

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060759.D
 Acq On : 18 Jan 2019 13:20
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 19 02:49:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1524354	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.98	114	2346651	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1670599	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.32	152	816401	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	1719825	163.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	326.52%	
35) Dibromofluoromethane	6.69	113	1698075	98.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	197.72%	
50) Toluene-d8	10.19	98	4075533	79.53	ug/l	0.02
Spiked Amount	50.000		Recovery	=	159.06%	
62) 4-Bromofluorobenzene	13.36	95	1823204	101.58	ug/l	0.02
Spiked Amount	50.000		Recovery	=	203.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	1785303	91.660	ug/l	99
3) Chloromethane	1.76	50	991315	55.302	ug/l	98
4) Vinyl Chloride	1.85	62	1083785	76.153	ug/l	98
5) Bromomethane	2.14	94	214752	67.364	ug/l	96
6) Chloroethane	2.24	64	226776	53.394	ug/l	95
7) Trichlorofluoromethane	2.48	101	1461708	92.340	ug/l	98
8) Diethyl Ether	2.81	74	266421	100.597	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.06	101	868989	84.631	ug/l	89
10) Methyl Iodide	3.21	142	988738	91.624	ug/l #	72
11) Tert butyl alcohol	3.93	59	539943	1226.432	ug/l	96
12) 1,1-Dichloroethene	3.04	96	591202	70.073	ug/l #	56
13) Acrolein	2.96	56	213824	476.605	ug/l	93
14) Allyl chloride	3.50	41	1331300	85.995	ug/l #	76
15) Acrylonitrile	4.05	53	1349935	528.152	ug/l	96
16) Acetone	3.13	43	1226353	666.612	ug/l #	89
17) Carbon Disulfide	3.28	76	2194890	81.460	ug/l	99
18) Methyl Acetate	3.53	43	454003	99.577	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	3322913	155.241	ug/l	96
20) Methylene Chloride	3.68	84	1449712	75.880	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	1389583	80.424	ug/l #	81
22) Diisopropyl ether	4.89	45	4875812	92.761	ug/l	90
23) Vinyl Acetate	4.84	43	12945242	509.051	ug/l	99
24) 1,1-Dichloroethane	4.77	63	2819765	101.989	ug/l	96
25) 2-Butanone	5.84	43	2326627	660.906	ug/l	95
26) 2,2-Dichloropropane	5.79	77	2685786	123.066	ug/l	88
27) cis-1,2-Dichloroethene	5.80	96	1554668	88.637	ug/l	75
28) Bromochloromethane	6.20	49	1097178	93.937	ug/l	89
29) Tetrahydrofuran	6.23	42	1107965	555.178	ug/l #	82
30) Chloroform	6.42	83	3185419	114.501	ug/l	100
31) Cyclohexane	6.72	56	2364959	88.886	ug/l	97
32) 1,1,1-Trichloroethane	6.64	97	2844129	123.570	ug/l	96
36) 1,1-Dichloropropene	6.91	75	2048745	84.785	ug/l	96
37) Ethyl Acetate	5.95	43	1028505	101.771	ug/l #	97
38) Carbon Tetrachloride	6.87	117	2369328	111.142	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	2137424	77.557	ug/l	89
40) Benzene	7.22	78	5120816	82.042	ug/l	100
41) Methacrylonitrile	6.21	41	573548m	102.602	ug/l	
42) 1,2-Dichloroethane	7.35	62	2265730	146.276	ug/l	91
43) Isopropyl Acetate	9.01	43	1659439	127.956	ug/l	91
44) Trichloroethene	8.30	130	1650121	89.321	ug/l	92
45) 1,2-Dichloropropane	8.70	63	1360873	88.904	ug/l	100
46) Dibromomethane	8.83	93	950486	108.797	ug/l	95
47) Bromodichloromethane	9.15	83	2480000	119.853	ug/l	99
48) Methyl methacrylate	8.89	41	1048385	133.097	ug/l	92
49) 1,4-Dioxane	8.86	88	190643	2603.056	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	4557550	573.589	ug/l	92
52) Toluene	10.29	92	2965236	75.781	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	2176493	126.079	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	2438313	107.912	ug/l	91
55) 1,1,2-Trichloroethane	10.98	97	1046466	99.398	ug/l	98
56) Ethyl methacrylate	10.82	69	1276518	130.541	ug/l	92
57) 1,3-Dichloropropane	11.19	76	1873143	112.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.64	63	2712220	470.720	ug/l	96
59) 2-Hexanone	11.32	43	3617708	650.471	ug/l	92
60) Dibromochloromethane	11.47	129	1628342	121.426	ug/l	99
61) 1,2-Dibromoethane	11.60	107	1226456	112.312	ug/l	100
64) Tetrachloroethene	11.04	164	1377933	91.002	ug/l	93
65) Chlorobenzene	12.19	112	3147736	85.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	1240031	104.490	ug/l	94
67) Ethyl Benzene	12.32	91	5073539	80.263	ug/l	94
68) m/p-Xylenes	12.46	106	3406454	147.460	ug/l	79
69) o-Xylene	12.85	106	1763825	80.480	ug/l	73
70) Styrene	12.87	104	2886521	81.776	ug/l #	85
71) Bromoform	13.04	173	1105783	141.157	ug/l #	96
73) Isopropylbenzene	13.20	105	5106768	87.856	ug/l	96
74) N-amyl acetate	13.06	43	2061627	150.280	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.50	83	1237098	131.303	ug/l	99
76) 1,2,3-Trichloropropane	13.54	75	1405679	151.236	ug/l	99
77) Bromobenzene	13.47	156	1567654	102.153	ug/l	88
78) n-propylbenzene	13.58	91	6557487	88.244	ug/l	98
79) 2-Chlorotoluene	13.65	91	4069543	102.245	ug/l	94
80) 1,3,5-Trimethylbenzene	14.04	105	4384521	97.684	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.27	75	406977	158.460	ug/l #	85
82) 4-Chlorotoluene	13.75	91	3814598	84.556	ug/l	98
83) tert-Butylbenzene	13.99	119	4616560	90.376	ug/l	78
84) 1,2,4-Trimethylbenzene	14.04	105	4384521	94.845	ug/l	92
85) sec-Butylbenzene	14.17	105	5446032	87.422	ug/l	100
86) p-Isopropyltoluene	14.30	119	4409105	87.680	ug/l	89
87) 1,3-Dichlorobenzene	14.26	146	2596490	92.168	ug/l	92
88) 1,4-Dichlorobenzene	14.34	146	2448246	88.193	ug/l	96
89) n-Butylbenzene	14.60	91	3716117	72.316	ug/l	97
90) Hexachloroethane	14.81	117	1333908	107.978	ug/l	82
91) 1,2-Dichlorobenzene	14.61	146	1767538	78.216	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.18	75	243072	219.604	ug/l	82

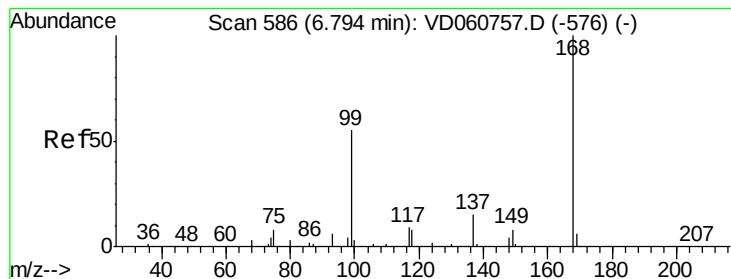
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1818117	101.108	ug/l	96
94) Hexachlorobutadiene	15.84	225	1219543	91.754	ug/l	99
95) Naphthalene	15.93	128	3165285	148.104	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	1612803	114.734	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

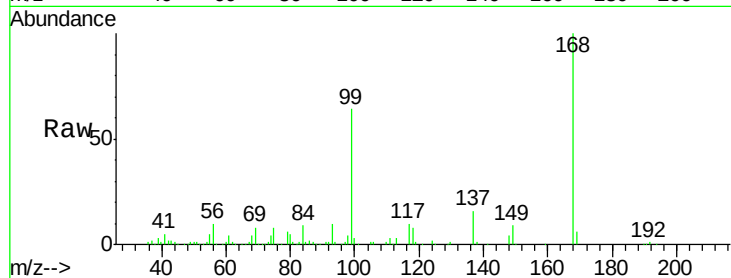
VSTDIC100

Tot Ion:168 Resp: 1524354

Ion Ratio Lower Upper

168 100

99 63.5 38.7 58.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

500000

400000

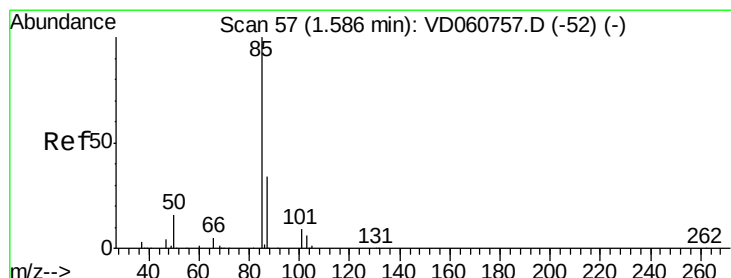
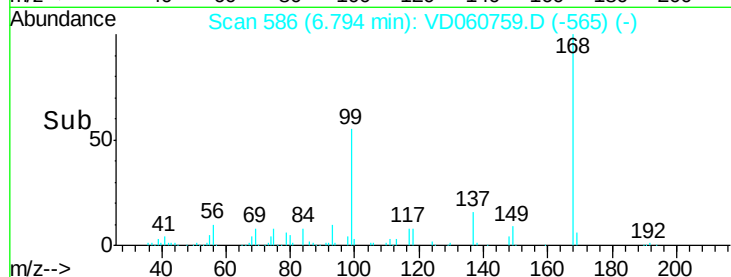
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 91.660 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060759.D

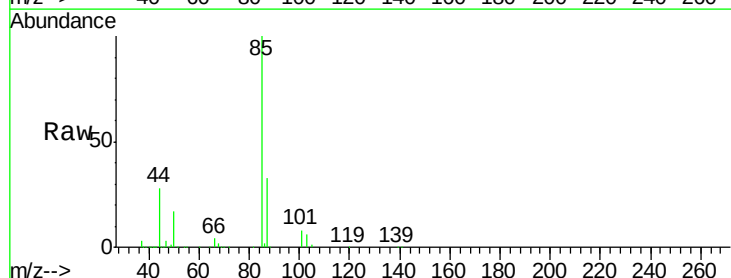
Acq: 18 Jan 2019 13:20

Tgt Ion: 85 Resp: 1785303

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

600000

500000

400000

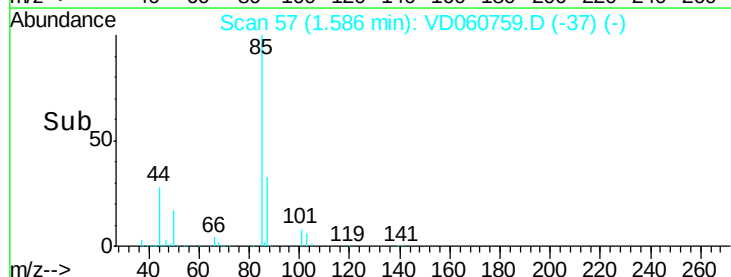
300000

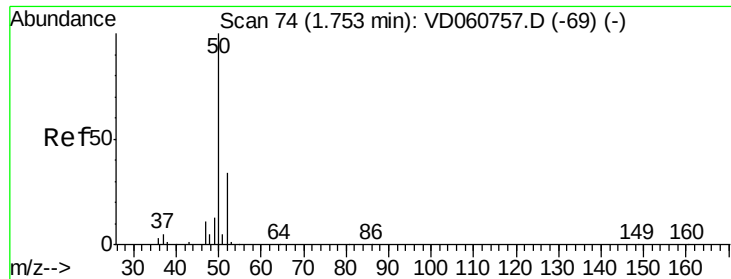
200000

100000

0

Time-->





#3

Chloromethane

Concen: 55.302 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

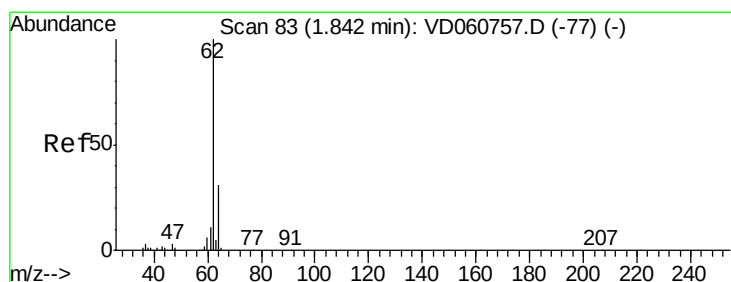
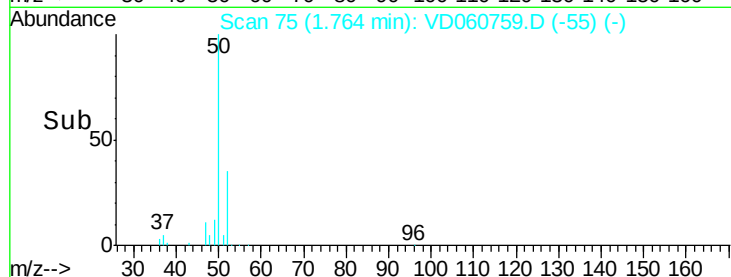
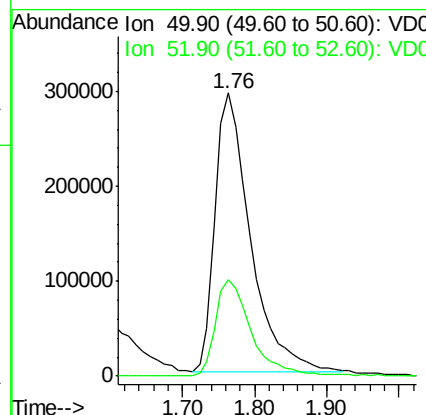
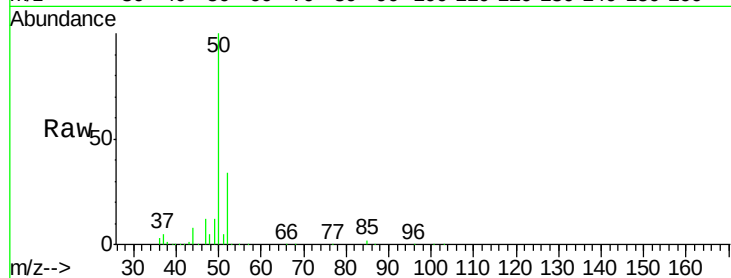
VSTDIC100

Tot Ion: 50 Resp: 991315

Ion Ratio Lower Upper

50 100

52 34.2 26.6 39.8



#4

Vinyl Chloride

Concen: 76.153 ug/l

RT: 1.85 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD060759.D

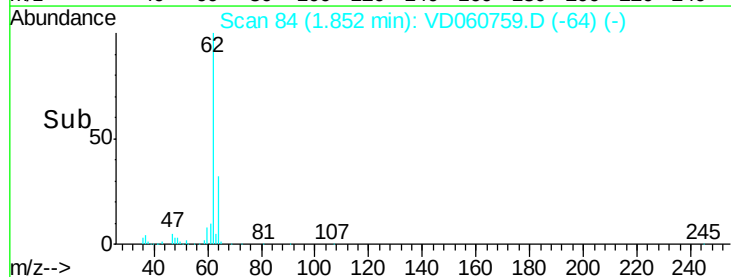
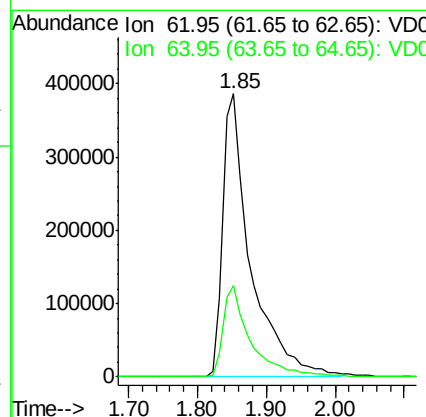
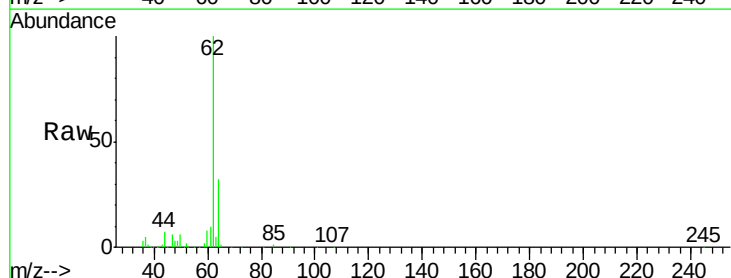
Acq: 18 Jan 2019 13:20

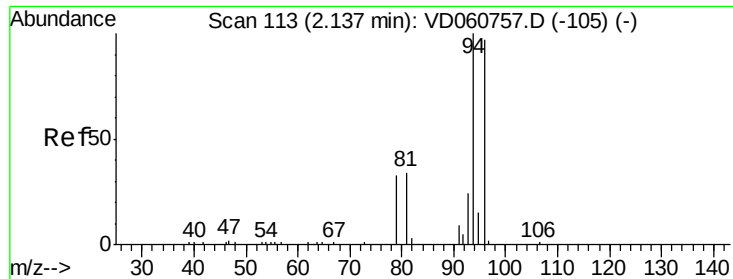
Tgt Ion: 62 Resp: 1083785

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 67.364 ug/l

RT: 2.14 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

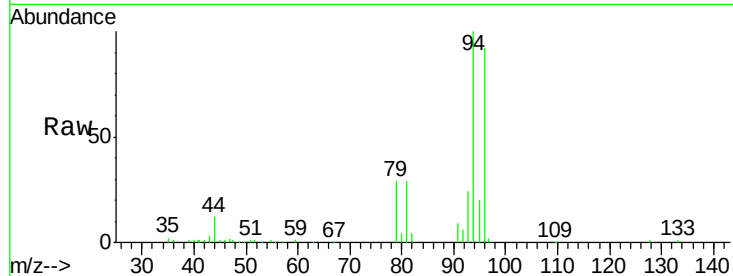
VSTDIC100

Tot Ion: 94 Resp: 214752

Ion Ratio Lower Upper

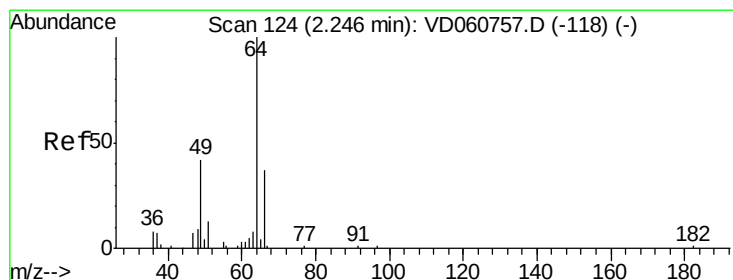
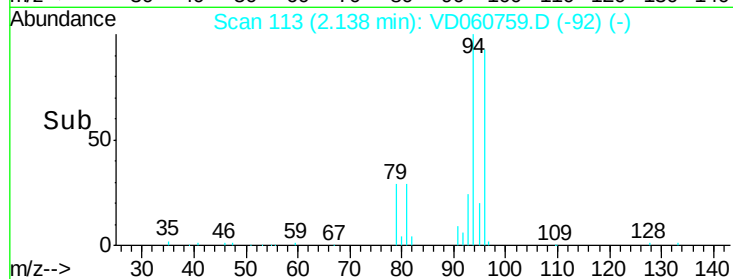
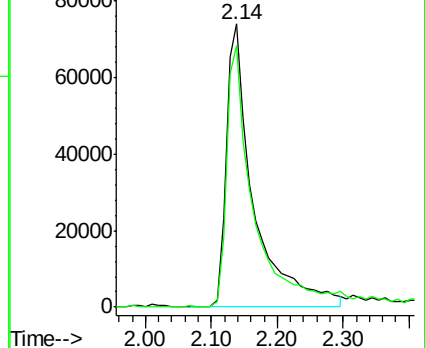
94 100

96 92.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.394 ug/l

RT: 2.24 min Scan# 123

Delta R.T. 0.00 min

Lab File: VD060759.D

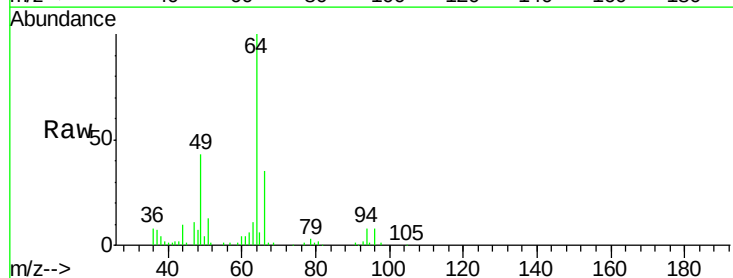
Acq: 18 Jan 2019 13:20

Tgt Ion: 64 Resp: 226776

Ion Ratio Lower Upper

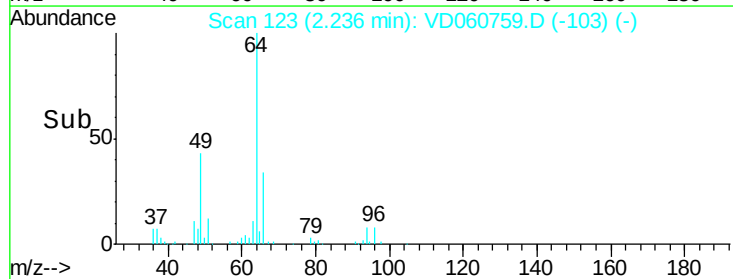
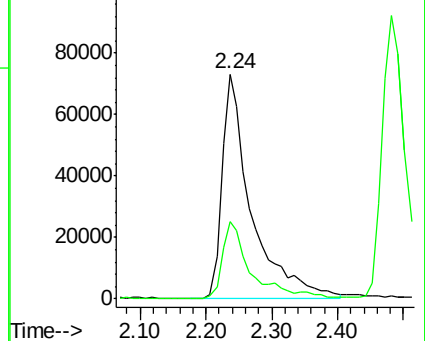
64 100

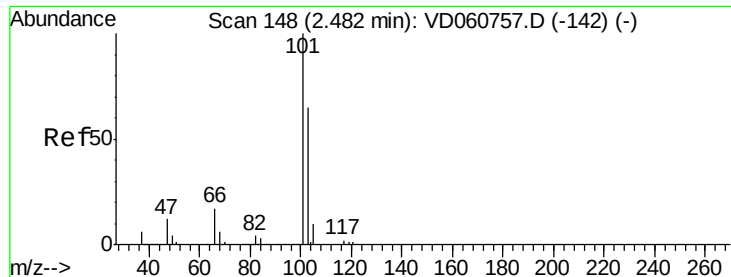
66 34.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



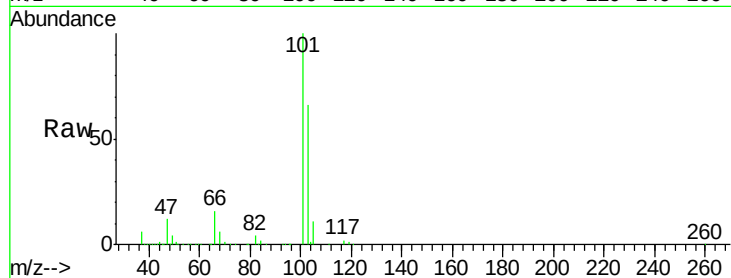


#7

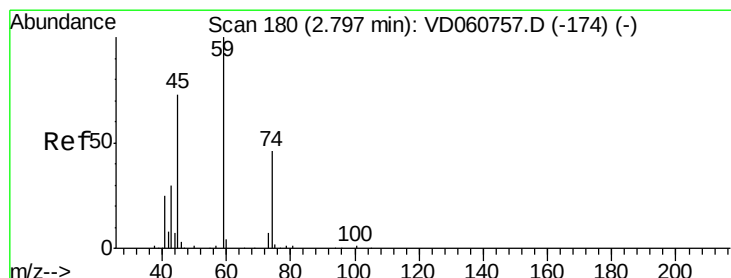
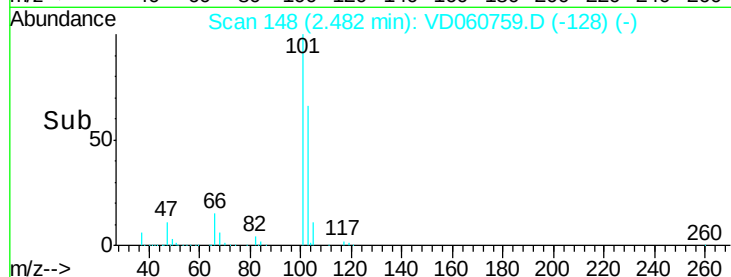
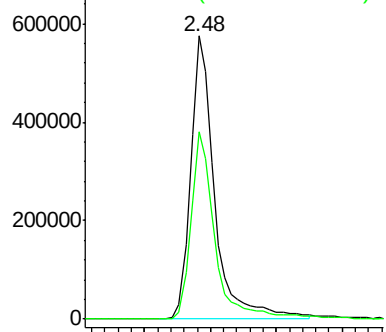
Trichlorofluoromethane
 Concen: 92.340 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1461708
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.9 77.9



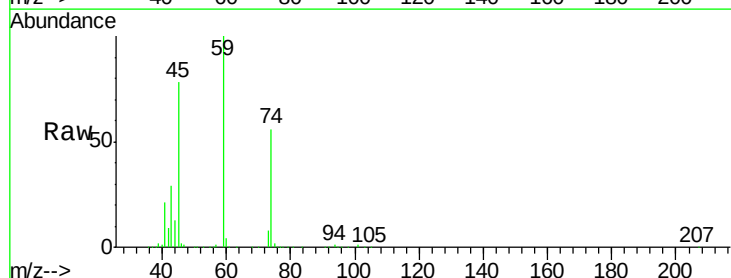
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



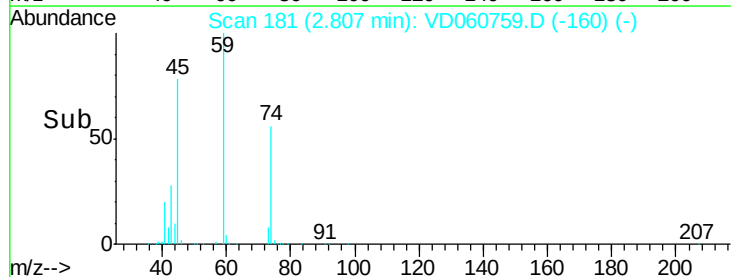
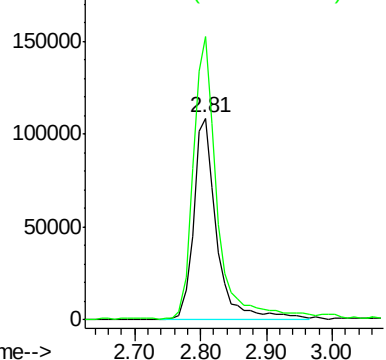
#8

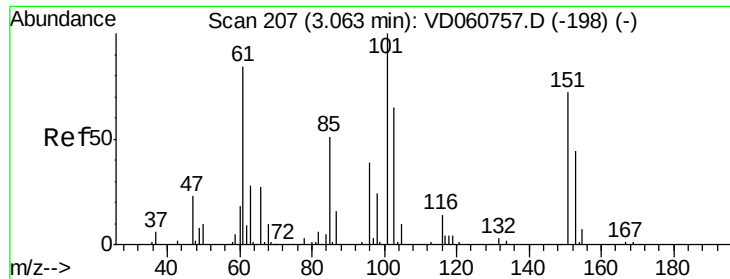
Diethyl Ether
 Concen: 100.597 ug/l
 RT: 2.81 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion: 74 Resp: 266421
 Ion Ratio Lower Upper
 74 100
 45 140.2 79.3 238.1



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: 84.631 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

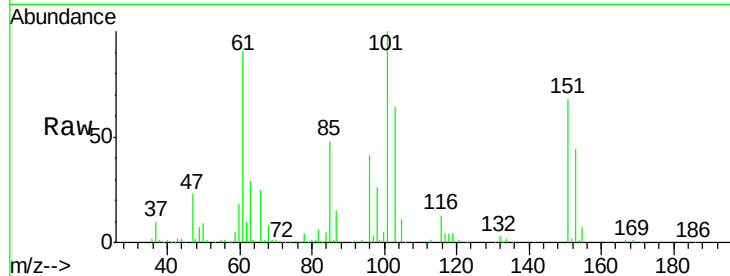
Tot Ion:101 Resp: 868989

Ion Ratio Lower Upper

101 100

85 48.0 33.4 50.0

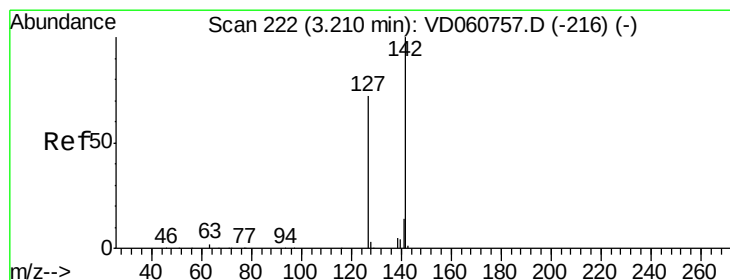
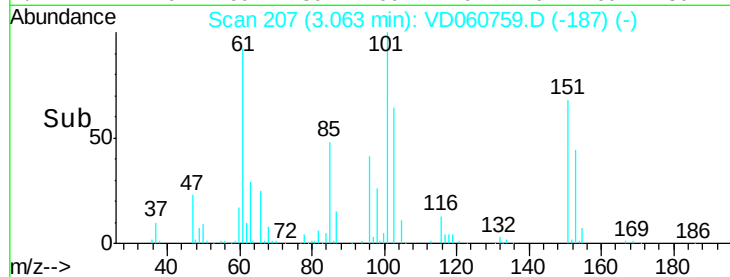
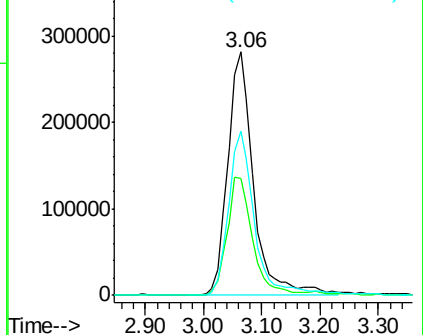
151 67.6 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 91.624 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

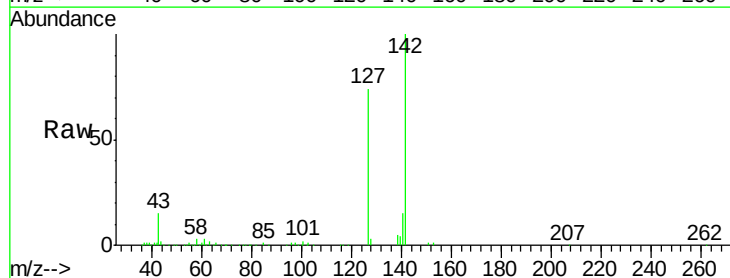
Tgt Ion:142 Resp: 988738

Ion Ratio Lower Upper

142 100

127 73.6 39.5 59.3#

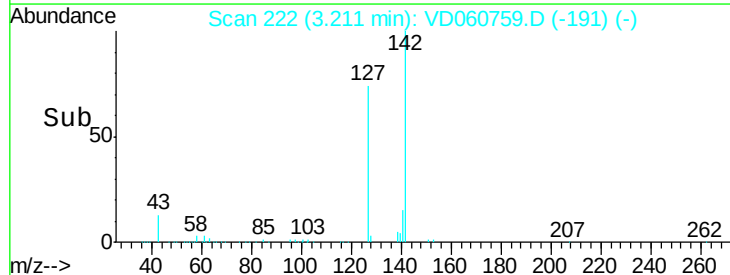
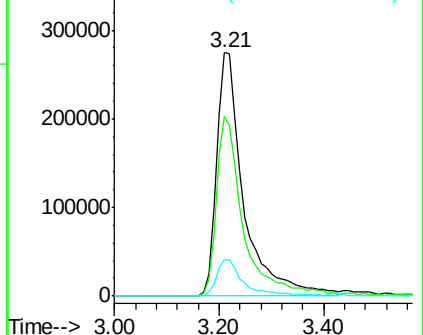
141 14.9 11.3 16.9

