

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060555.D
 Acq On : 13 Dec 2018 12:28
 Operator : VA/AP
 Sample : VD1213SBSD01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Quant Time: Dec 14 01:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1657540	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2332032	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1840902	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	936224	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	567635	48.31	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	6.31	113	830184	48.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	9.44	98	2452142	49.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.41	95	851210	47.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	430247	23.836	ug/l	98
3) Chloromethane	1.77	50	388138	22.791	ug/l	99
4) Vinyl Chloride	1.87	62	315997	23.249	ug/l	98
5) Bromomethane	2.16	94	49172	14.461	ug/l	85
6) Chloroethane	2.27	64	74487	15.926	ug/l	100
7) Trichlorofluoromethane	2.51	101	322116	20.525	ug/l	100
8) Diethyl Ether	2.84	74	58581	21.610	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	219230	21.529	ug/l	99
10) Methyl Iodide	3.25	142	246668	20.723	ug/l	100
11) Tert butyl alcohol	3.98	59	48859	102.363	ug/l	97
12) 1,1-Dichloroethene	3.08	96	178239	21.514	ug/l	95
13) Acrolein	2.99	56	50127	96.112	ug/l	91
14) Allyl chloride	3.54	41	344417	21.911	ug/l	97
15) Acrylonitrile	4.09	53	293296	108.219	ug/l	95
16) Acetone	3.16	43	189472	100.612	ug/l	98
17) Carbon Disulfide	3.32	76	565619	21.018	ug/l	100
18) Methyl Acetate	3.55	43	94784	21.177	ug/l	94
19) Methyl tert-butyl Ether	4.13	73	493126	21.463	ug/l	99
20) Methylene Chloride	3.72	84	398453	20.395	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	381989	21.196	ug/l	98
22) Diisopropyl ether	4.84	45	1205692	21.363	ug/l	95
23) Vinyl Acetate	4.79	43	2989498	106.912	ug/l	99
24) 1,1-Dichloroethane	4.75	63	626642	21.373	ug/l	99
25) 2-Butanone	5.61	43	388024	104.729	ug/l	100
26) 2,2-Dichloropropane	5.58	77	495847	21.892	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	396557	21.642	ug/l	97
28) Bromochloromethane	5.92	49	248661	19.145	ug/l	92
29) Tetrahydrofuran	5.95	42	233824	111.447	ug/l	97
30) Chloroform	6.09	83	624560	21.144	ug/l	99
31) Cyclohexane	6.36	56	588623	21.277	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	518494	21.352	ug/l	97
36) 1,1-Dichloropropene	6.51	75	475611	20.865	ug/l	99
37) Ethyl Acetate	5.69	43	201354	20.368	ug/l	98
38) Carbon Tetrachloride	6.49	117	429550	20.990	ug/l	98

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 ClientSampleID :
 VD1213SBS01

Quant Time: Dec 14 01:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	557489	21.453	ug/l	99
40) Benzene	6.78	78	1245776	21.384	ug/l	99
41) Methacrylonitrile	5.94	41	237320	44.532	ug/l #	70
42) 1,2-Dichloroethane	6.88	62	317680	21.447	ug/l	99
43) Isopropyl Acetate	8.33	43	262288	21.493	ug/l #	99
44) Trichloroethene	7.73	130	366189	21.033	ug/l	97
45) 1,2-Dichloropropane	8.08	63	300188	20.834	ug/l	99
46) Dibromomethane	8.20	93	173619	20.856	ug/l	98
47) Bromodichloromethane	8.48	83	417732	21.148	ug/l	98
48) Methyl methacrylate	8.23	41	163400	22.629	ug/l	97
49) 1,4-Dioxane	8.22	88	29304	447.776	ug/l #	90
51) 4-Methyl-2-Pentanone	9.32	43	810717	106.799	ug/l	100
52) Toluene	9.53	92	789722	21.688	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	350686	21.607	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	454982	21.336	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	213058	21.011	ug/l	99
56) Ethyl methacrylate	10.01	69	195309	21.282	ug/l	99
57) 1,3-Dichloropropane	10.36	76	330459	21.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	602401	109.706	ug/l	99
59) 2-Hexanone	10.47	43	573363	108.060	ug/l	97
60) Dibromochloromethane	10.62	129	269139	21.229	ug/l	98
61) 1,2-Dibromoethane	10.74	107	219761	21.266	ug/l	98
64) Tetrachloroethene	10.24	164	339526	20.829	ug/l	99
65) Chlorobenzene	11.30	112	838534	21.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	278999	22.226	ug/l	96
67) Ethyl Benzene	11.42	91	1474512	22.197	ug/l	99
68) m/p-Xylenes	11.56	106	1081350	44.000	ug/l	97
69) o-Xylene	11.92	106	513770	21.936	ug/l	93
70) Styrene	11.94	104	823674	21.910	ug/l	95
71) Bromoform	12.11	173	168298	20.096	ug/l #	94
73) Isopropylbenzene	12.26	105	1402897	21.176	ug/l	99
74) N-amyl acetate	12.13	43	342869	21.414	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	222381	20.967	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	220554	20.791	ug/l	99
77) Bromobenzene	12.53	156	370676	21.286	ug/l	95
78) n-propylbenzene	12.63	91	1819147	21.722	ug/l	99
79) 2-Chlorotoluene	12.70	91	989046	21.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	1106744	21.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	61714	20.859	ug/l	99
82) 4-Chlorotoluene	12.80	91	1105795	21.665	ug/l	91
83) tert-Butylbenzene	13.03	119	1254302	22.098	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	1134679	21.647	ug/l	99
85) sec-Butylbenzene	13.21	105	1533312	21.674	ug/l	97
86) p-Isopropyltoluene	13.33	119	1198591	21.373	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	657639	20.857	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	662067	21.404	ug/l	94
89) n-Butylbenzene	13.63	91	1293556	20.774	ug/l	97
90) Hexachloroethane	13.85	117	291378	20.723	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	570347	22.135	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.21	75	27341	21.275	ug/l	98

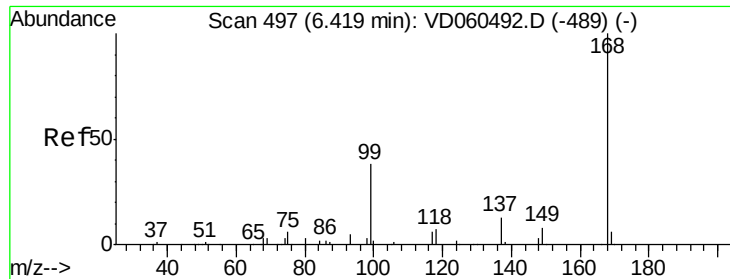
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	419340	20.818	ug/l	98
94) Hexachlorobutadiene	14.87	225	308498	20.758	ug/l	100
95) Naphthalene	14.96	128	504290	21.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	333614	20.786	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

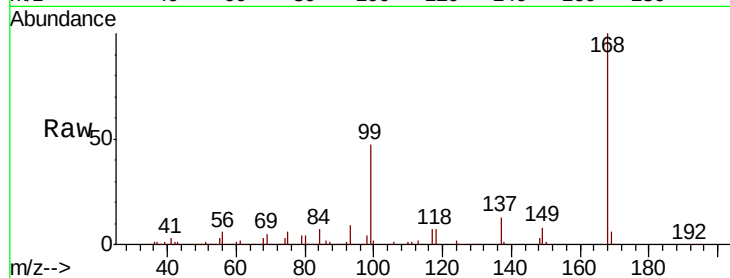
VD1213SBSD01

Tgt Ion:168 Resp: 1657540

Ion Ratio Lower Upper

168 100

99 47.1 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.40

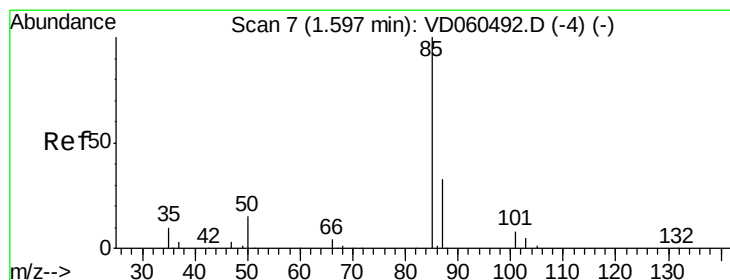
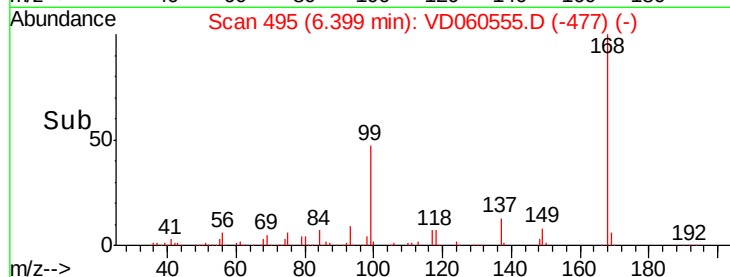
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 23.836 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060555.D

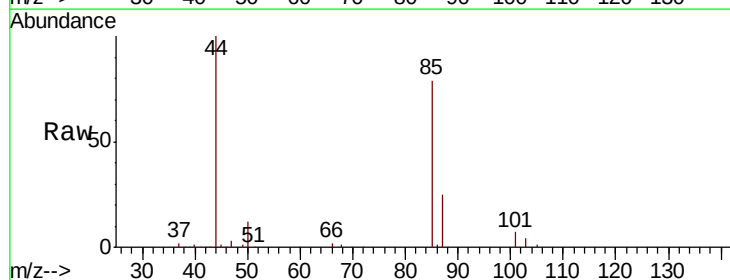
Acq: 13 Dec 2018 12:28

Tgt Ion: 85 Resp: 430247

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.61

200000

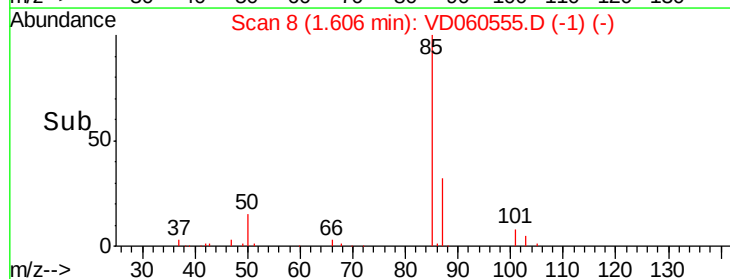
150000

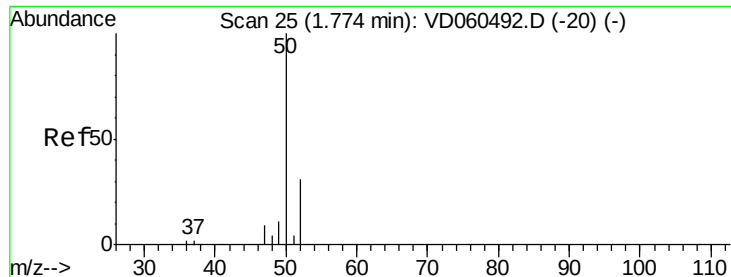
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 22.791 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

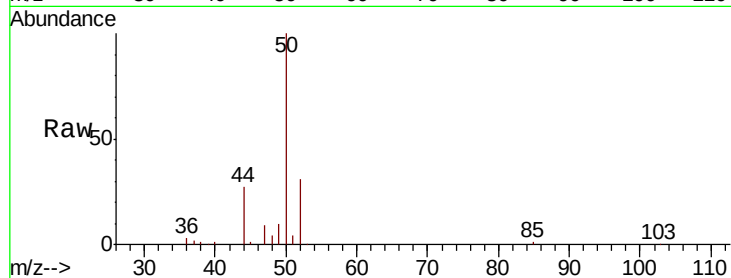
VD1213SBSD01

Tgt Ion: 50 Resp: 388138

Ion Ratio Lower Upper

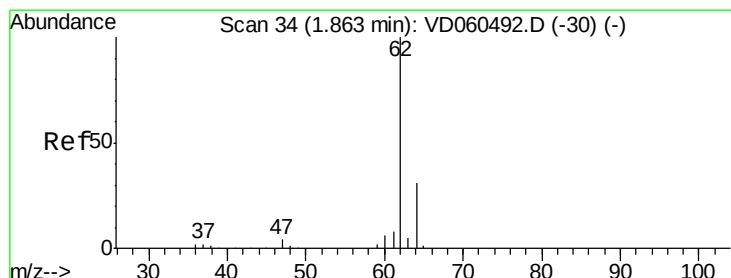
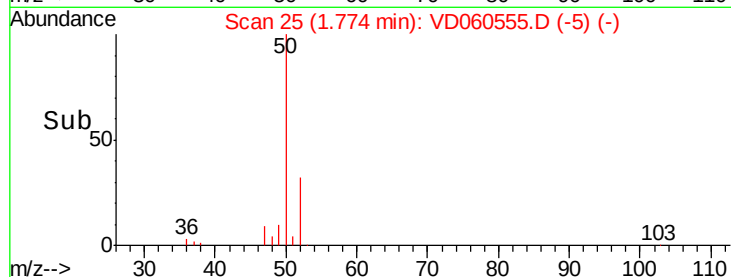
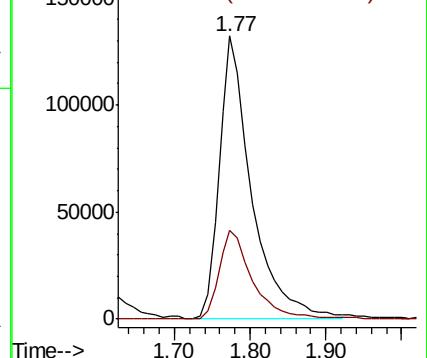
50 100

52 31.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.249 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060555.D

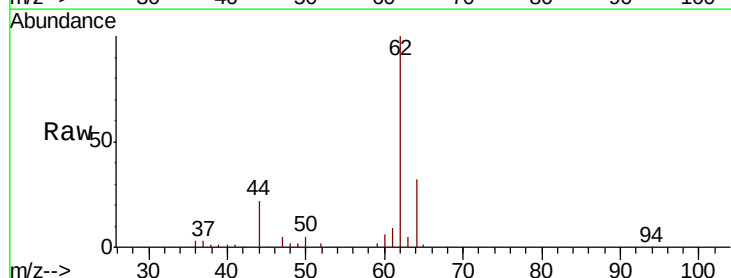
Acq: 13 Dec 2018 12:28

Tgt Ion: 62 Resp: 315997

Ion Ratio Lower Upper

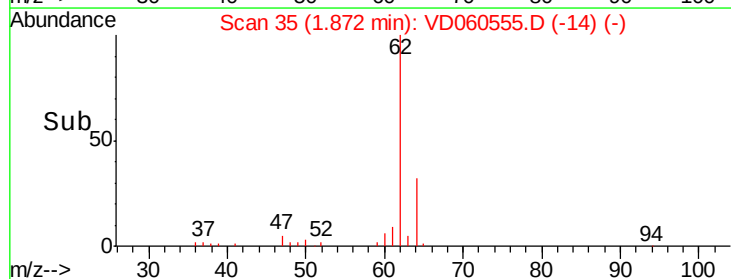
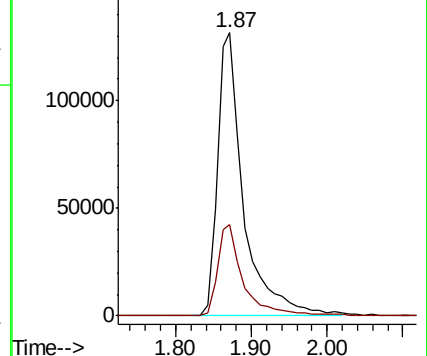
62 100

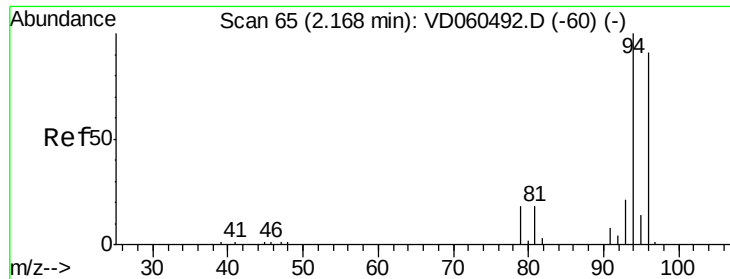
64 32.1 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.461 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

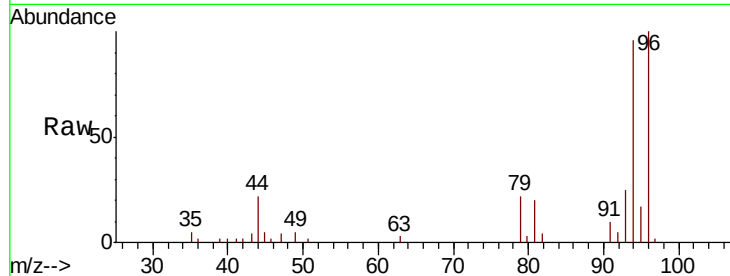
VD1213SBSD01

Tgt Ion: 94 Resp: 49172

Ion Ratio Lower Upper

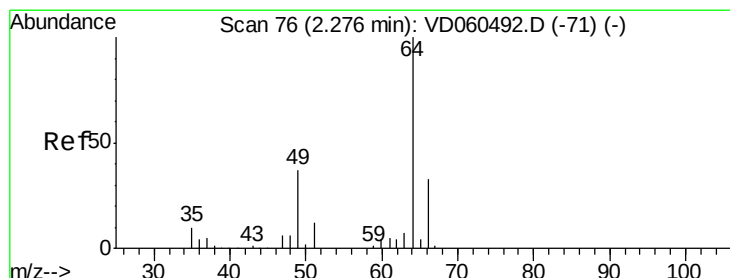
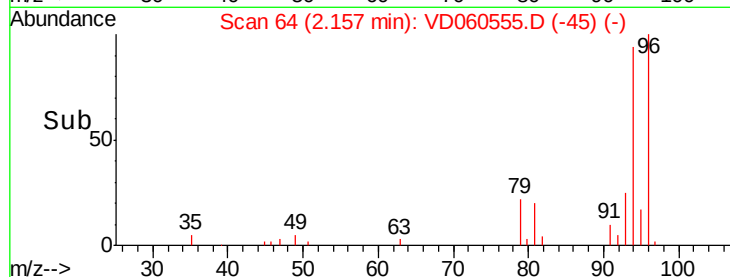
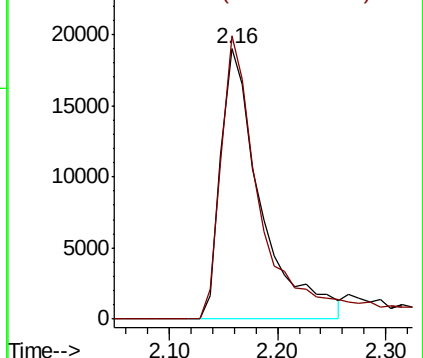
94 100

96 104.7 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.926 ug/l

RT: 2.27 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060555.D

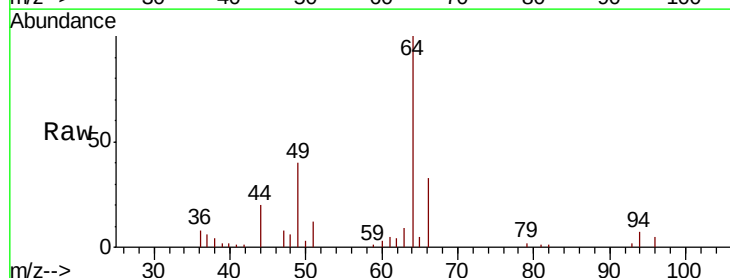
Acq: 13 Dec 2018 12:28

Tgt Ion: 64 Resp: 74487

Ion Ratio Lower Upper

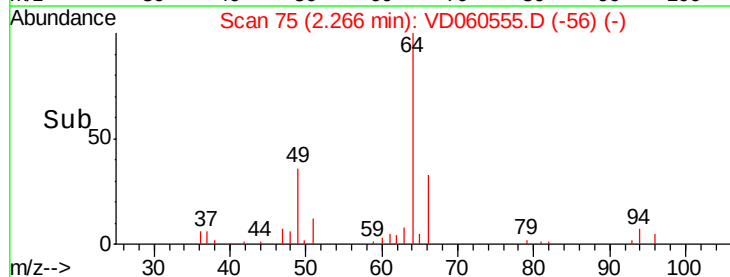
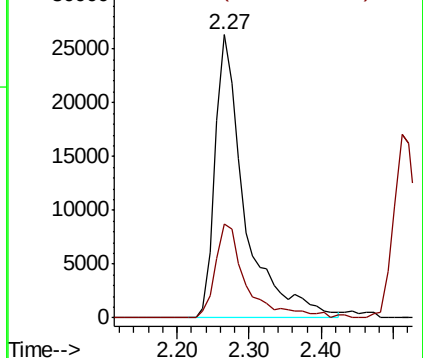
64 100

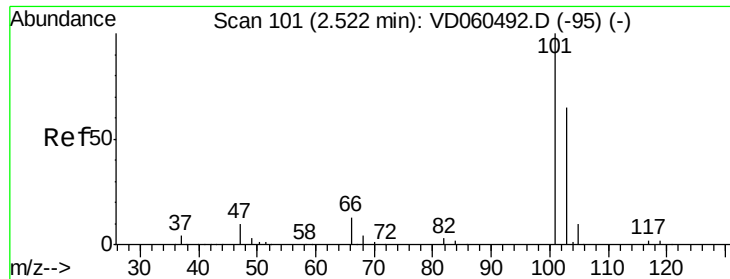
66 33.1 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



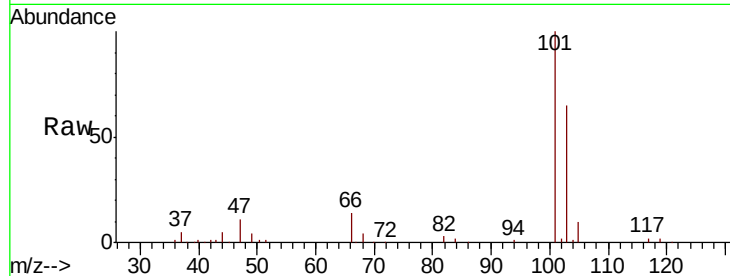


#7

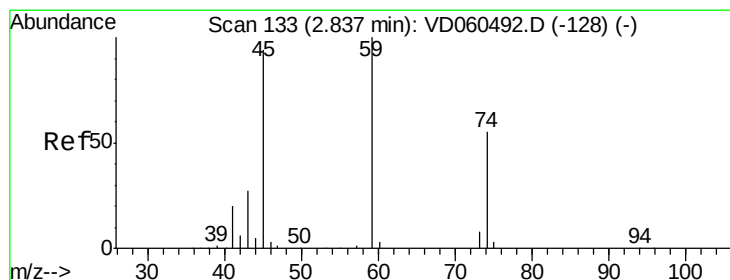
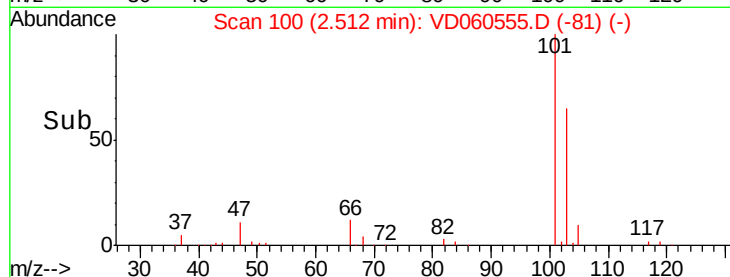
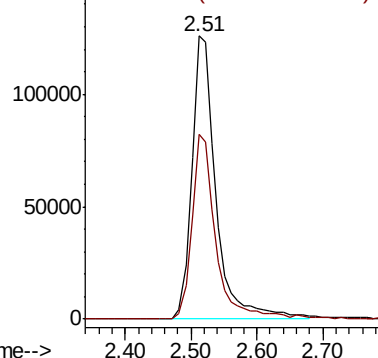
Trichlorofluoromethane
 Concen: 20.525 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tgt Ion: 101 Resp: 322116
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.8



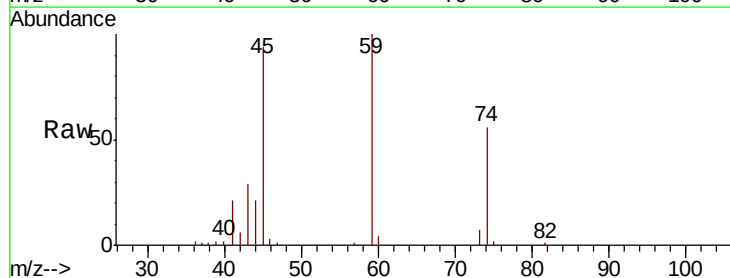
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



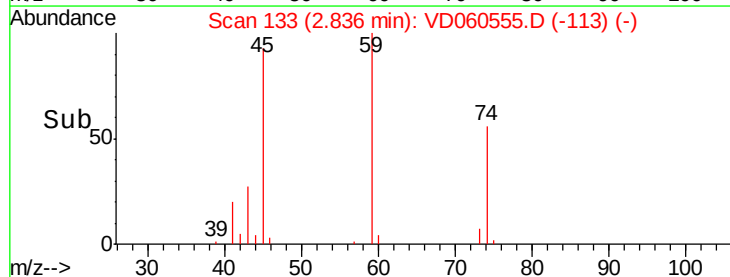
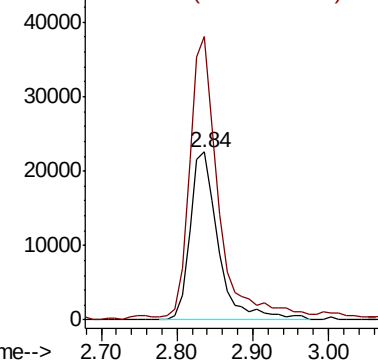
#8

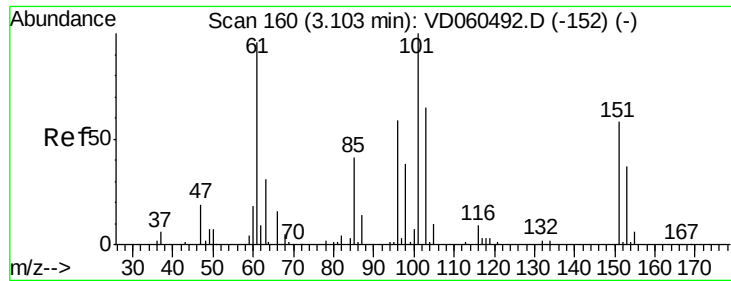
Diethyl Ether
 Concen: 21.610 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 74 Resp: 58581
 Ion Ratio Lower Upper
 74 100
 45 168.9 86.0 258.0



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: 21.529 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

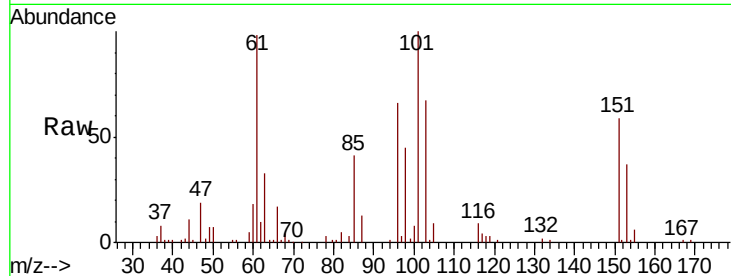
Tgt Ion:101 Resp: 219230

Ion Ratio Lower Upper

101 100

85 41.3 32.7 49.1

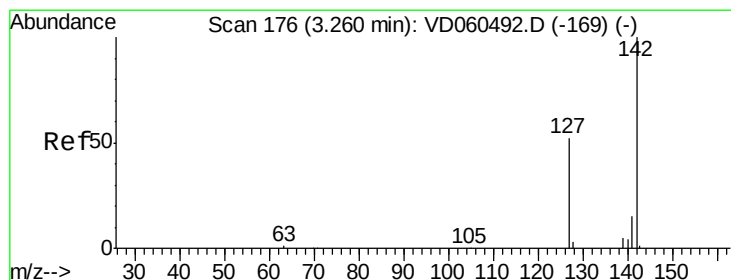
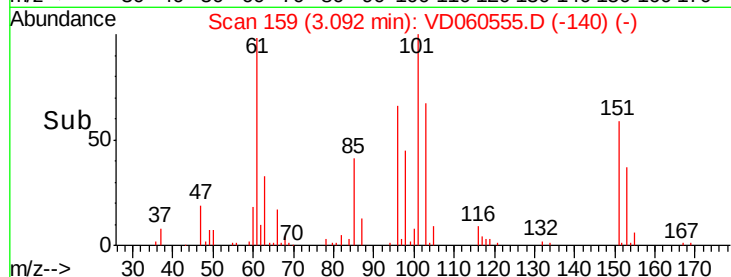
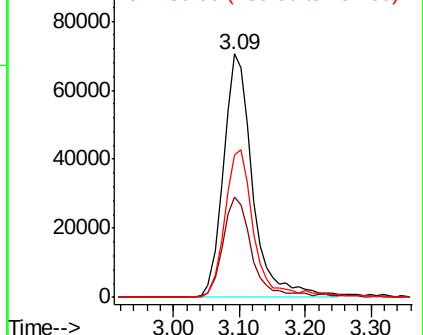
151 58.7 46.6 69.8



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: 20.723 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

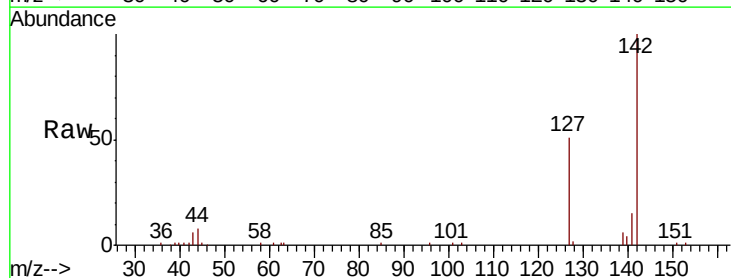
Tgt Ion:142 Resp: 246668

Ion Ratio Lower Upper

142 100

127 51.2 41.2 61.8

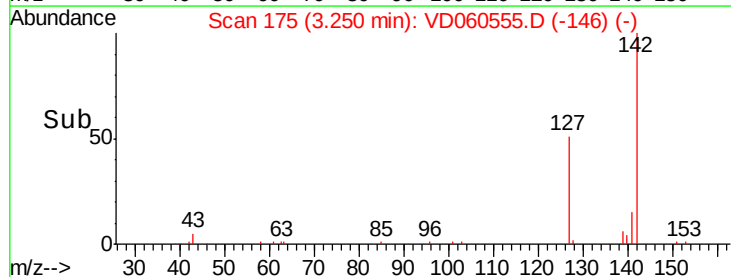
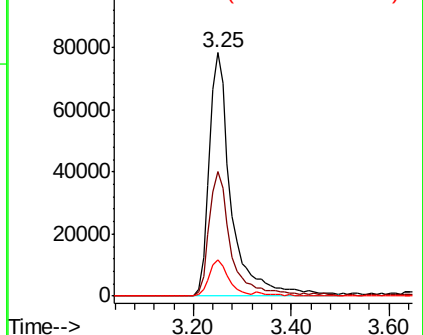
141 14.9 11.9 17.9

