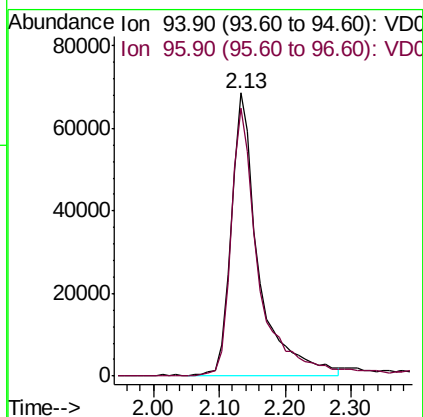
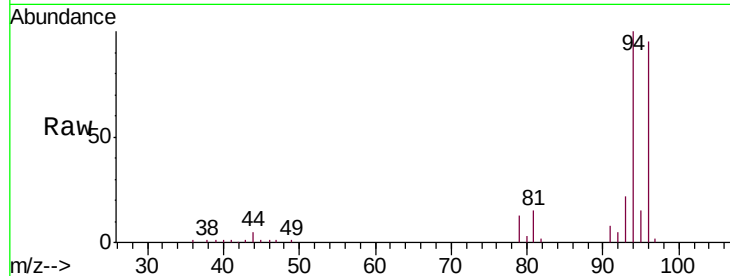
VSTDICC100

Tgt Ion: 94 Resp: 200514

Ion Ratio Lower Upper

94 100

96 94.8 76.7 115.1



#6

Chloroethane

Concen: 89.369 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD060649.D

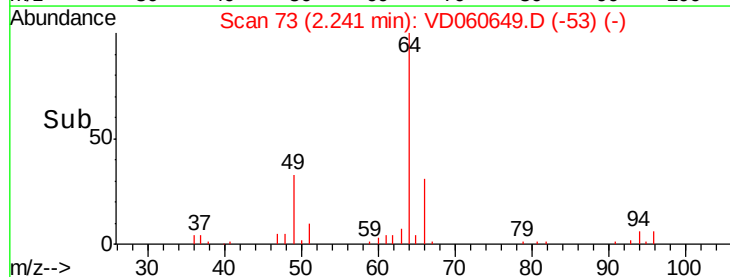
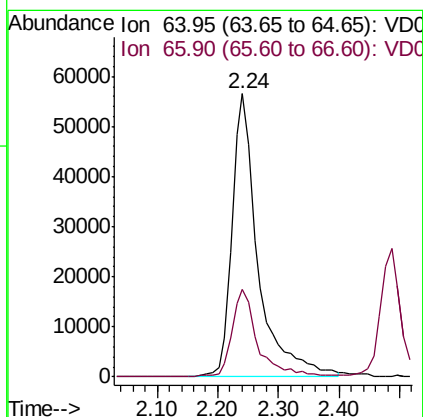
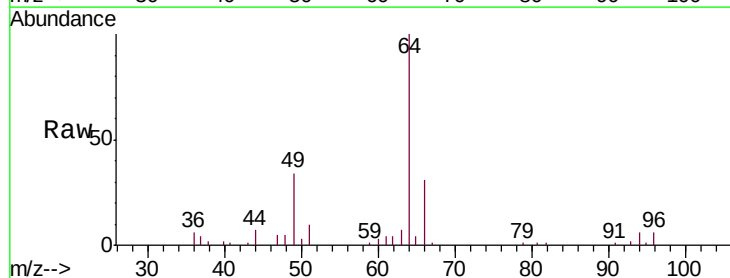
Acq: 19 Dec 2018 20:28

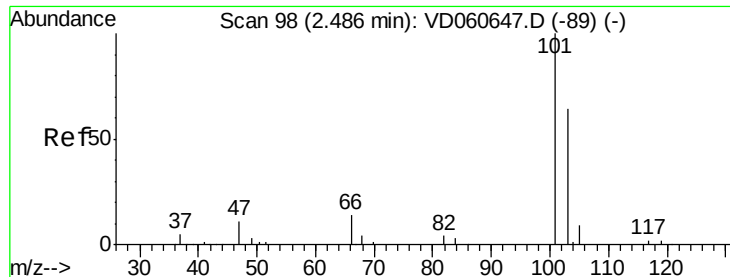
Tgt Ion: 64 Resp: 168436

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2



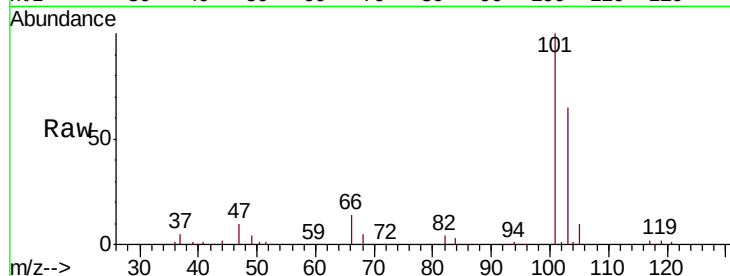


#7

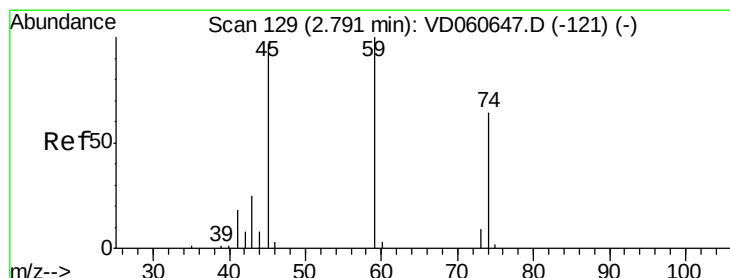
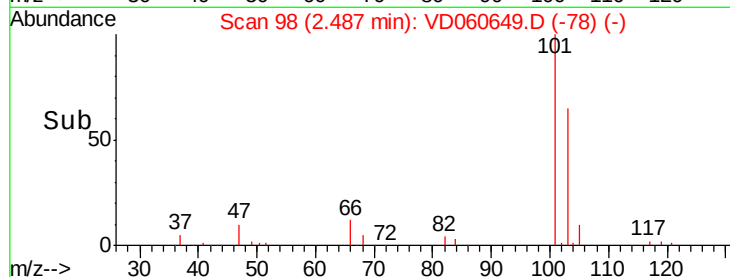
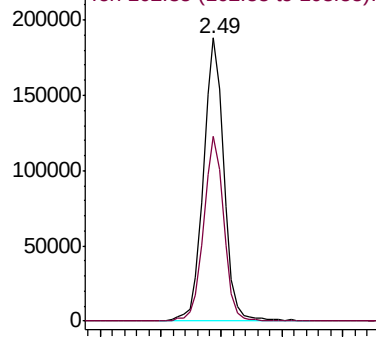
Trichlorofluoromethane
Concen: 94.996 ug/l
RT: 2.49 min Scan# 98
Delta R.T. 0.00 min
Lab File: VD060649.D
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Tgt Ion:101 Resp: 440464
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0



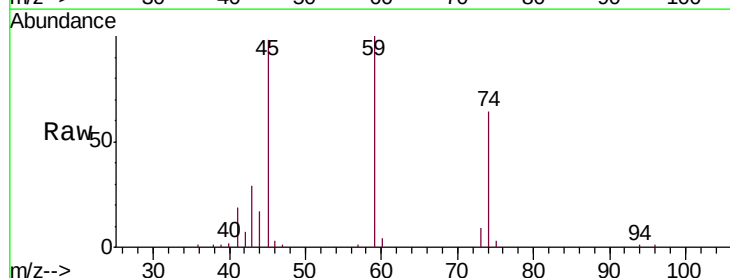
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



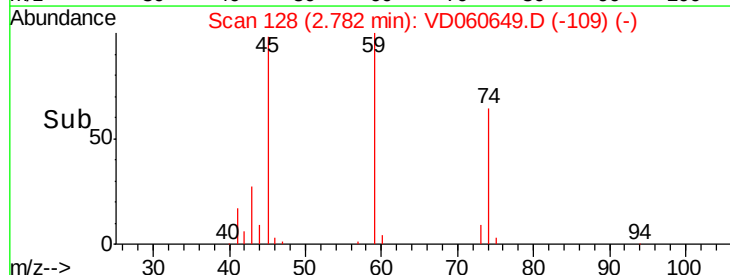
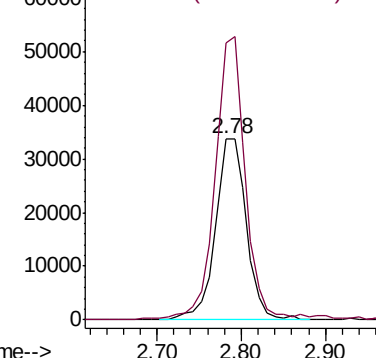
#8

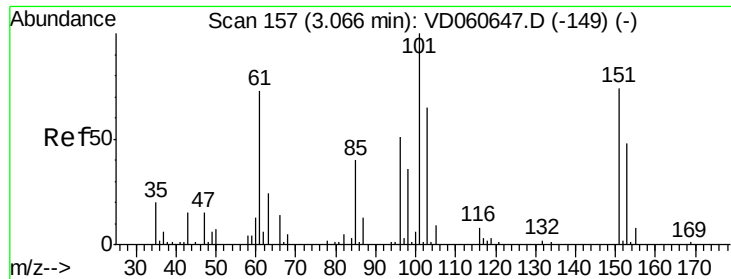
Diethyl Ether
Concen: 97.002 ug/l
RT: 2.78 min Scan# 128
Delta R.T. -0.01 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 74 Resp: 86686
Ion Ratio Lower Upper
74 100
45 152.8 75.0 225.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.024 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

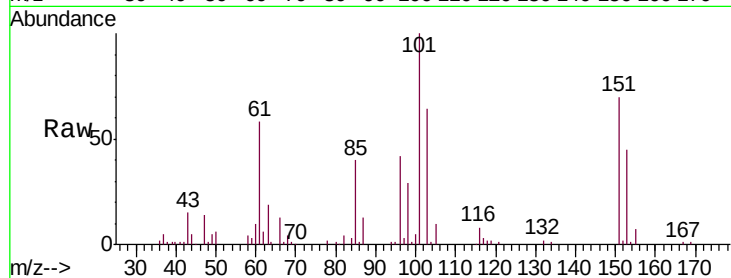
Tgt Ion:101 Resp: 317384

Ion Ratio Lower Upper

101 100

85 40.2 31.7 47.5

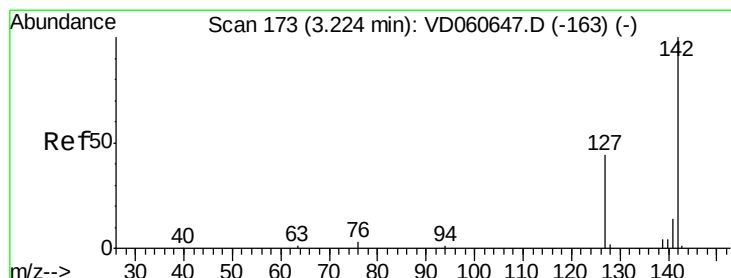
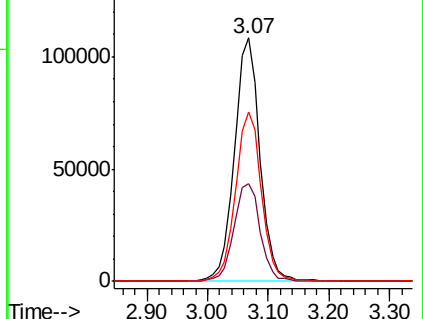
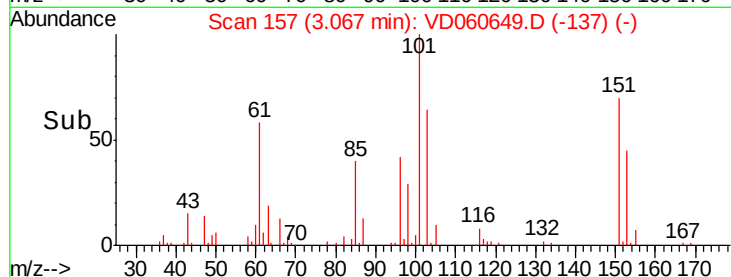
151 69.6 58.9 88.3



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: 99.485 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

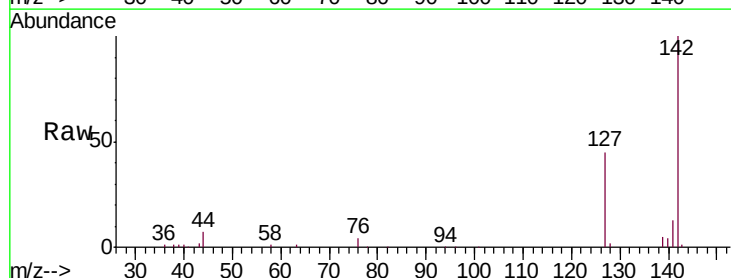
Tgt Ion:142 Resp: 335444

Ion Ratio Lower Upper

142 100

127 44.6 35.3 52.9

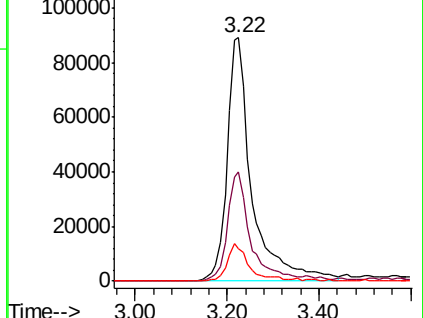
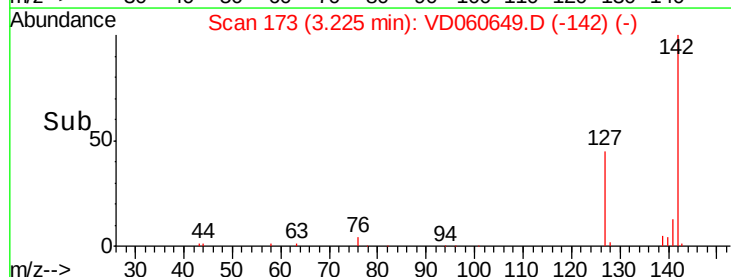
141 13.5 11.4 17.0

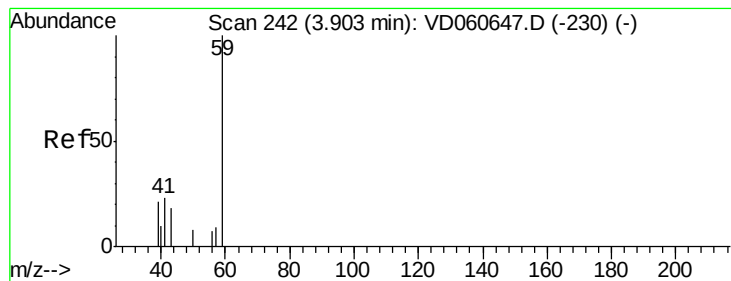


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



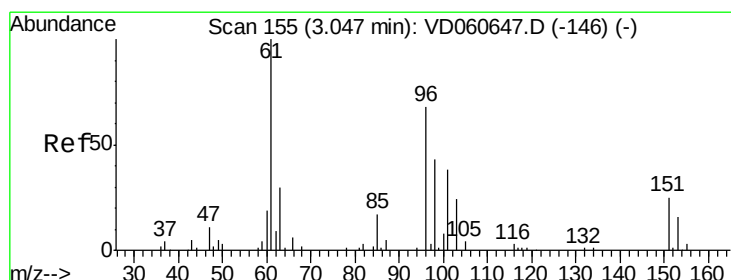
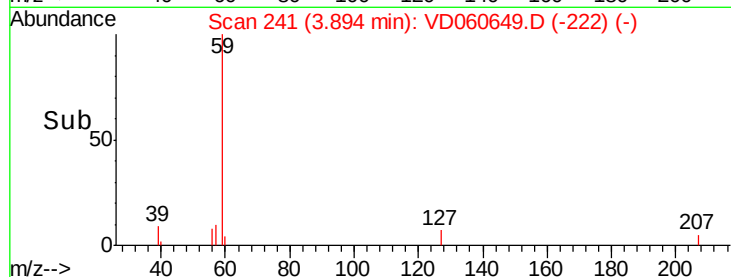
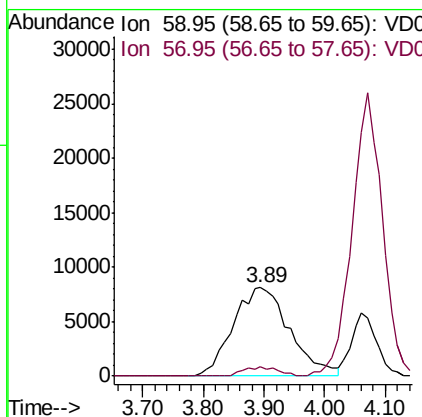
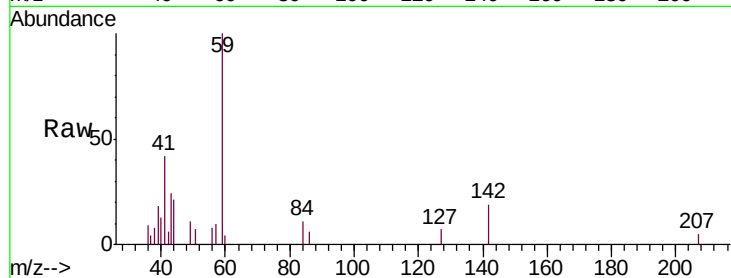


#11

Tert butyl alcohol
Concen: 542.502 ug/l
RT: 3.89 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

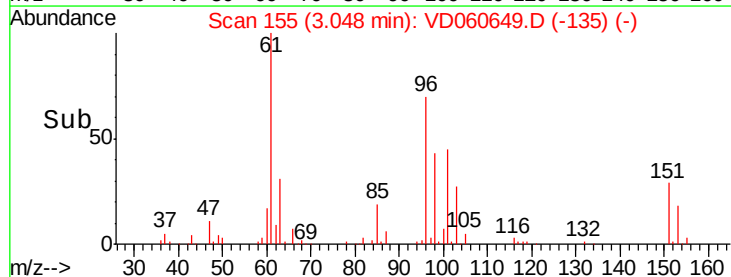
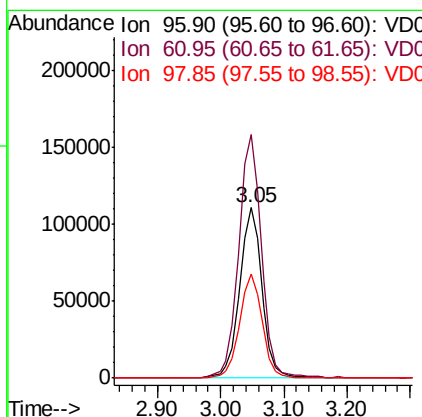
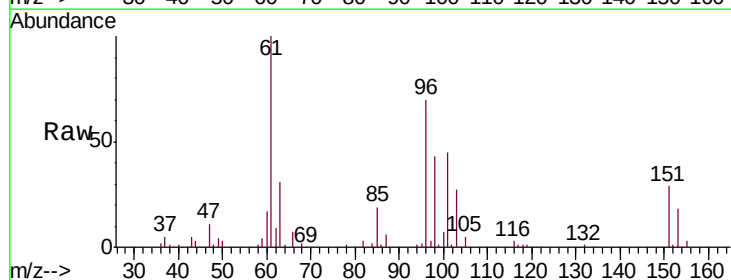
Tgt Ion: 59 Resp: 52941
Ion Ratio Lower Upper
59 100
57 10.5 7.0 10.6

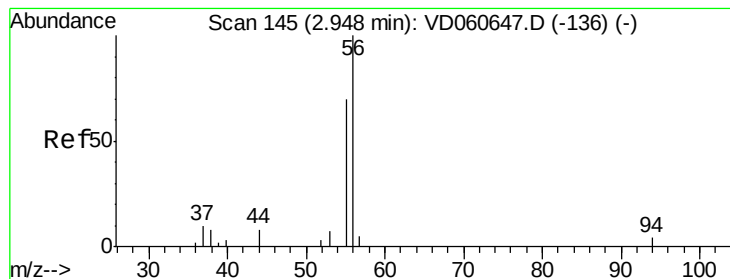


#12

1,1-Dichloroethene
Concen: 100.346 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 96 Resp: 272375
Ion Ratio Lower Upper
96 100
61 142.8 117.7 176.5
98 60.8 50.4 75.6





#13

Acrolein

Concen: 554.275 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

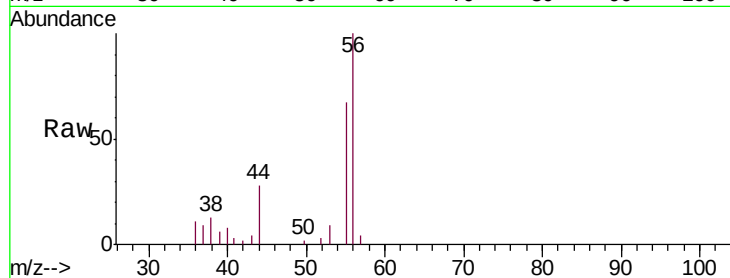
VSTDIC100

Tgt Ion: 56 Resp: 64335

Ion Ratio Lower Upper

56 100

55 67.0 55.8 83.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

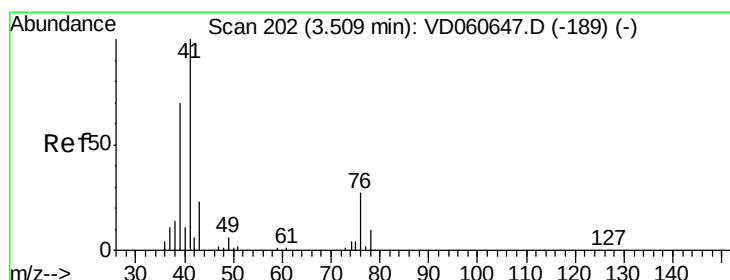
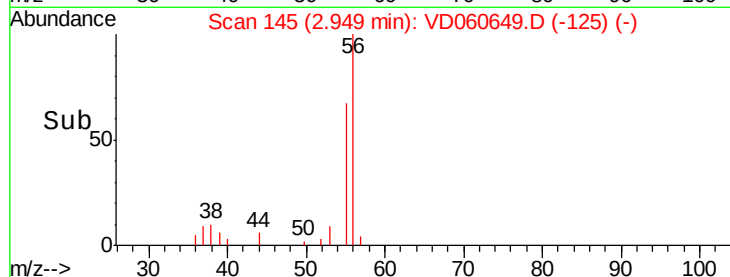
5000

0

Time-->

2.80 2.90 3.00 3.10

2.95



#14

Allyl chloride

Concen: 100.762 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.01 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

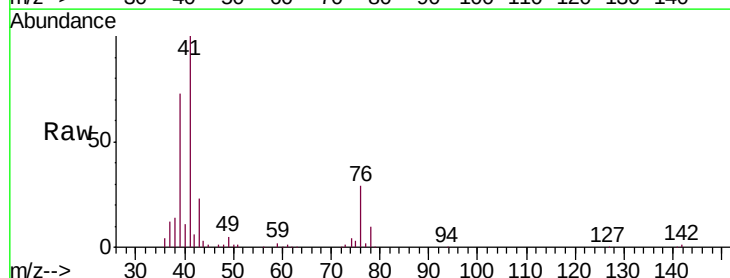
Tgt Ion: 41 Resp: 458853

Ion Ratio Lower Upper

41 100

39 72.8 55.7 83.5

76 29.0 23.9 35.9



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

400000

300000

200000

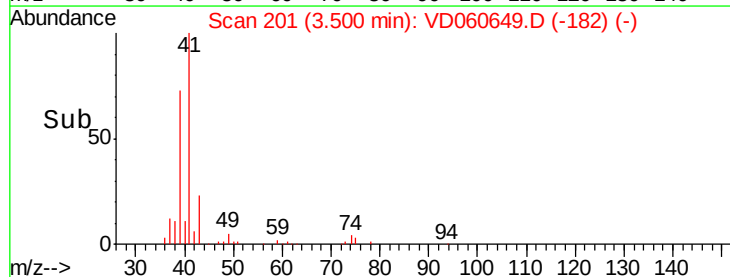
100000

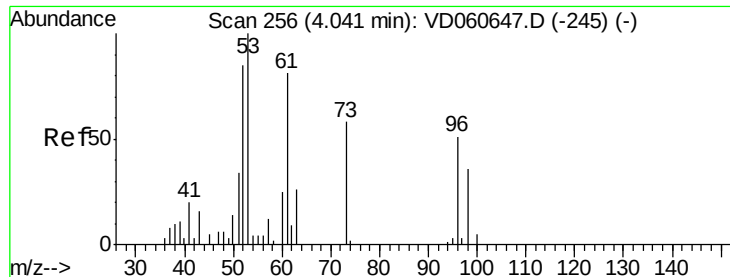
0

Time-->

3.30 3.40 3.50 3.60 3.70

3.50





#15

Acrylonitrile

Concen: 521.893 ug/l

RT: 4.03 min Scan# 255

Delta R.T. -0.01 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

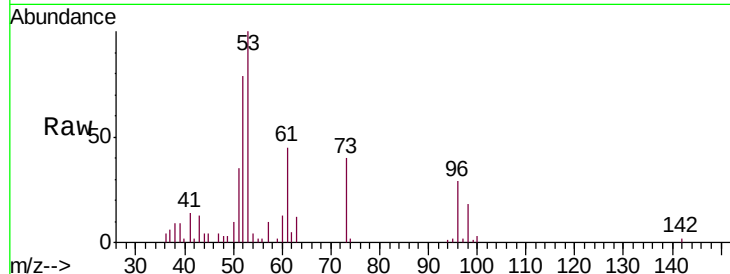
Tgt Ion: 53 Resp: 279890

Ion Ratio Lower Upper

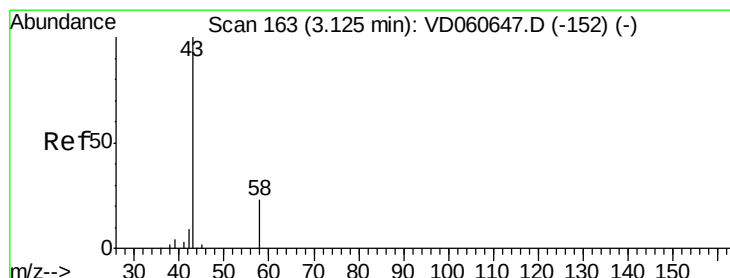
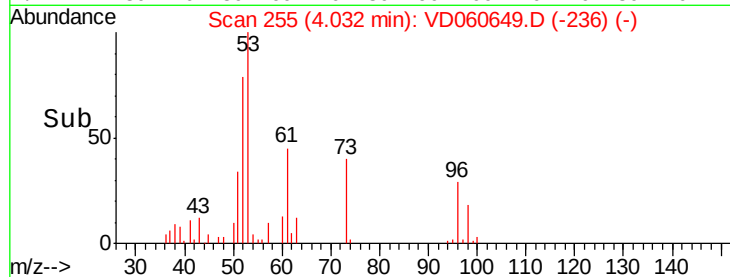
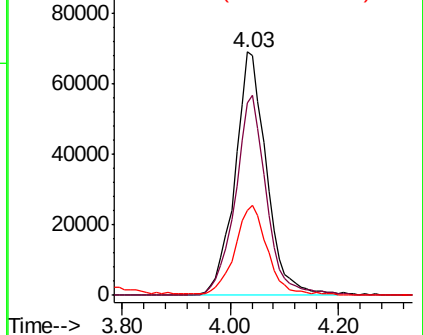
53 100

52 79.1 68.2 102.4

51 35.0 27.3 40.9



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: 462.593 ug/l

RT: 3.12 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD060649.D

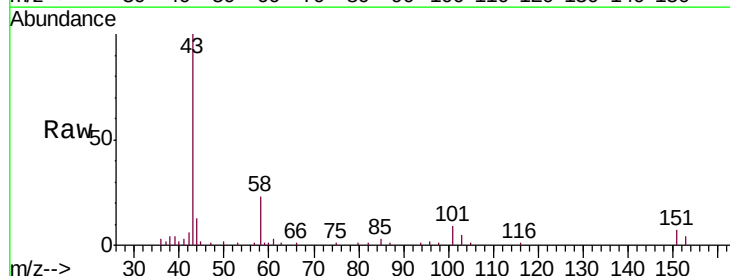
Acq: 19 Dec 2018 20:28

Tgt Ion: 43 Resp: 254611

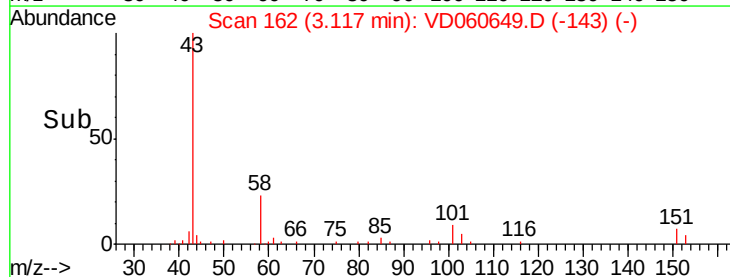
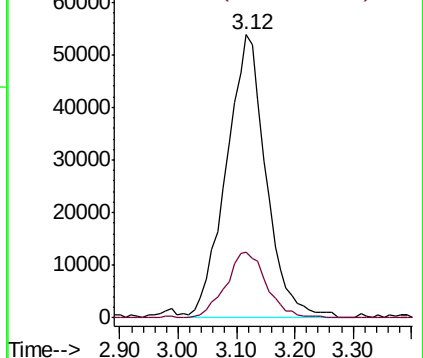
Ion Ratio Lower Upper