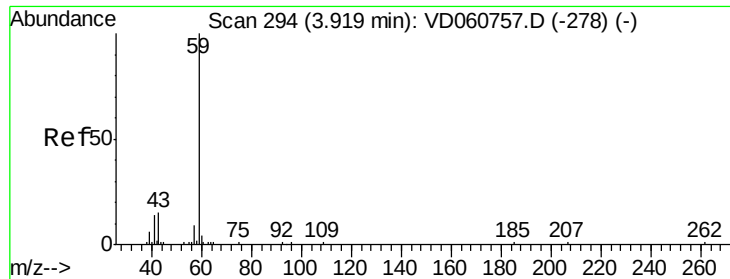


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

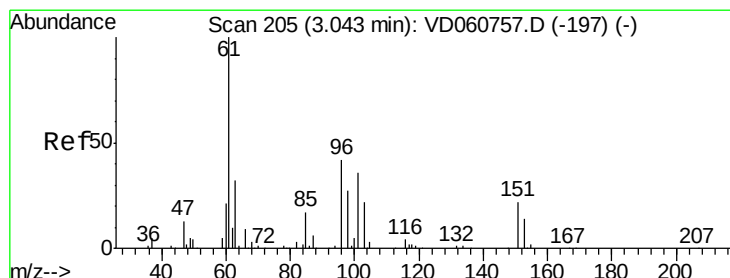
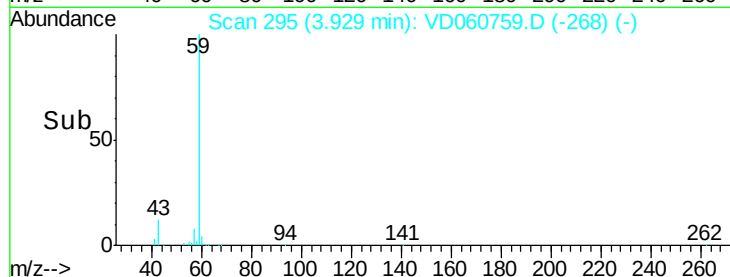
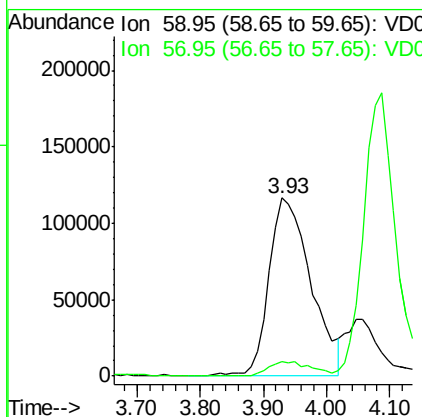
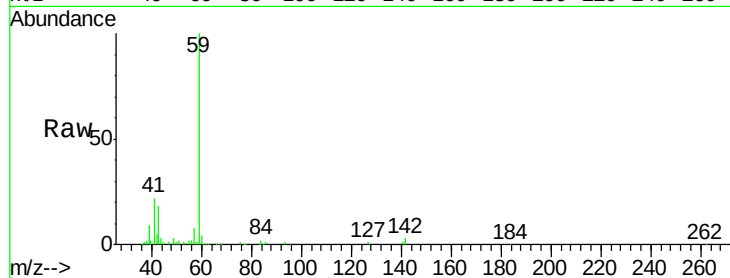




#11
Tert butyl alcohol
Concen: 1226.432 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.07 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

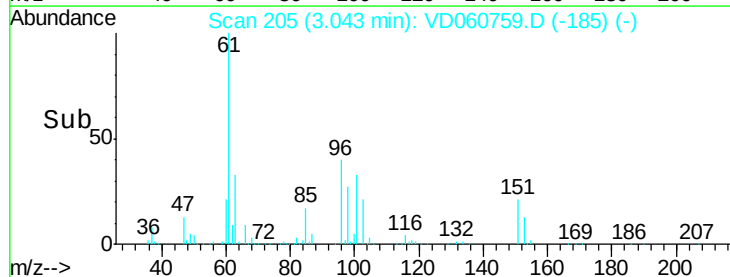
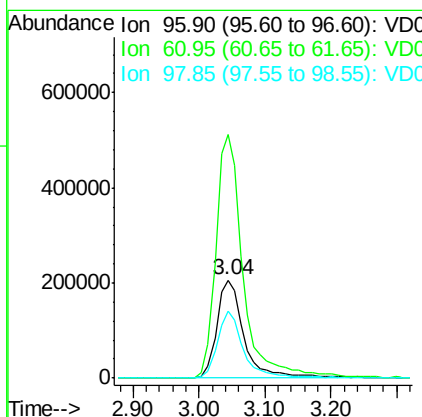
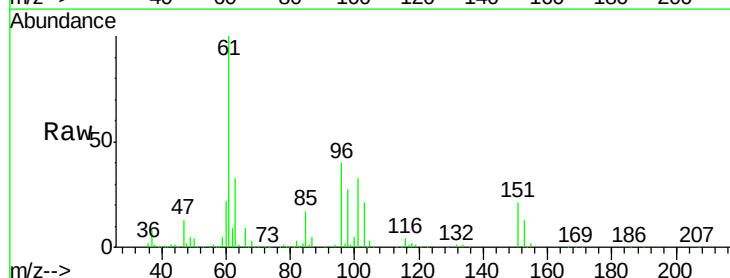
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

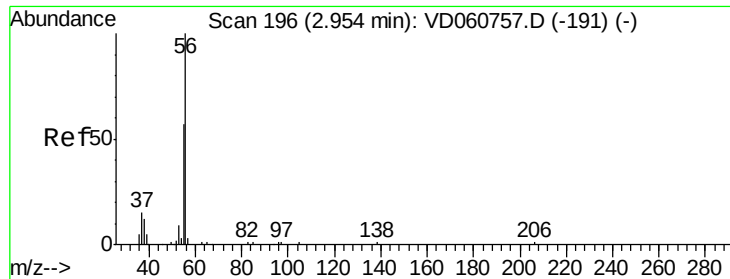
Tot Ion: 59 Resp: 539943
Ion Ratio Lower Upper
59 100
57 8.2 7.8 11.6



#12
1,1-Dichloroethene
Concen: 70.073 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 96 Resp: 591202
Ion Ratio Lower Upper
96 100
61 249.2 136.2 204.4#
98 68.1 50.7 76.1





#13

Acrolein

Concen: 476.605 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

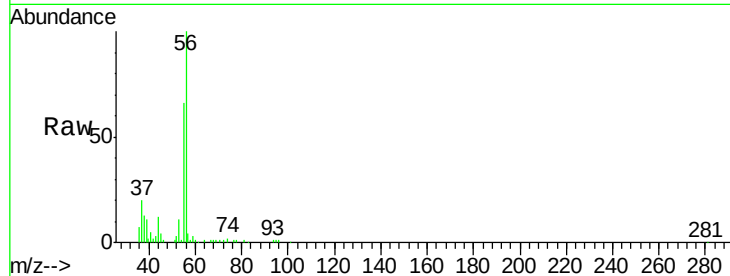
VSTDIC100

Tot Ion: 56 Resp: 213824

Ion Ratio Lower Upper

56 100

55 65.9 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

80000

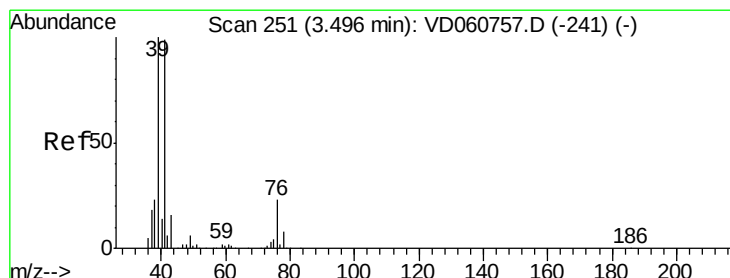
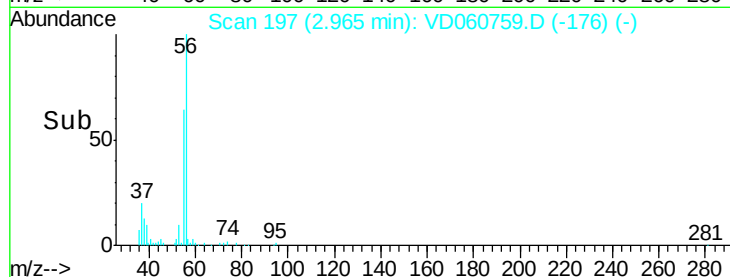
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 85.995 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

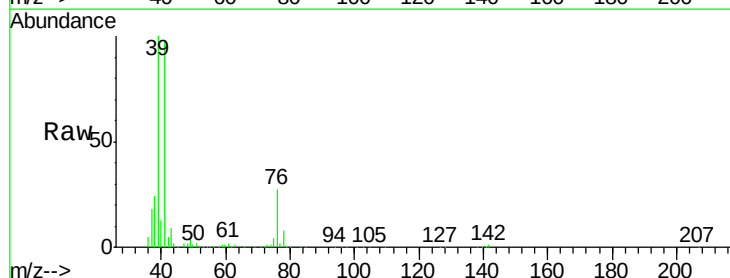
Tgt Ion: 41 Resp: 1331300

Ion Ratio Lower Upper

41 100

39 102.1 59.6 89.4#

76 27.6 21.8 32.6



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

600000

500000

400000

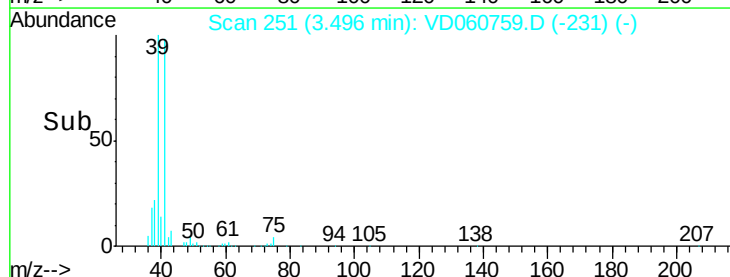
300000

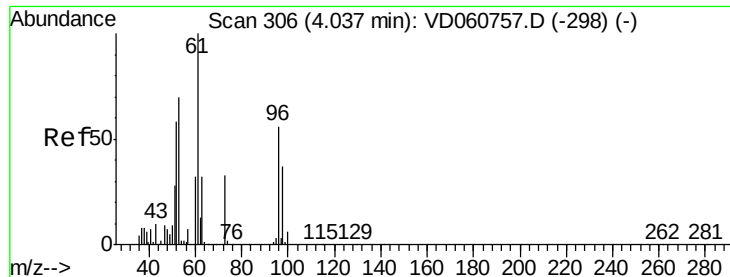
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 528.152 ug/l

RT: 4.05 min Scan# 307

Delta R.T. 0.03 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

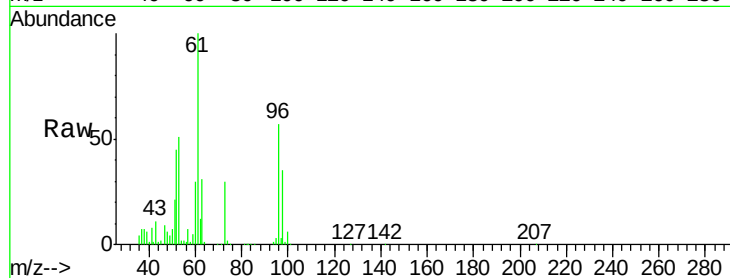
MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1349935

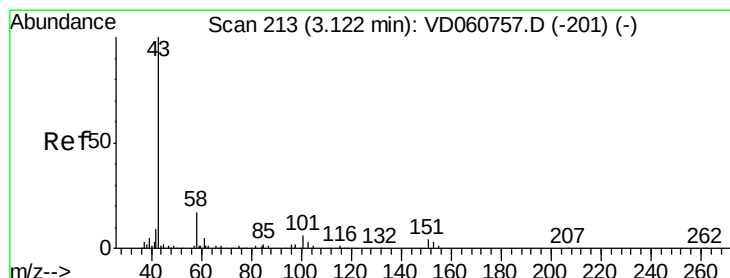
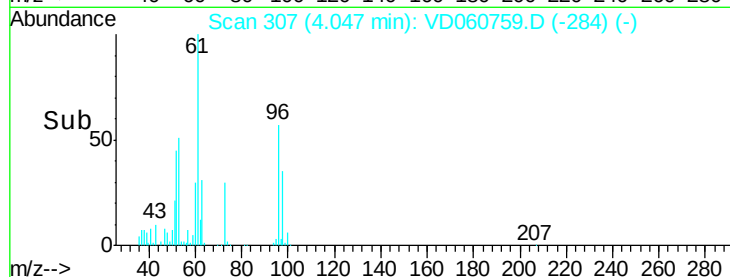
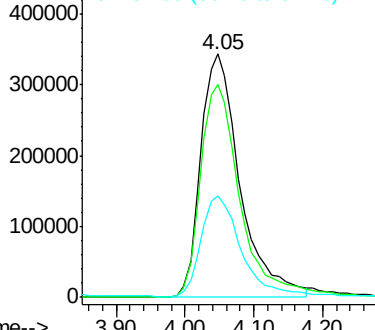
Ion	Ratio	Lower	Upper
53	100		
52	87.5	66.7	100.1
51	41.8	32.7	49.1



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: 666.612 ug/l

RT: 3.13 min Scan# 214

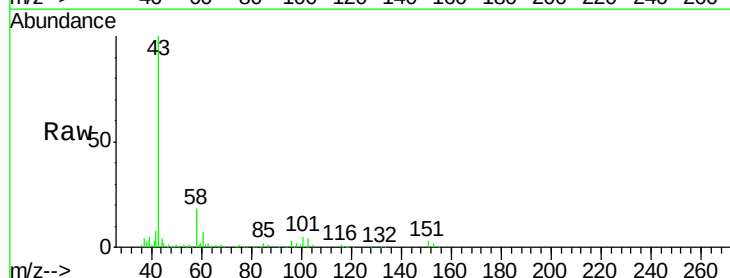
Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

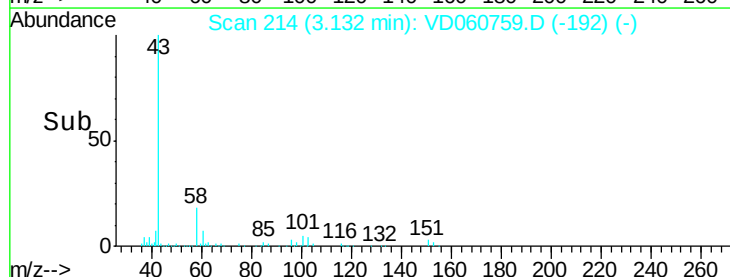
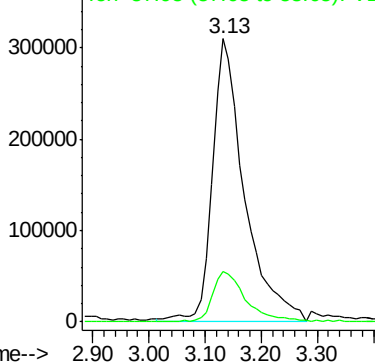
Tgt Ion: 43 Resp: 1226353

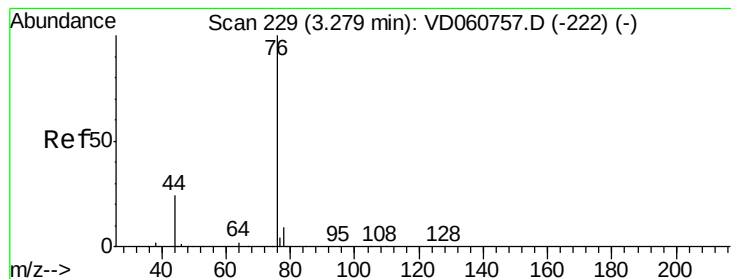
Ion	Ratio	Lower	Upper
43	100		
58	17.6	18.2	27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 81.460 ug/l

RT: 3.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

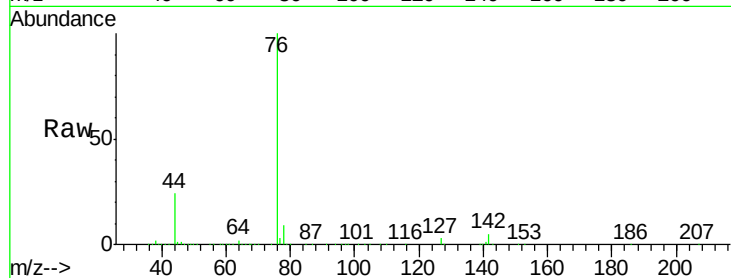
VSTDIC100

Tot Ion: 76 Resp: 2194890

Ion Ratio Lower Upper

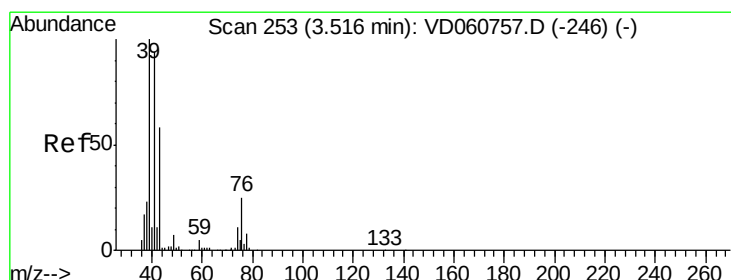
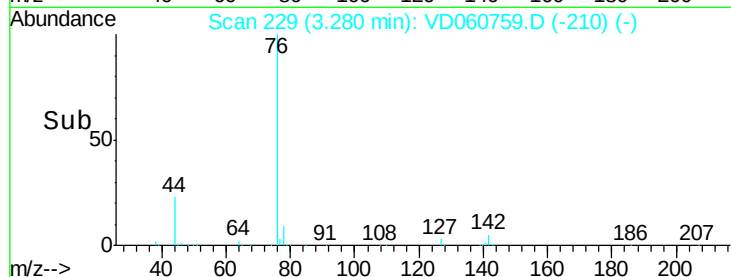
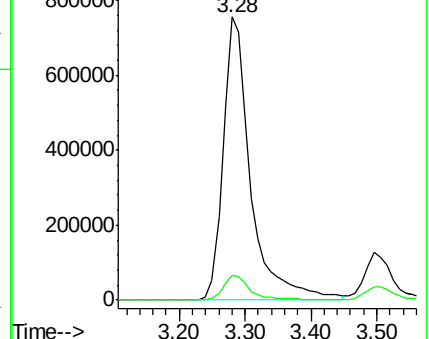
76 100

78 8.9 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 99.577 ug/l

RT: 3.53 min Scan# 254

Delta R.T. 0.03 min

Lab File: VD060759.D

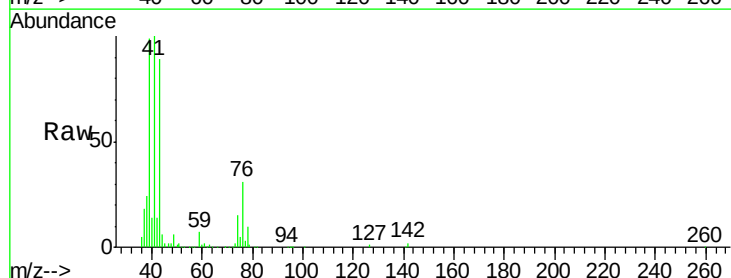
Acq: 18 Jan 2019 13:20

Tgt Ion: 43 Resp: 454003

Ion Ratio Lower Upper

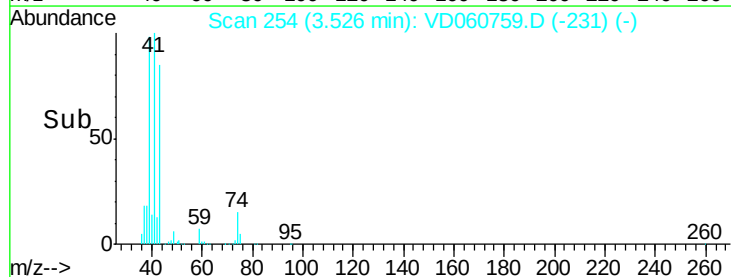
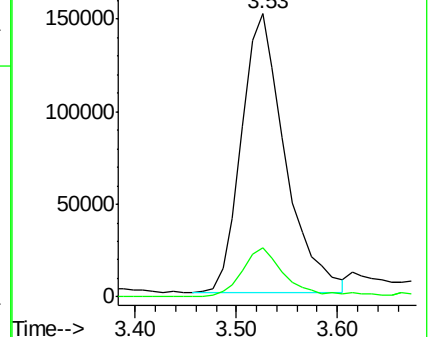
43 100

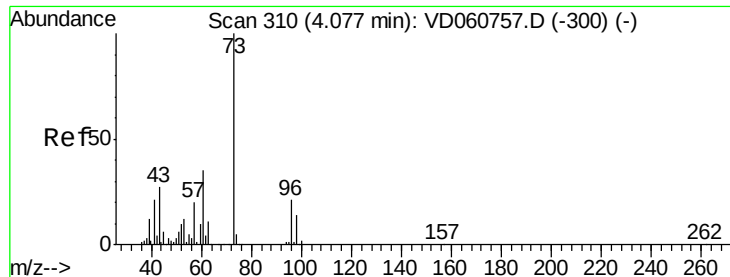
74 17.2 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



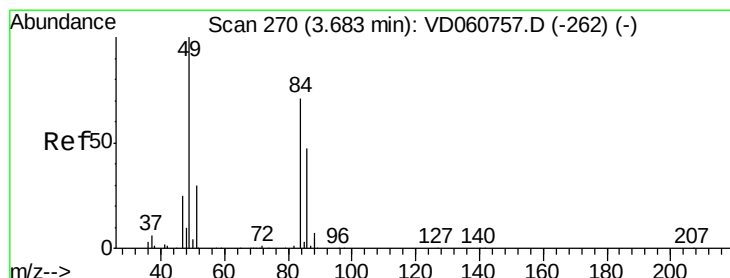
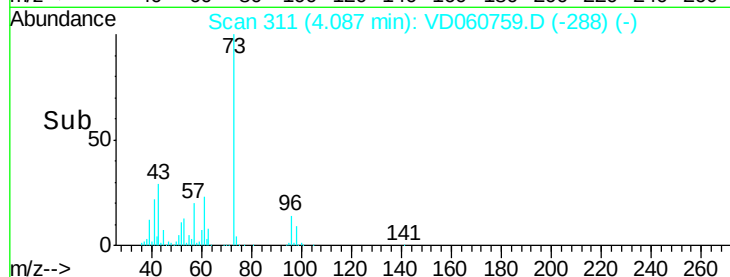
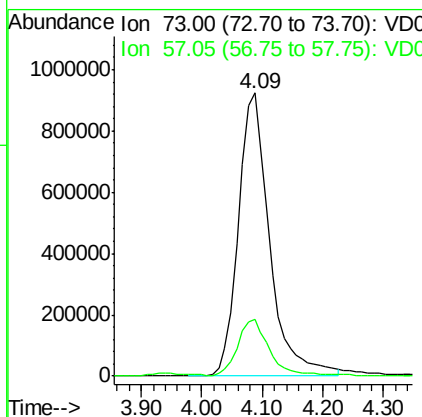
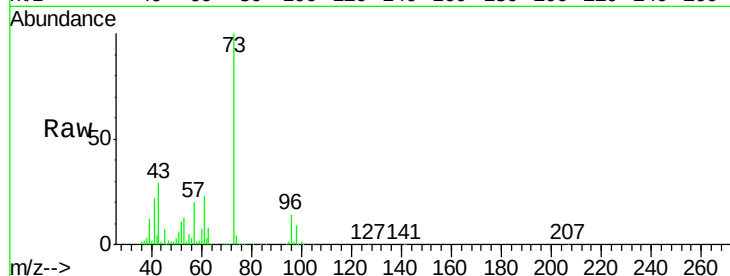


#19

Methyl tert-butyl Ether
 Concen: 155.241 ug/l
 RT: 4.09 min Scan# 311
 Delta R.T. 0.03 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

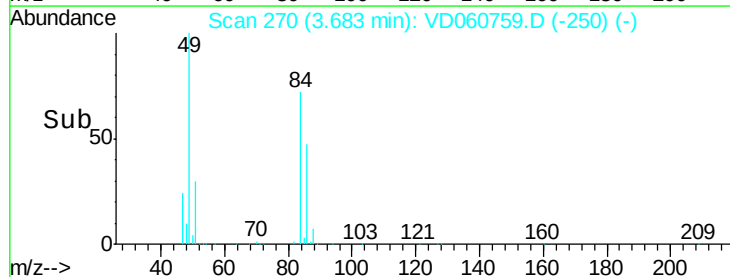
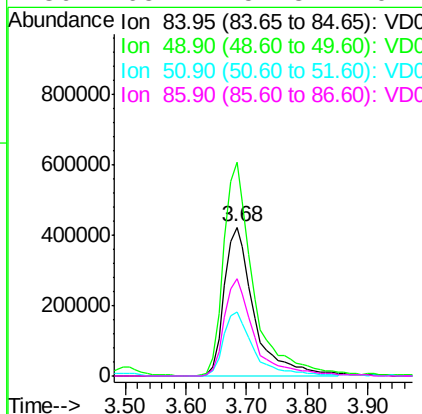
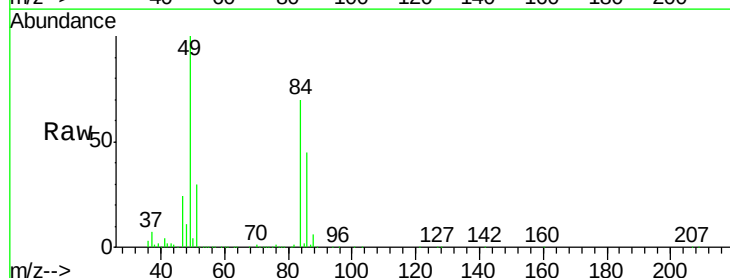
Tot Ion: 73 Resp: 3322913
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.6 26.4

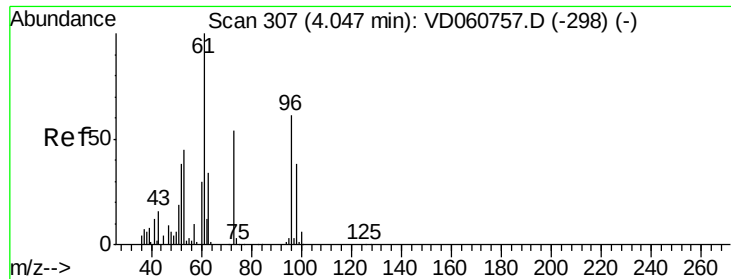


#20

Methylene Chloride
 Concen: 75.880 ug/l
 RT: 3.68 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion: 84 Resp: 1449712
 Ion Ratio Lower Upper
 84 100
 49 143.2 113.6 170.4
 51 43.3 34.7 52.1
 86 65.1 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 80.424 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

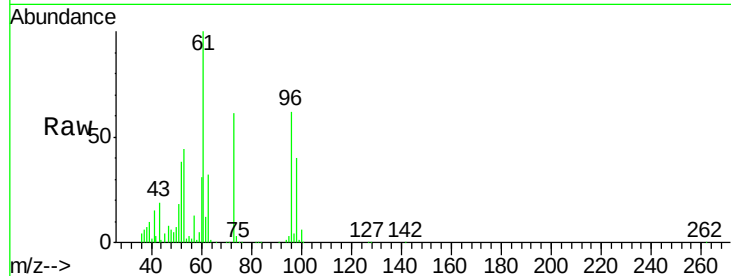
Tot Ion: 96 Resp: 1389583

Ion Ratio Lower Upper

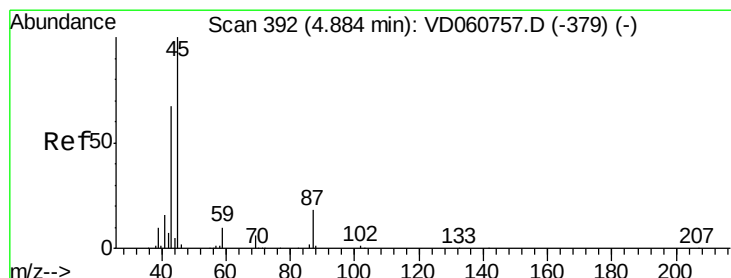
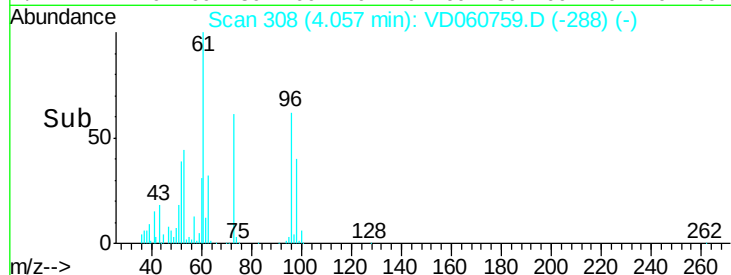
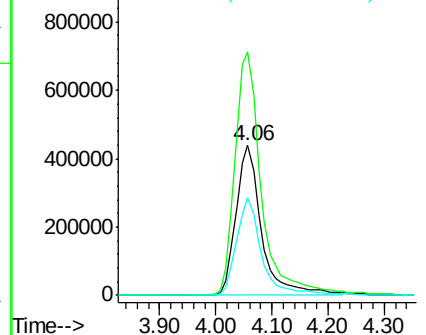
96 100

61 162.4 104.2 156.2#

98 65.0 51.2 76.8



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



#22

Diisopropyl ether

Concen: 92.761 ug/l

RT: 4.89 min Scan# 393

Delta R.T. 0.04 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Tgt Ion: 45 Resp: 4875812

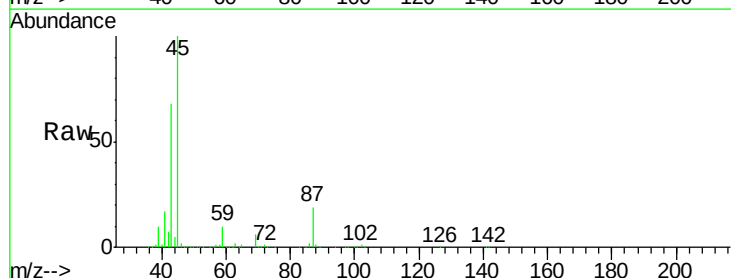
Ion Ratio Lower Upper

45 100

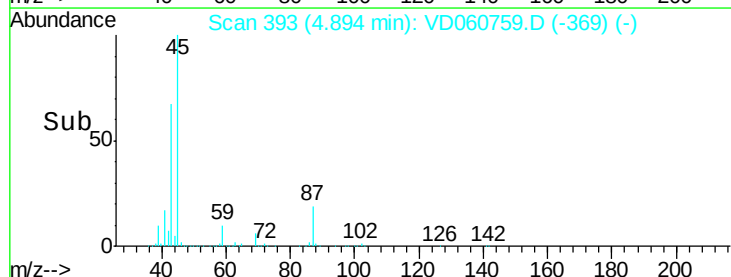
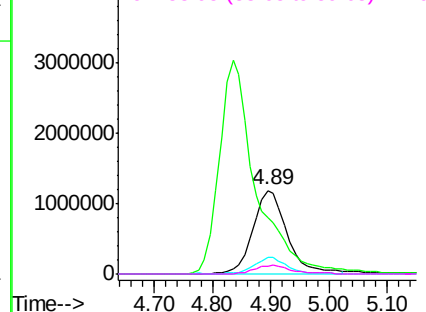
43 67.6 46.1 69.1