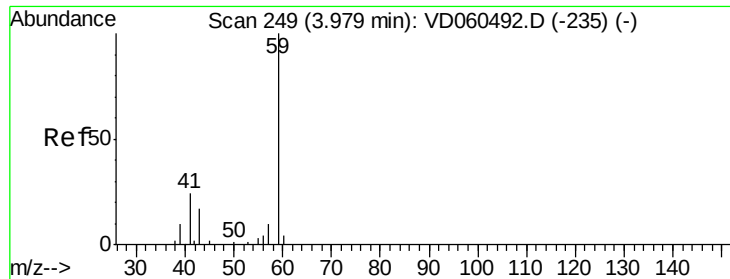


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

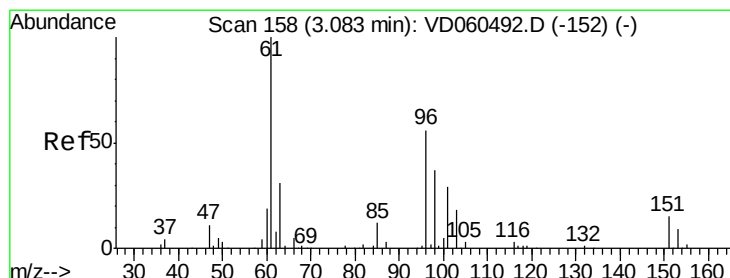
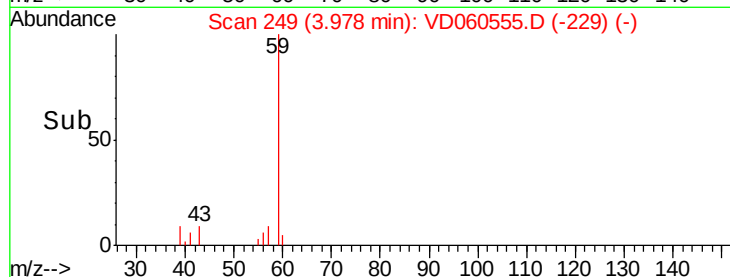
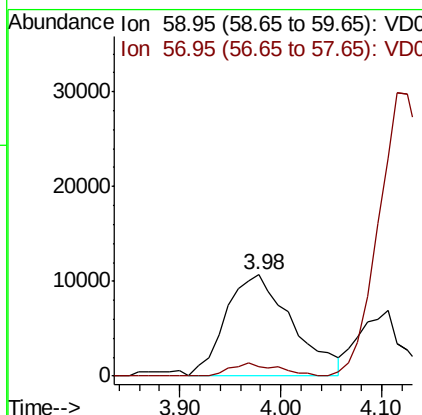
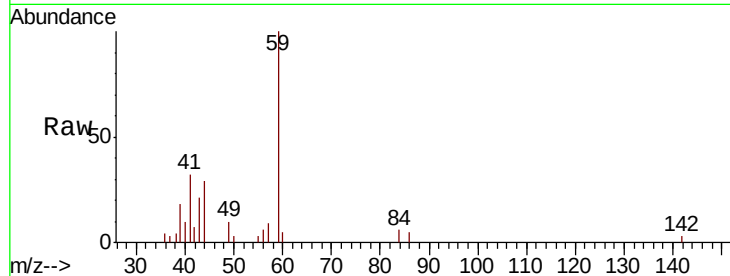




#11
Tert butyl alcohol
Concen: 102.363 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

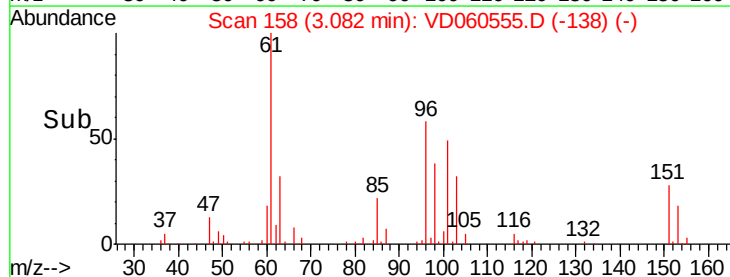
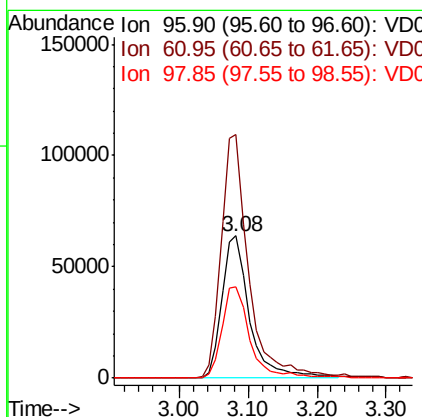
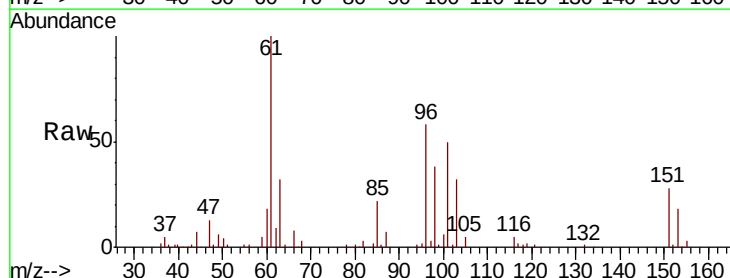
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

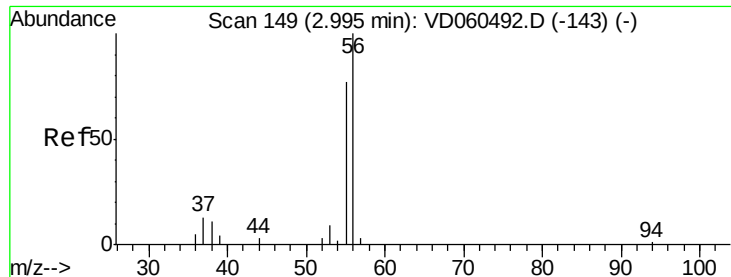
Tgt Ion: 59 Resp: 48859
Ion Ratio Lower Upper
59 100
57 8.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 21.514 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 96 Resp: 178239
Ion Ratio Lower Upper
96 100
61 171.5 143.0 214.4
98 64.4 53.4 80.0





#13

Acrolein

Concen: 96.112 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

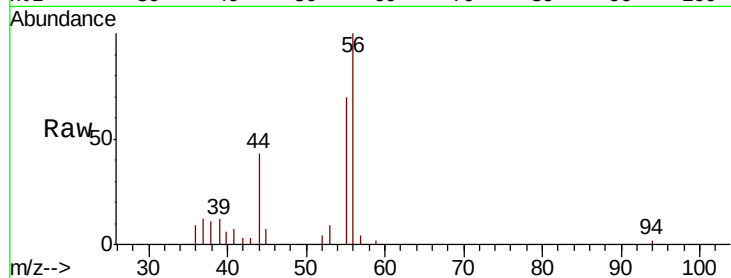
VD1213SBS01

Tgt Ion: 56 Resp: 50127

Ion Ratio Lower Upper

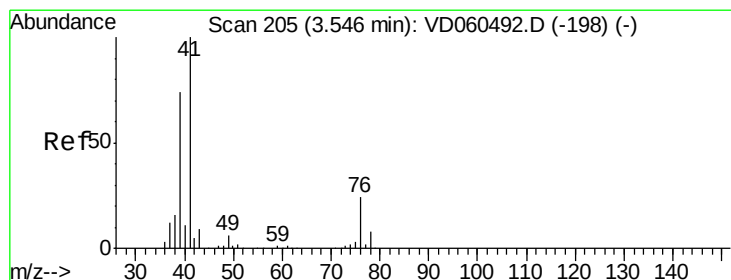
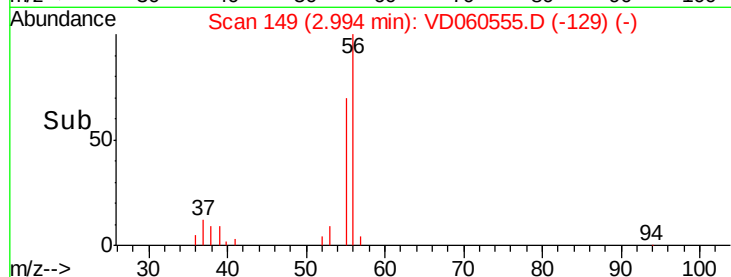
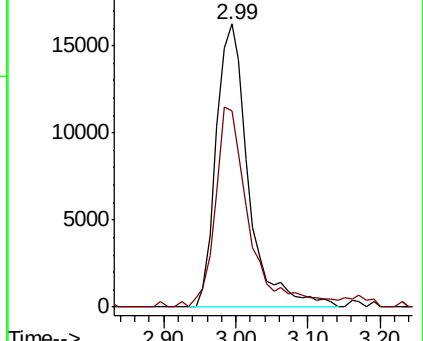
56 100

55 69.5 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.911 ug/l

RT: 3.54 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

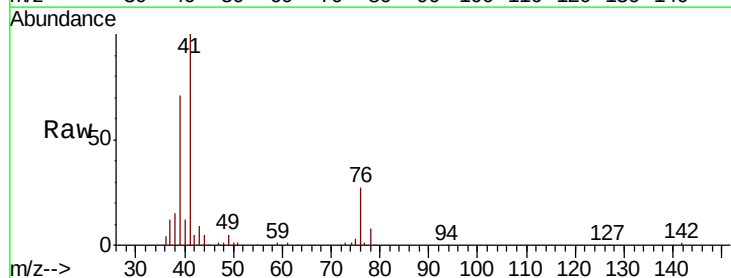
Tgt Ion: 41 Resp: 344417

Ion Ratio Lower Upper

41 100

39 71.2 59.3 88.9

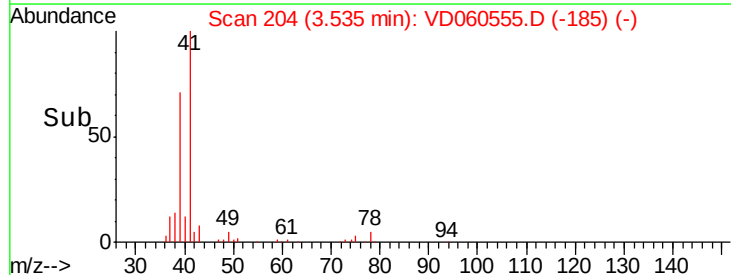
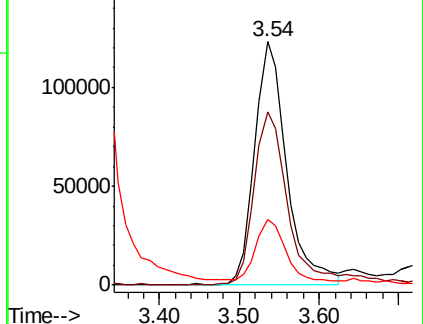
76 26.9 21.0 31.6

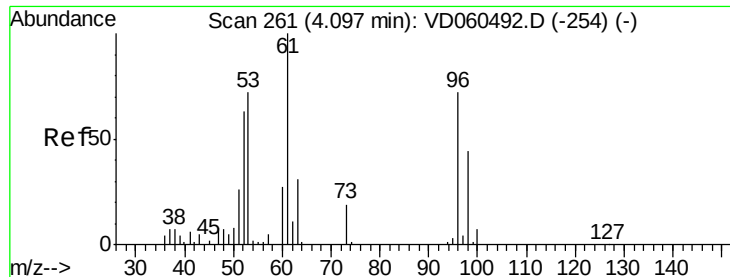


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.219 ug/l

RT: 4.09 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

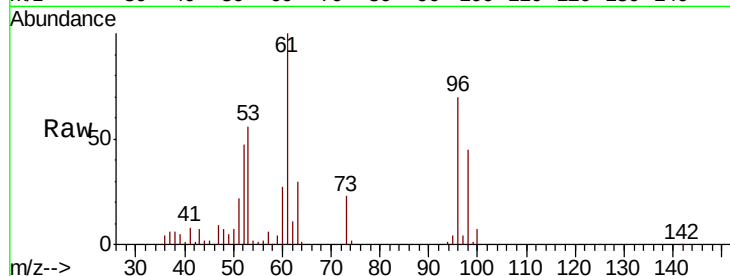
Tgt Ion: 53 Resp: 293296

Ion Ratio Lower Upper

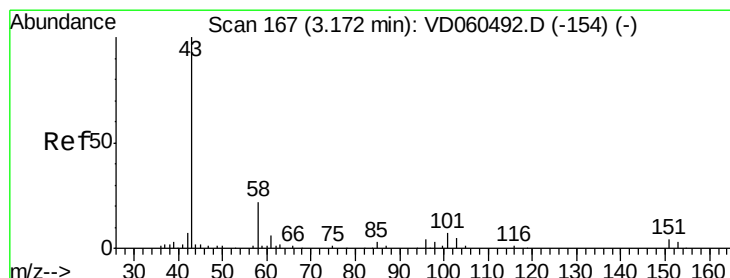
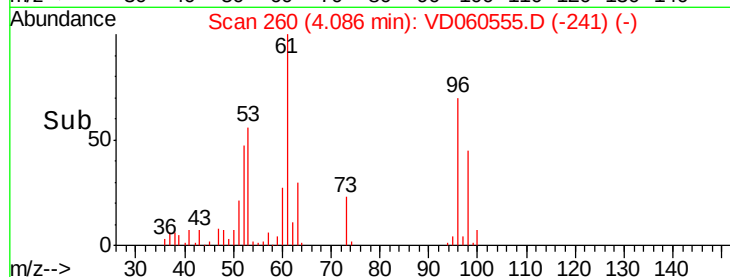
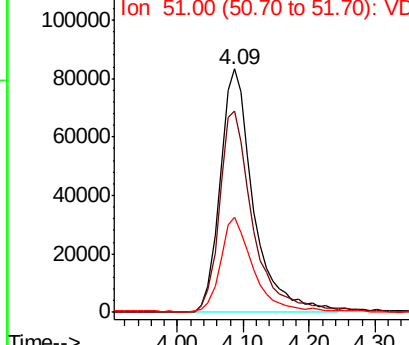
53 100

52 82.9 70.0 105.0

51 39.2 28.8 43.2



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: 100.612 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060555.D

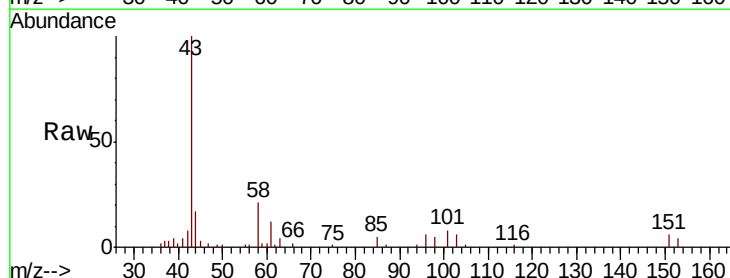
Acq: 13 Dec 2018 12:28

Tgt Ion: 43 Resp: 189472

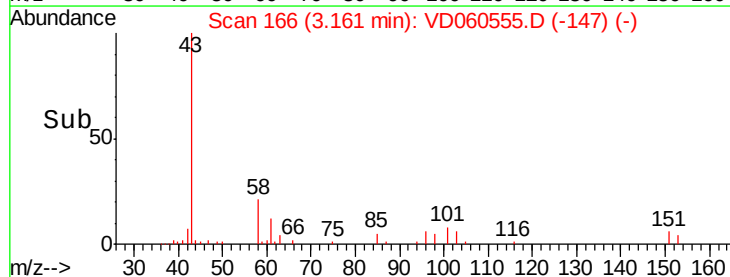
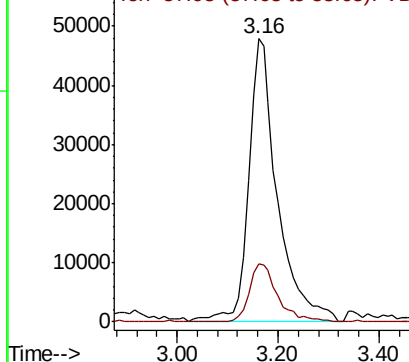
Ion Ratio Lower Upper

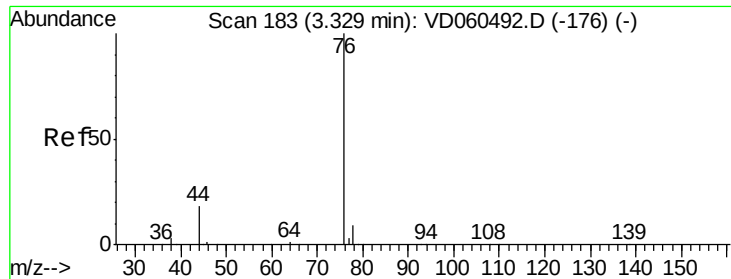
43 100

58 20.7 17.3 25.9



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





#17

Carbon Disulfide

Concen: 21.018 ug/l

RT: 3.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

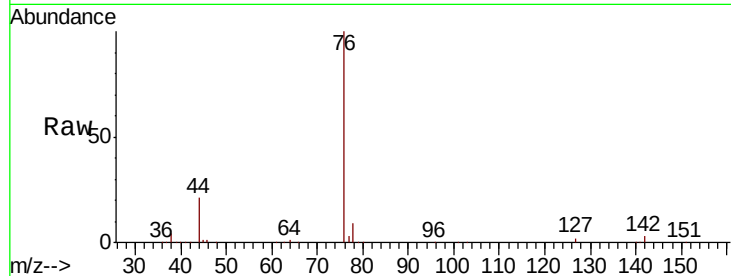
VD1213SBSD01

Tgt Ion: 76 Resp: 565619

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.32

200000

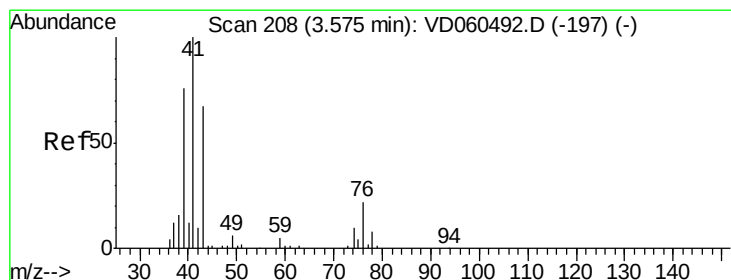
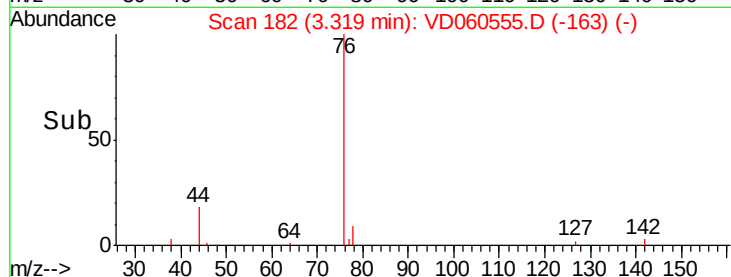
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.177 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.02 min

Lab File: VD060555.D

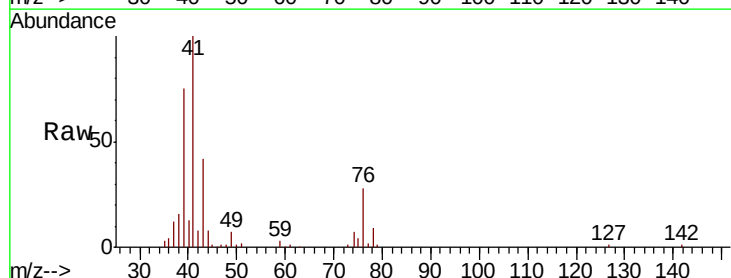
Acq: 13 Dec 2018 12:28

Tgt Ion: 43 Resp: 94784

Ion Ratio Lower Upper

43 100

74 17.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.55

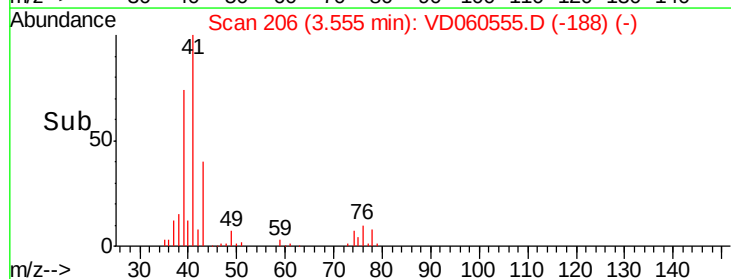
30000

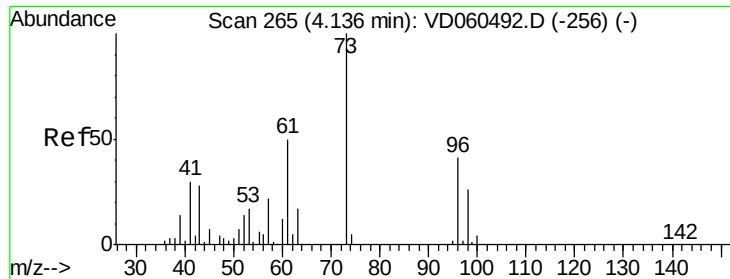
20000

10000

0

Time-->



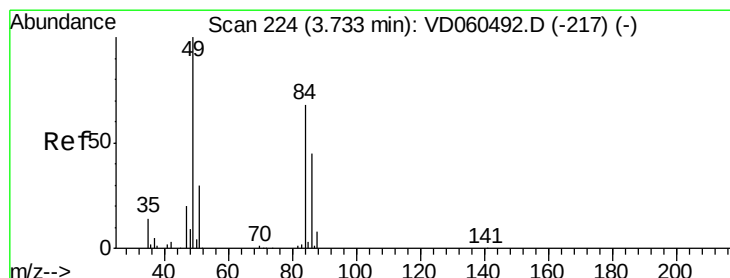
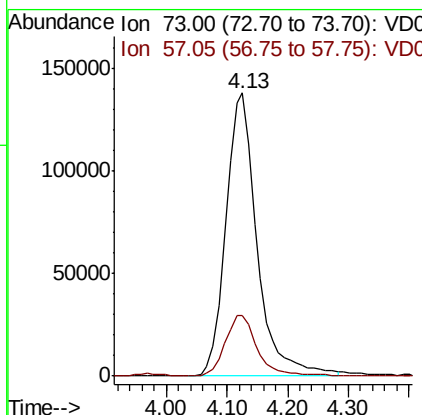
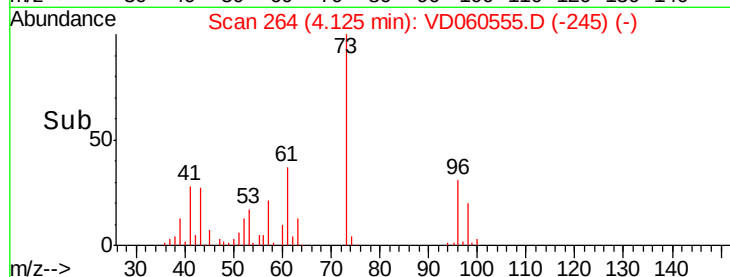
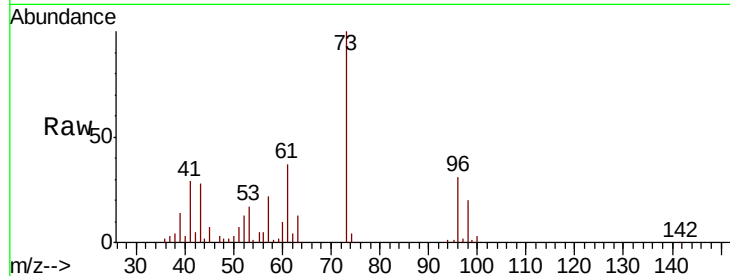


#19

Methyl tert-butyl Ether
 Concen: 21.463 ug/l
 RT: 4.13 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

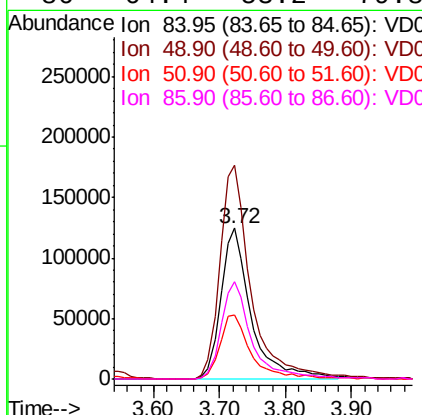
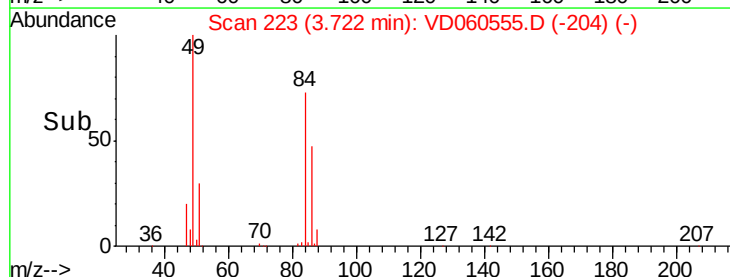
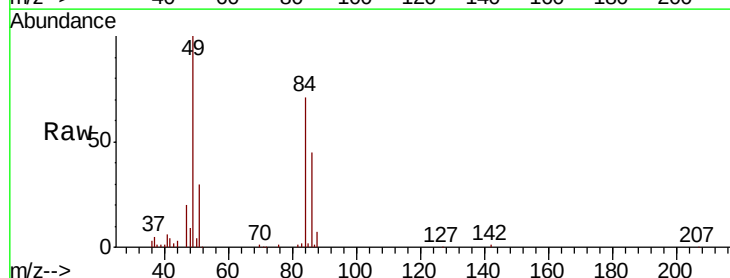
Tgt Ion: 73 Resp: 493126
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.8 26.6

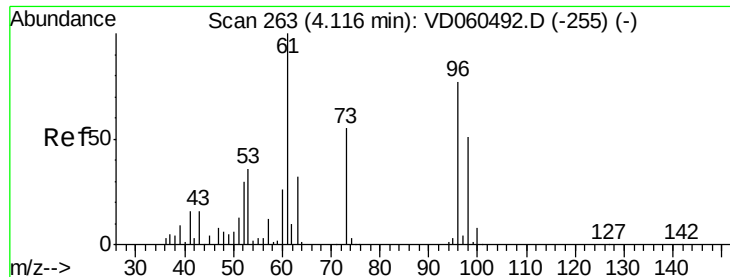


#20

Methylene Chloride
 Concen: 20.395 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 84 Resp: 398453
 Ion Ratio Lower Upper
 84 100
 49 141.6 117.2 175.8
 51 42.1 35.3 52.9
 86 64.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.196 ug/l

RT: 4.10 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

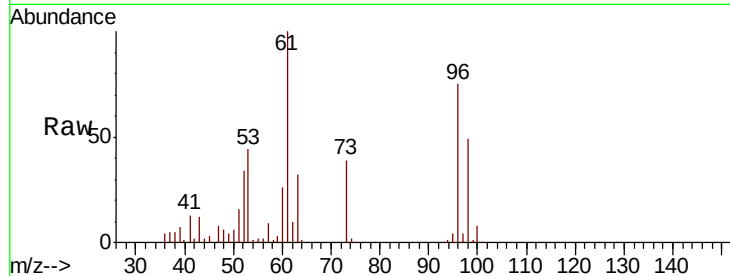
Tgt Ion: 96 Resp: 381989

Ion Ratio Lower Upper

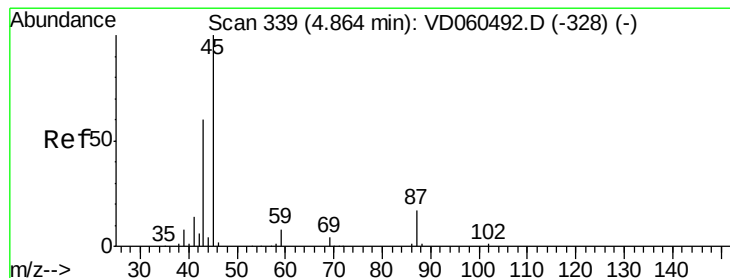
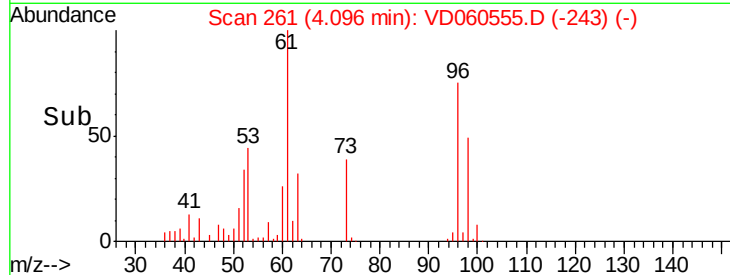
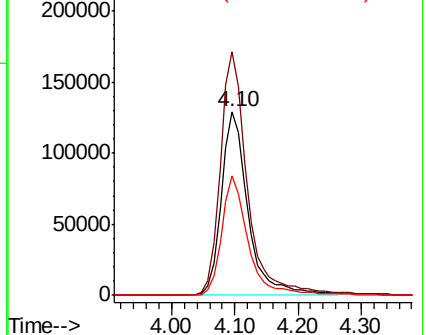
96 100

61 132.6 104.2 156.4

98 65.1 52.8 79.2



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



#22

Diisopropyl ether

Concen: 21.363 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Tgt Ion: 45 Resp: 1205692

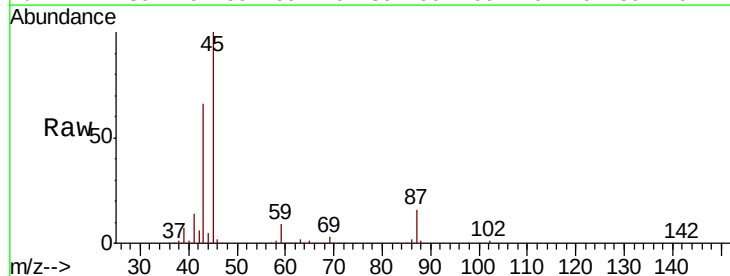
Ion Ratio Lower Upper

45 100

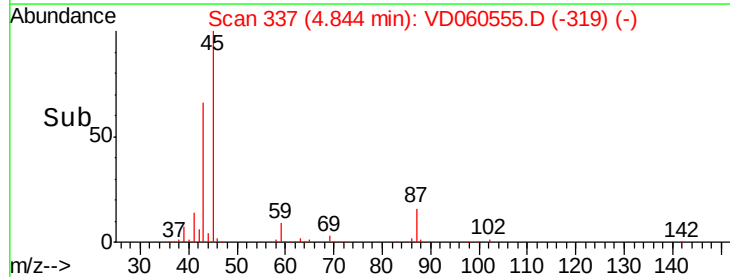
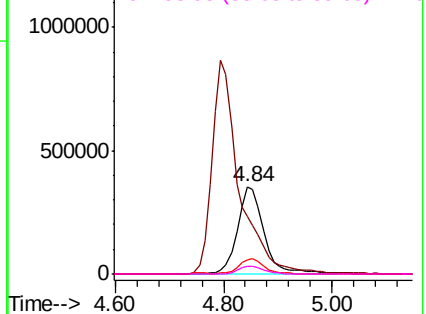
43 65.6 48.6 73.0

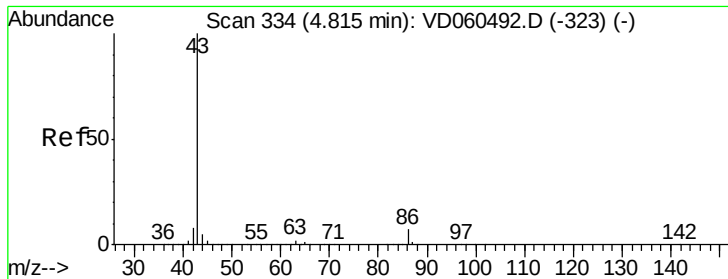
87 15.7 14.0 21.0

59 8.6 6.9 10.3



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: 106.912 ug/l

RT: 4.79 min Scan# 332

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

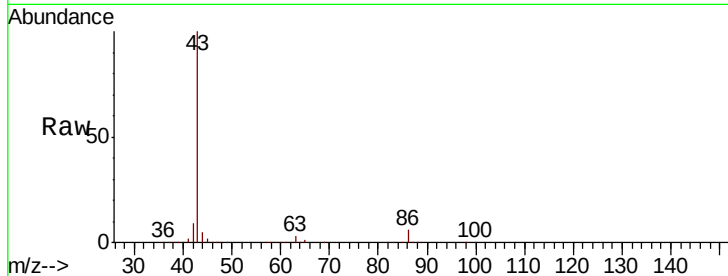
VD1213SBSD01

Tgt Ion: 43 Resp: 2989498

Ion Ratio Lower Upper

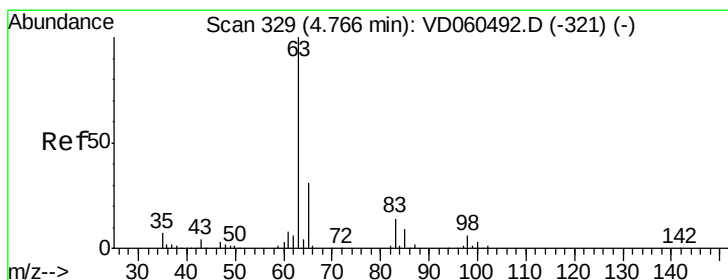
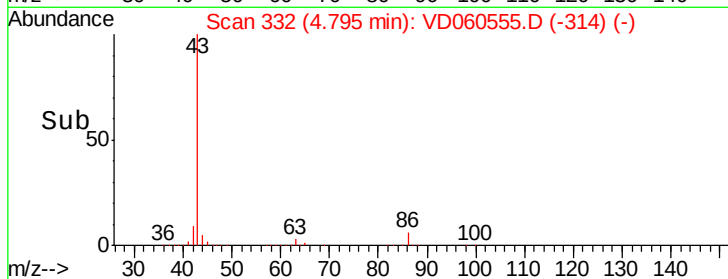
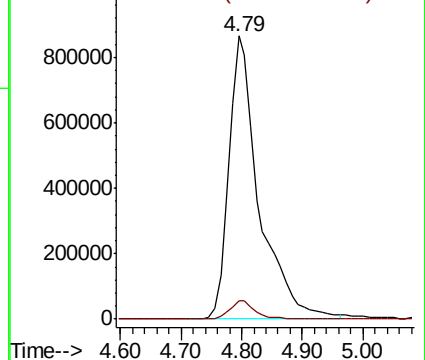
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.373 ug/l