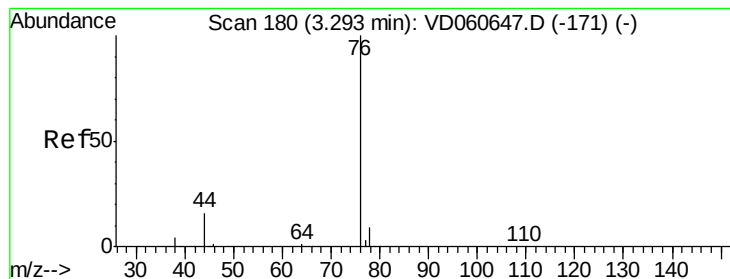
43 100

58 23.2 18.4 27.6



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





#17

Carbon Disulfide

Concen: 105.207 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

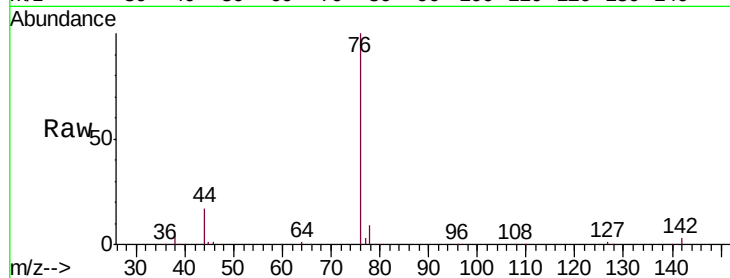
VSTDIC100

Tgt Ion: 76 Resp: 938588

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

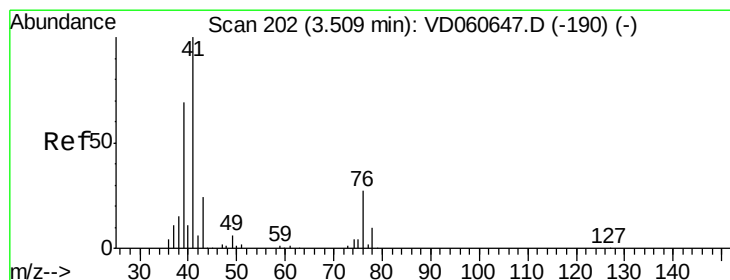
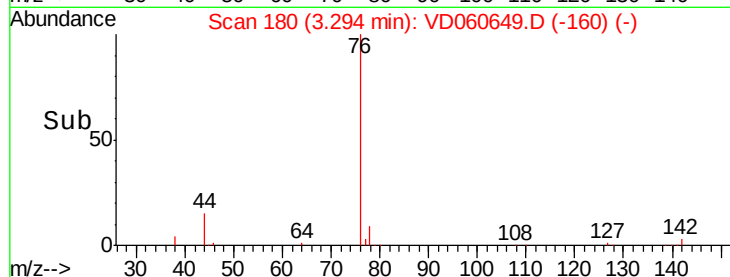
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 100.714 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060649.D

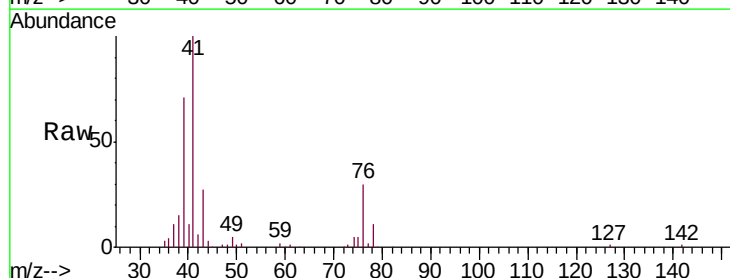
Acq: 19 Dec 2018 20:28

Tgt Ion: 43 Resp: 144215

Ion Ratio Lower Upper

43 100

74 17.9 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

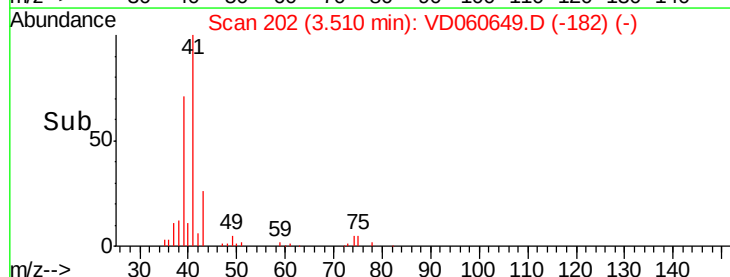
30000

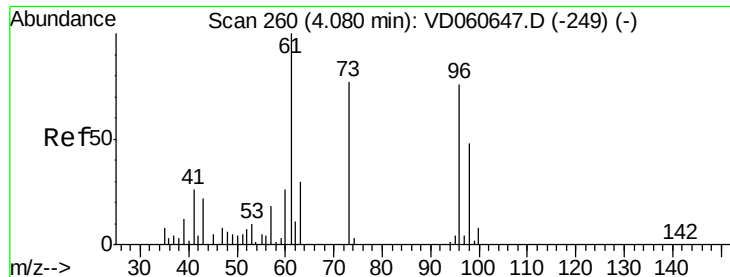
20000

10000

0

Time-->



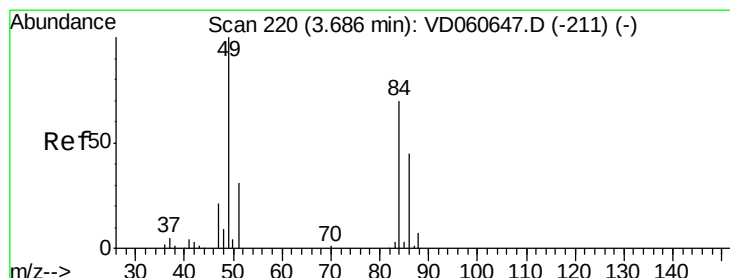
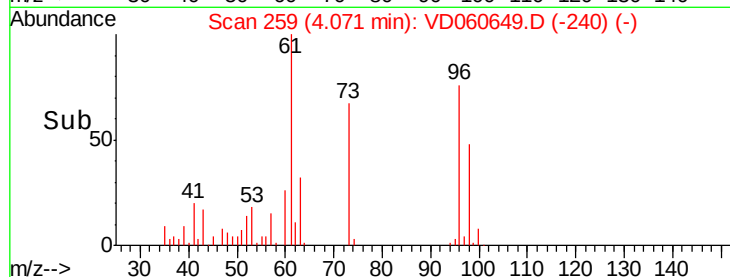
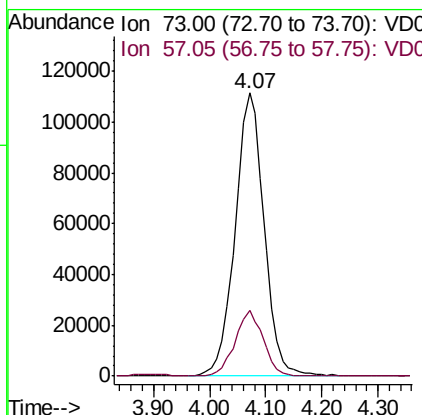
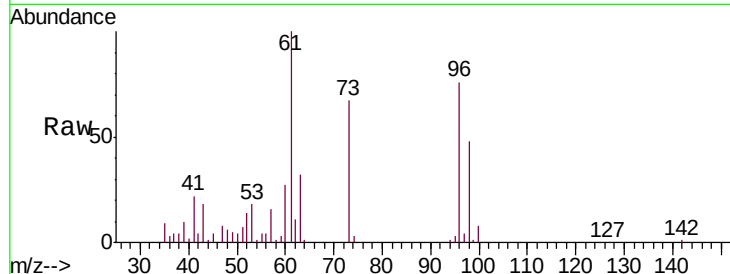


#19

Methyl tert-butyl Ether
 Concen: 100.761 ug/l
 RT: 4.07 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

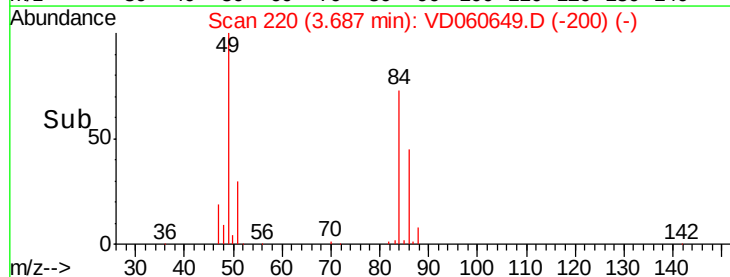
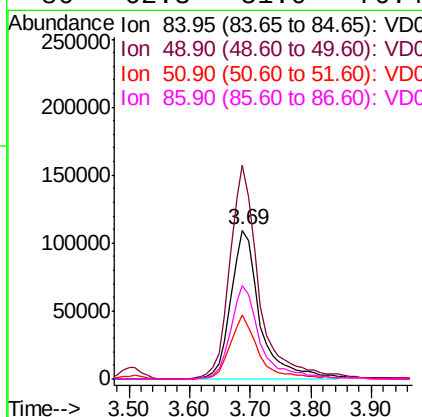
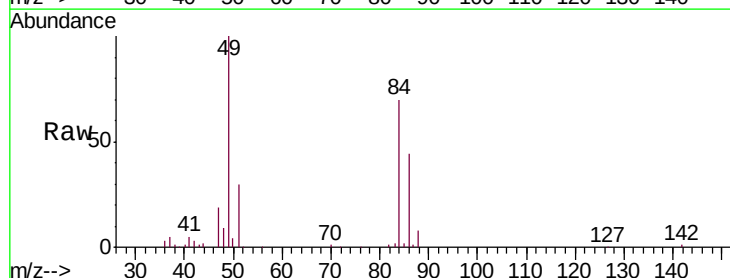
Tgt Ion: 73 Resp: 398755
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.4 27.6

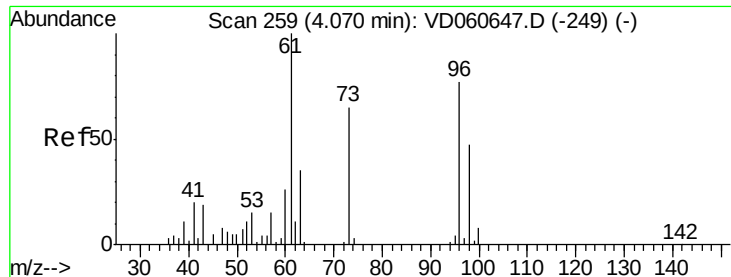


#20

Methylene Chloride
 Concen: 99.511 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion: 84 Resp: 367367
 Ion Ratio Lower Upper
 84 100
 49 143.2 113.9 170.9
 51 42.9 34.8 52.2
 86 62.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 96.769 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

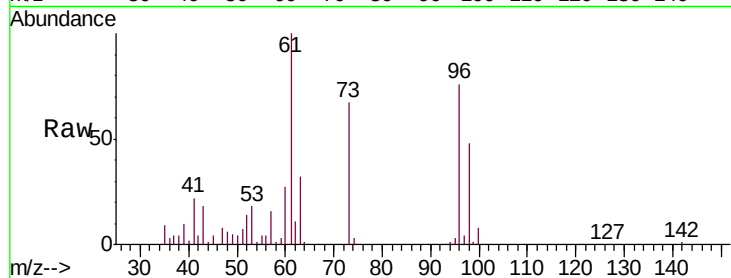
Tgt Ion: 96 Resp: 363648

Ion Ratio Lower Upper

96 100

61 131.0 103.5 155.3

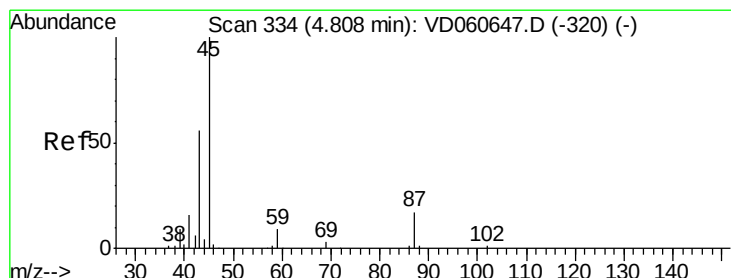
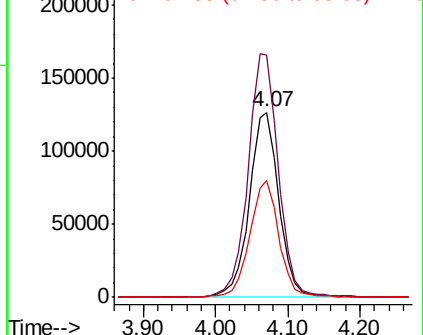
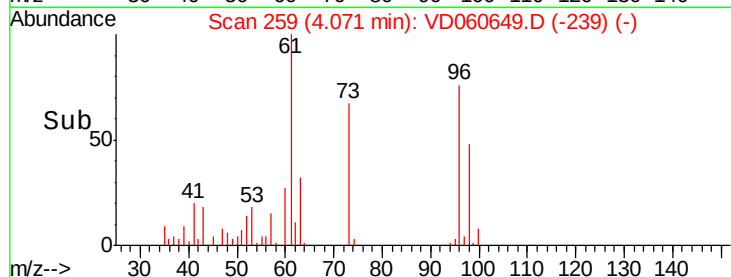
98 63.4 49.0 73.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 101.789 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Tgt Ion: 45 Resp: 1145464

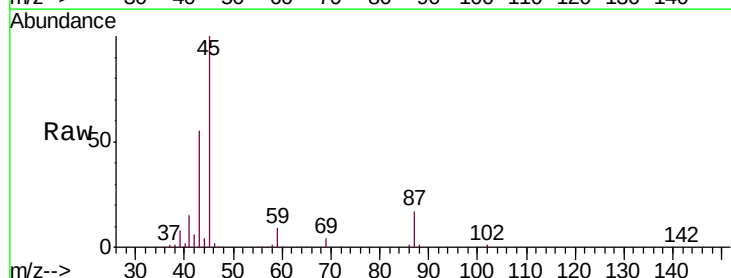
Ion Ratio Lower Upper

45 100

43 54.8 45.2 67.8

87 16.8 13.3 19.9

59 9.1 7.4 11.2

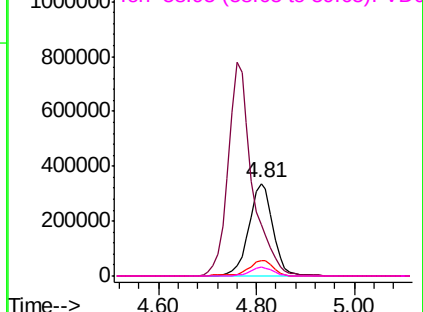
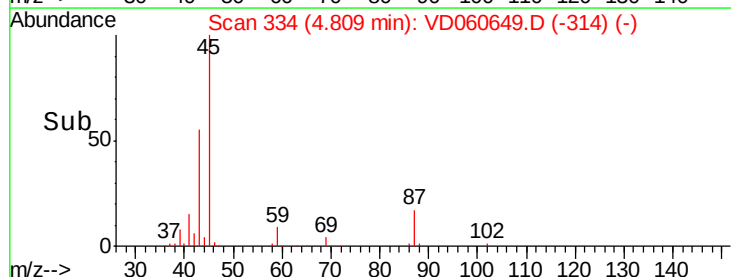


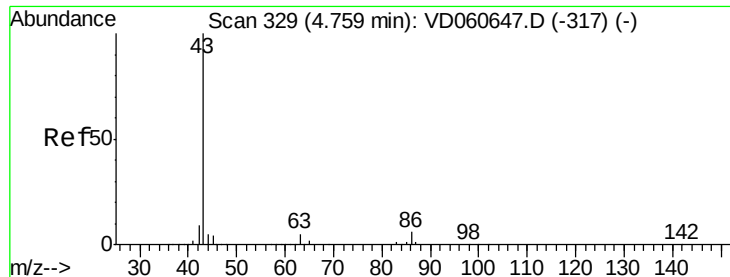
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 517.952 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

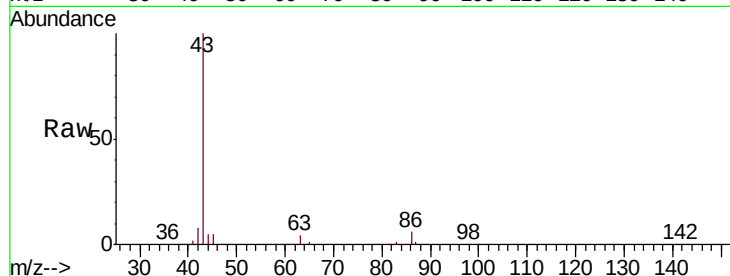
VSTDIC100

Tgt Ion: 43 Resp: 2669964

Ion Ratio Lower Upper

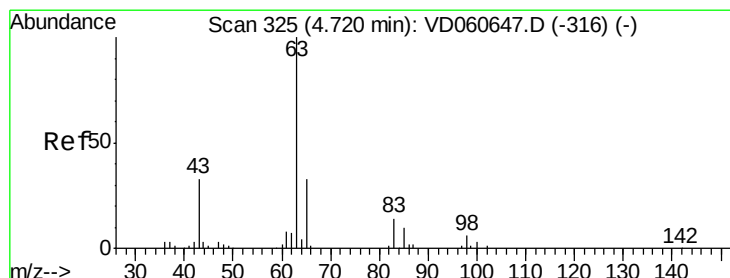
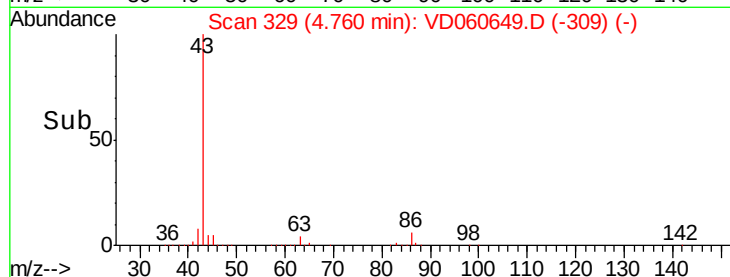
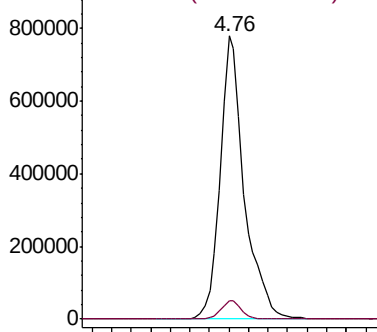
43 100

86 6.3 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 98.570 ug/l

RT: 4.72 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

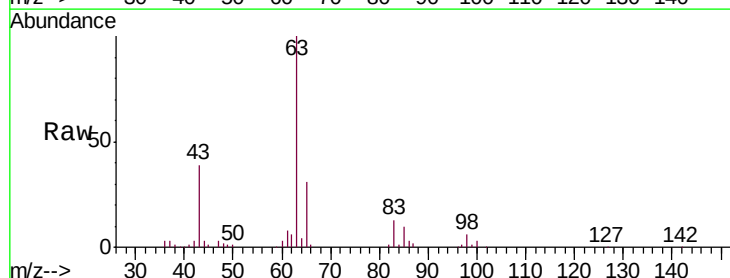
Tgt Ion: 63 Resp: 584244

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.3

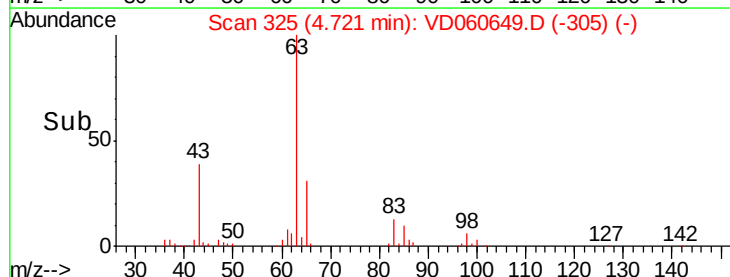
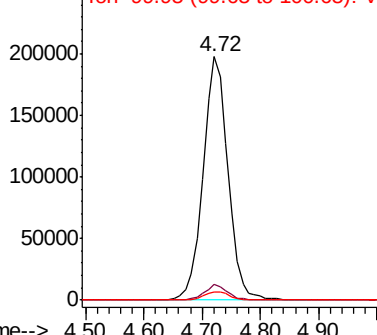
100 3.4 1.7 5.1

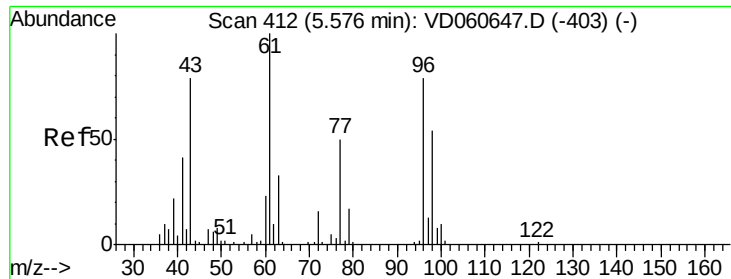


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

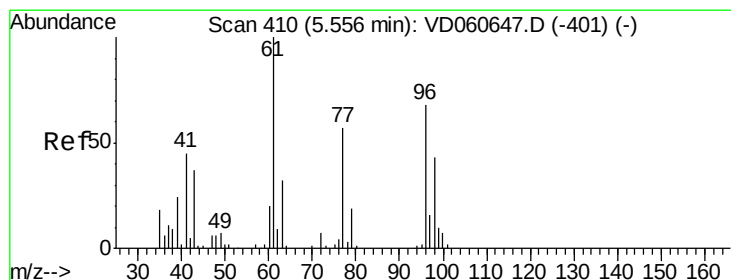
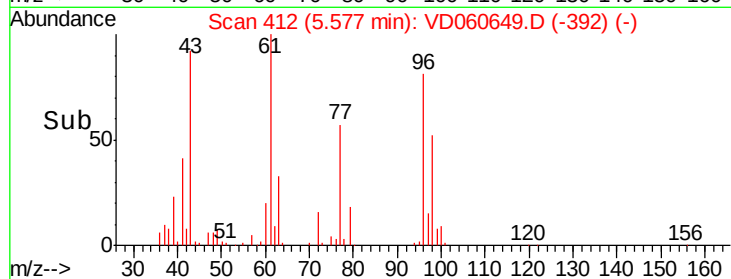
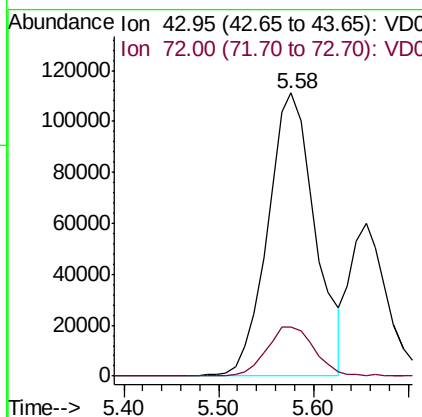
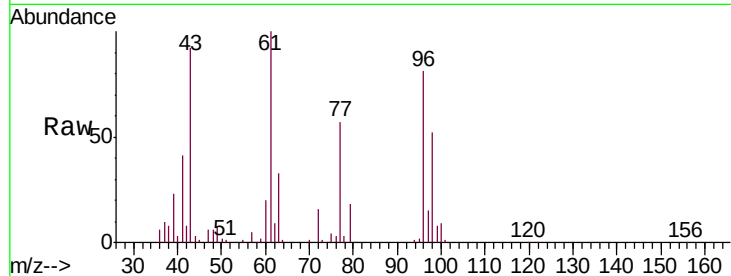




#25
 2-Butanone
 Concen: 511.948 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

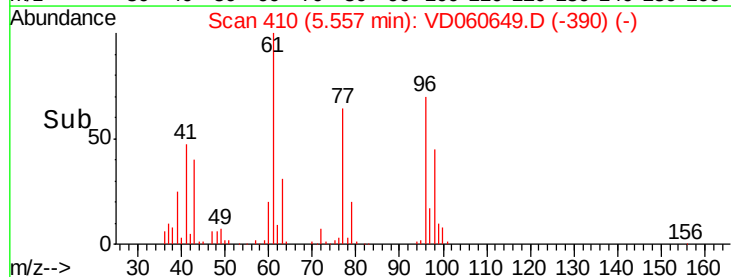
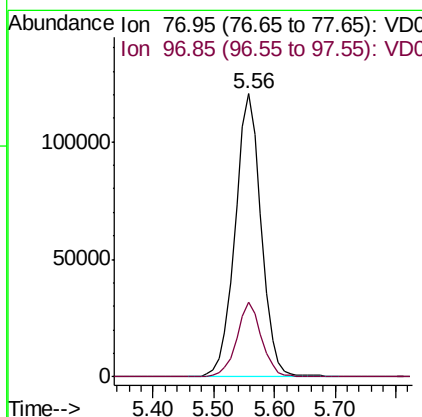
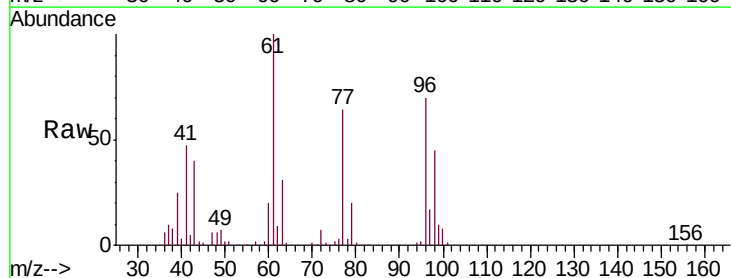
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

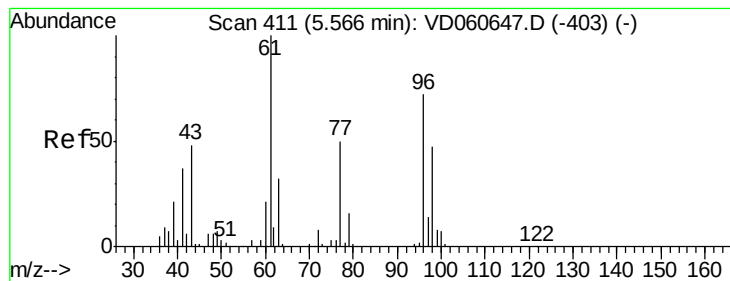
Tgt Ion: 43 Resp: 387535
 Ion Ratio Lower Upper
 43 100
 72 17.4 16.0 24.0



#26
 2,2-Dichloropropane
 Concen: 111.820 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion: 77 Resp: 359831
 Ion Ratio Lower Upper
 77 100
 97 26.2 14.1 42.4



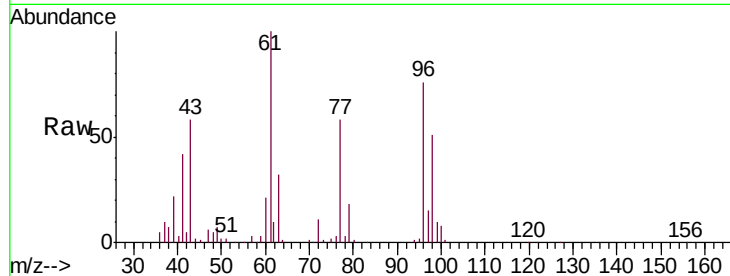


#27

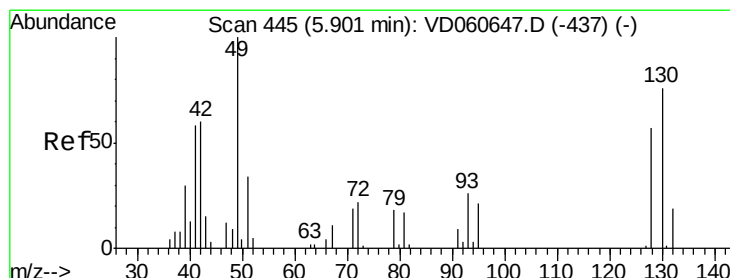
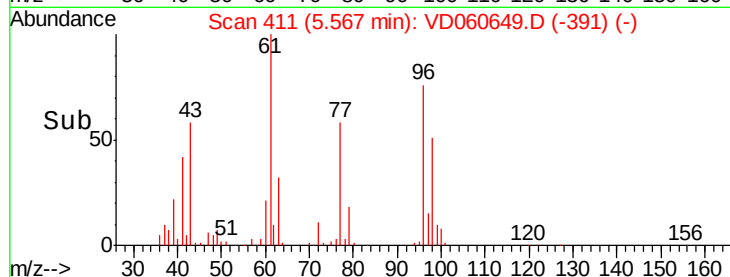
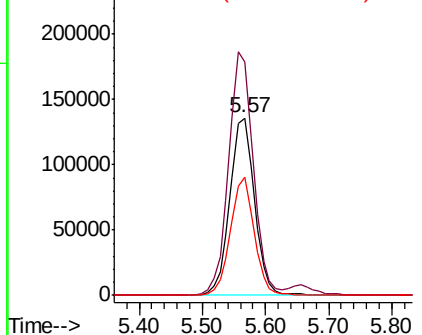
cis-1,2-Dichloroethene
 Concen: 101.434 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Resp	Ratio	Lower	Upper
96	367138	100		
61	131.4		0.0	276.4
98	66.5		0.0	129.4



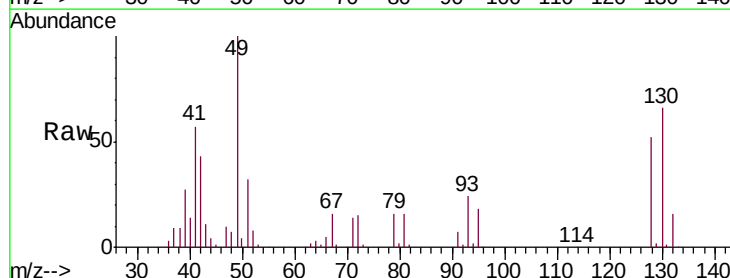
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



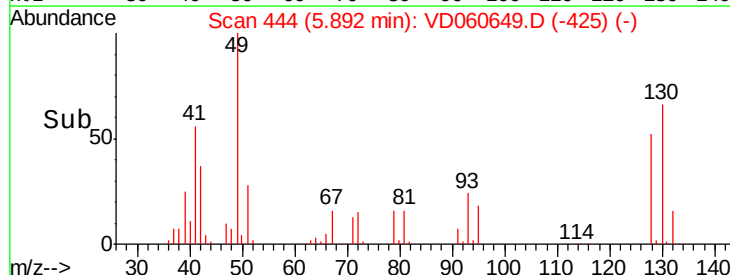
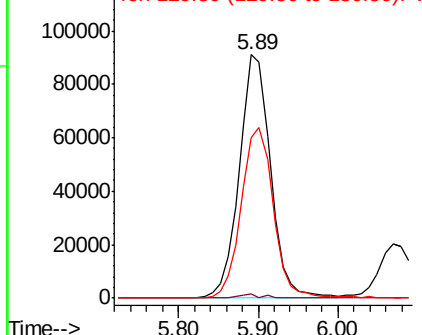
#28