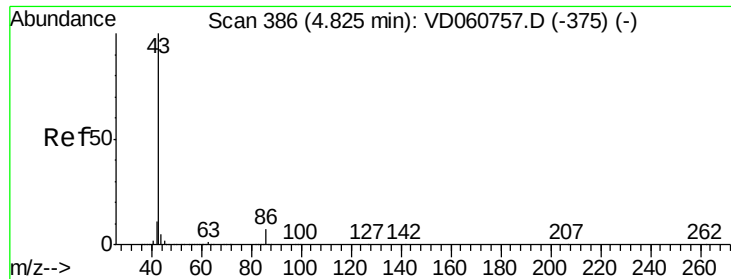
87 19.3 13.7 20.5

59 9.9 7.4 11.0



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: 509.051 ug/l

RT: 4.84 min Scan# 387

Delta R.T. 0.03 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

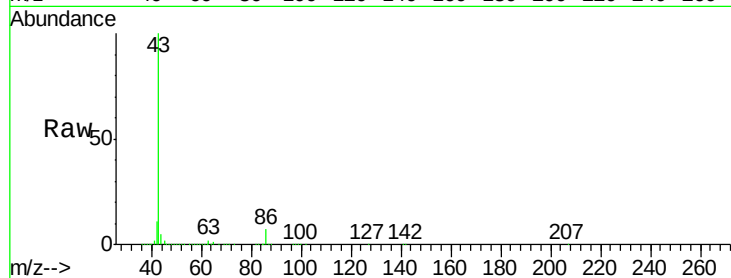
VSTDIC100

Tot Ion: 43 Resp:12945242

Ion Ratio Lower Upper

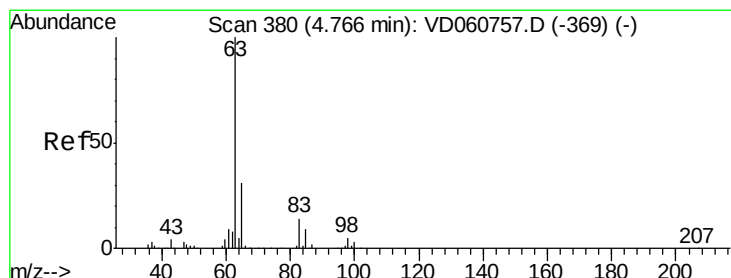
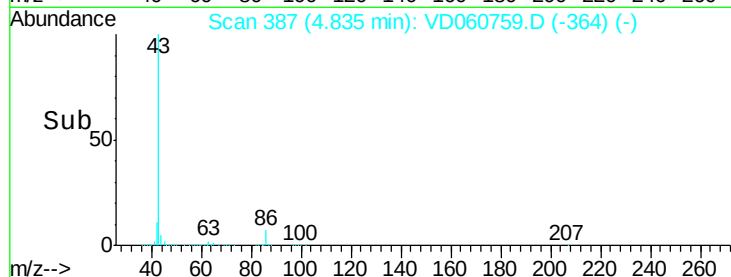
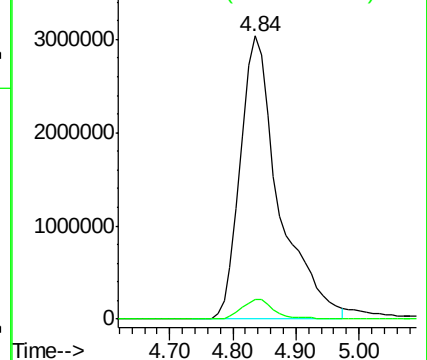
43 100

86 6.8 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 101.989 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

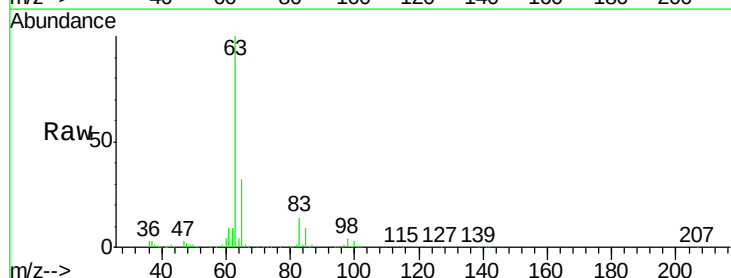
Tgt Ion: 63 Resp: 2819765

Ion Ratio Lower Upper

63 100

98 4.3 2.9 8.7

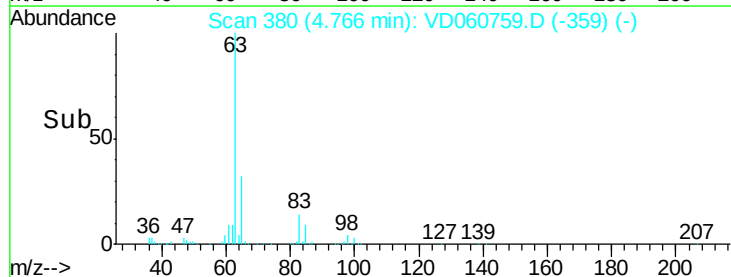
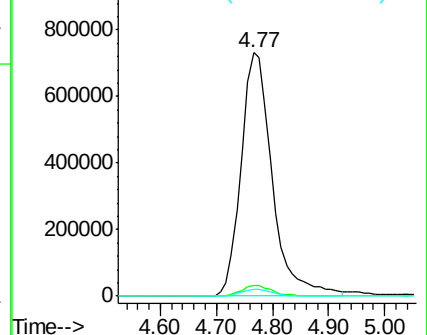
100 2.6 2.0 5.8

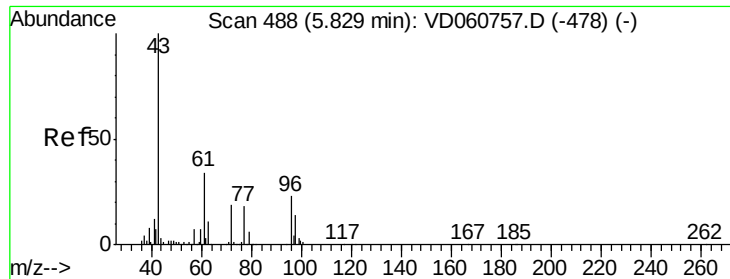


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 660.906 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

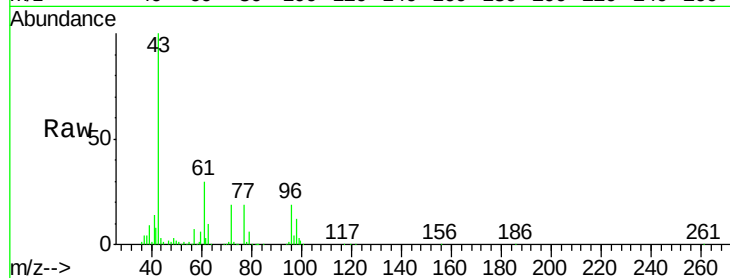
VSTDIC100

Tot Ion: 43 Resp: 2326627

Ion Ratio Lower Upper

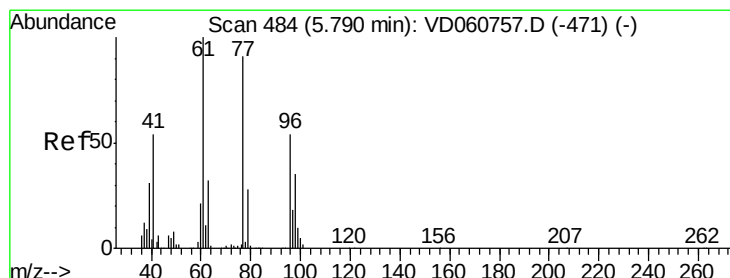
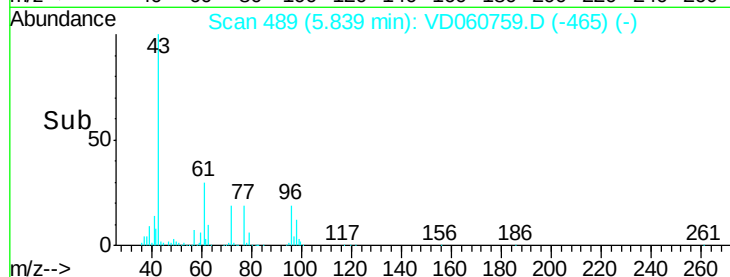
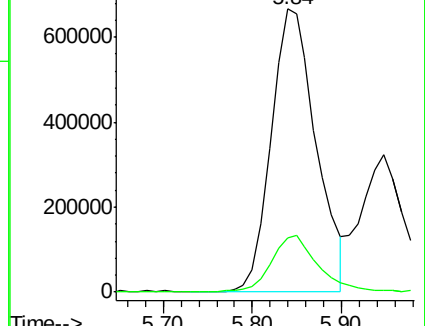
43 100

72 19.1 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 123.066 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD060759.D

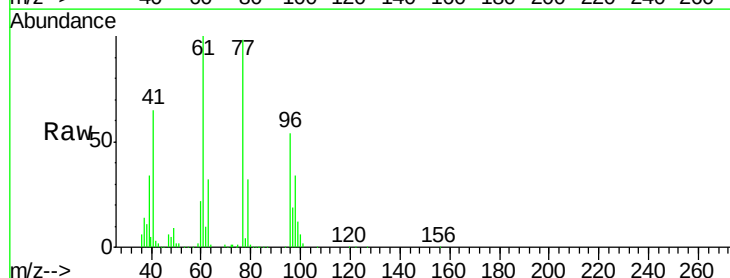
Acq: 18 Jan 2019 13:20

Tgt Ion: 77 Resp: 2685786

Ion Ratio Lower Upper

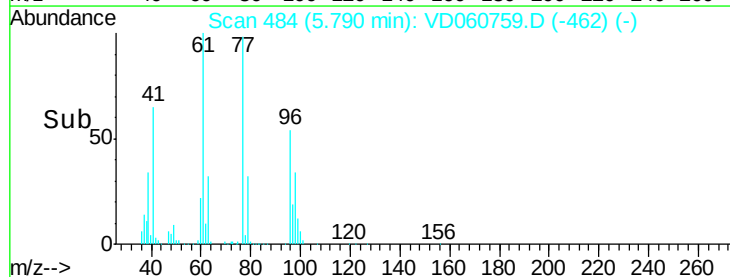
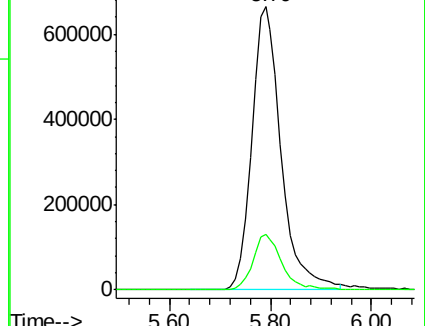
77 100

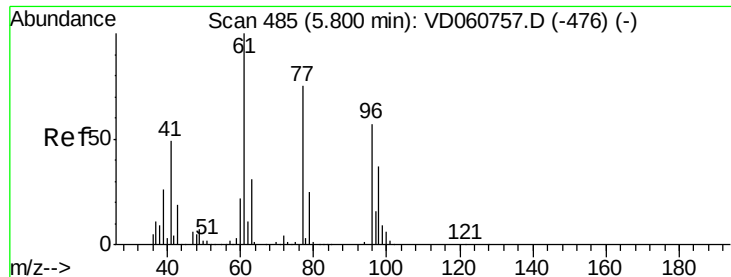
97 19.6 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



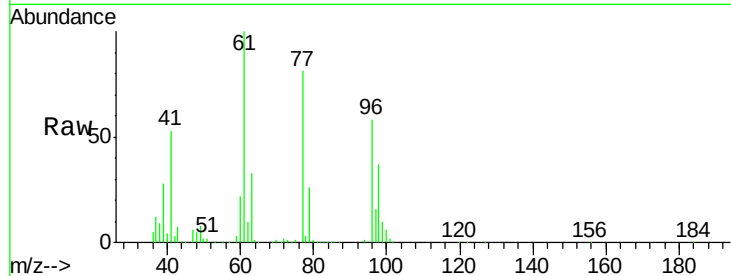


#27

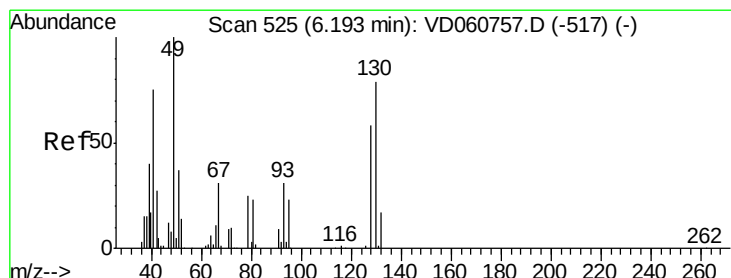
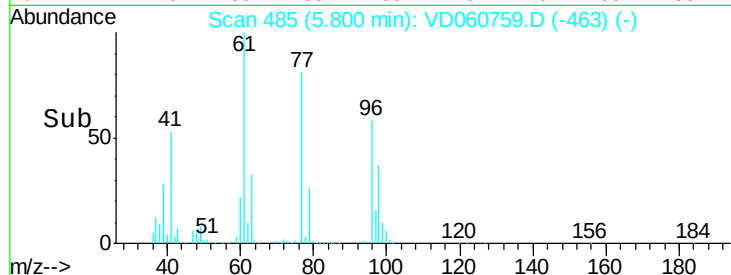
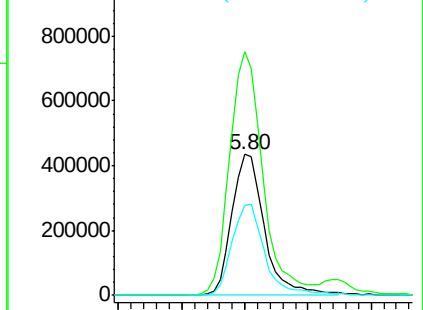
cis-1,2-Dichloroethene
Concen: 88.637 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1554668
Ion Ratio Lower Upper
96 100
61 172.9 0.0 259.4
98 64.0 0.0 130.0



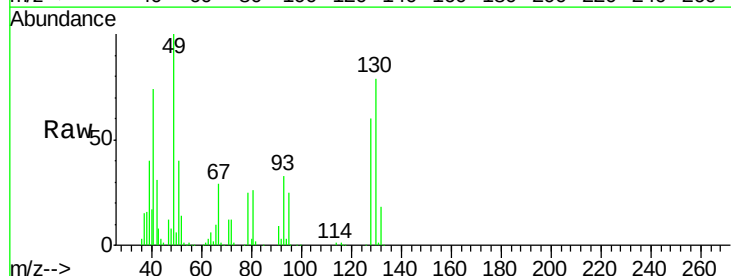
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



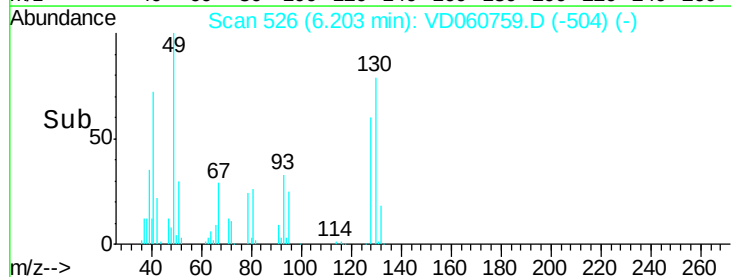
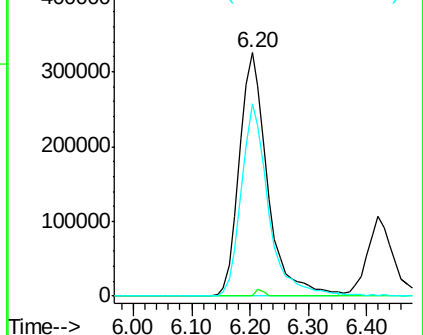
#28

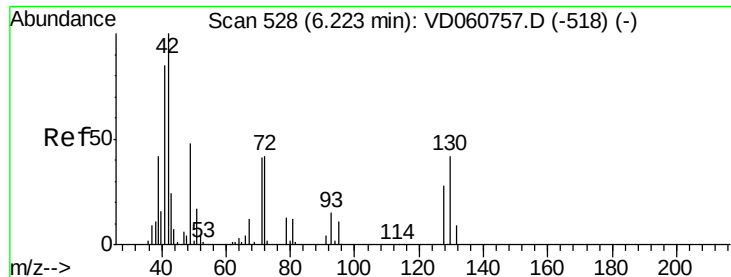
Bromochloromethane
Concen: 93.937 ug/l
RT: 6.20 min Scan# 526
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 49 Resp: 1097178
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 79.1 56.2 84.2



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

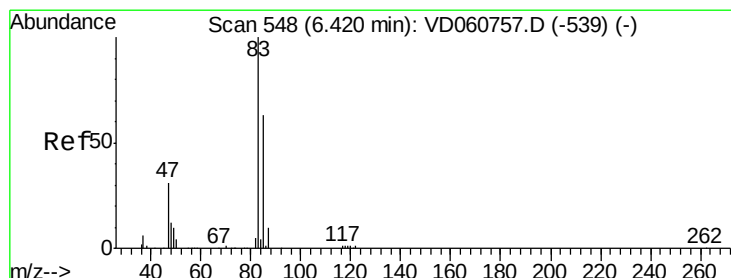
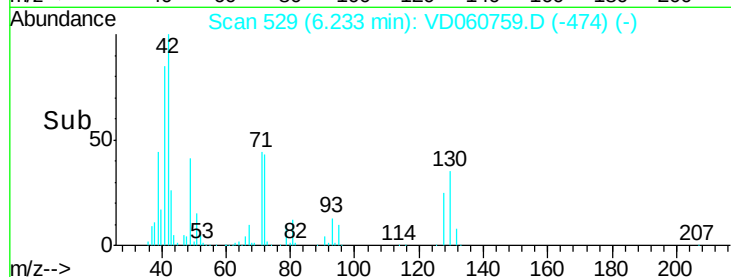
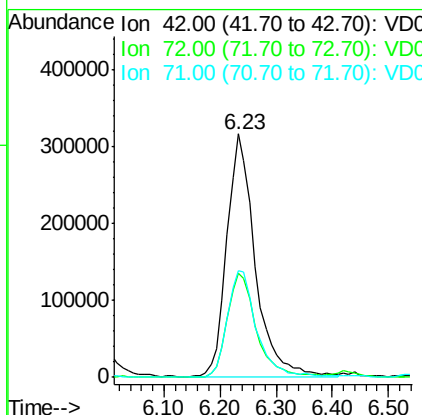
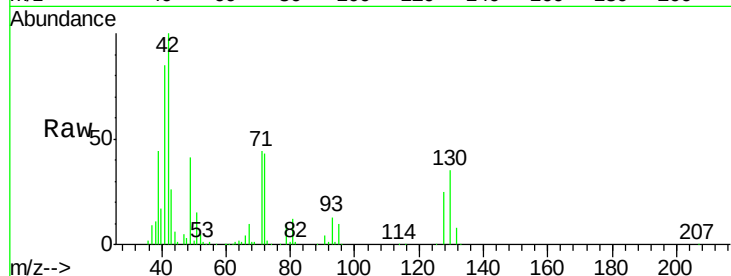




#29
Tetrahydrofuran
Concen: 555.178 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.04 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

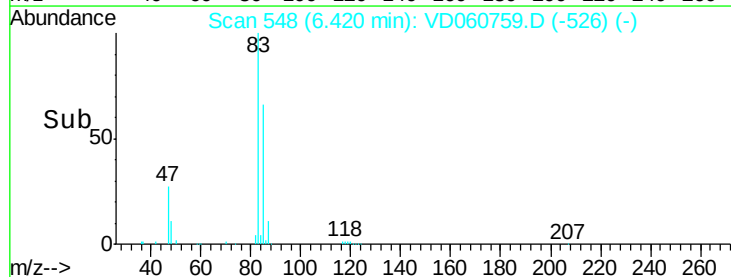
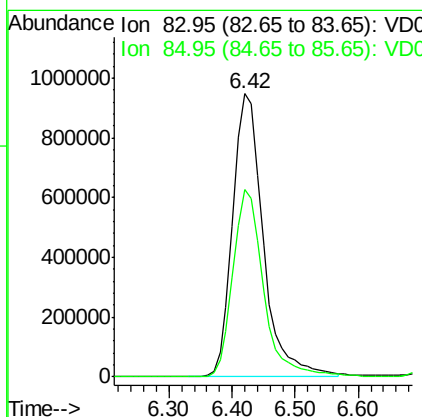
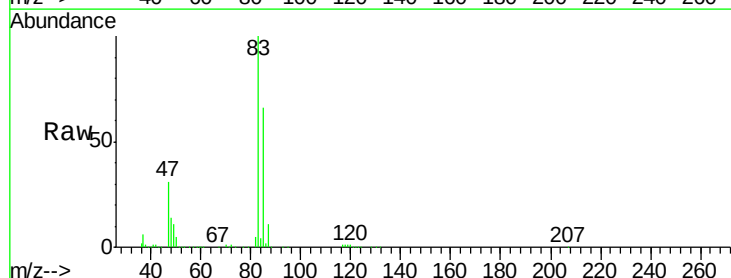
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

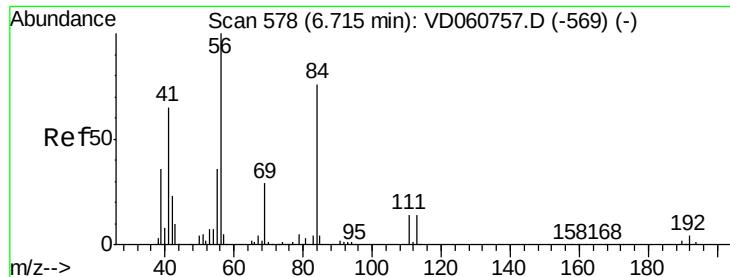
Tot Ion: 42 Resp: 1107965
Ion Ratio Lower Upper
42 100
72 43.6 28.0 42.0#
71 46.2 27.0 40.6#



#30
Chloroform
Concen: 114.501 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 83 Resp: 3185419
Ion Ratio Lower Upper
83 100
85 66.2 53.0 79.6

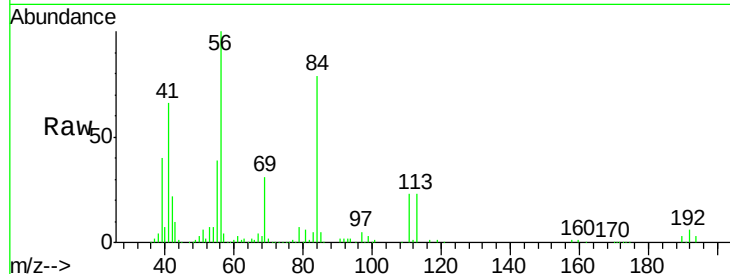




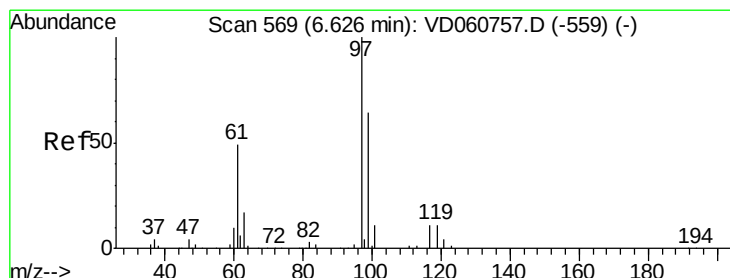
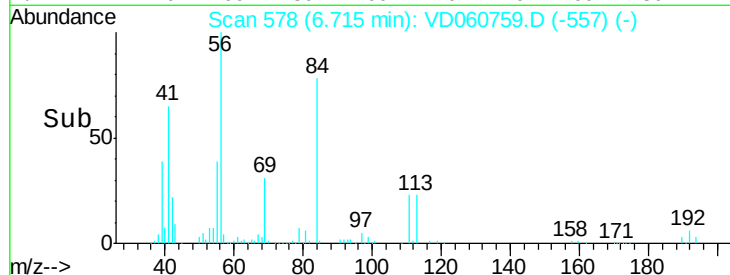
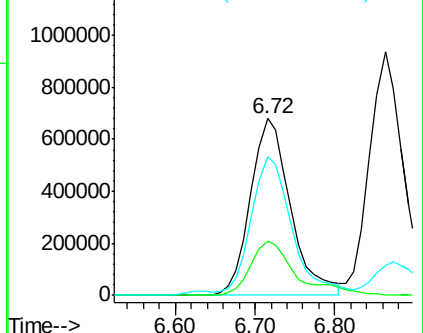
#31
Cyclohexane
Concen: 88.886 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 2364959
Ion Ratio Lower Upper
56 100
69 30.6 23.6 35.4
84 78.7 65.8 98.6

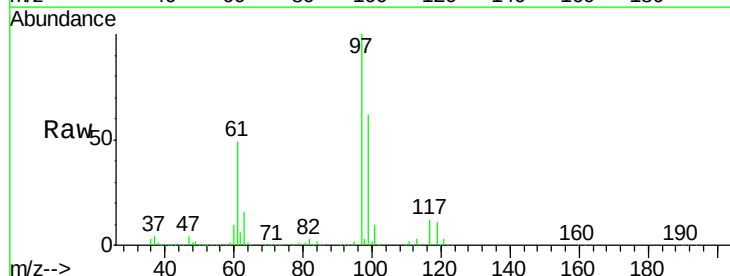


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

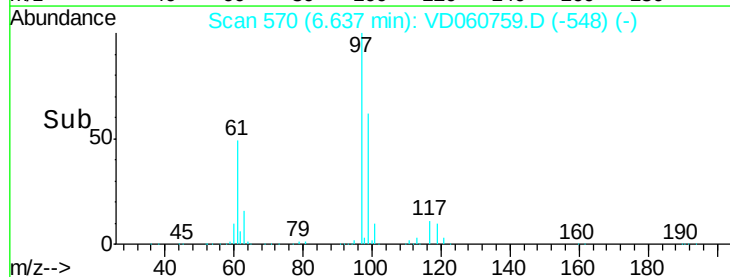
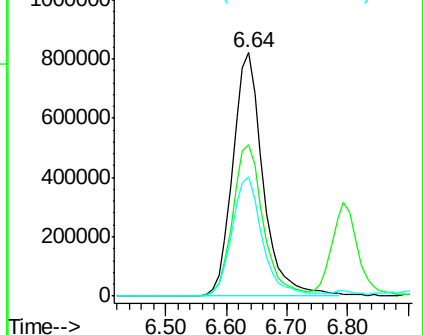


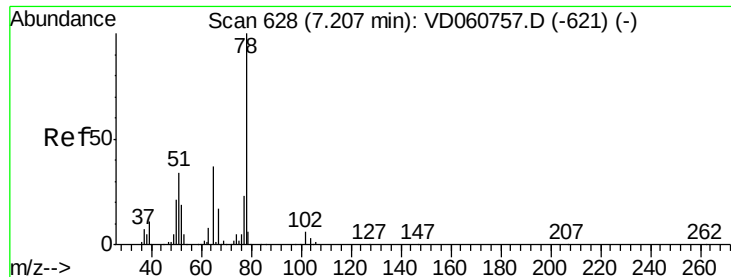
#32
1,1,1-Trichloroethane
Concen: 123.570 ug/l
RT: 6.64 min Scan# 570
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 97 Resp: 2844129
Ion Ratio Lower Upper
97 100
99 62.3 50.5 75.7
61 48.9 34.6 51.8



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

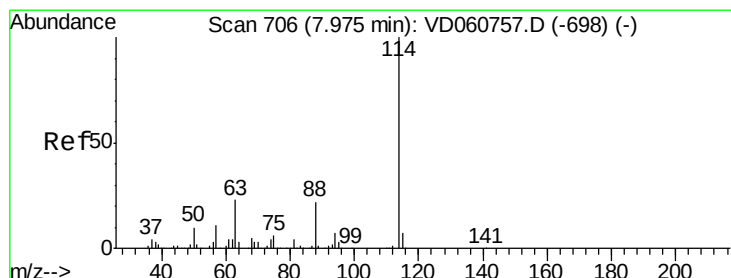
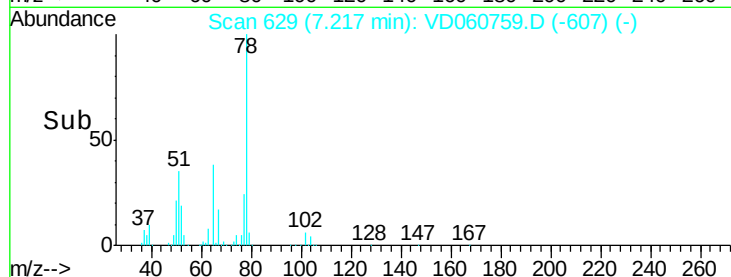
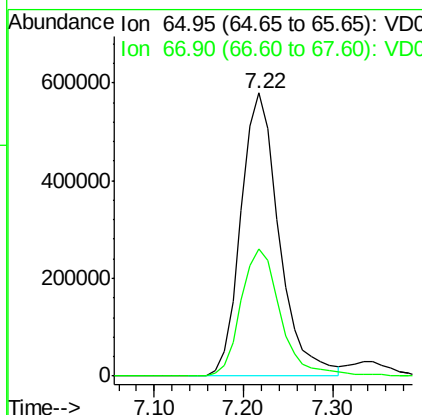
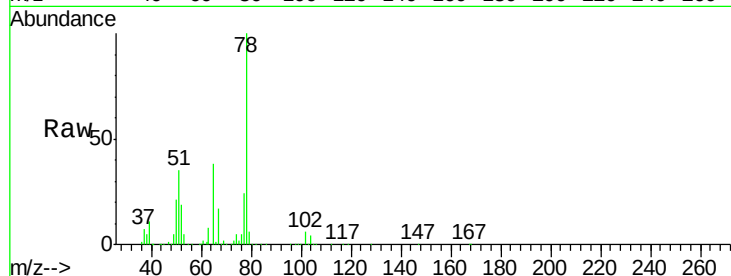




#33
 1,2-Dichloroethane-d4
 Concen: 123.570 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.02 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

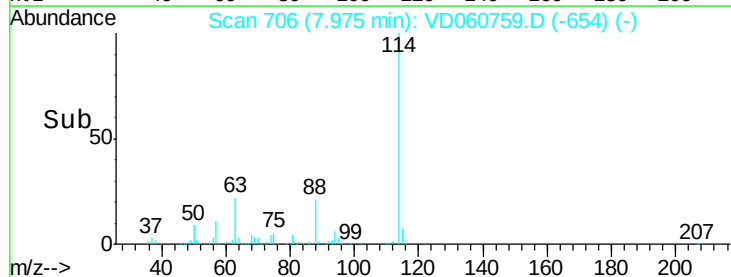
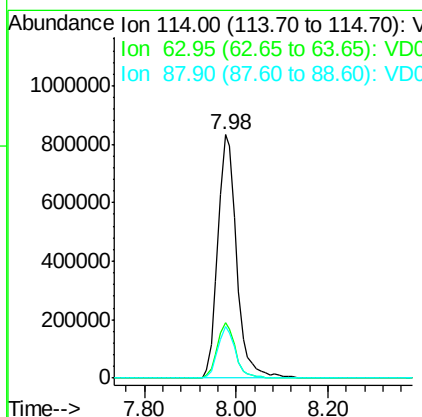
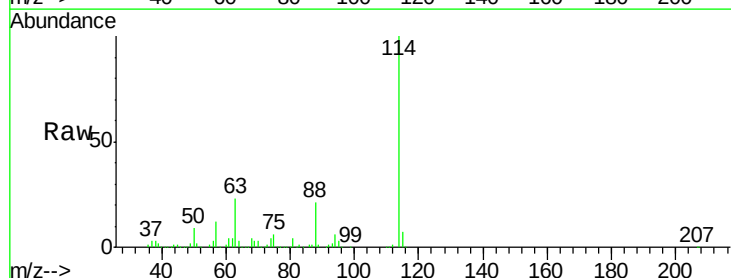
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

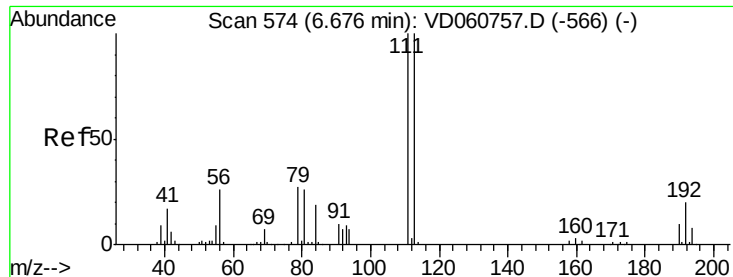
Tot Ion: 65 Resp: 1719825
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion: 114 Resp: 2346651
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 36.2
 88 21.1 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.69 min Scan# 575

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

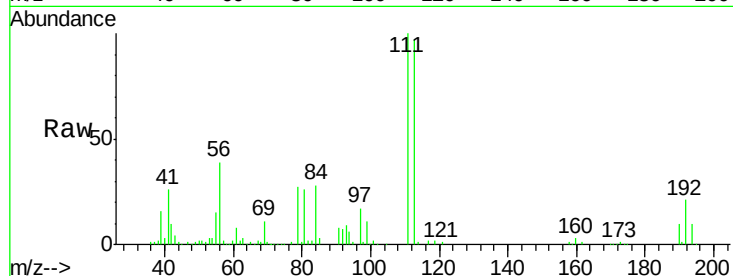
Tot Ion:113 Resp: 1698075

Ion Ratio Lower Upper

113 100

111 103.6 80.0 120.0

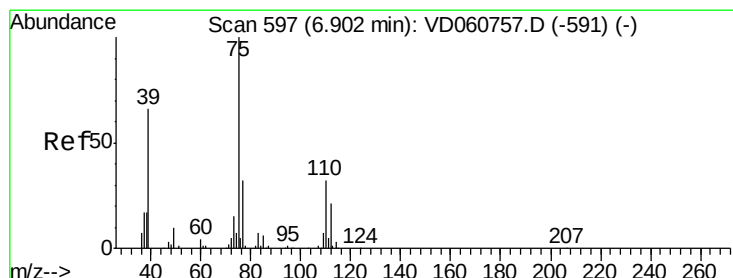
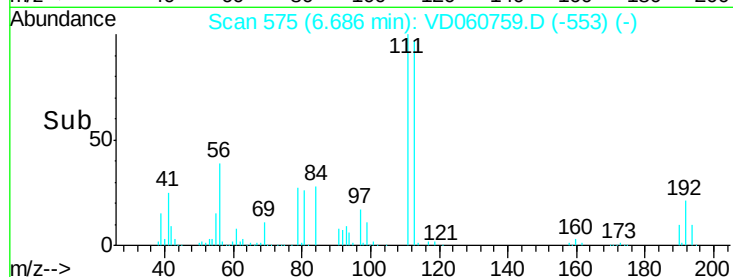
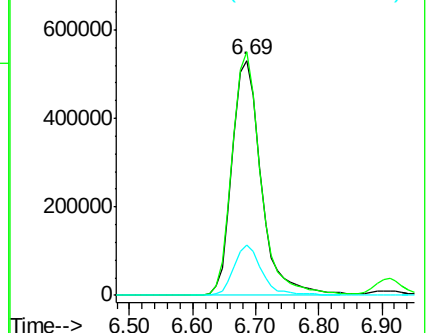
192 21.5 16.6 25.0



