

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060757.D
 Acq On : 18 Jan 2019 12:23
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jan 19 02:43:09 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	1441364	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.98	114	2031088	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1608328	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	801725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	822394	82.56	ug/l	0.01
Spiked Amount			Recovery	=	165.12%	
35) Dibromofluoromethane	6.68	113	860634	57.89	ug/l	0.01
Spiked Amount			Recovery	=	115.78%	
50) Toluene-d8	10.18	98	2144778	48.35	ug/l	0.01
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	13.35	95	959984	61.80	ug/l	0.01
Spiked Amount			Recovery	=	123.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	848583	46.076	ug/l	96
3) Chloromethane	1.75	50	466912	27.547	ug/l	99
4) Vinyl Chloride	1.84	62	506130	37.611	ug/l	99
5) Bromomethane	2.14	94	125148	41.517	ug/l	100
6) Chloroethane	2.25	64	142884	35.579	ug/l	90
7) Trichlorofluoromethane	2.48	101	841272	56.205	ug/l	100
8) Diethyl Ether	2.80	74	117709	47.004	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.06	101	419361	43.193	ug/l #	84
10) Methyl Iodide	3.21	142	509657	49.948	ug/l #	75
11) Tert butyl alcohol	3.92	59	252649	606.912	ug/l	99
12) 1,1-Dichloroethene	3.04	96	282296	35.386	ug/l #	63
13) Acrolein	2.95	56	94515	222.800	ug/l	85
14) Allyl chloride	3.50	41	631240	43.123	ug/l #	77
15) Acrylonitrile	4.04	53	701790	290.379	ug/l	100
16) Acetone	3.12	43	581514	334.295	ug/l #	88
17) Carbon Disulfide	3.28	76	1093755	42.930	ug/l	100
18) Methyl Acetate	3.52	43	218493	50.681	ug/l	94
19) Methyl tert-butyl Ether	4.08	73	1579316	78.031	ug/l	97
20) Methylene Chloride	3.68	84	736687	40.779	ug/l	99
21) trans-1,2-Dichloroethene	4.05	96	682827	41.795	ug/l #	80
22) Diisopropyl ether	4.88	45	2461330	49.522	ug/l	89
23) Vinyl Acetate	4.82	43	6794550	282.569	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1512526	57.857	ug/l	98
25) 2-Butanone	5.83	43	1064185	319.700	ug/l	96
26) 2,2-Dichloropropane	5.79	77	1279311	61.995	ug/l	88
27) cis-1,2-Dichloroethene	5.80	96	726071	43.779	ug/l	74
28) Bromochloromethane	6.19	49	520550	47.134	ug/l	89
29) Tetrahydrofuran	6.22	42	550531	291.743	ug/l #	86
30) Chloroform	6.42	83	1545061	58.735	ug/l	96
31) Cyclohexane	6.72	56	1248477	49.625	ug/l	97
32) 1,1,1-Trichloroethane	6.63	97	1393455	64.028	ug/l	95
36) 1,1-Dichloropropene	6.90	75	1097096	52.456	ug/l	94
37) Ethyl Acetate	5.94	43	568786	65.026	ug/l #	96
38) Carbon Tetrachloride	6.87	117	1189383	64.461	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	1166596	48.907	ug/l #	87
40) Benzene	7.22	78	2486430	46.025	ug/l	99
41) Methacrylonitrile	6.20	41	347958m	71.917	ug/l	
42) 1,2-Dichloroethane	7.34	62	1080351	80.584	ug/l	92
43) Isopropyl Acetate	9.00	43	804526	71.673	ug/l #	95
44) Trichloroethene	8.30	130	824232	51.547	ug/l	96
45) 1,2-Dichloropropane	8.70	63	669640	50.544	ug/l	98
46) Dibromomethane	8.83	93	486492	64.338	ug/l	93
47) Bromodichloromethane	9.14	83	1179586	65.864	ug/l	100
48) Methyl methacrylate	8.88	41	497902	73.032	ug/l #	91
49) 1,4-Dioxane	8.85	88	89787	1416.433	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	2366684	344.135	ug/l	91
52) Toluene	10.29	92	1456434	43.004	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	1126351	75.384	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	1236381	63.220	ug/l	91
55) 1,1,2-Trichloroethane	10.97	97	509757	55.942	ug/l	98
56) Ethyl methacrylate	10.82	69	661499	78.157	ug/l	93
57) 1,3-Dichloropropane	11.18	76	865653	59.934	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.63	63	1356847	272.075	ug/l	96
59) 2-Hexanone	11.32	43	1787673	371.366	ug/l	91
60) Dibromochloromethane	11.47	129	761494	65.607	ug/l	99
61) 1,2-Dibromoethane	11.59	107	588004	62.212	ug/l	97
64) Tetrachloroethene	11.04	164	713656	48.957	ug/l	94
65) Chlorobenzene	12.19	112	1744579	49.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	678355	59.374	ug/l	88
67) Ethyl Benzene	12.32	91	2855394	46.921	ug/l	96
68) m/p-Xylenes	12.46	106	1878224	84.454	ug/l	80
69) o-Xylene	12.85	106	1020659	48.374	ug/l	84
70) Styrene	12.87	104	1672099	49.205	ug/l #	88
71) Bromoform	13.04	173	533595	70.753	ug/l #	95
73) Isopropylbenzene	13.20	105	2646052	46.355	ug/l	96
74) N-amyl acetate	13.06	43	1033649	76.726	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.50	83	620779	67.094	ug/l	97
76) 1,2,3-Trichloropropane	13.53	75	704443	77.178	ug/l	99
77) Bromobenzene	13.47	156	797384	52.911	ug/l	91
78) n-propylbenzene	13.58	91	3741084	51.265	ug/l	99
79) 2-Chlorotoluene	13.64	91	2165613	55.406	ug/l	91
80) 1,3,5-Trimethylbenzene	14.04	105	2588174	58.718	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.27	75	197559	78.330	ug/l	87
82) 4-Chlorotoluene	13.74	91	2205577	49.785	ug/l	95
83) tert-Butylbenzene	13.99	119	2703251	53.889	ug/l	84
84) 1,2,4-Trimethylbenzene	14.04	105	2588174	57.012	ug/l	96
85) sec-Butylbenzene	14.17	105	3122096	51.035	ug/l	98
86) p-Isopropyltoluene	14.30	119	2685228	54.377	ug/l	94
87) 1,3-Dichlorobenzene	14.26	146	1443422	52.175	ug/l	92
88) 1,4-Dichlorobenzene	14.33	146	1339995	49.154	ug/l	93
89) n-Butylbenzene	14.60	91	2326816	46.109	ug/l	98
90) Hexachloroethane	14.81	117	674342	55.586	ug/l	85
91) 1,2-Dichlorobenzene	14.61	146	1077147	48.538	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.18	75	112113	103.143	ug/l	92

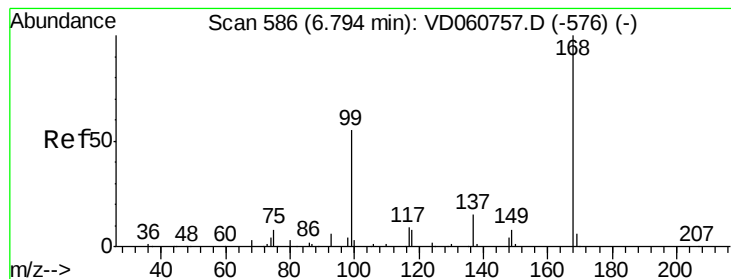
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1036500	58.696	ug/l	96
94) Hexachlorobutadiene	15.84	225	697841	53.464	ug/l	99
95) Naphthalene	15.93	128	1664920	79.328	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	886183	64.197	ug/l	96

(#) = 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: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

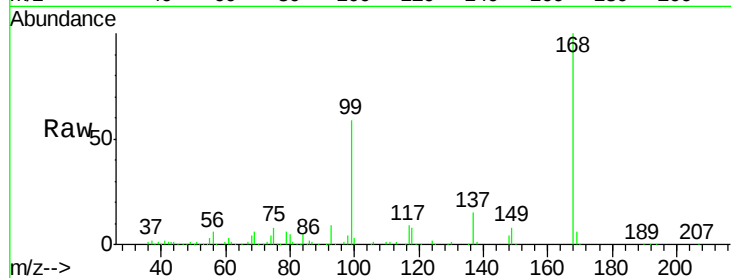
VSTDICCC050

Tot Ion:168 Resp: 1441364

Ion Ratio Lower Upper

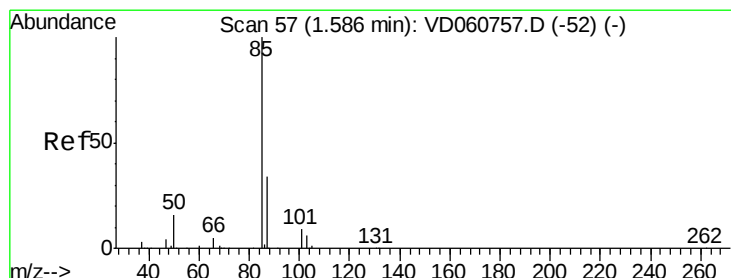
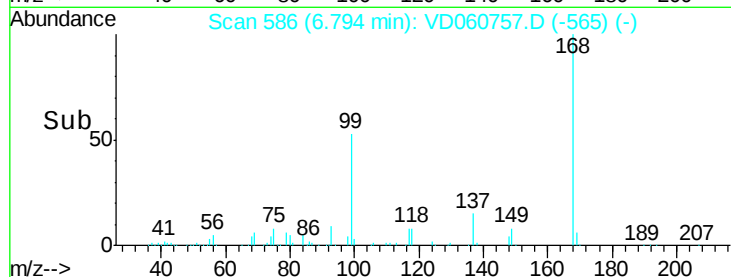
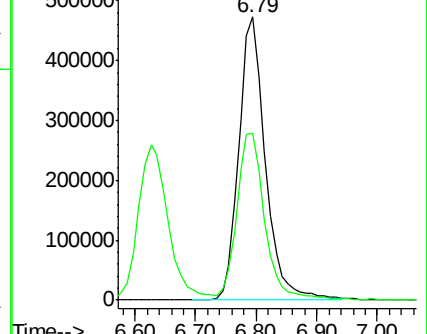
168 100

99 58.9 38.7 58.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.076 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060757.D

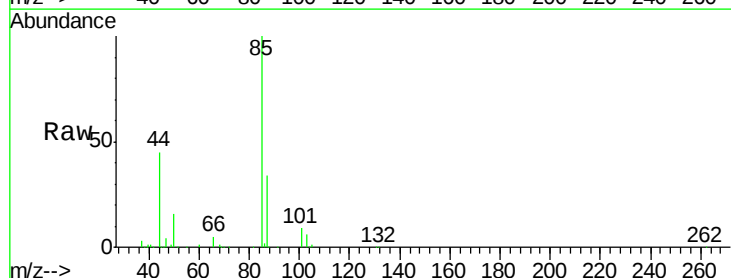
Acq: 18 Jan 2019 12:23

Tgt Ion: 85 Resp: 848583

Ion Ratio Lower Upper

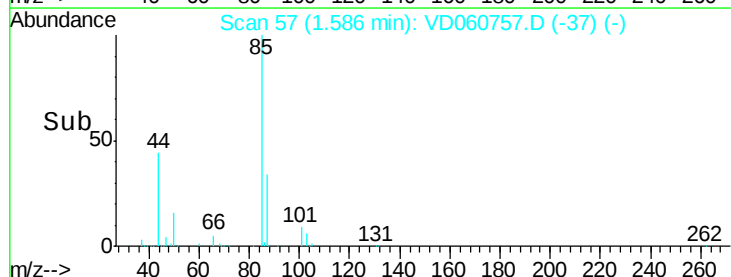
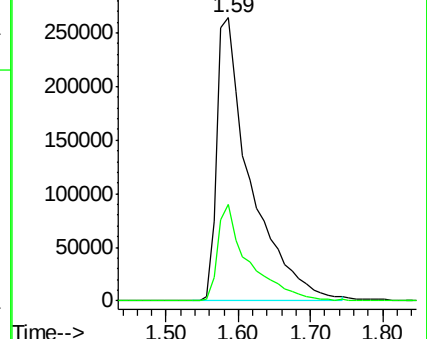
85 100