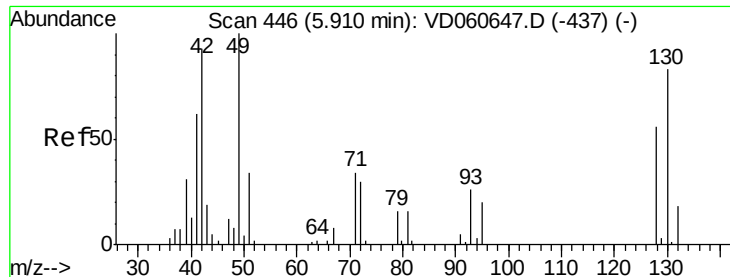
Bromochloromethane
 Concen: 107.614 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion	Resp	Ratio	Lower	Upper
49	246472	100		
129	1.5		0.0	0.0#
130	65.9		60.4	90.6



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





#29

Tetrahydrofuran

Concen: 511.953 ug/l

RT: 5.91 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

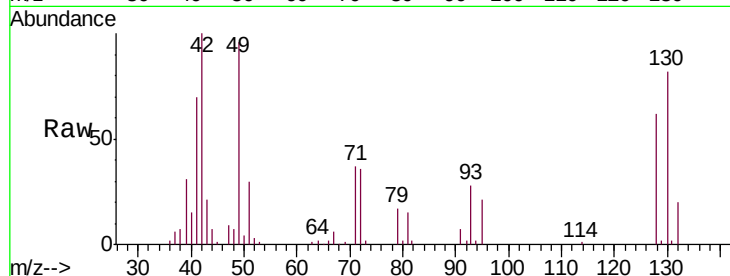
Tgt Ion: 42 Resp: 210127

Ion Ratio Lower Upper

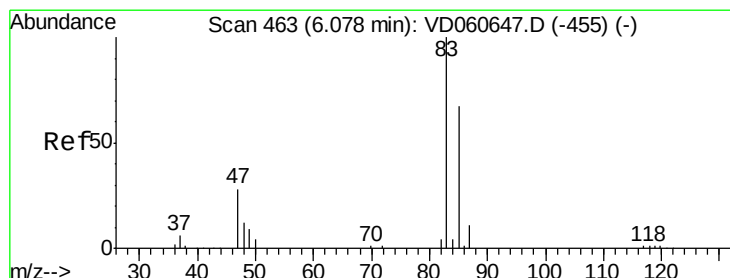
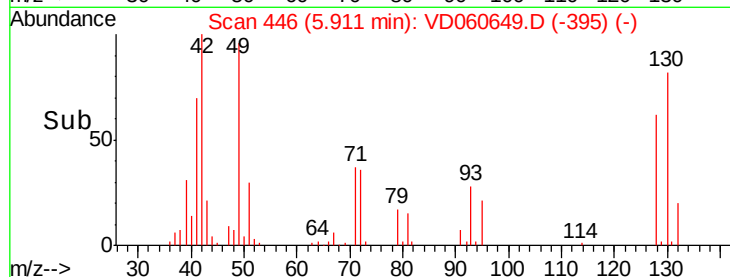
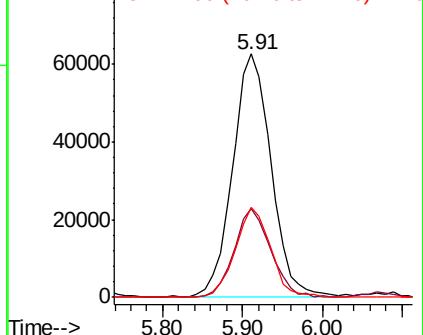
42 100

72 34.4 26.5 39.7

71 33.6 27.4 41.0



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: 99.892 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD060649.D

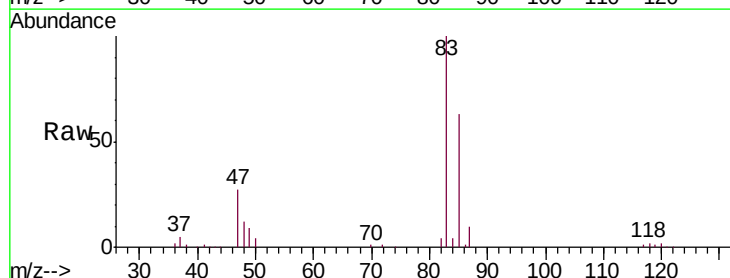
Acq: 19 Dec 2018 20:28

Tgt Ion: 83 Resp: 597454

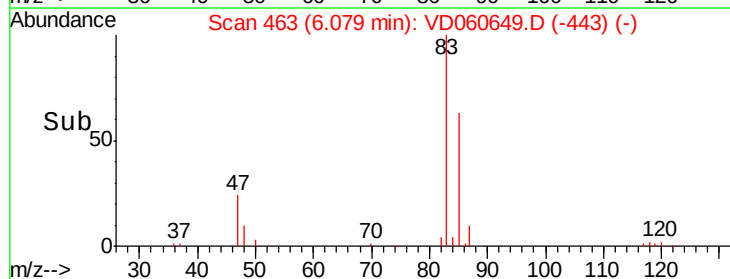
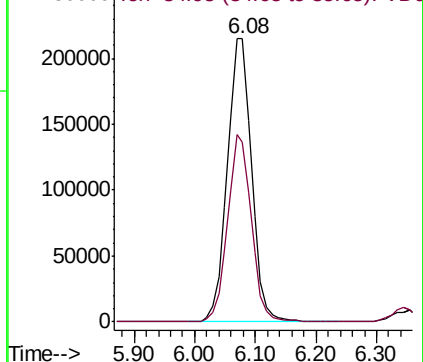
Ion Ratio Lower Upper

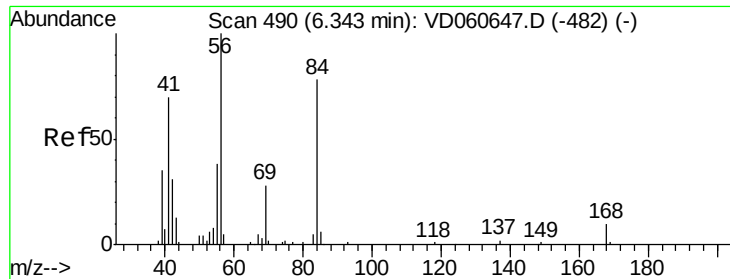
83 100

85 63.3 53.4 80.2



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

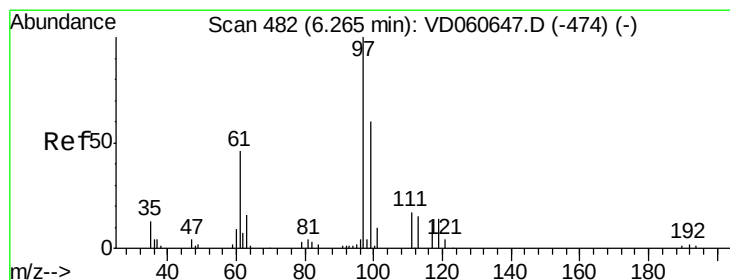
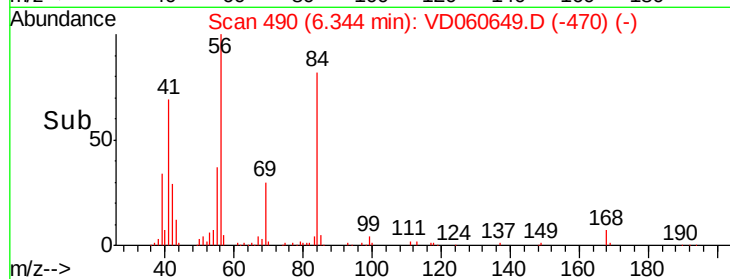
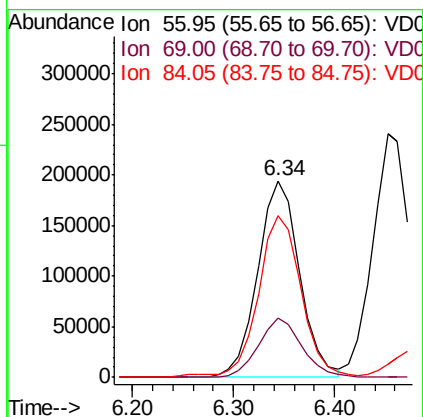
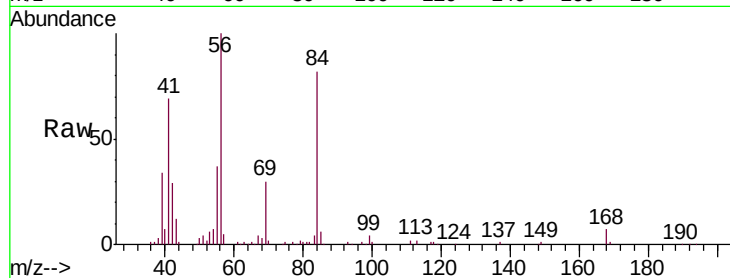




#31
Cyclohexane
Concen: 103.620 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

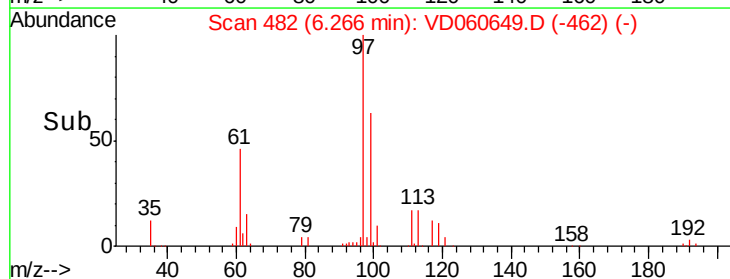
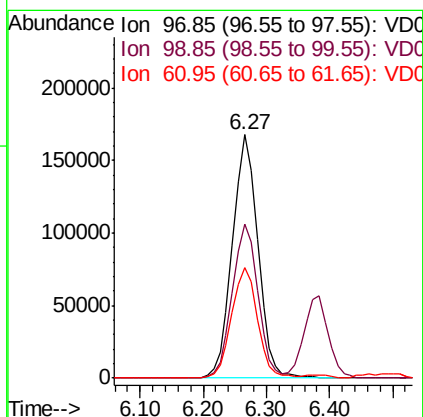
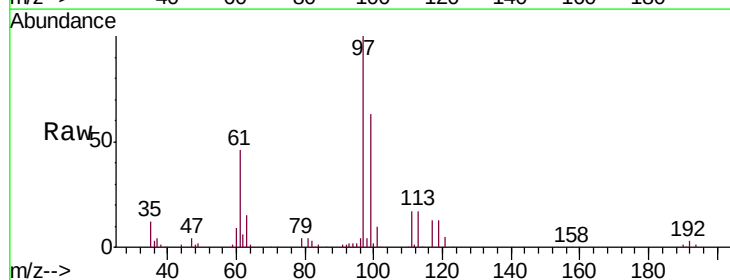
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

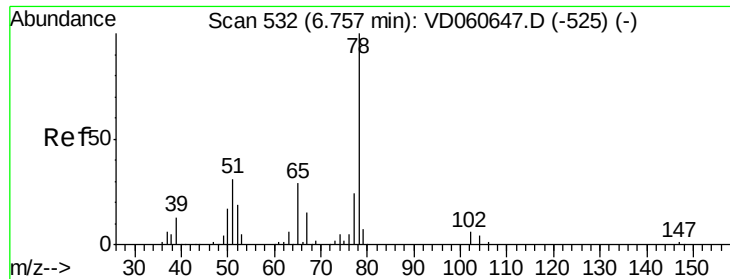
Tgt Ion: 56 Resp: 558376
Ion Ratio Lower Upper
56 100
69 30.0 22.2 33.2
84 82.1 62.4 93.6



#32
1,1,1-Trichloroethane
Concen: 101.409 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 97 Resp: 469366
Ion Ratio Lower Upper
97 100
99 63.3 48.3 72.5
61 45.5 37.0 55.4

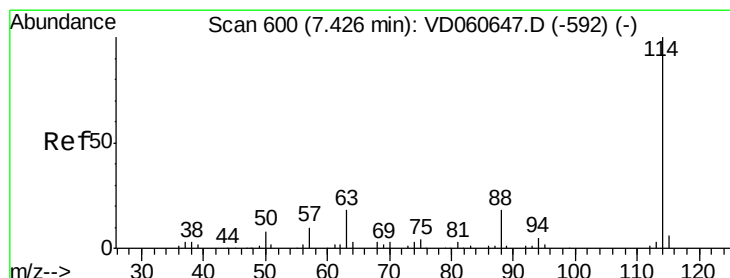
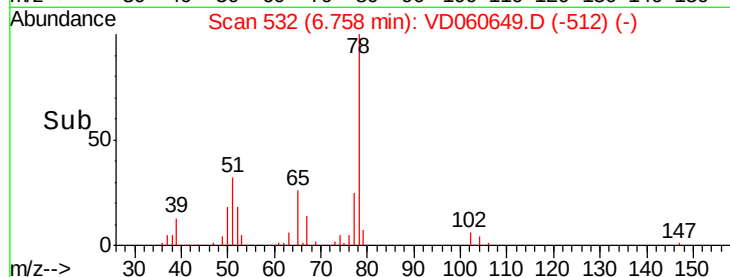
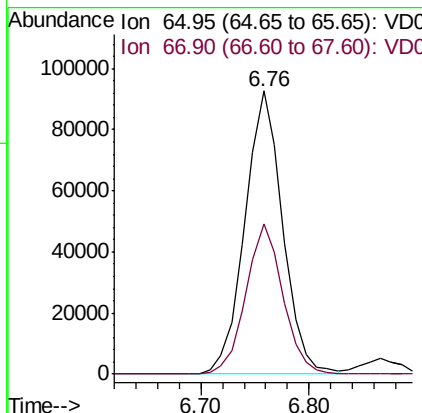
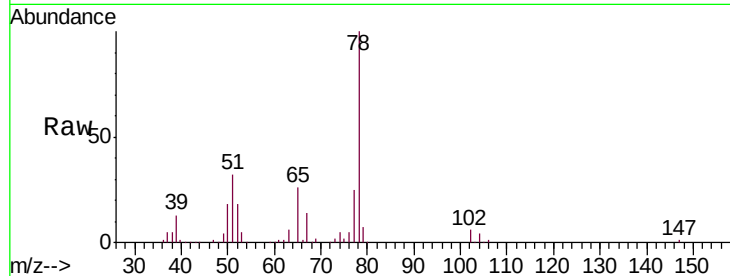




#33
 1,2-Dichloroethane-d4
 Concen: 101.409 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

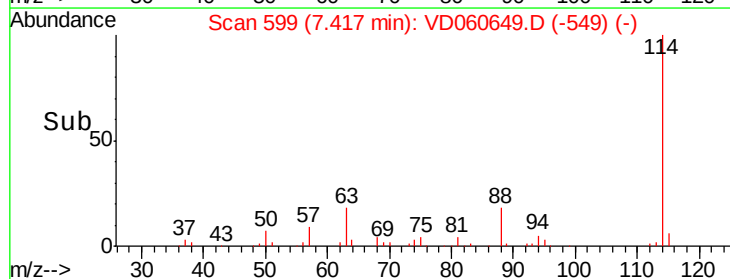
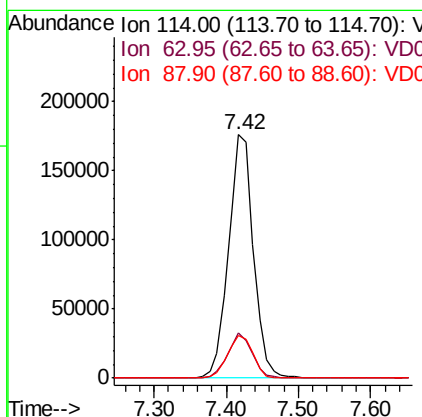
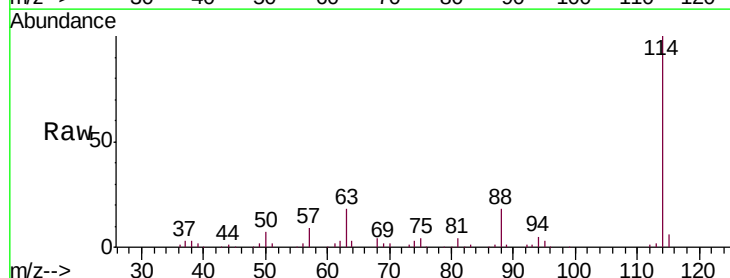
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

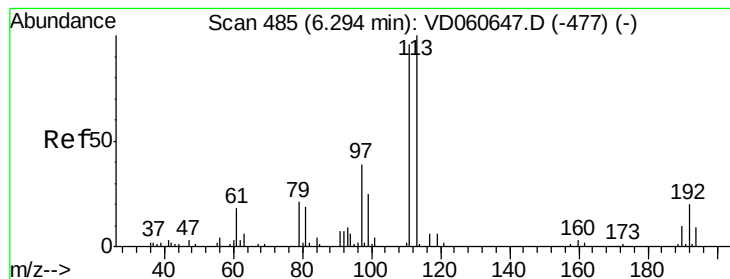
Tgt Ion: 65 Resp: 224590
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion: 114 Resp: 422546
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 17.7 0.0 36.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

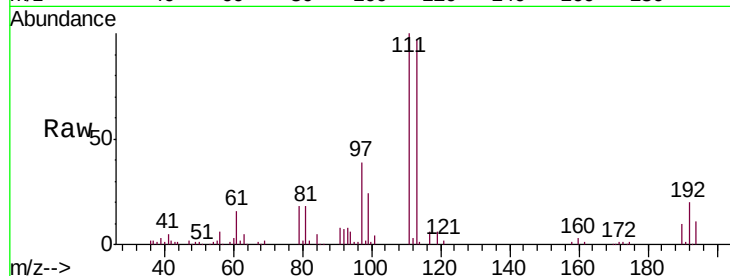
Tgt Ion: 113 Resp: 315386

Ion Ratio Lower Upper

113 100

111 103.3 77.0 115.6

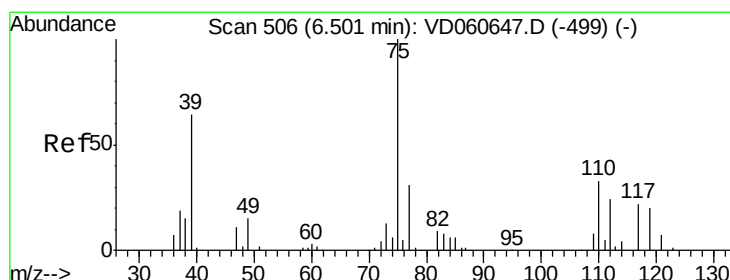
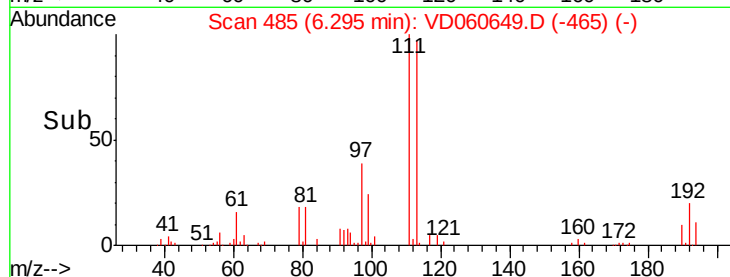
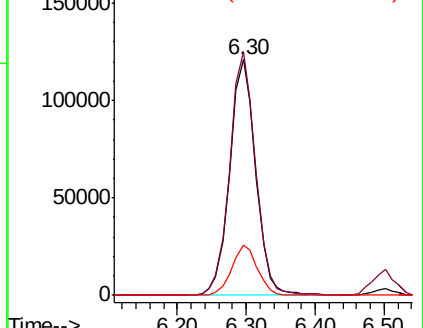
192 21.1 15.8 23.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 99.648 ug/l

RT: 6.50 min Scan# 506

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

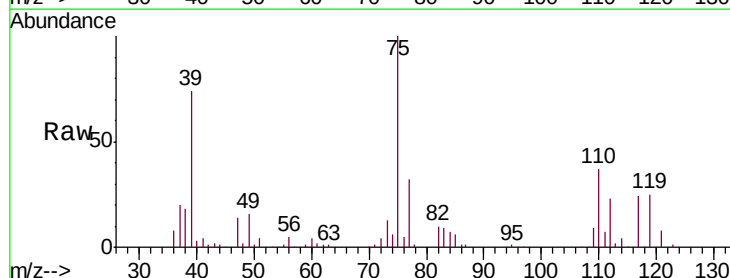
Tgt Ion: 75 Resp: 474953

Ion Ratio Lower Upper

75 100

110 36.8 16.4 49.2

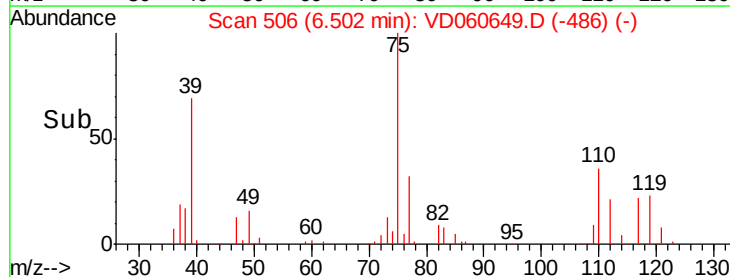
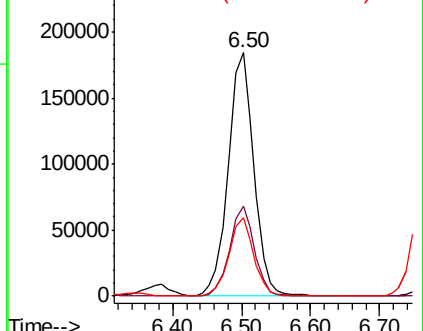
77 32.4 24.7 37.1

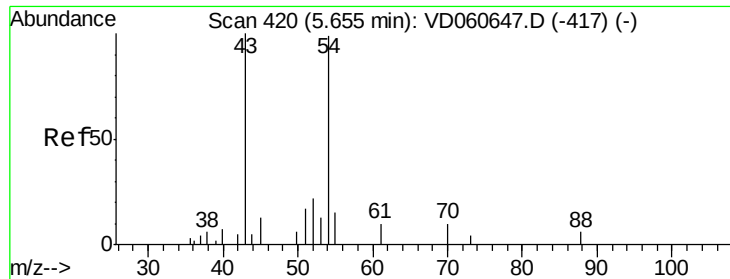


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 100.430 ug/l

RT: 5.66 min Scan# 420

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

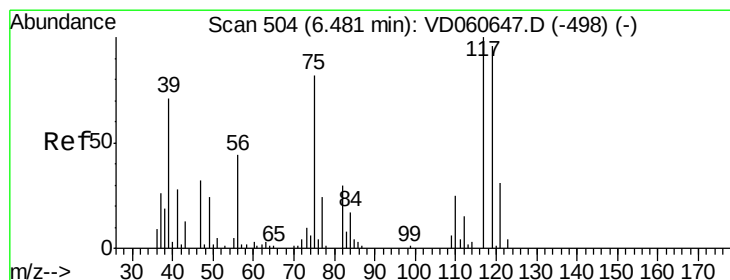
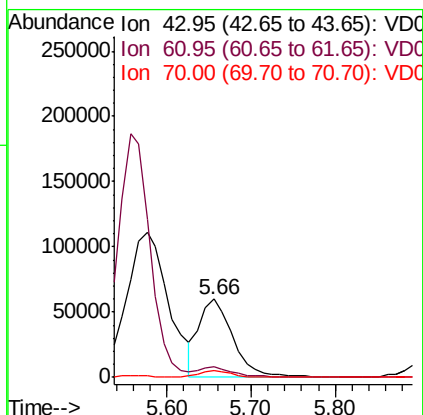
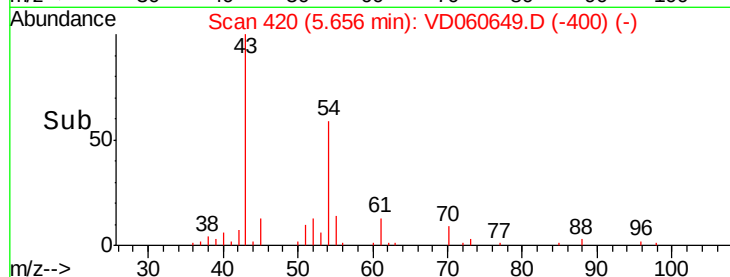
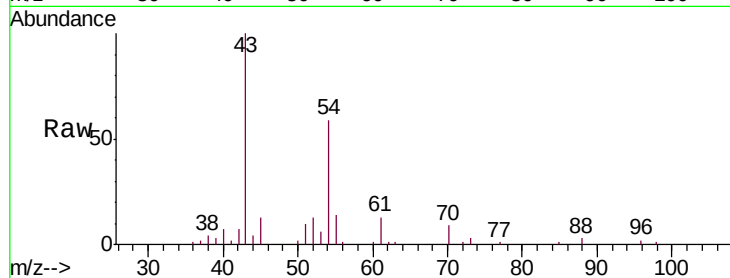
Tgt Ion: 43 Resp: 164605

Ion Ratio Lower Upper

43 100

61 13.1 10.5 15.7

70 8.6 5.4 8.2#



#38

Carbon Tetrachloride

Concen: 104.467 ug/l

RT: 6.47 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

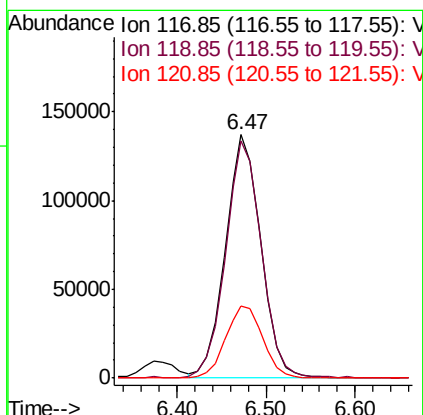
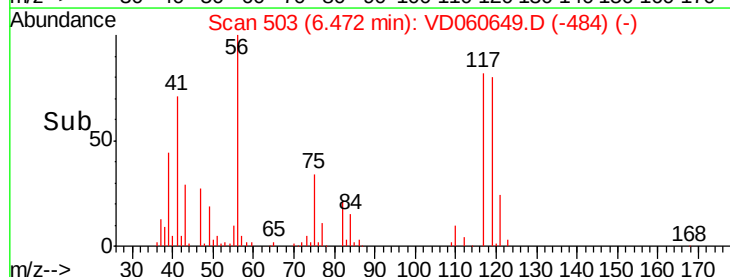
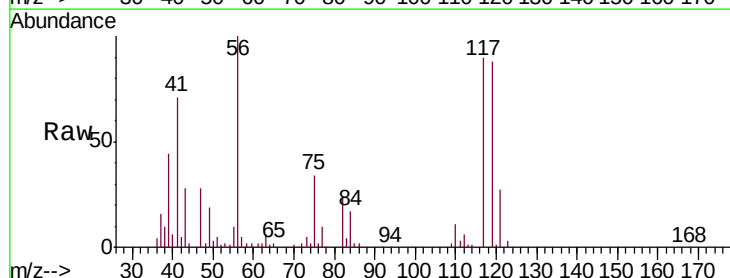
Tgt Ion: 117 Resp: 382187

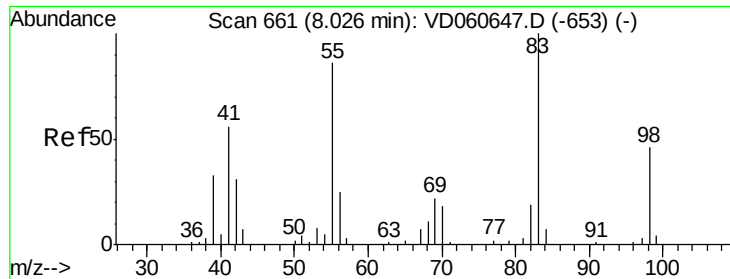
Ion Ratio Lower Upper

117 100

119 97.7 76.6 115.0

121 29.7 23.9 35.9

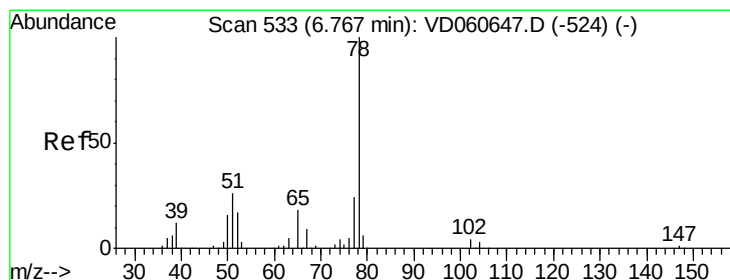
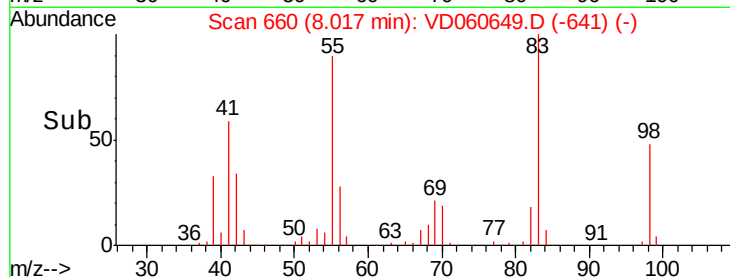
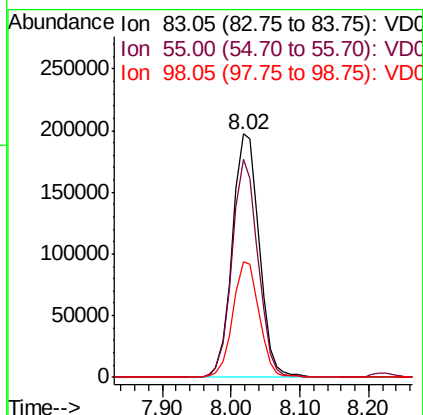
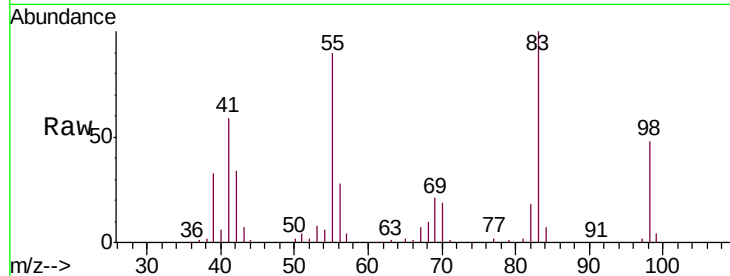