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: 84.785 ug/l

RT: 6.91 min Scan# 598

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

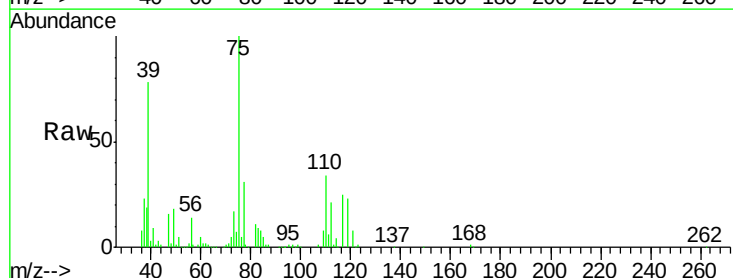
Tgt Ion: 75 Resp: 2048745

Ion Ratio Lower Upper

75 100

110 34.2 18.9 56.7

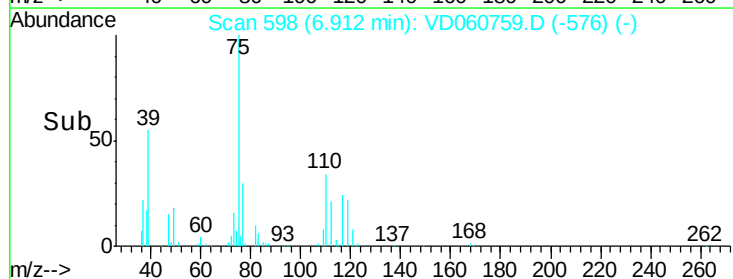
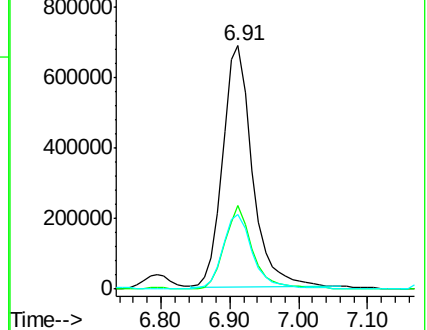
77 30.8 25.4 38.0

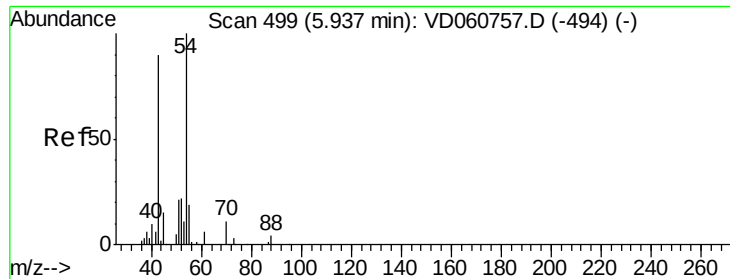


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

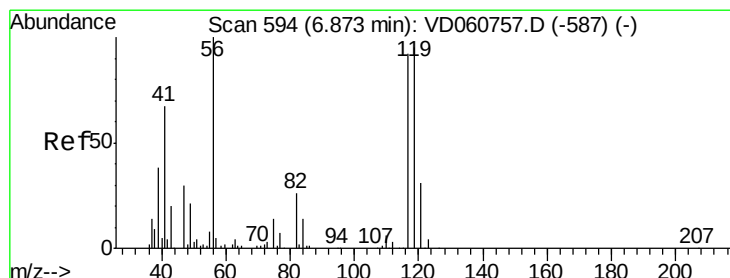
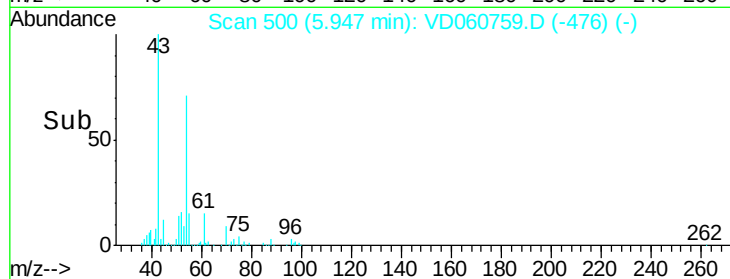
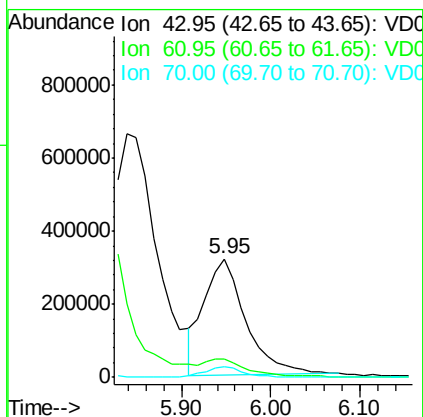
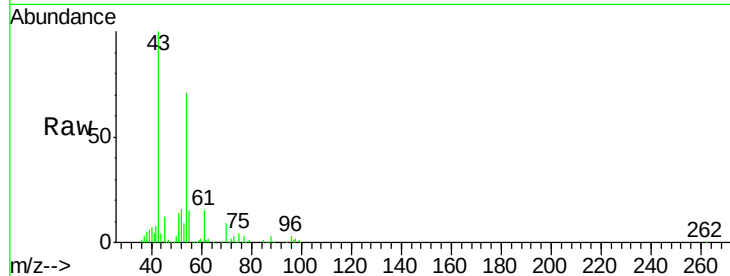




#37
Ethyl Acetate
Concen: 101.771 ug/l
RT: 5.95 min Scan# 500
Delta R.T. 0.04 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

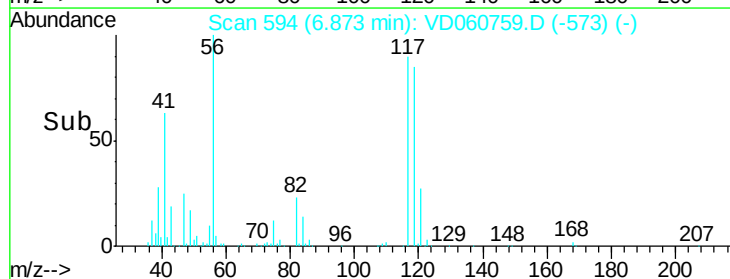
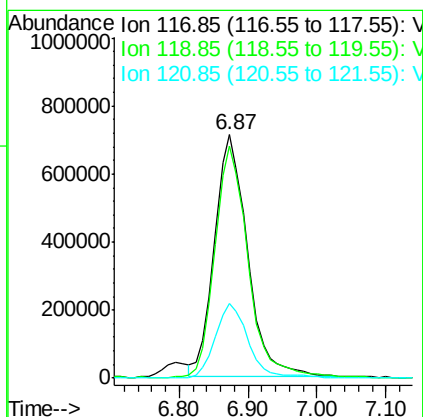
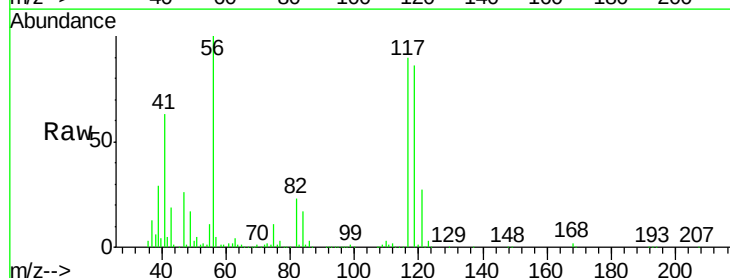
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

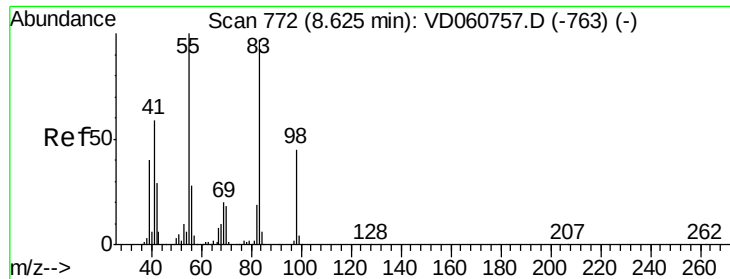
Tot Ion: 43 Resp: 1028505
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 8.9 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 111.142 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 117 Resp: 2369328
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.4
121 30.5 24.7 37.1

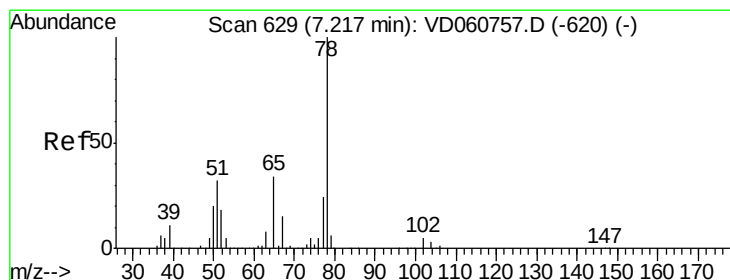
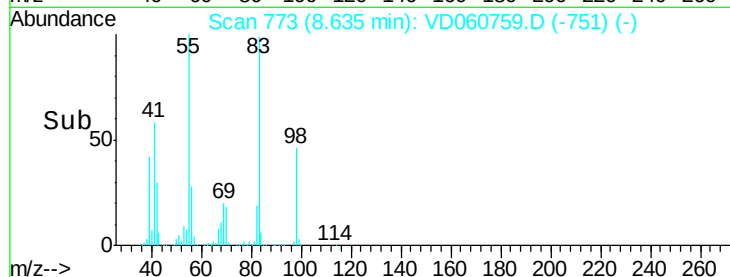
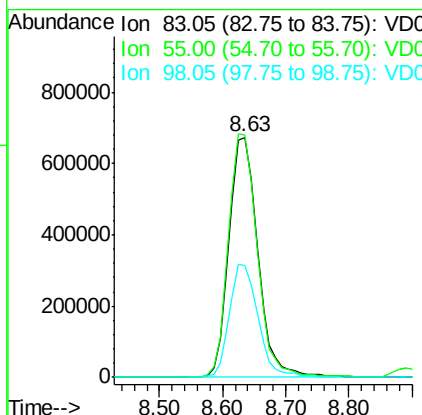
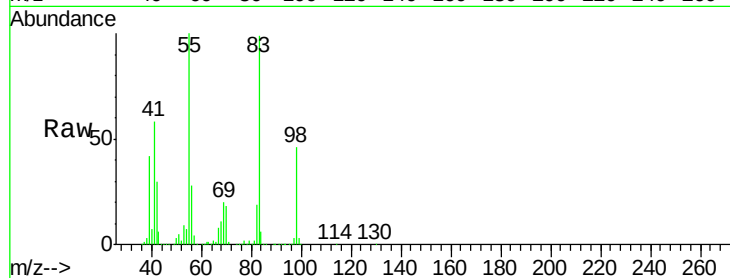




#39
Methylvlcyclohexane
Concen: 77.557 ug/l
RT: 8.63 min Scan# 773
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

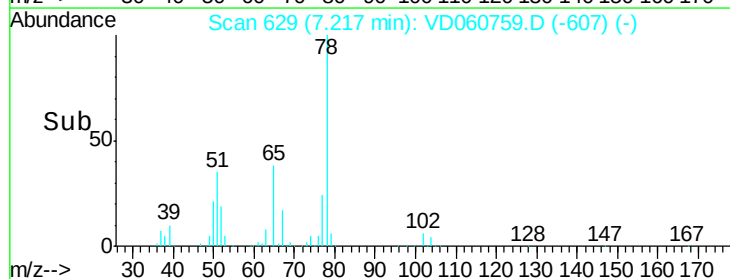
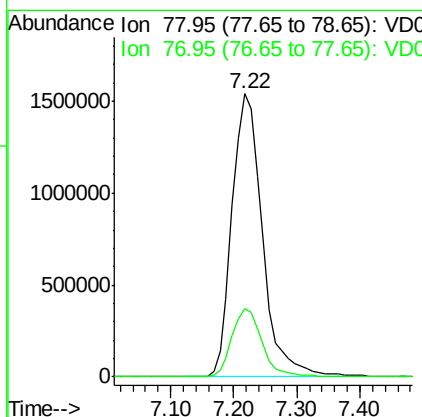
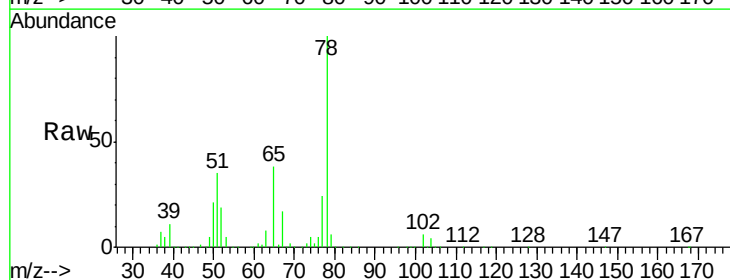
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

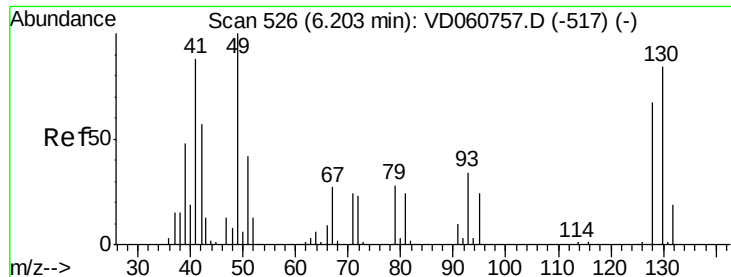
Tot Ion: 83 Resp: 2137424
Ion Ratio Lower Upper
83 100
55 100.8 68.6 102.8
98 46.6 38.1 57.1



#40
Benzene
Concen: 82.042 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 78 Resp: 5120816
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





#41

Methacrylonitrile

Concen: 102.602 ug/l m

RT: 6.21 min Scan# 527

Delta R.T. 0.03 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 573548

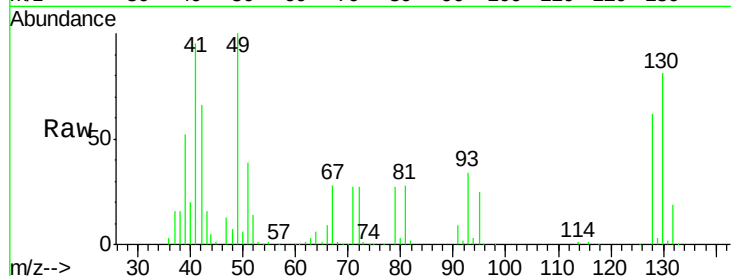
Ion Ratio Lower Upper

41 100

39 55.1 37.6 56.4

67 29.6 33.0 49.6#

52 14.7 15.5 23.3#

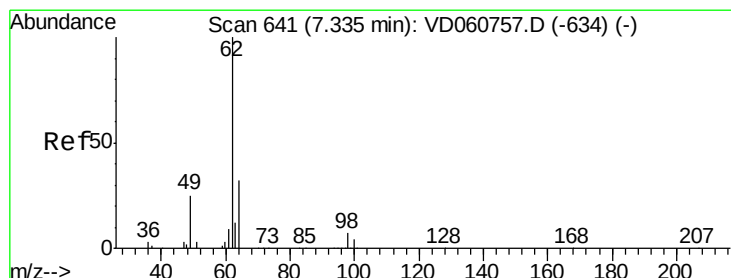
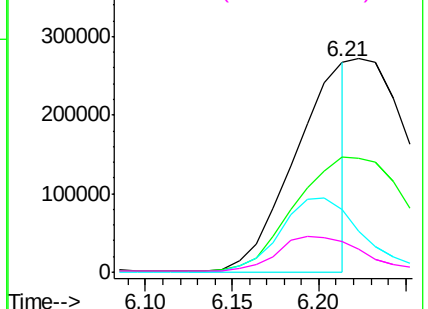
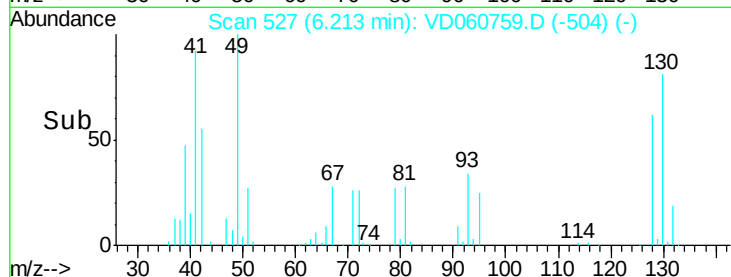


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 146.276 ug/l

RT: 7.35 min Scan# 642

Delta R.T. 0.03 min

Lab File: VD060759.D

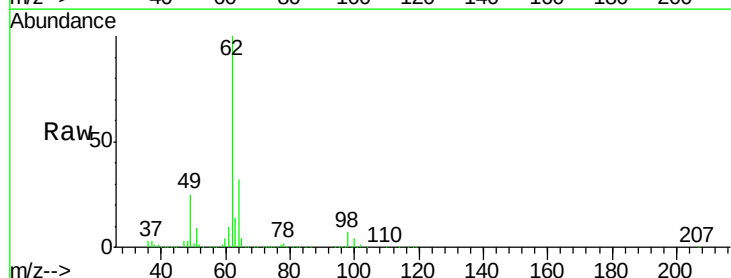
Acq: 18 Jan 2019 13:20

Tgt Ion: 62 Resp: 2265730

Ion Ratio Lower Upper

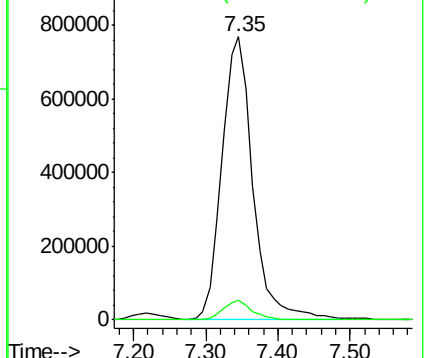
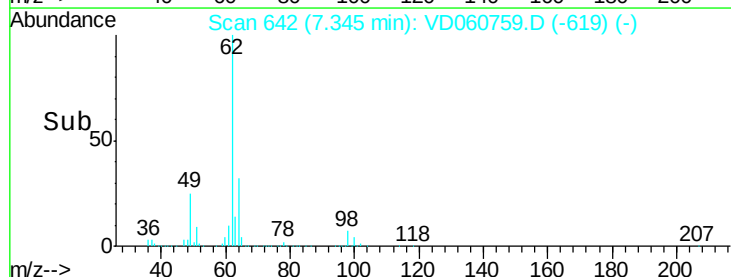
62 100

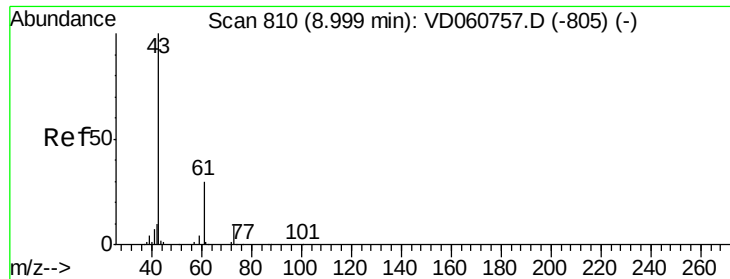
98 6.9 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 127.956 ug/l

RT: 9.01 min Scan# 811

Delta R.T. 0.03 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

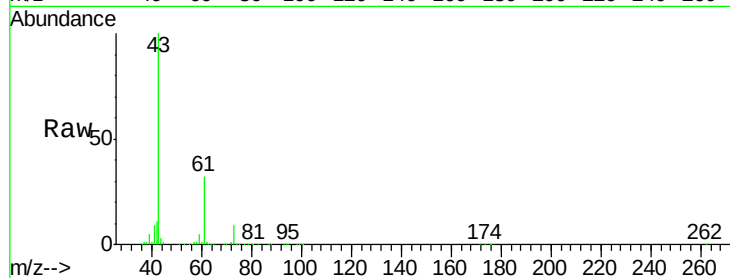
Tot Ion: 43 Resp: 1659439

Ion Ratio Lower Upper

43 100

61 32.0 21.8 32.8

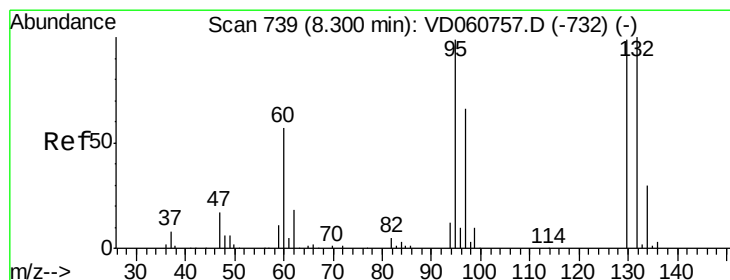
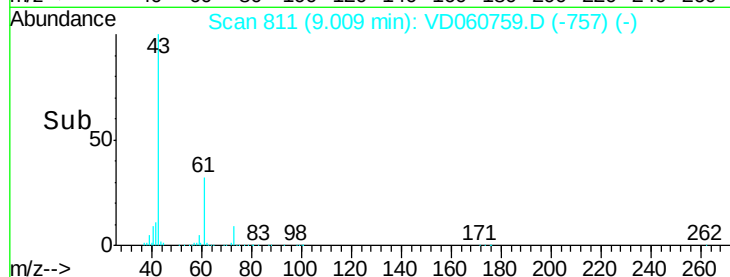
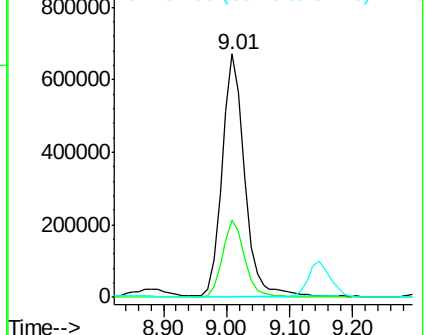
87 0.3 0.2 0.4



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: 89.321 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD060759.D

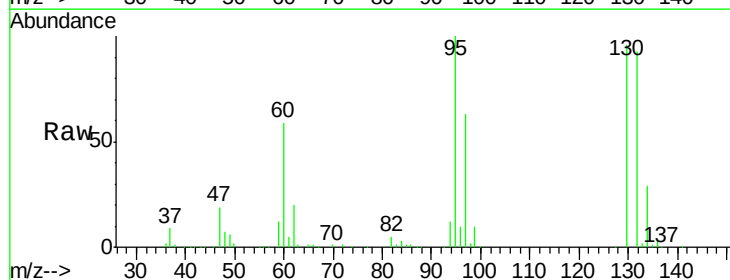
Acq: 18 Jan 2019 13:20

Tgt Ion:130 Resp: 1650121

Ion Ratio Lower Upper

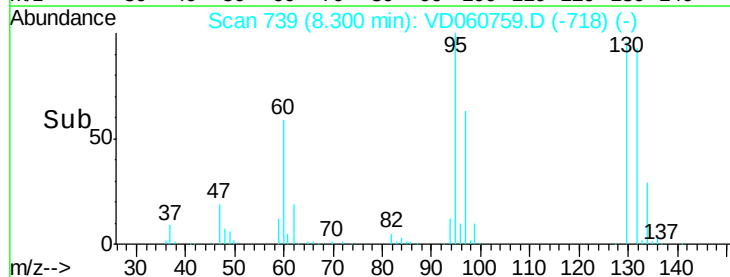
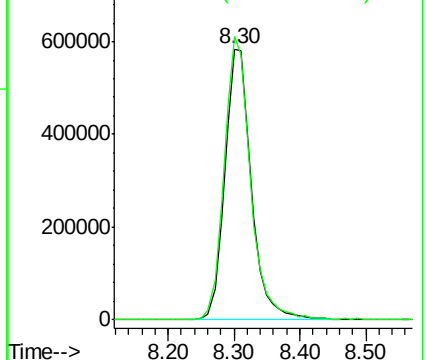
130 100

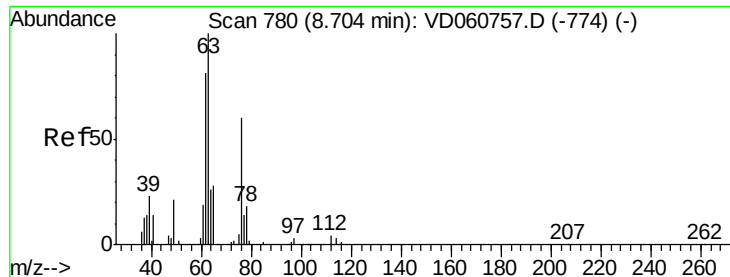
95 104.4 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 88.904 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

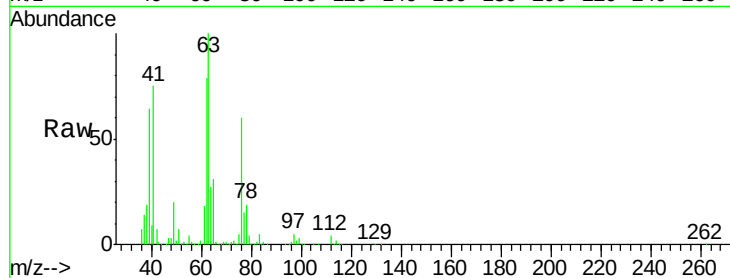
VSTDIC100

Tot Ion: 63 Resp: 1360873

Ion Ratio Lower Upper

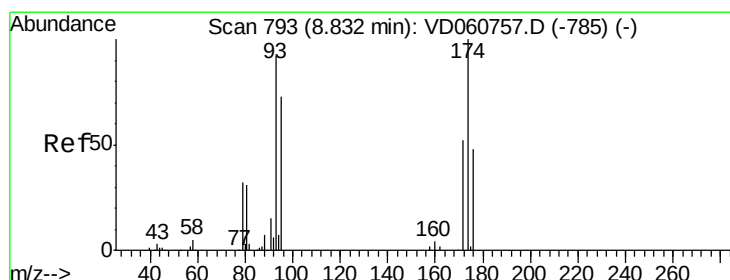
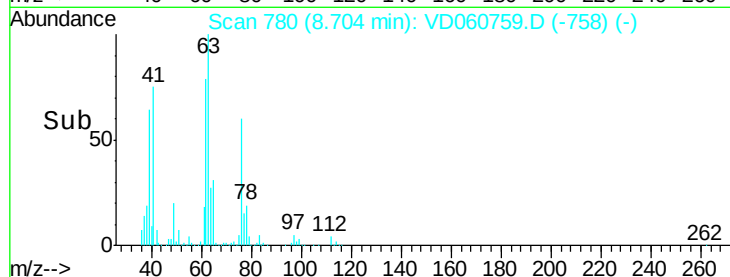
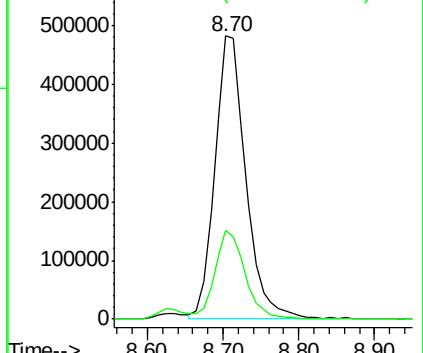
63 100

65 31.2 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 108.797 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

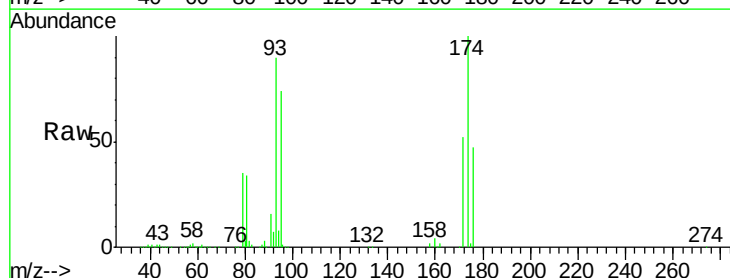
Tgt Ion: 93 Resp: 950486

Ion Ratio Lower Upper

93 100

95 82.2 68.8 103.2

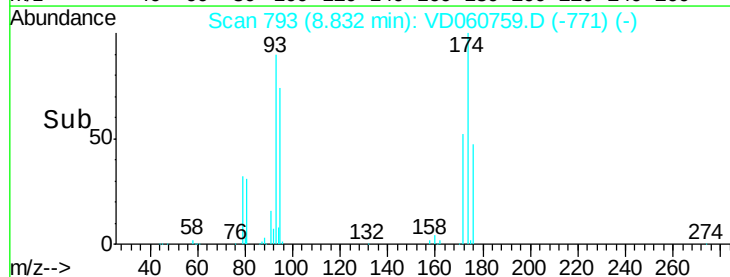
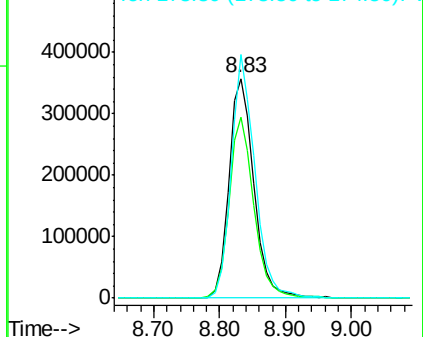
174 110.8 93.0 139.4

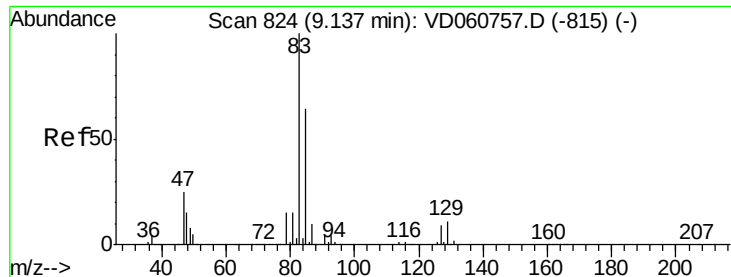


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 119.853 ug/l

RT: 9.15 min Scan# 825

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

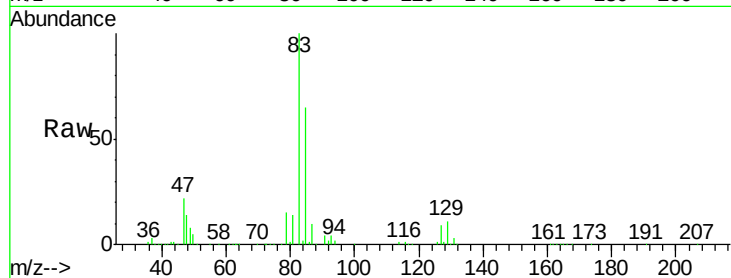
Tot Ion: 83 Resp: 2480000

Ion Ratio Lower Upper

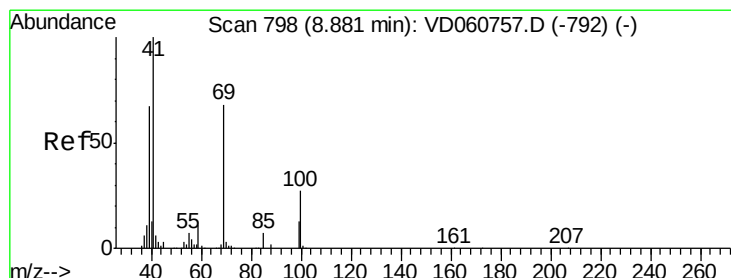
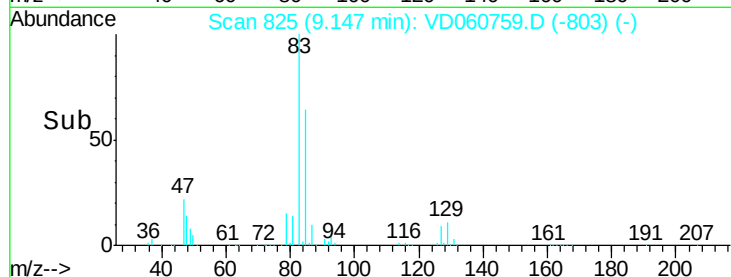
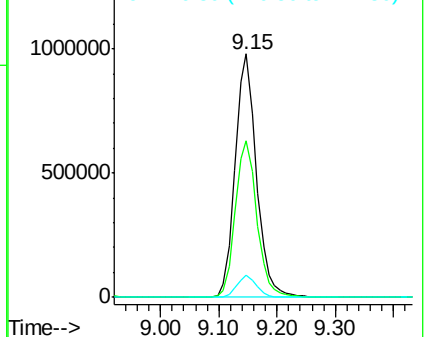
83 100