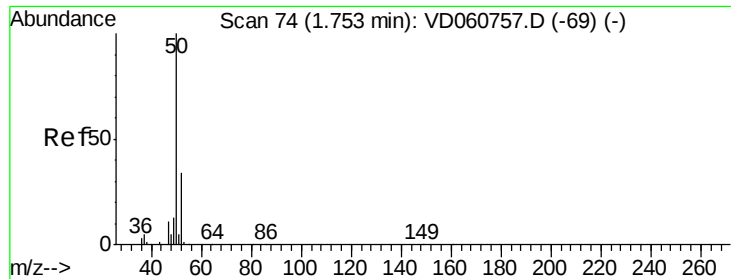
87 34.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 27.547 ug/l

RT: 1.75 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

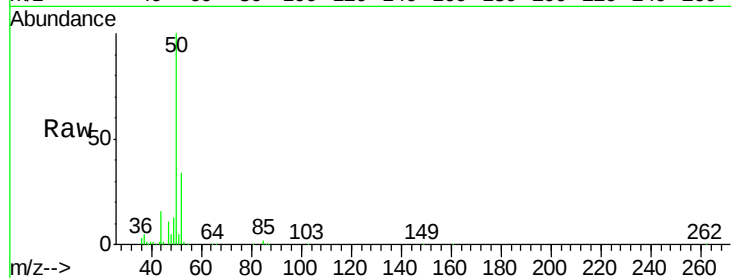
VSTDICCC050

Tot Ion: 50 Resp: 466912

Ion Ratio Lower Upper

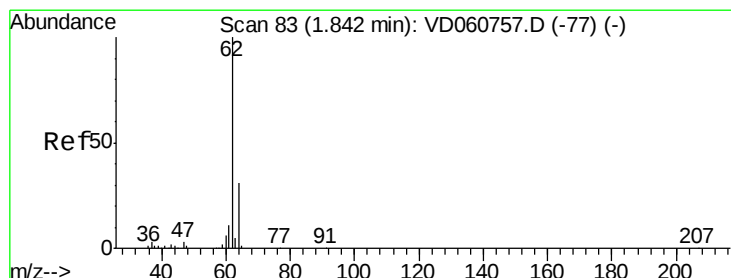
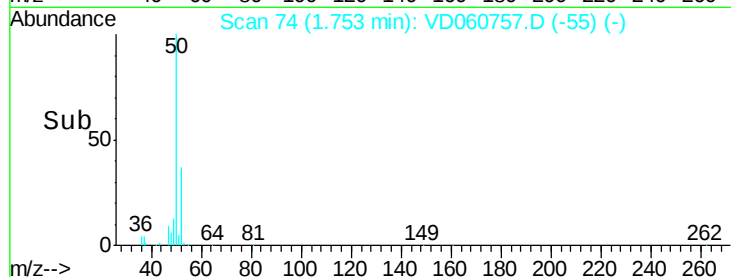
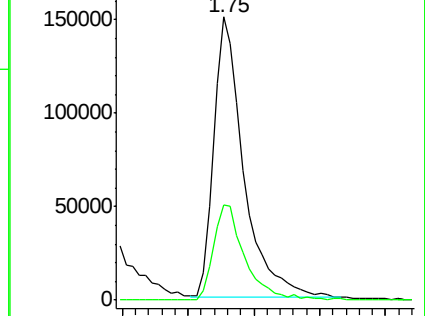
50 100

52 33.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 37.611 ug/l

RT: 1.84 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD060757.D

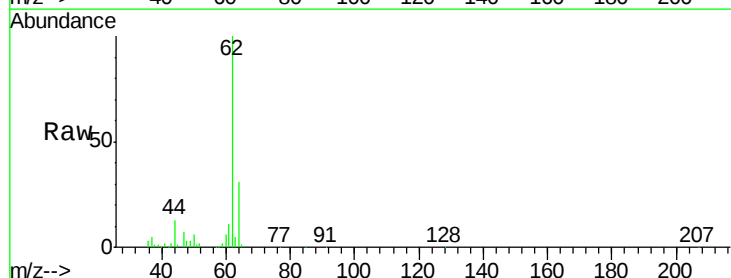
Acq: 18 Jan 2019 12:23

Tgt Ion: 62 Resp: 506130

Ion Ratio Lower Upper

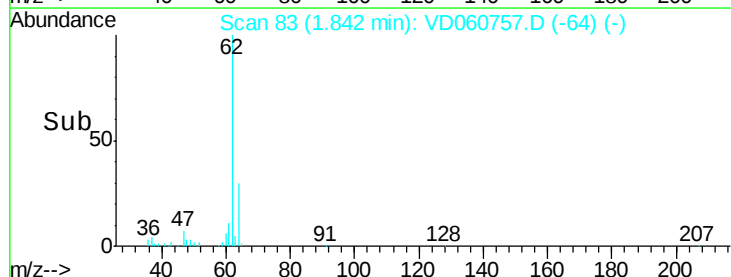
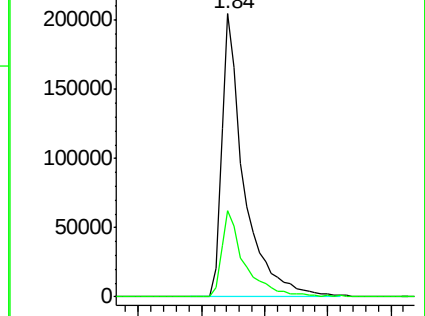
62 100

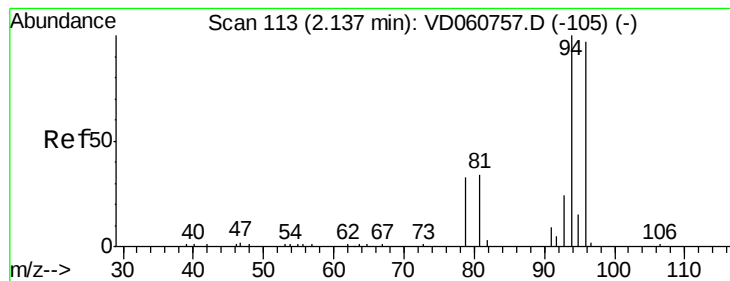
64 30.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.517 ug/l

RT: 2.14 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

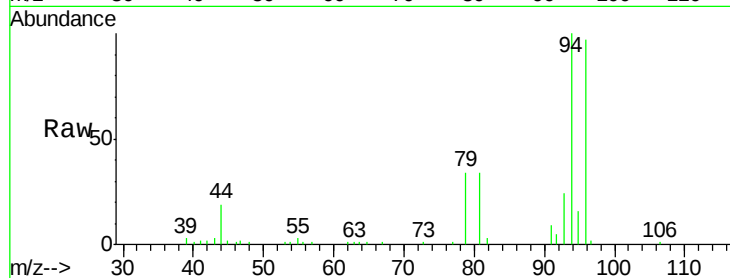
VSTDICCC050

Tot Ion: 94 Resp: 125148

Ion Ratio Lower Upper

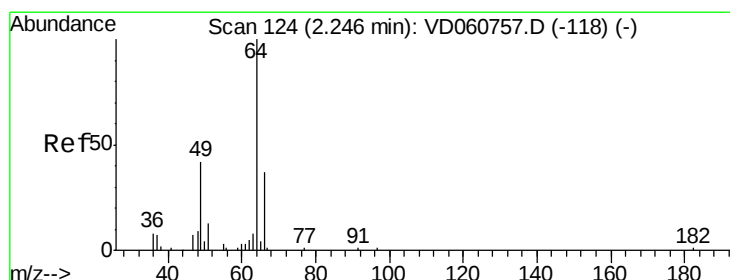
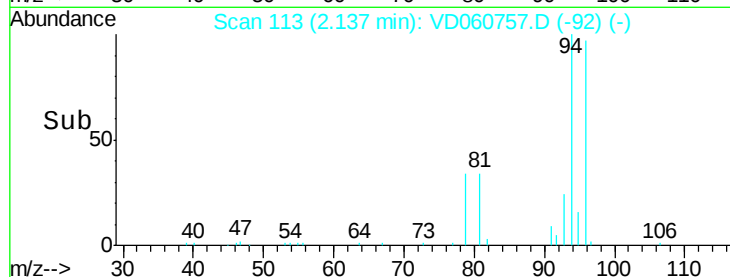
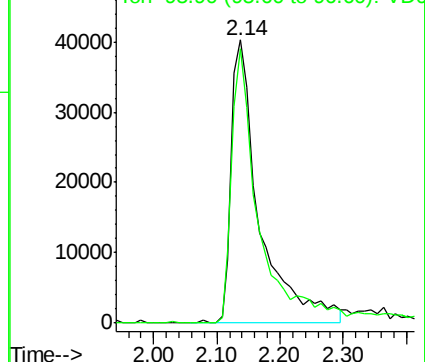
94 100

96 96.9 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: 35.579 ug/l

RT: 2.25 min Scan# 124

Delta R.T. 0.01 min

Lab File: VD060757.D

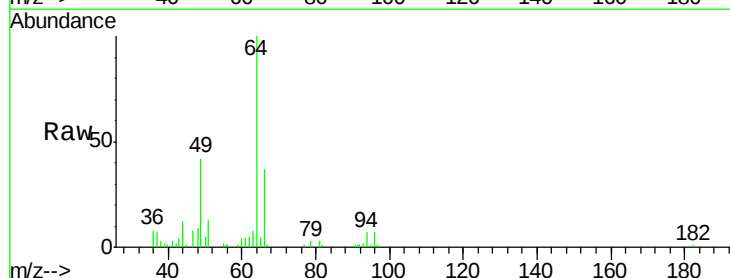
Acq: 18 Jan 2019 12:23

Tgt Ion: 64 Resp: 142884

Ion Ratio Lower Upper

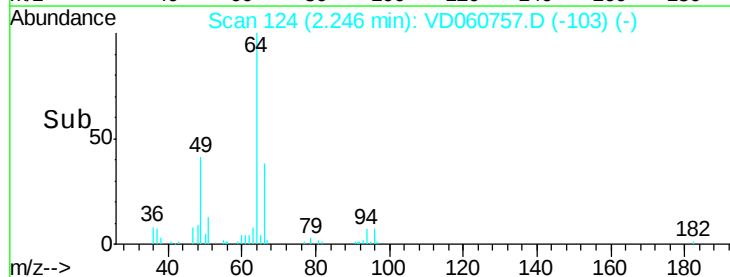
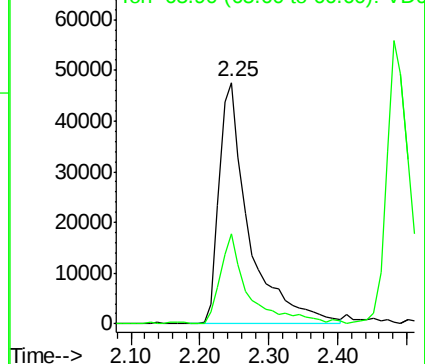
64 100

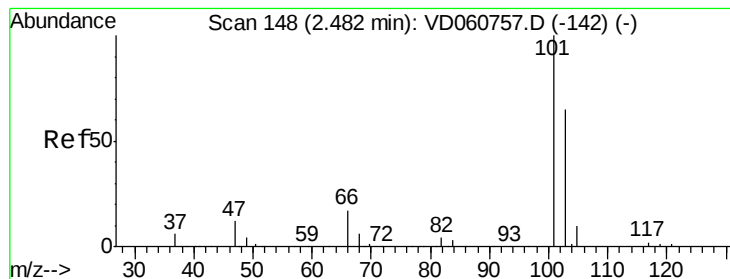
66 37.5 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