#39
Methylcyclohexane
Concen: 105.816 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.01 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

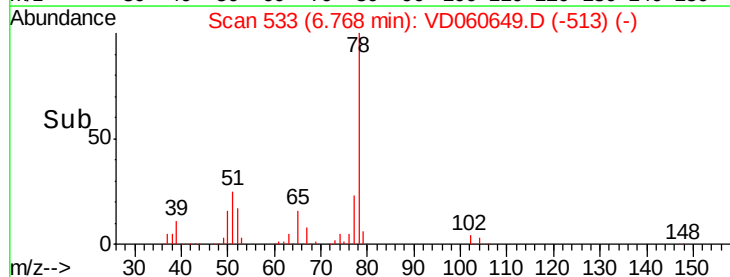
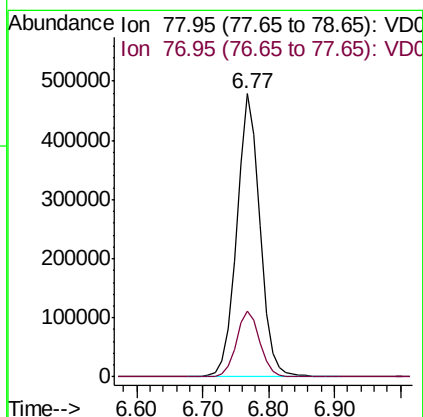
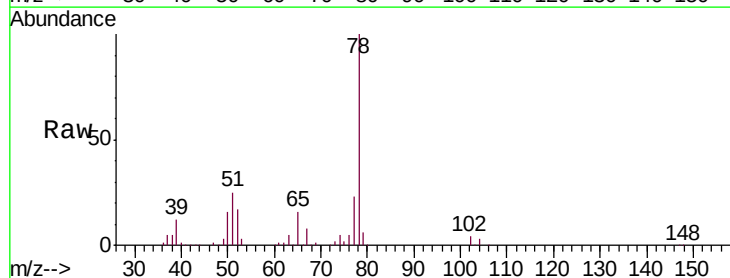
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

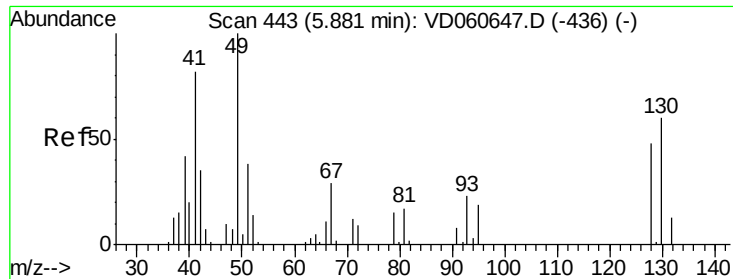
Tgt Ion: 83 Resp: 533038
Ion Ratio Lower Upper
83 100
55 89.7 69.0 103.6
98 47.6 37.0 55.4



#40
Benzene
Concen: 99.574 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 78 Resp: 1181796
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

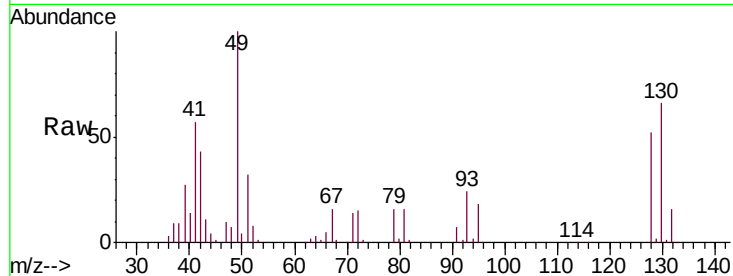




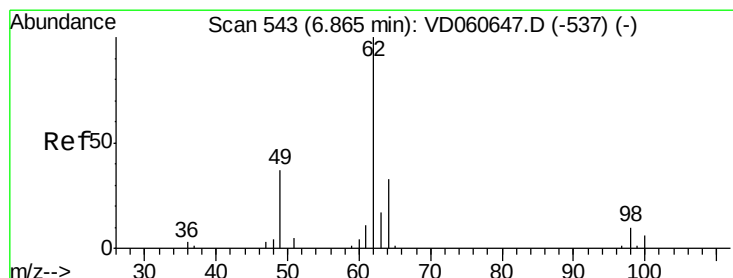
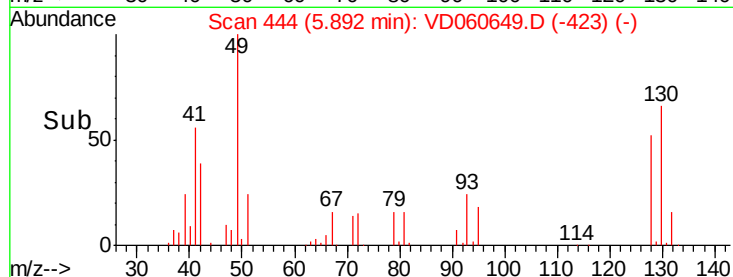
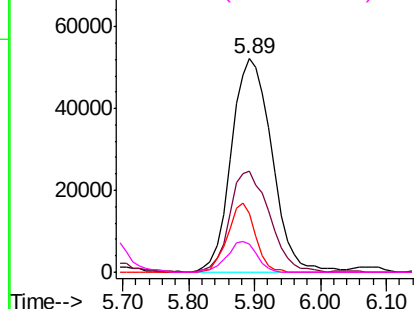
#41
Methacrylonitrile
Concen: 231.041 ug/l
RT: 5.89 min Scan# 444
Delta R.T. 0.01 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 225400
Ion Ratio Lower Upper
41 100
39 47.5 41.0 61.6
67 27.6 28.2 42.4#
52 13.4 13.4 20.0

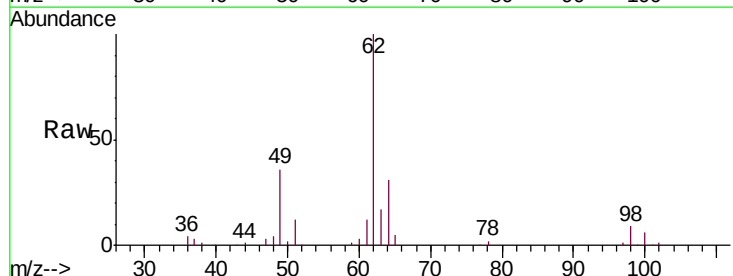


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

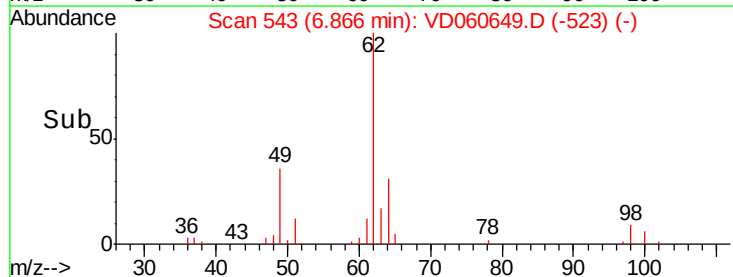
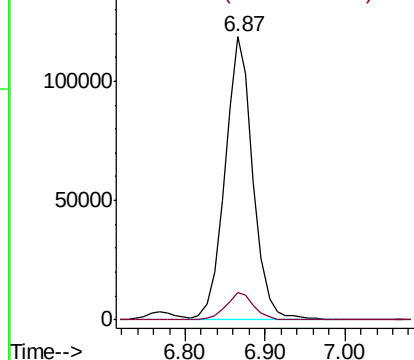


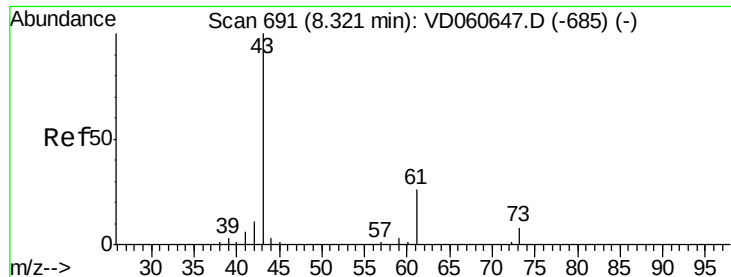
#42
1,2-Dichloroethane
Concen: 98.362 ug/l
RT: 6.87 min Scan# 543
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 62 Resp: 290199
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 106.720 ug/l

RT: 8.32 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

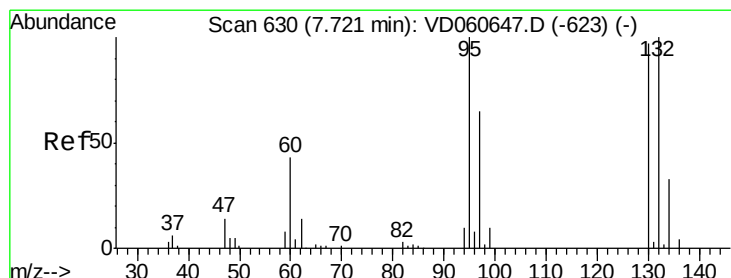
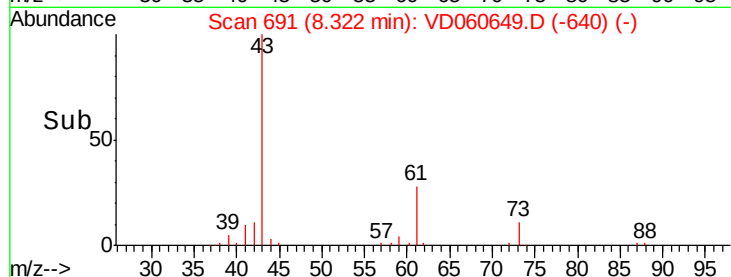
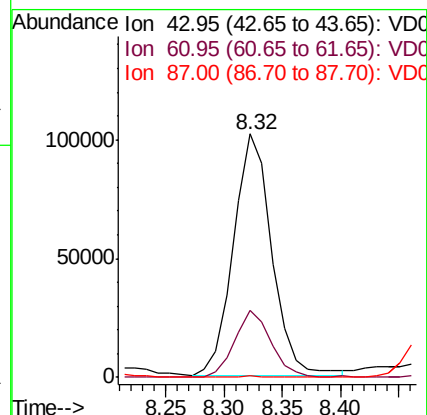
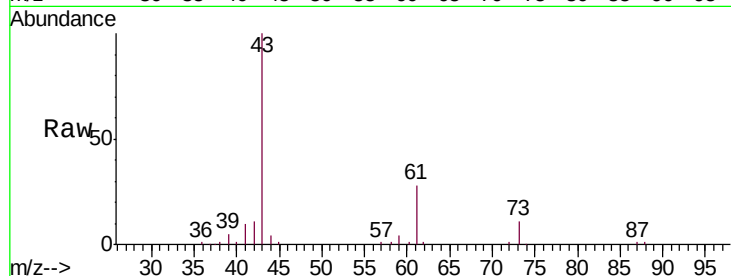
Tgt Ion: 43 Resp: 231107

Ion Ratio Lower Upper

43 100

61 27.6 20.4 30.6

87 0.5 0.0 0.0#



#44

Trichloroethene

Concen: 100.467 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD060649.D

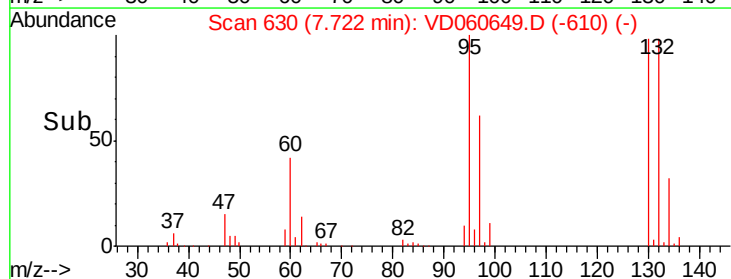
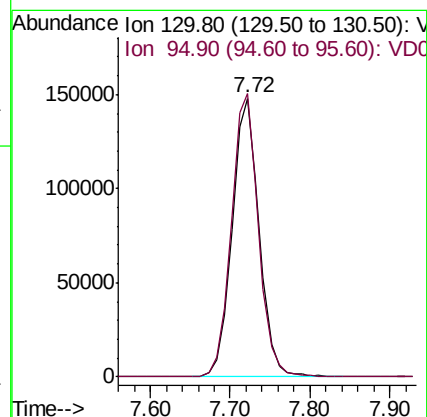
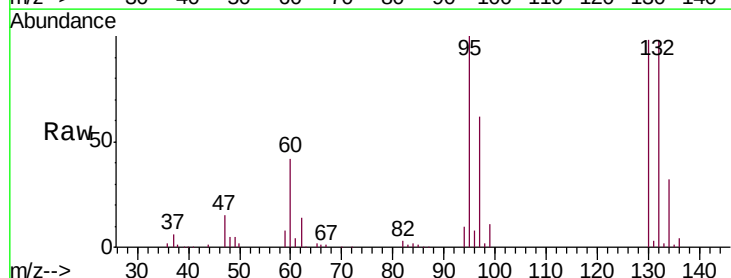
Acq: 19 Dec 2018 20:28

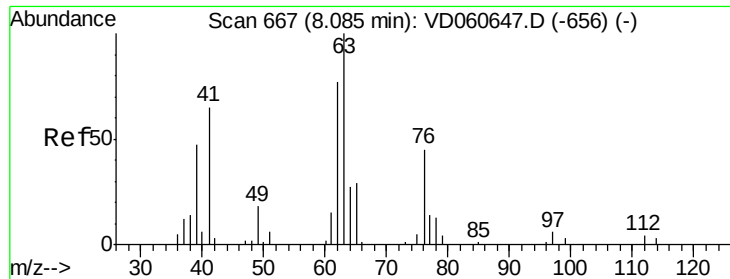
Tgt Ion:130 Resp: 349539

Ion Ratio Lower Upper

130 100

95 101.6 0.0 206.2

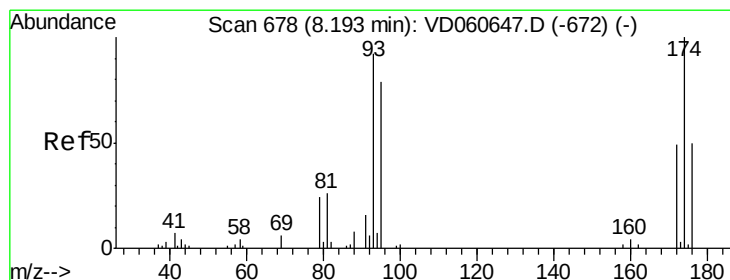
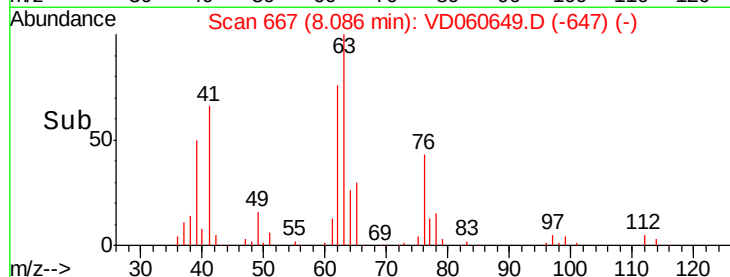
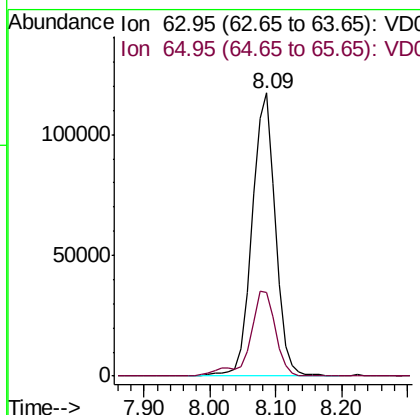
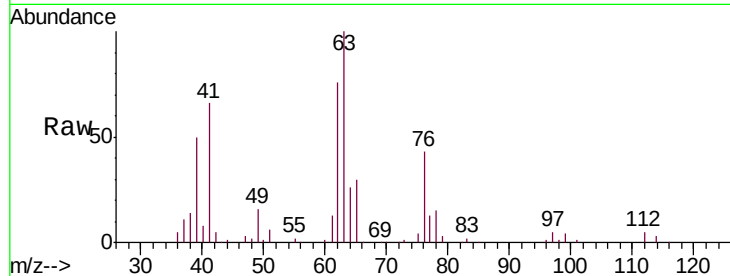




#45
 1,2-Dichloropropane
 Concen: 102.036 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

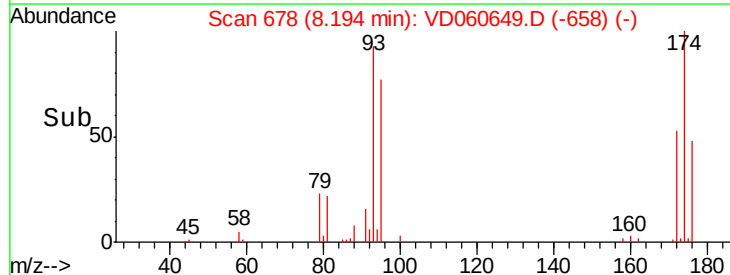
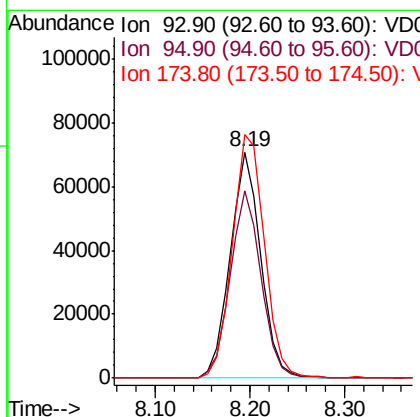
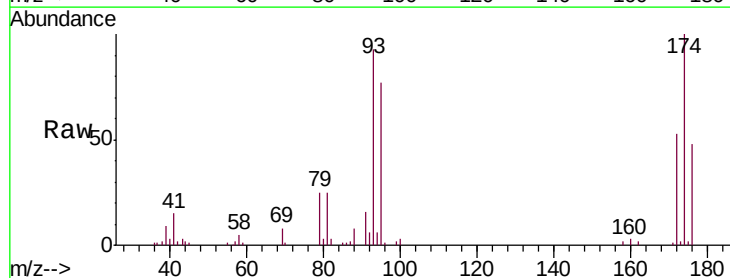
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

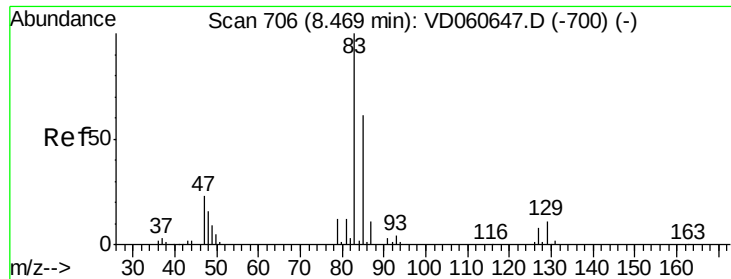
Tgt Ion: 63 Resp: 290832
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.5 35.3



#46
 Dibromomethane
 Concen: 103.879 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion: 93 Resp: 157890
 Ion Ratio Lower Upper
 93 100
 95 83.1 68.4 102.6
 174 107.8 87.1 130.7





#47

Bromodichloromethane

Concen: 103.815 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

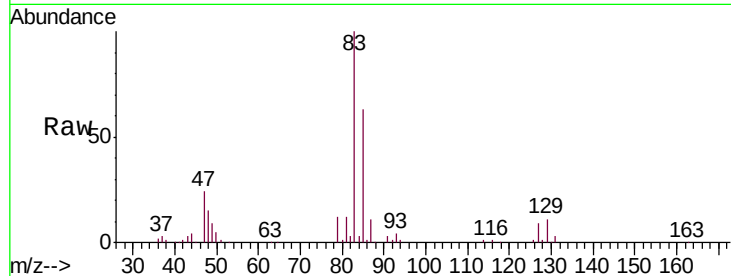
Tgt Ion: 83 Resp: 396208

Ion Ratio Lower Upper

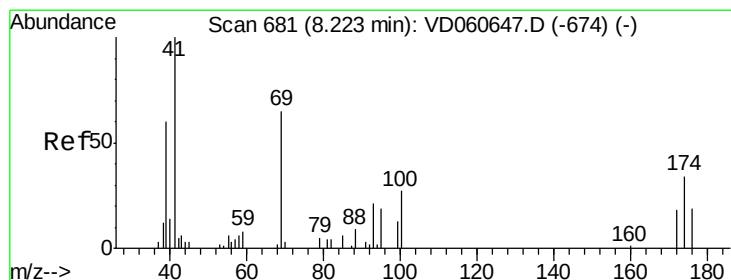
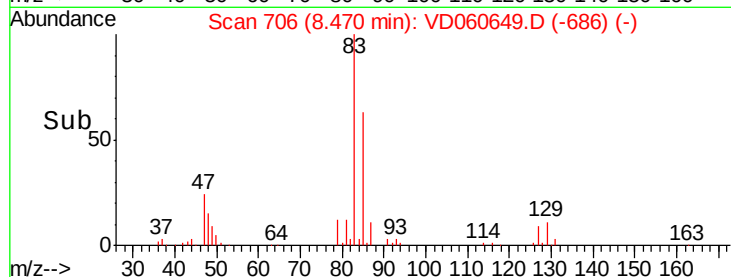
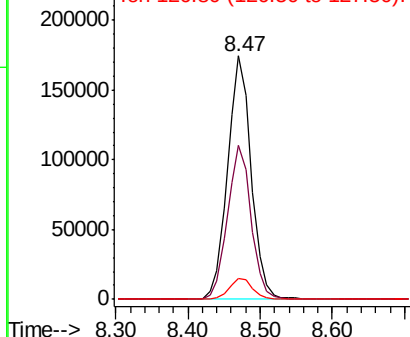
83 100

85 63.4 48.9 73.3

127 8.5 6.4 9.6



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: 117.491 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

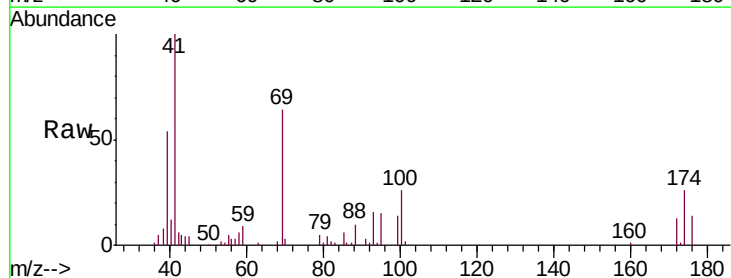
Tgt Ion: 41 Resp: 152663

Ion Ratio Lower Upper

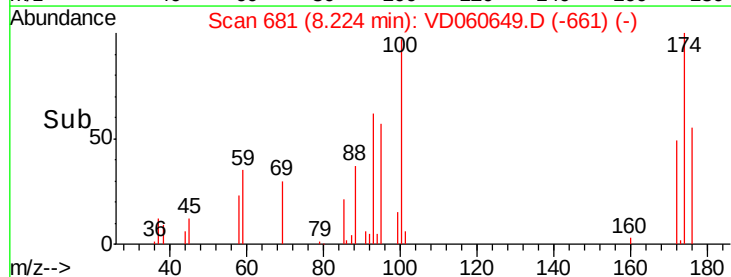
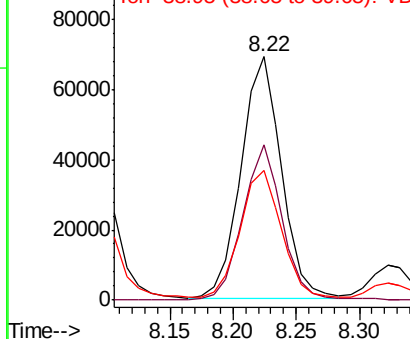
41 100

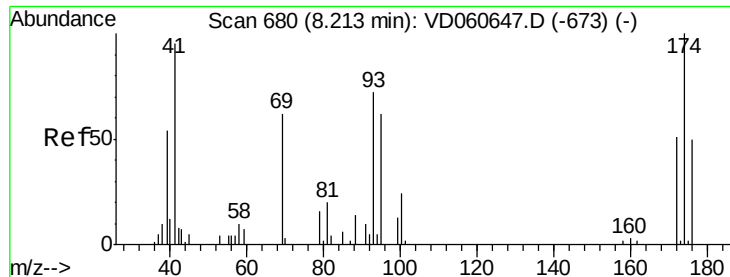
69 63.7 50.6 76.0

39 53.5 48.2 72.4



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: 2681.645 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

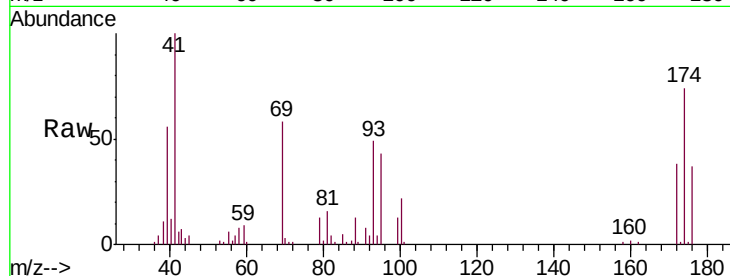
Tgt Ion: 88 Resp: 37579

Ion Ratio Lower Upper

88 100

43 55.7 41.3 61.9

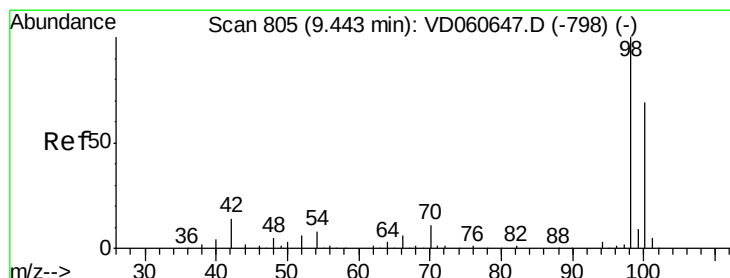
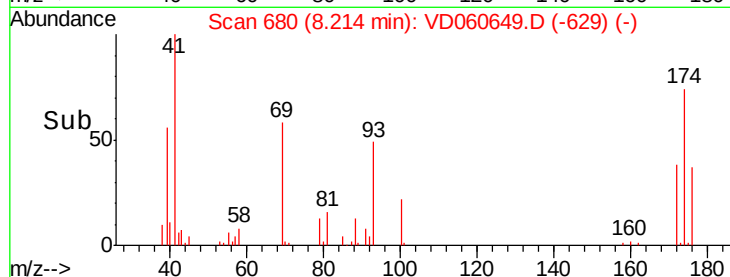
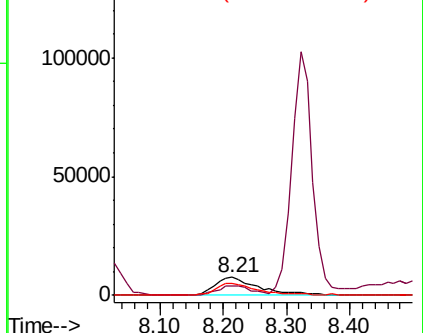
58 64.0 56.6 84.8



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: 2681.645 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.01 min

Lab File: VD060649.D

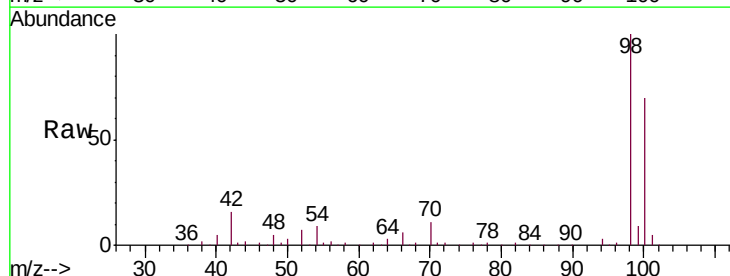
Acq: 19 Dec 2018 20:28

Tgt Ion: 98 Resp: 966943

Ion Ratio Lower Upper

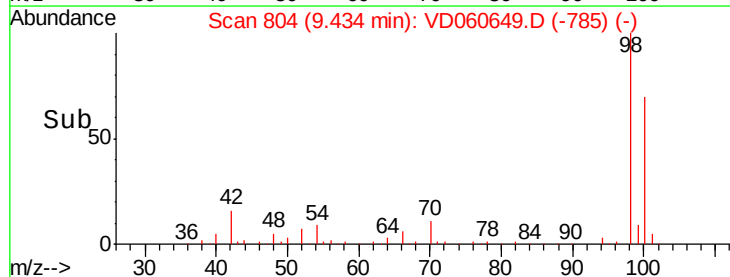
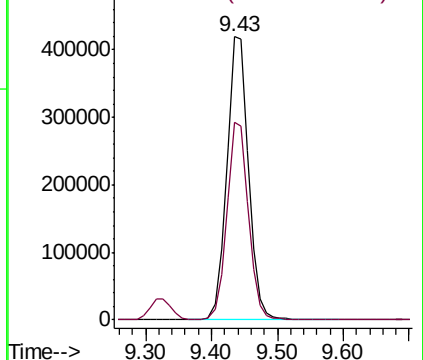
98 100