RT: 4.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

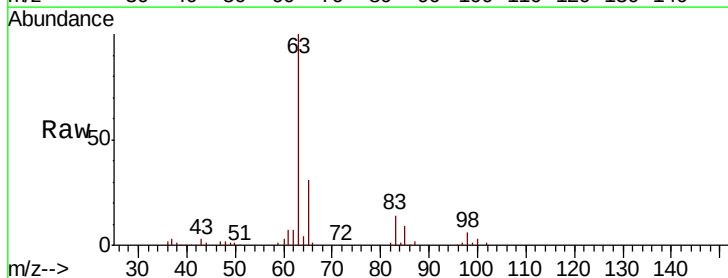
Tgt Ion: 63 Resp: 626642

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

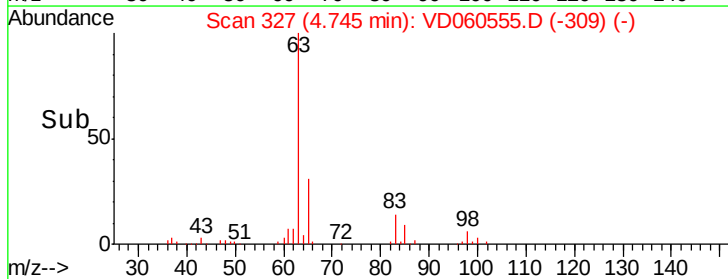
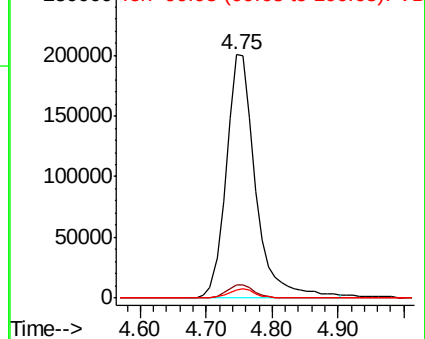
100 3.1 1.7 5.1

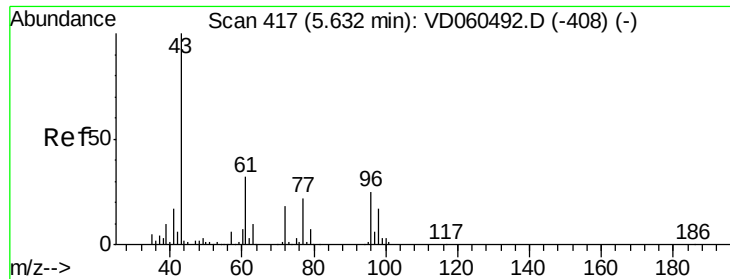


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.729 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

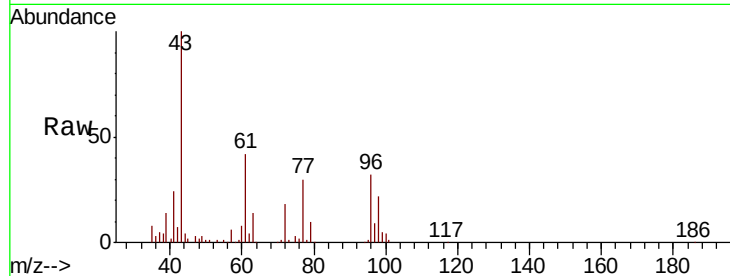
VD1213SBS01

Tgt Ion: 43 Resp: 388024

Ion Ratio Lower Upper

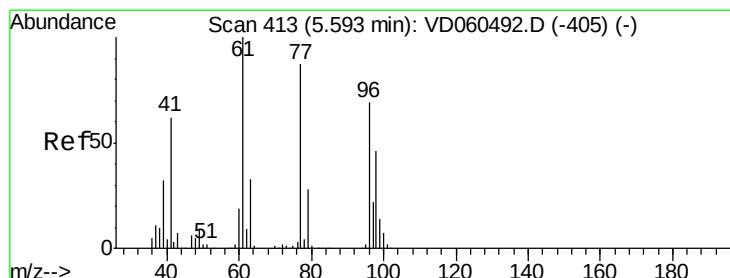
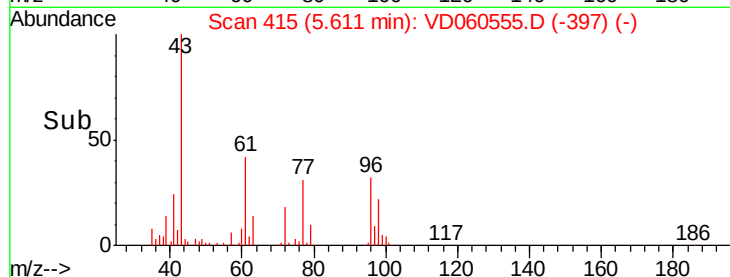
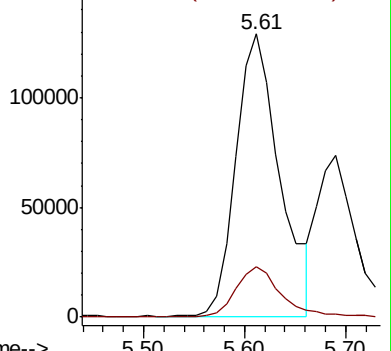
43 100

72 18.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.892 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060555.D

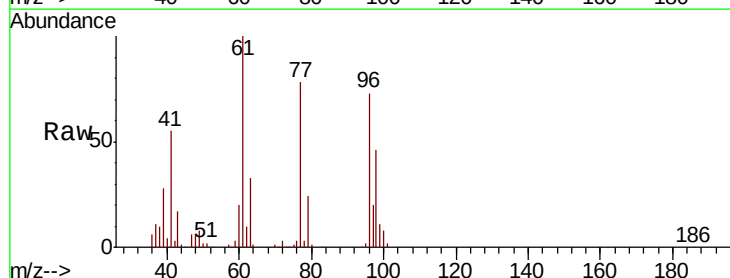
Acq: 13 Dec 2018 12:28

Tgt Ion: 77 Resp: 495847

Ion Ratio Lower Upper

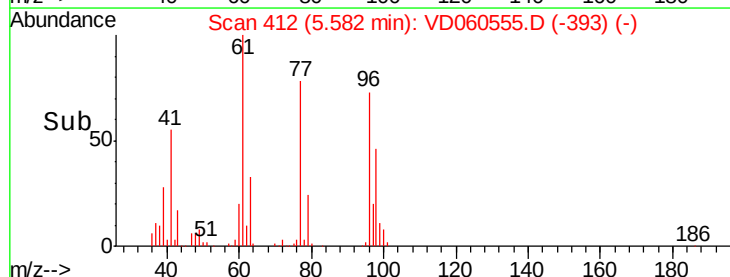
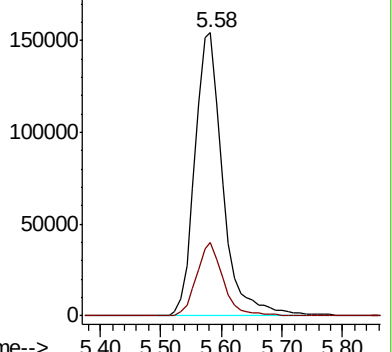
77 100

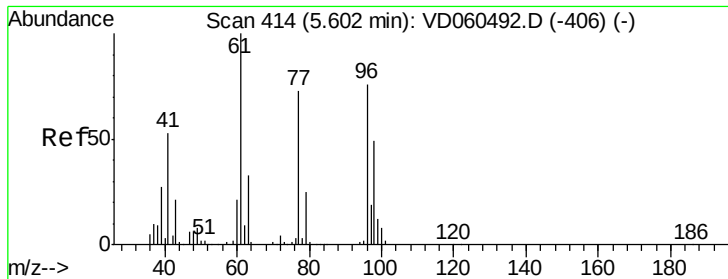
97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



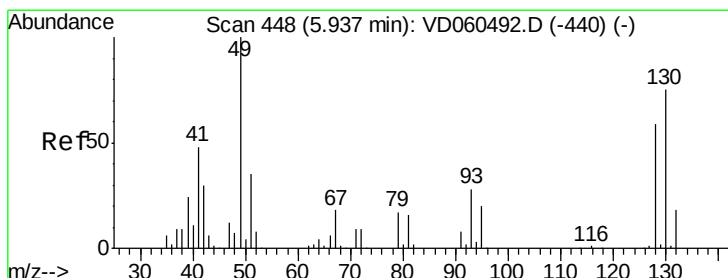
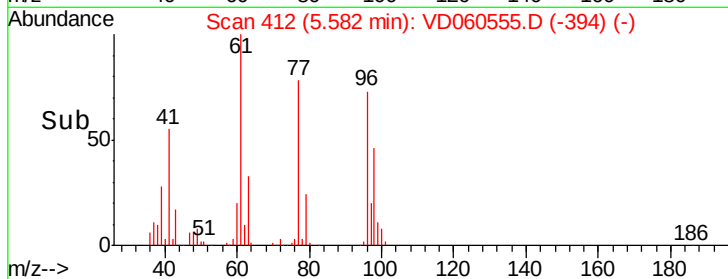
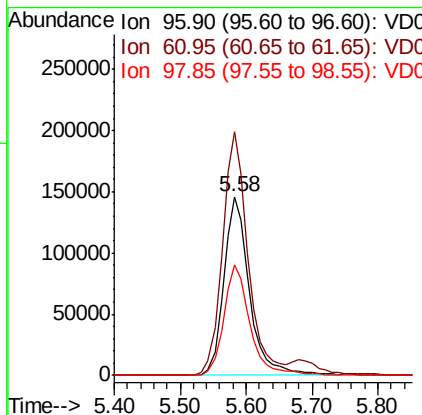
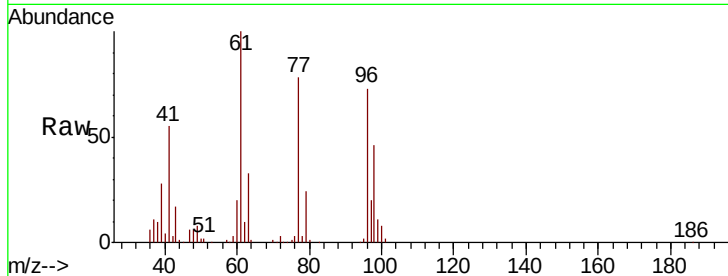


#27

cis-1,2-Dichloroethene
Concen: 21.642 ug/l
RT: 5.58 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

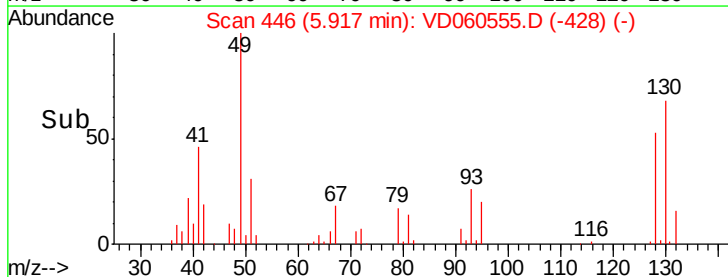
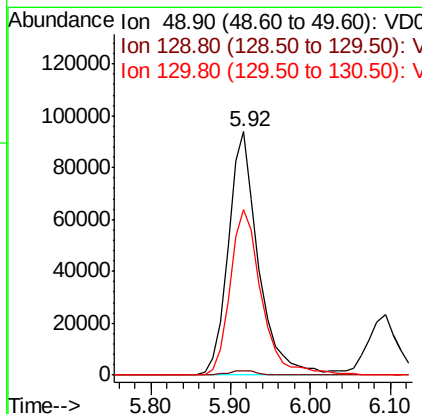
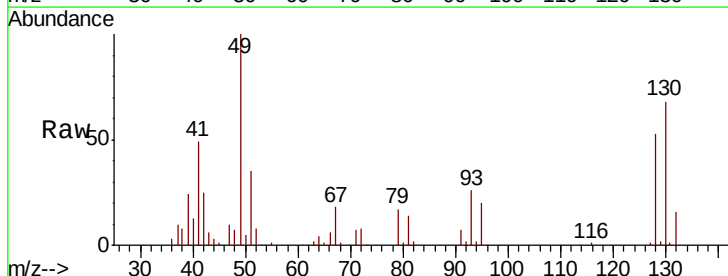
Tgt Ion: 96 Resp: 396557
Ion Ratio Lower Upper
96 100
61 136.3 0.0 263.6
98 62.2 0.0 128.2

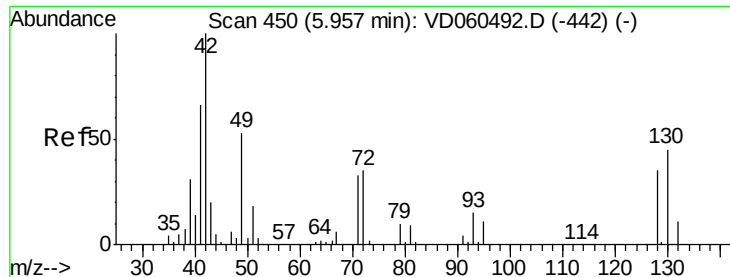


#28

Bromochloromethane
Concen: 19.145 ug/l
RT: 5.92 min Scan# 446
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 49 Resp: 248661
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 68.0 59.8 89.6





#29

Tetrahydrofuran

Concen: 111.447 ug/l

RT: 5.95 min Scan# 449

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

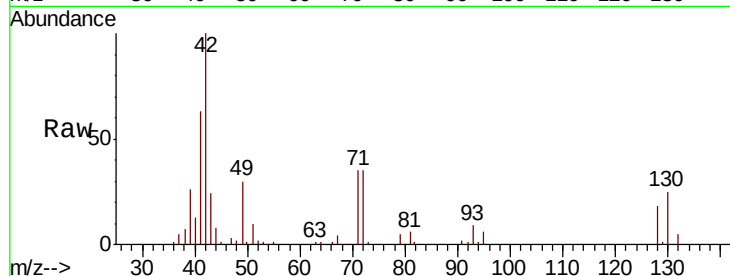
Tgt Ion: 42 Resp: 233824

Ion Ratio Lower Upper

42 100

72 32.7 28.0 42.0

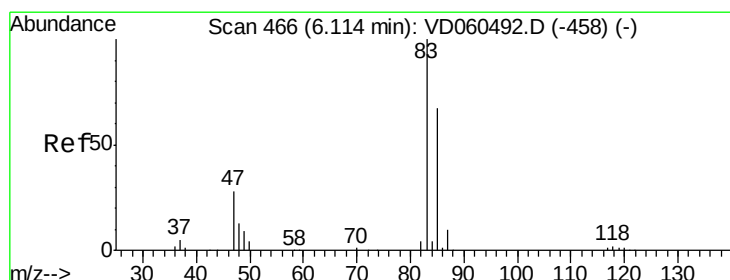
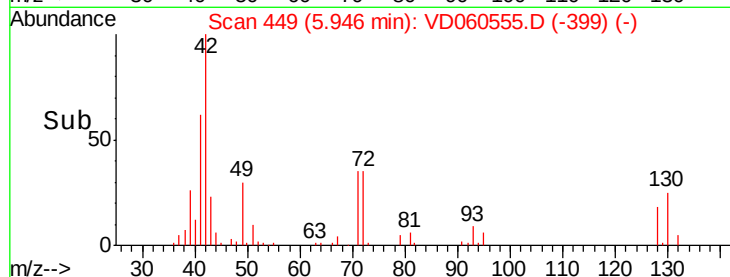
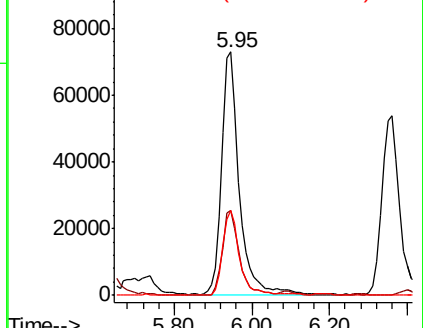
71 32.4 27.2 40.8



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: 21.144 ug/l

RT: 6.09 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD060555.D

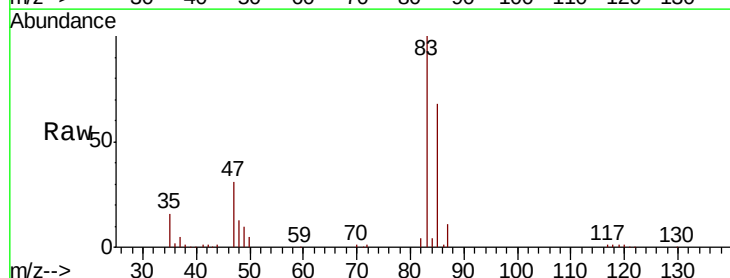
Acq: 13 Dec 2018 12:28

Tgt Ion: 83 Resp: 624560

Ion Ratio Lower Upper

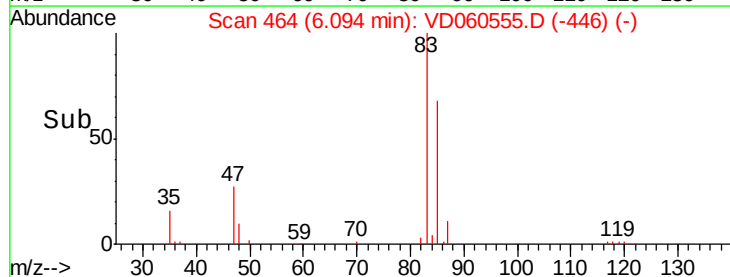
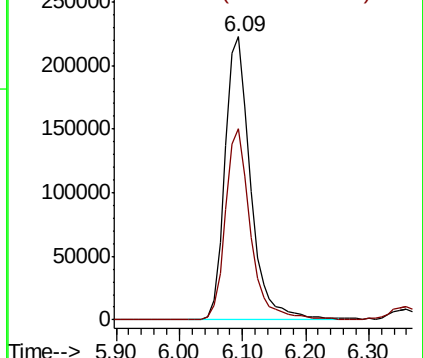
83 100

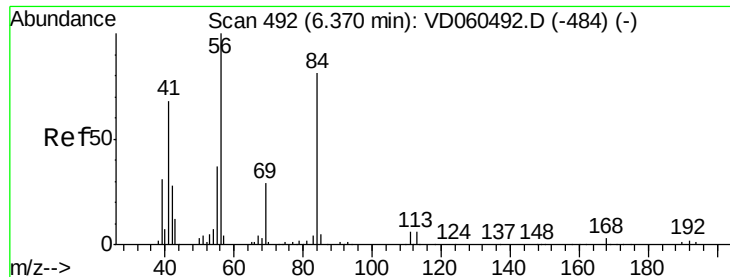
85 67.5 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

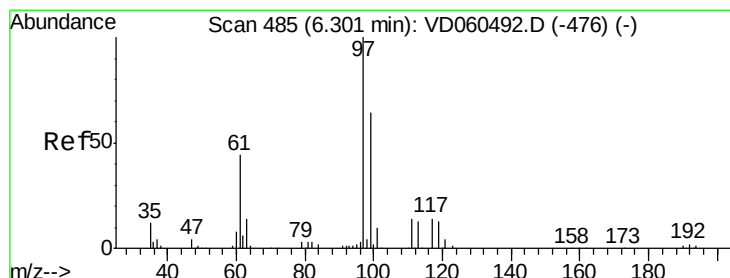
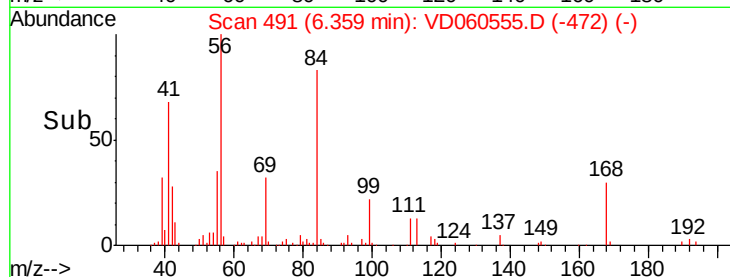
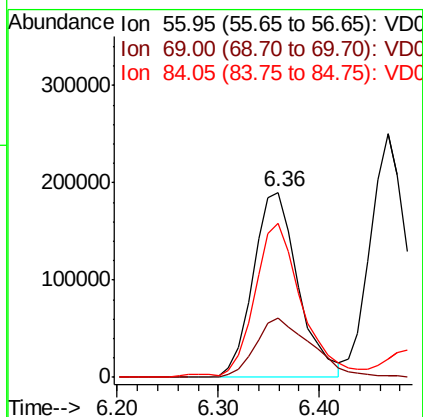
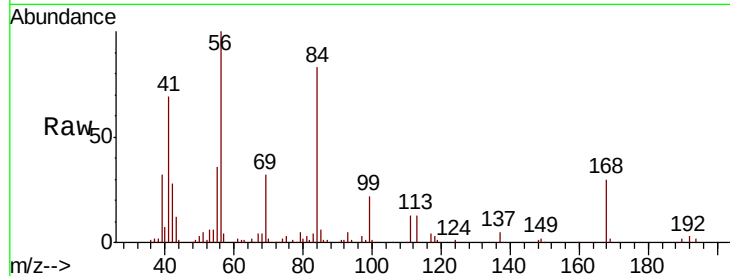




#31
Cyclohexane
Concen: 21.277 ug/l
RT: 6.36 min Scan# 491
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

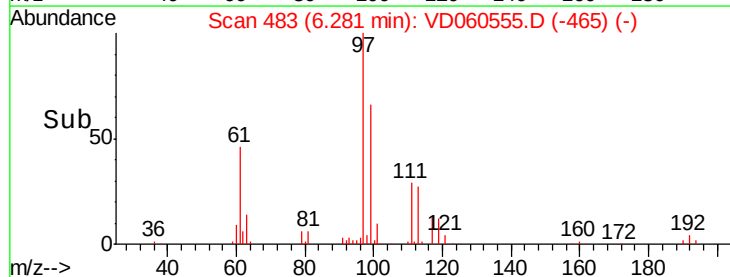
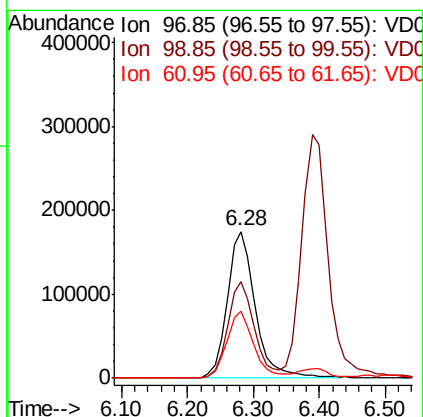
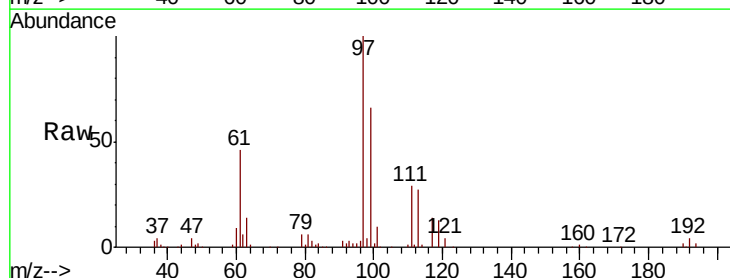
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

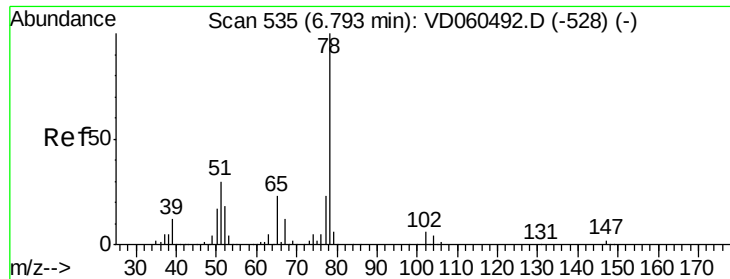
Tgt Ion: 56 Resp: 588623
Ion Ratio Lower Upper
56 100
69 32.3 22.8 34.2
84 83.1 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.352 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 97 Resp: 518494
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.4
61 46.0 35.3 52.9

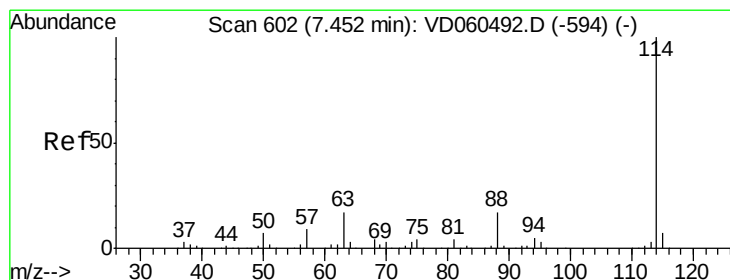
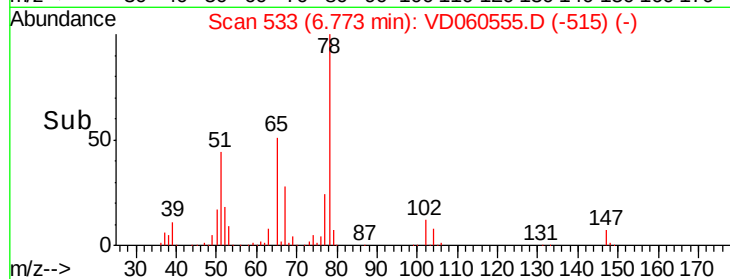
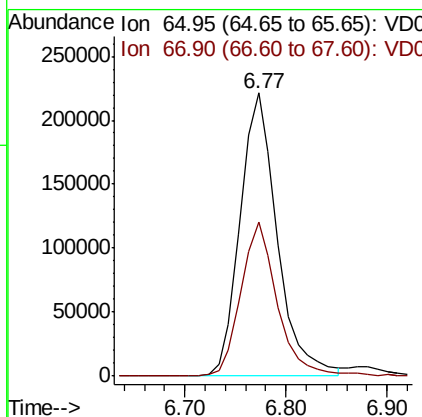
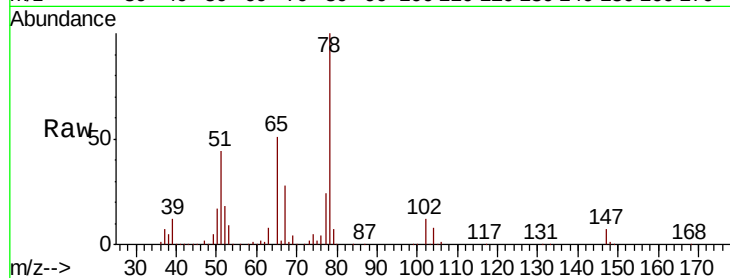




#33
 1,2-Dichloroethane-d4
 Concen: 21.352 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

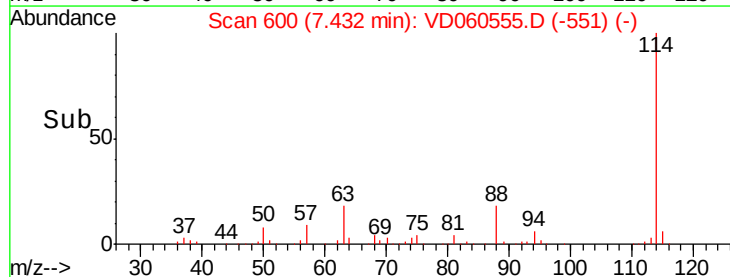
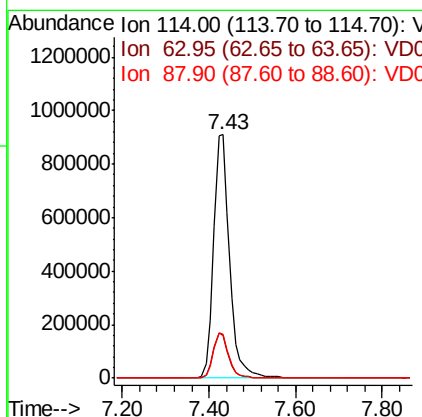
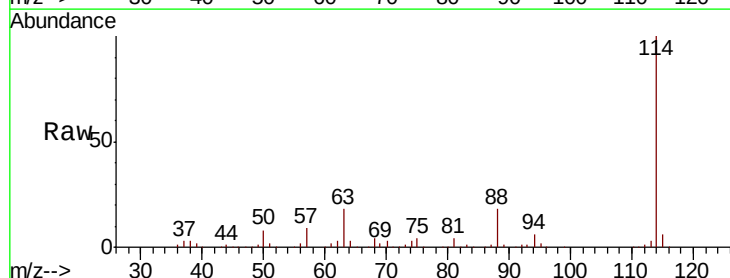
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

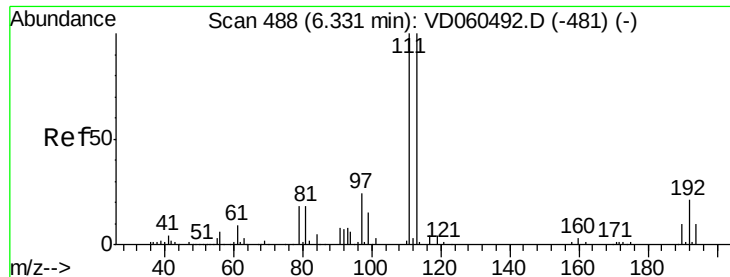
Tgt Ion: 65 Resp: 567635
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 114 Resp: 2332032
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

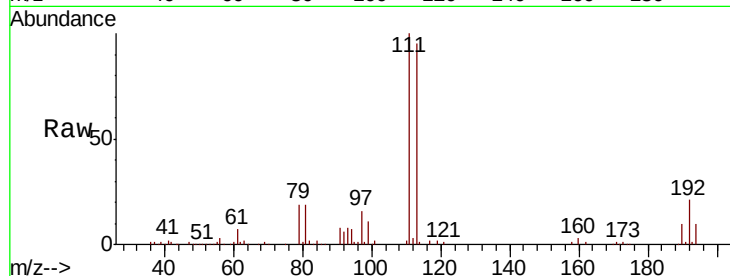
Tgt Ion:113 Resp: 830184

Ion Ratio Lower Upper

113 100

111 105.0 80.2 120.4

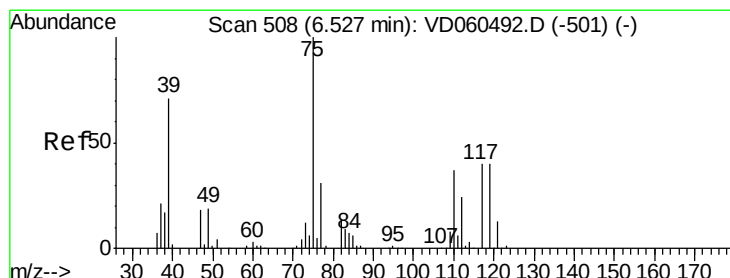
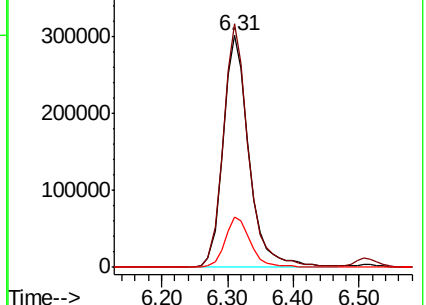
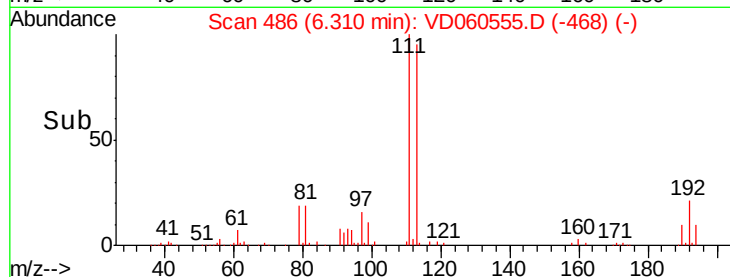
192 21.8 16.6 24.8