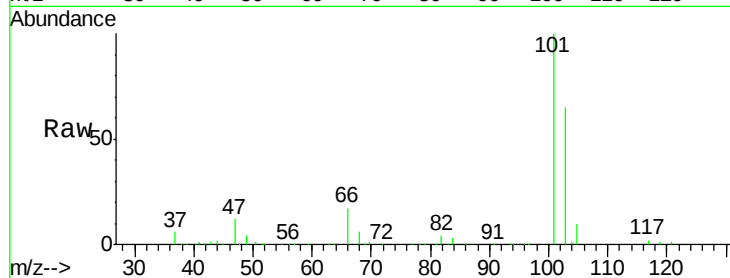


#7

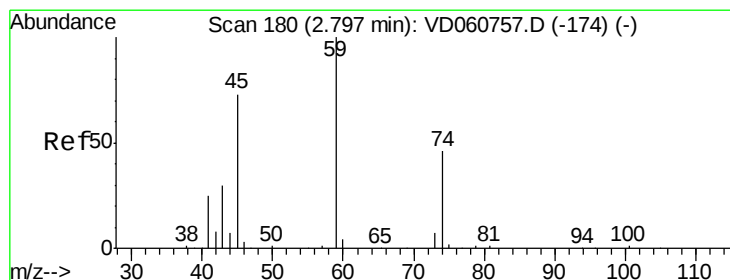
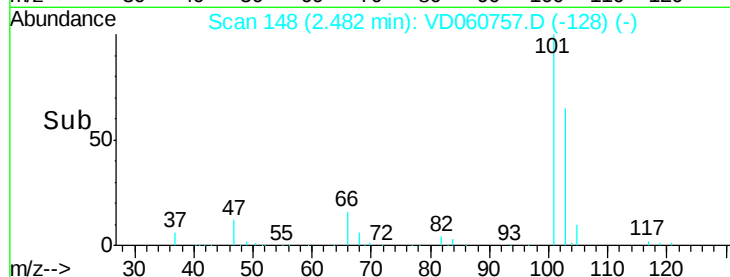
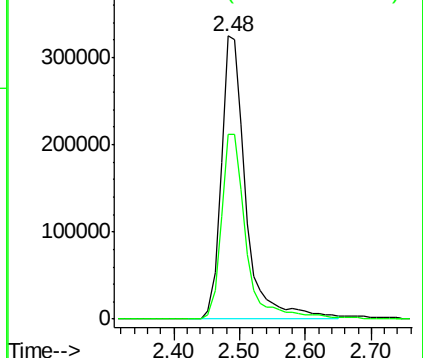
Trichlorofluoromethane
 Concen: 56.205 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 841272
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.9 77.9



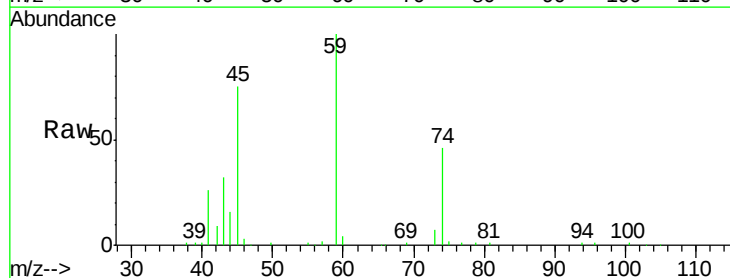
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



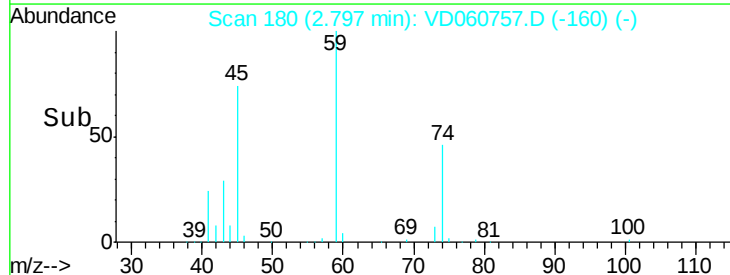
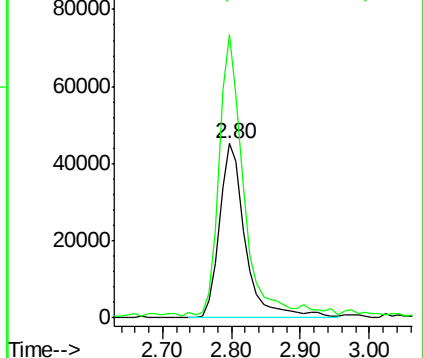
#8

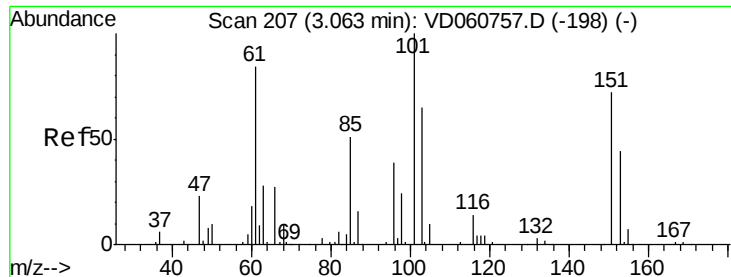
Diethyl Ether
 Concen: 47.004 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 74 Resp: 117709
 Ion Ratio Lower Upper
 74 100
 45 162.7 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: 43.193 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

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VSTDICCC050

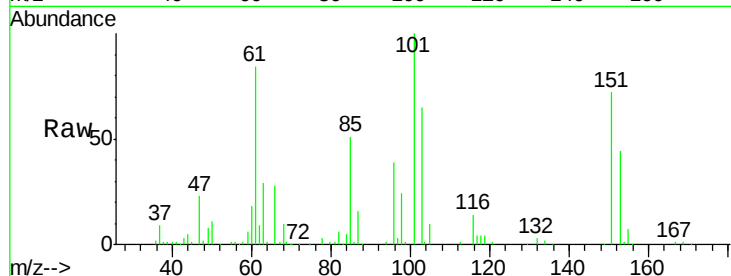
Tot Ion:101 Resp: 419361

Ion Ratio Lower Upper

101 100

85 51.1 33.4 50.0#

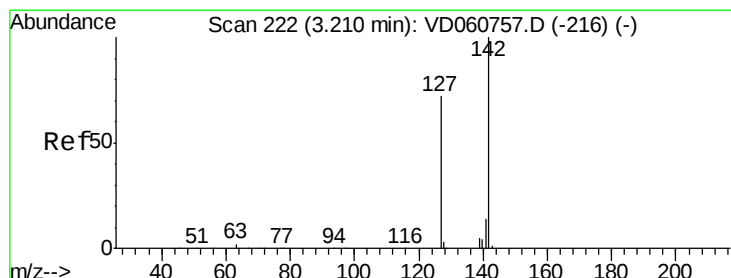
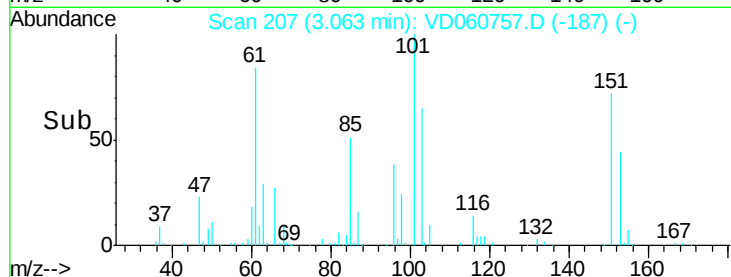
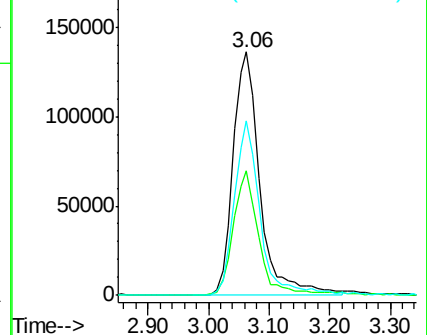
151 71.6 47.5 71.3#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.948 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

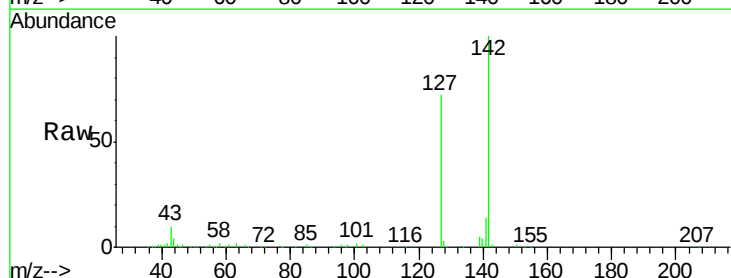
Tgt Ion:142 Resp: 509657

Ion Ratio Lower Upper

142 100

127 71.6 39.5 59.3#

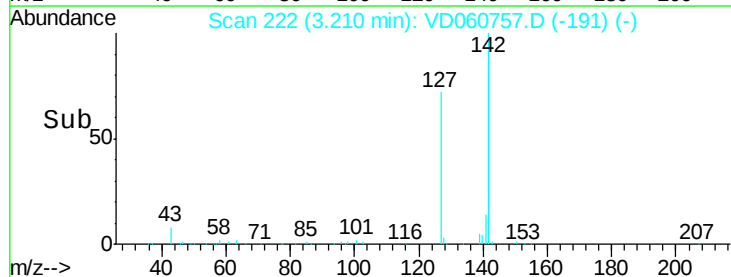
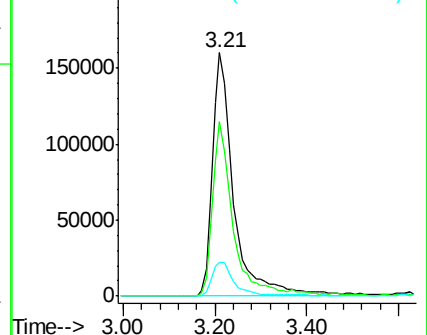
141 13.9 11.3 16.9

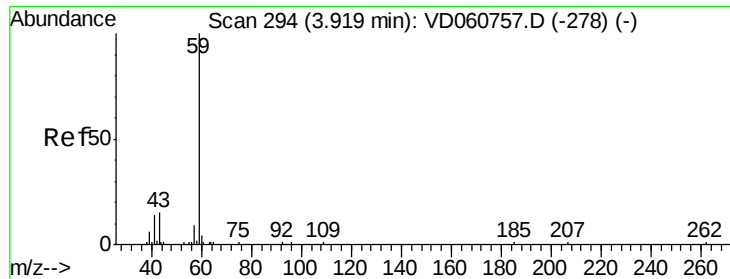


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



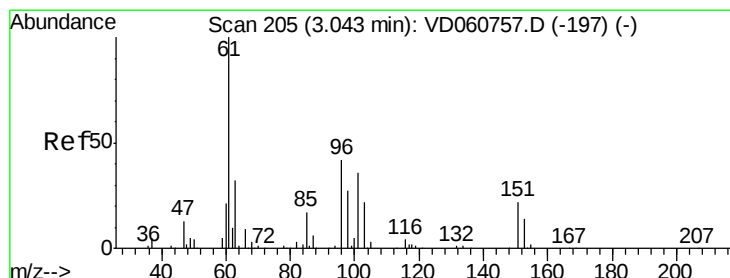
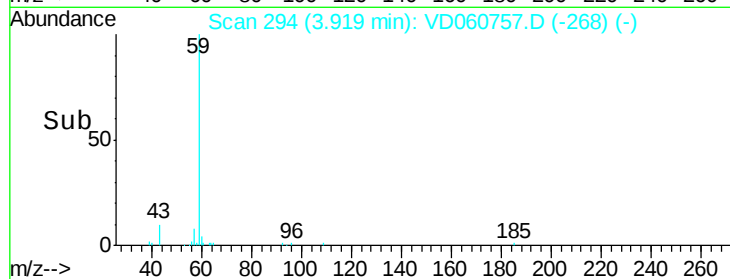
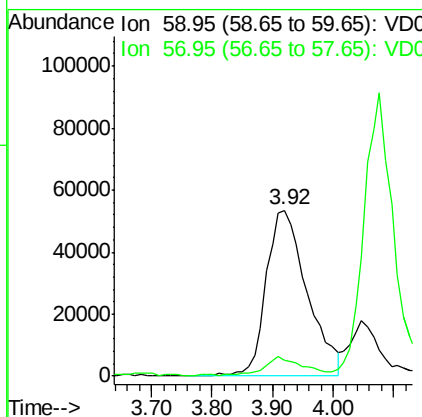
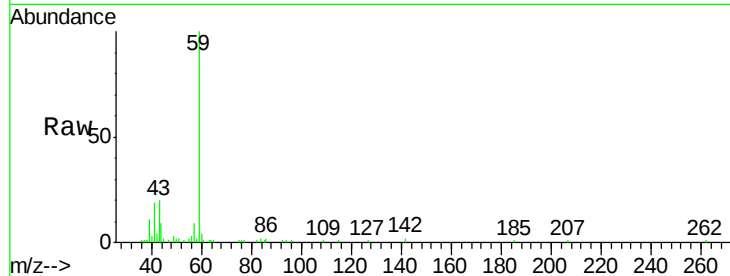


#11

Tert butyl alcohol
 Concen: 606.912 ug/l
 RT: 3.92 min Scan# 294
 Delta R.T. 0.06 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