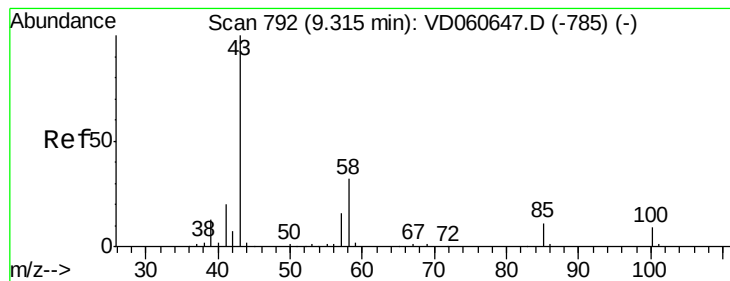
100 70.0 55.1 82.7



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: 521.664 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

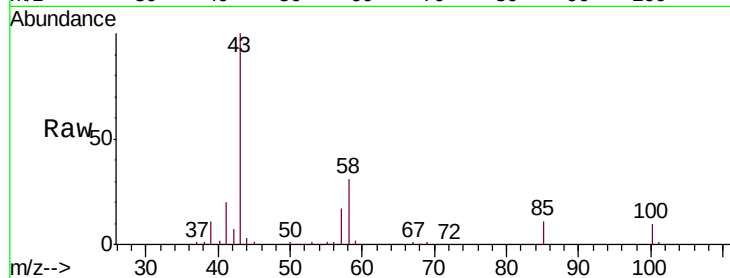
VSTDIC100

Tgt Ion: 43 Resp: 755968

Ion Ratio Lower Upper

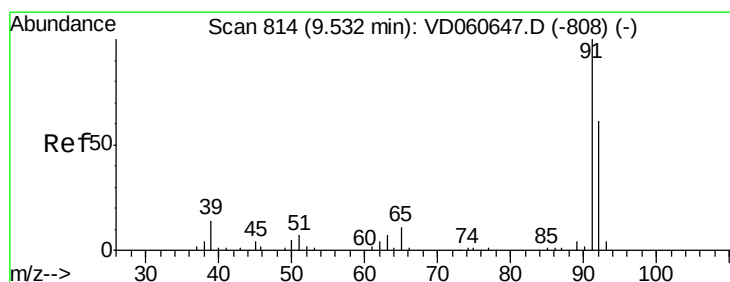
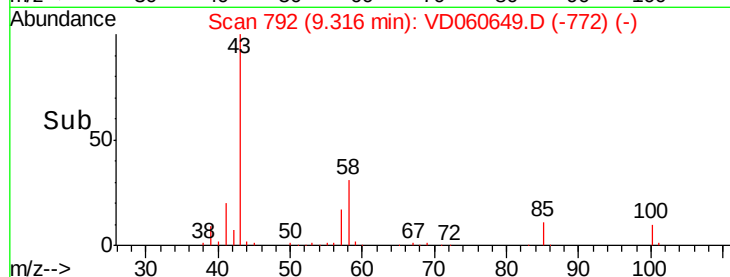
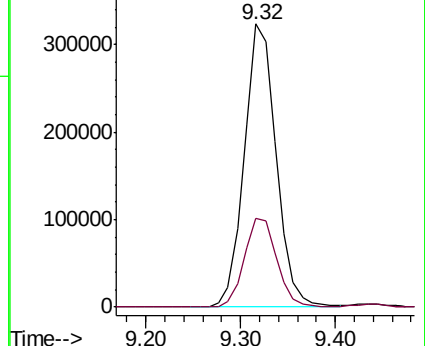
43 100

58 31.3 25.5 38.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 102.795 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060649.D

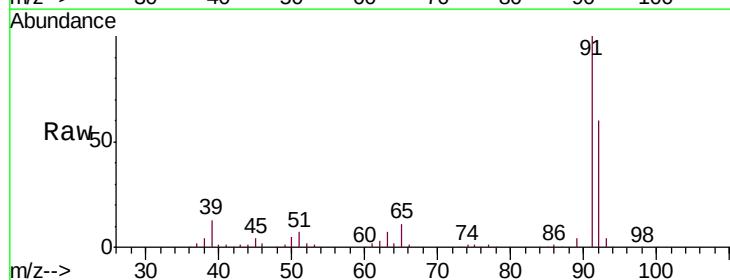
Acq: 19 Dec 2018 20:28

Tgt Ion: 92 Resp: 743818

Ion Ratio Lower Upper

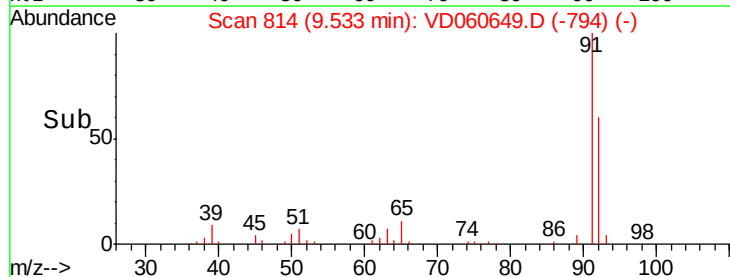
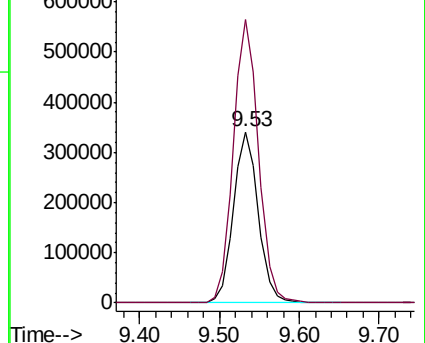
92 100

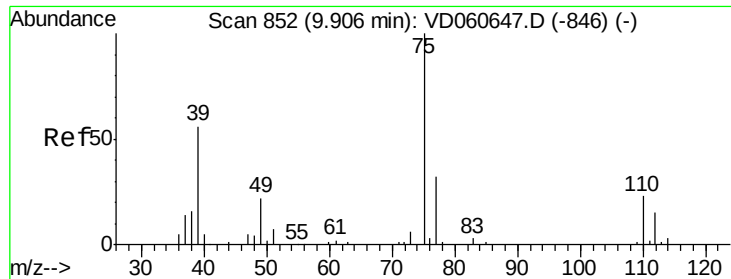
91 165.7 131.9 197.9



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: 107.911 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

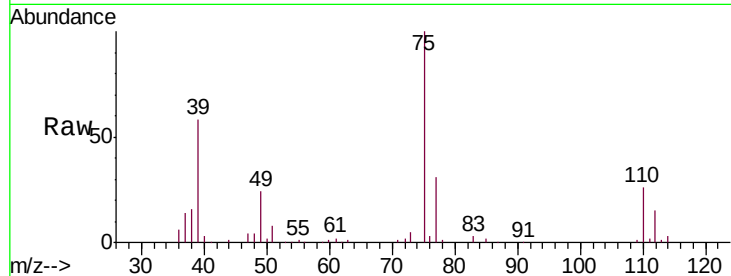
VSTDIC100

Tgt Ion: 75 Resp: 313790

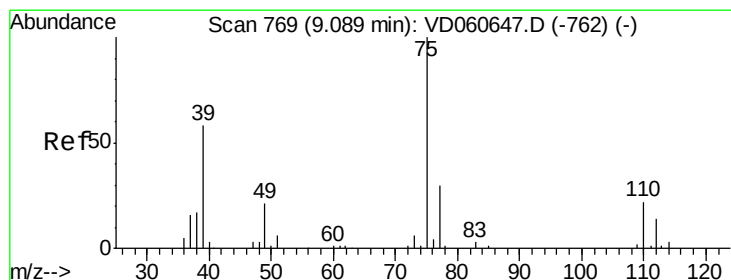
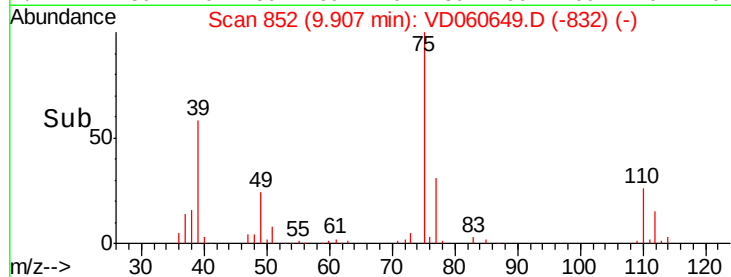
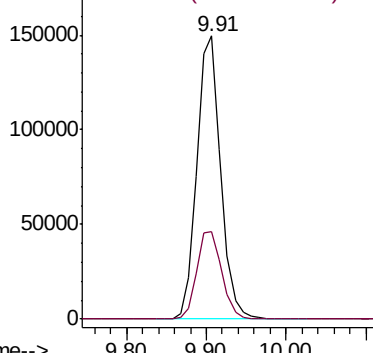
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



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



#54

cis-1,3-Dichloropropene

Concen: 106.444 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

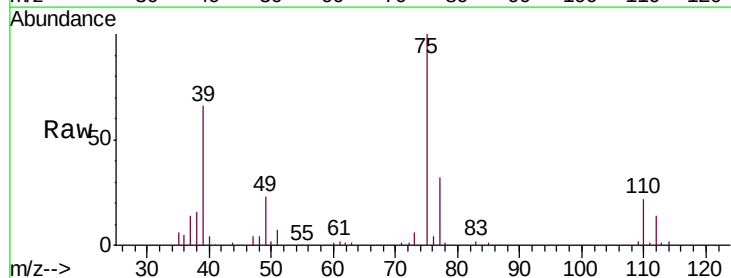
Tgt Ion: 75 Resp: 414477

Ion Ratio Lower Upper

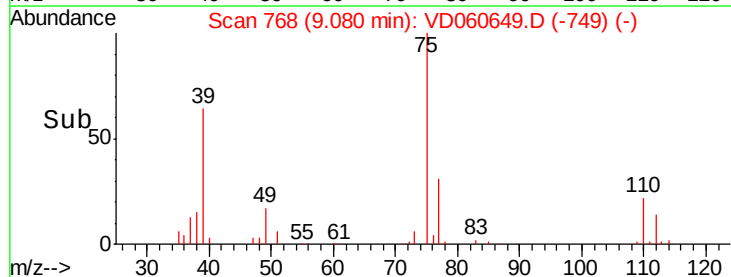
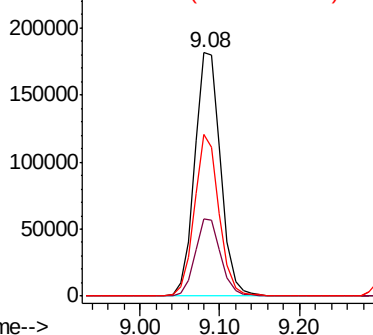
75 100

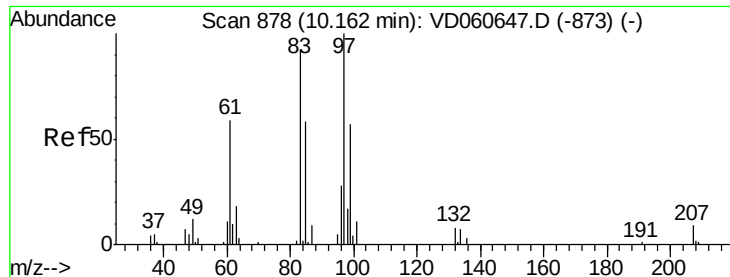
77 31.7 24.2 36.4

39 66.2 46.6 70.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 103.638 ug/l

RT: 10.16 min Scan# 878

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 200110

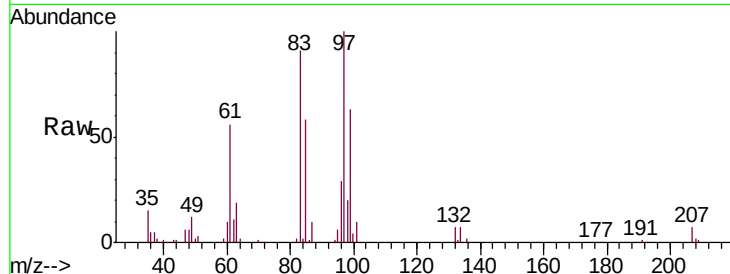
Ion Ratio Lower Upper

97 100

83 91.1 74.0 111.0

85 57.6 46.3 69.5

99 63.0 45.4 68.0

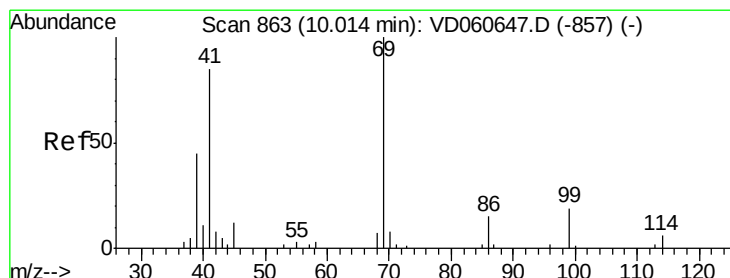
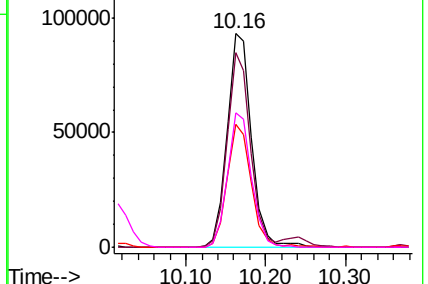
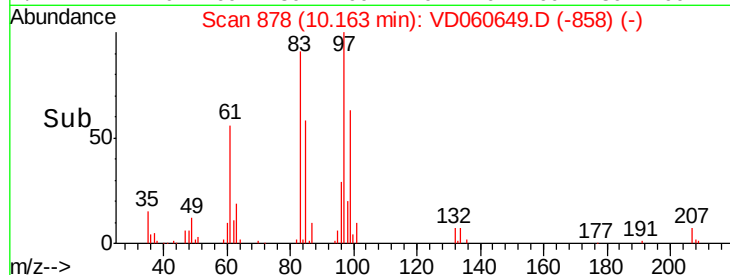


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 105.136 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

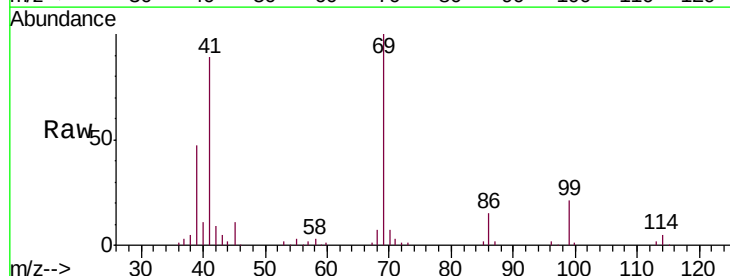
Tgt Ion: 69 Resp: 180611

Ion Ratio Lower Upper

69 100

41 88.9 68.3 102.5

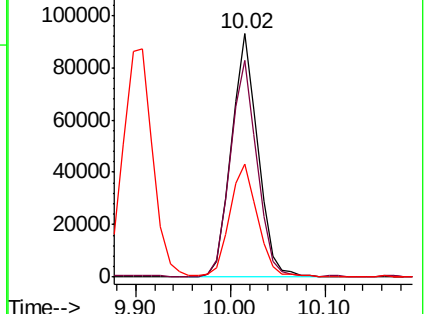
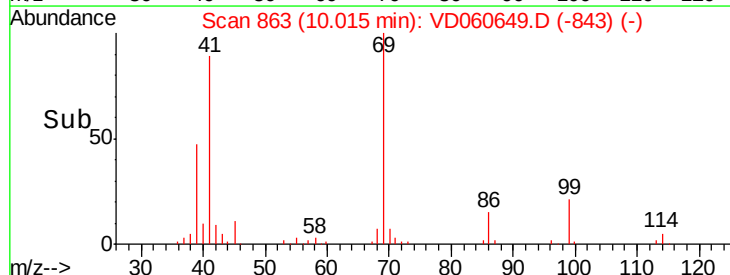
39 46.6 36.6 54.8

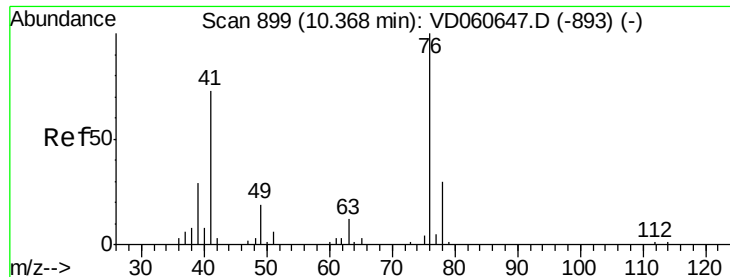


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

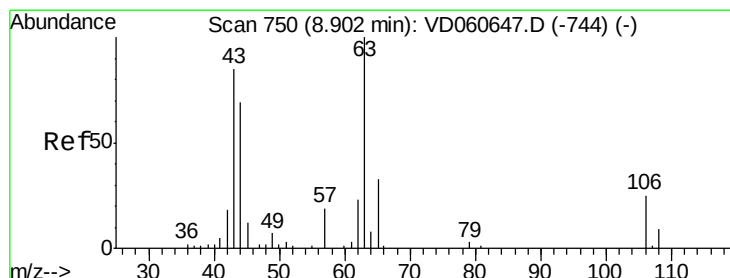
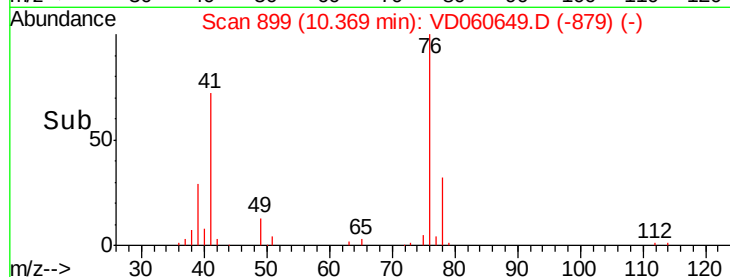
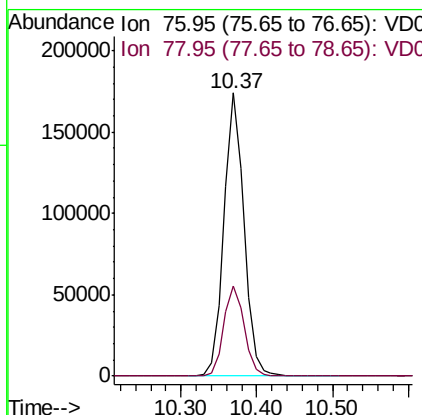
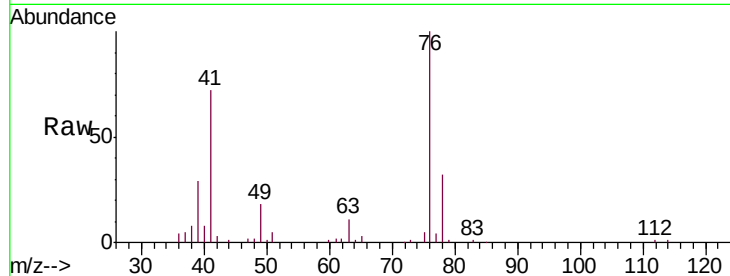




#57
 1,3-Dichloropropane
 Concen: 97.930 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

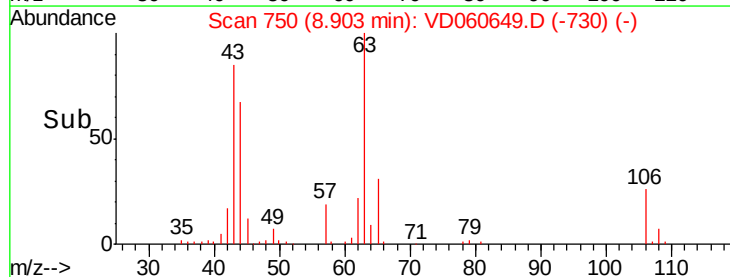
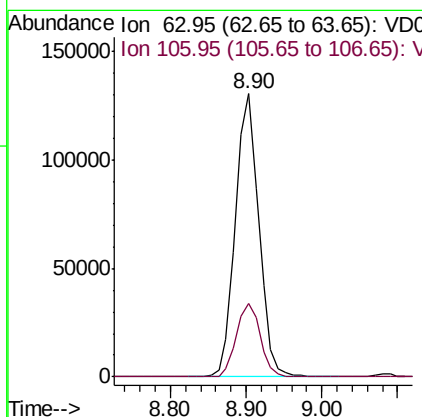
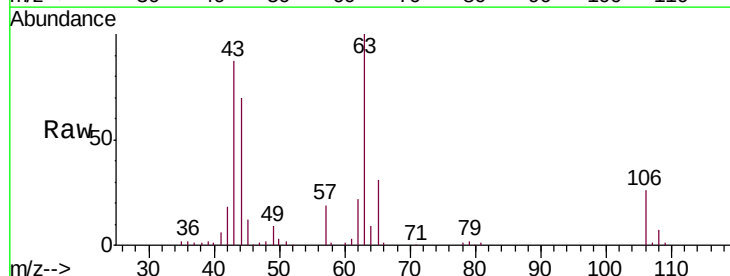
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

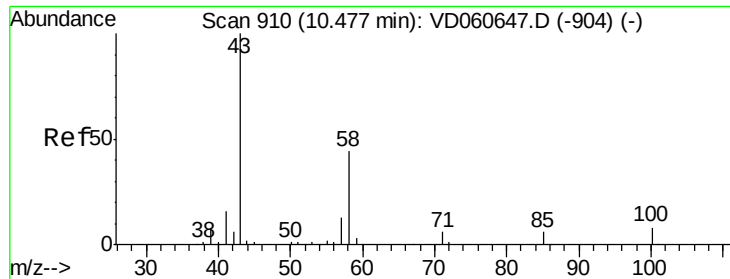
Tgt Ion: 76 Resp: 318876
 Ion Ratio Lower Upper
 76 100
 78 31.7 24.0 36.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 551.105 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion: 63 Resp: 278707
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.2 30.2

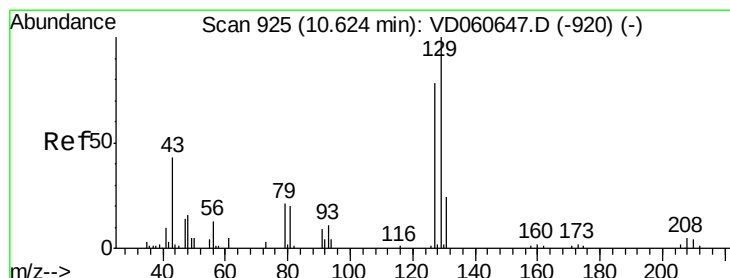
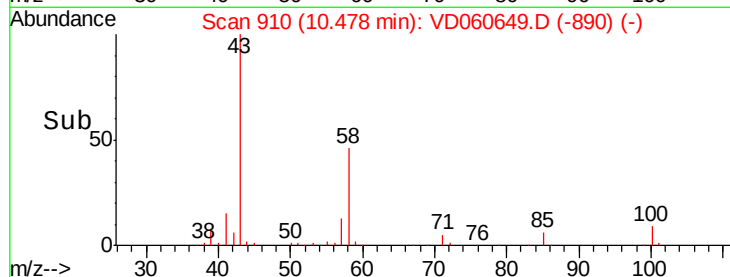
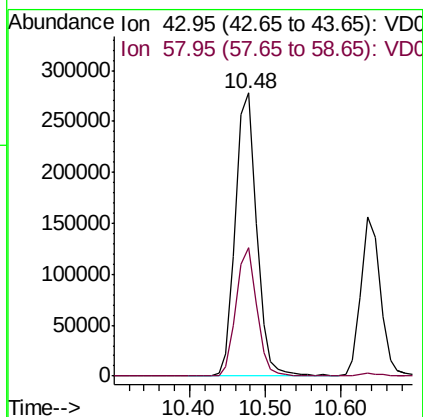
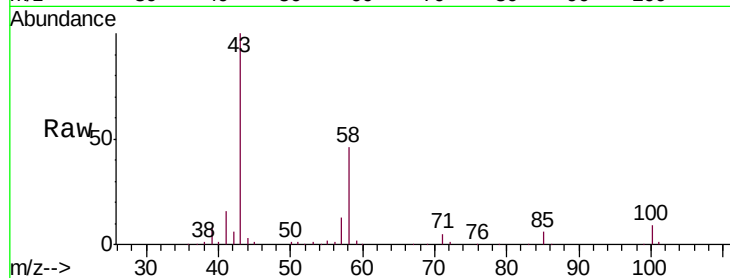




#59
2-Hexanone
Concen: 518.842 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

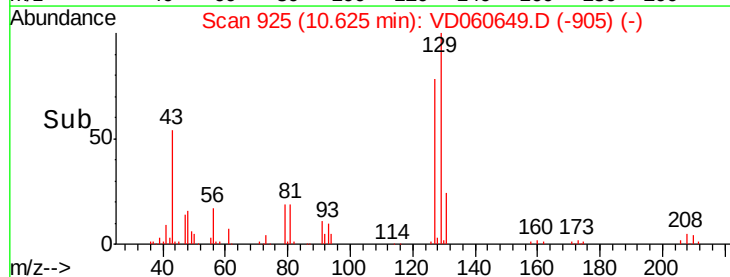
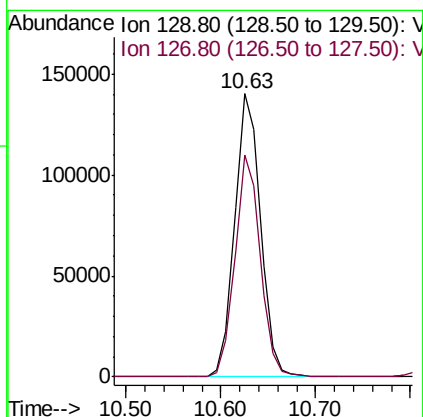
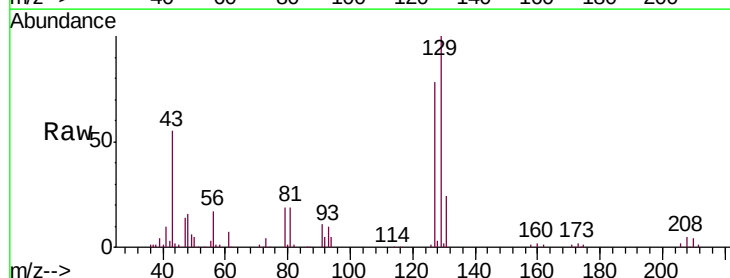
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

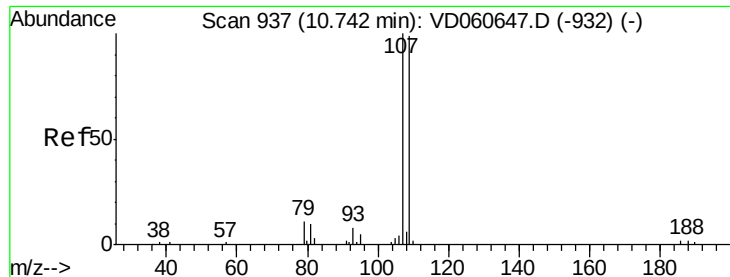
Tgt Ion: 43 Resp: 539210
Ion Ratio Lower Upper
43 100
58 45.6 22.3 66.8



#60
Dibromochloromethane
Concen: 105.077 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 129 Resp: 265401
Ion Ratio Lower Upper
129 100
127 78.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 102.081 ug/l

RT: 10.74 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

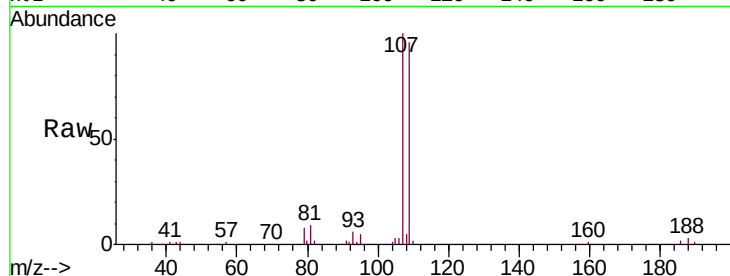
VSTDIC100

Tgt Ion: 107 Resp: 196568

Ion Ratio Lower Upper

107 100

109 96.0 79.4 119.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

120000

100000

80000

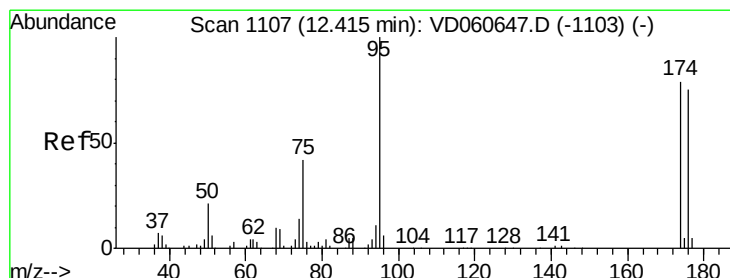
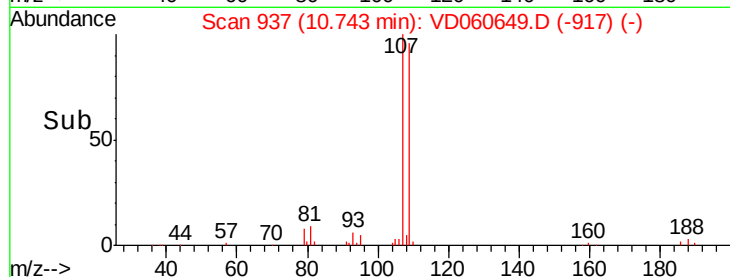
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 102.081 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