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: 20.865 ug/l

RT: 6.51 min Scan# 506

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

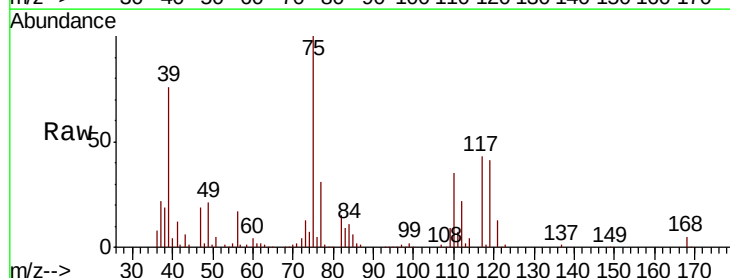
Tgt Ion: 75 Resp: 475611

Ion Ratio Lower Upper

75 100

110 35.3 18.3 54.8

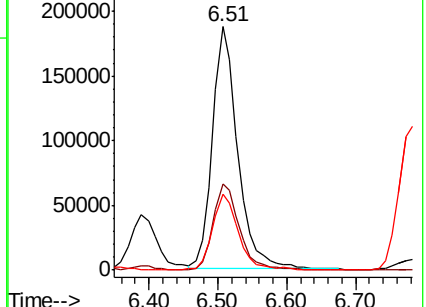
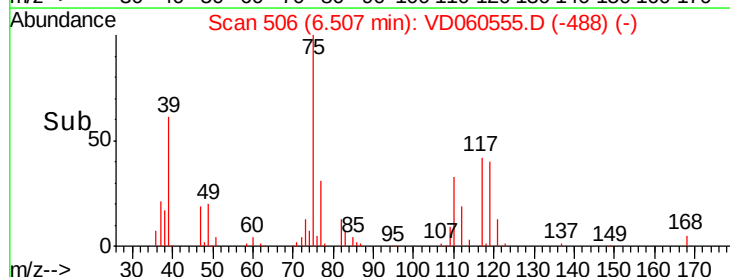
77 31.0 24.6 37.0

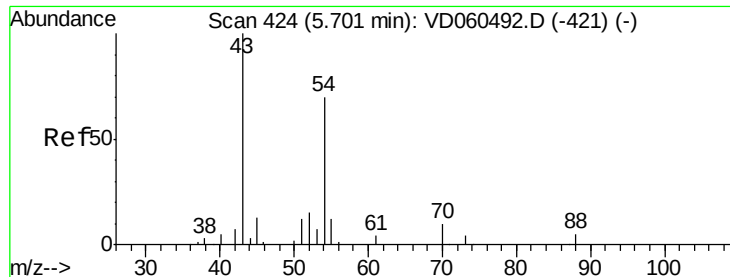


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

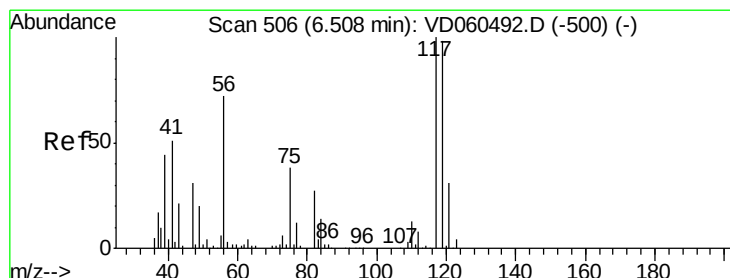
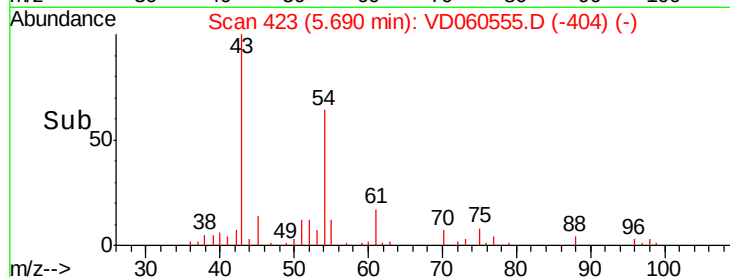
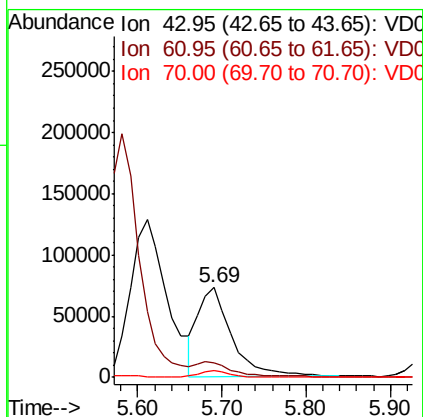
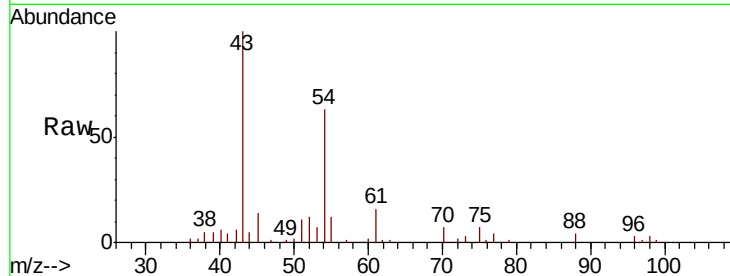




#37
Ethyl Acetate
Concen: 20.368 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

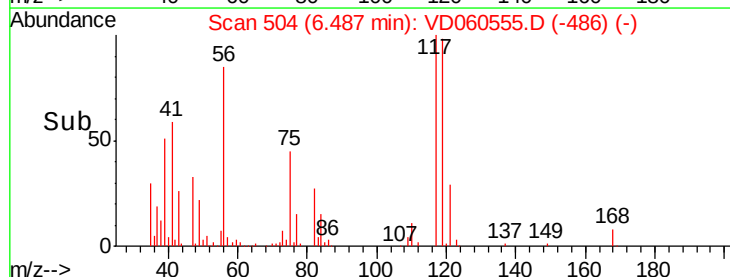
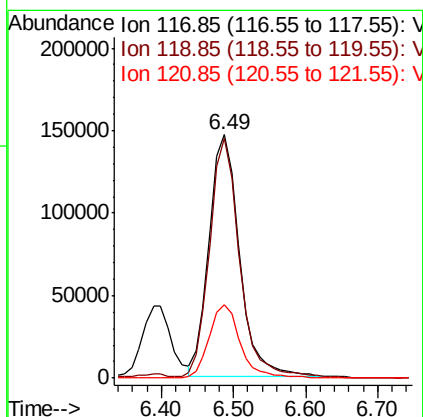
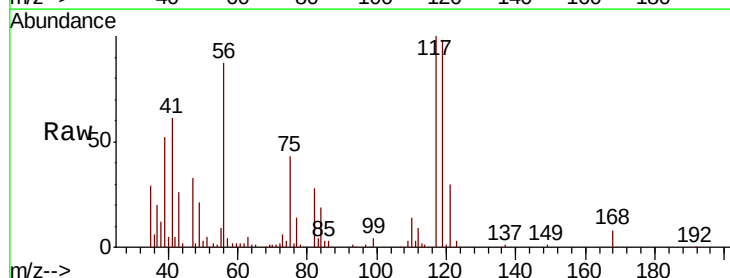
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

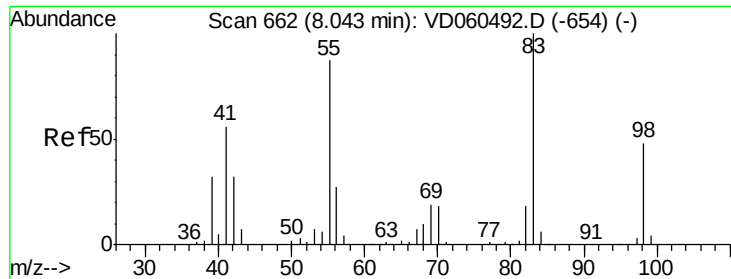
Tgt Ion: 43 Resp: 201354
Ion Ratio Lower Upper
43 100
61 16.4 12.4 18.6
70 7.4 5.4 8.0



#38
Carbon Tetrachloride
Concen: 20.990 ug/l
RT: 6.49 min Scan# 504
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 117 Resp: 429550
Ion Ratio Lower Upper
117 100
119 98.4 76.8 115.2
121 30.1 24.4 36.6

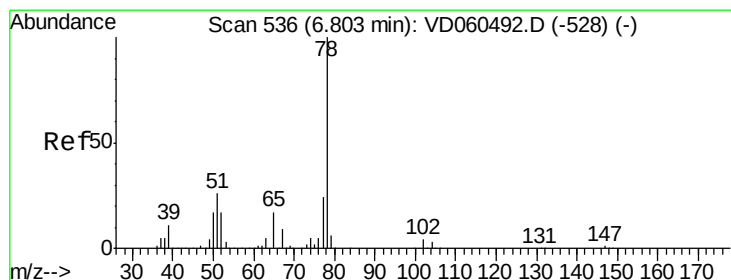
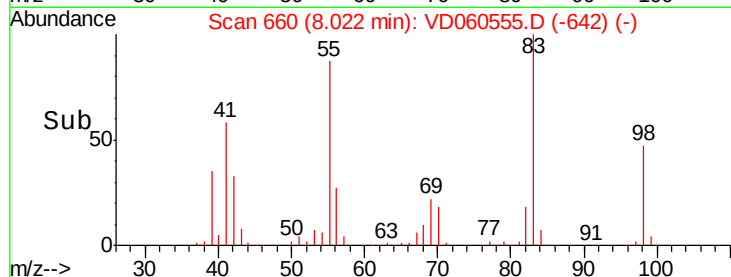
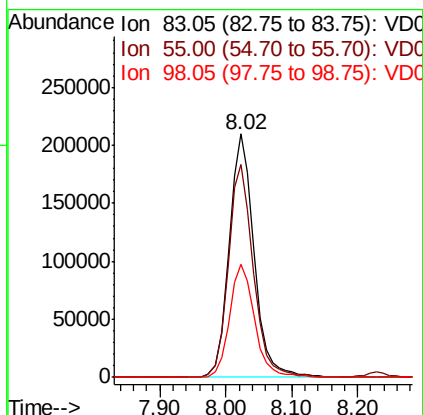
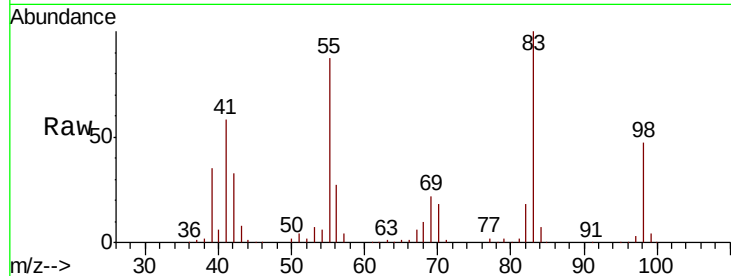




#39
Methylcyclohexane
Concen: 21.453 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

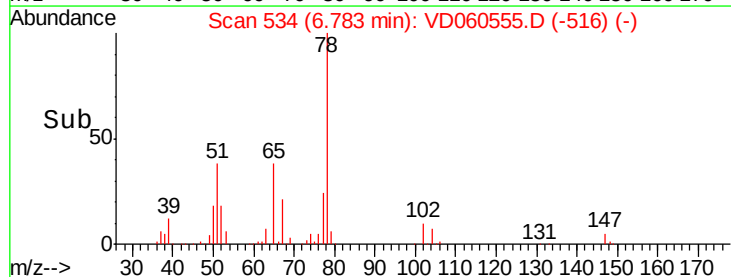
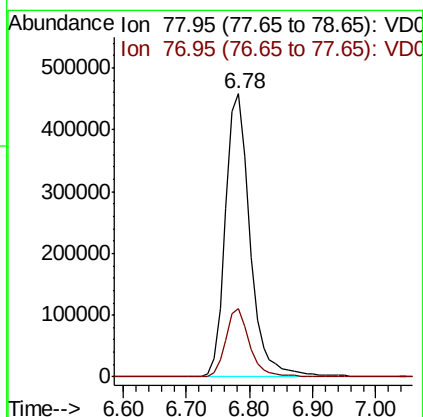
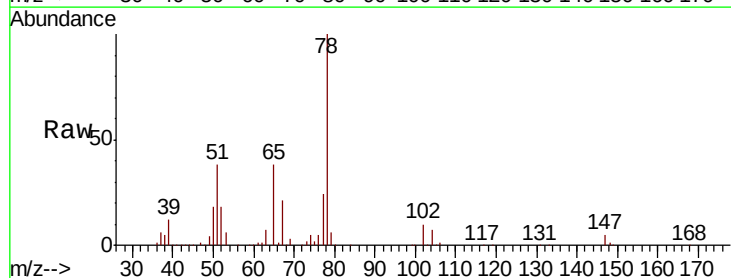
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

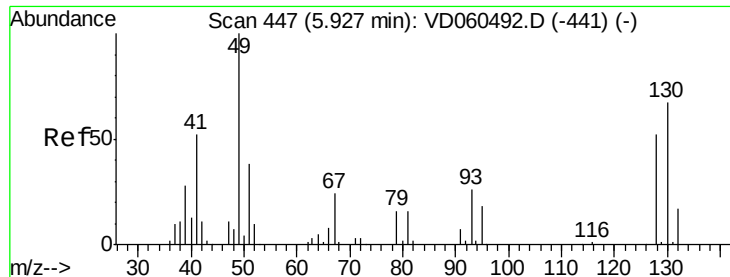
Tgt Ion: 83 Resp: 557489
Ion Ratio Lower Upper
83 100
55 87.4 69.8 104.8
98 46.5 38.4 57.6



#40
Benzene
Concen: 21.384 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 78 Resp: 1245776
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3





#41

Methacrylonitrile

Concen: 44.532 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tgt Ion: 41 Resp: 237320

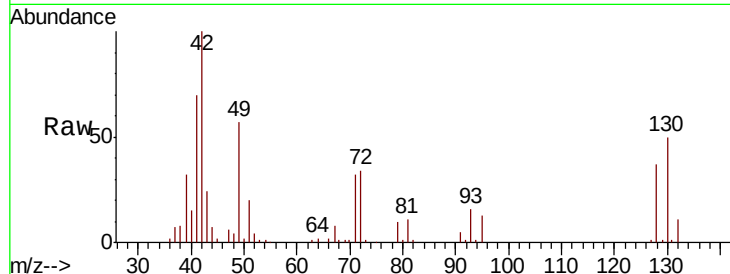
Ion Ratio Lower Upper

41 100

39 46.2 42.6 63.8

67 10.8 36.2 54.4#

52 5.1 15.6 23.4#

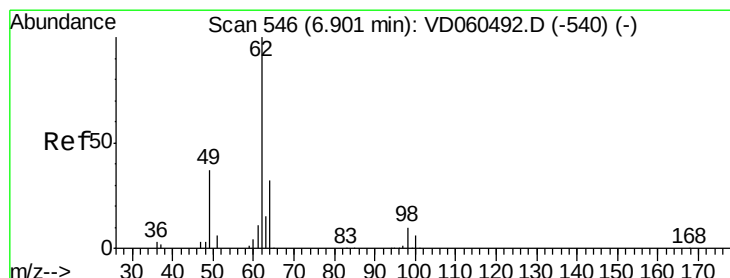
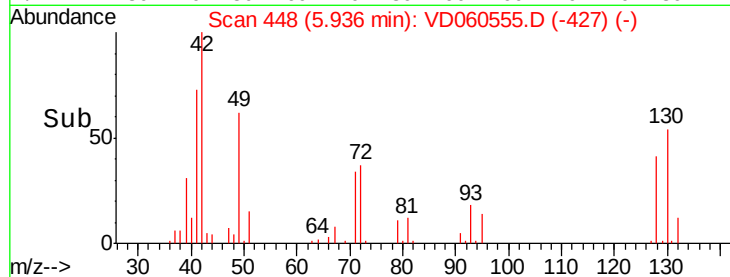
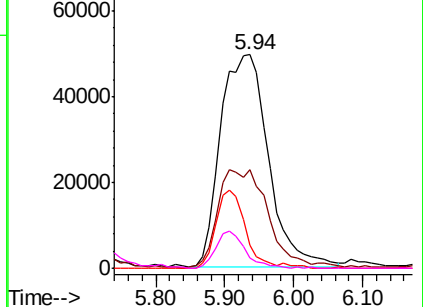


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.447 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD060555.D

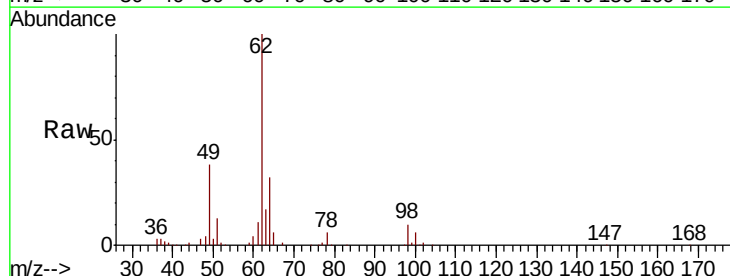
Acq: 13 Dec 2018 12:28

Tgt Ion: 62 Resp: 317680

Ion Ratio Lower Upper

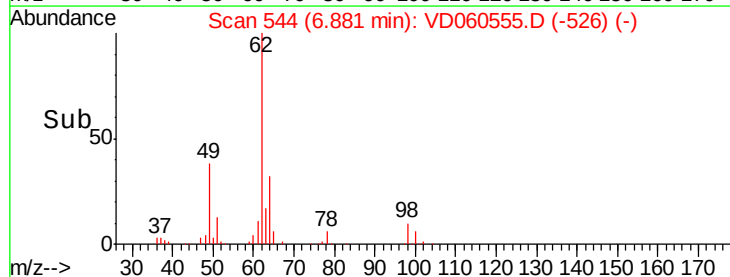
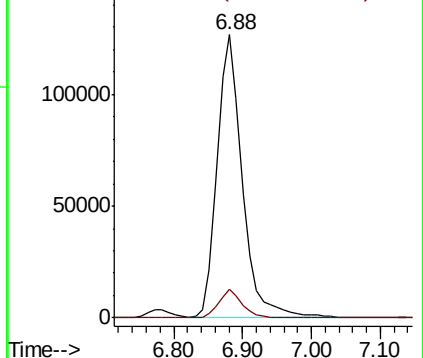
62 100

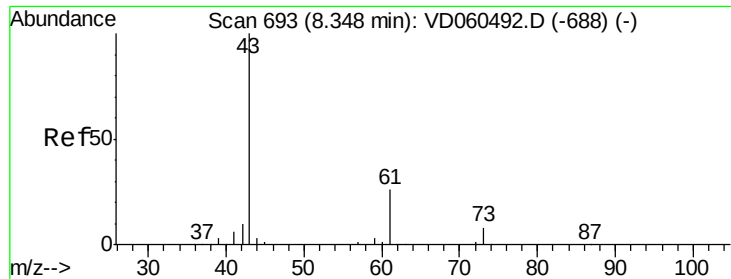
98 9.9 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.493 ug/l

RT: 8.33 min Scan# 691

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

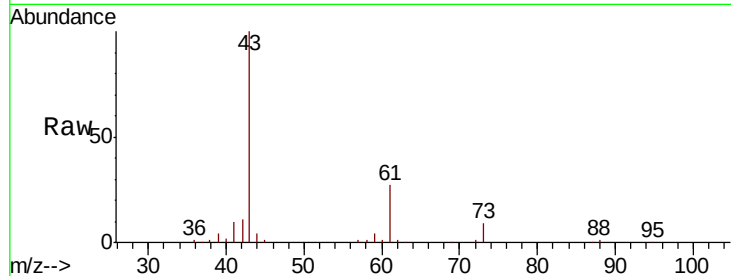
Tgt Ion: 43 Resp: 262288

Ion Ratio Lower Upper

43 100

61 26.8 21.0 31.4

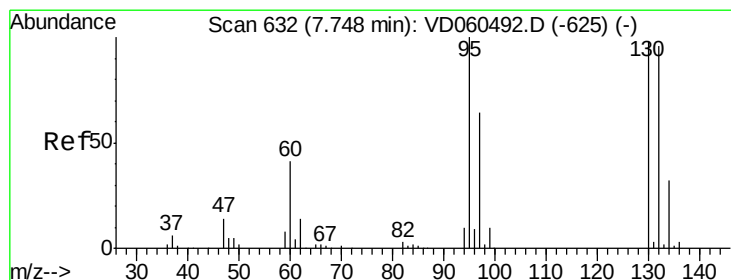
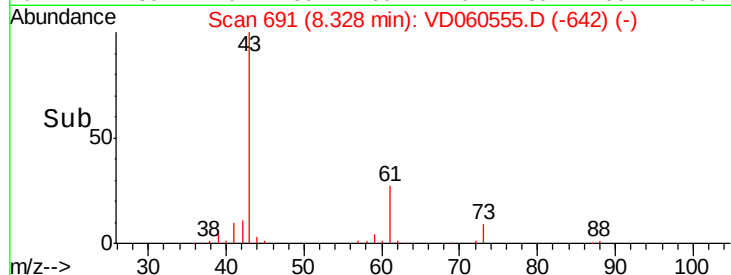
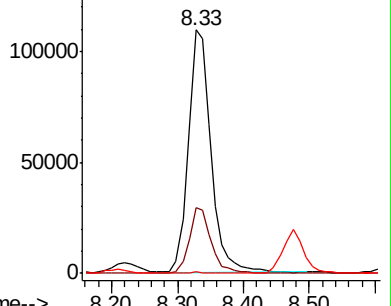
87 0.5 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.033 ug/l

RT: 7.73 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD060555.D

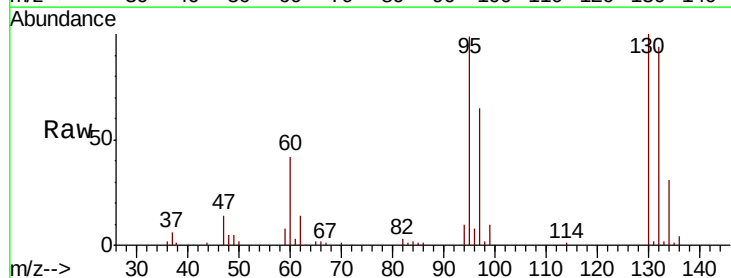
Acq: 13 Dec 2018 12:28

Tgt Ion:130 Resp: 366189

Ion Ratio Lower Upper

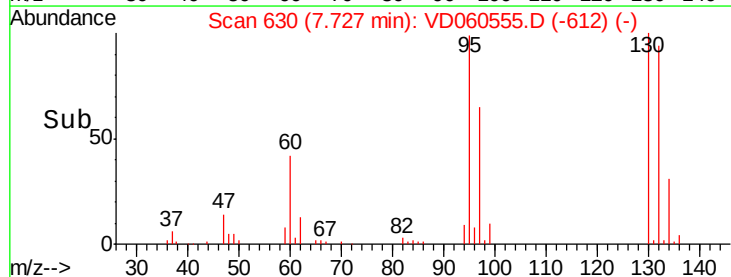
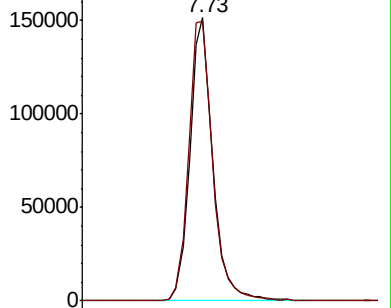
130 100

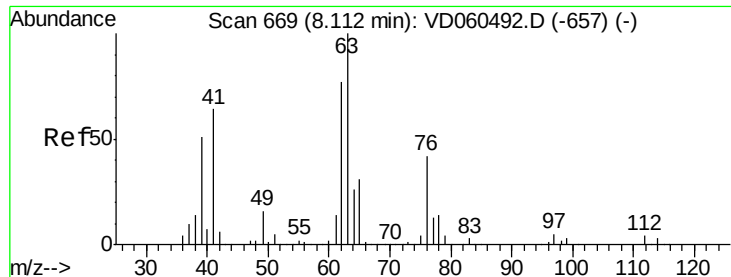
95 98.8 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

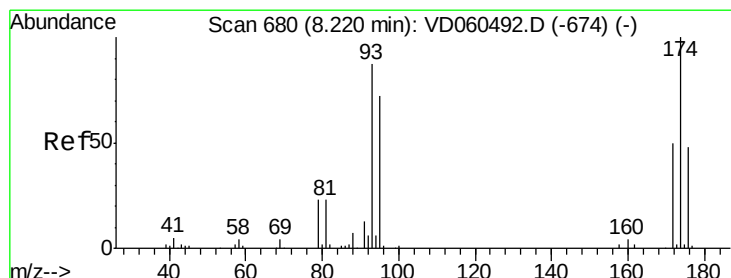
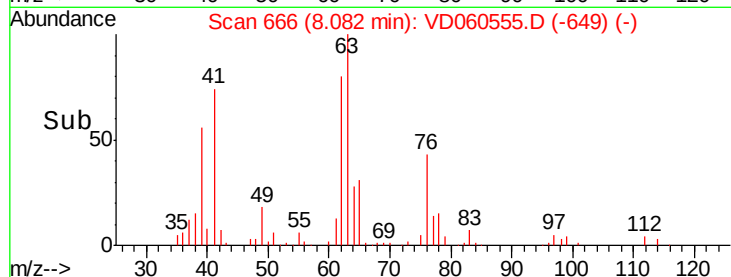
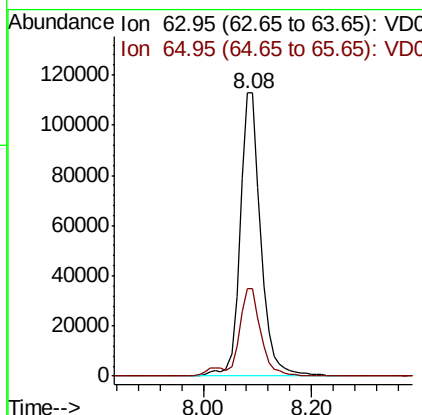
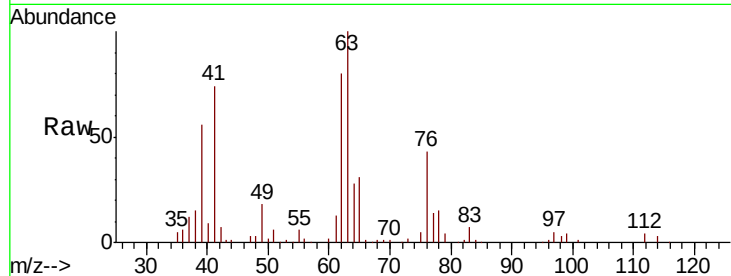




#45
 1,2-Dichloropropane
 Concen: 20.834 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

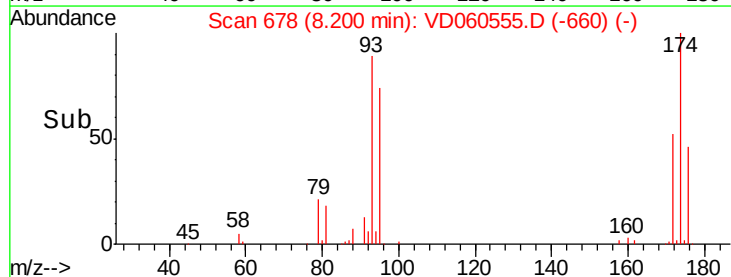
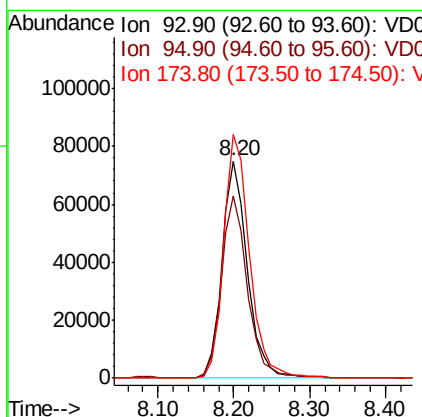
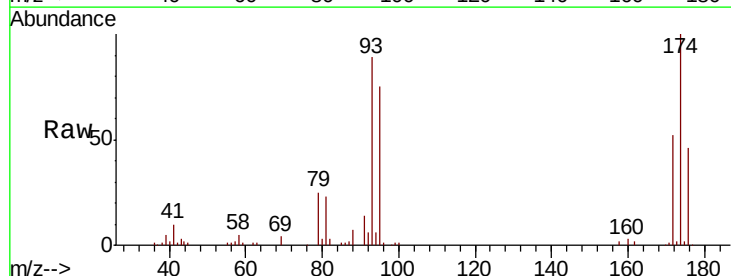
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

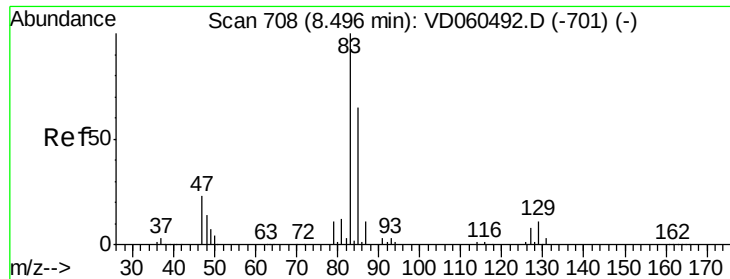
Tgt Ion: 63 Resp: 300188
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0



#46
 Dibromomethane
 Concen: 20.856 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 93 Resp: 173619
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.6 98.4
 174 112.2 91.7 137.5





#47

Bromodichloromethane

Concen: 21.148 ug/l

RT: 8.48 min Scan# 706

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

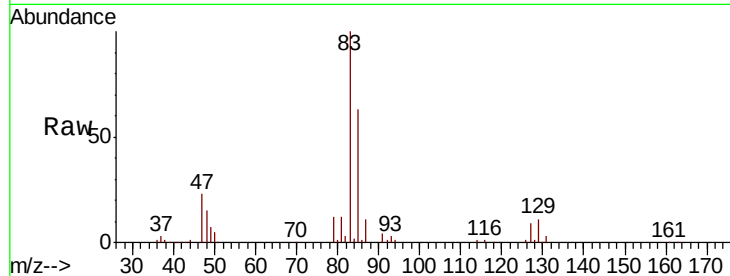
Tgt Ion: 83 Resp: 417732

Ion Ratio Lower Upper

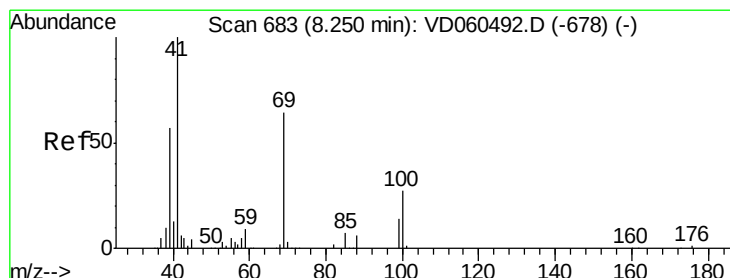
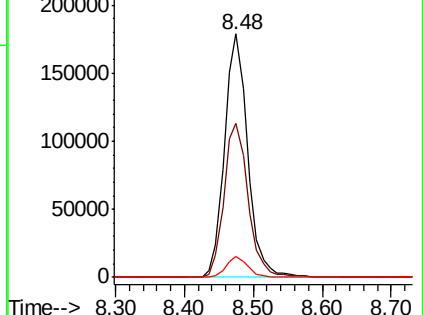
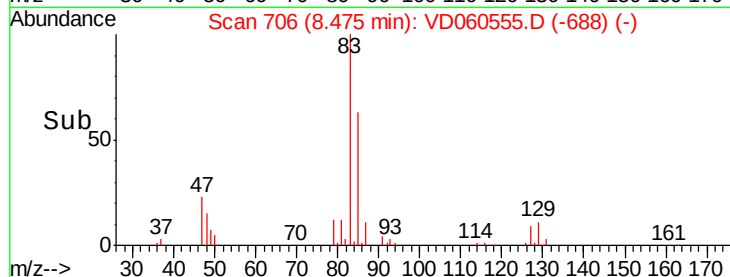
83 100