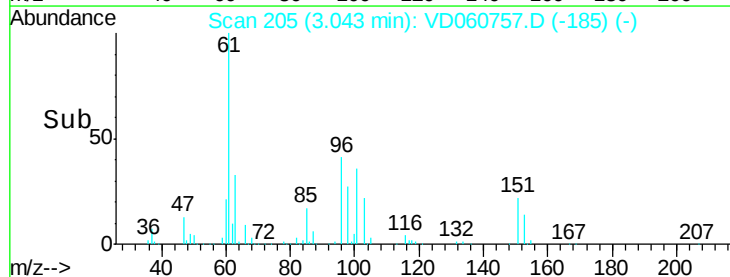
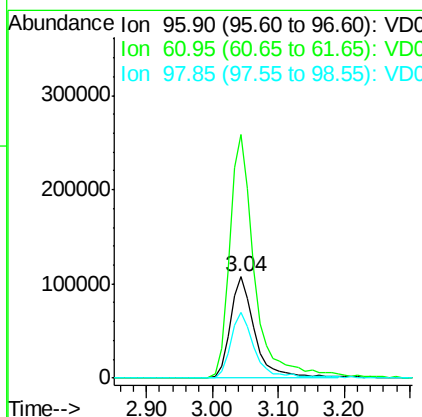
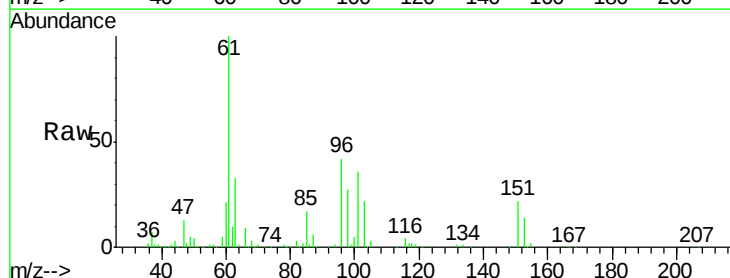
Tot Ion: 59 Resp: 252649
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.8 11.6

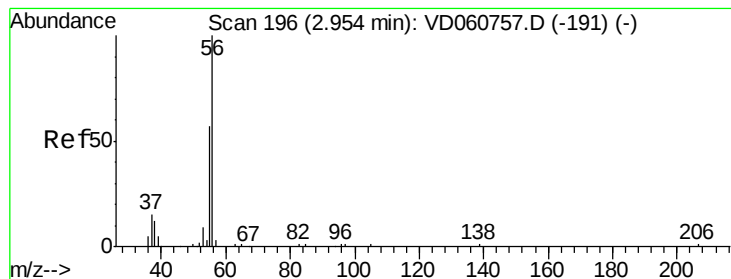


#12

1,1-Dichloroethene
 Concen: 35.386 ug/l
 RT: 3.04 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 96 Resp: 282296
 Ion Ratio Lower Upper
 96 100
 61 240.1 136.2 204.4#
 98 64.3 50.7 76.1





#13

Acrolein

Concen: 222.800 ug/l

RT: 2.95 min Scan# 196

Delta R.T. 0.00 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

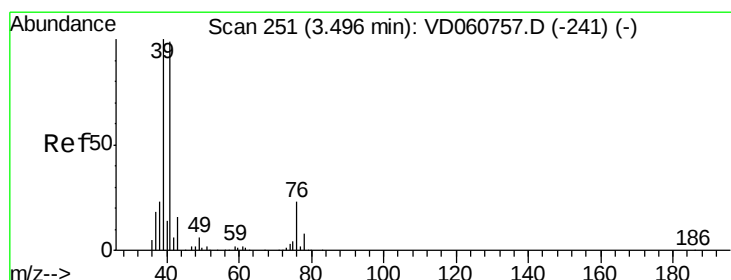
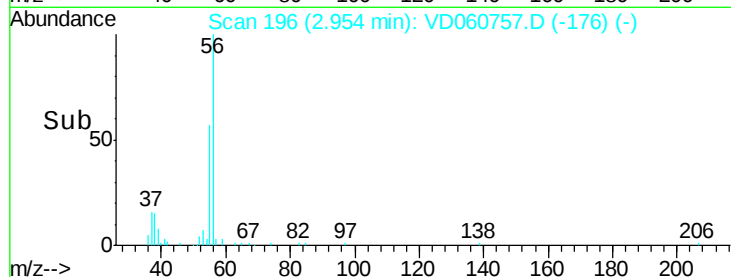
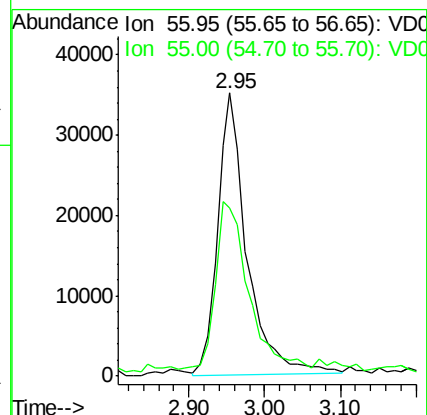
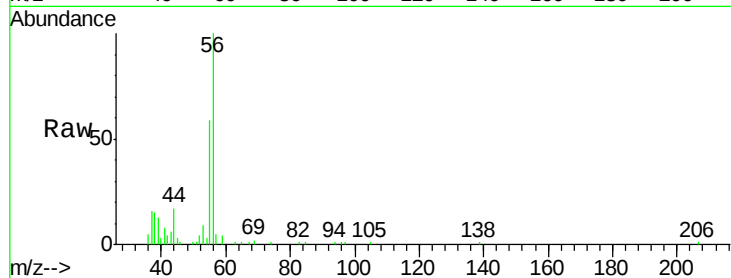
VSTDICCC050

Tot Ion: 56 Resp: 94515

Ion Ratio Lower Upper

56 100

55 59.5 57.7 86.5



#14

Allyl chloride

Concen: 43.123 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

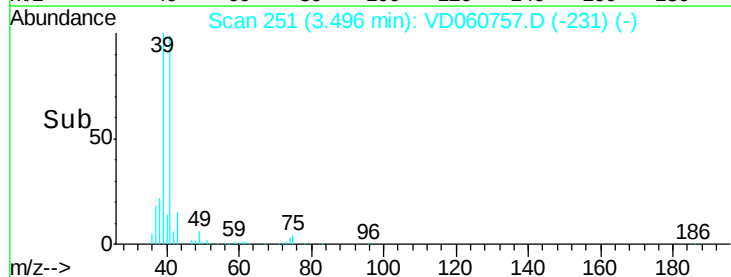
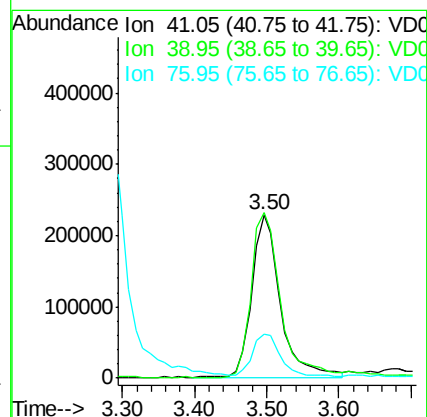
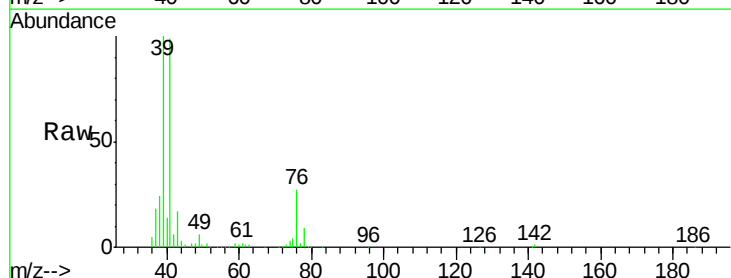
Tgt Ion: 41 Resp: 631240

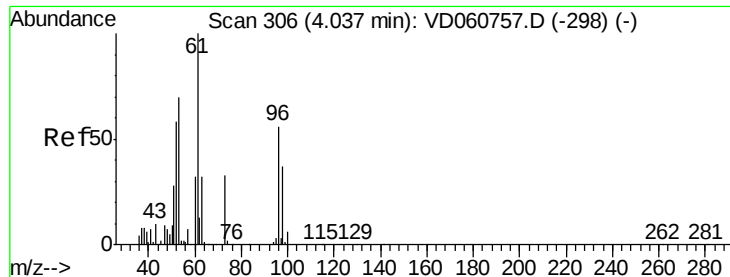
Ion Ratio Lower Upper

41 100

39 101.0 59.6 89.4#

76 27.1 21.8 32.6





#15

Acrylonitrile

Concen: 290.379 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.02 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

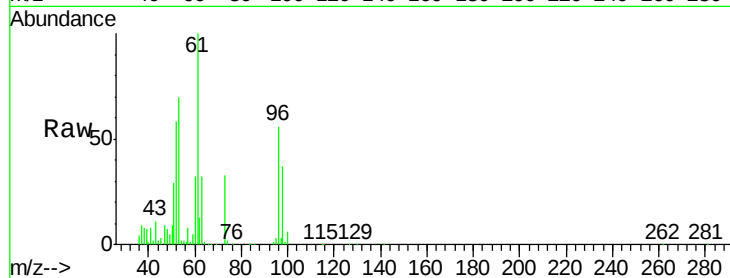
MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 701790

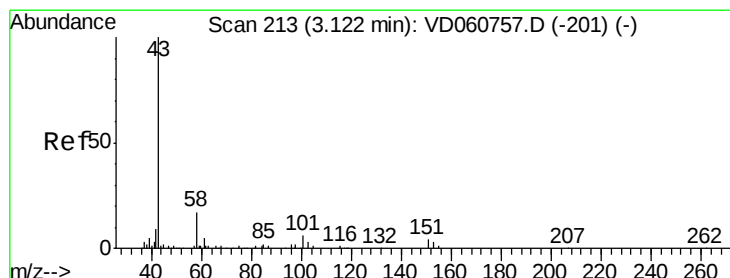
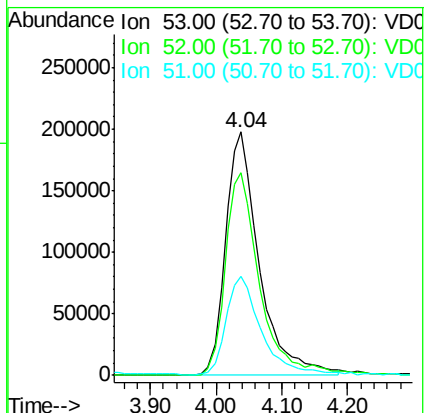
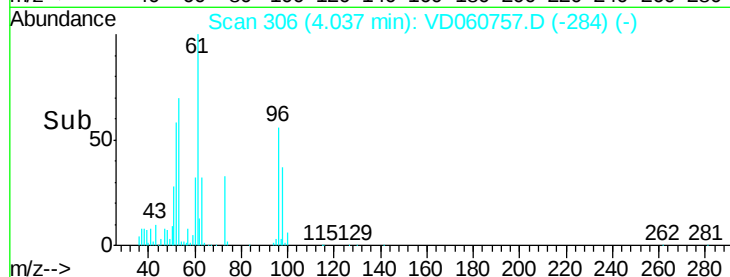
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	40.7	32.7	49.1



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: 334.295 ug/l

RT: 3.12 min Scan# 213

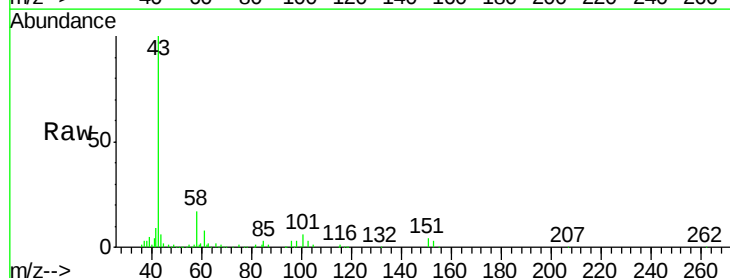
Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