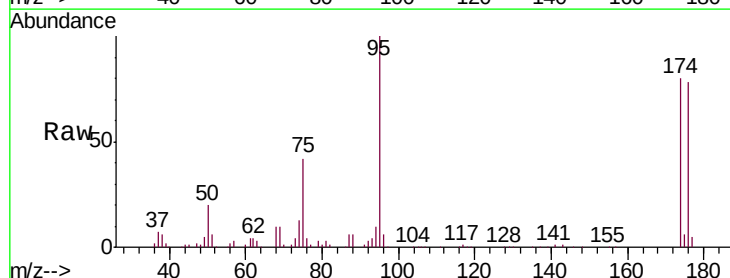
Tgt Ion: 95 Resp: 430279

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.2

176 77.8 0.0 150.2



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

400000

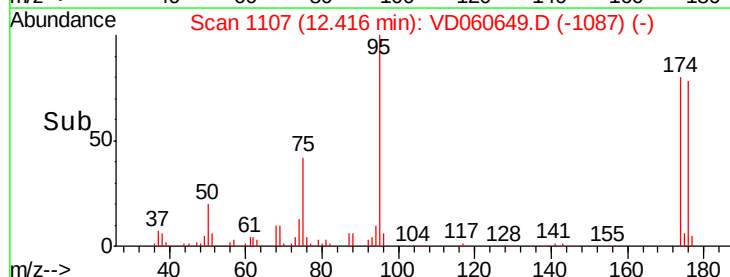
300000

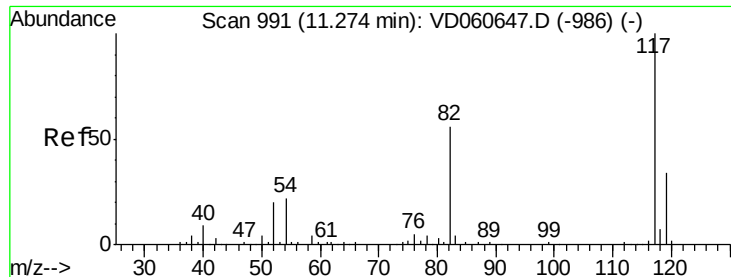
200000

100000

0

Time-->

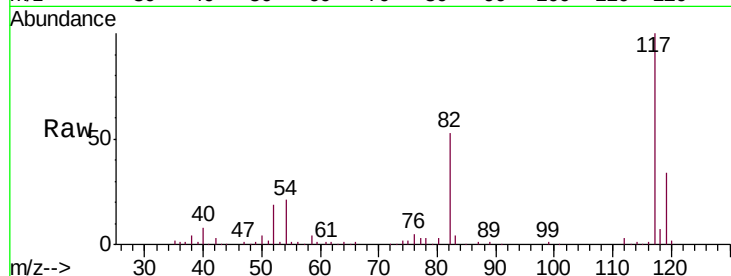




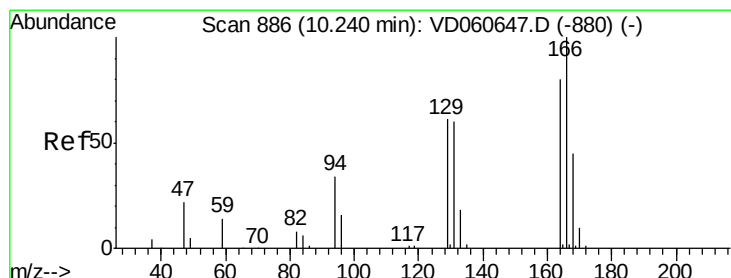
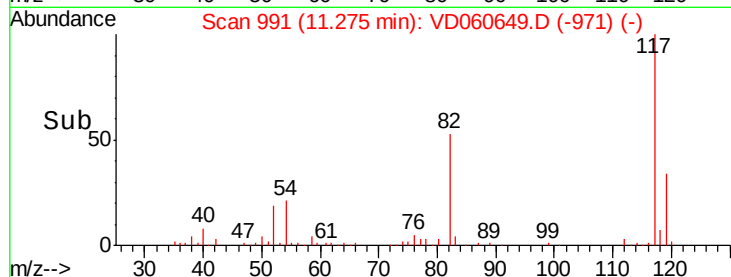
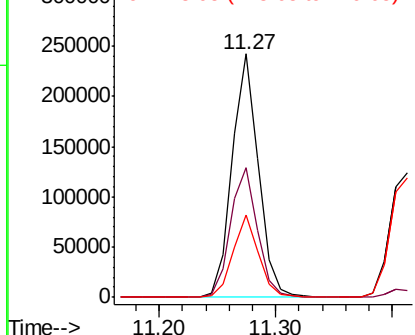
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 379118
Ion Ratio Lower Upper
117 100
82 53.3 44.6 67.0
119 33.7 27.0 40.4

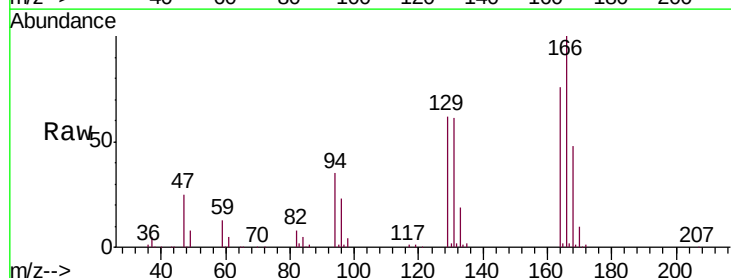


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

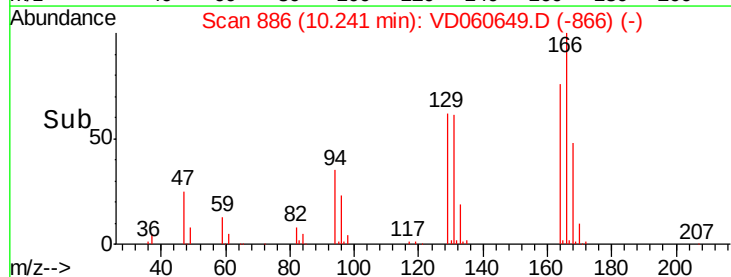
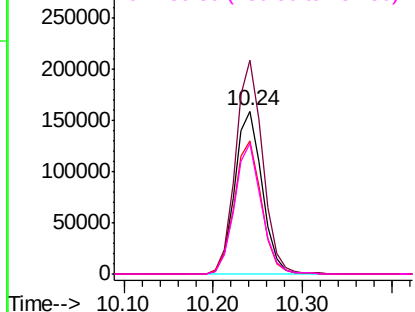


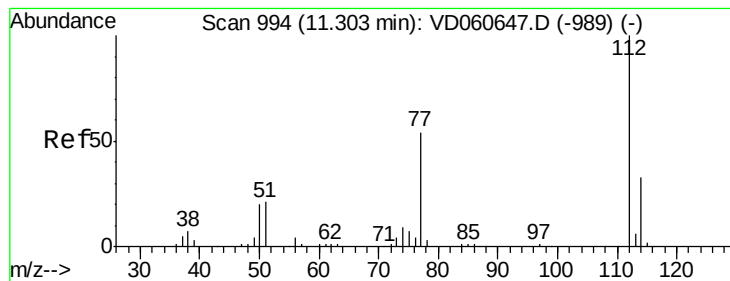
#64
Tetrachloroethene
Concen: 100.358 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion:164 Resp: 340022
Ion Ratio Lower Upper
164 100
166 131.3 100.0 150.0
129 81.7 60.6 90.8
131 80.5 59.5 89.3



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: 104.443 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

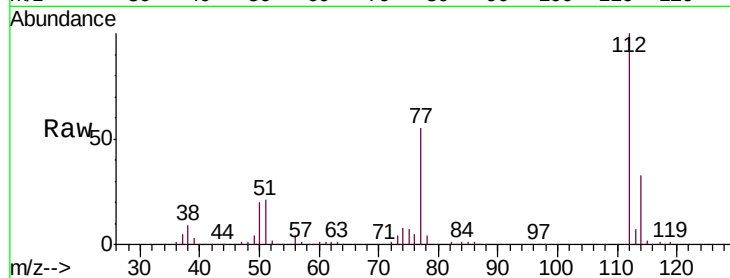
VSTDIC100

Tgt Ion:112 Resp: 870723

Ion Ratio Lower Upper

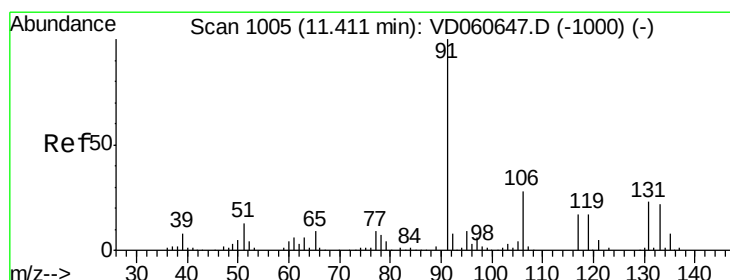
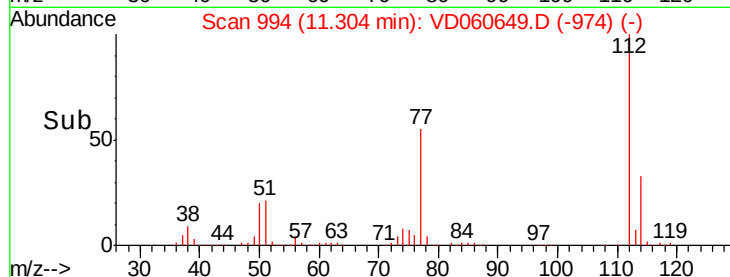
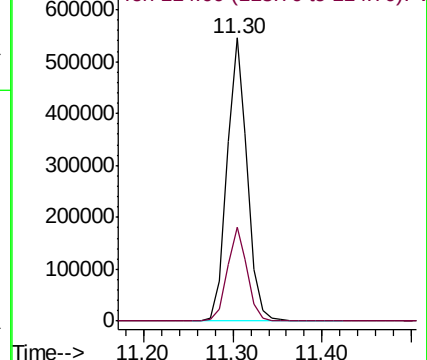
112 100

114 33.0 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 101.034 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

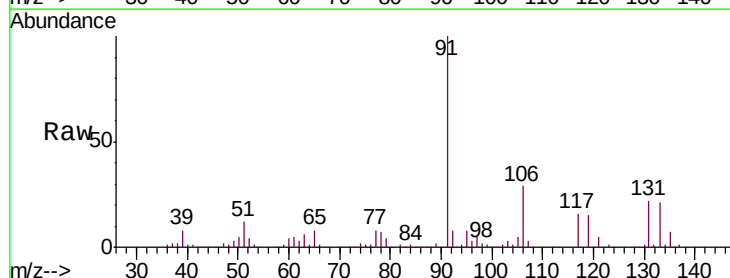
Tgt Ion:131 Resp: 280620

Ion Ratio Lower Upper

131 100

133 98.8 49.4 148.2

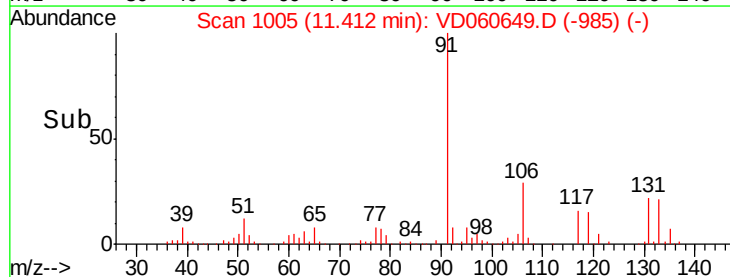
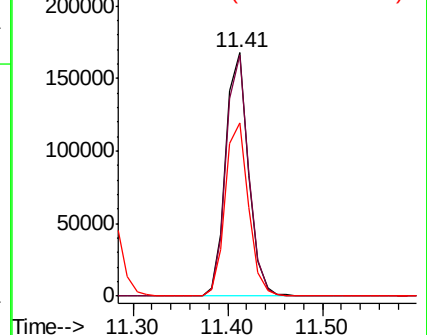
119 71.2 36.9 110.6

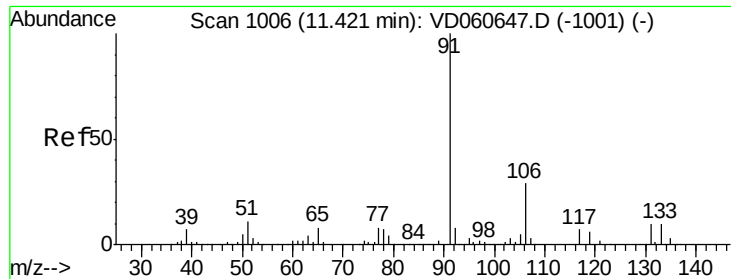


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

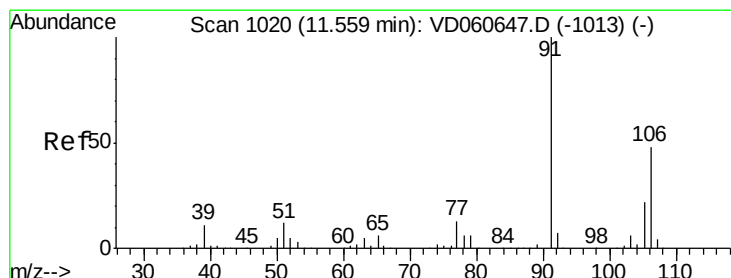
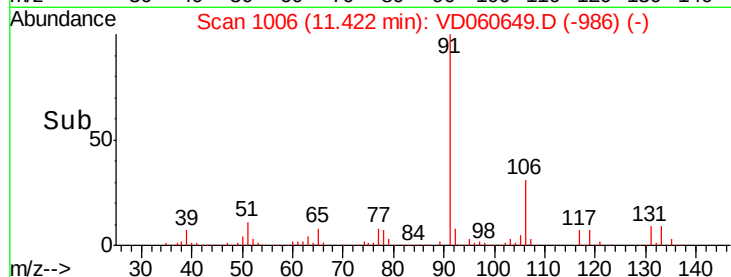
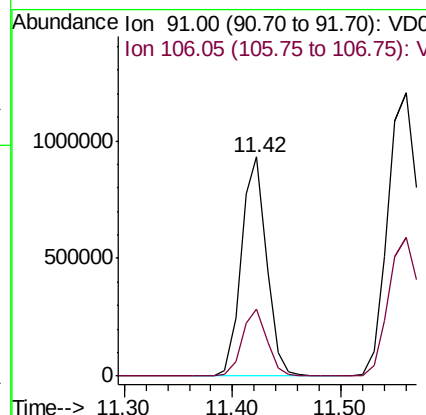
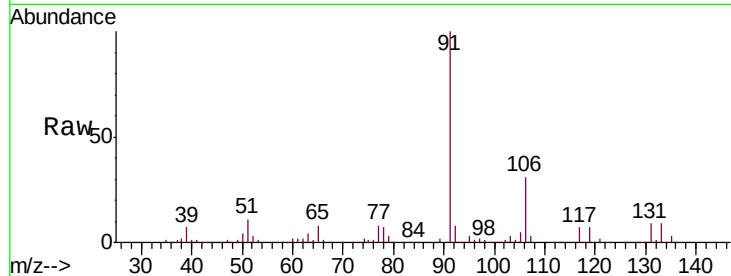




#67
Ethyl Benzene
Concen: 100.198 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

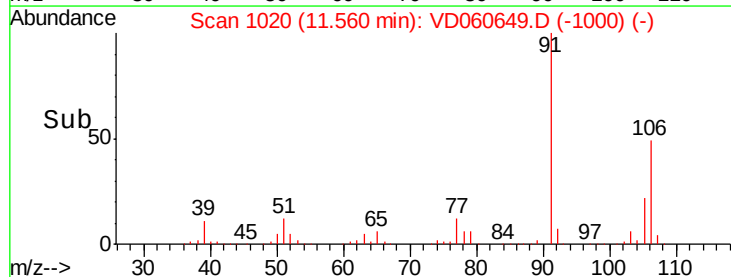
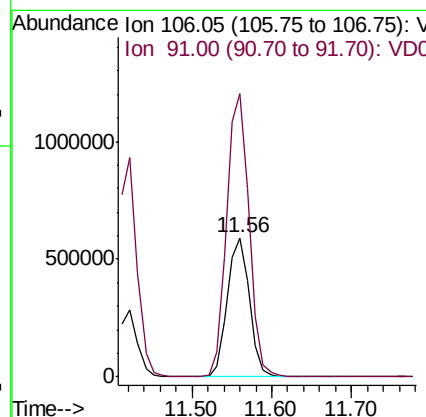
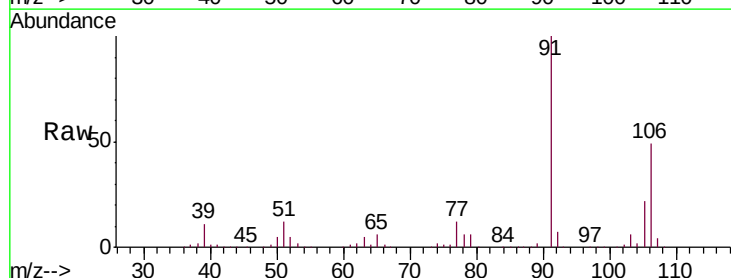
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

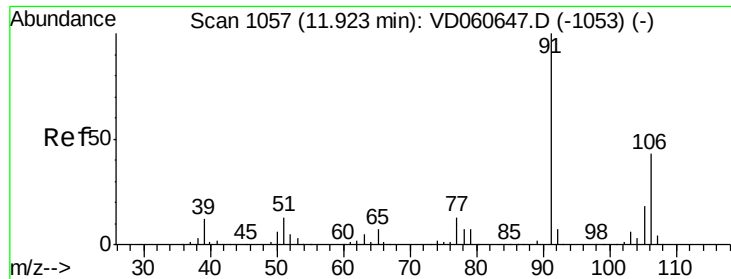
Tgt Ion: 91 Resp: 1510419
Ion Ratio Lower Upper
91 100
106 30.7 23.5 35.3



#68
m/p-Xylenes
Concen: 208.284 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 106 Resp: 1163922
Ion Ratio Lower Upper
106 100
91 203.9 167.6 251.4

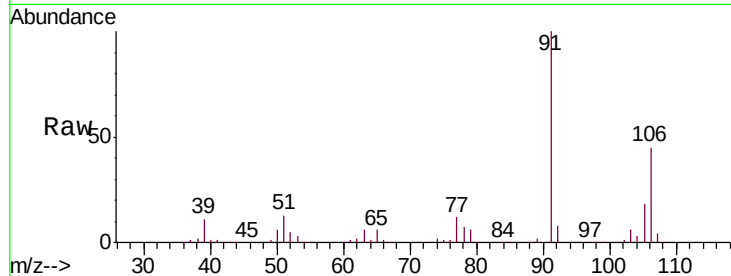




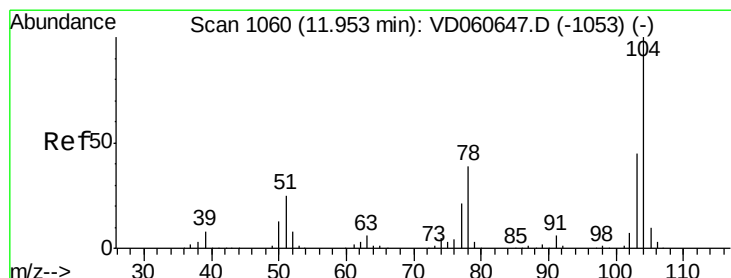
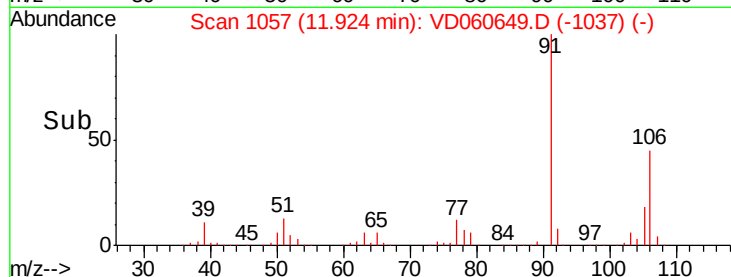
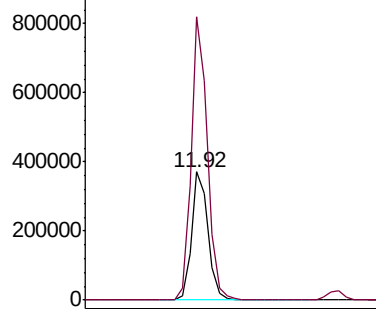
#69
o-Xylene
Concen: 102.845 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 567412
Ion Ratio Lower Upper
106 100
91 220.3 115.4 346.2

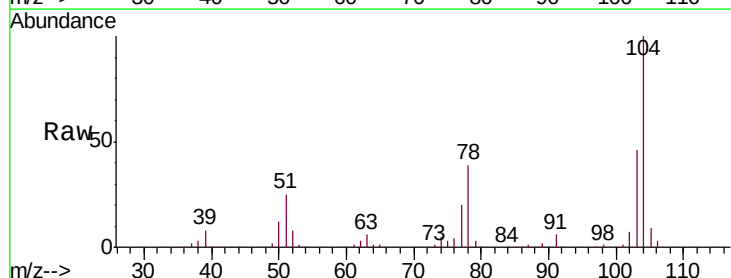


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

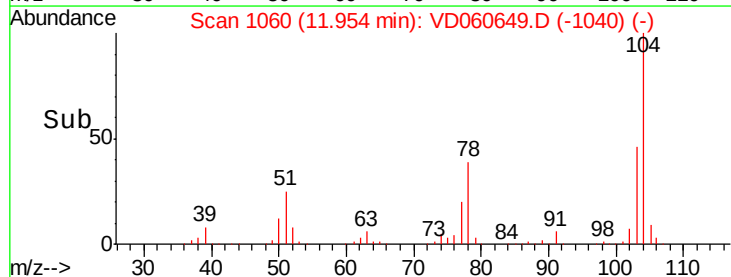
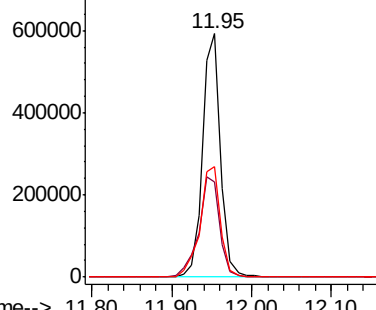


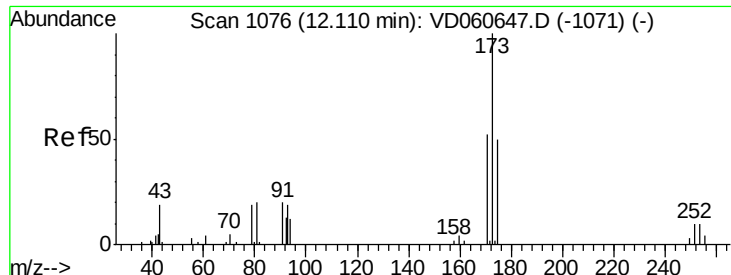
#70
Styrene
Concen: 103.827 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion:104 Resp: 934653
Ion Ratio Lower Upper
104 100
78 39.1 31.0 46.4
103 45.6 36.3 54.5



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: 109.479 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

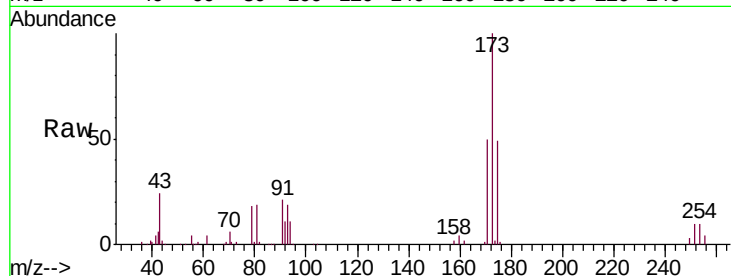
Tgt Ion:173 Resp: 199084

Ion Ratio Lower Upper

173 100

175 49.4 24.9 74.6

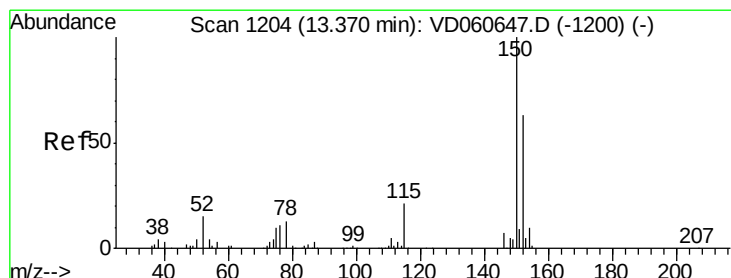
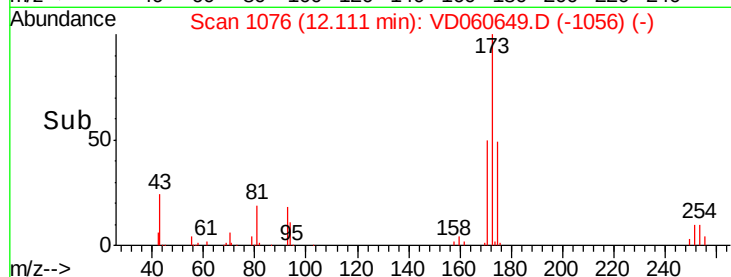
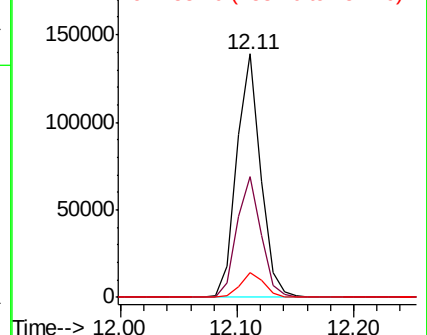
254 10.4 8.0 12.0



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: 13.37 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

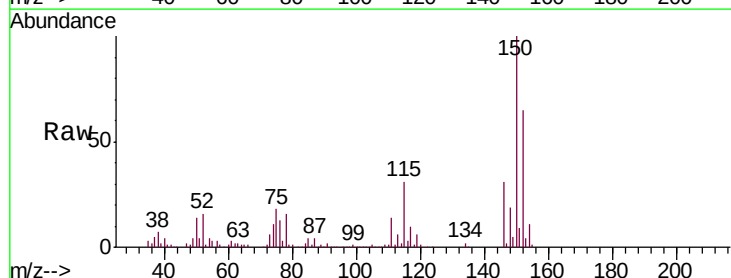
Tgt Ion:152 Resp: 312625

Ion Ratio Lower Upper

152 100

115 46.8 24.3 72.9

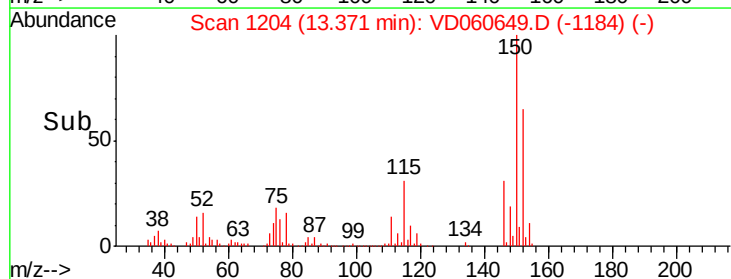
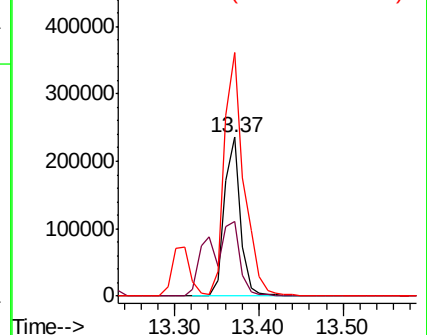
150 153.1 0.0 320.0

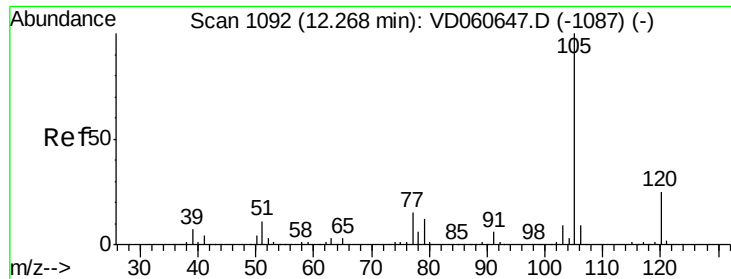


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.213 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

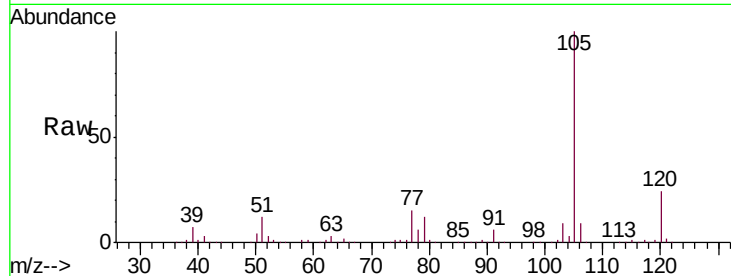
VSTDIC100

Tgt Ion:105 Resp: 1611509

Ion Ratio Lower Upper

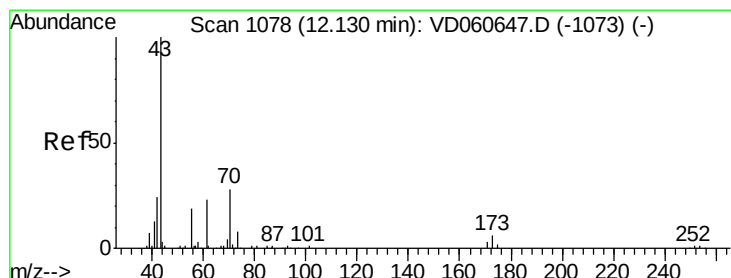
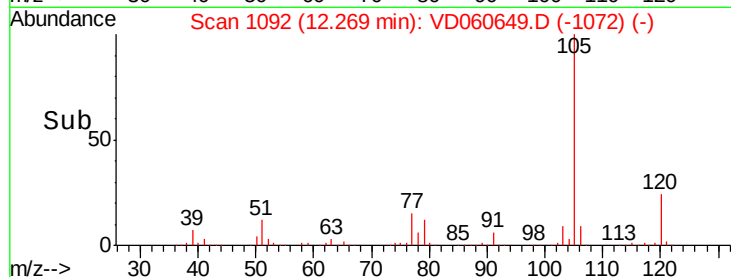
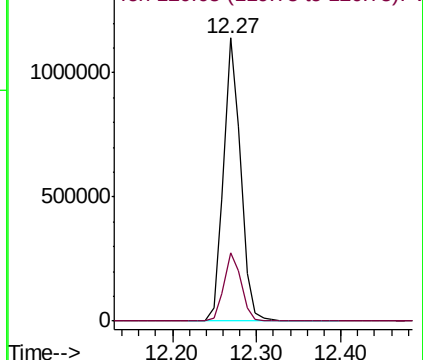
105 100