85 63.3 52.2 78.4

127 8.7 6.7 10.1



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: 22.629 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

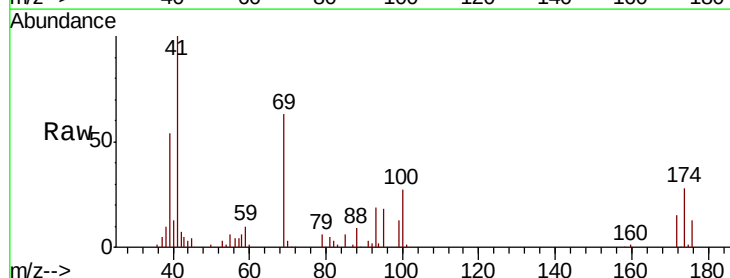
Tgt Ion: 41 Resp: 163400

Ion Ratio Lower Upper

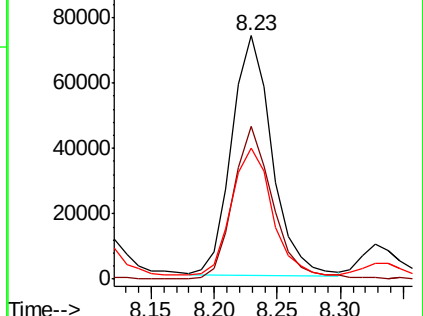
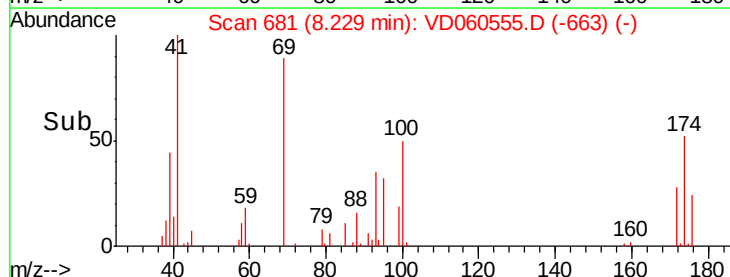
41 100

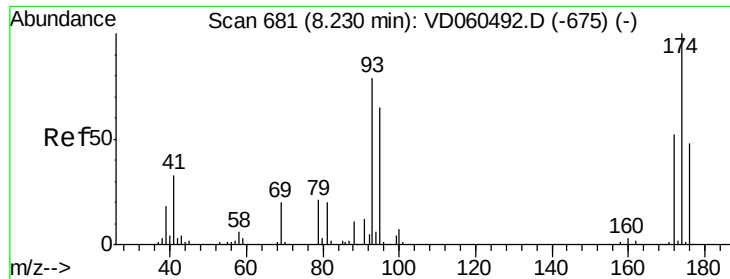
69 62.6 50.2 75.4

39 53.6 46.1 69.1



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

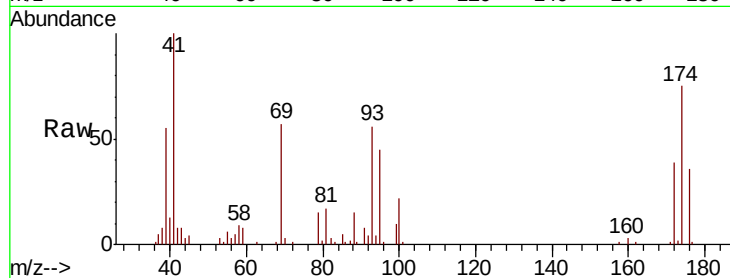




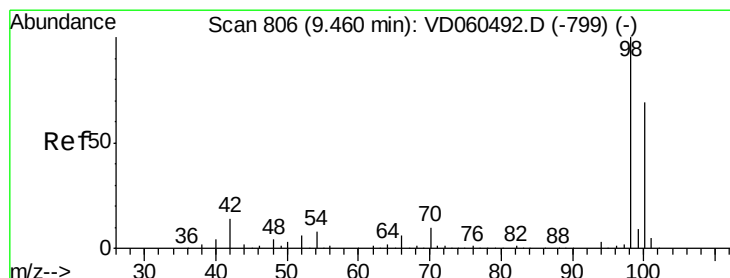
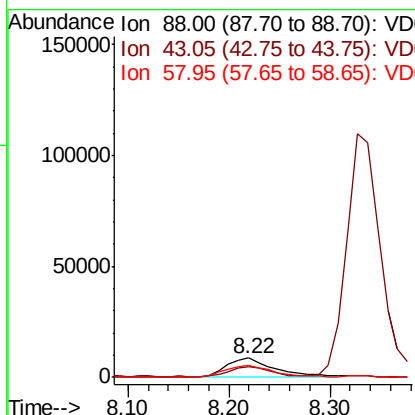
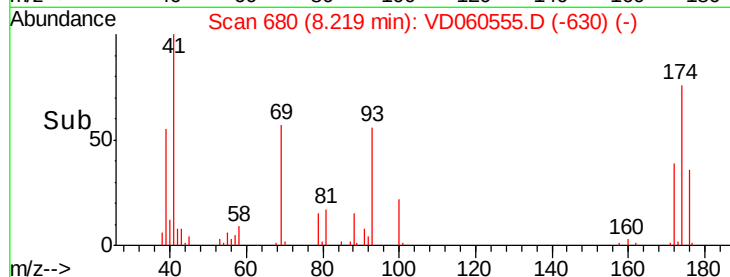
#49
1,4-Dioxane
Concen: 447.776 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tgt Ion: 88 Resp: 29304
Ion Ratio Lower Upper
88 100
43 55.7 32.9 49.3#
58 59.3 47.7 71.5

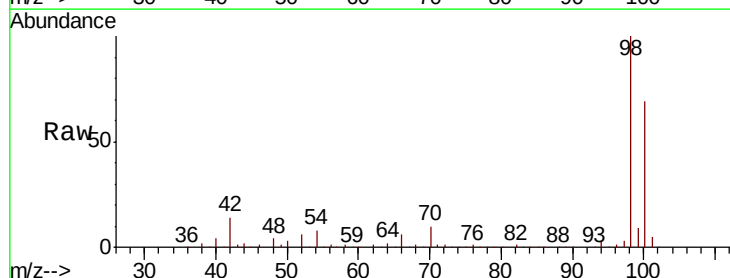


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

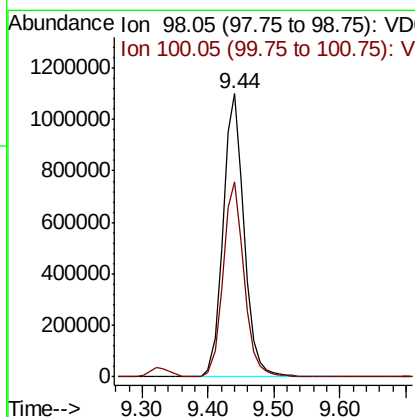
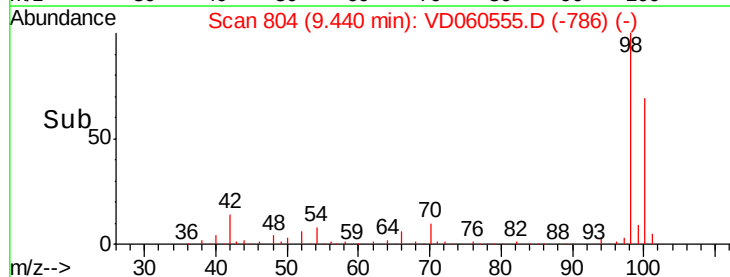


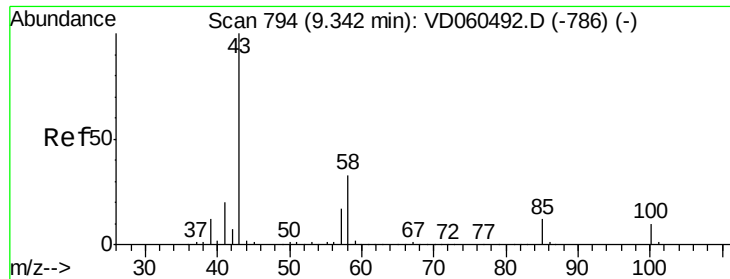
#50
Toluene-d8
Concen: 447.776 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 98 Resp: 2452142
Ion Ratio Lower Upper
98 100
100 68.9 55.7 83.5



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: 106.799 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

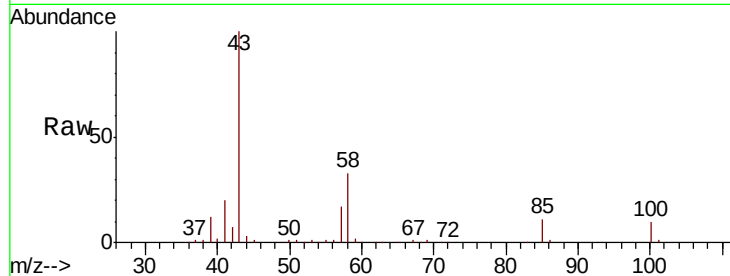
VD1213SBS01

Tgt Ion: 43 Resp: 810717

Ion Ratio Lower Upper

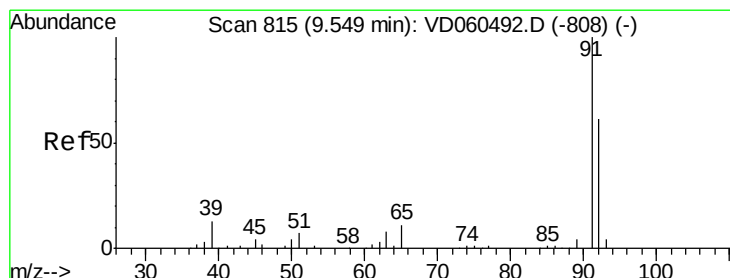
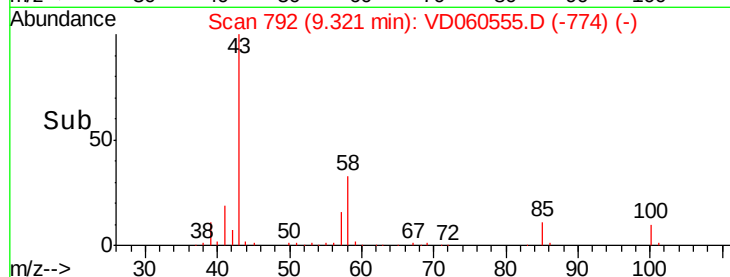
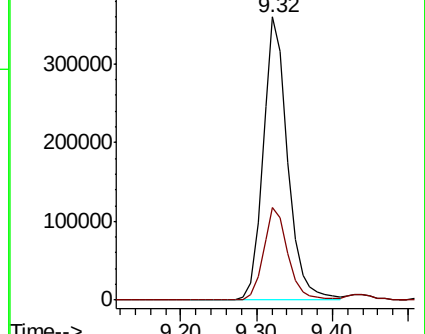
43 100

58 33.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.688 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD060555.D

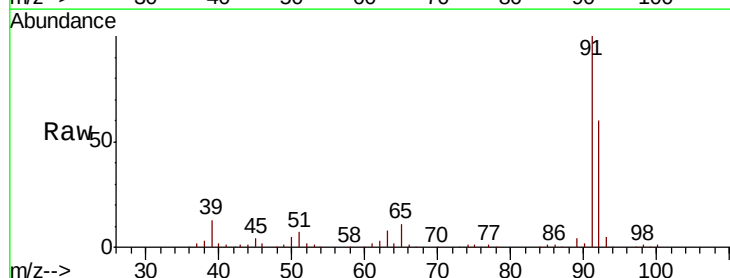
Acq: 13 Dec 2018 12:28

Tgt Ion: 92 Resp: 789722

Ion Ratio Lower Upper

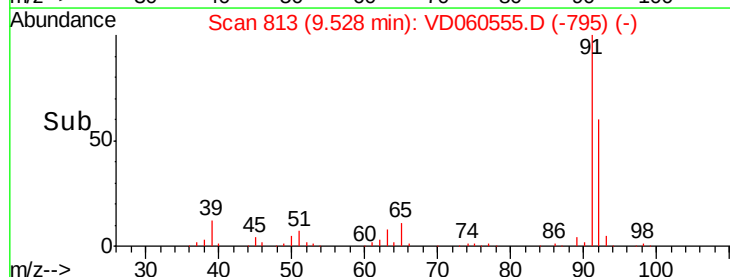
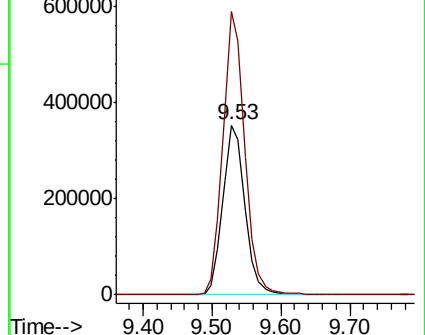
92 100

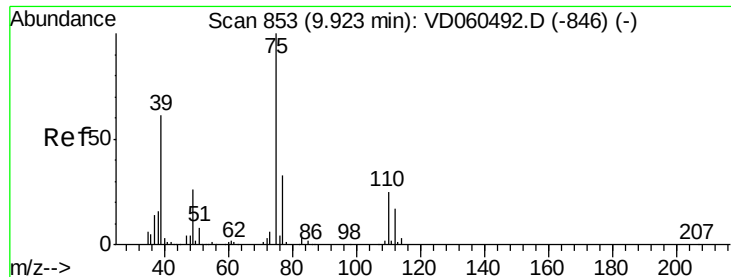
91 166.6 131.7 197.5



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: 21.607 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

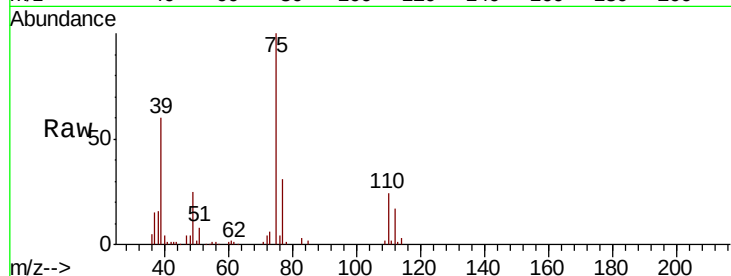
VD1213SBS01

Tgt Ion: 75 Resp: 350686

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

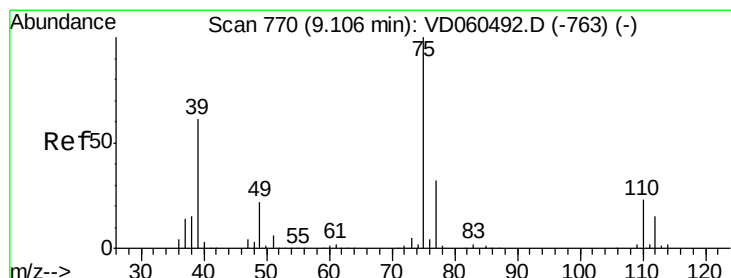
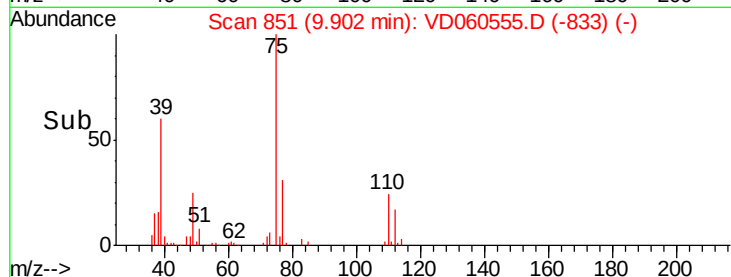
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.336 ug/l

RT: 9.09 min Scan# 768

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

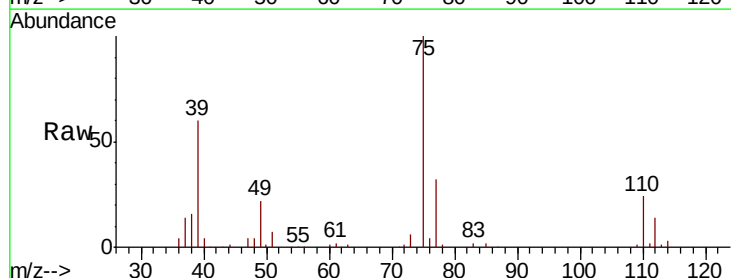
Tgt Ion: 75 Resp: 454982

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 60.5 48.6 73.0



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

9.09

250000

200000

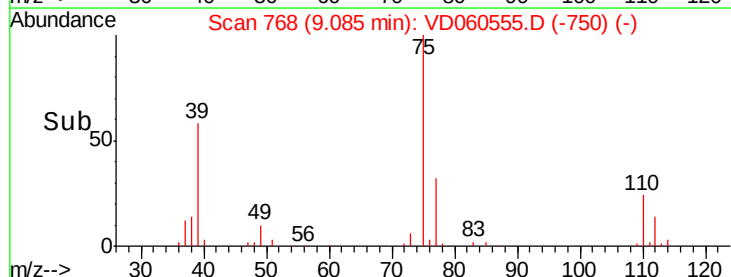
150000

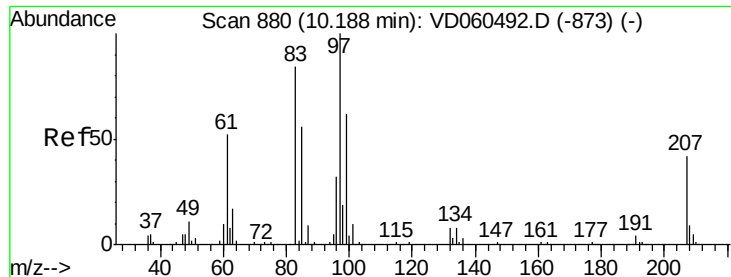
100000

50000

0

Time-->

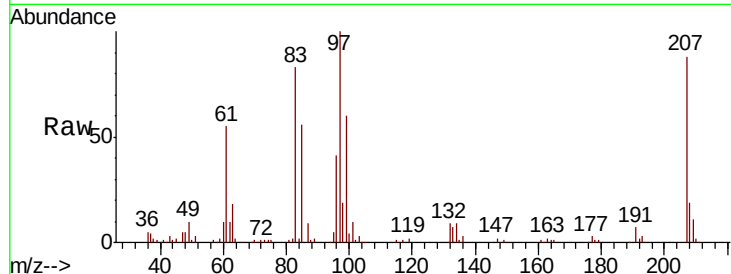




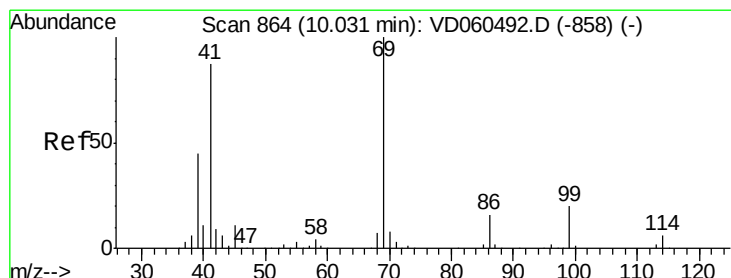
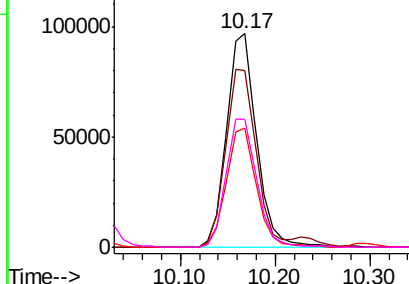
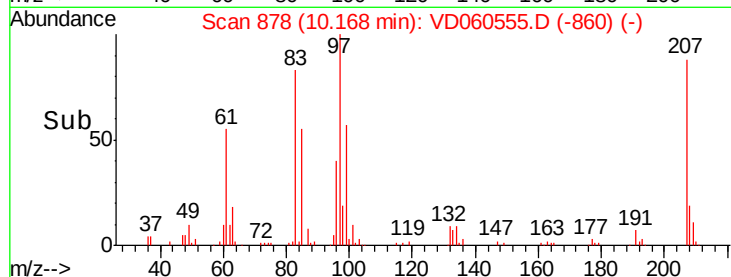
#55
 1,1,2-Trichloroethane
 Concen: 21.011 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tgt Ion:	97	Resp:	213058
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.2	100.8
85	55.8	44.5	66.7
99	59.8	49.3	73.9

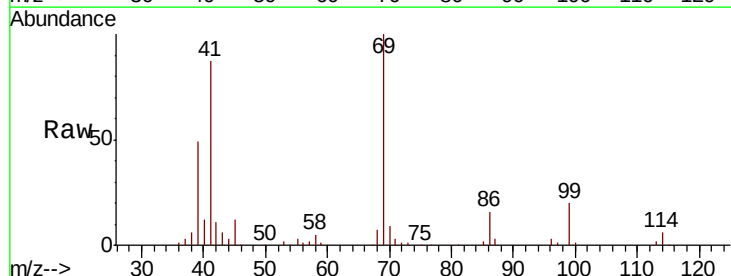


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

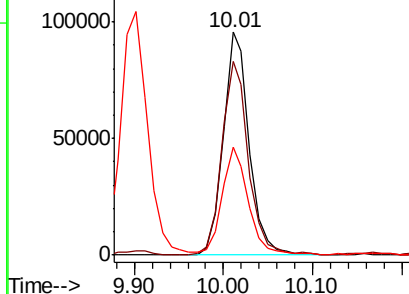
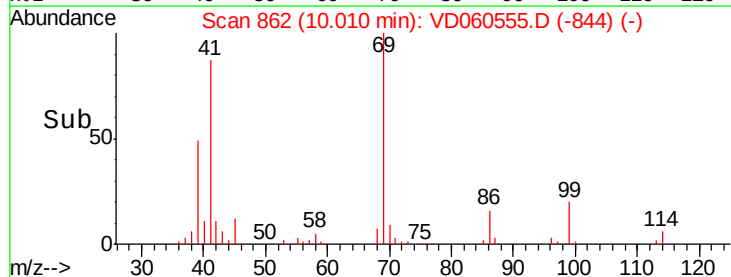


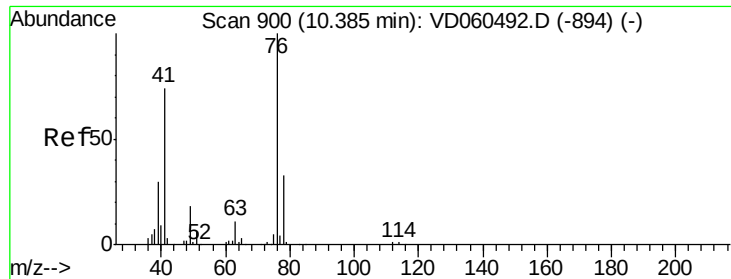
#56
 Ethyl methacrylate
 Concen: 21.282 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion:	69	Resp:	195309
Ion	Ratio	Lower	Upper
69	100		
41	86.7	69.8	104.8
39	48.5	37.5	56.3



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

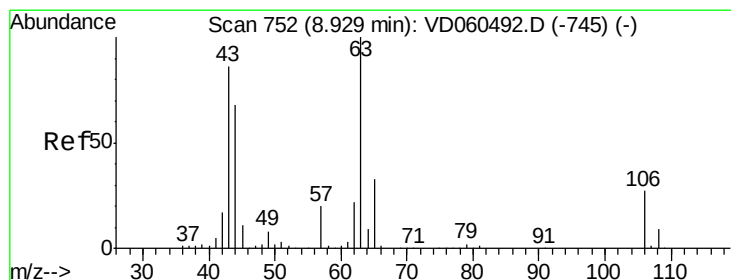
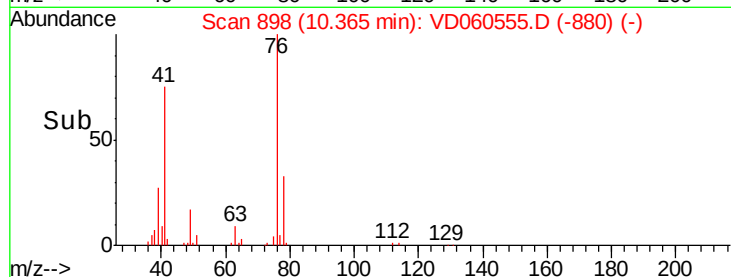
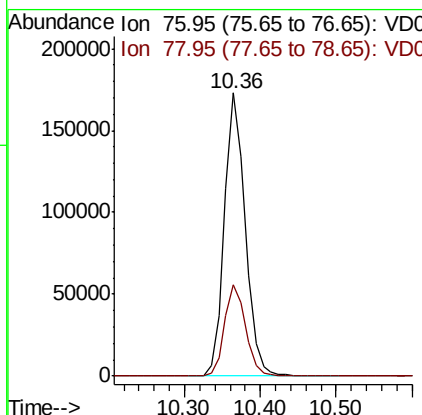
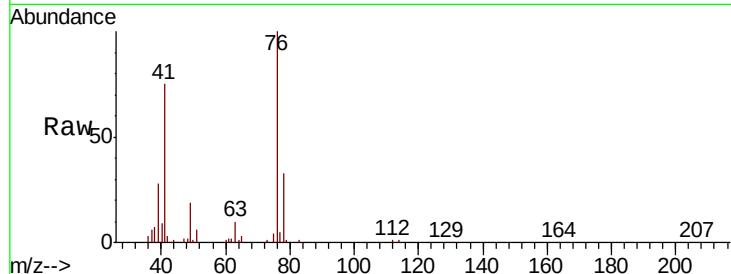




#57
 1,3-Dichloropropane
 Concen: 21.082 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

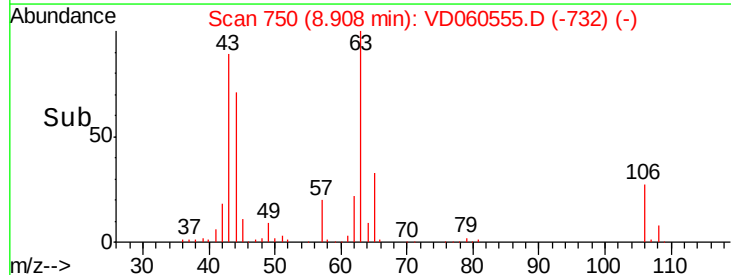
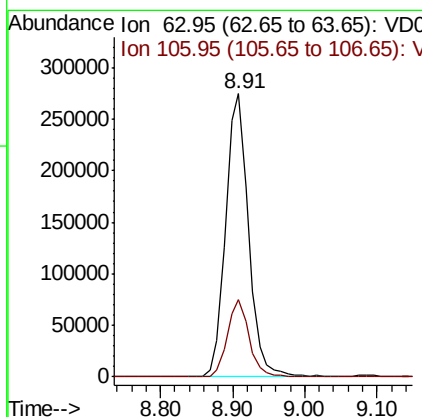
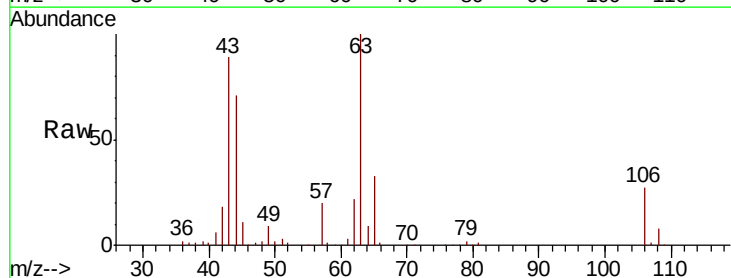
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

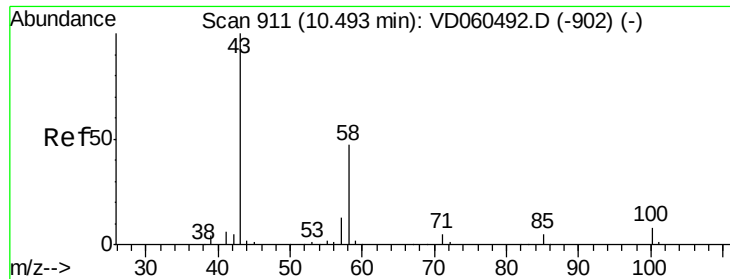
Tgt Ion: 76 Resp: 330459
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.706 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 63 Resp: 602401
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.6 32.4

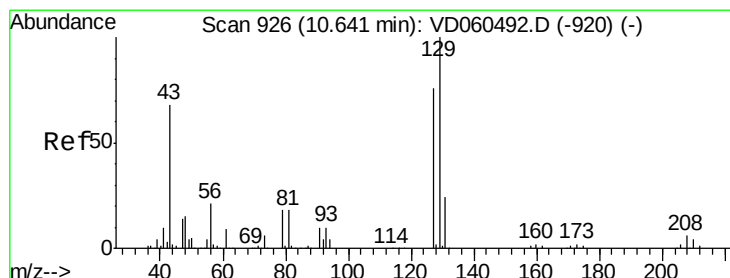
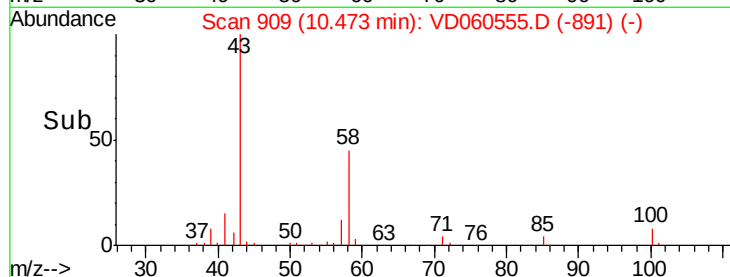
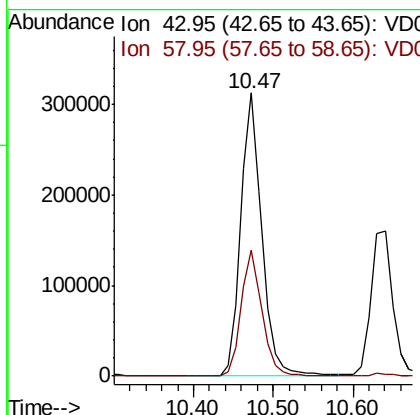
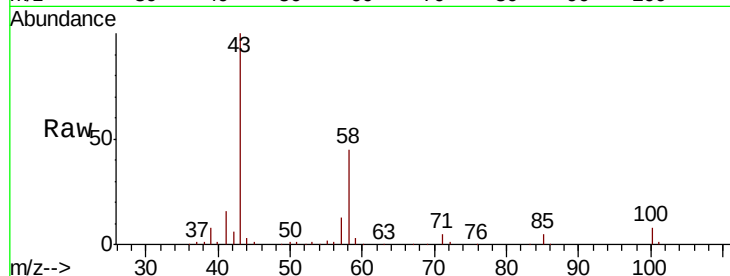




#59
2-Hexanone
Concen: 108.060 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