85 64.5 51.1 76.7

127 8.9 7.0 10.6



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



#48

Methyl methacrylate

Concen: 133.097 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.03 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

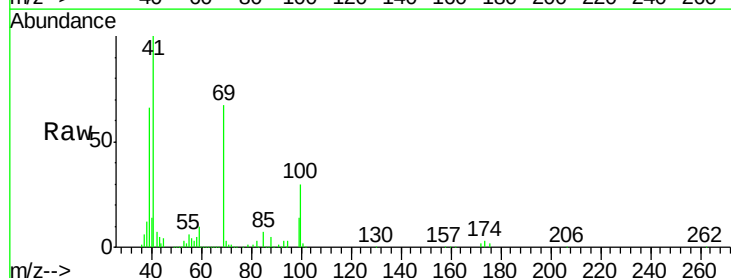
Tgt Ion: 41 Resp: 1048385

Ion Ratio Lower Upper

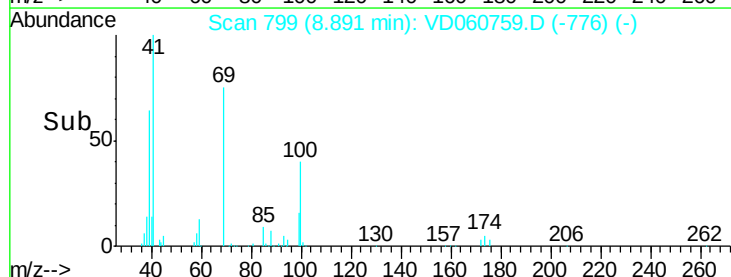
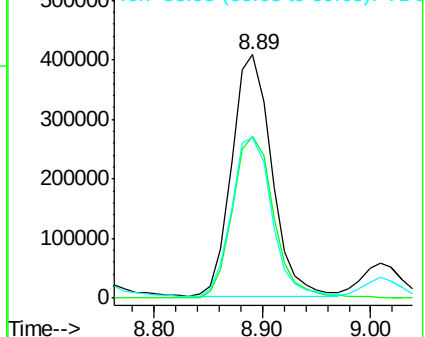
41 100

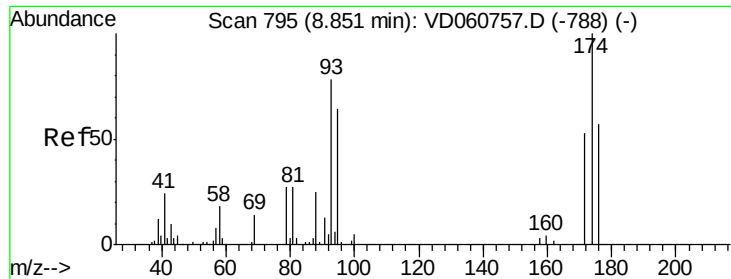
69 66.7 51.2 76.8

39 65.7 44.6 67.0



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: 2603.056 ug/l

RT: 8.86 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

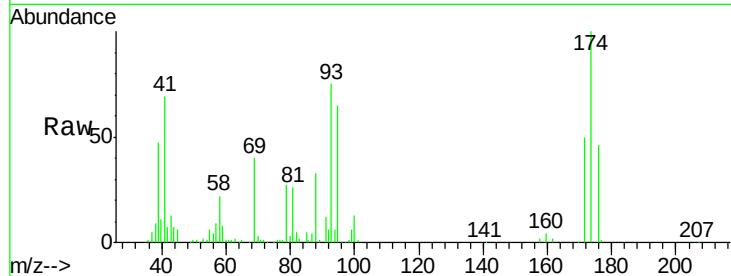
Tot Ion: 88 Resp: 190643

Ion Ratio Lower Upper

88 100

43 38.6 31.5 47.3

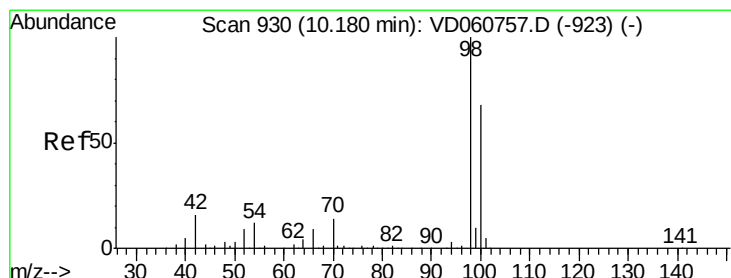
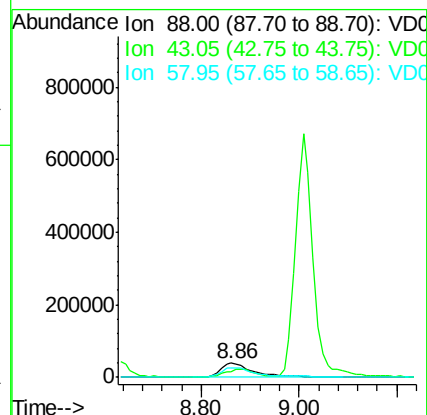
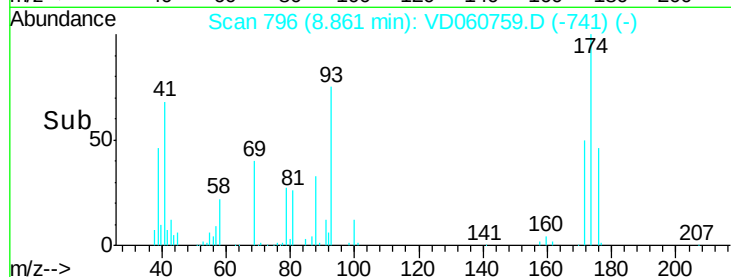
58 67.1 50.6 76.0



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: 2603.056 ug/l

RT: 10.19 min Scan# 931

Delta R.T. 0.02 min

Lab File: VD060759.D

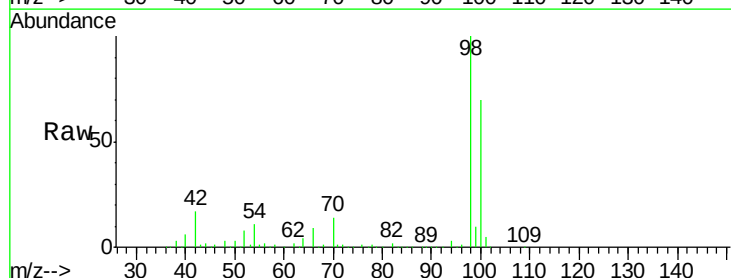
Acq: 18 Jan 2019 13:20

Tgt Ion: 98 Resp: 4075533

Ion Ratio Lower Upper

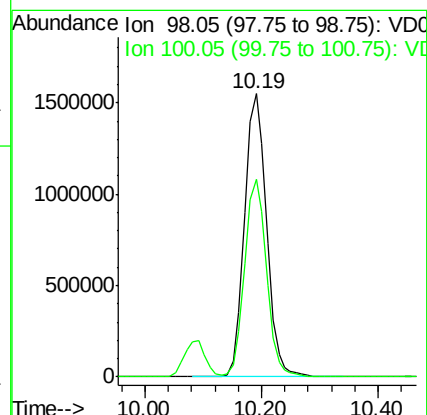
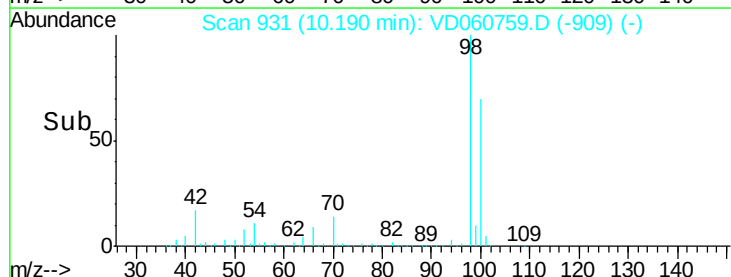
98 100

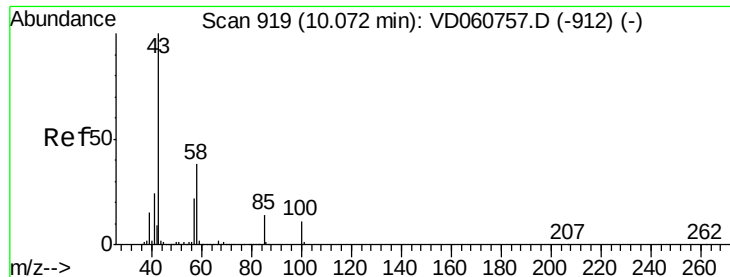
100 69.8 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 573.589 ug/l

RT: 10.08 min Scan# 920

Delta R.T. 0.03 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

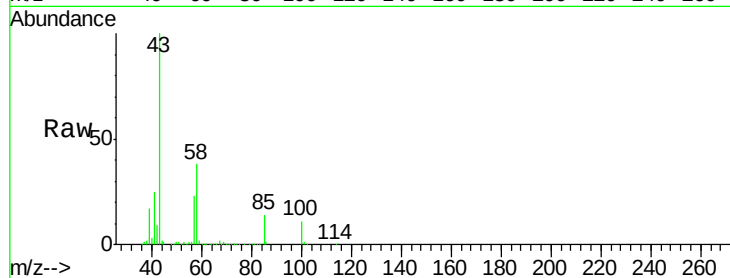
VSTDIC100

Tot Ion: 43 Resp: 4557550

Ion Ratio Lower Upper

43 100

58 37.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2000000

1500000

1000000

500000

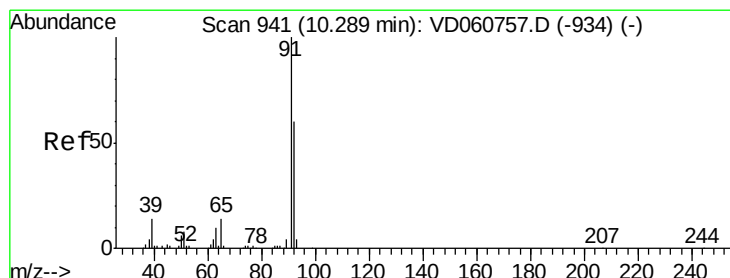
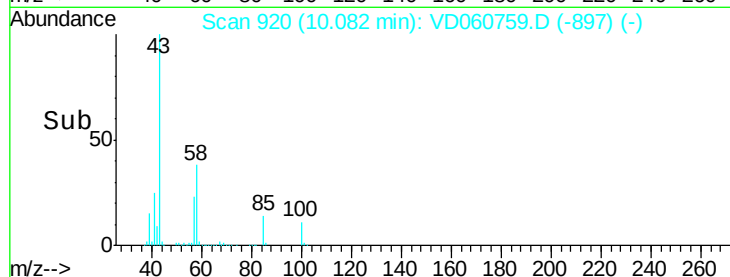
0

10.08

10.00

10.20

Time-->



#52

Toluene

Concen: 75.781 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060759.D

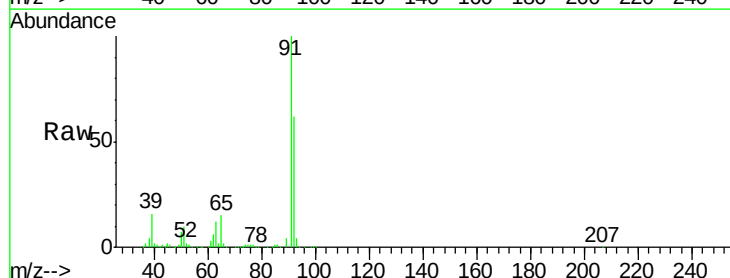
Acq: 18 Jan 2019 13:20

Tgt Ion: 92 Resp: 2965236

Ion Ratio Lower Upper

92 100

91 161.4 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

2000000

1500000

1000000

500000

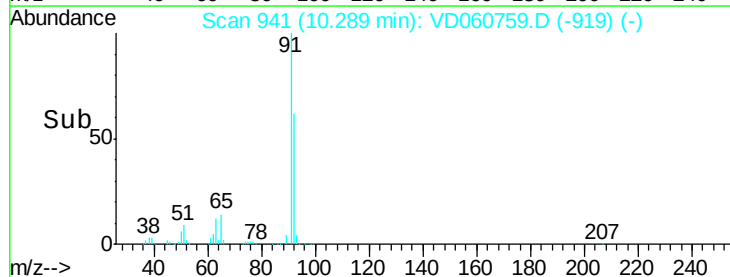
0

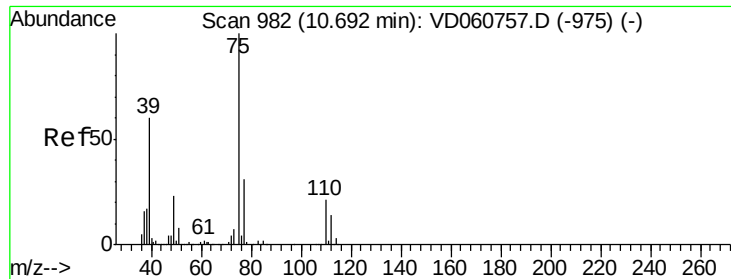
10.29

10.20

10.40

Time-->

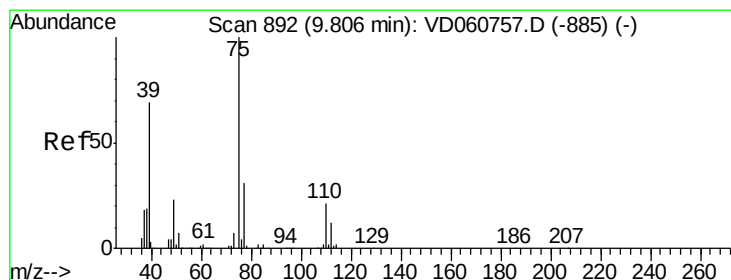
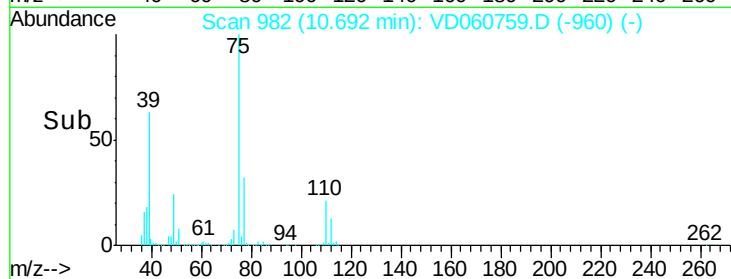
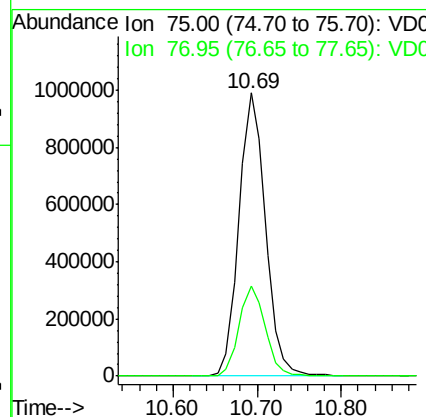
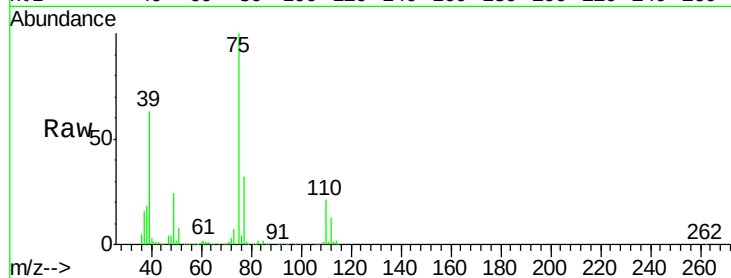




#53
 t-1,3-Dichloropropene
 Concen: 126.079 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.02 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

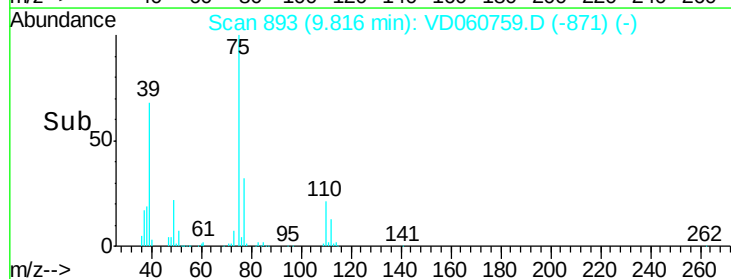
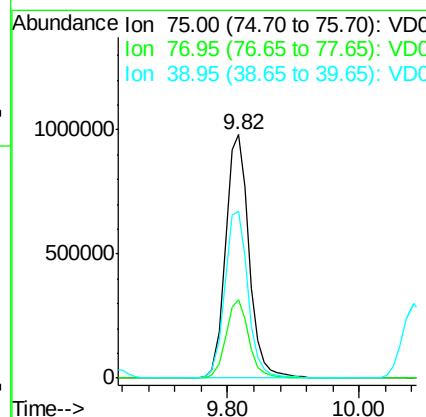
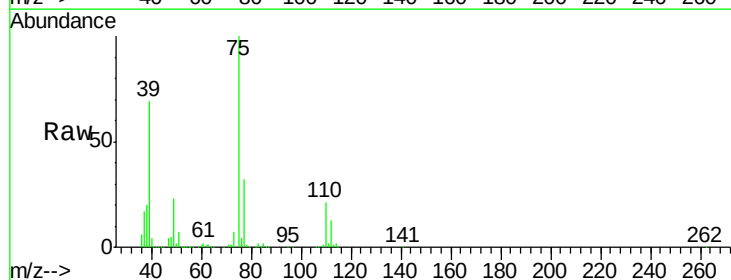
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

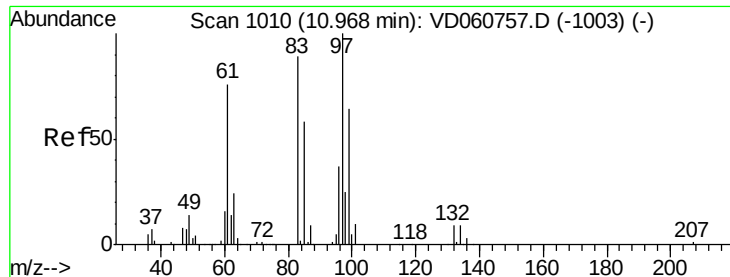
Tot Ion: 75 Resp: 2176493
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 107.912 ug/l
 RT: 9.82 min Scan# 893
 Delta R.T. 0.02 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion: 75 Resp: 2438313
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2
 39 68.7 47.0 70.4

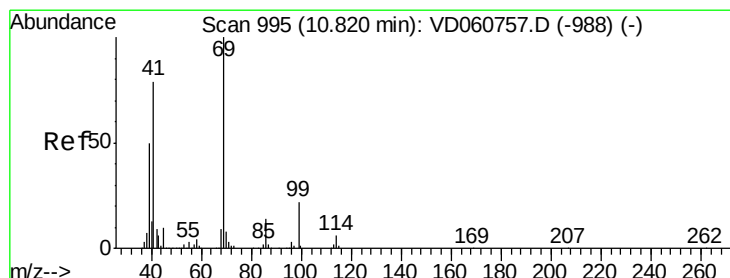
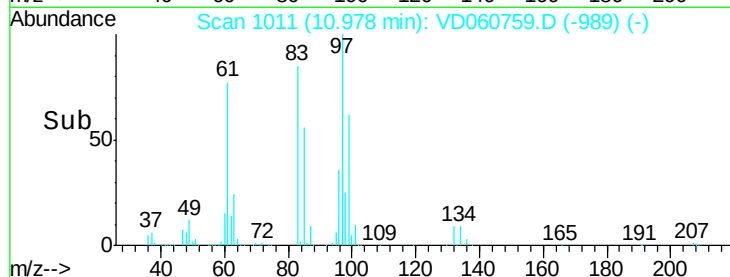
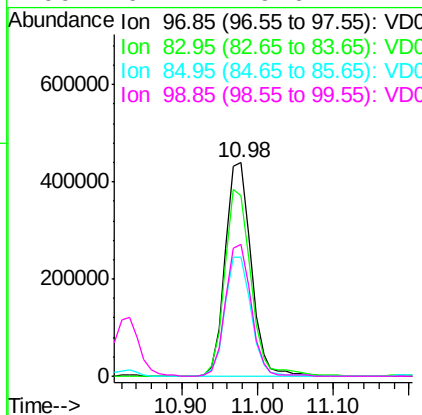
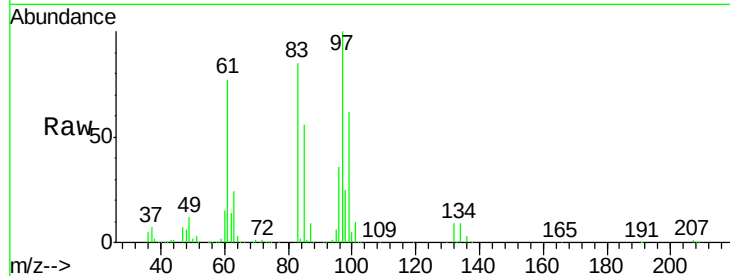




#55
 1,1,2-Trichloroethane
 Concen: 99.398 ug/l
 RT: 10.98 min Scan# 1011
 Delta R.T. 0.02 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

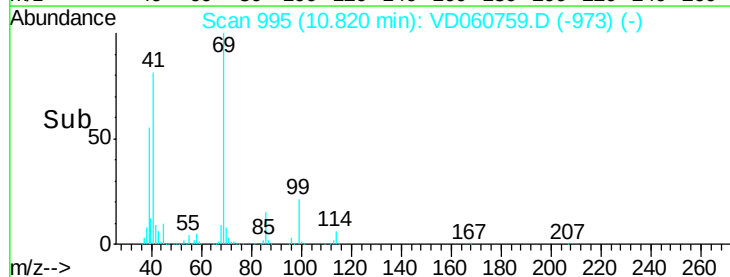
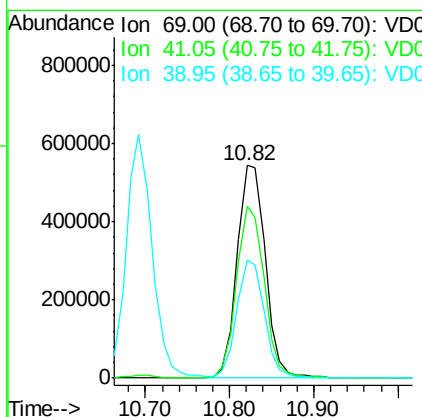
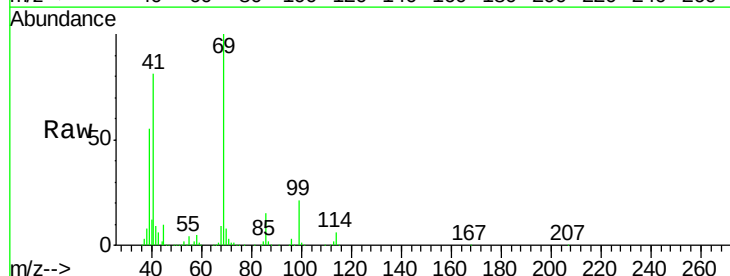
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

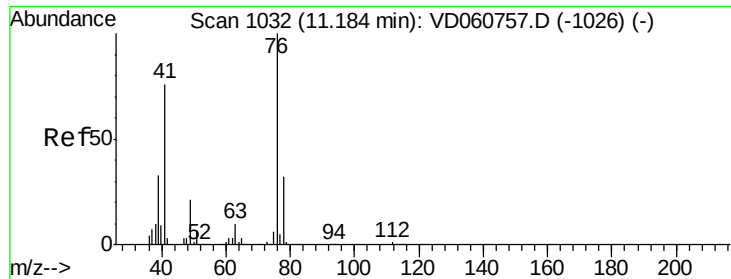
Tot Ion: 97 Resp: 1046466
 Ion Ratio Lower Upper
 97 100
 83 84.7 70.0 105.0
 85 55.7 46.6 70.0
 99 61.7 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 130.541 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion: 69 Resp: 1276518
 Ion Ratio Lower Upper
 69 100
 41 81.1 68.3 102.5
 39 55.5 37.2 55.8





#57

1,3-Dichloropropane

Concen: 112.249 ug/l

RT: 11.19 min Scan# 1033

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

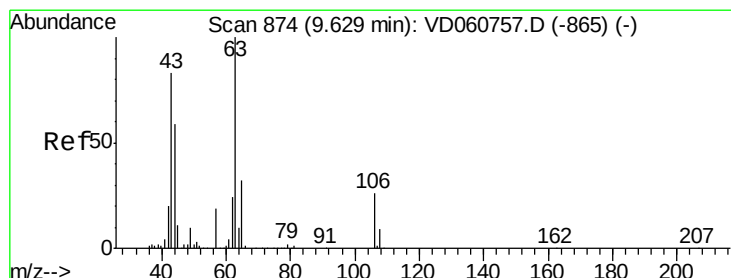
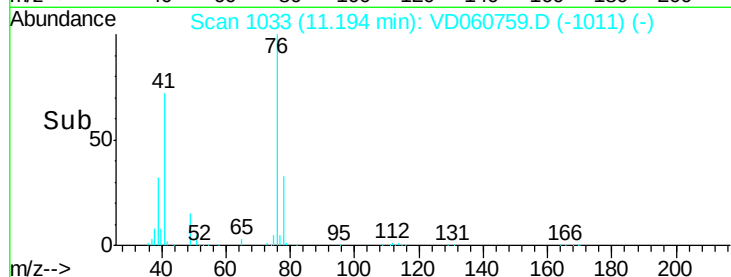
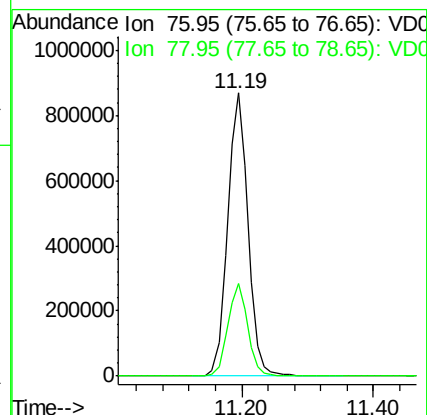
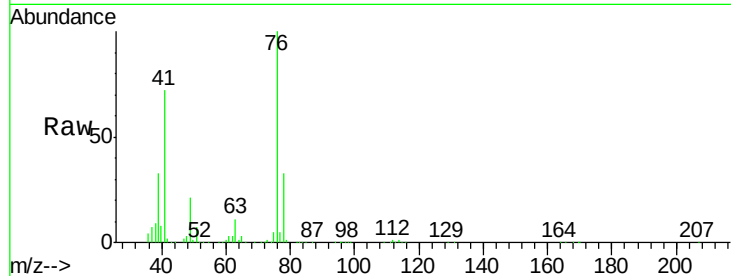
VSTDIC100

Tot Ion: 76 Resp: 1873143

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 470.720 ug/l

RT: 9.64 min Scan# 875

Delta R.T. 0.03 min

Lab File: VD060759.D

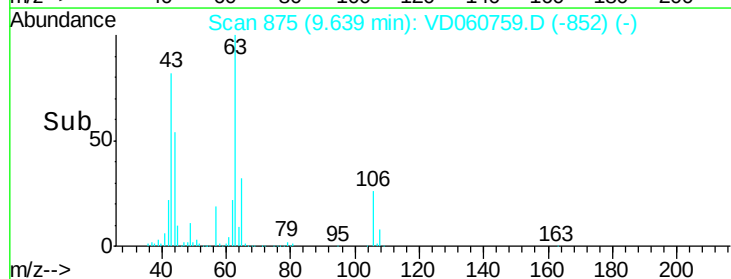
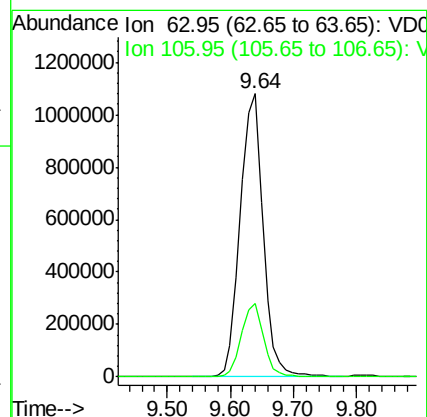
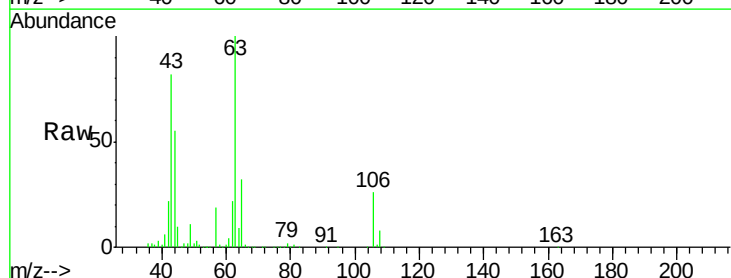
Acq: 18 Jan 2019 13:20

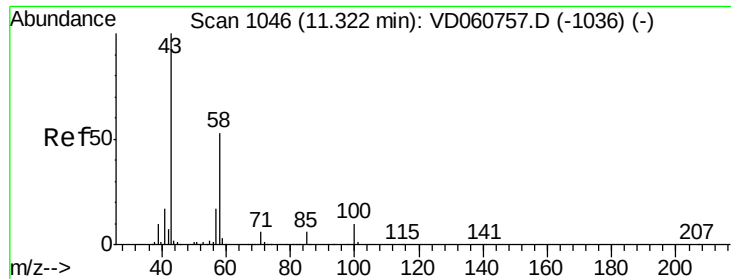
Tgt Ion: 63 Resp: 2712220

Ion Ratio Lower Upper

63 100

106 26.0 22.4 33.6

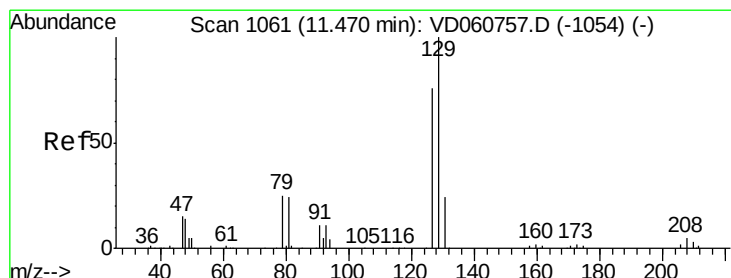
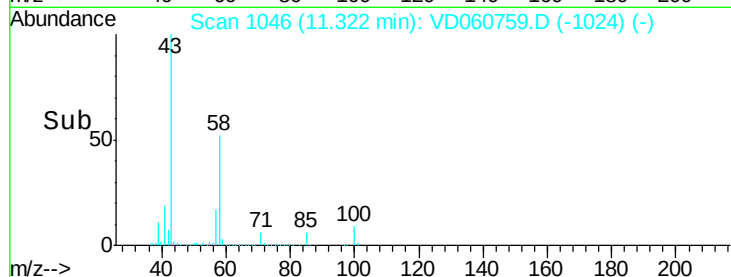
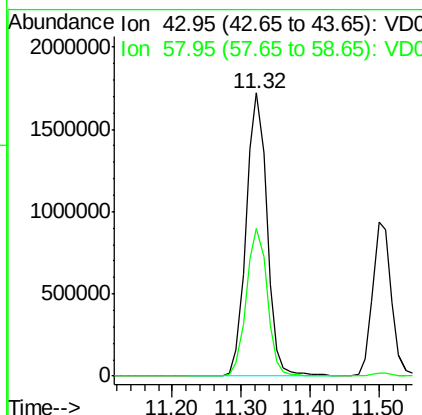
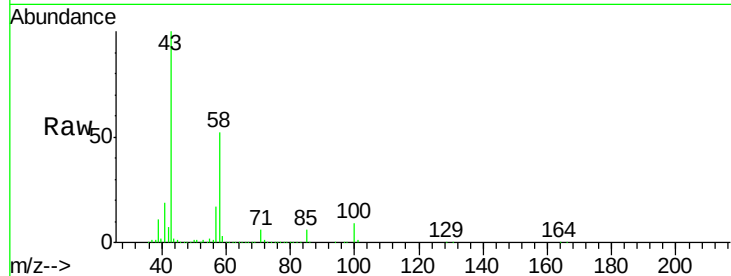