120 24.3 12.4 37.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 103.288 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Tgt Ion: 43 Resp: 373760

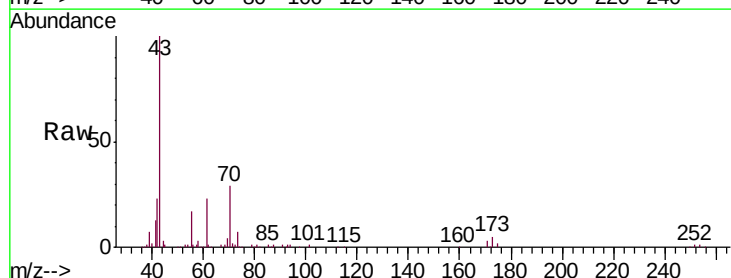
Ion Ratio Lower Upper

43 100

70 29.2 22.8 34.2

55 17.2 14.8 22.2

61 23.0 18.3 27.5

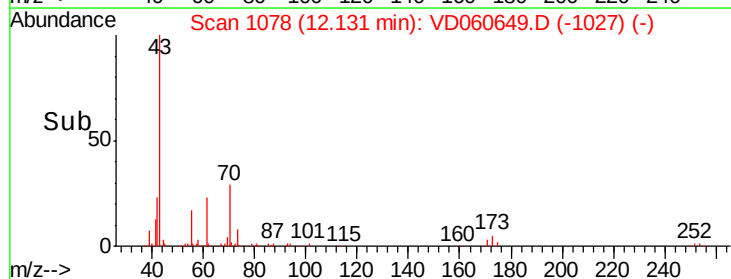
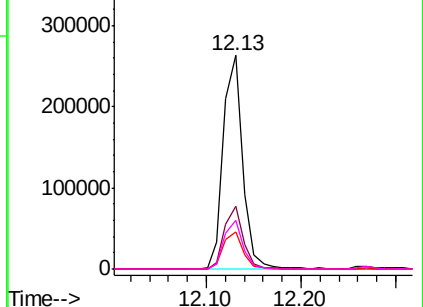


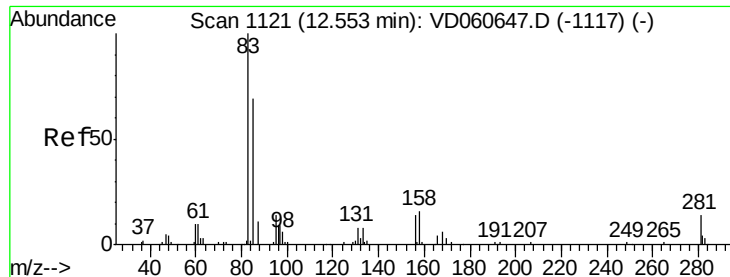
Abundance Ion 42.95 (42.65 to 43.65): V

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

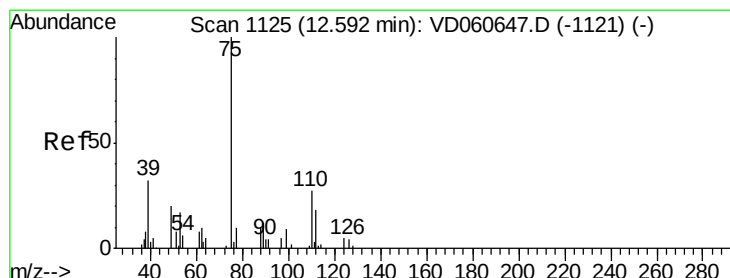
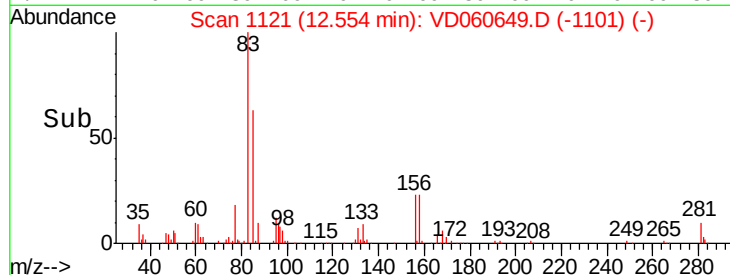
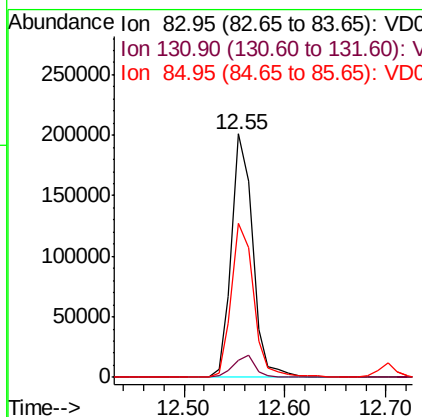
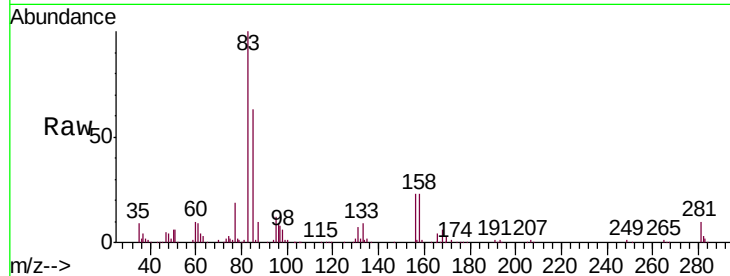




#75
 1,1,2,2-Tetrachloroethane
 Concen: 100.771 ug/l
 RT: 12.55 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

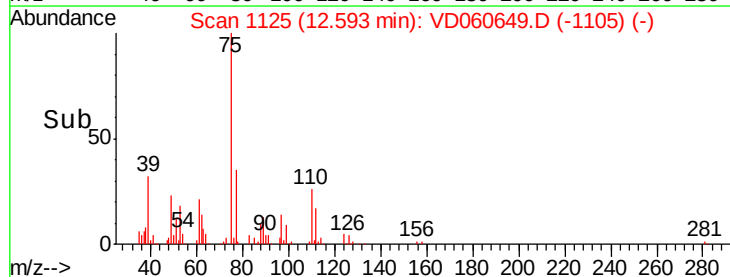
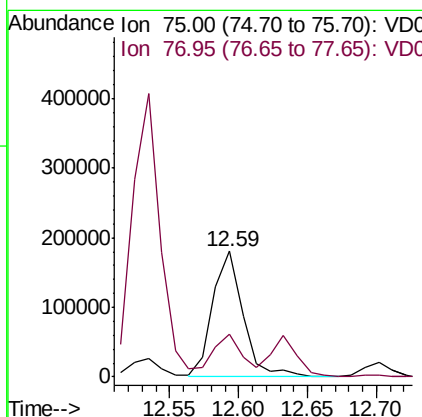
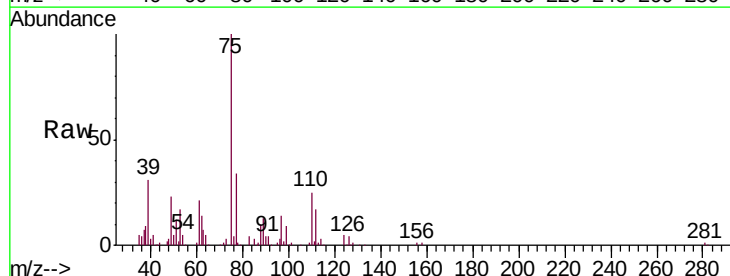
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

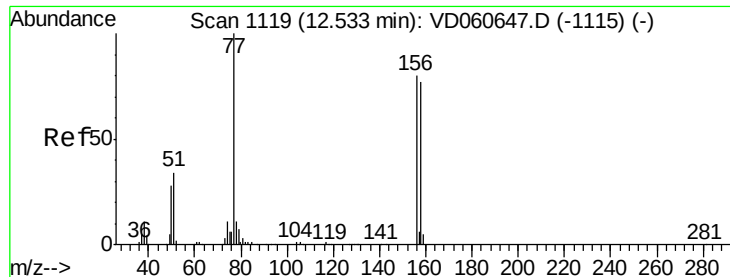
Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.0	4.0	12.0
85	63.5	34.5	103.5



#76
 1,2,3-Trichloropropane
 Concen: 103.270 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	15.9	47.7





#77

Bromobenzene

Concen: 96.134 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

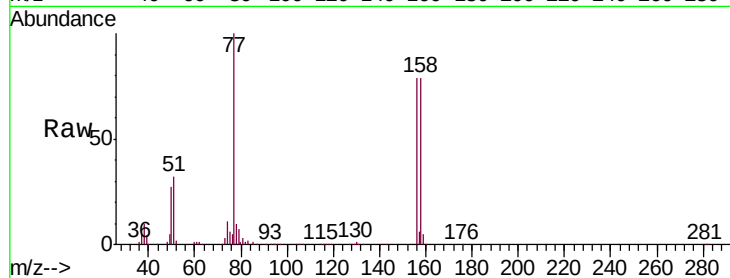
Tgt Ion:156 Resp: 449853

Ion Ratio Lower Upper

156 100

77 127.2 62.8 188.5

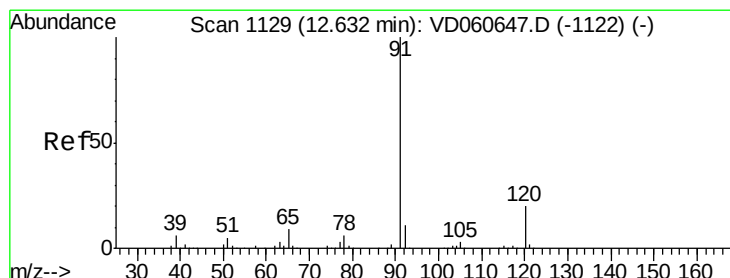
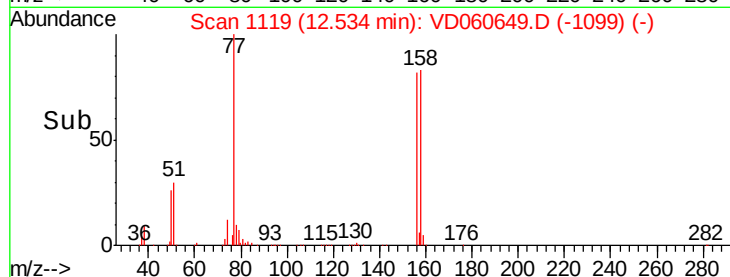
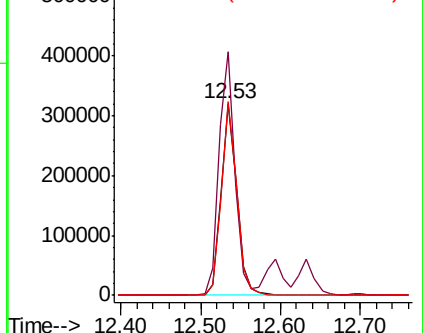
158 101.0 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 94.910 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD060649.D

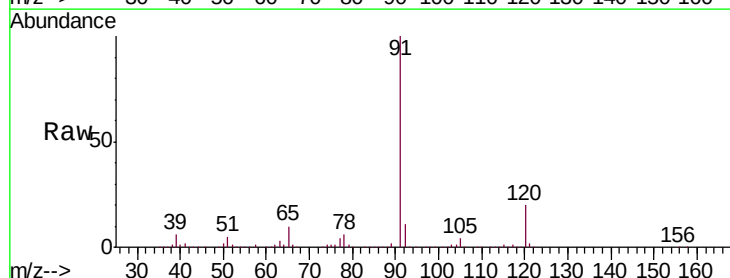
Acq: 19 Dec 2018 20:28

Tgt Ion: 91 Resp: 2202968

Ion Ratio Lower Upper

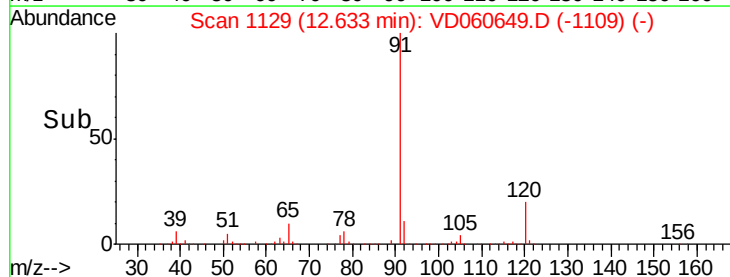
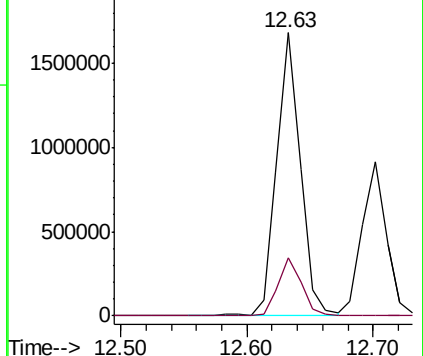
91 100

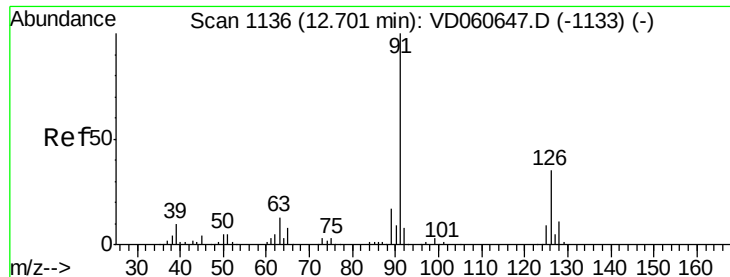
120 20.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 96.143 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

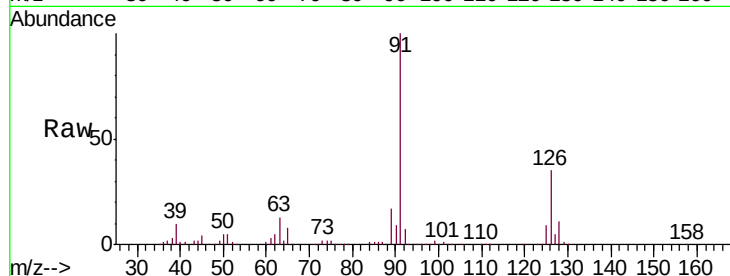
VSTDIC100

Tgt Ion: 91 Resp: 1216135

Ion Ratio Lower Upper

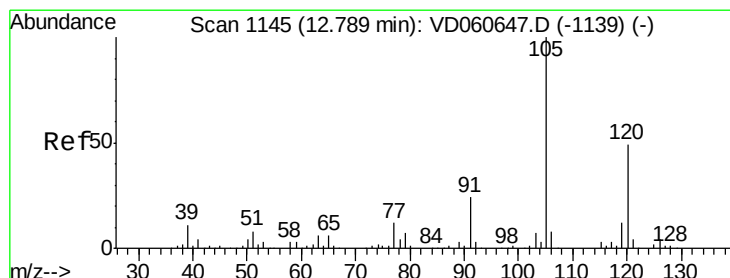
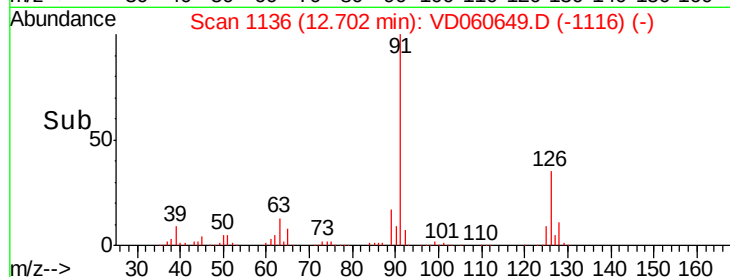
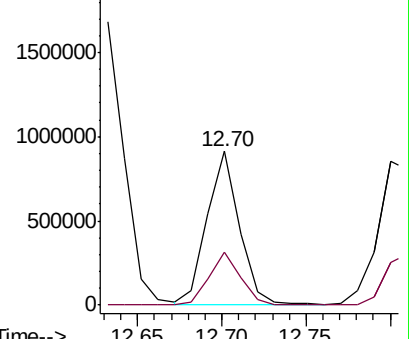
91 100

126 34.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VD060649.D (-1133) (-)

Ion 125.95 (125.65 to 126.65): VD060649.D (-1133) (-)



#80

1,3,5-Trimethylbenzene

Concen: 97.164 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD060649.D

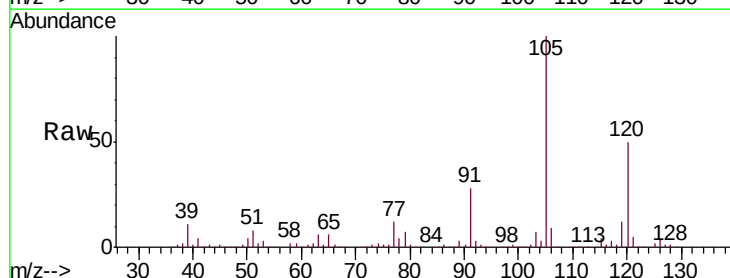
Acq: 19 Dec 2018 20:28

Tgt Ion: 105 Resp: 1453855

Ion Ratio Lower Upper

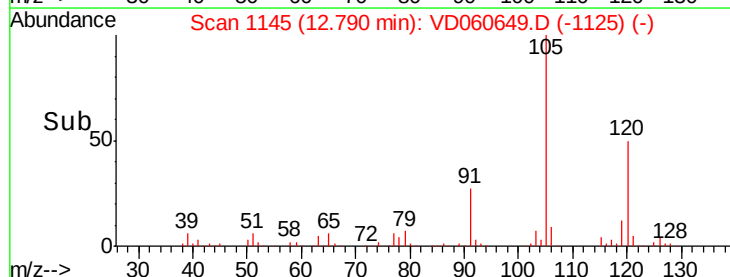
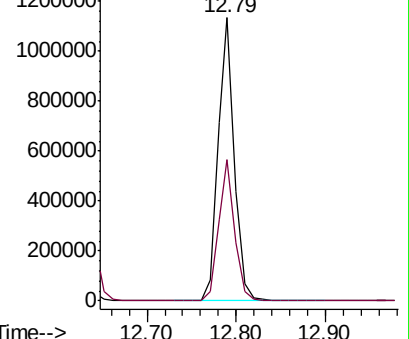
105 100

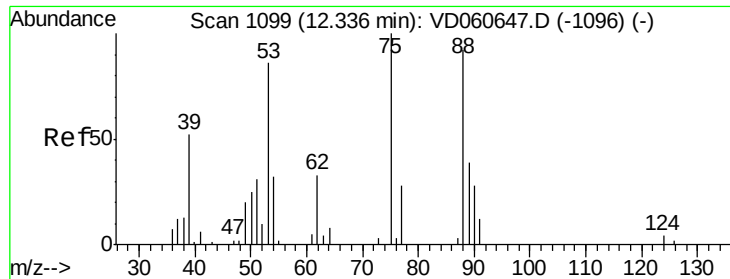
120 49.8 24.6 74.0



Abundance Ion 105.05 (104.75 to 105.75): VD060649.D (-1125) (-)

Ion 120.05 (119.75 to 120.75): VD060649.D (-1125) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 107.898 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060649.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

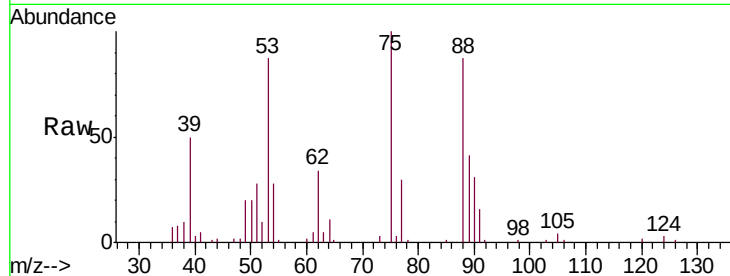
Tgt Ion: 75 Resp: 66211

Ion Ratio Lower Upper

75 100

53 86.6 68.4 102.6

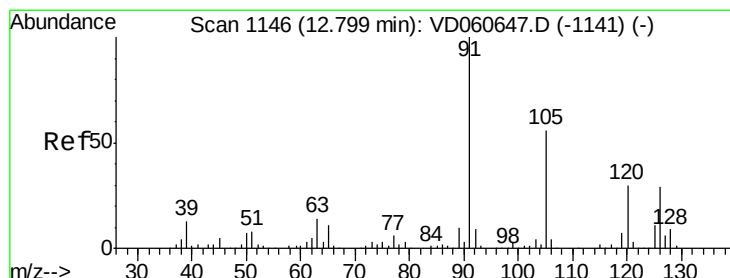
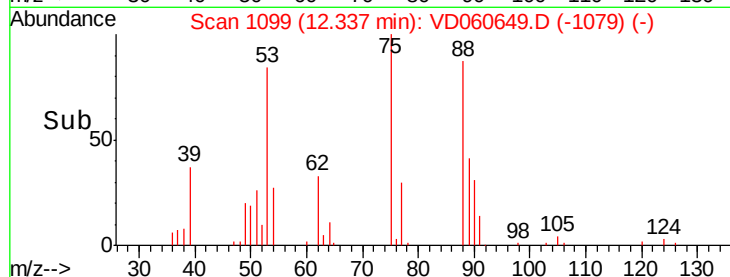
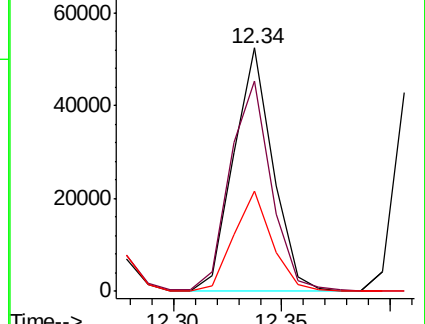
89 40.9 31.6 47.4



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: 92.287 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060649.D

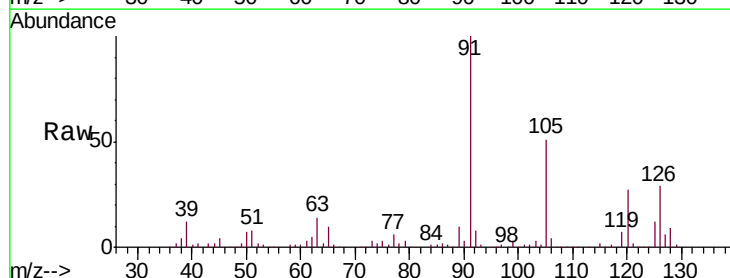
Acq: 19 Dec 2018 20:28

Tgt Ion: 91 Resp: 1373584

Ion Ratio Lower Upper

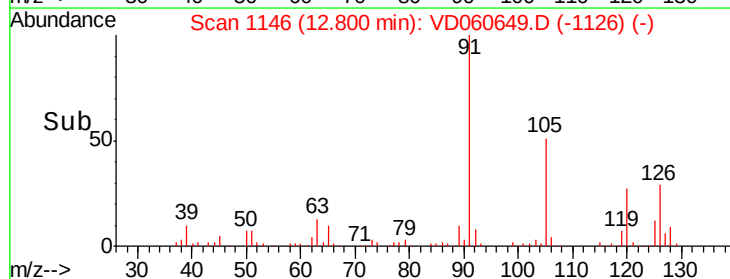
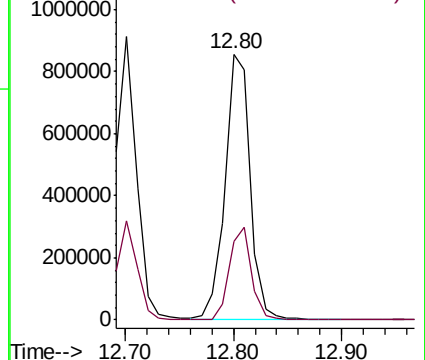
91 100

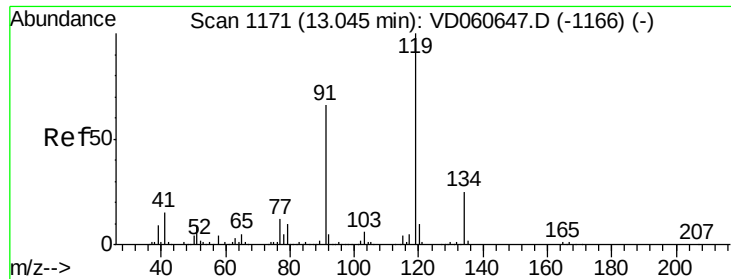
126 29.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

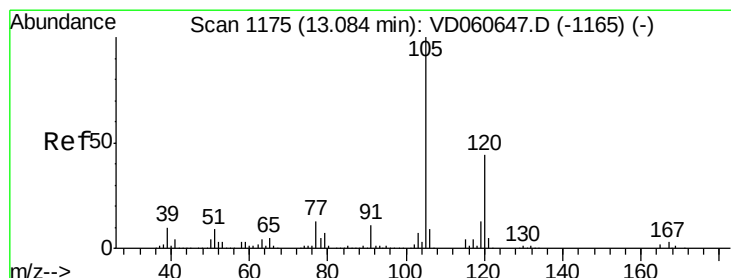
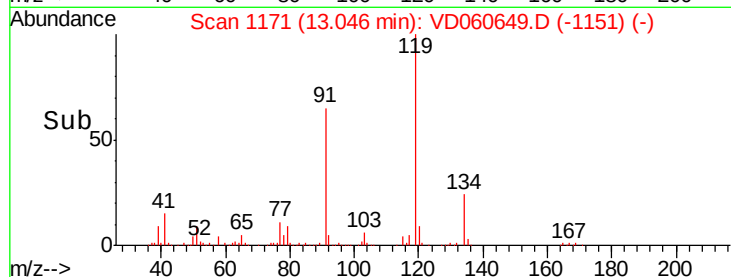
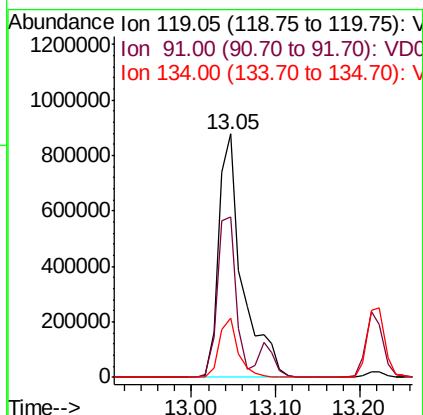
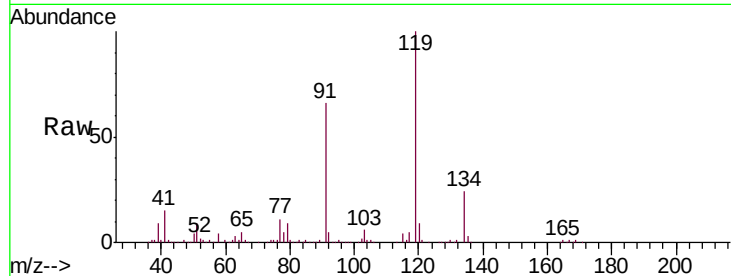




#83
 tert-Butylbenzene
 Concen: 99.475 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

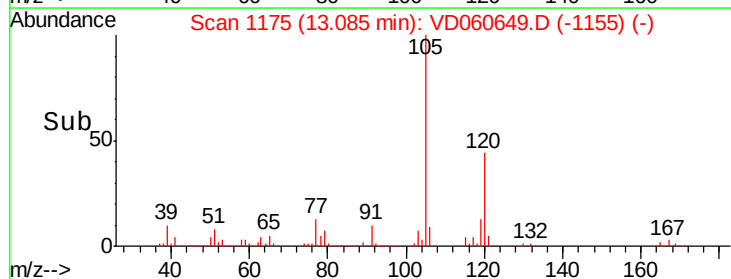
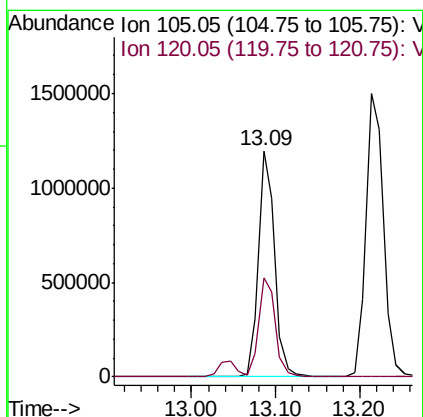
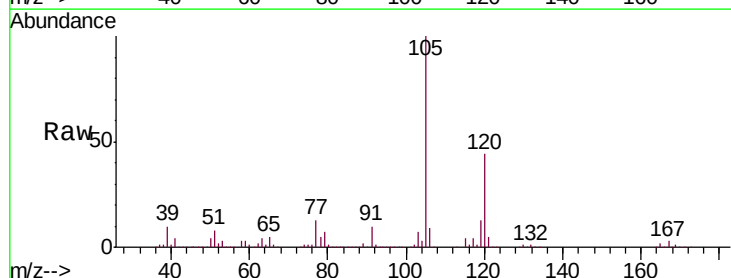
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

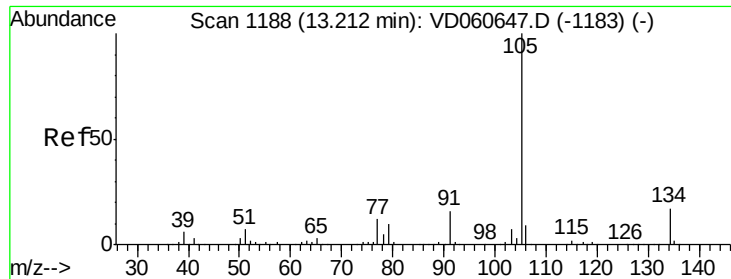
Tgt Ion:119 Resp: 1716186
 Ion Ratio Lower Upper
 119 100
 91 65.9 33.3 99.8
 134 24.5 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 98.828 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion:105 Resp: 1626573
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.3 66.8