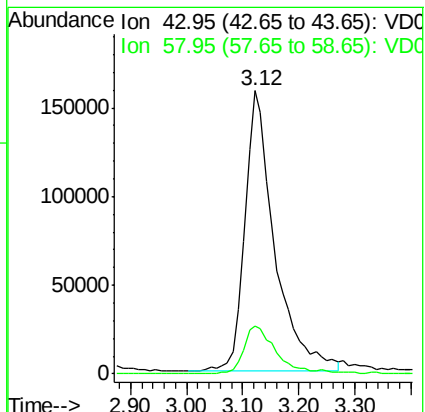
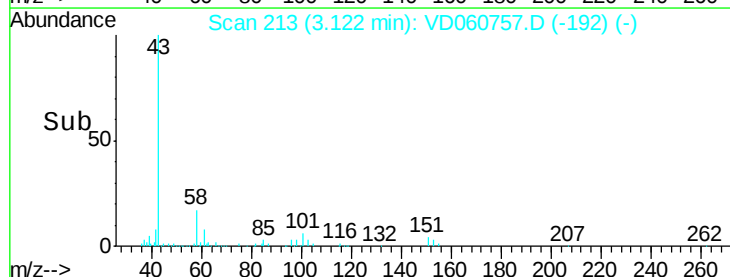
Tgt Ion: 43 Resp: 581514

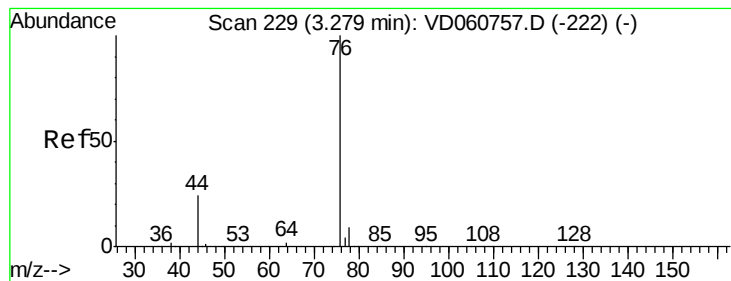
Ion	Ratio	Lower	Upper
43	100		
58	17.0	18.2	27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 42.930 ug/l

RT: 3.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

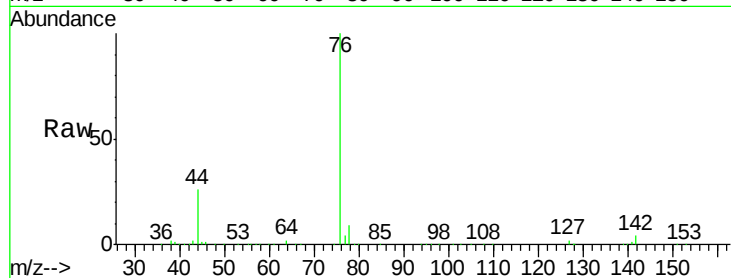
VSTDICCC050

Tot Ion: 76 Resp: 1093755

Ion Ratio Lower Upper

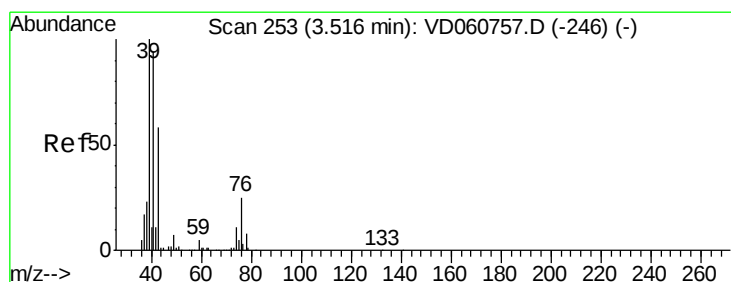
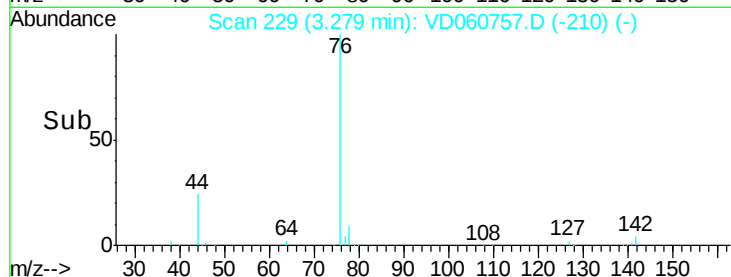
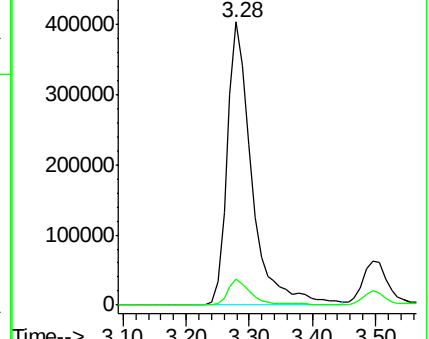
76 100

78 9.3 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: 50.681 ug/l

RT: 3.52 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060757.D

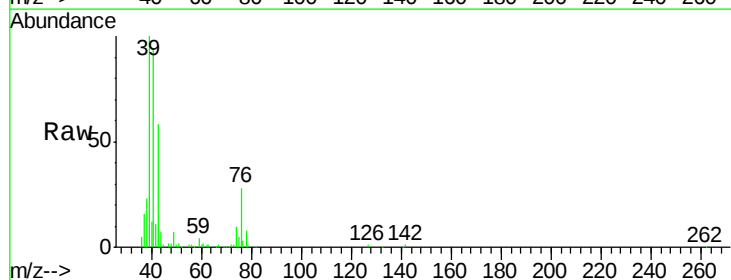
Acq: 18 Jan 2019 12:23

Tgt Ion: 43 Resp: 218493

Ion Ratio Lower Upper

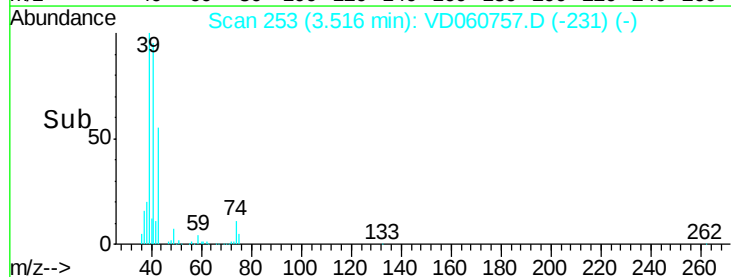
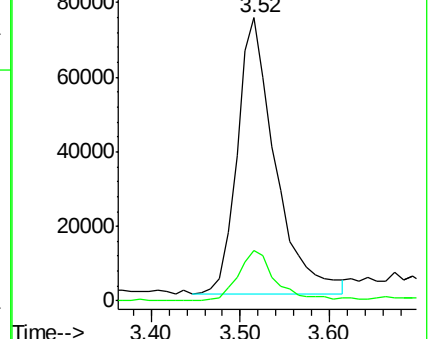
43 100

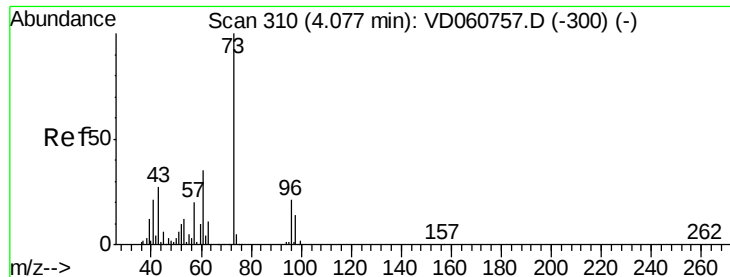
74 17.9 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



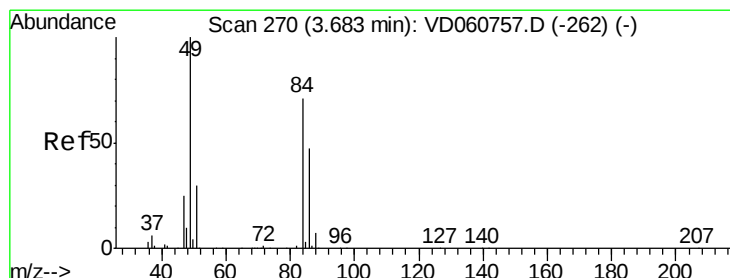
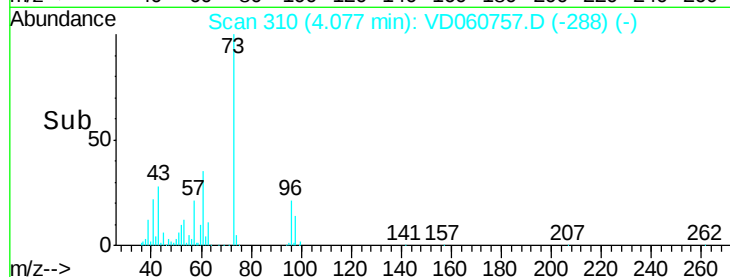
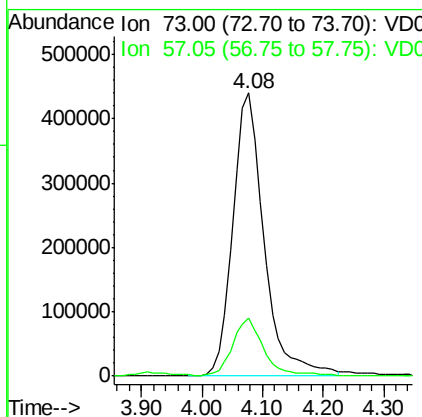
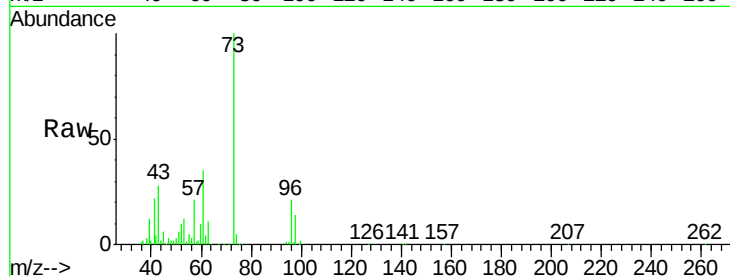


#19

Methyl tert-butyl Ether
 Concen: 78.031 ug/l
 RT: 4.08 min Scan# 310
 Delta R.T. 0.02 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

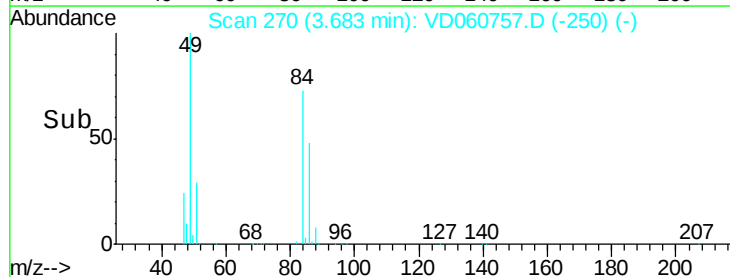
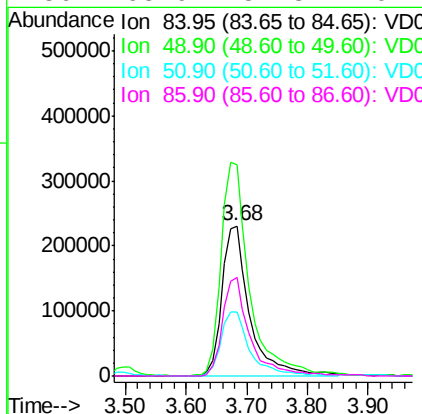
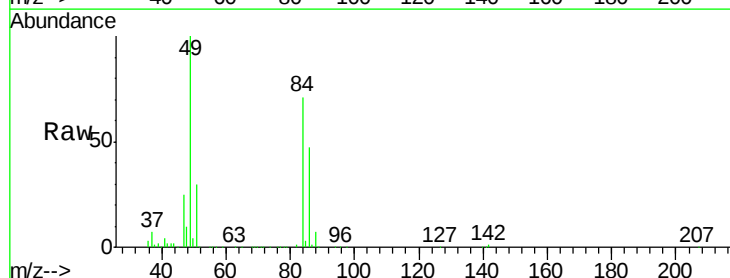
Tot Ion: 73 Resp: 1579316
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.6 26.4