#59
2-Hexanone
Concen: 650.471 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

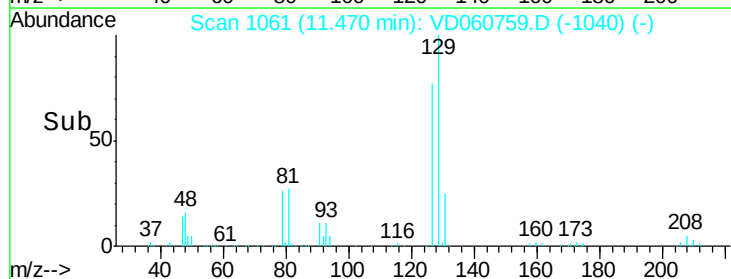
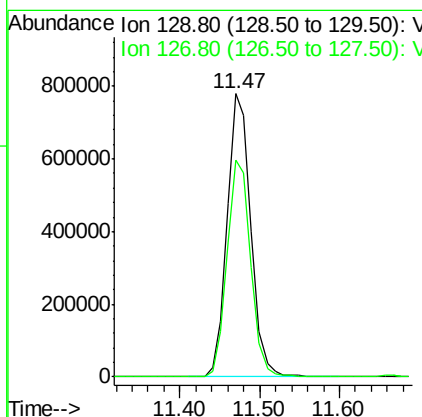
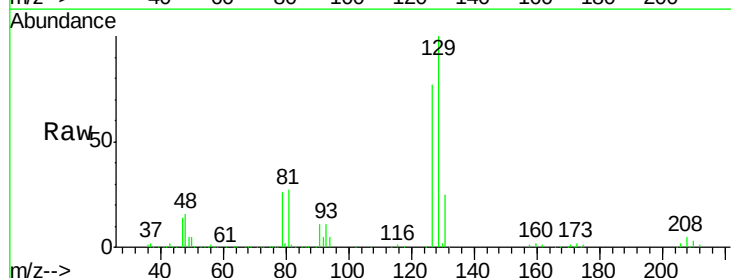
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

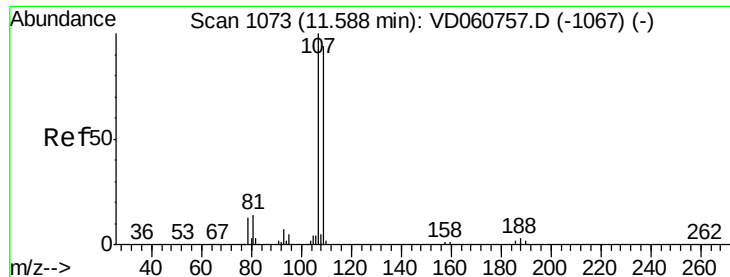
Tot Ion: 43 Resp: 3617708
Ion Ratio Lower Upper
43 100
58 52.0 23.5 70.5



#60
Dibromochloromethane
Concen: 121.426 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion: 129 Resp: 1628342
Ion Ratio Lower Upper
129 100
127 76.5 37.6 112.9





#61

1,2-Dibromoethane

Concen: 112.312 ug/l

RT: 11.60 min Scan# 1074

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

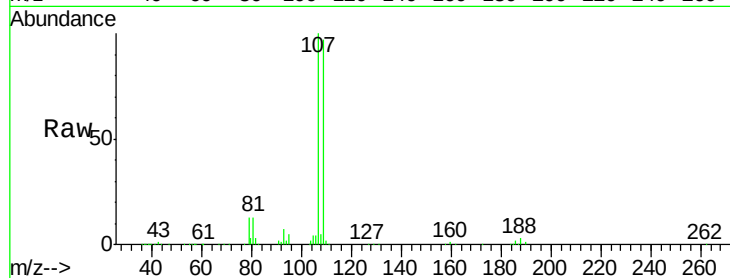
VSTDIC100

Tot Ion:107 Resp: 1226456

Ion Ratio Lower Upper

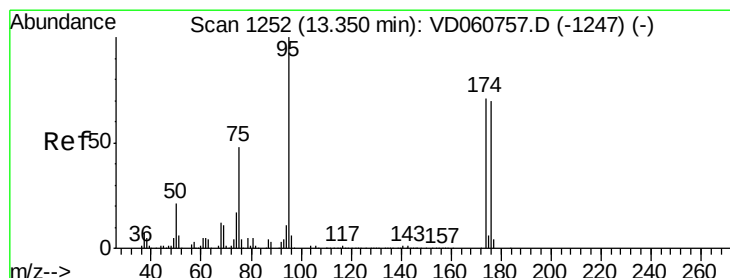
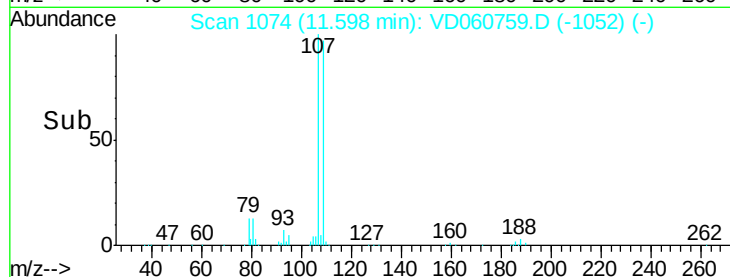
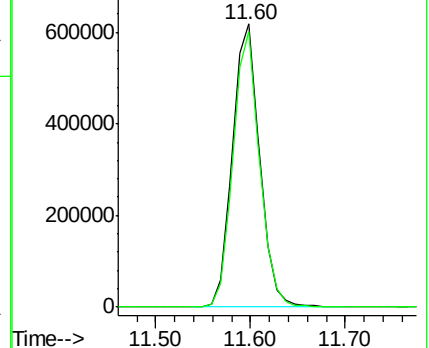
107 100

109 97.3 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 112.312 ug/l

RT: 13.36 min Scan# 1253

Delta R.T. 0.02 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

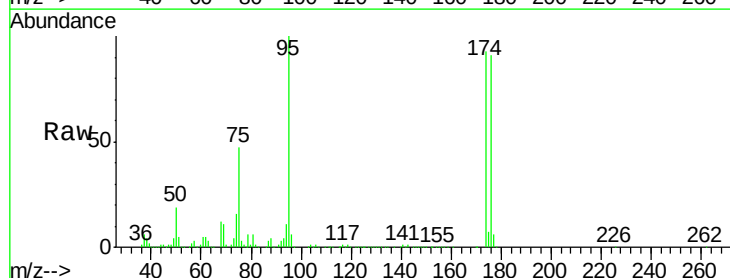
Tgt Ion: 95 Resp: 1823204

Ion Ratio Lower Upper

95 100

174 92.7 0.0 158.2

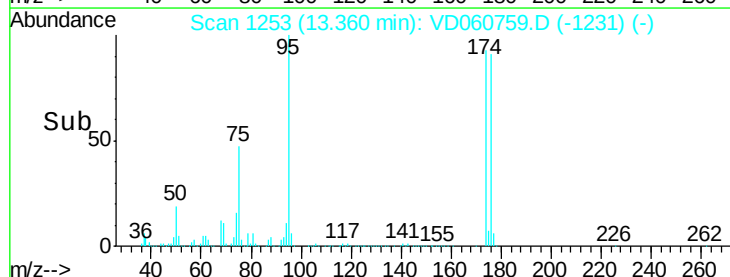
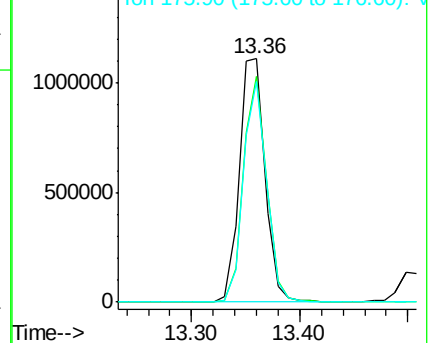
176 90.8 0.0 152.4

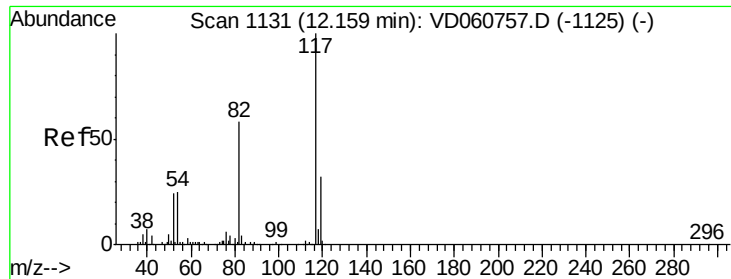


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

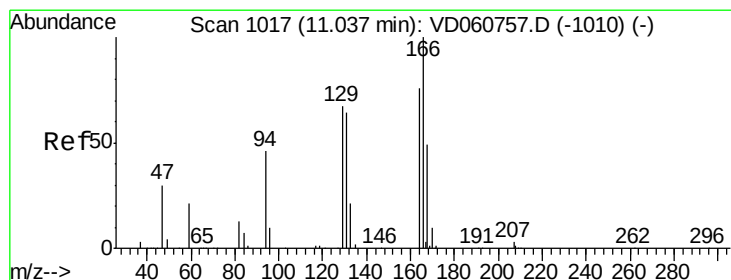
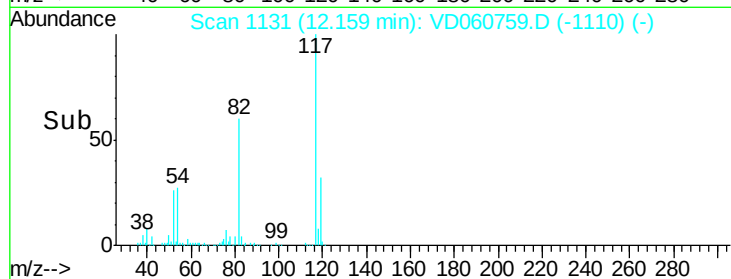
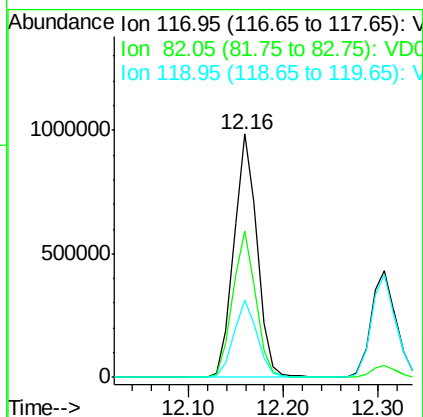
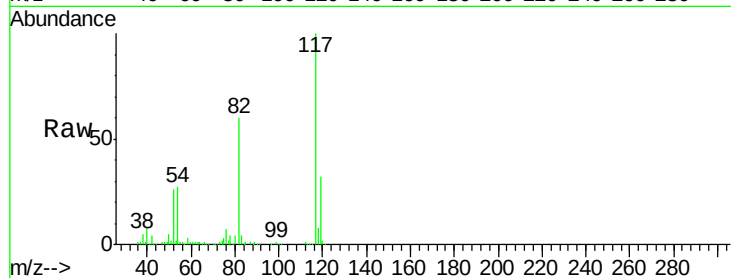




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

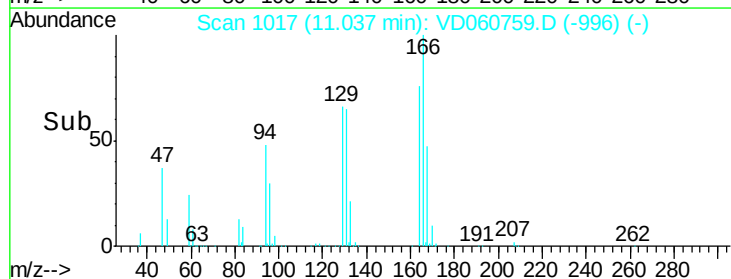
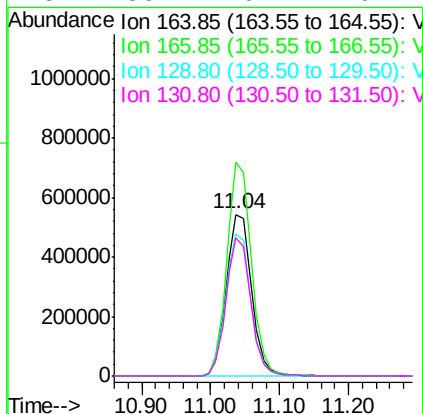
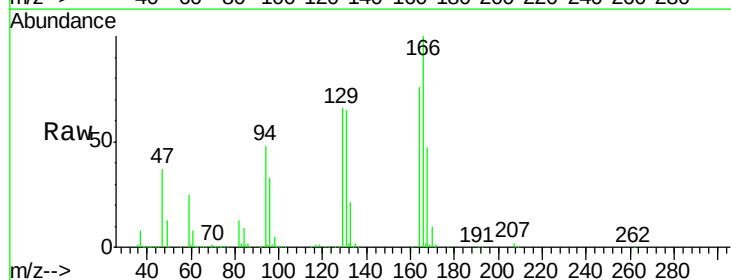
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

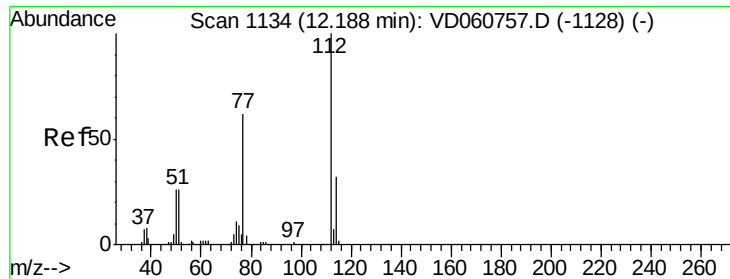
Tot Ion:117 Resp: 1670599
Ion Ratio Lower Upper
117 100
82 59.9 44.5 66.7
119 31.8 26.3 39.5



#64
Tetrachloroethene
Concen: 91.002 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion:164 Resp: 1377933
Ion Ratio Lower Upper
164 100
166 132.4 104.4 156.6
129 87.8 62.7 94.1
131 85.4 61.1 91.7

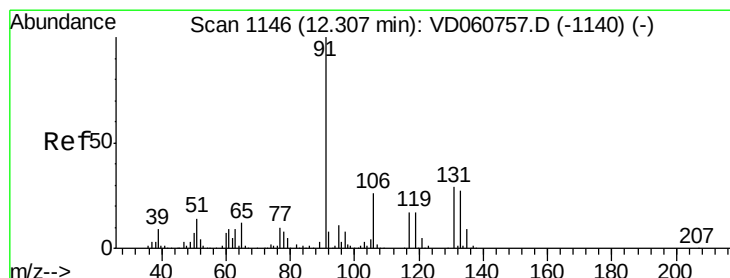
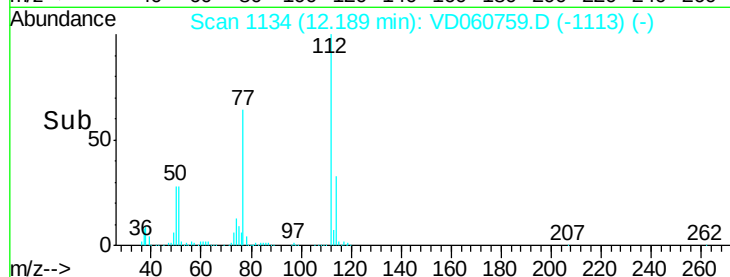
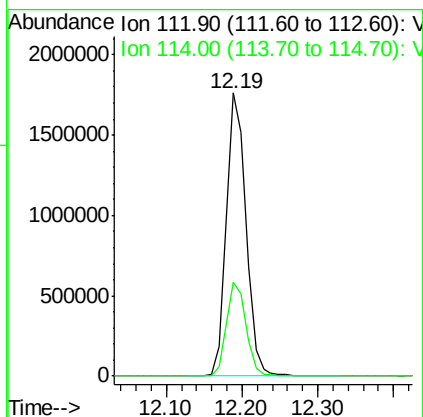
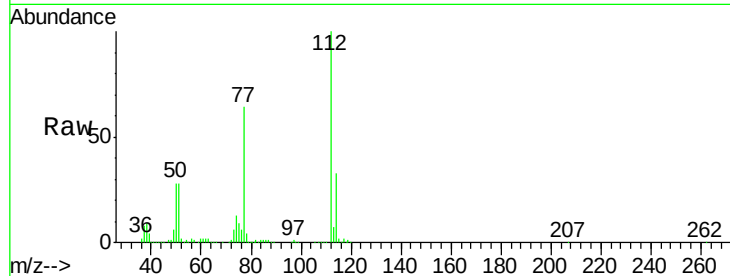




#65
Chlorobenzene
Concen: 85.283 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

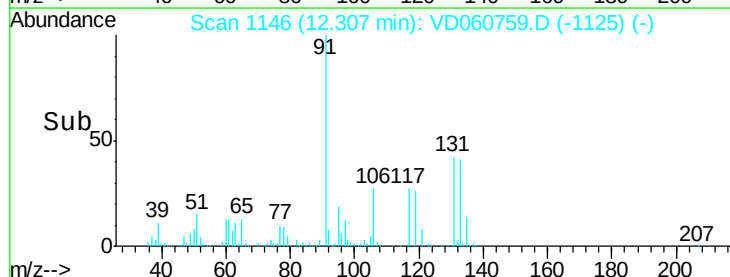
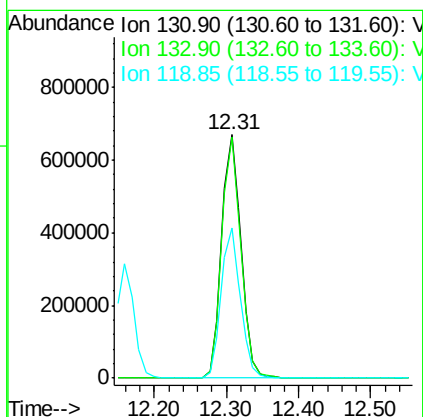
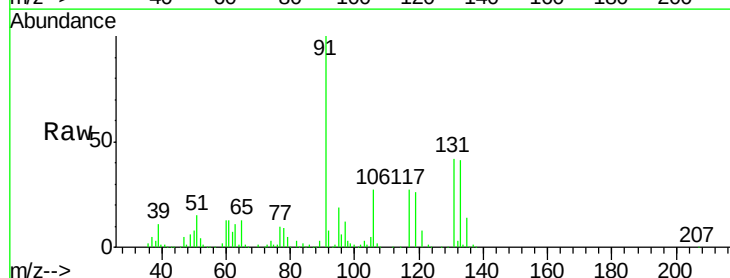
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

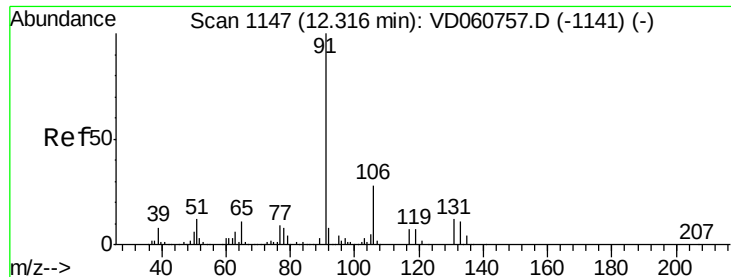
Tot Ion:112 Resp: 3147736
Ion Ratio Lower Upper
112 100
114 33.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 104.490 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion:131 Resp: 1240031
Ion Ratio Lower Upper
131 100
133 99.0 49.1 147.3
119 61.9 36.6 109.8





#67

Ethyl Benzene

Concen: 80.263 ug/l

RT: 12.32 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

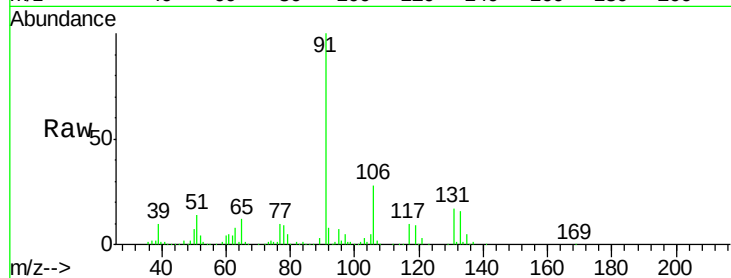
VSTDIC100

Tot Ion: 91 Resp: 5073539

Ion Ratio Lower Upper

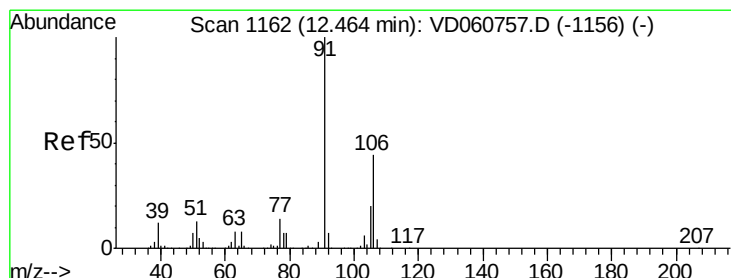
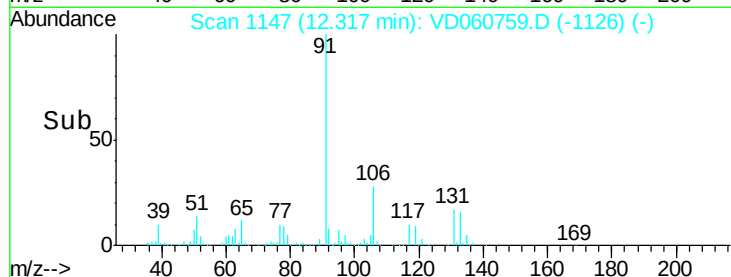
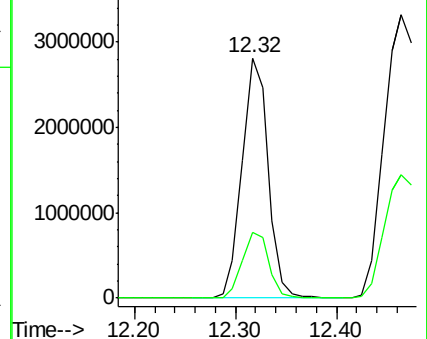
91 100

106 27.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 147.460 ug/l

RT: 12.46 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VD060759.D

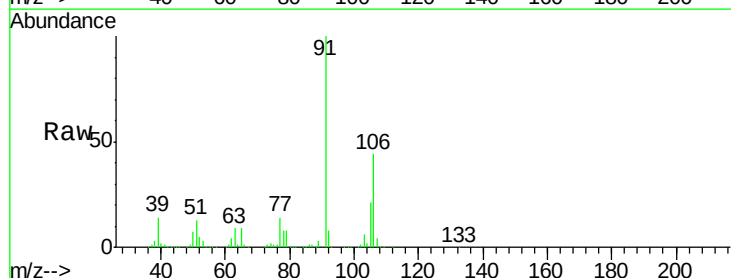
Acq: 18 Jan 2019 13:20

Tgt Ion: 106 Resp: 3406454

Ion Ratio Lower Upper

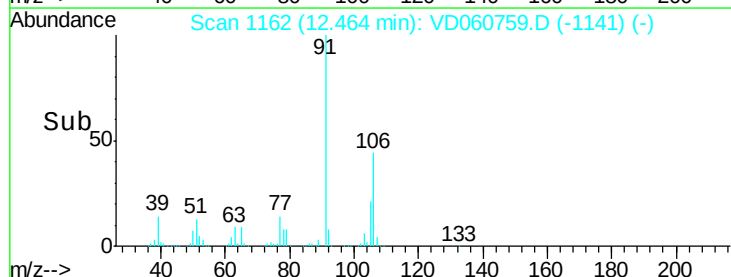
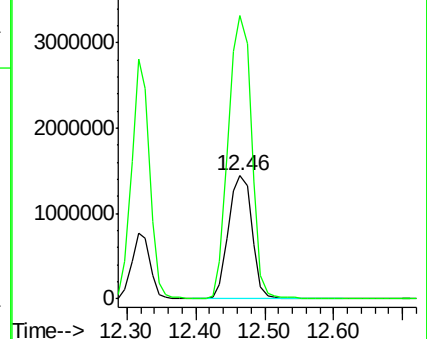
106 100

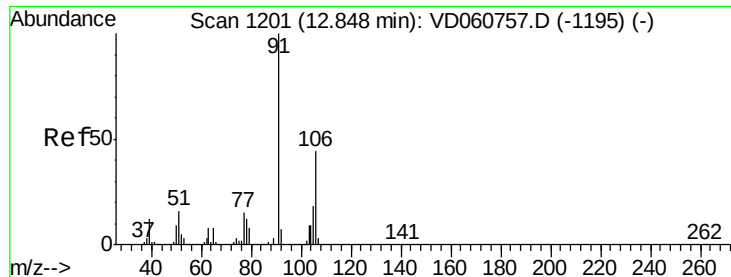
91 229.7 158.9 238.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

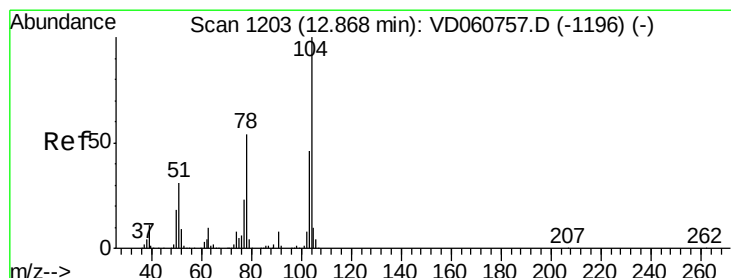
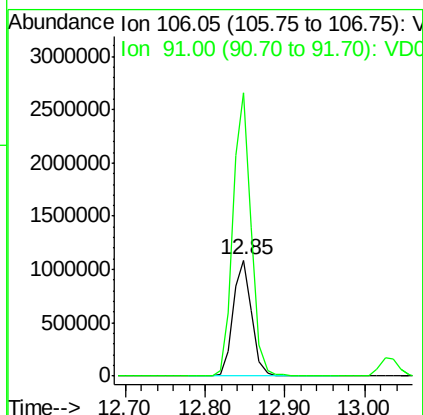
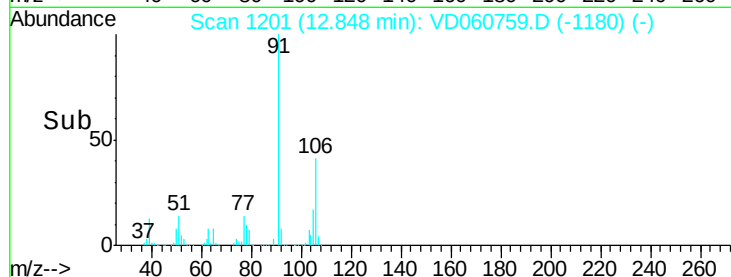
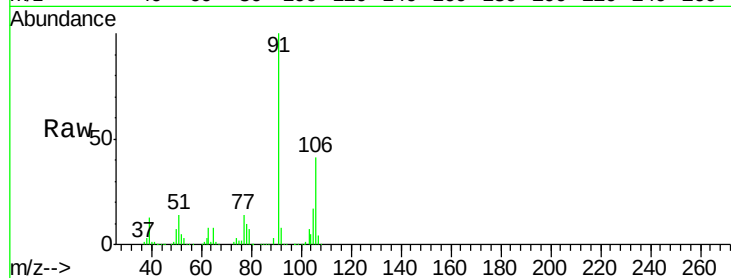




#69
o-Xylene
Concen: 80.480 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

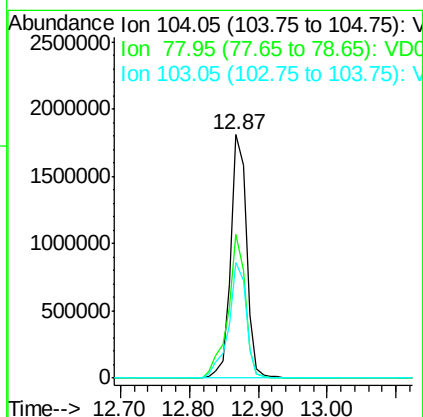
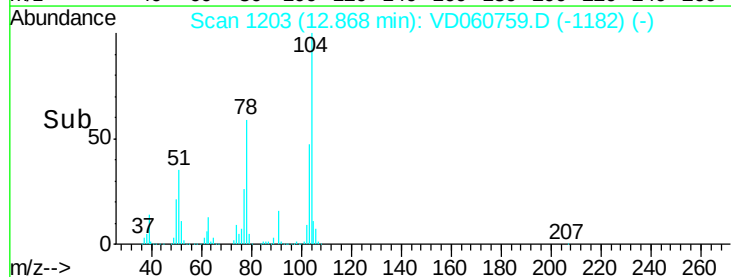
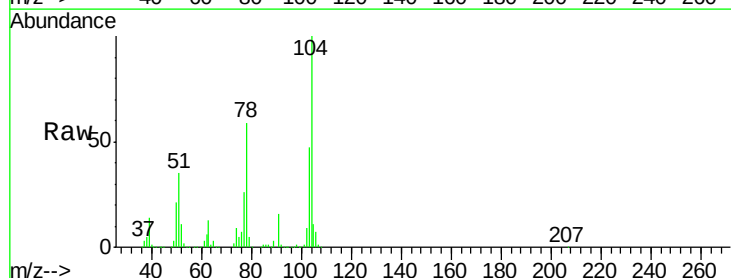
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

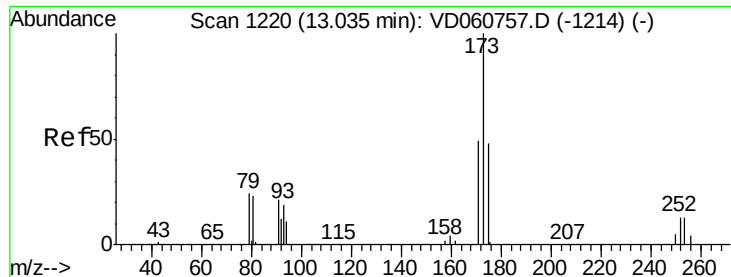
Tot Ion:106 Resp: 1763825
Ion Ratio Lower Upper
106 100
91 244.3 101.5 304.5



#70
Styrene
Concen: 81.776 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion:104 Resp: 2886521
Ion Ratio Lower Upper
104 100
78 59.1 31.4 47.2#
103 47.4 37.5 56.3





#71

Bromoform

Concen: 141.157 ug/l

RT: 13.04 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

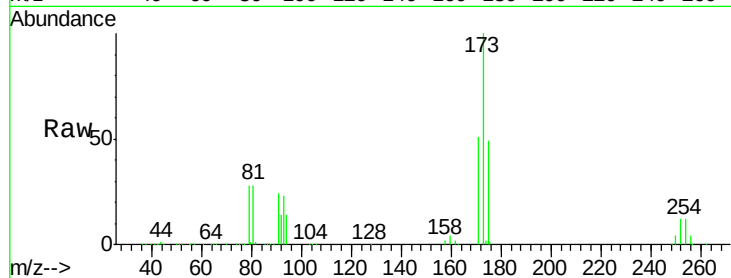
Tot Ion:173 Resp: 1105783

Ion Ratio Lower Upper

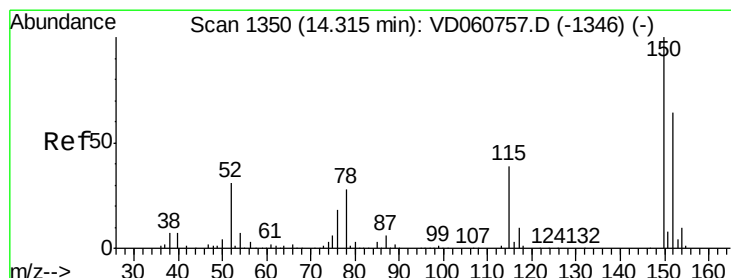
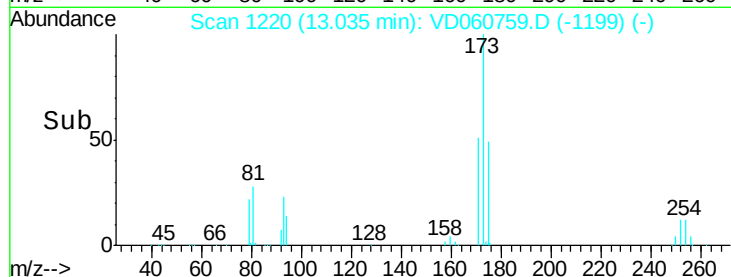
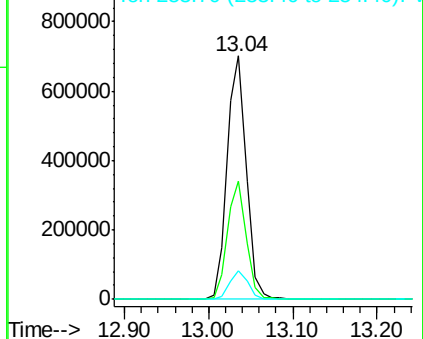
173 100