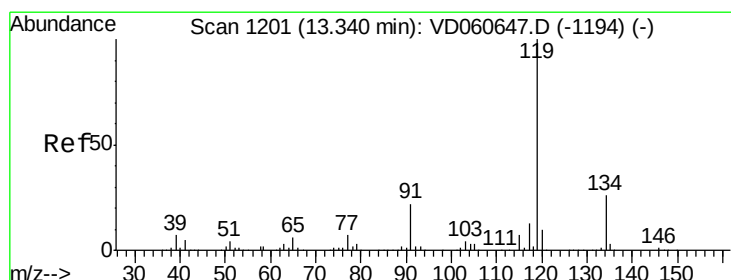
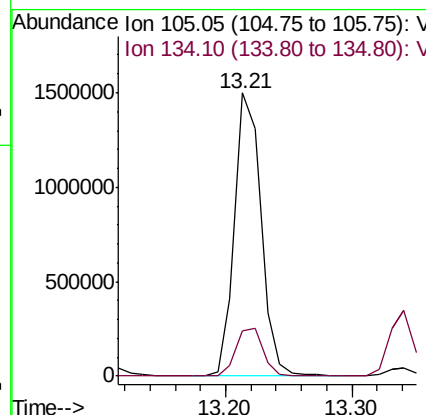
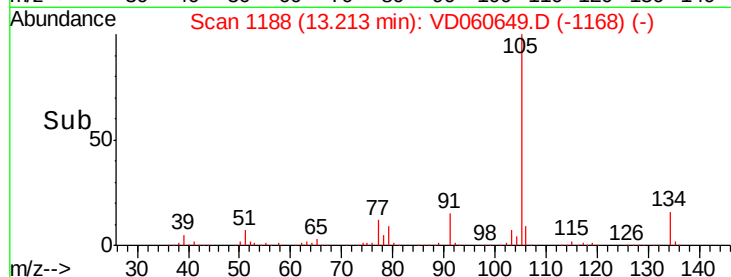
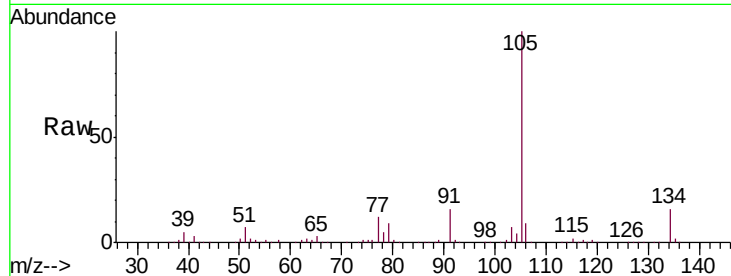




#85
 sec-Butylbenzene
 Concen: 97.623 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

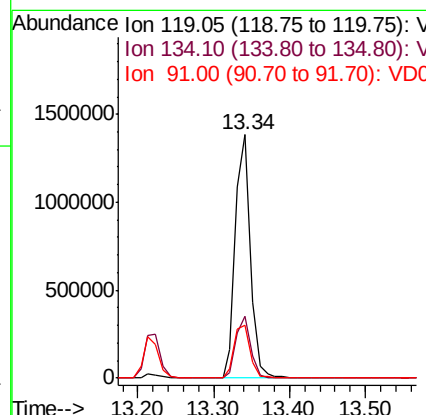
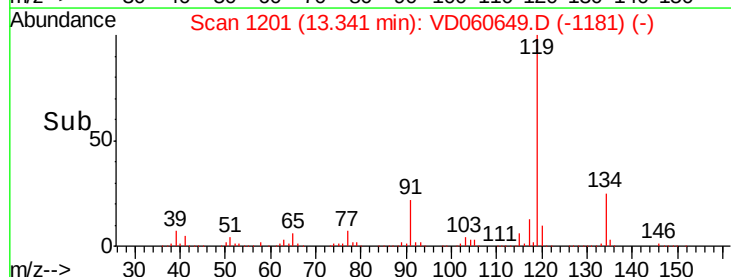
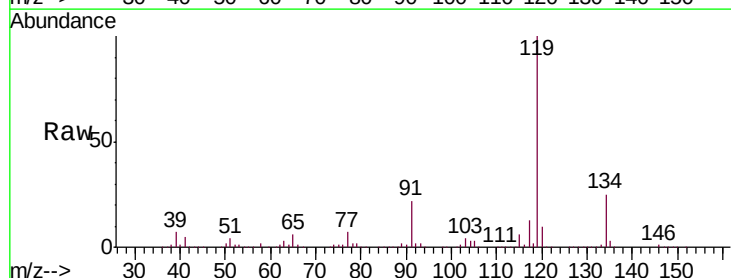
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

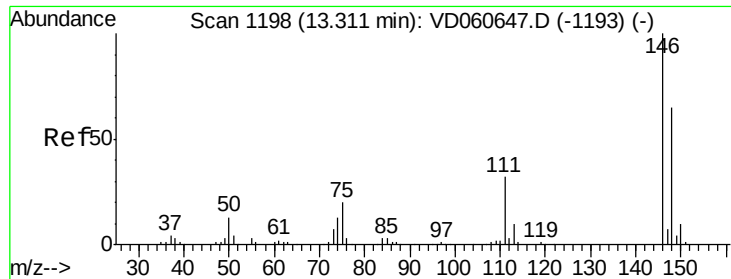
Tgt Ion:105 Resp: 2158977
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 98.715 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion:119 Resp: 1880215
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.1 39.1
 91 21.7 11.2 33.5

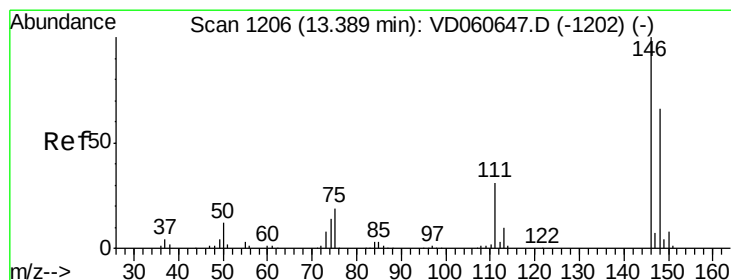
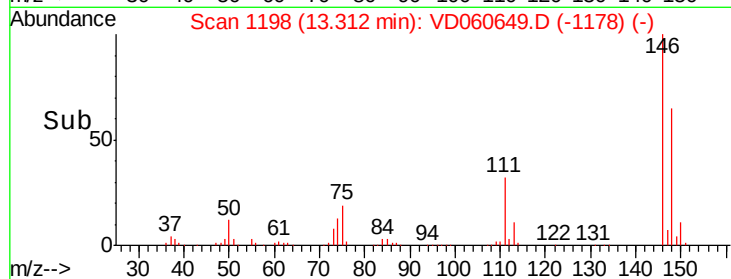
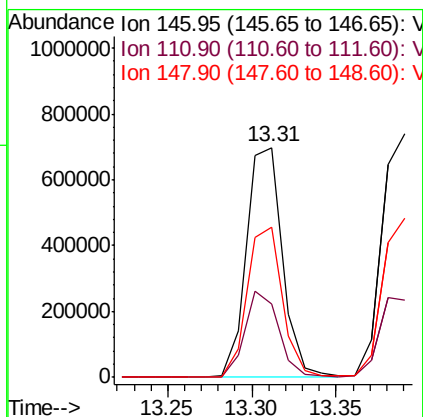
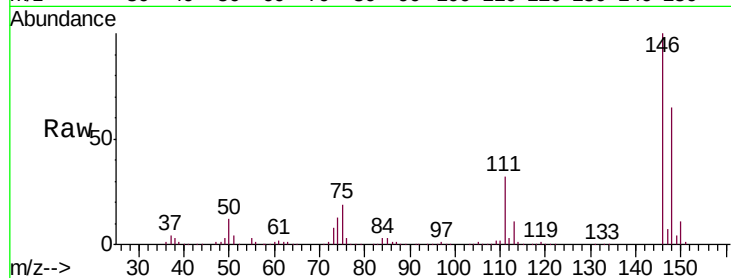




#87
 1,3-Dichlorobenzene
 Concen: 99.106 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

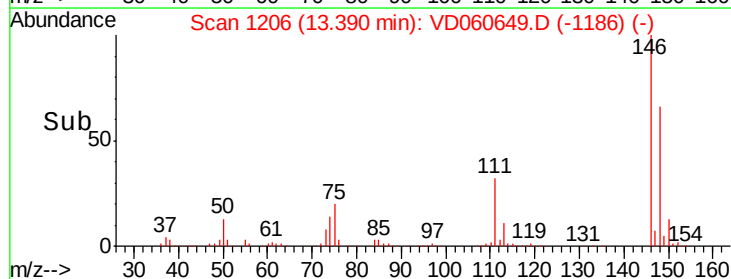
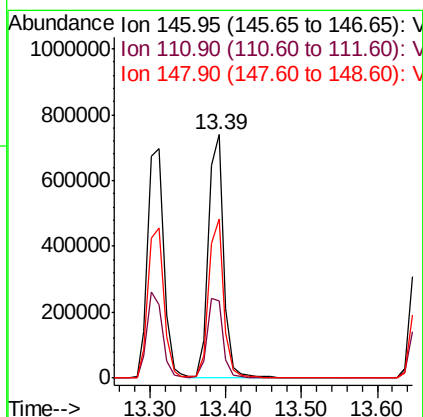
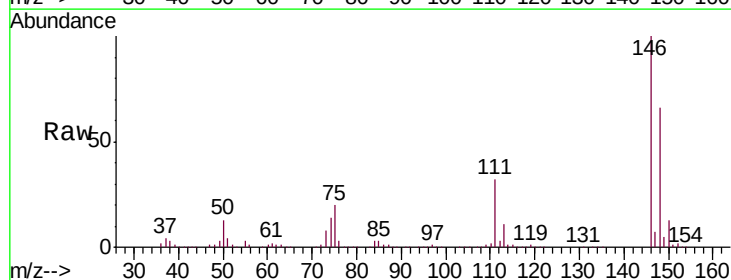
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

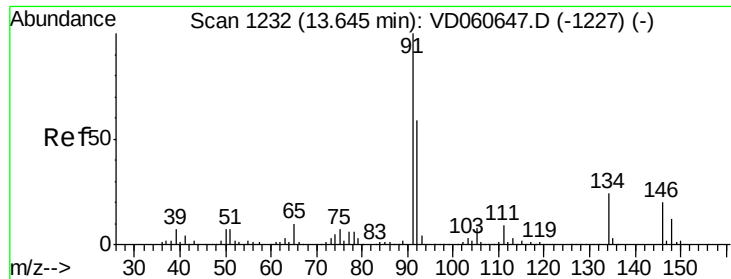
Tgt Ion:146 Resp: 1039707
 Ion Ratio Lower Upper
 146 100
 111 31.8 15.9 47.7
 148 65.3 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 99.615 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion:146 Resp: 1055836
 Ion Ratio Lower Upper
 146 100
 111 31.6 15.4 46.2
 148 65.5 32.9 98.7

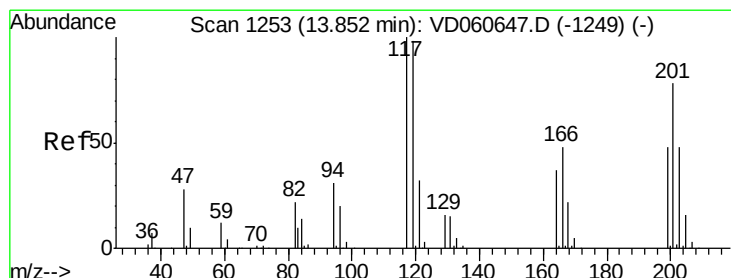
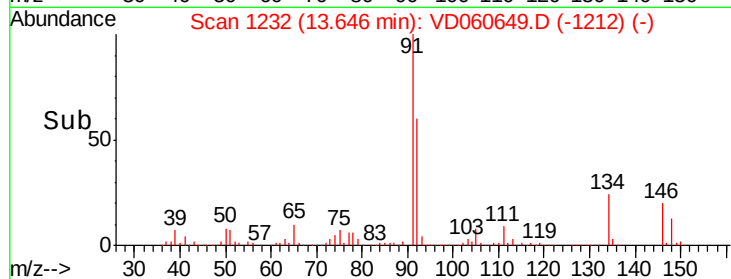
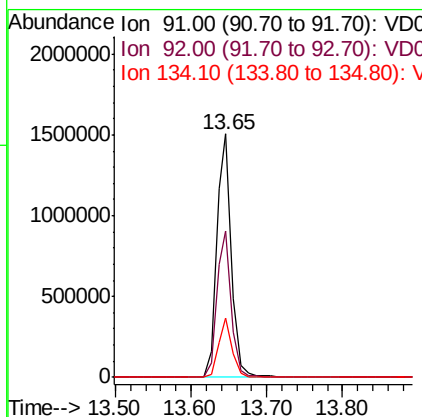
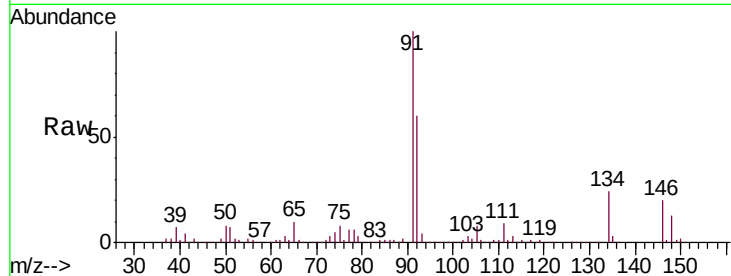




#89
n-Butylbenzene
Concen: 94.045 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

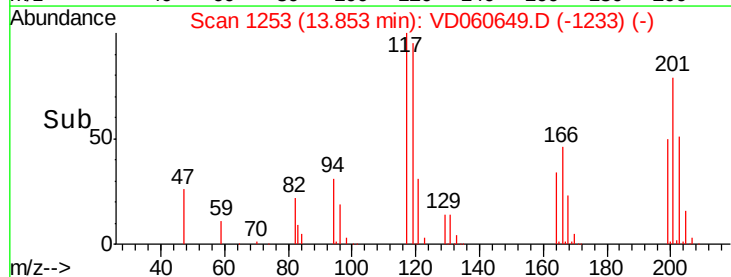
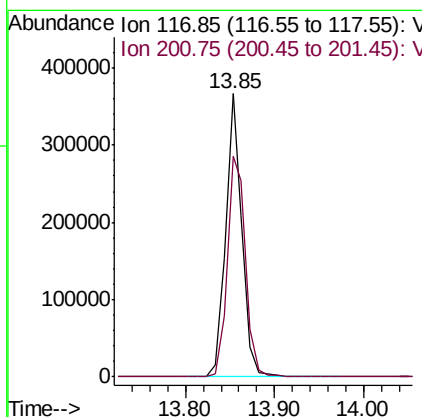
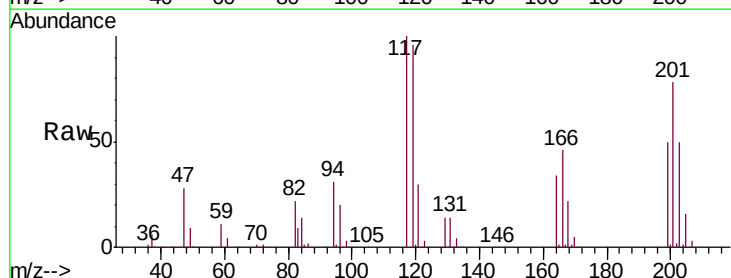
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

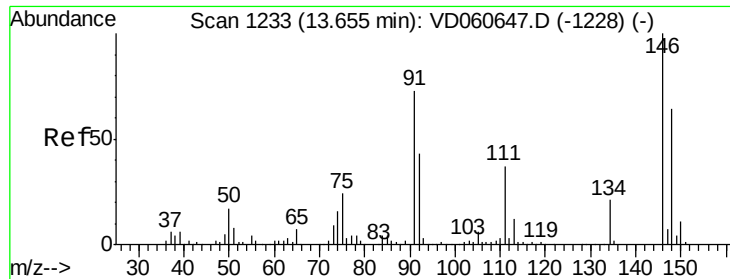
Tgt Ion: 91 Resp: 2053360
Ion Ratio Lower Upper
91 100
92 60.0 29.7 89.1
134 24.4 12.0 36.0



#90
Hexachloroethane
Concen: 103.239 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion: 117 Resp: 471842
Ion Ratio Lower Upper
117 100
201 78.1 39.0 116.9

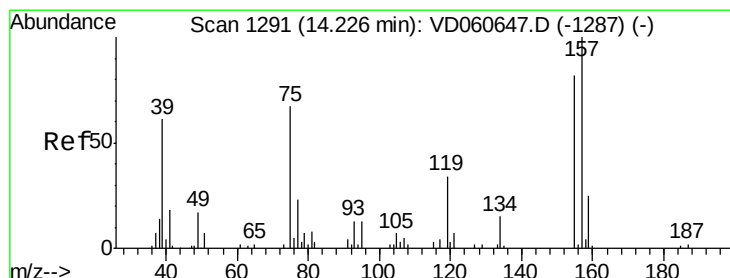
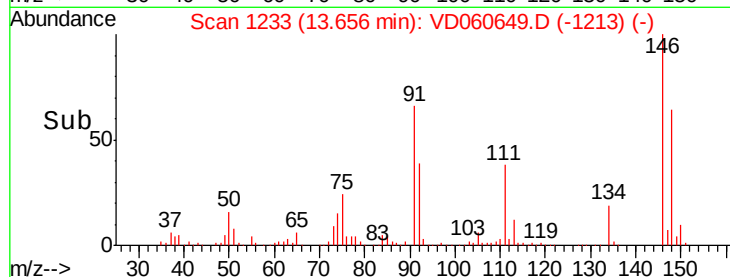
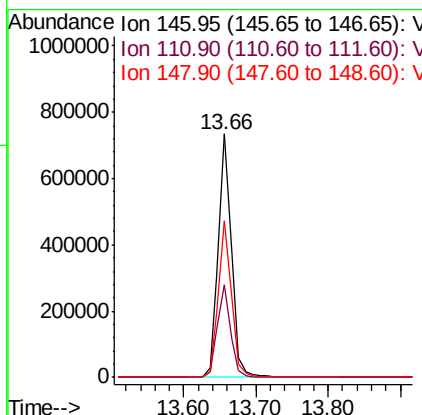
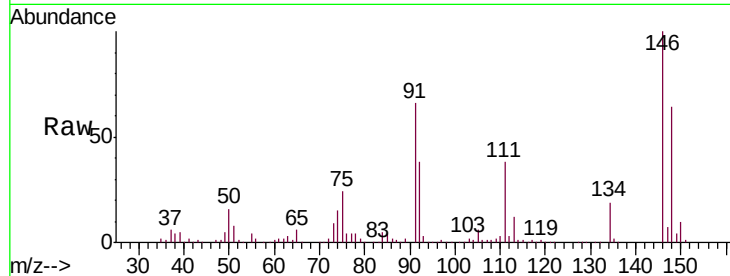




#91
 1,2-Dichlorobenzene
 Concen: 95.096 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

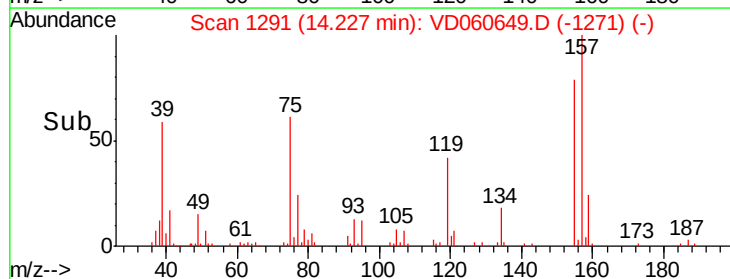
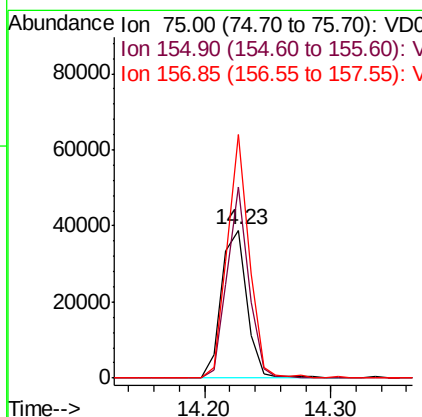
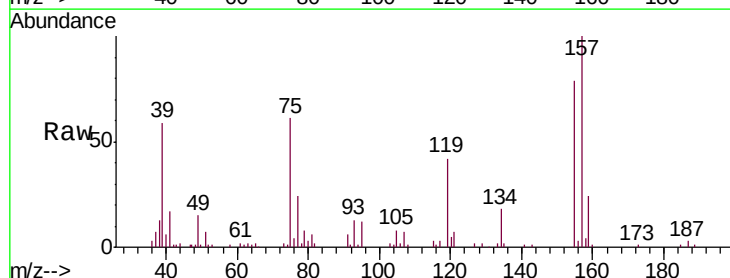
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

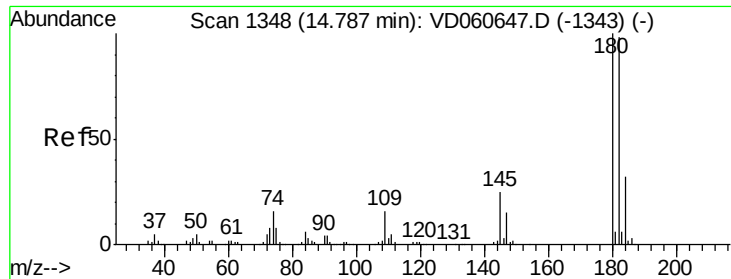
Tgt Ion: 146 Resp: 911047
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 64.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.756 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion: 75 Resp: 54542
 Ion Ratio Lower Upper
 75 100
 155 129.4 61.6 184.8
 157 164.4 75.2 225.6

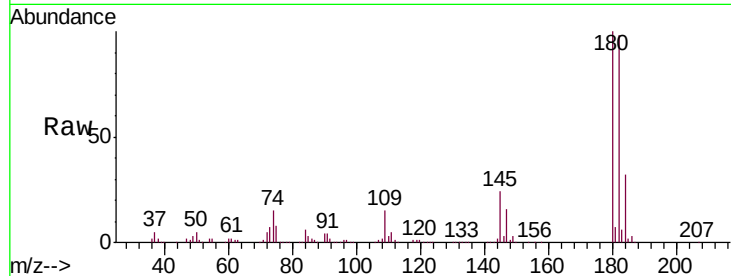




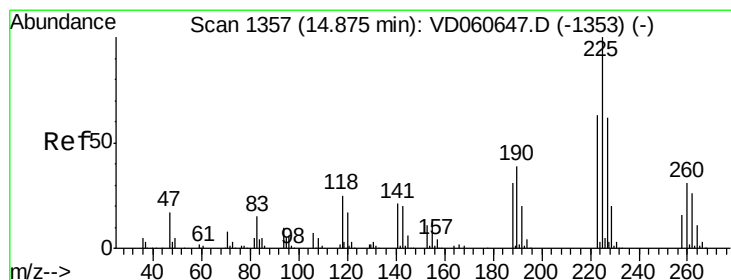
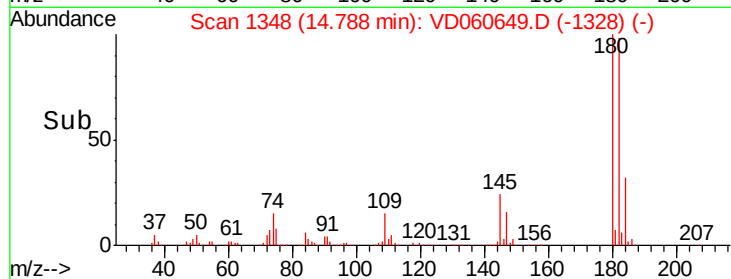
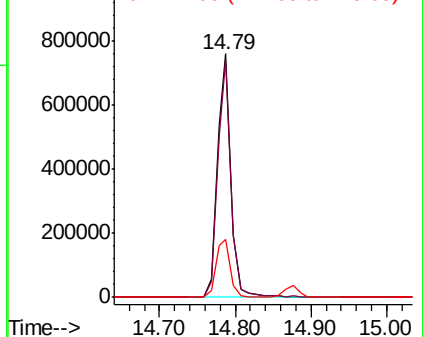
#93
 1,2,4-Trichlorobenzene
 Concen: 98.492 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 960565
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.8 146.3
 145 23.9 12.6 37.6

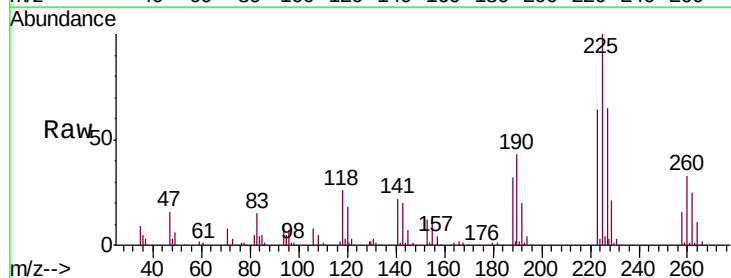


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

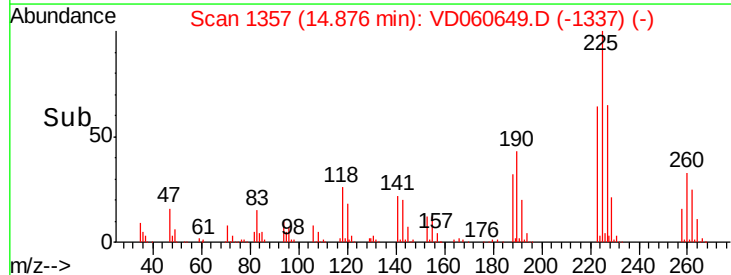
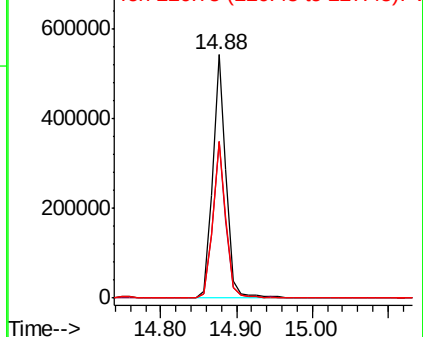


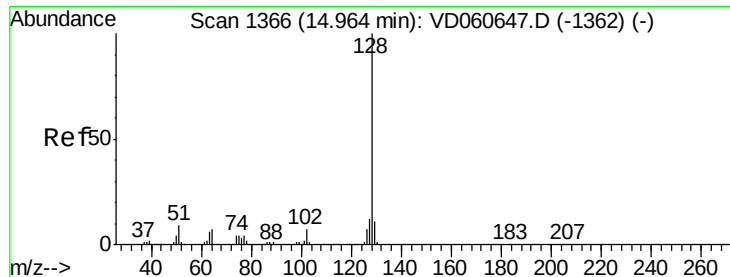
#94
 Hexachlorobutadiene
 Concen: 94.452 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060649.D
 Acq: 19 Dec 2018 20:28

Tgt Ion:225 Resp: 683098
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.6 94.7
 227 64.5 30.9 92.5



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

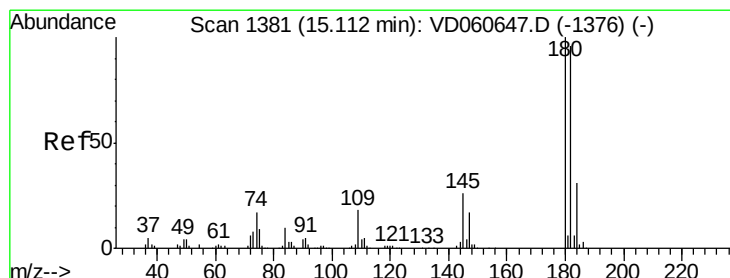
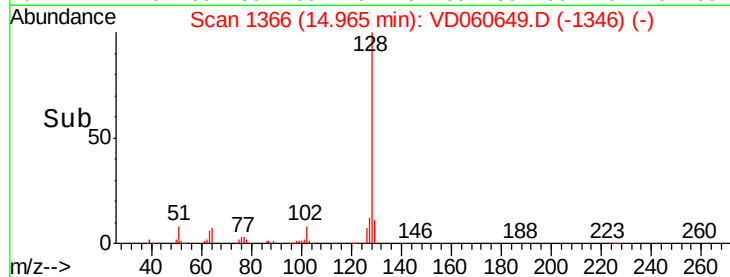
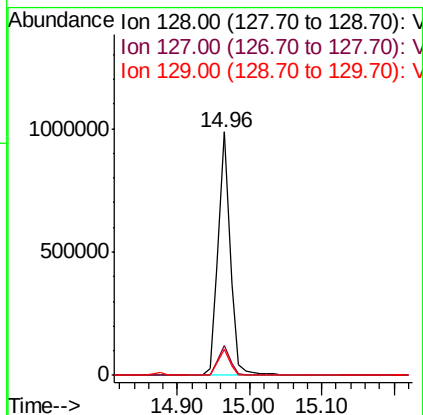
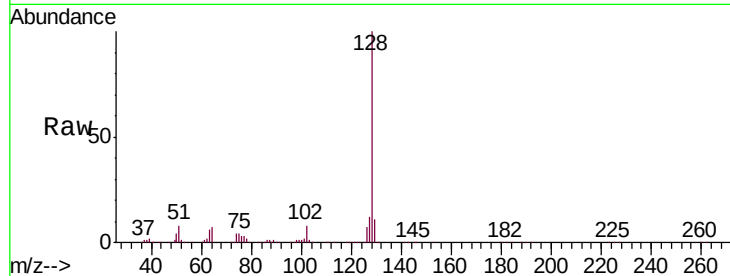




#95
Naphthalene
Concen: 98.845 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1136380
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.0
129 10.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 99.242 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD060649.D
Acq: 19 Dec 2018 20:28

Tgt Ion:180 Resp: 790291
Ion Ratio Lower Upper
180 100
182 97.4 48.1 144.4
145 26.8 13.2 39.6