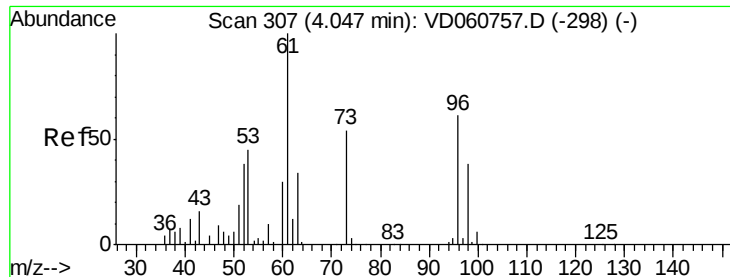


#20

Methylene Chloride
 Concen: 40.779 ug/l
 RT: 3.68 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 84 Resp: 736687
 Ion Ratio Lower Upper
 84 100
 49 141.2 113.6 170.4
 51 42.4 34.7 52.1
 86 65.9 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 41.795 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

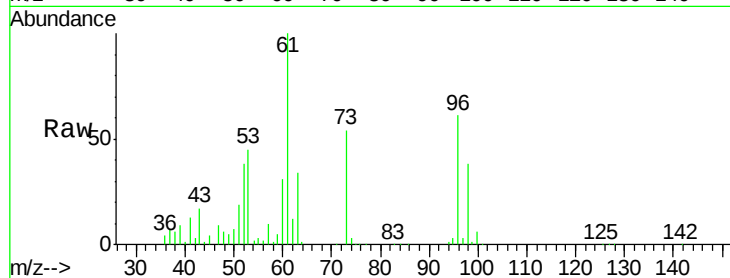
Tot Ion: 96 Resp: 682827

Ion Ratio Lower Upper

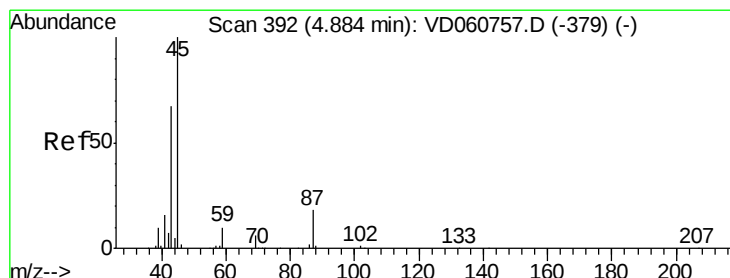
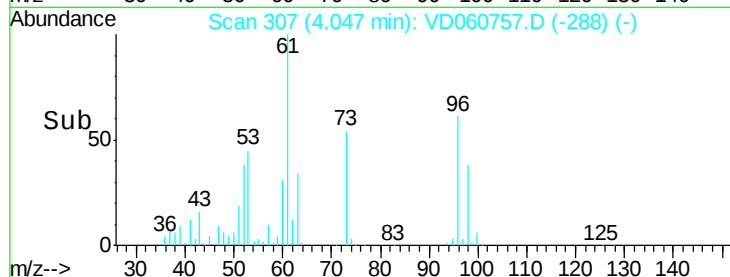
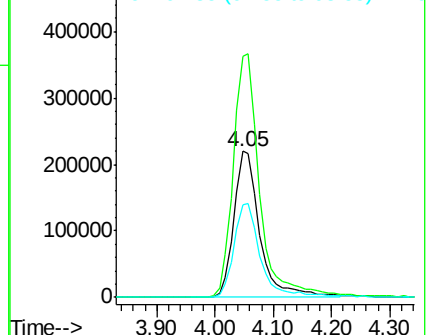
96 100

61 165.1 104.2 156.2#

98 63.2 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: 49.522 ug/l

RT: 4.88 min Scan# 392

Delta R.T. 0.03 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Tgt Ion: 45 Resp: 2461330

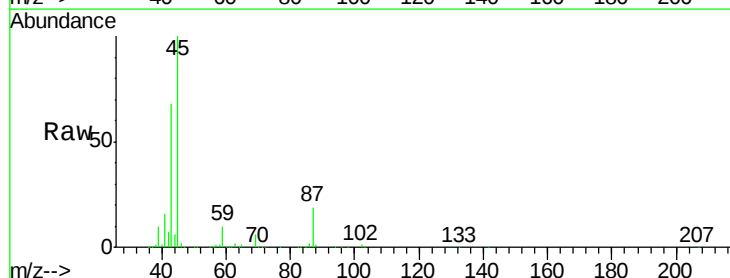
Ion Ratio Lower Upper

45 100

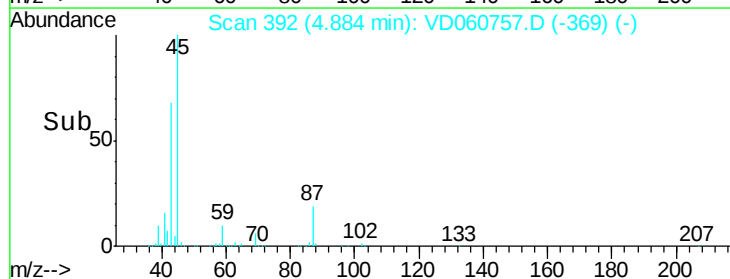
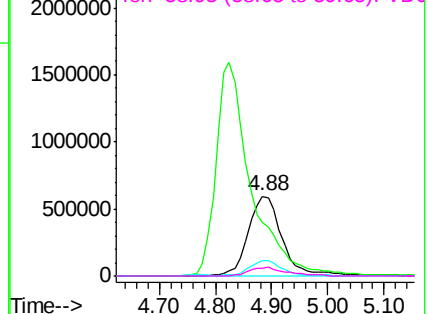
43 67.9 46.1 69.1

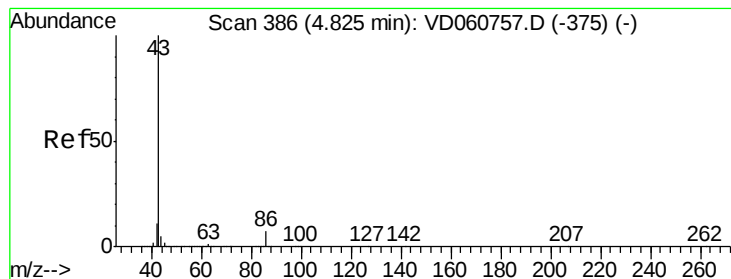
87 19.1 13.7 20.5

59 10.2 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: 282.569 ug/l

RT: 4.82 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

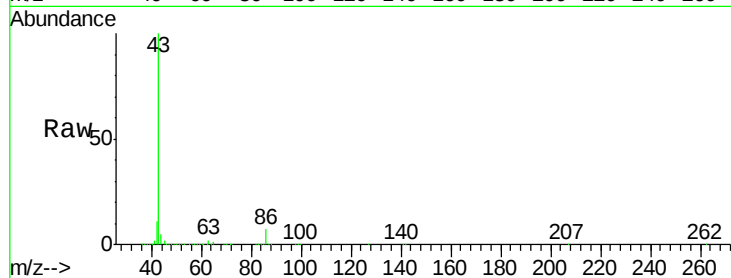
VSTDICCC050

Tot Ion: 43 Resp: 6794550

Ion Ratio Lower Upper

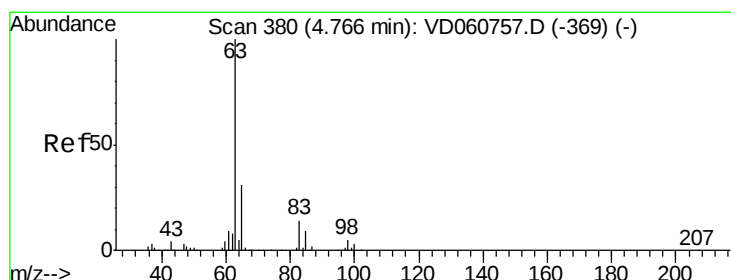
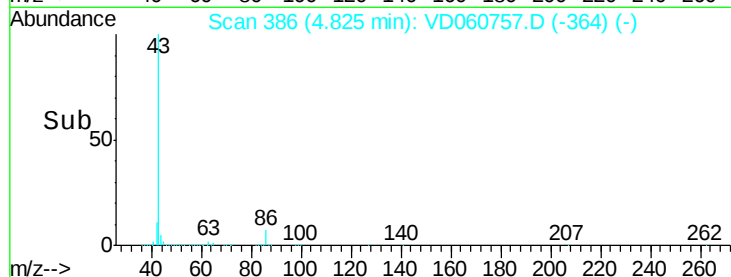
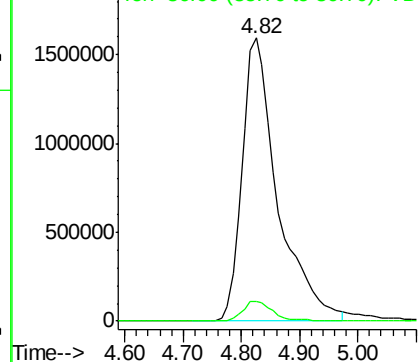
43 100

86 7.0 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: 57.857 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

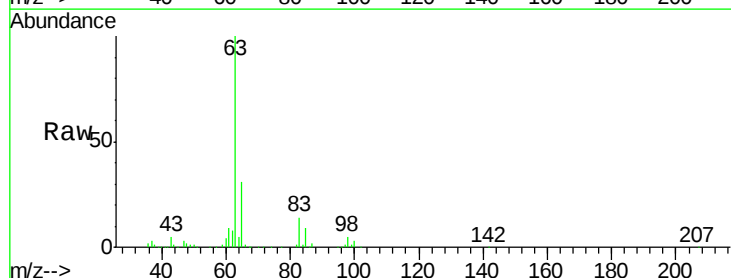
Tgt Ion: 63 Resp: 1512526

Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.7

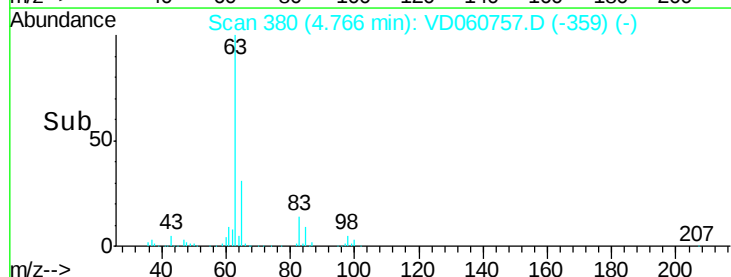
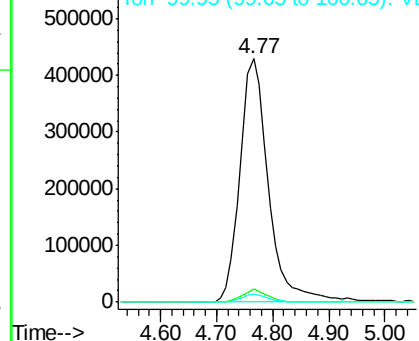
100 3.4 2.0 5.8

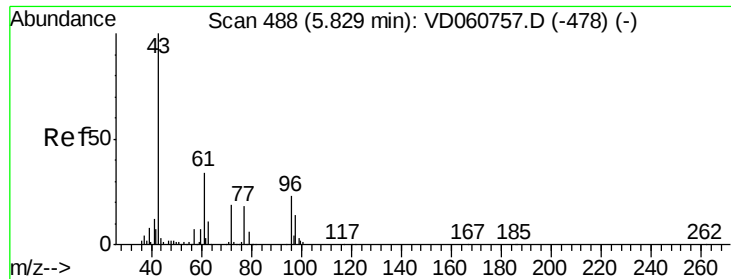


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 319.700 ug/l

RT: 5.83 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

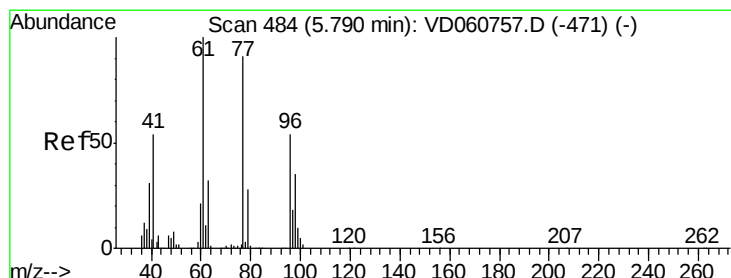
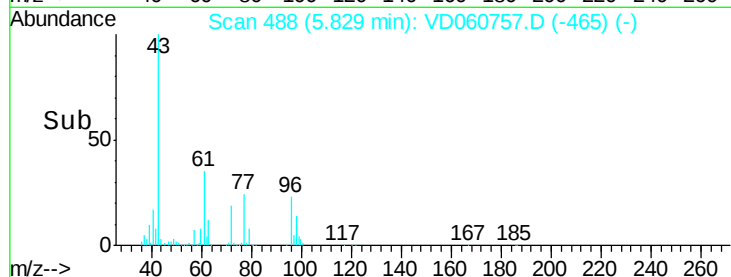
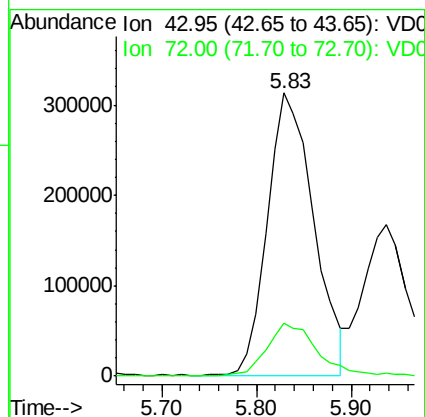
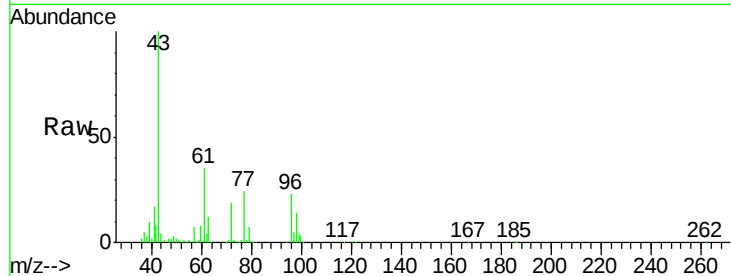
VSTDICCC050