175 48.7 25.5 76.5

254 12.0 7.9 11.9#



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: 14.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

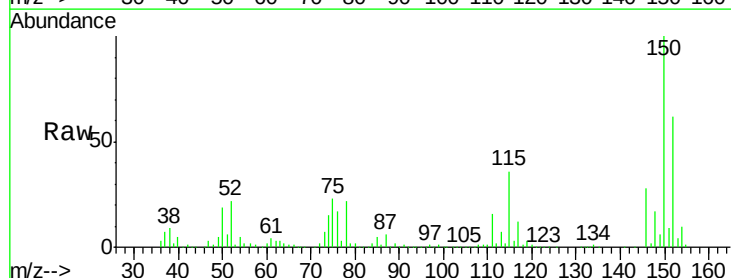
Tgt Ion:152 Resp: 816401

Ion Ratio Lower Upper

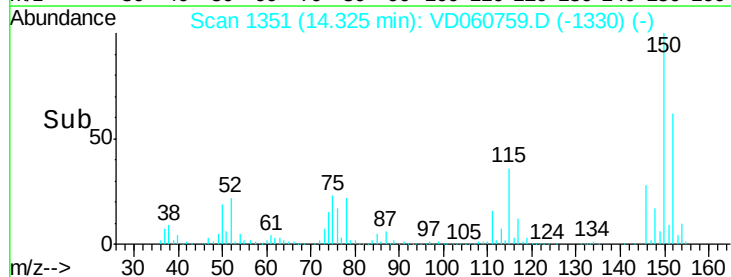
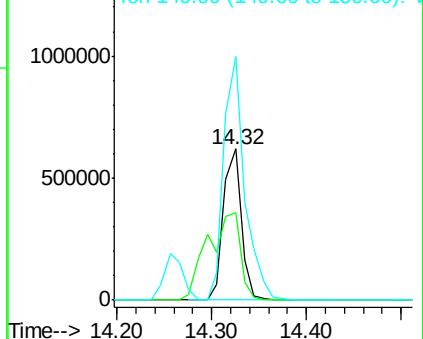
152 100

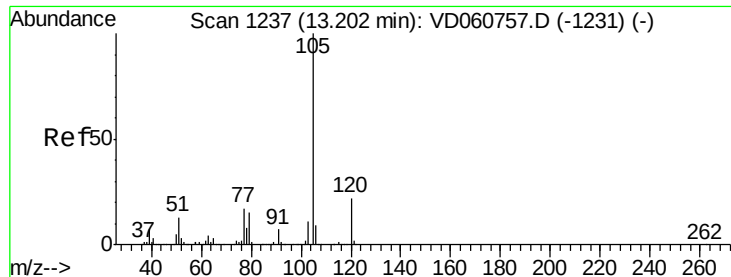
115 57.6 24.1 72.3

150 161.3 0.0 315.0



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: 87.856 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

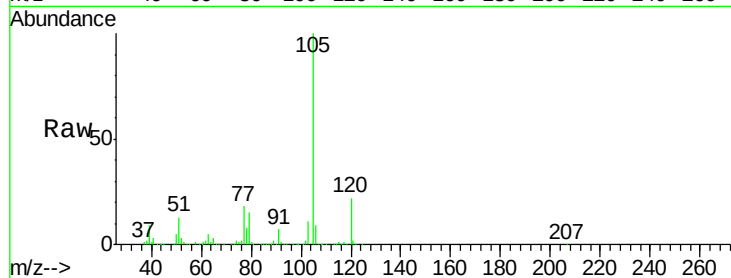
VSTDIC100

Tot Ion:105 Resp: 5106768

Ion Ratio Lower Upper

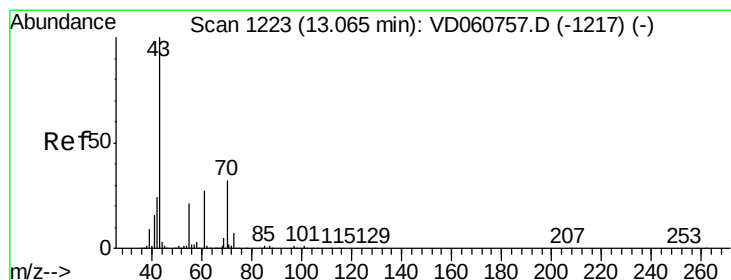
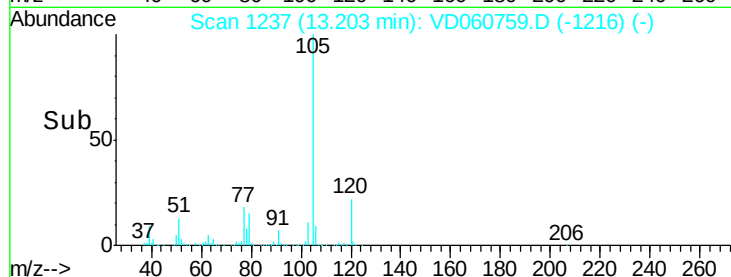
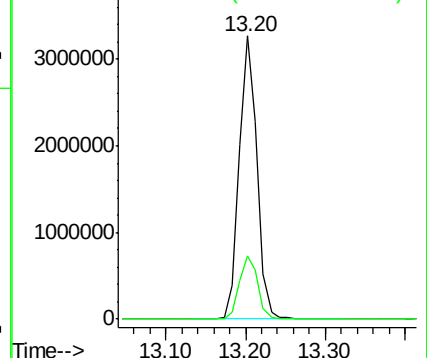
105 100

120 22.2 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 150.280 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Tgt Ion: 43 Resp: 2061627

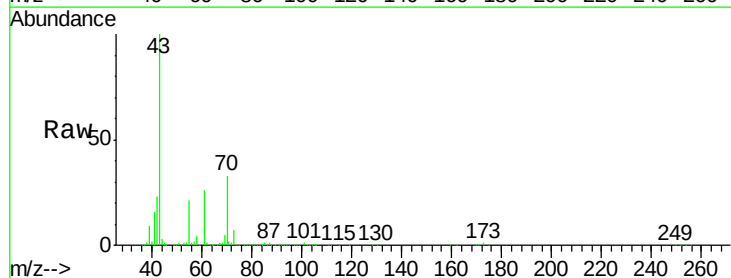
Ion Ratio Lower Upper

43 100

70 32.6 22.2 33.2

55 20.7 13.8 20.8

61 25.9 18.2 27.2

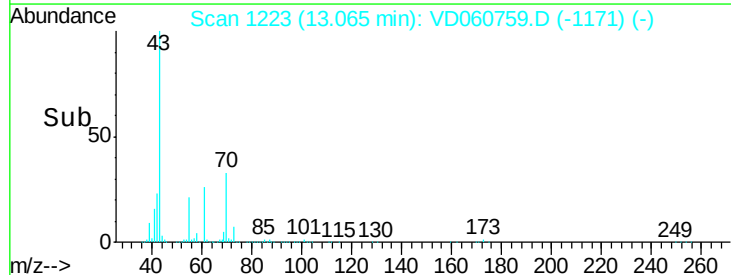
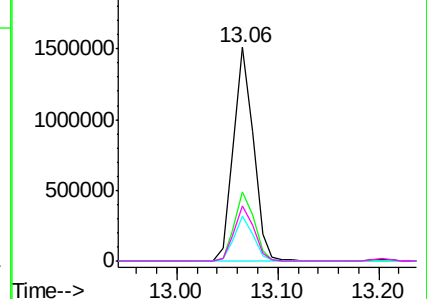


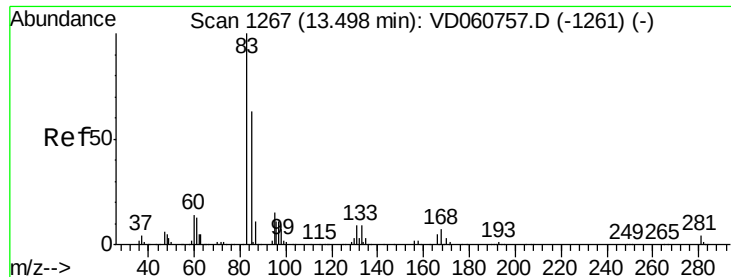
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 131.303 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

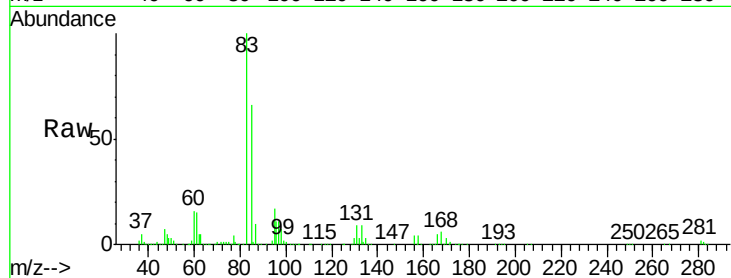
Tot Ion: 83 Resp: 1237098

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.2	12.4
85	66.1	32.6	97.7

83 100

131 8.6 4.2 12.4

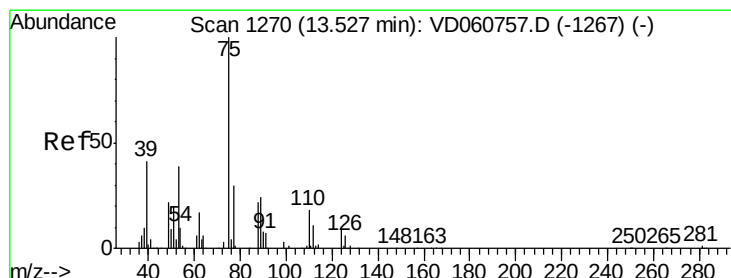
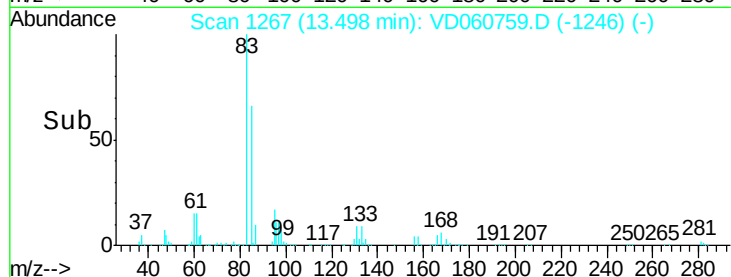
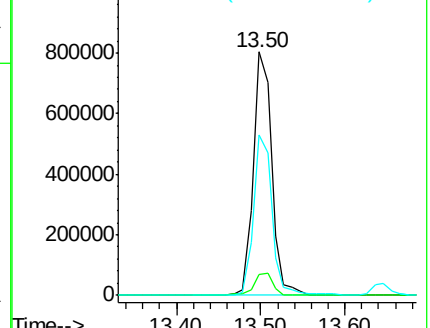
85 66.1 32.6 97.7



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: 151.236 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD060759.D

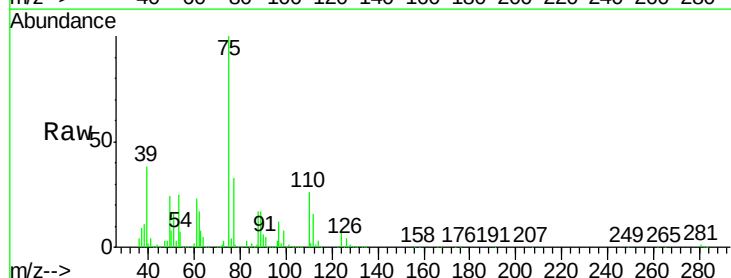
Acq: 18 Jan 2019 13:20

Tgt Ion: 75 Resp: 1405679

Ion	Ratio	Lower	Upper
75	100		
77	32.8	16.7	50.0

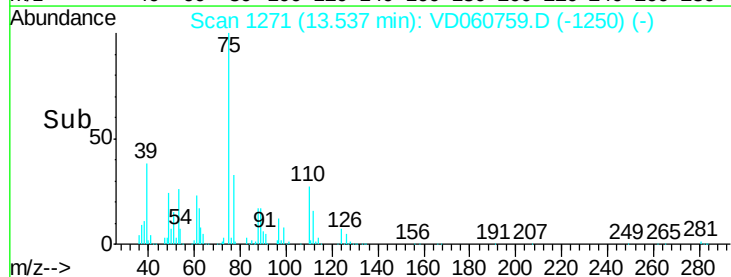
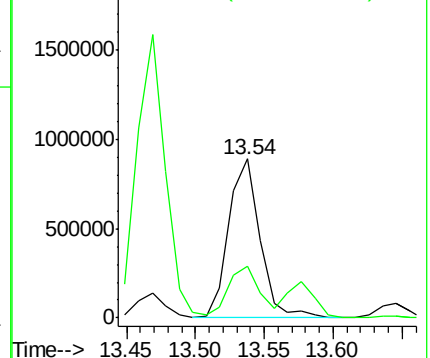
75 100

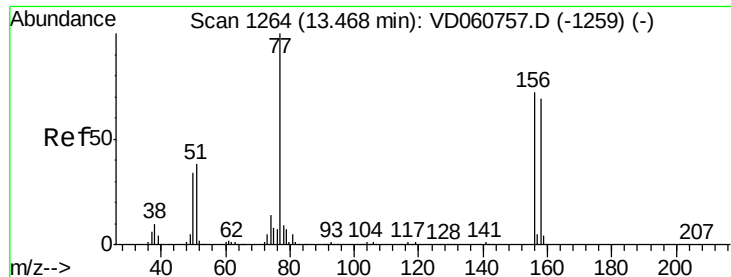
77 32.8 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 102.153 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

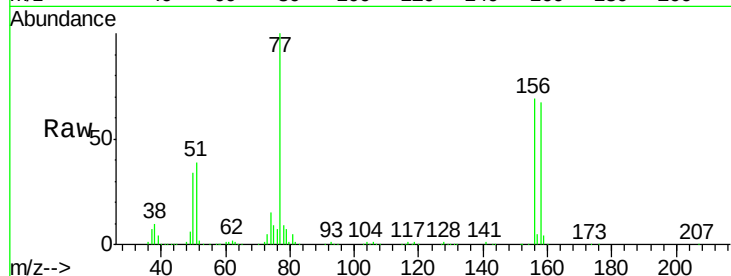
VSTDIC100

Tot Ion:156 Resp: 1567654

Ion	Ratio	Lower	Upper
156	100		
77	145.9	61.3	183.9
158	97.6	48.9	146.6

77 145.9 61.3 183.9

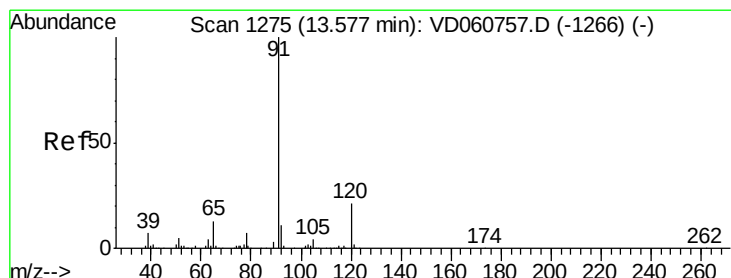
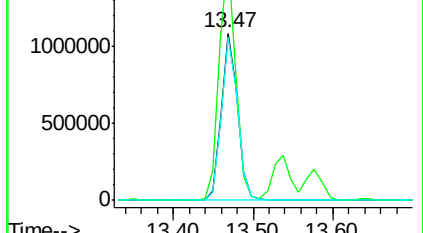
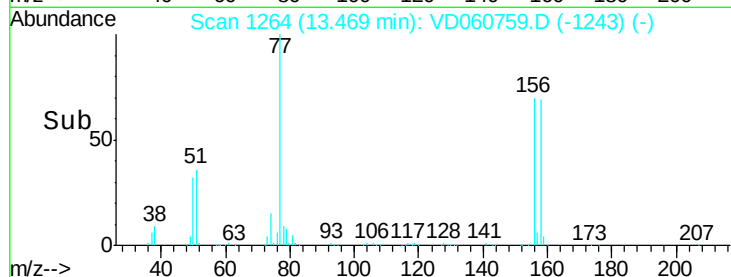
158 97.6 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 88.244 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VD060759.D

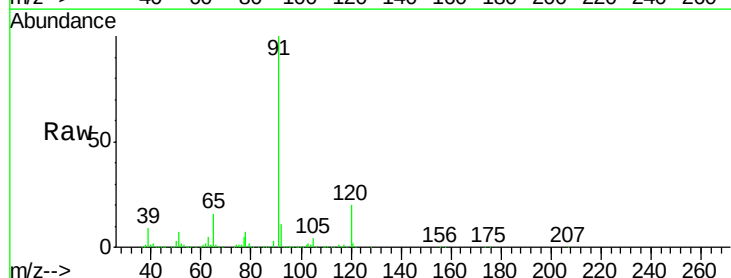
Acq: 18 Jan 2019 13:20

Tgt Ion: 91 Resp: 6557487

Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.4	31.2

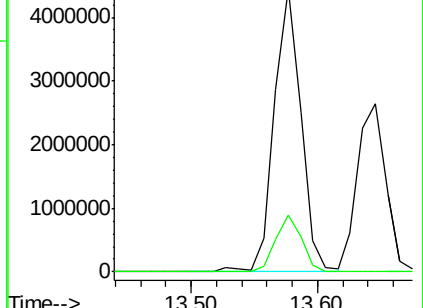
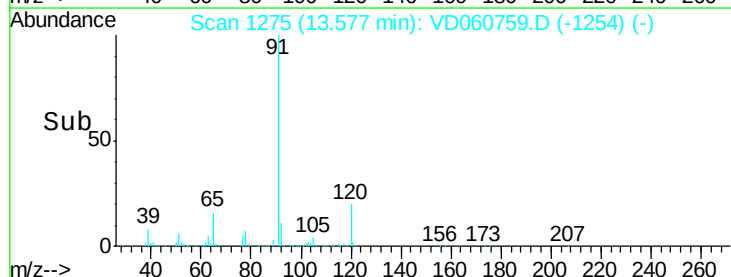
91 100

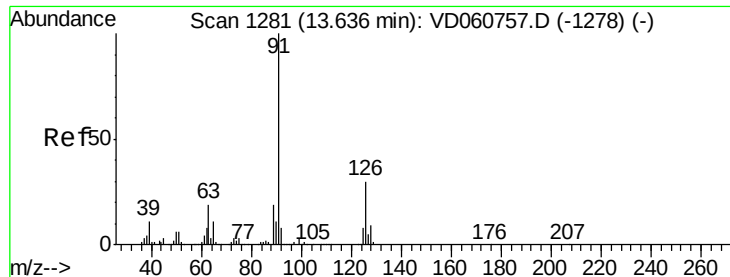
120 20.0 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 102.245 ug/l

RT: 13.65 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

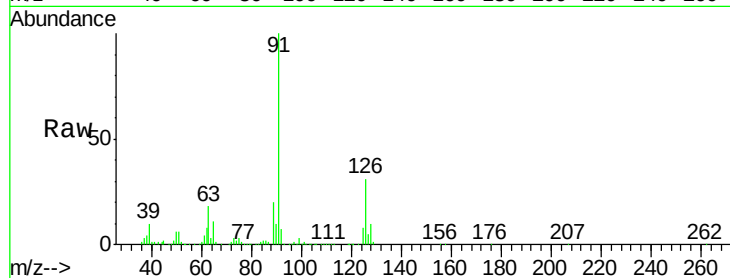
VSTDICC100

Tot Ion: 91 Resp: 4069543

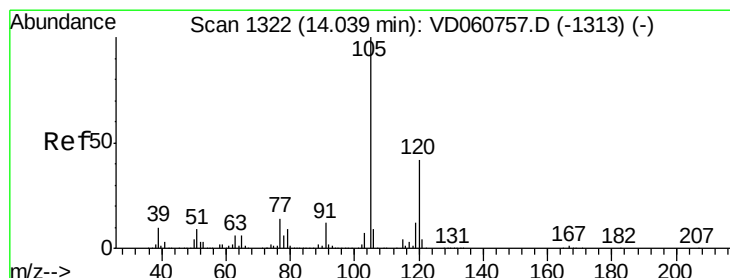
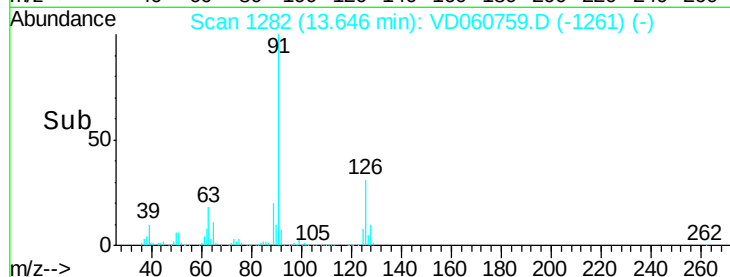
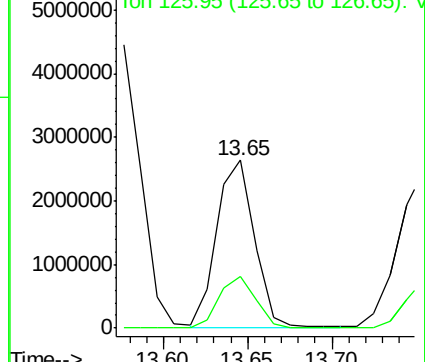
Ion Ratio Lower Upper

91 100

126 30.7 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VD060759.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 97.684 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD060759.D

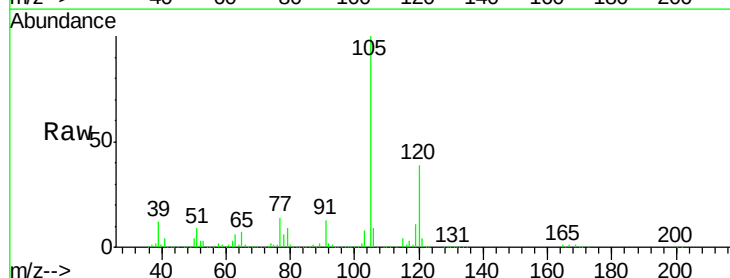
Acq: 18 Jan 2019 13:20

Tgt Ion:105 Resp: 4384521

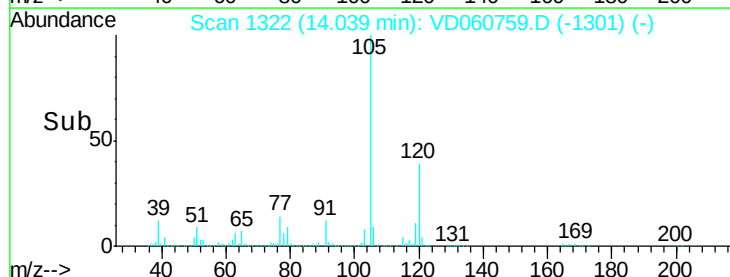
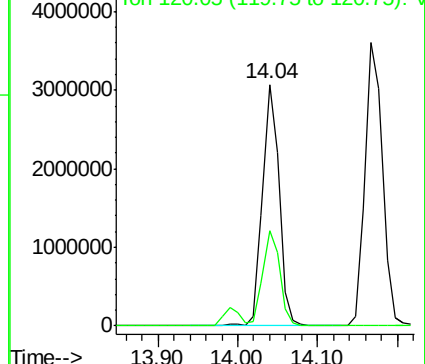
Ion Ratio Lower Upper

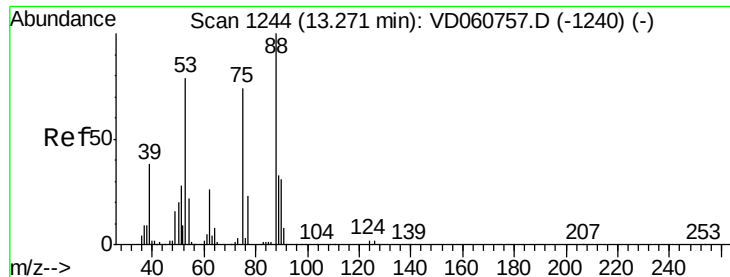
105 100

120 39.3 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060759.D (-1301) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 158.460 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

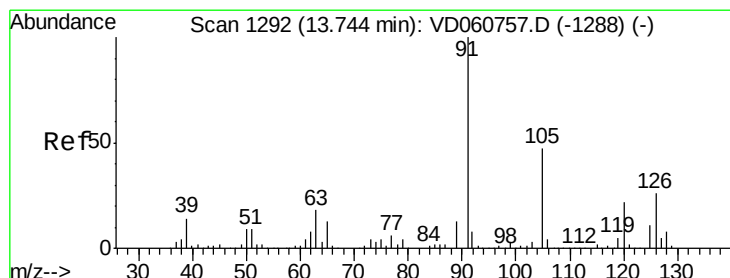
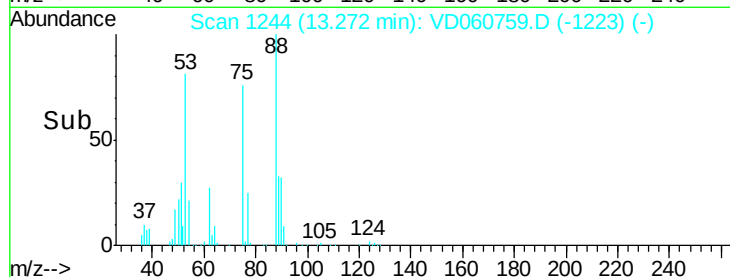
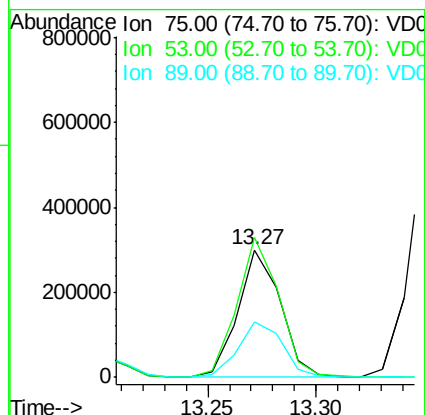
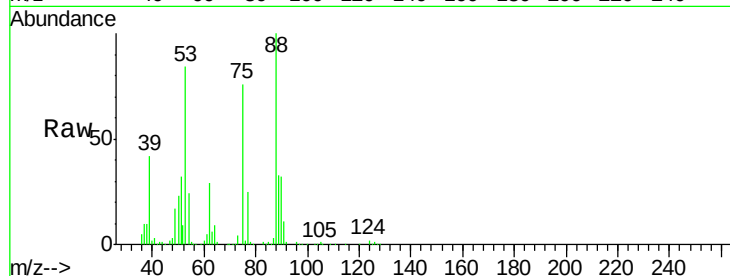
Tot Ion: 75 Resp: 406977

Ion Ratio Lower Upper

75 100

53 110.2 72.1 108.1#

89 43.3 35.1 52.7



#82

4-Chlorotoluene

Concen: 84.556 ug/l

RT: 13.75 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VD060759.D

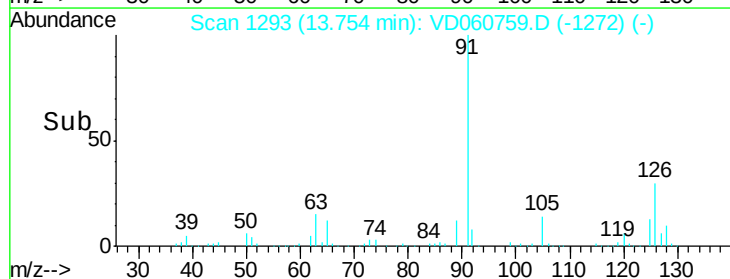
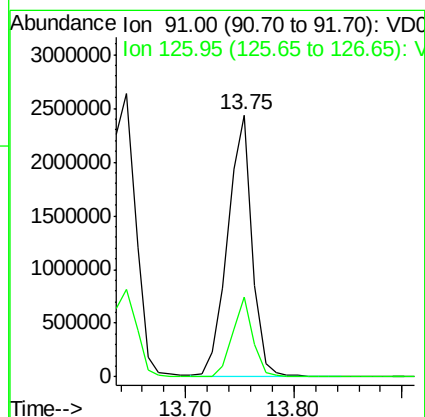
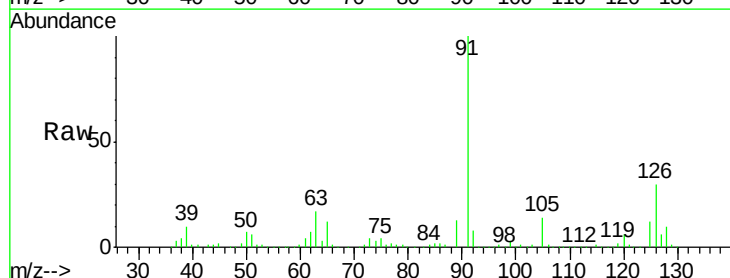
Acq: 18 Jan 2019 13:20

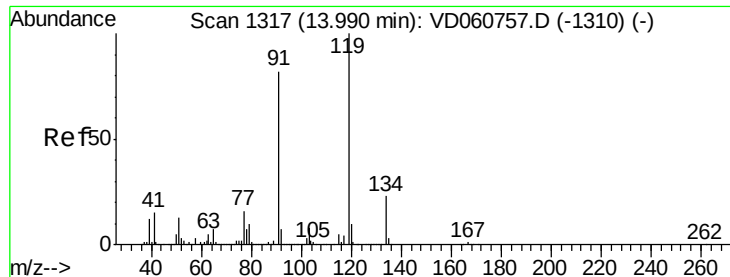
Tgt Ion: 91 Resp: 3814598

Ion Ratio Lower Upper

91 100

126 30.3 14.6 43.8

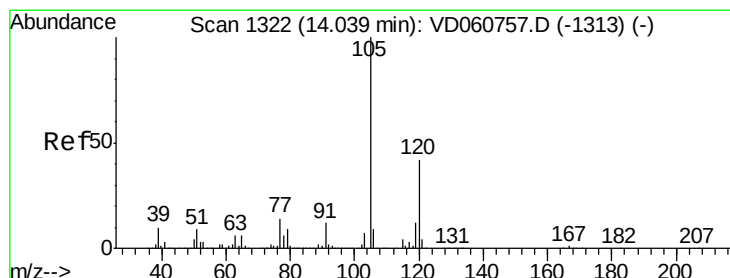
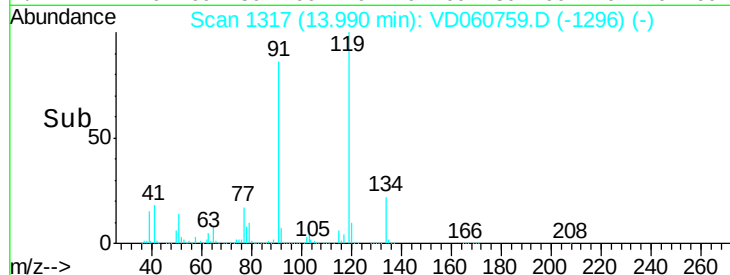
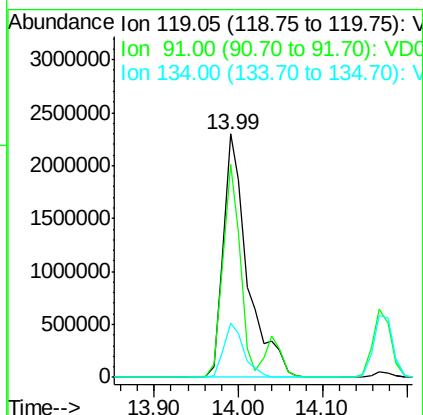
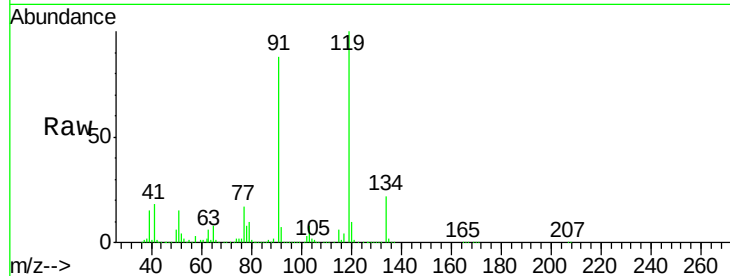




#83
 tert-Butylbenzene
 Concen: 90.376 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