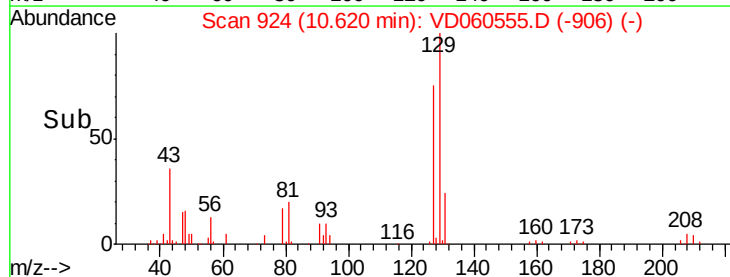
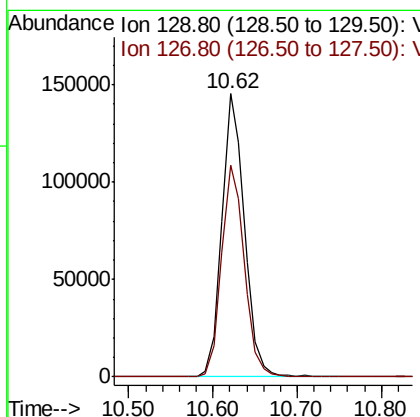
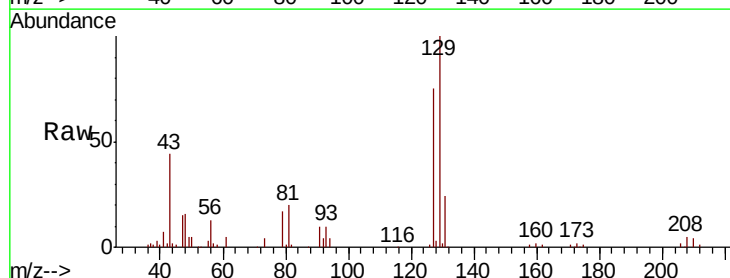
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

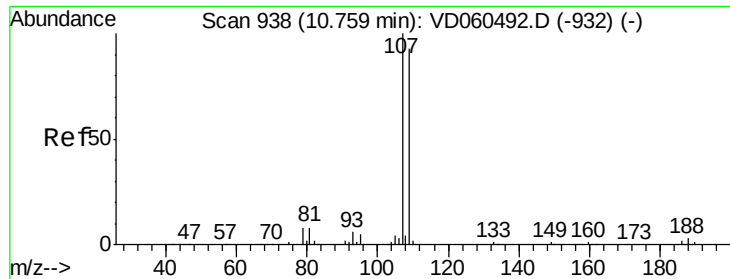
Tgt Ion: 43 Resp: 573363
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.2



#60
Dibromochloromethane
Concen: 21.229 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 129 Resp: 269139
Ion Ratio Lower Upper
129 100
127 74.8 38.1 114.3

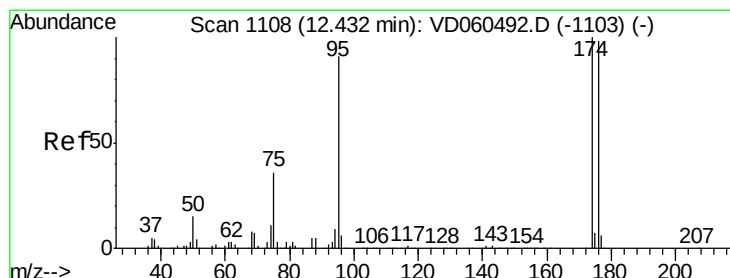
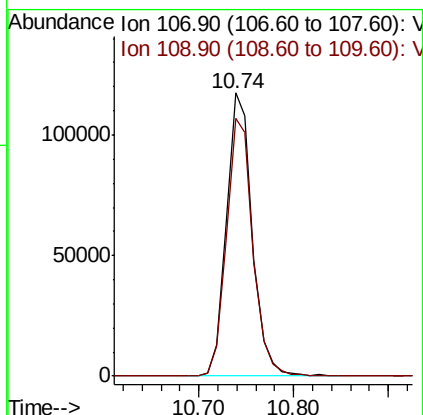
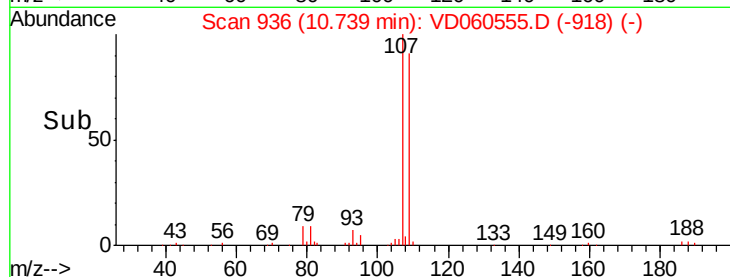
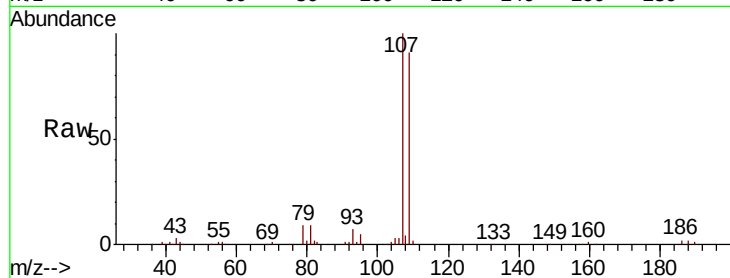




#61
 1,2-Dibromoethane
 Concen: 21.266 ug/l
 RT: 10.74 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

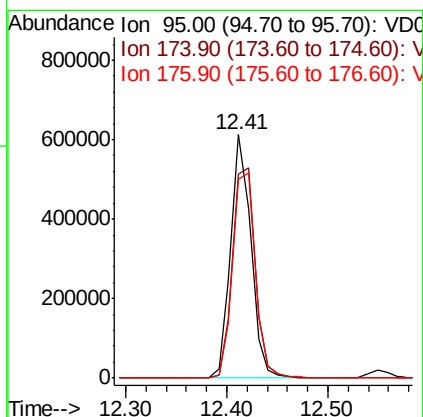
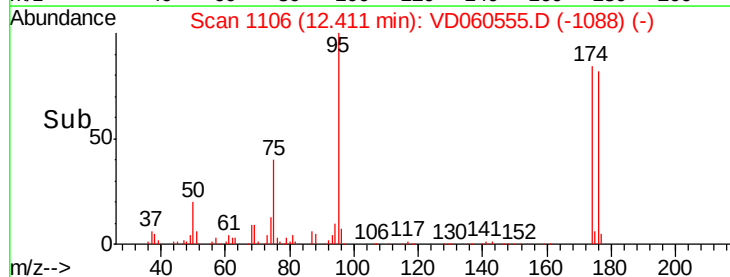
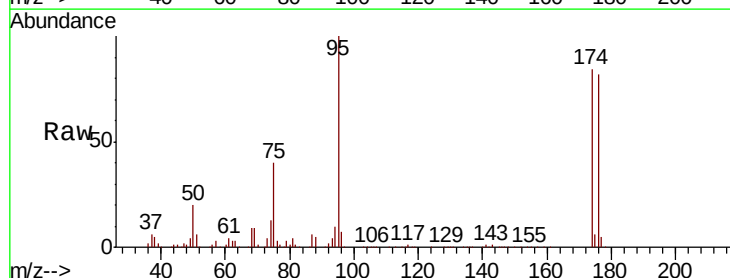
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

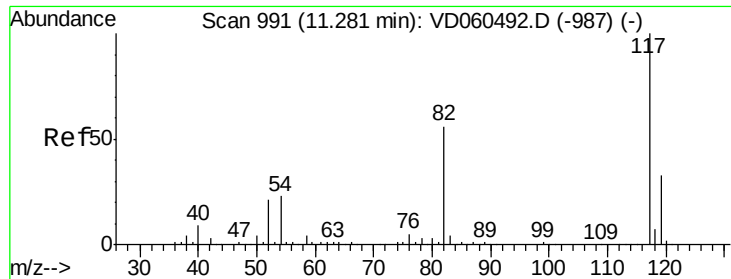
Tgt Ion: 107 Resp: 219761
 Ion Ratio Lower Upper
 107 100
 109 91.1 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 21.266 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 95 Resp: 851210
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 219.4
 176 81.7 0.0 214.6

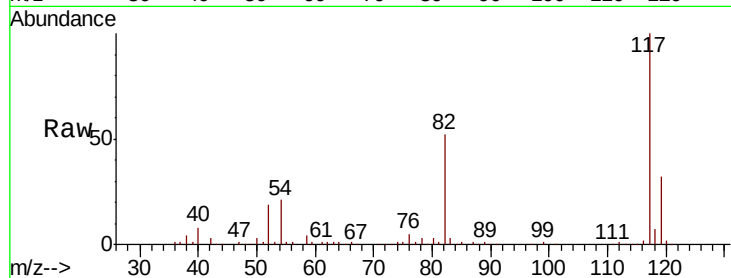




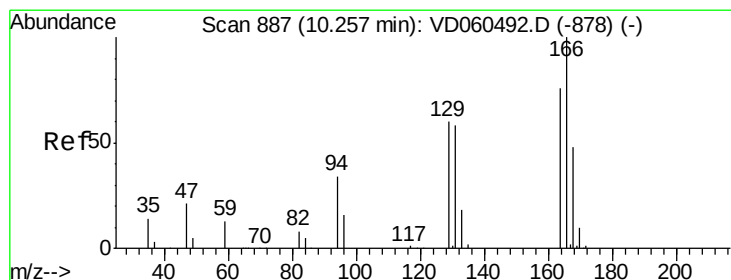
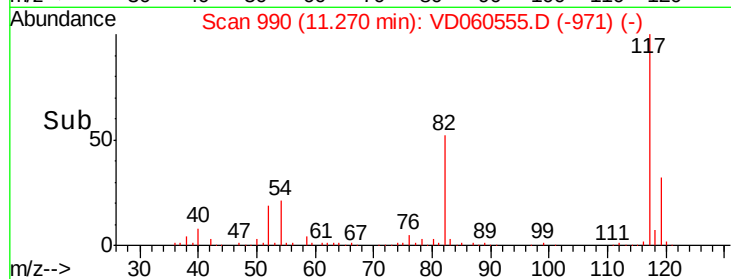
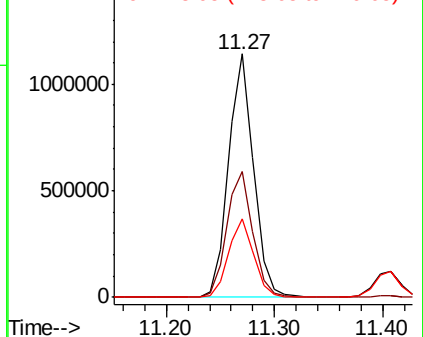
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tgt Ion:117 Resp: 1840902
Ion Ratio Lower Upper
117 100
82 51.7 45.2 67.8
119 32.4 26.1 39.1

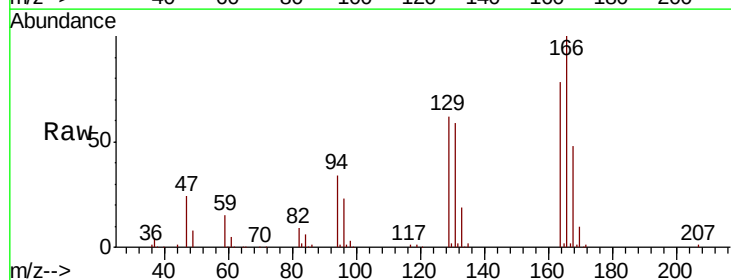


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

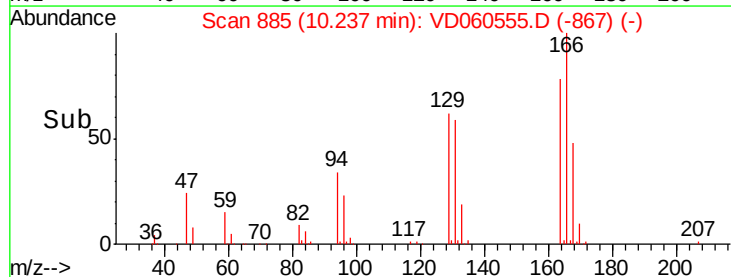
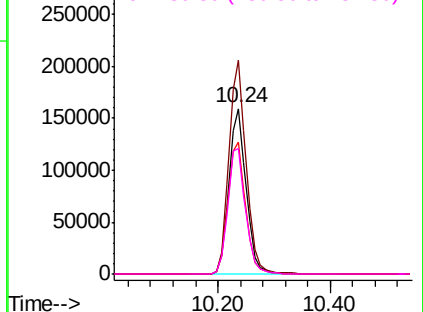


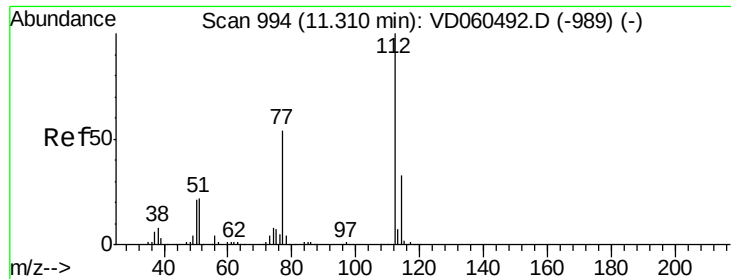
#64
Tetrachloroethene
Concen: 20.829 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion:164 Resp: 339526
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.6
129 79.4 63.0 94.4
131 75.6 60.6 90.8



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

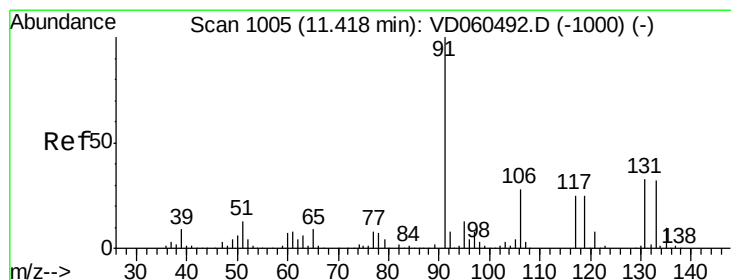
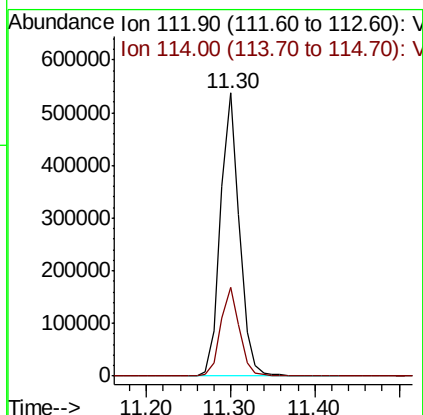
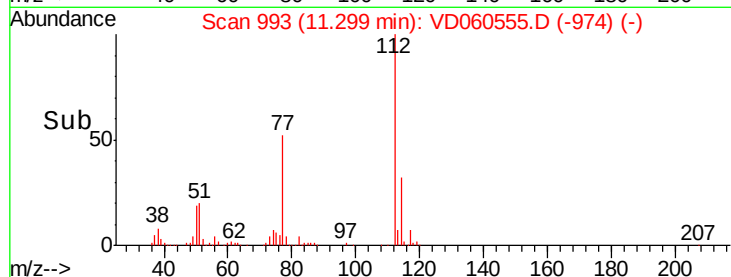
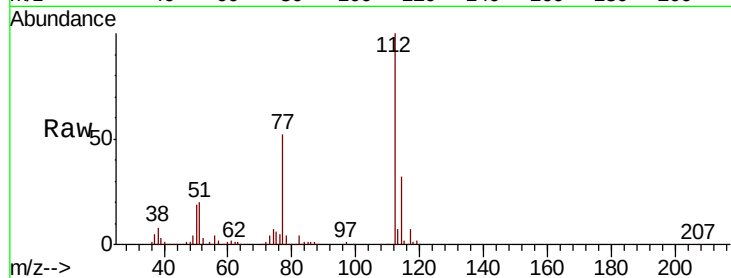




#65
Chlorobenzene
Concen: 21.531 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

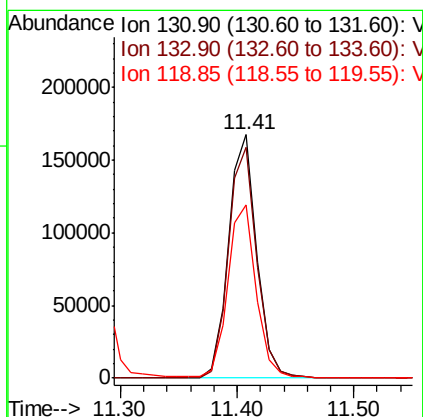
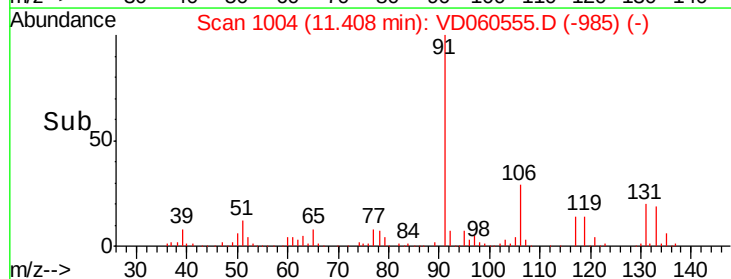
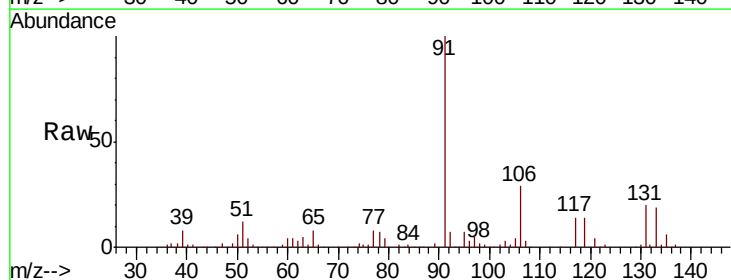
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

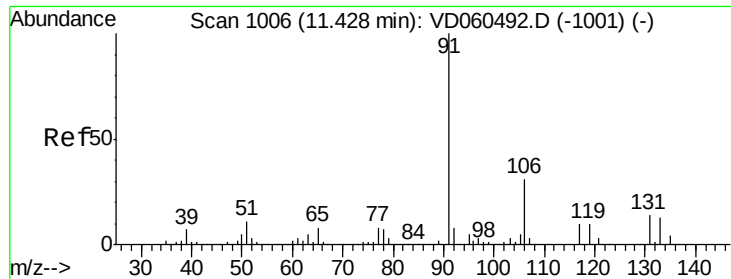
Tgt Ion:112 Resp: 838534
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.226 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion:131 Resp: 278999
Ion Ratio Lower Upper
131 100
133 94.9 49.1 147.3
119 71.1 37.5 112.3

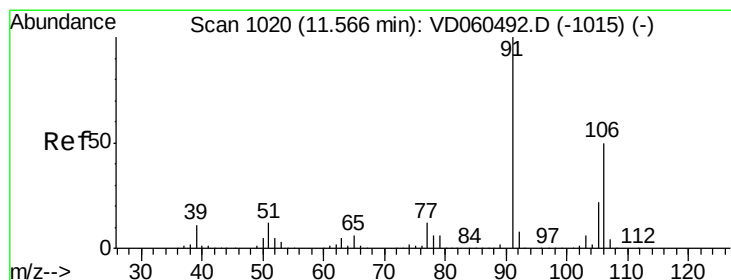
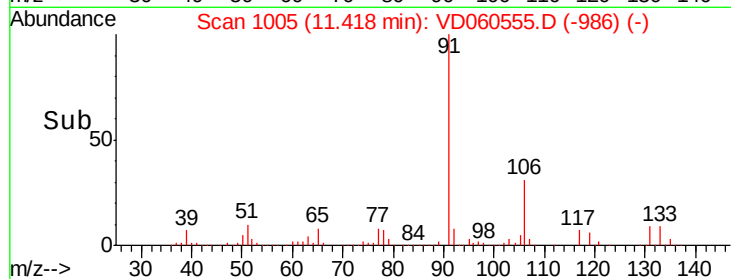
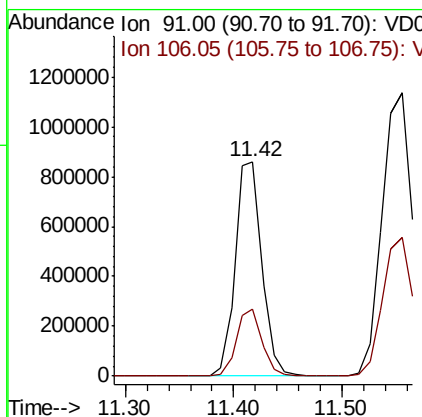
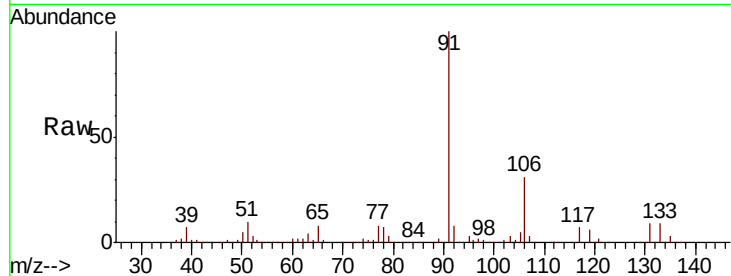




#67
Ethyl Benzene
Concen: 22.197 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

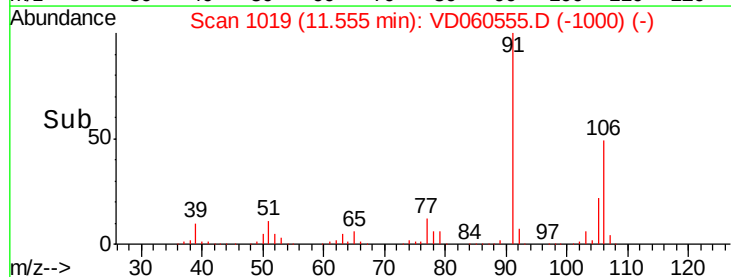
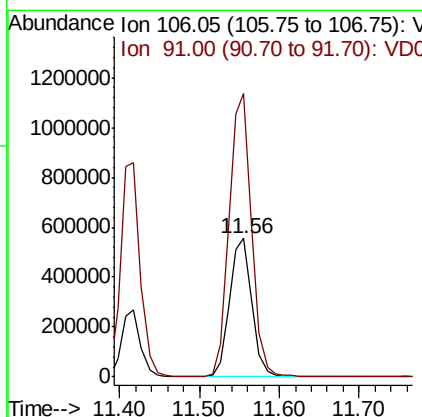
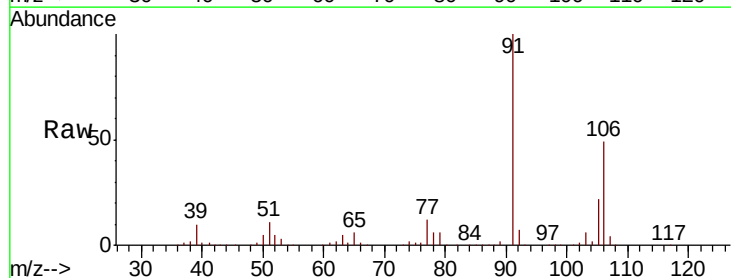
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

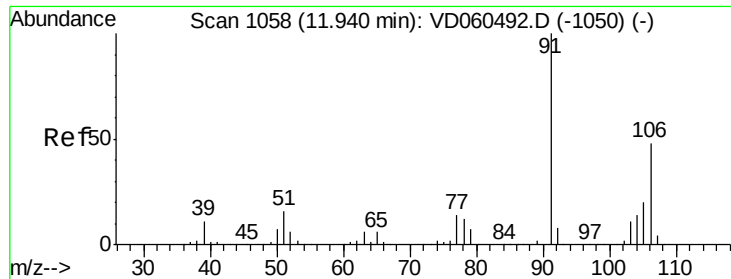
Tgt Ion: 91 Resp: 1474512
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0



#68
m/p-Xylenes
Concen: 44.000 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 106 Resp: 1081350
Ion Ratio Lower Upper
106 100
91 204.8 160.5 240.7

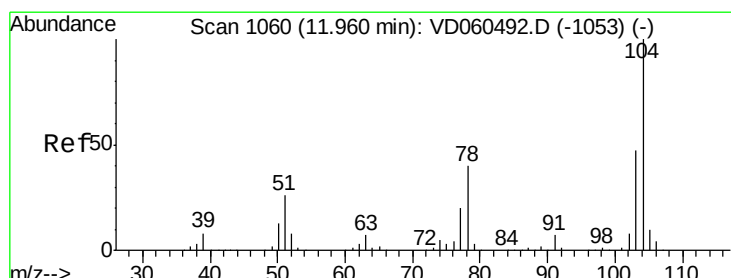
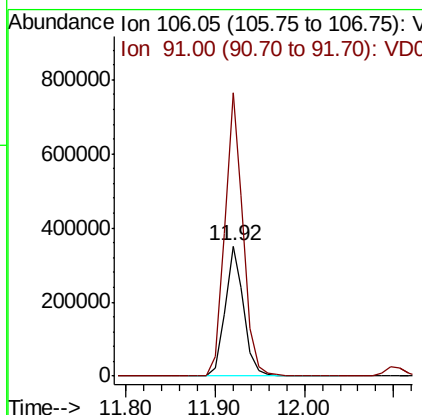
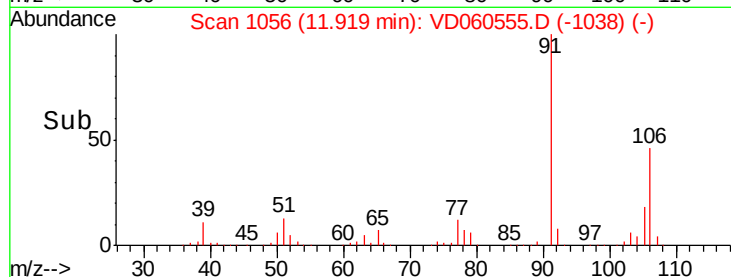
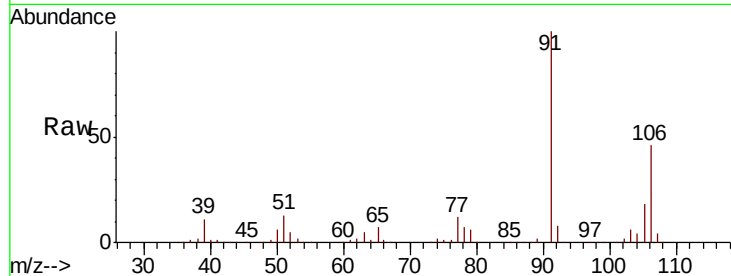




#69
o-Xylene
Concen: 21.936 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

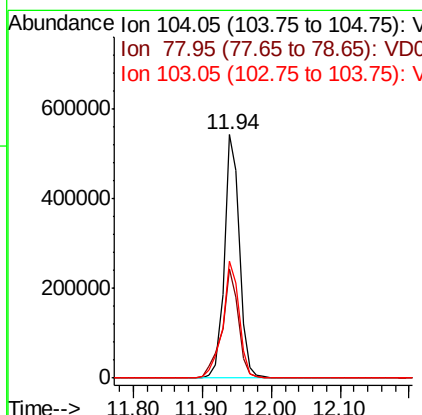
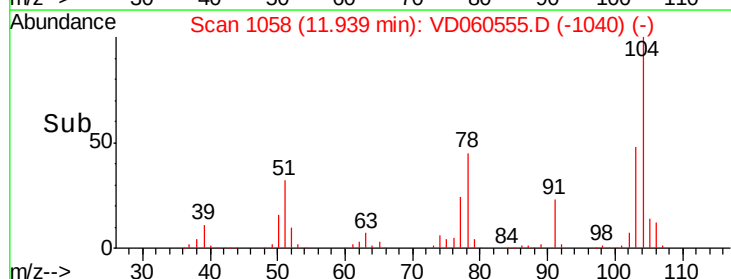
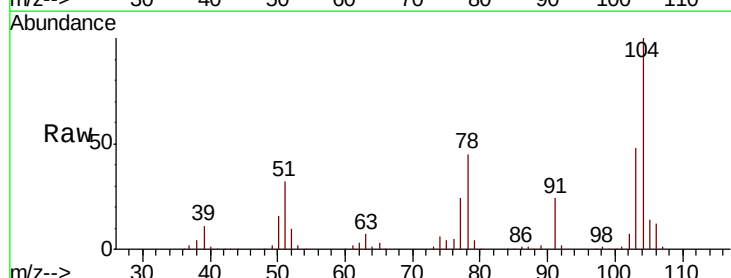
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

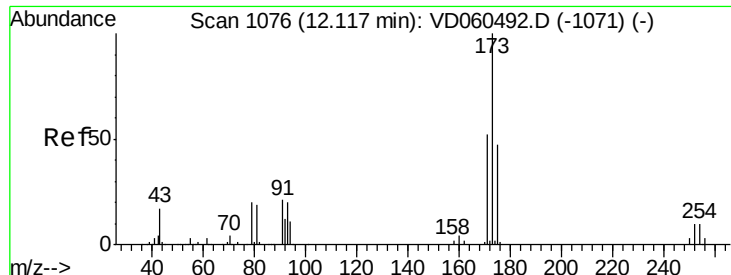
Tgt Ion:106 Resp: 513770
Ion Ratio Lower Upper
106 100
91 218.1 103.4 310.1



#70
Styrene
Concen: 21.910 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.02 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion:104 Resp: 823674
Ion Ratio Lower Upper
104 100
78 45.0 32.1 48.1
103 47.8 37.2 55.8





#71

Bromoform

Concen: 20.096 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

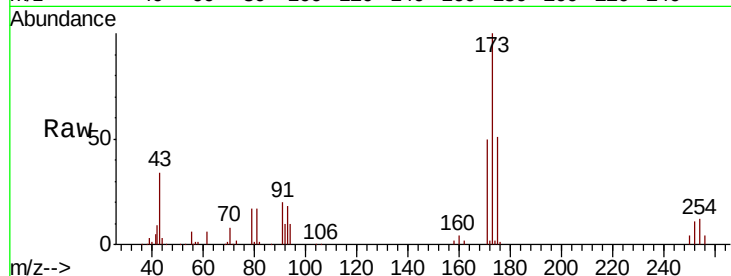
Tgt Ion:173 Resp: 168298

Ion Ratio Lower Upper

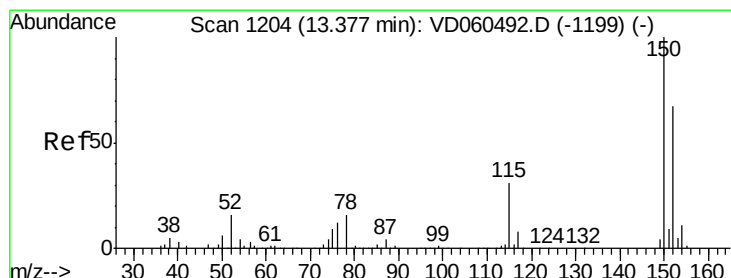
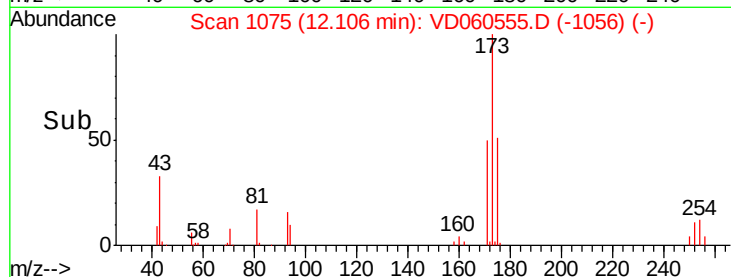
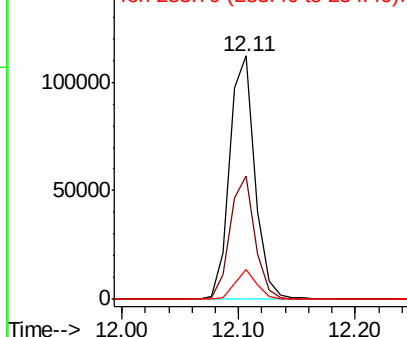
173 100