Tot Ion: 43 Resp: 1064185

Ion Ratio Lower Upper

43 100

72 18.8 13.7 20.5



#26

2,2-Dichloropropane

Concen: 61.995 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD060757.D

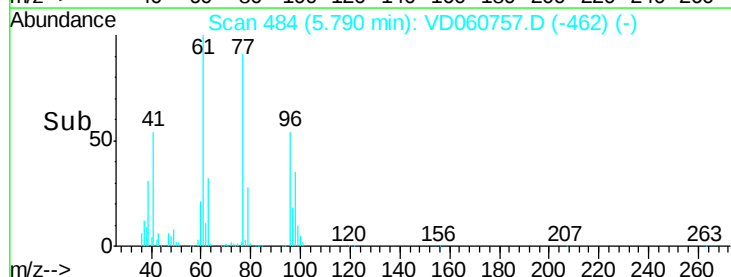
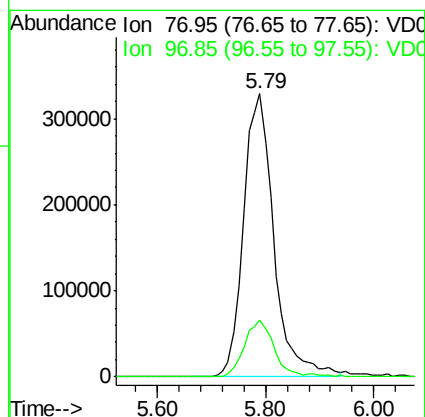
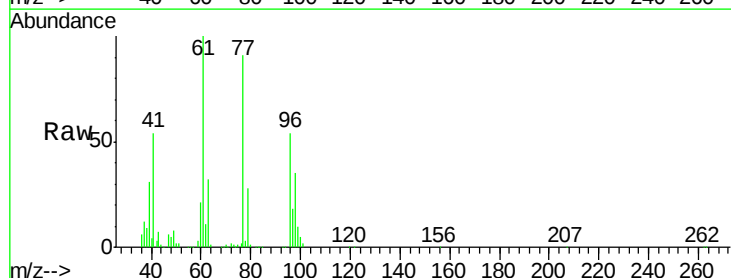
Acq: 18 Jan 2019 12:23

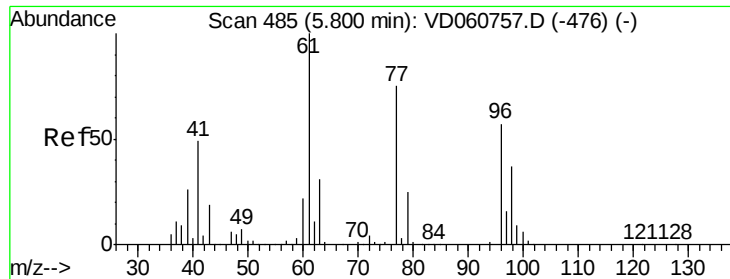
Tgt Ion: 77 Resp: 1279311

Ion Ratio Lower Upper

77 100

97 19.9 13.0 39.0



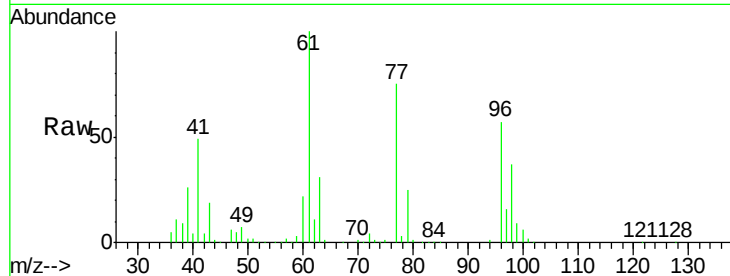


#27

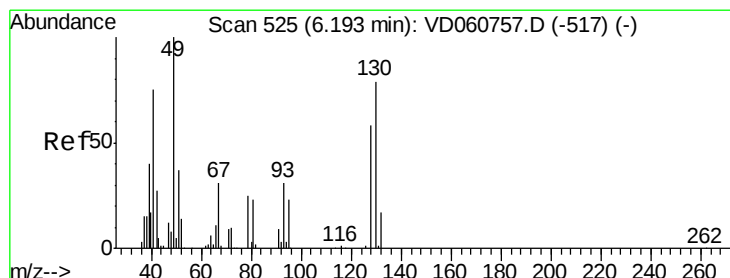
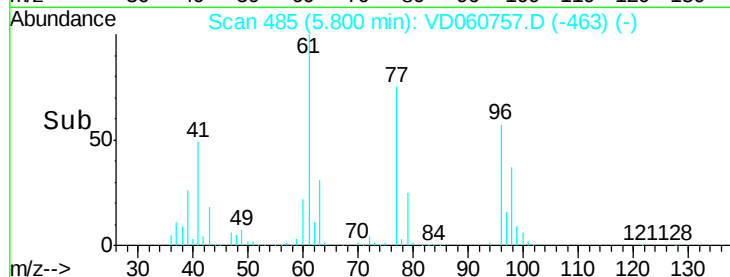
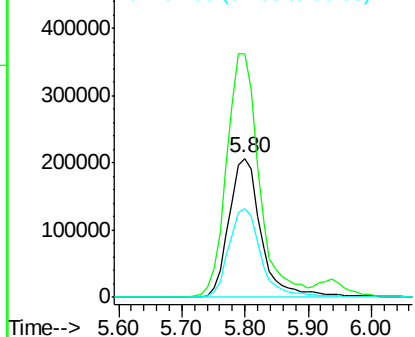
cis-1,2-Dichloroethene
Concen: 43.779 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.9	0.0	259.4
98	63.9	0.0	130.0



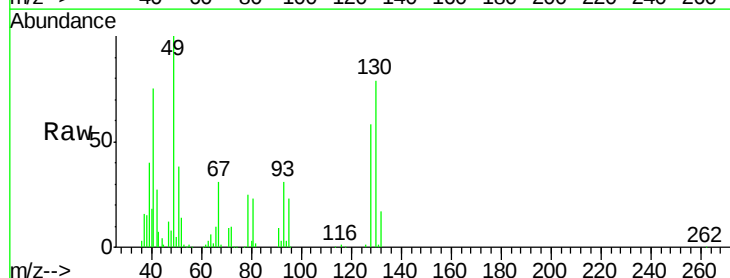
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



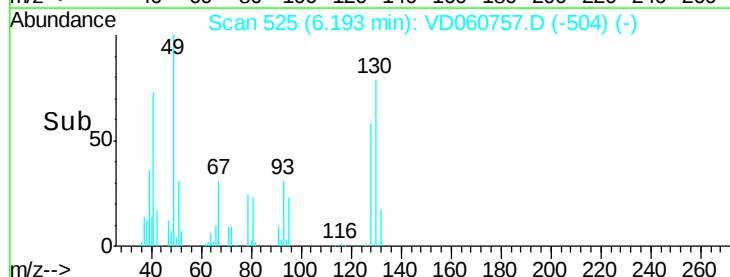
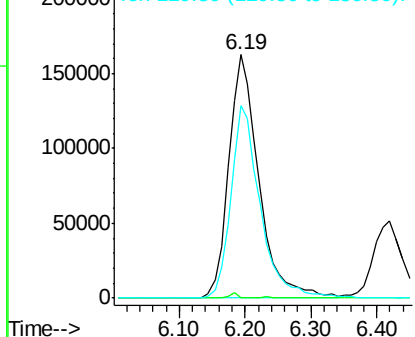
#28

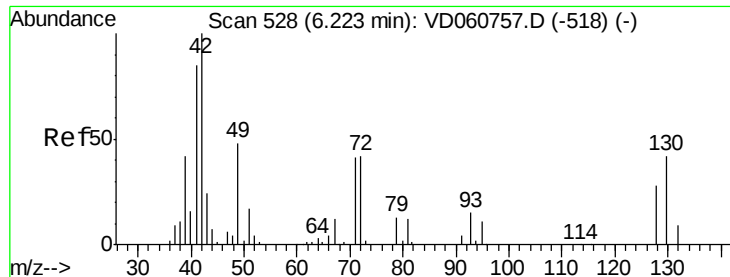
Bromochloromethane
Concen: 47.134 ug/l
RT: 6.19 min Scan# 525
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	79.0	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: 291.743 ug/l

RT: 6.22 min Scan# 528

Delta R.T. 0.03 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

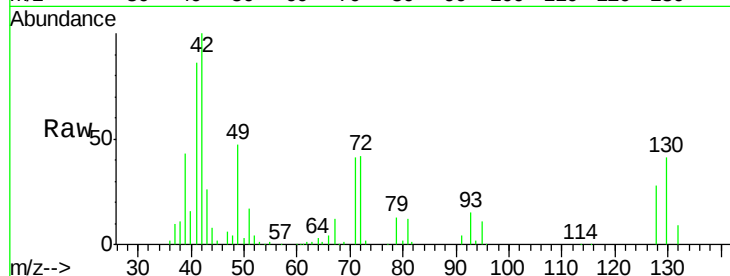
Tot Ion: 42 Resp: 550531

Ion Ratio Lower Upper

42 100

72 41.9 28.0 42.0

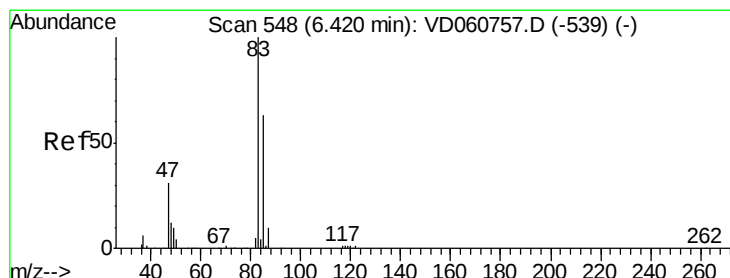
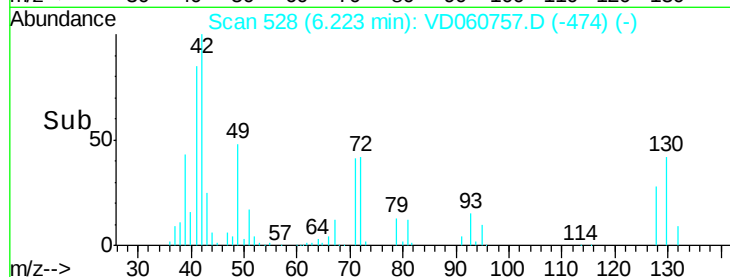
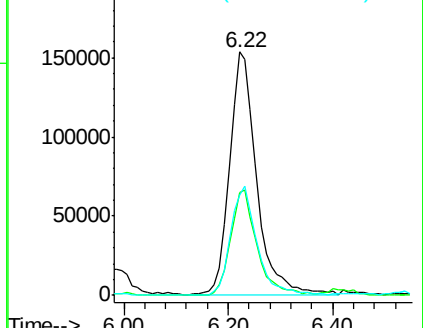
71 43.6 27.0 40.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 58.735 ug/l