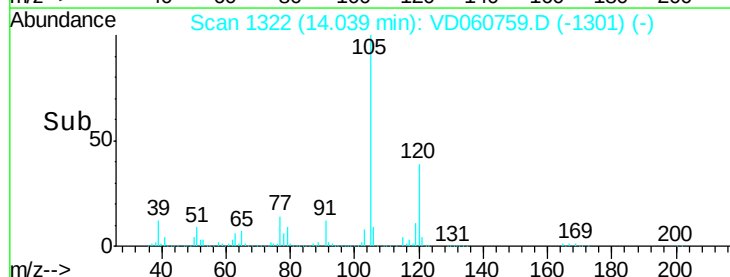
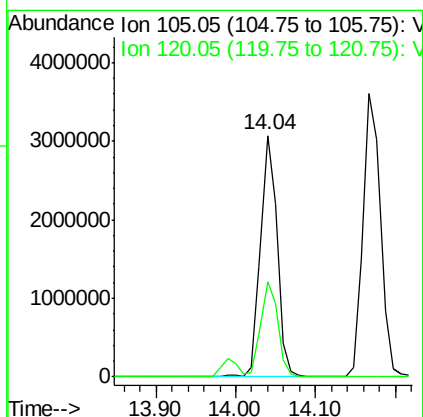
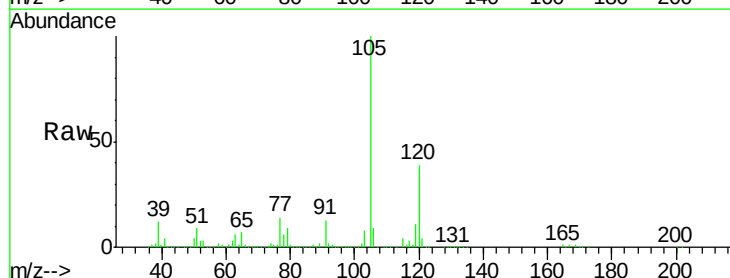
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

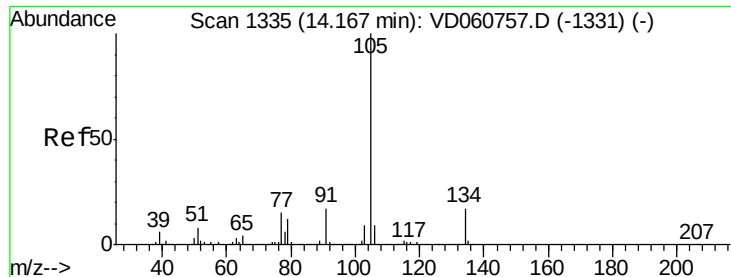
Tot Ion:119 Resp: 4616560
 Ion Ratio Lower Upper
 119 100
 91 87.7 32.5 97.4
 134 22.0 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 94.845 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion:105 Resp: 4384521
 Ion Ratio Lower Upper
 105 100
 120 39.3 22.4 67.0





#85

sec-Butylbenzene

Concen: 87.422 ug/l

RT: 14.17 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

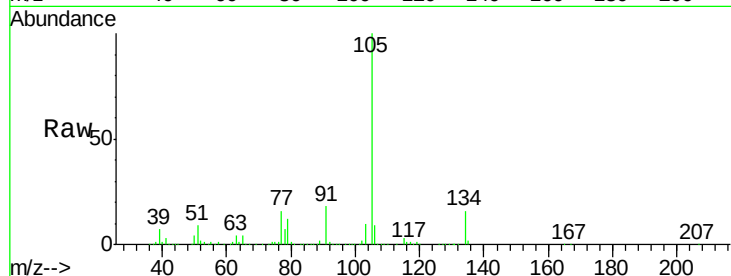
VSTDIC100

Tot Ion:105 Resp: 5446032

Ion Ratio Lower Upper

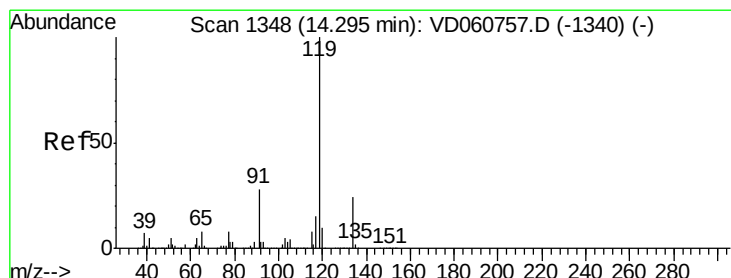
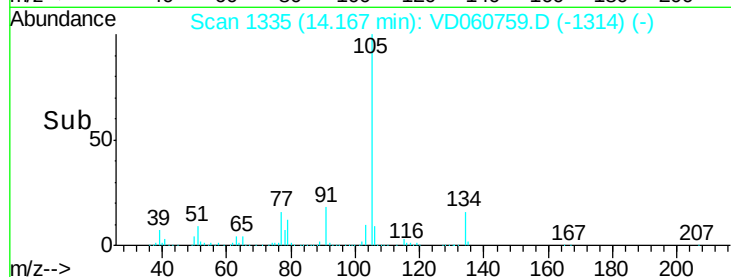
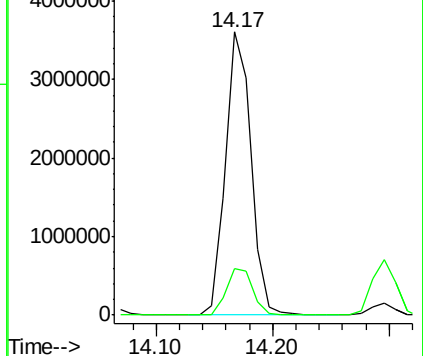
105 100

134 16.3 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 87.680 ug/l

RT: 14.30 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

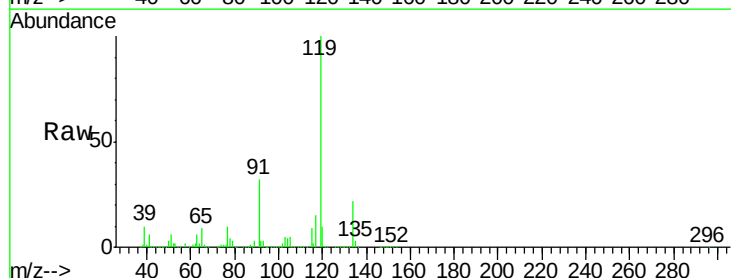
Tgt Ion:119 Resp: 4409105

Ion Ratio Lower Upper

119 100

134 22.5 12.5 37.5

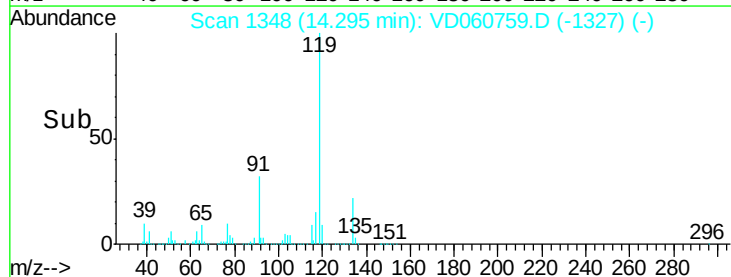
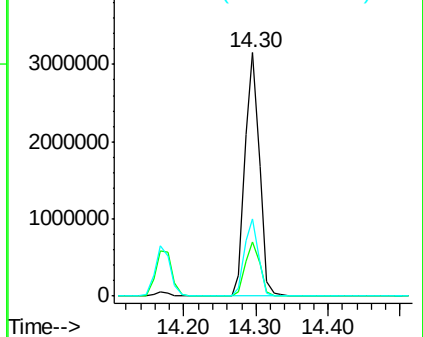
91 31.8 11.4 34.2

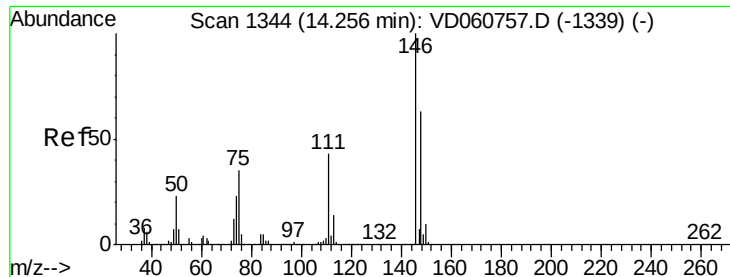


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

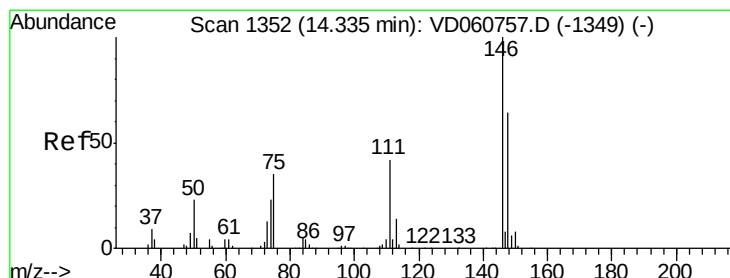
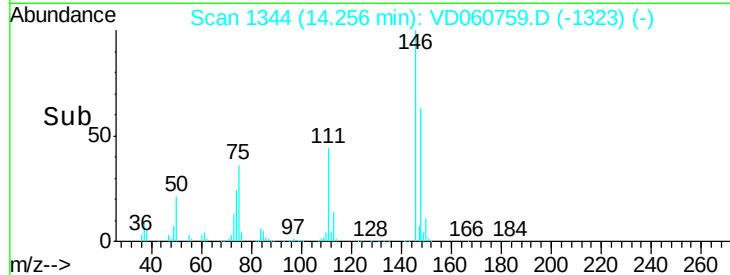
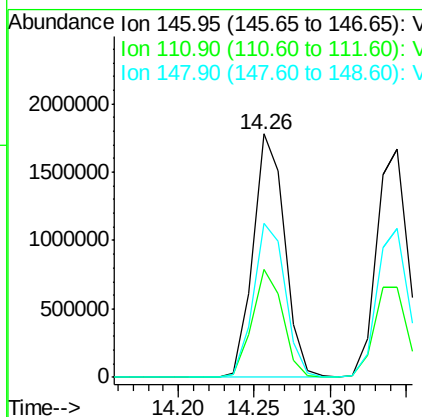
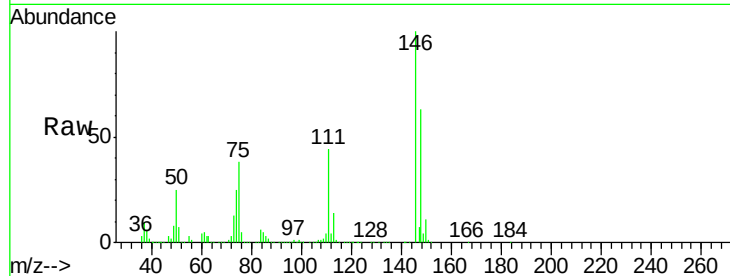




#87
 1,3-Dichlorobenzene
 Concen: 92.168 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

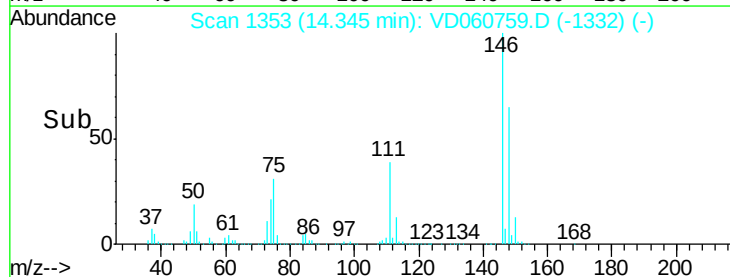
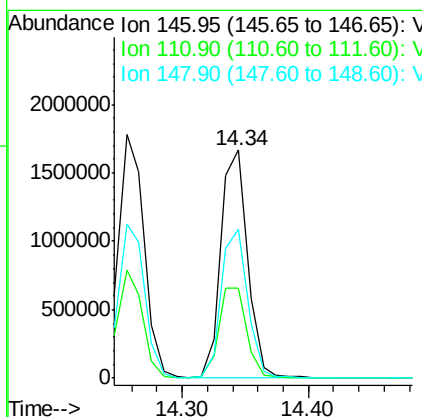
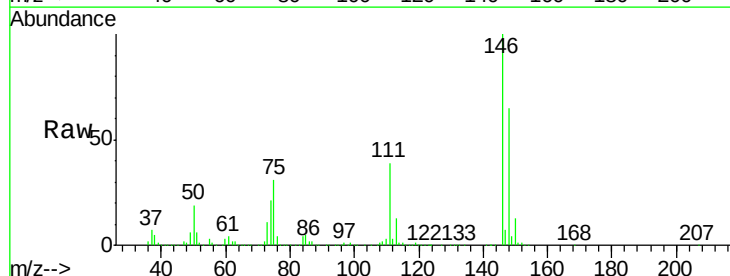
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

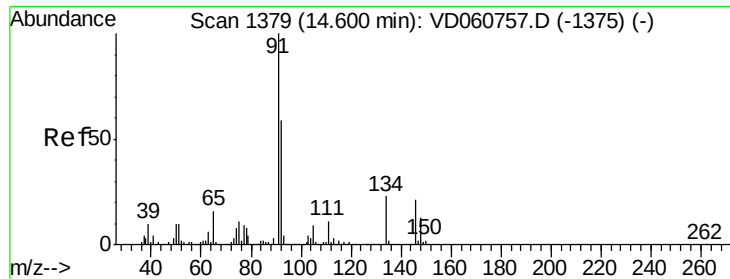
Tot Ion:146 Resp: 2596490
 Ion Ratio Lower Upper
 146 100
 111 44.2 16.6 49.8
 148 63.4 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 88.193 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion:146 Resp: 2448246
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.2 48.5
 148 65.1 32.7 98.1





#89

n-Butylbenzene

Concen: 72.316 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

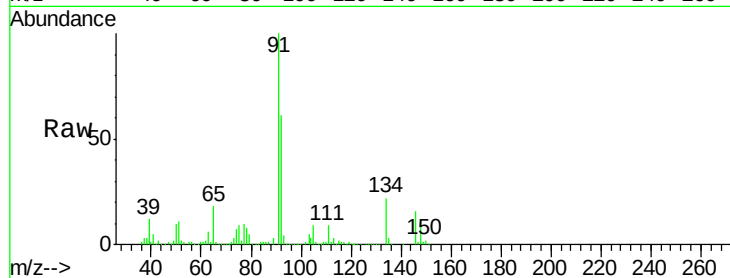
Tot Ion: 91 Resp: 3716117

Ion Ratio Lower Upper

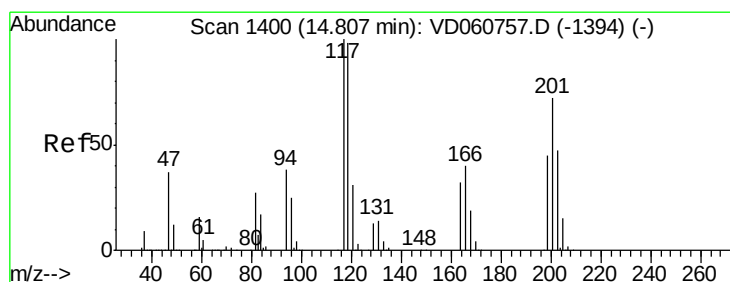
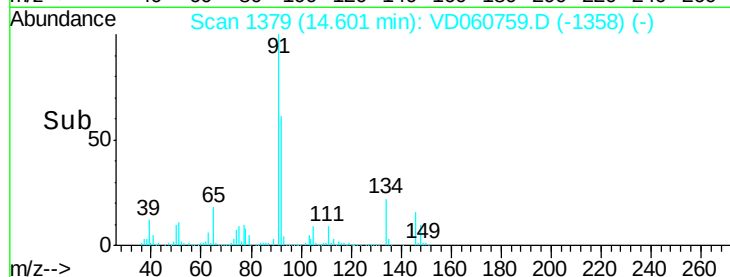
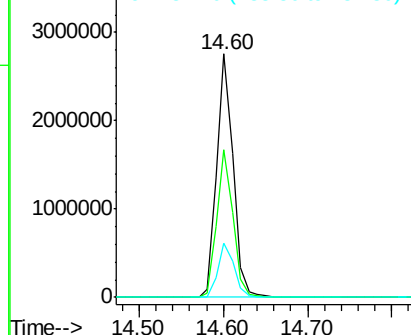
91 100

92 60.8 29.7 89.1

134 22.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 107.978 ug/l

RT: 14.81 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VD060759.D

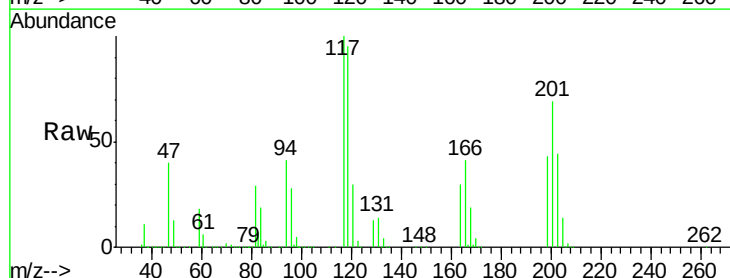
Acq: 18 Jan 2019 13:20

Tgt Ion: 117 Resp: 1333908

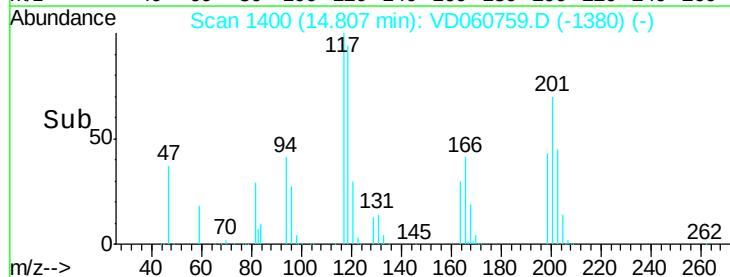
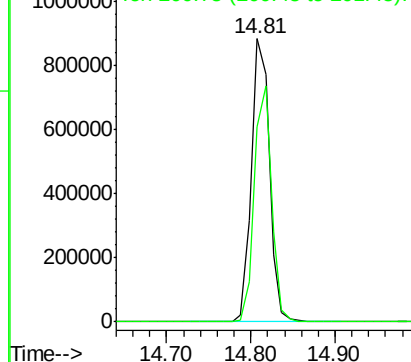
Ion Ratio Lower Upper

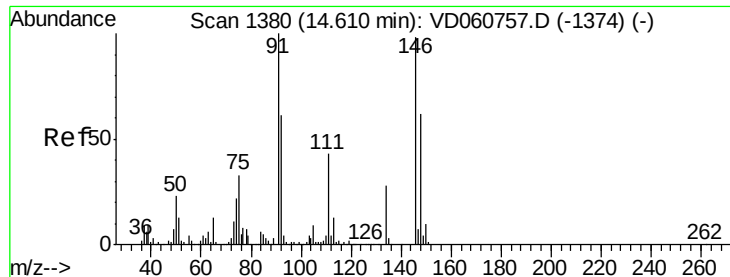
117 100

201 68.9 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 78.216 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

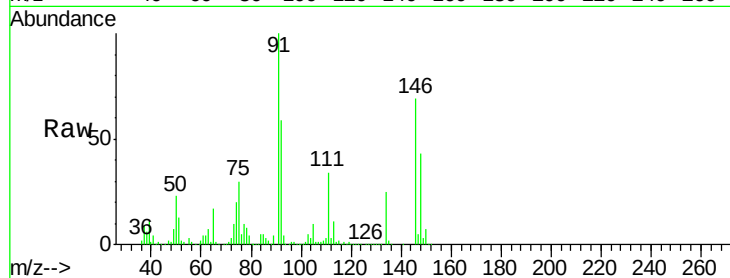
Tot Ion:146 Resp: 1767538

Ion Ratio Lower Upper

146 100

111 49.8 19.3 57.9

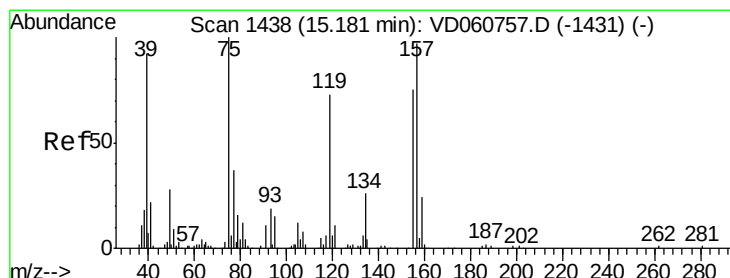
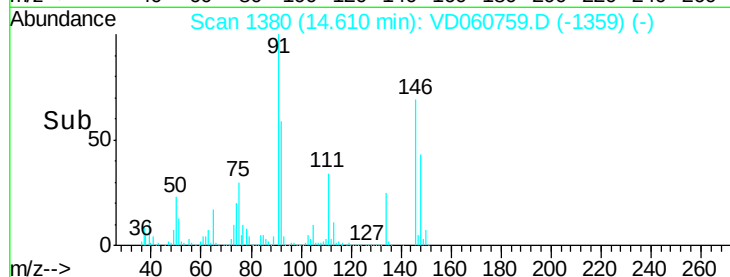
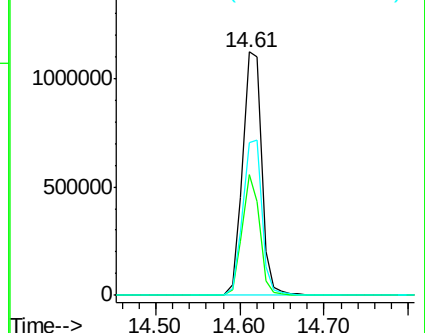
148 62.7 31.9 95.9



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: 219.604 ug/l

RT: 15.18 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VD060759.D

Acq: 18 Jan 2019 13:20

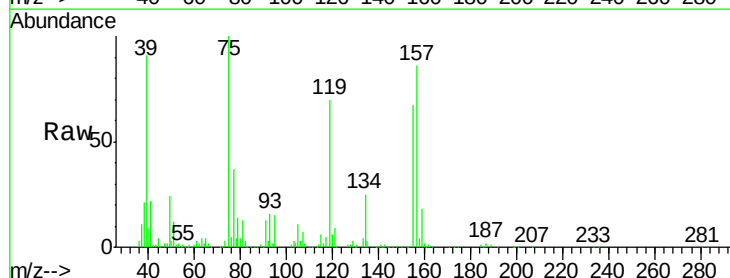
Tgt Ion: 75 Resp: 243072

Ion Ratio Lower Upper

75 100

155 66.6 41.1 123.4

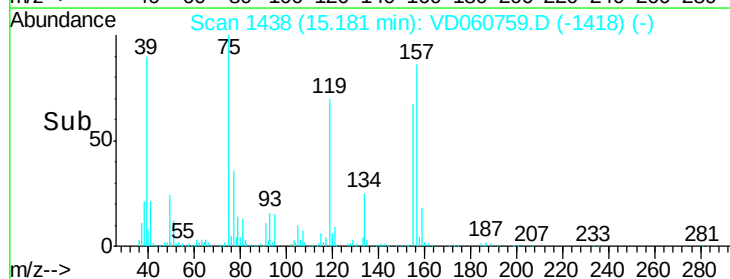
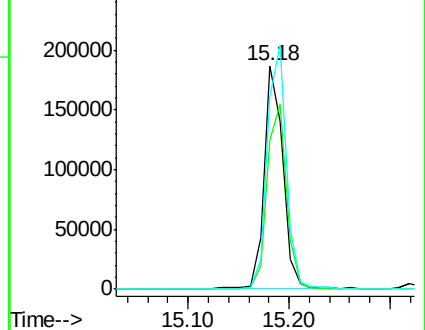
157 86.2 52.5 157.6

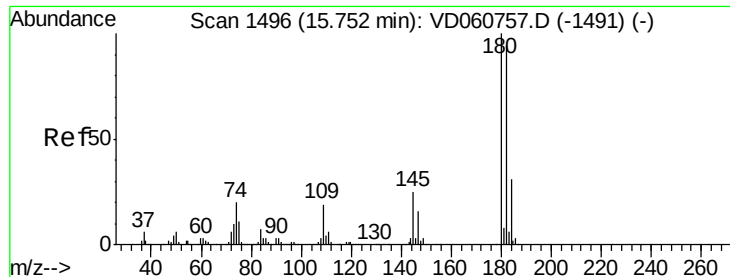


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

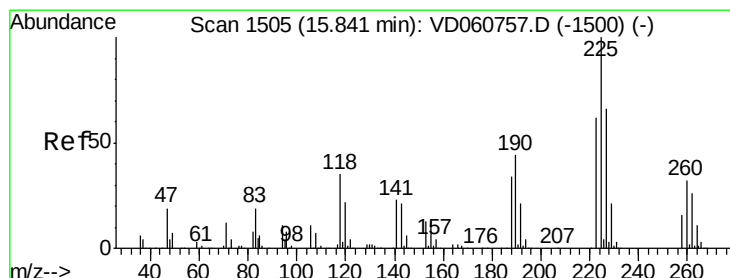
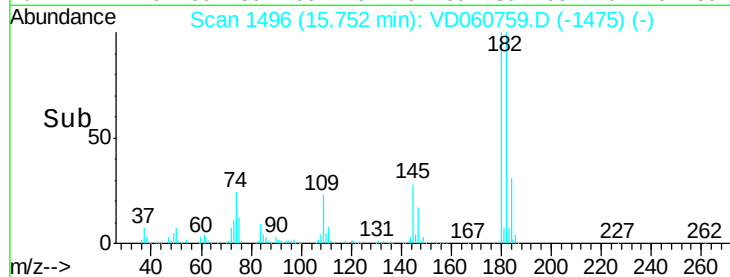
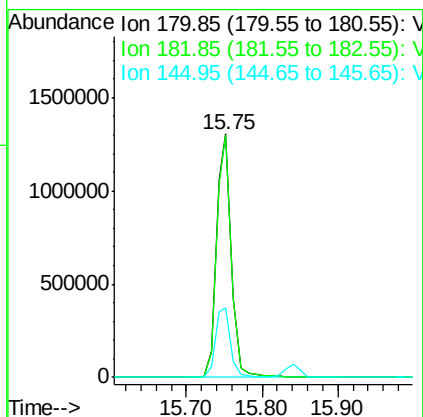
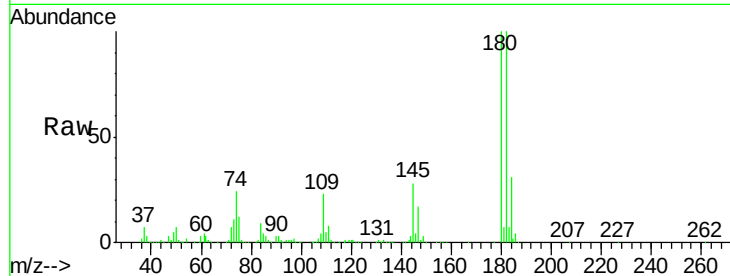




#93
 1,2,4-Trichlorobenzene
 Concen: 101.108 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

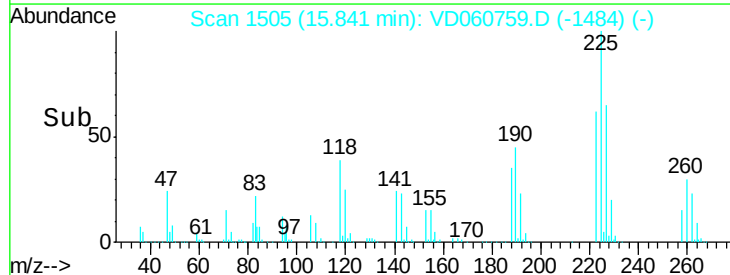
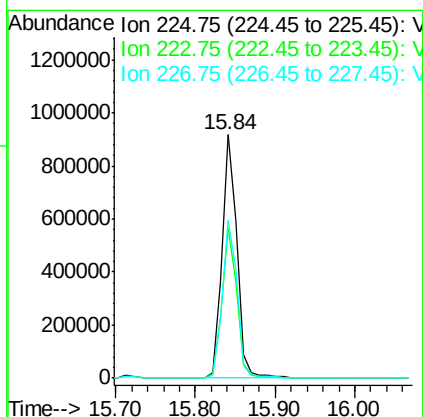
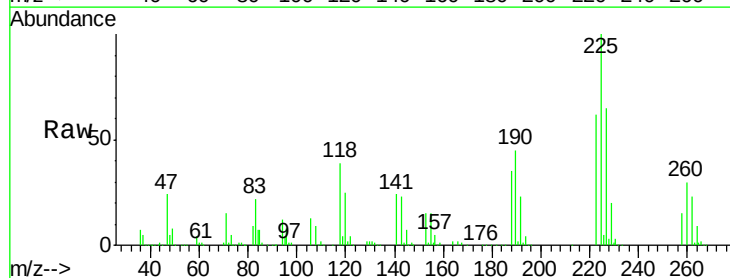
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

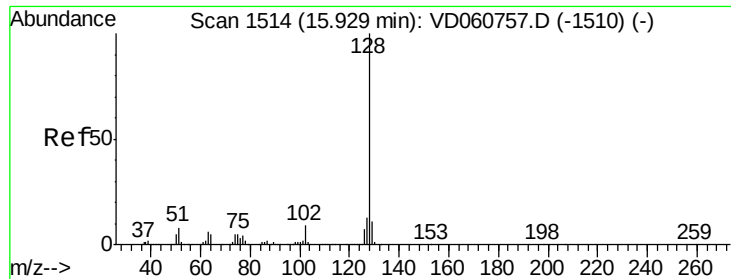
Tot Ion:180 Resp: 1818117
 Ion Ratio Lower Upper
 180 100
 182 99.6 48.8 146.4
 145 28.4 11.8 35.3



#94
 Hexachlorobutadiene
 Concen: 91.754 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060759.D
 Acq: 18 Jan 2019 13:20

Tgt Ion:225 Resp: 1219543
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.8
 227 64.6 32.5 97.4

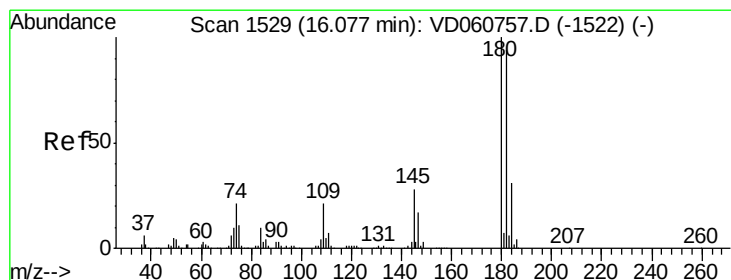
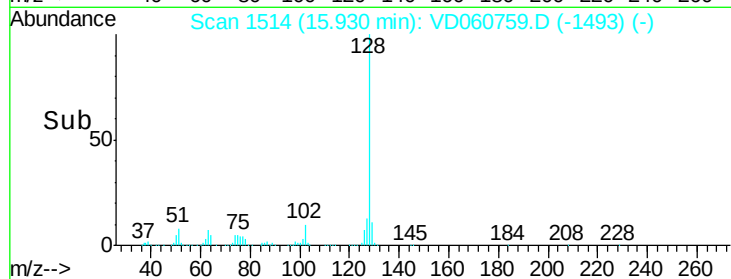
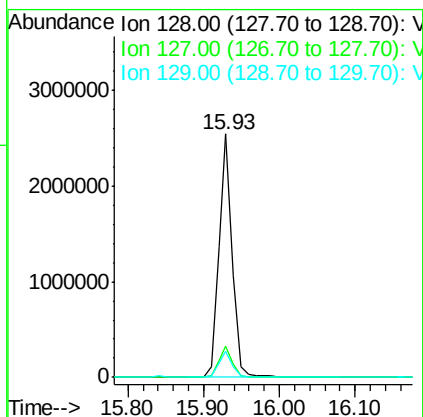
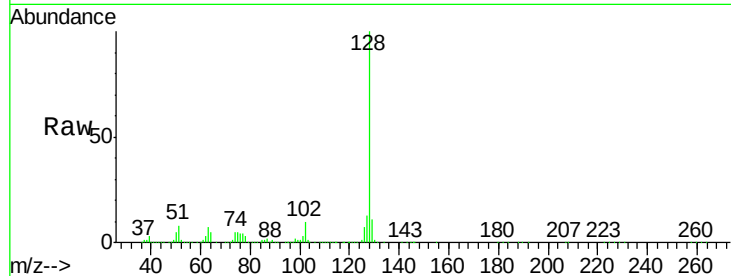




#95
Naphthalene
Concen: 148.104 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 3165285
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 114.734 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.01 min
Lab File: VD060759.D
Acq: 18 Jan 2019 13:20

Tgt Ion:180 Resp: 1612803
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.9
145 29.9 12.6 37.8