175 50.6 23.5 70.6

254 12.3 7.8 11.8#



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# 1203

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

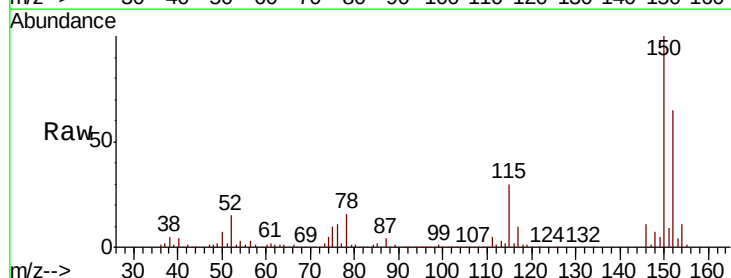
Tgt Ion:152 Resp: 936224

Ion Ratio Lower Upper

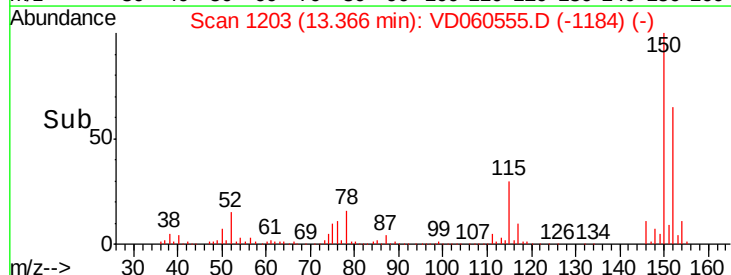
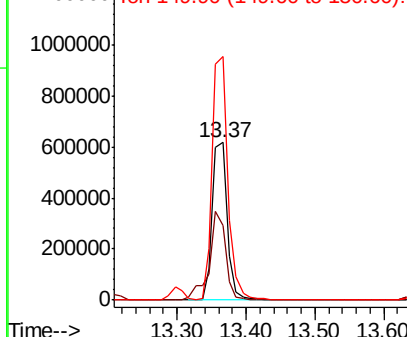
152 100

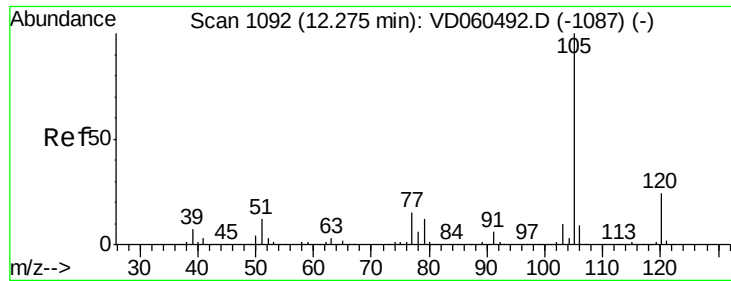
115 47.0 24.6 74.0

150 154.3 0.0 309.0



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

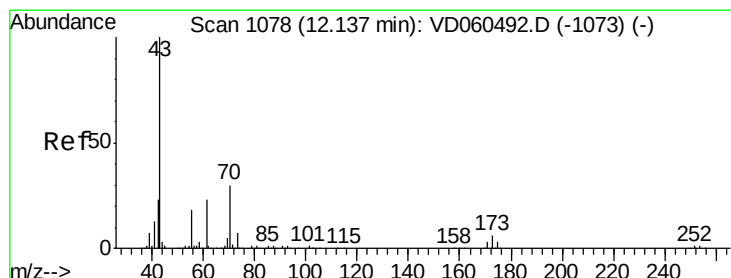
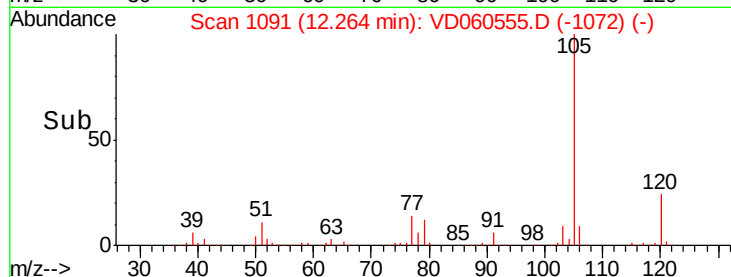
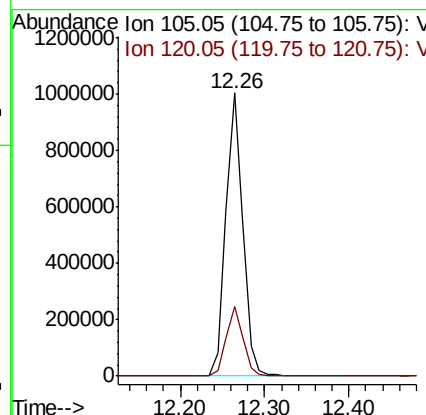
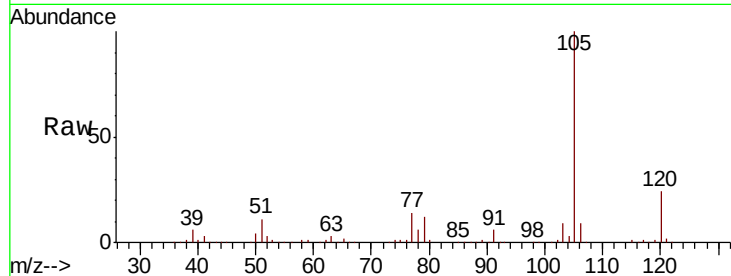




#73
Isopropylbenzene
Concen: 21.176 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

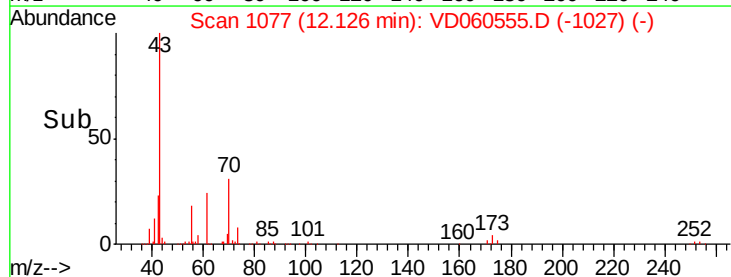
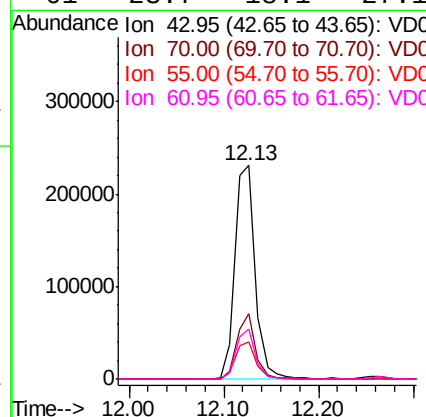
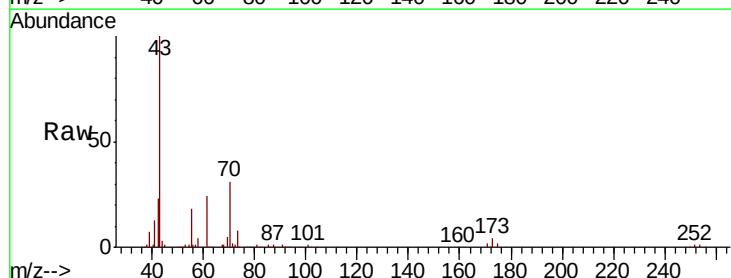
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

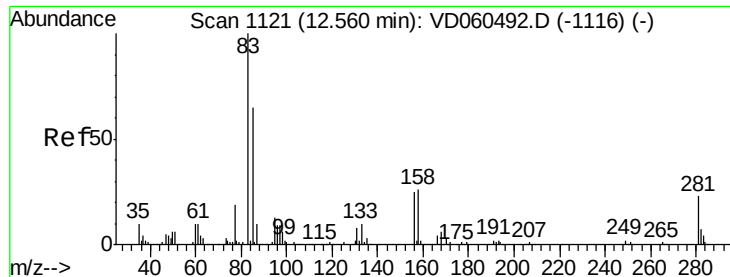
Tgt Ion:105 Resp: 1402897
Ion Ratio Lower Upper
105 100
120 24.4 11.9 35.9



#74
N-ethyl acetate
Concen: 21.414 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion: 43 Resp: 342869
Ion Ratio Lower Upper
43 100
70 30.7 23.8 35.8
55 17.6 14.2 21.2
61 23.7 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.967 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

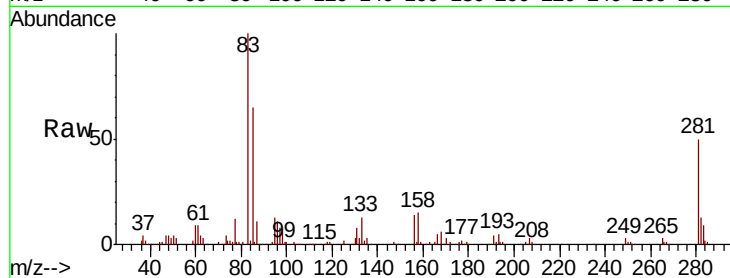
Tgt Ion: 83 Resp: 222381

Ion Ratio Lower Upper

83 100

131 8.2 3.8 11.4

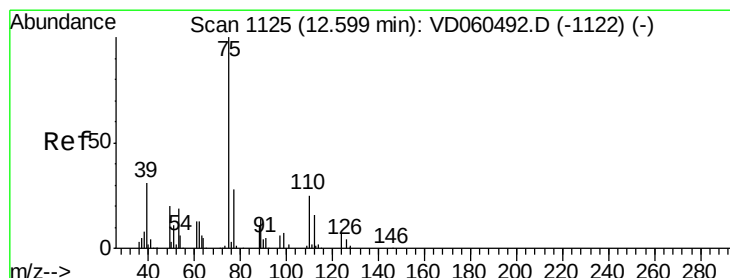
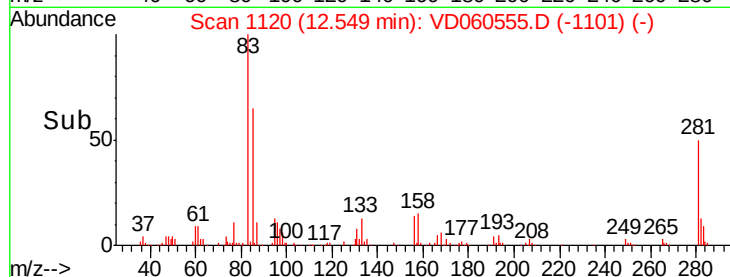
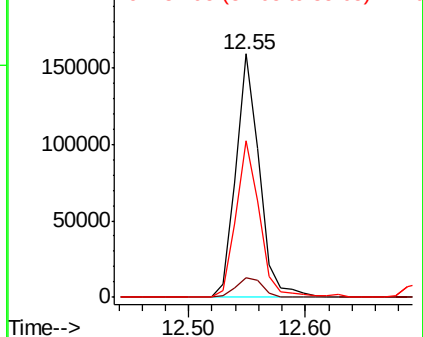
85 64.5 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.791 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060555.D

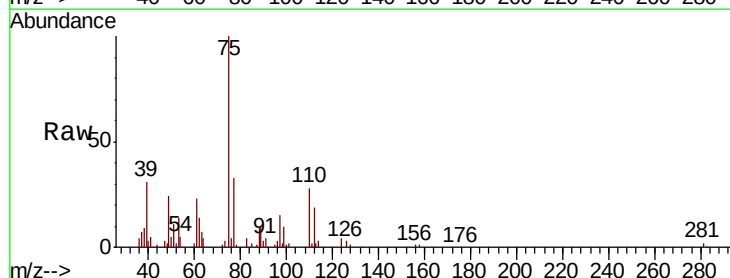
Acq: 13 Dec 2018 12:28

Tgt Ion: 75 Resp: 220554

Ion Ratio Lower Upper

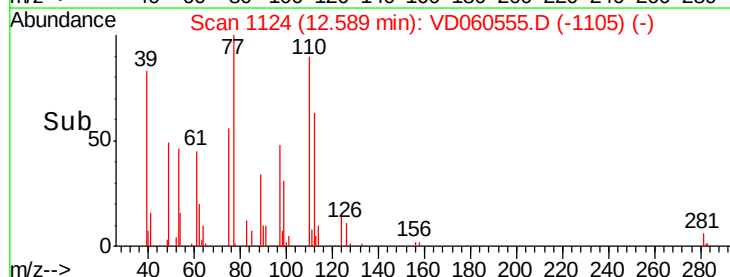
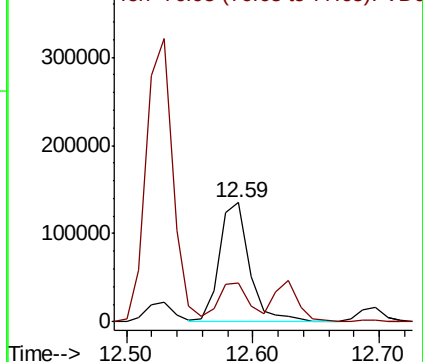
75 100

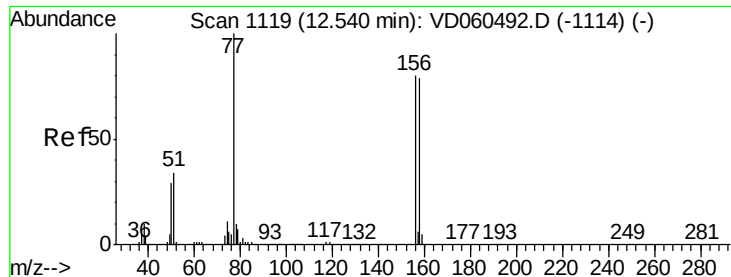
77 32.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.286 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

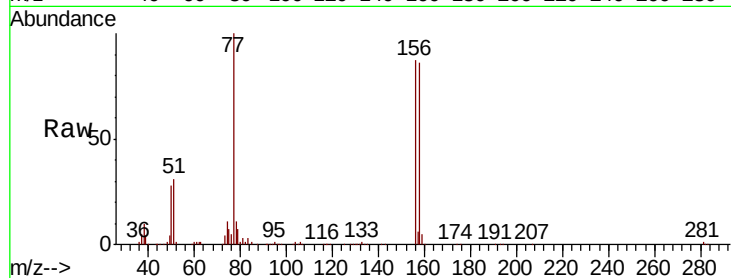
Tgt Ion:156 Resp: 370676

Ion Ratio Lower Upper

156 100

77 114.5 62.5 187.6

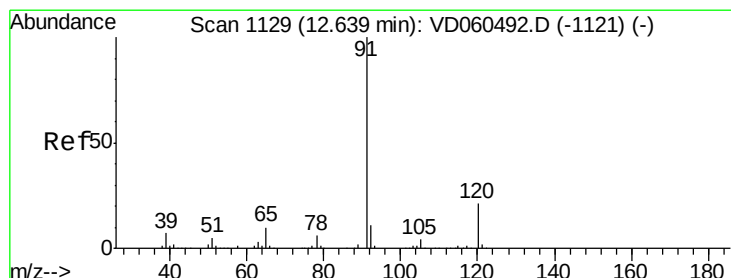
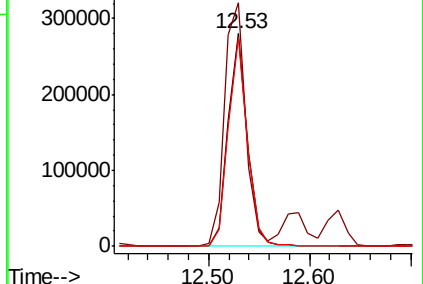
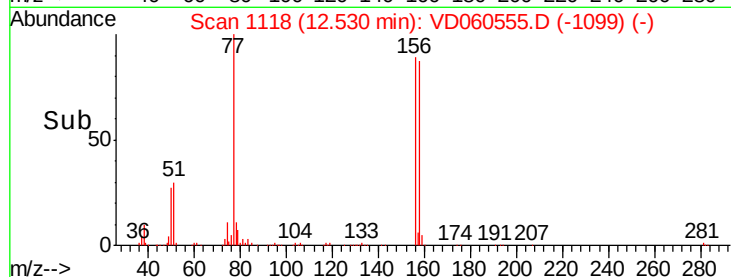
158 98.3 49.4 148.2



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: 21.722 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD060555.D

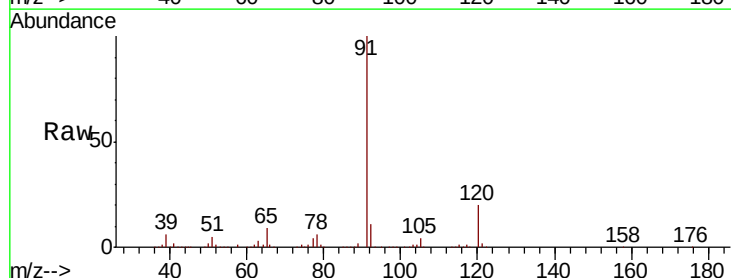
Acq: 13 Dec 2018 12:28

Tgt Ion: 91 Resp: 1819147

Ion Ratio Lower Upper

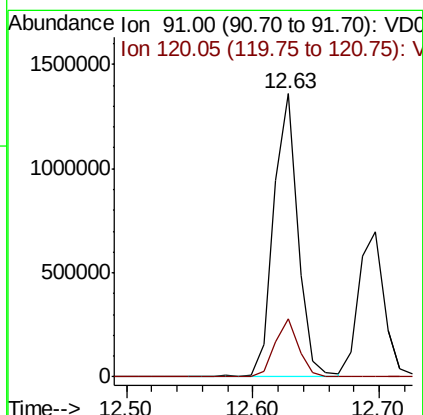
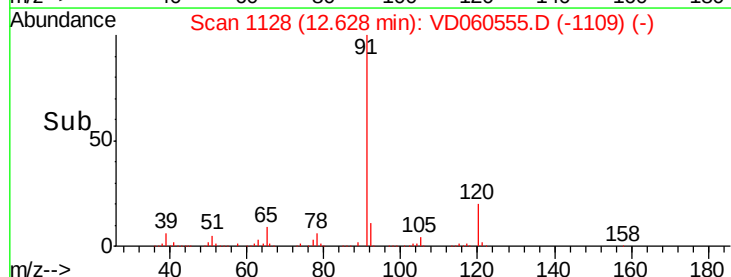
91 100

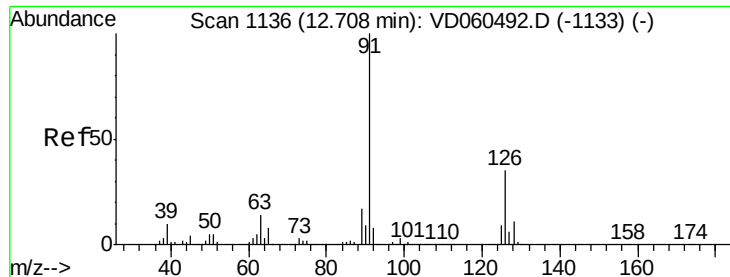
120 20.4 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.764 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

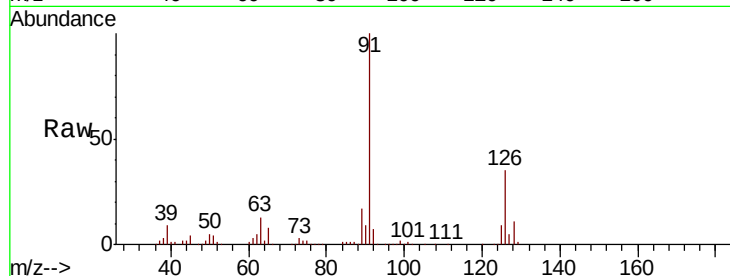
VD1213SBSD01

Tgt Ion: 91 Resp: 989046

Ion Ratio Lower Upper

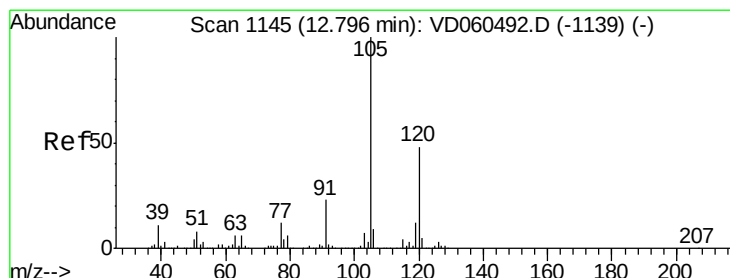
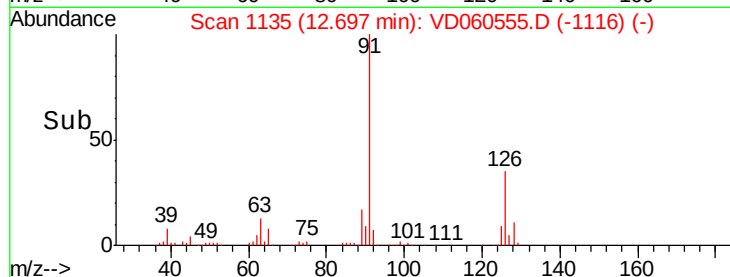
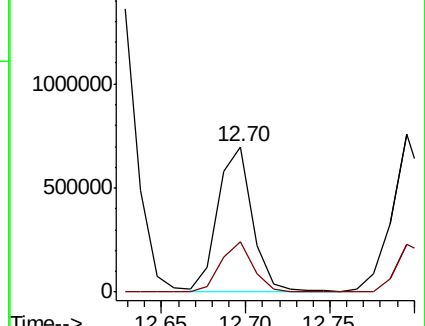
91 100

126 35.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.862 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060555.D

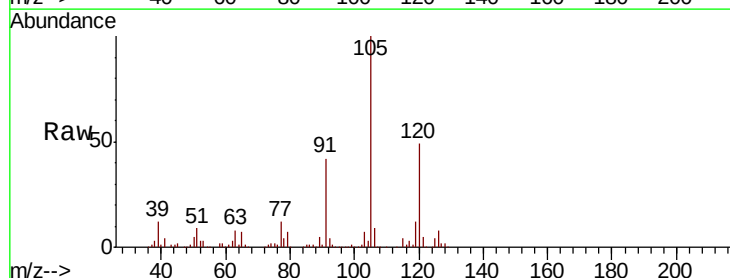
Acq: 13 Dec 2018 12:28

Tgt Ion: 105 Resp: 1106744

Ion Ratio Lower Upper

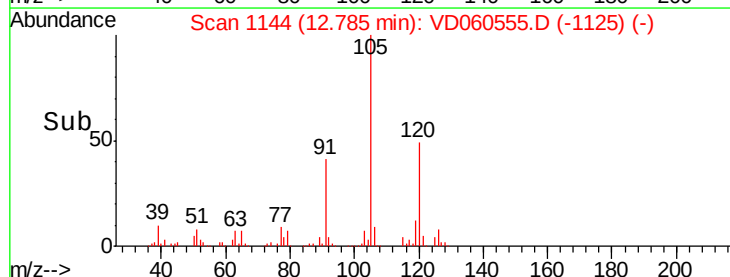
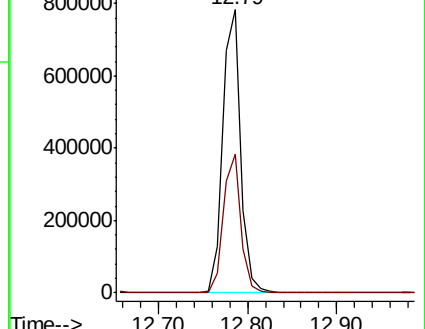
105 100

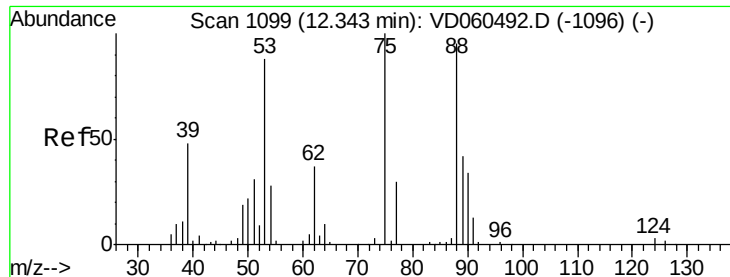
120 49.0 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.859 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

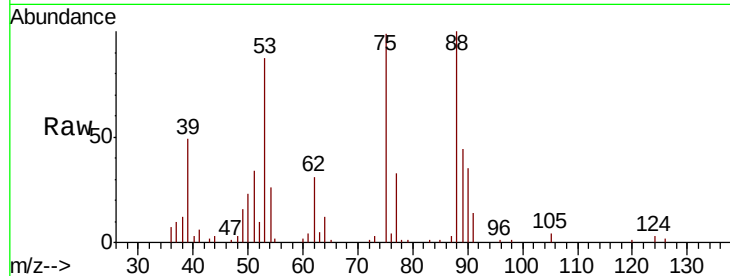
Tgt Ion: 75 Resp: 61714

Ion Ratio Lower Upper

75 100

53 88.1 70.5 105.7

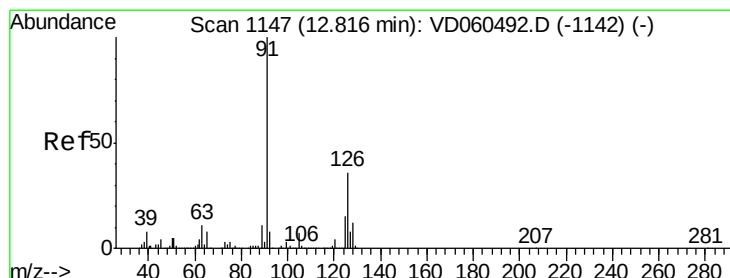
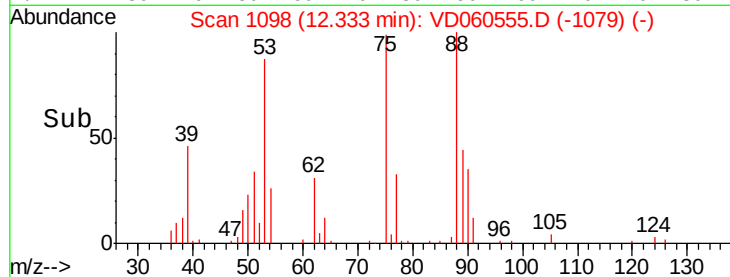
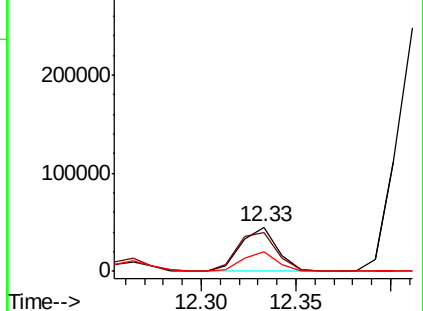
89 44.4 33.6 50.4



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: 21.665 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.02 min

Lab File: VD060555.D

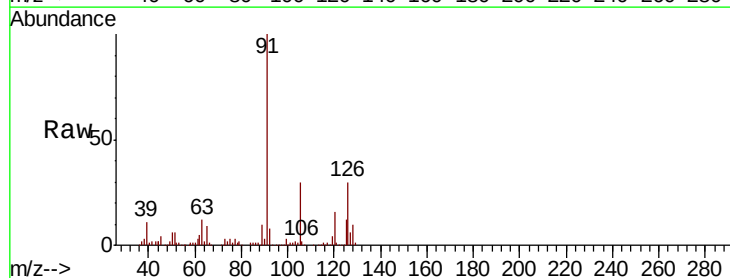
Acq: 13 Dec 2018 12:28

Tgt Ion: 91 Resp: 1105795

Ion Ratio Lower Upper

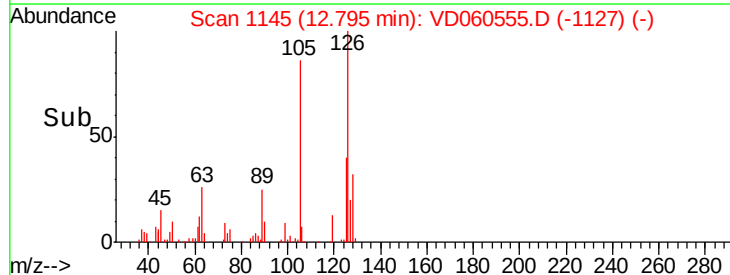
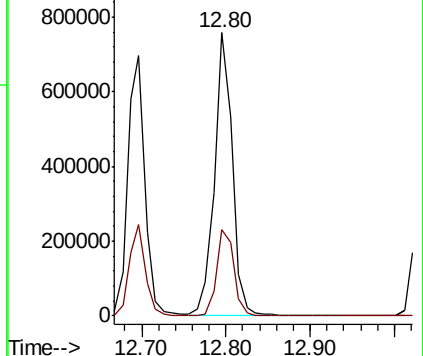
91 100

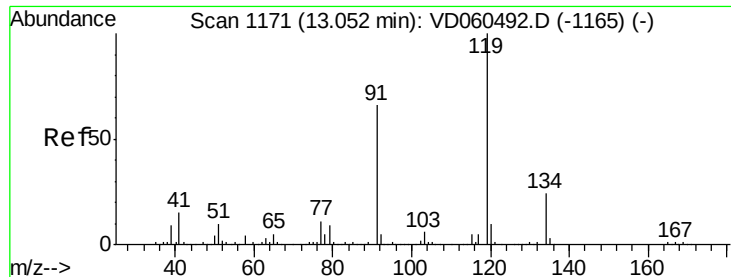
126 30.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 22.098 ug/l

RT: 13.03 min Scan# 1169

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

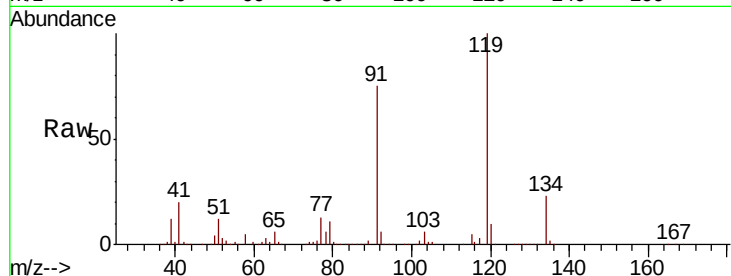
Tgt Ion:119 Resp: 1254302

Ion Ratio Lower Upper

119 100

91 74.5 33.1 99.2

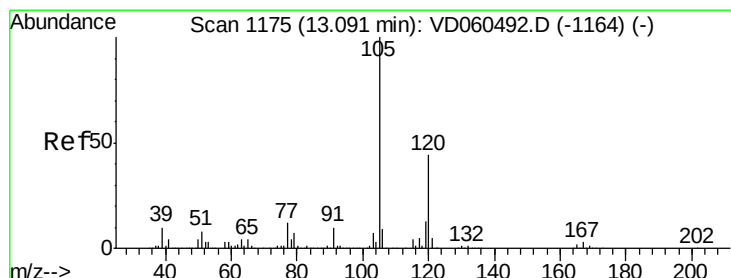
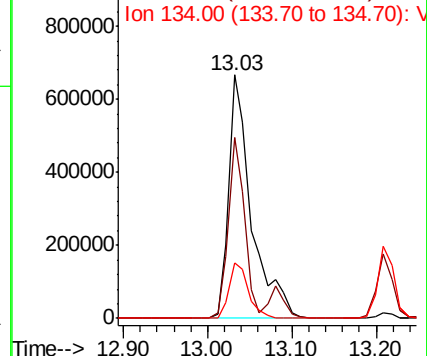
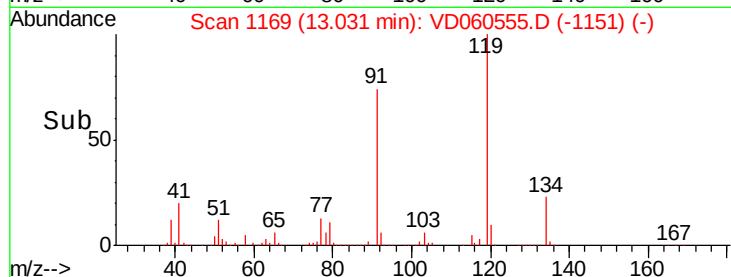
134 23.0 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.647 ug/l

RT: 13.08 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VD060555.D

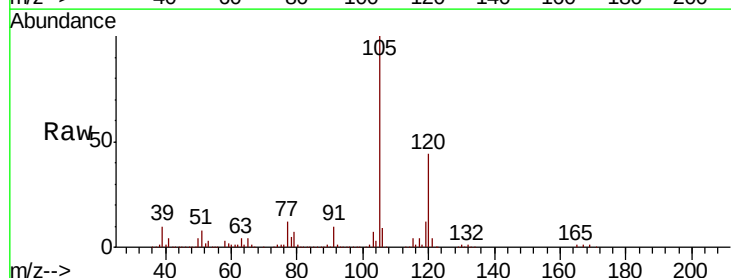
Acq: 13 Dec 2018 12:28

Tgt Ion:105 Resp: 1134679

Ion Ratio Lower Upper

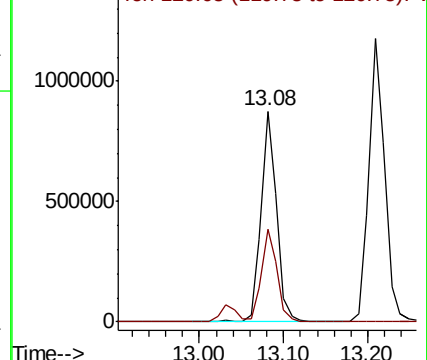
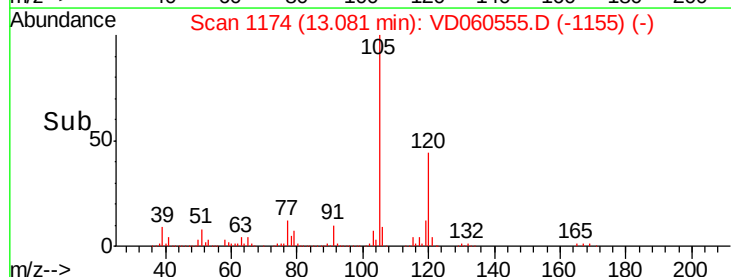
105 100

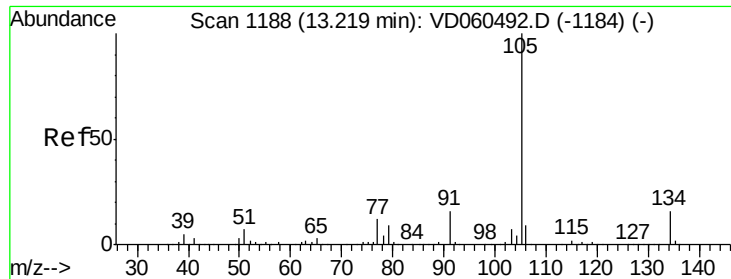
120 44.0 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

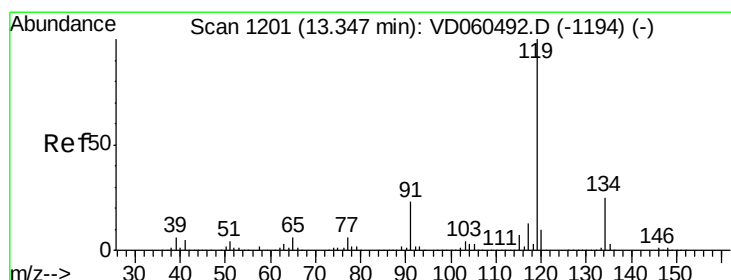
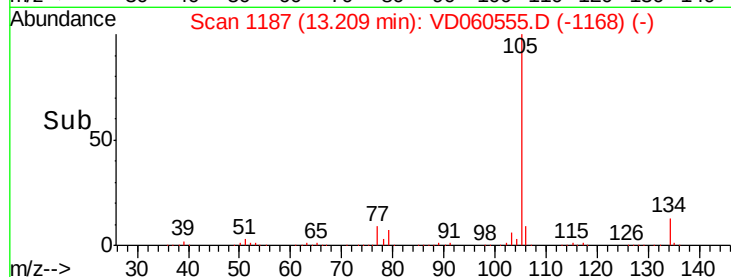
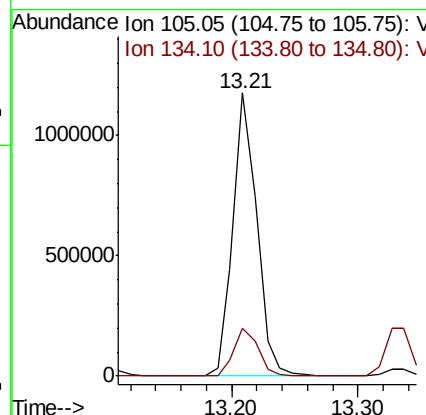
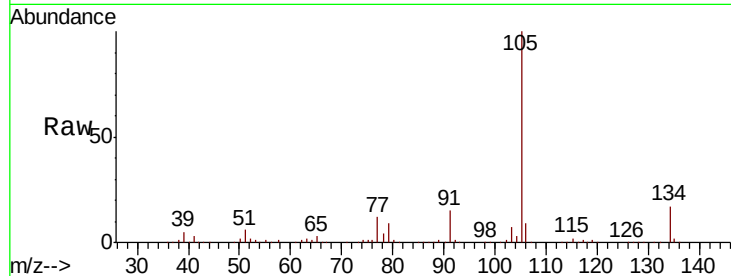




#85
 sec-Butylbenzene
 Concen: 21.674 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

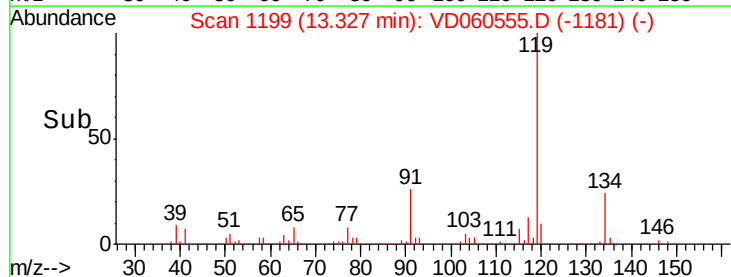
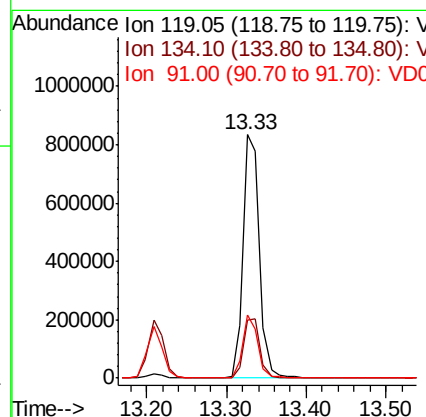
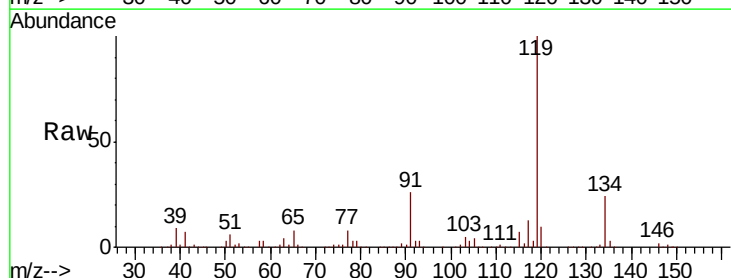
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

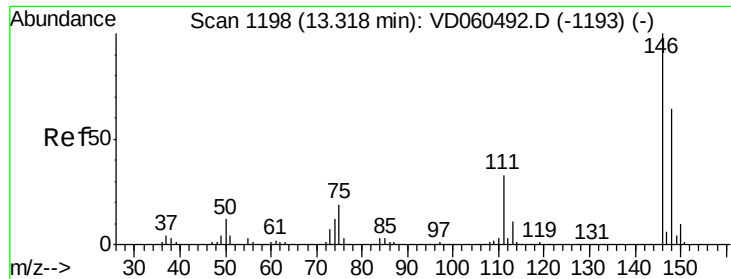
Tgt Ion:105 Resp: 1533312
 Ion Ratio Lower Upper
 105 100
 134 16.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 21.373 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion:119 Resp: 1198591
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.5 37.5
 91 26.1 11.5 34.4

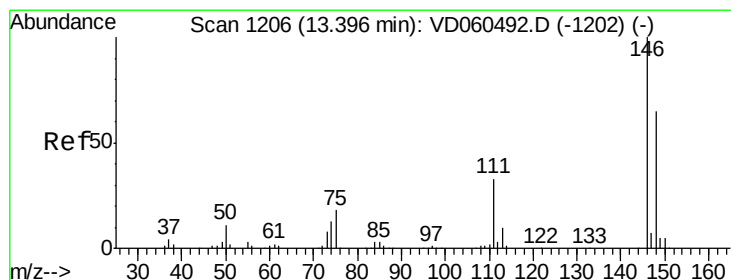
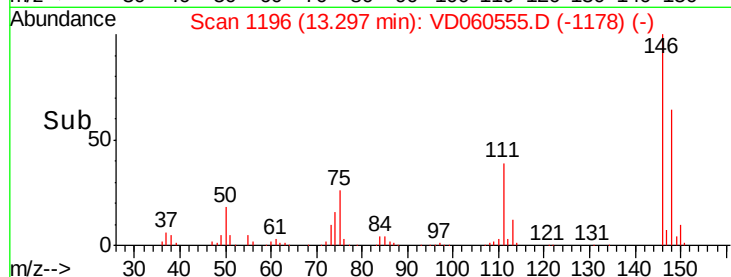
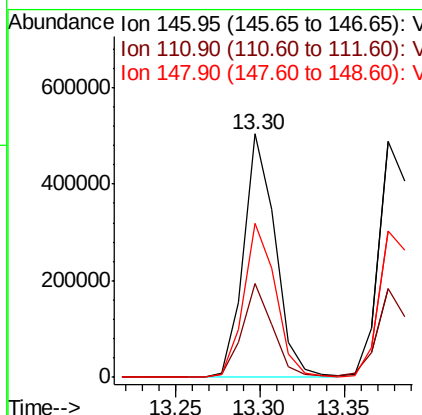
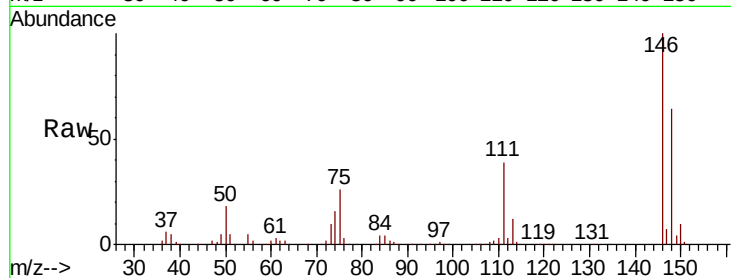




#87
 1,3-Dichlorobenzene
 Concen: 20.857 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

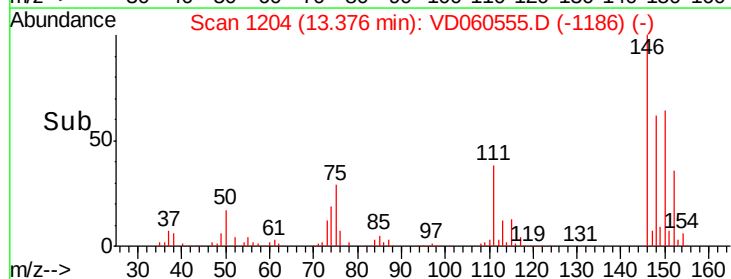
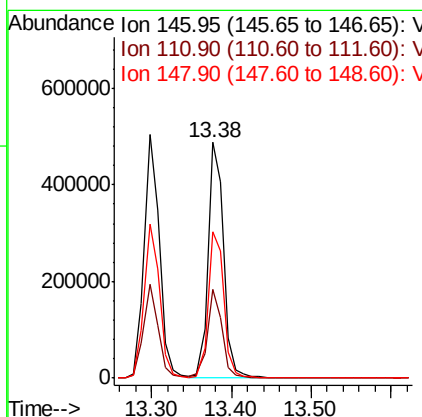
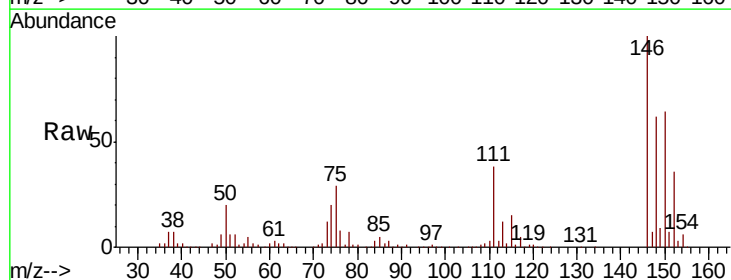
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

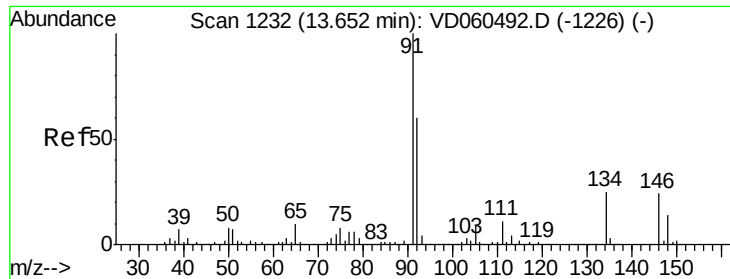
Tgt Ion:146 Resp: 657639
 Ion Ratio Lower Upper
 146 100
 111 38.7 16.5 49.5
 148 63.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.404 ug/l
 RT: 13.38 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion:146 Resp: 662067
 Ion Ratio Lower Upper
 146 100
 111 37.8 16.4 49.1
 148 62.3 32.6 98.0





#89

n-Butylbenzene

Concen: 20.774 ug/l

RT: 13.63 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD060555.D

Acq: 13 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

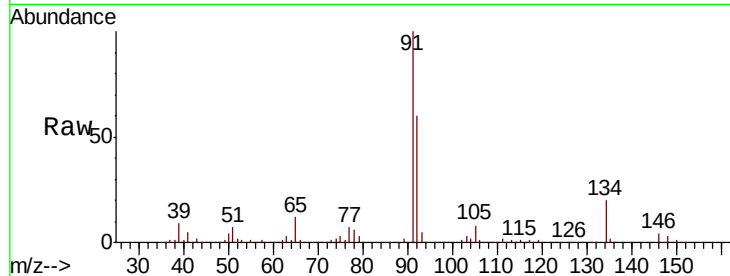
Tgt Ion: 91 Resp: 1293556

Ion Ratio Lower Upper

91 100

92 59.6 30.0 90.1

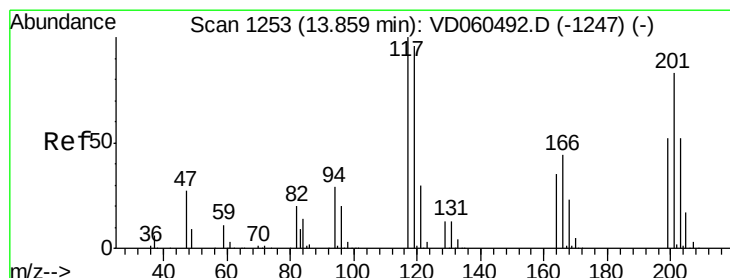
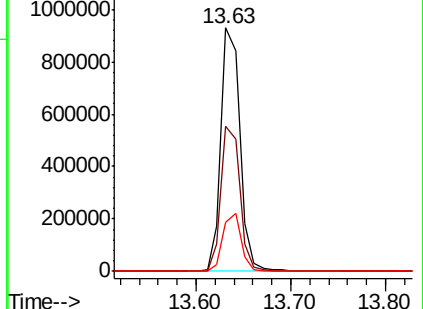
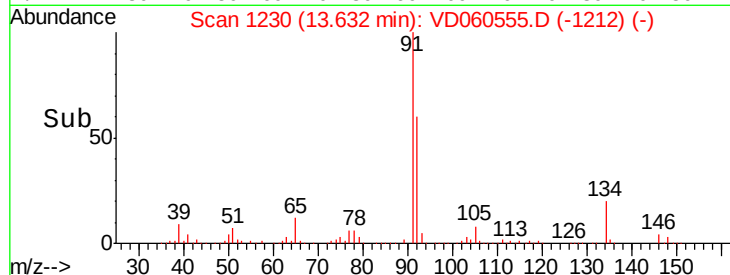
134 20.1 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.723 ug/l

RT: 13.85 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VD060555.D

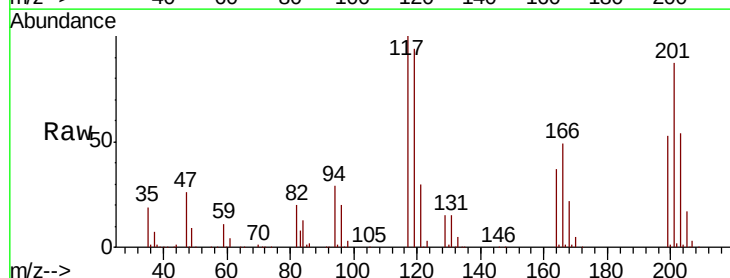
Acq: 13 Dec 2018 12:28

Tgt Ion: 117 Resp: 291378

Ion Ratio Lower Upper

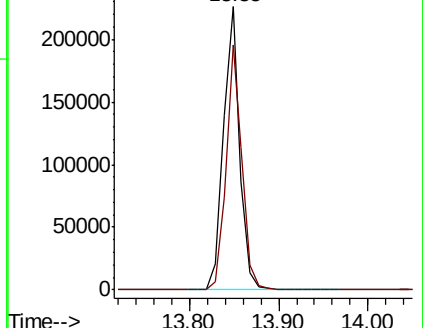
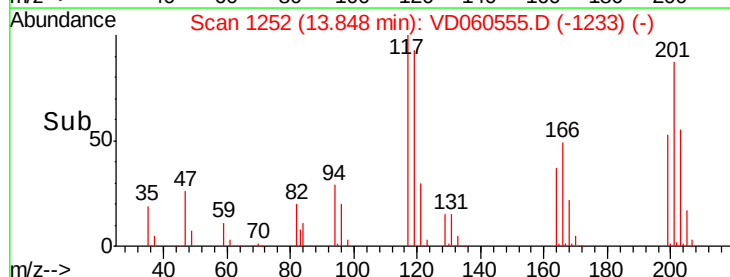
117 100

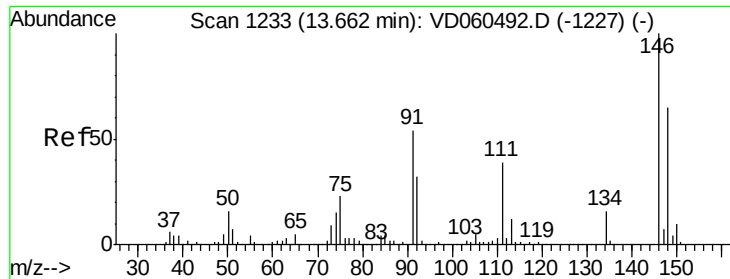
201 86.5 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

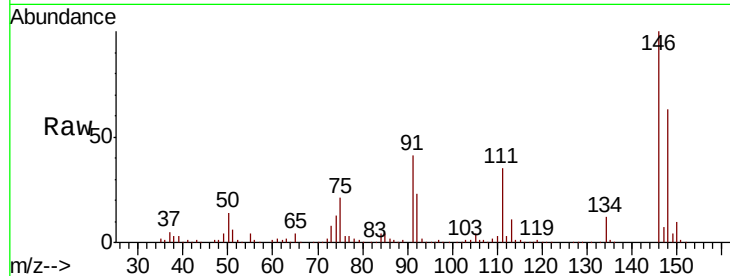




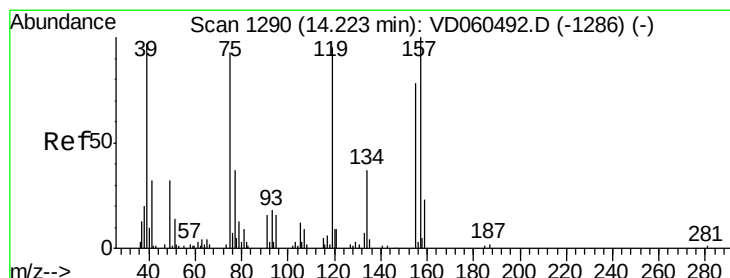
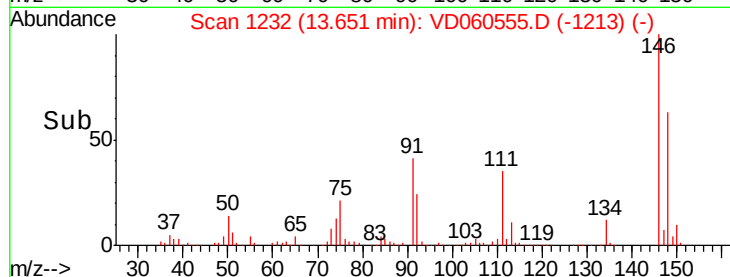
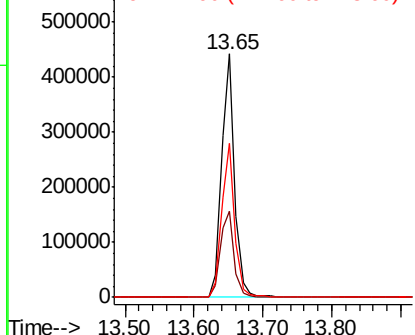
#91
 1,2-Dichlorobenzene
 Concen: 22.135 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tgt Ion: 146 Resp: 570347
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.3 57.8
 148 63.4 32.3 96.8

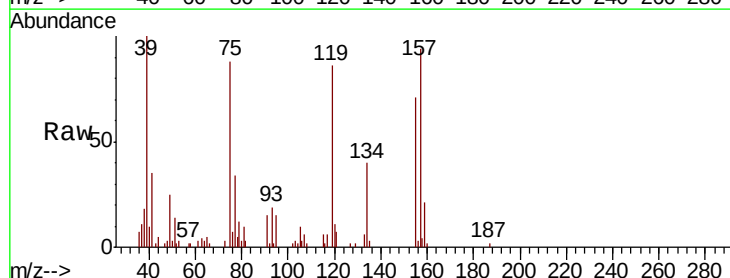


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

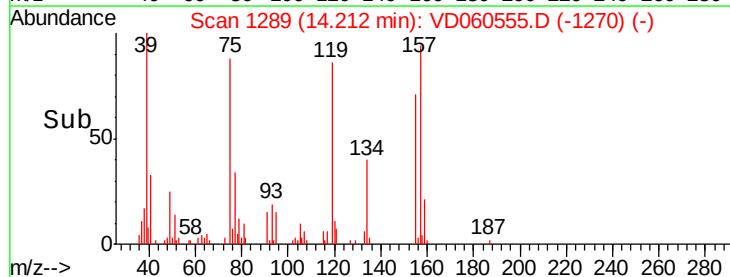
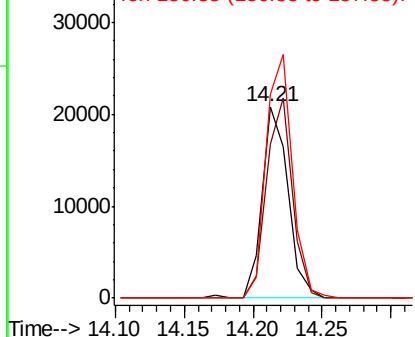


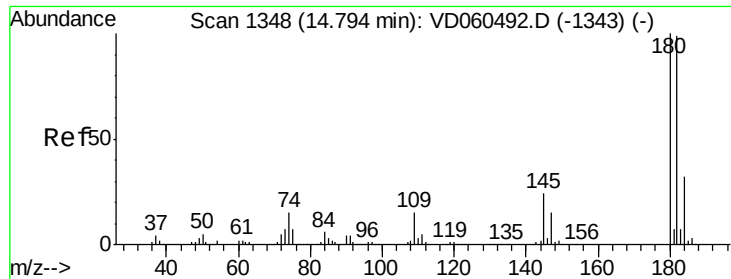
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.275 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion: 75 Resp: 27341
 Ion Ratio Lower Upper
 75 100
 155 80.4 41.6 124.9
 157 106.6 53.6 160.8



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

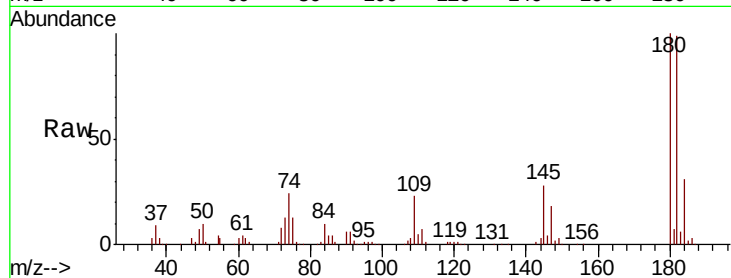




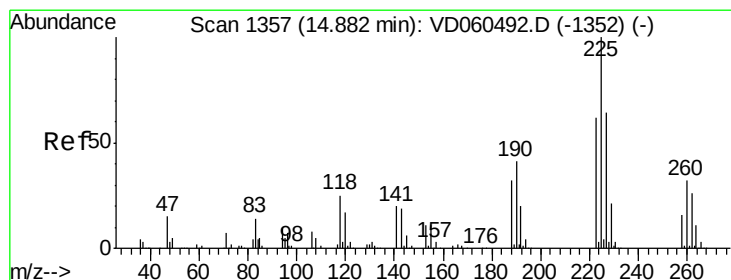
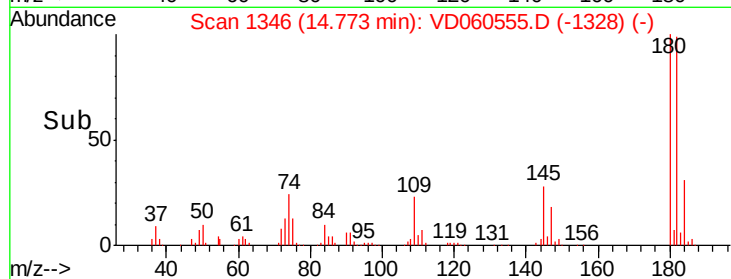
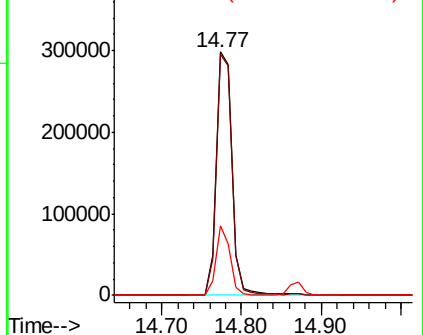
#93
 1,2,4-Trichlorobenzene
 Concen: 20.818 ug/l
 RT: 14.77 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tgt Ion:180 Resp: 419340
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.4 148.0
 145 28.3 11.9 35.9

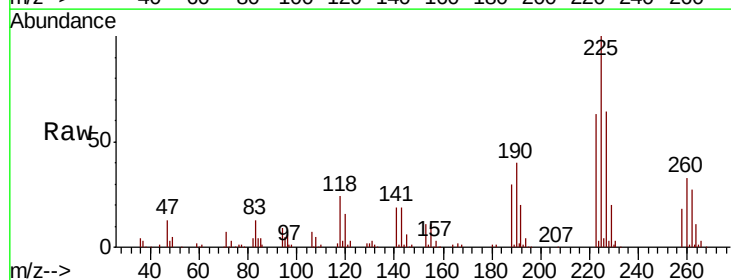


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

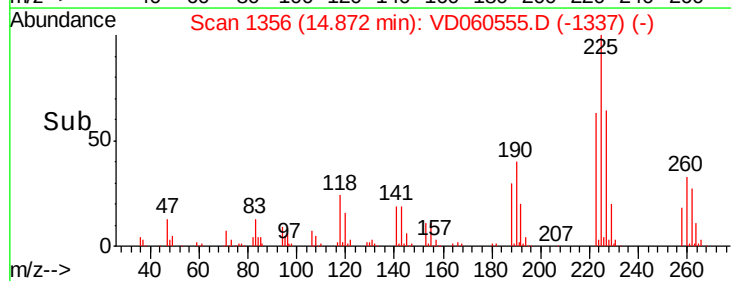
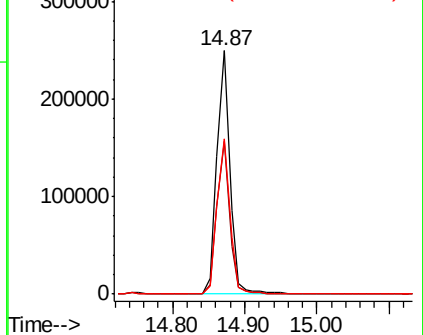


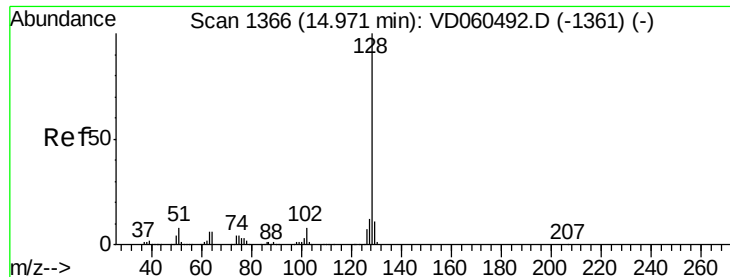
#94
 Hexachlorobutadiene
 Concen: 20.758 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060555.D
 Acq: 13 Dec 2018 12:28

Tgt Ion:225 Resp: 308498
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.2 93.6
 227 64.0 32.0 96.0



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

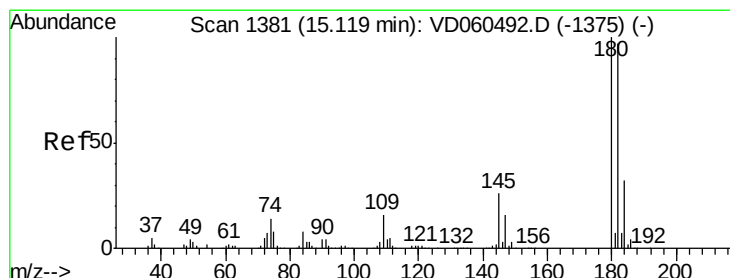
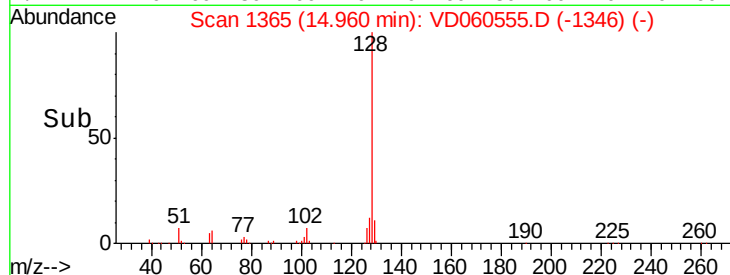
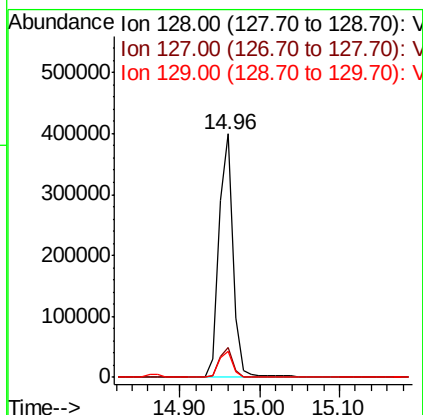
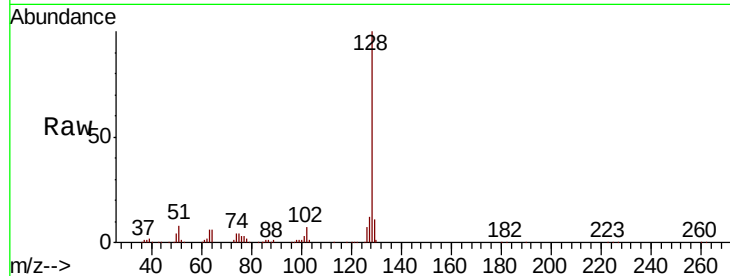




#95
Naphthalene
Concen: 21.044 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tgt Ion:128 Resp: 504290
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.786 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060555.D
Acq: 13 Dec 2018 12:28

Tgt Ion:180 Resp: 333614
Ion Ratio Lower Upper
180 100
182 98.0 48.5 145.5
145 24.3 12.9 38.7