RT: 6.42 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD060757.D

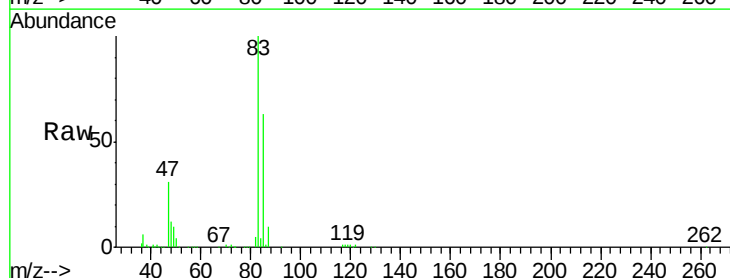
Acq: 18 Jan 2019 12:23

Tgt Ion: 83 Resp: 1545061

Ion Ratio Lower Upper

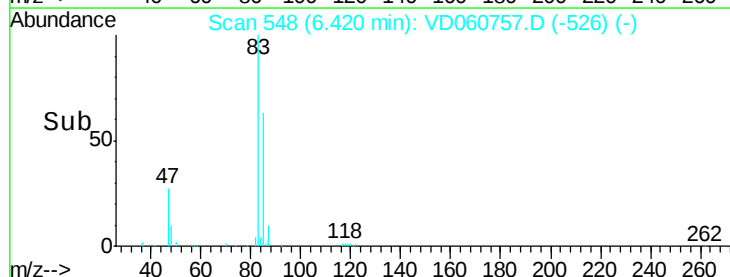
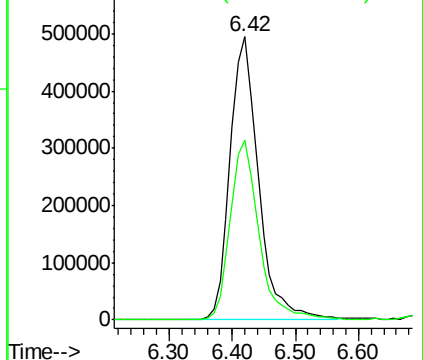
83 100

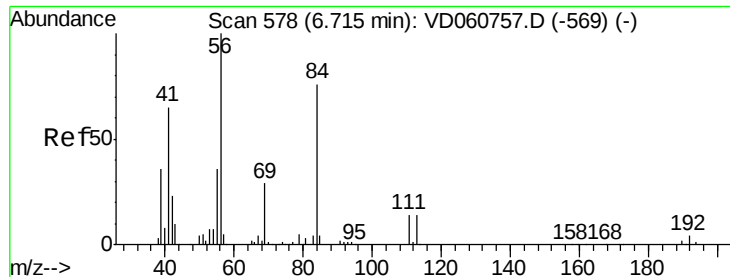
85 63.4 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

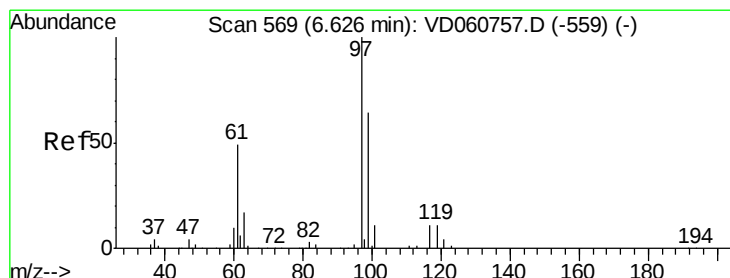
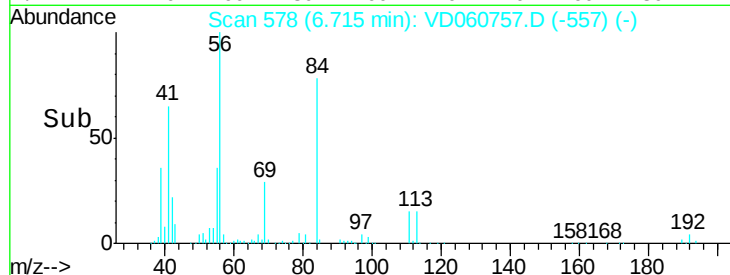
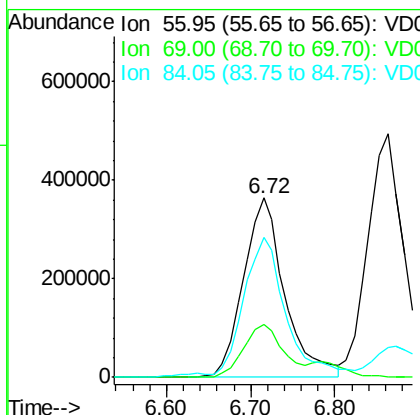
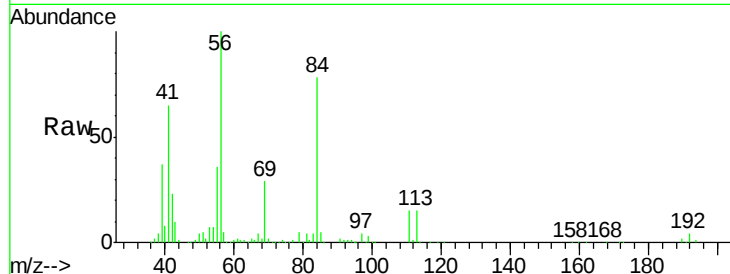




#31
Cyclohexane
Concen: 49.625 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

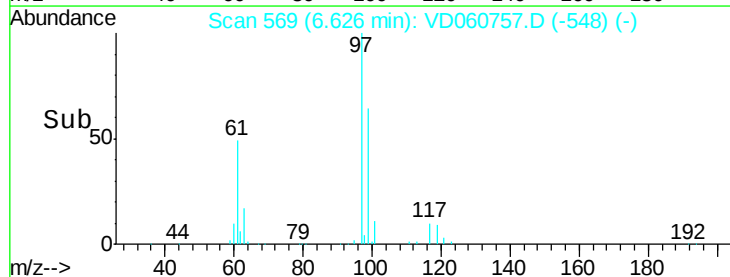
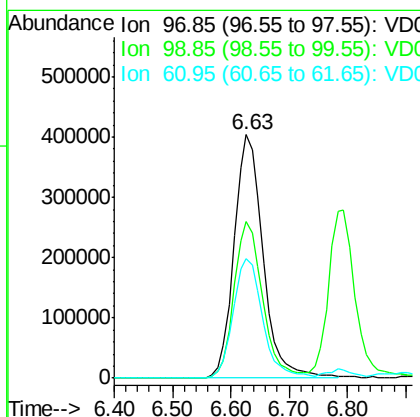
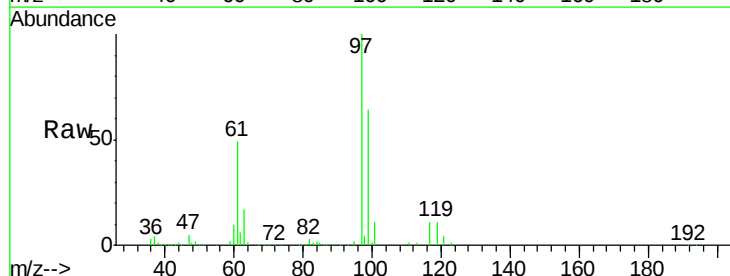
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

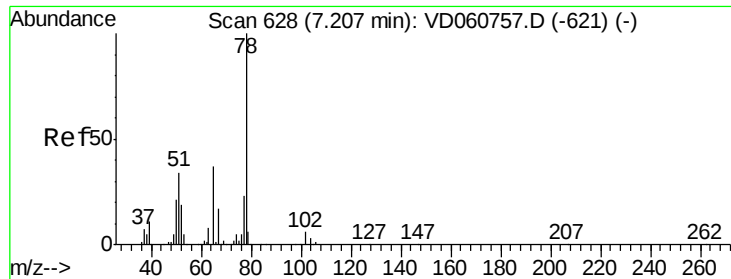
Tot Ion: 56 Resp: 1248477
Ion Ratio Lower Upper
56 100
69 29.3 23.6 35.4
84 78.2 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 64.028 ug/l
RT: 6.63 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion: 97 Resp: 1393455
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 48.9 34.6 51.8

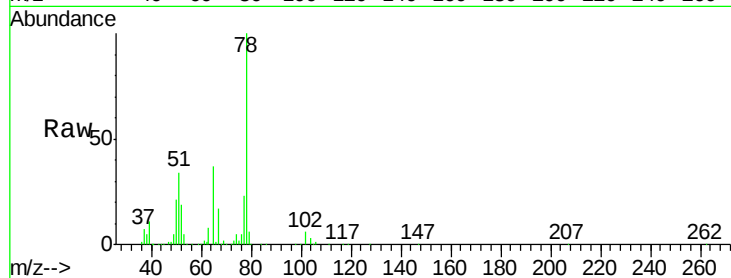




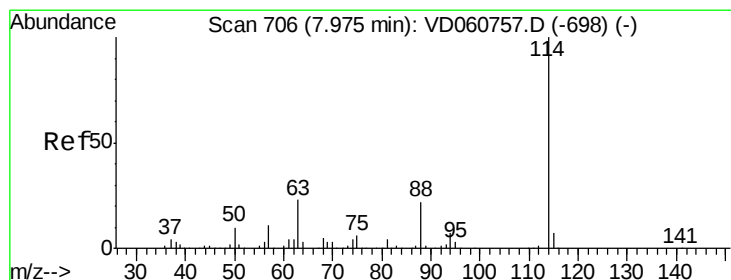
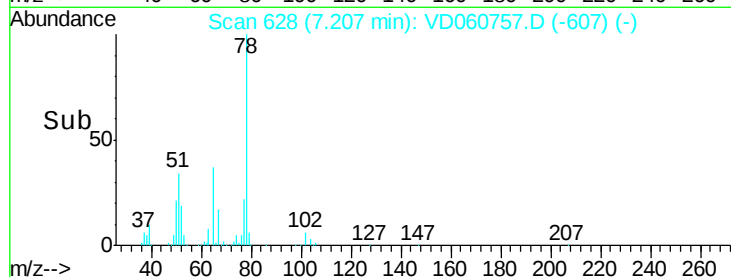
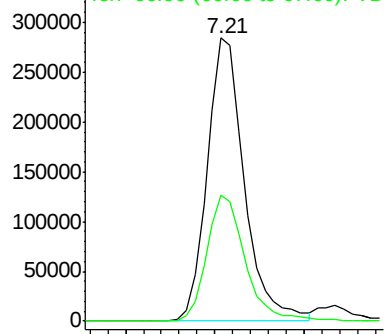
#33
 1,2-Dichloroethane-d4
 Concen: 64.028 ug/l
 RT: 7.21 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 822394
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 105.4

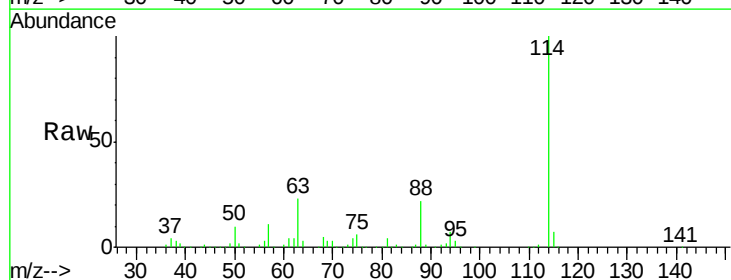


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

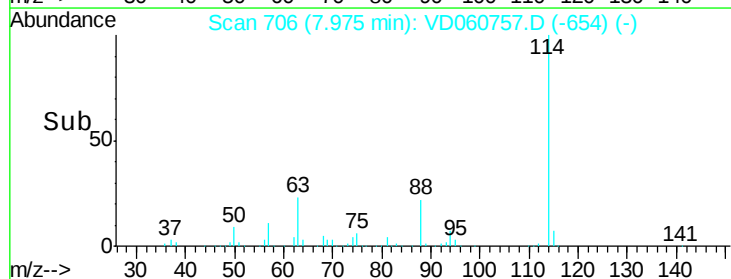
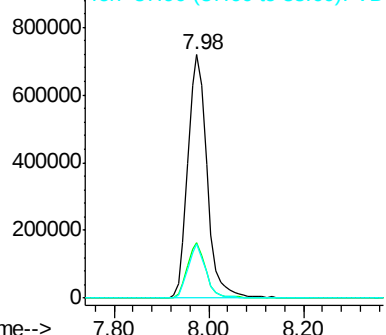


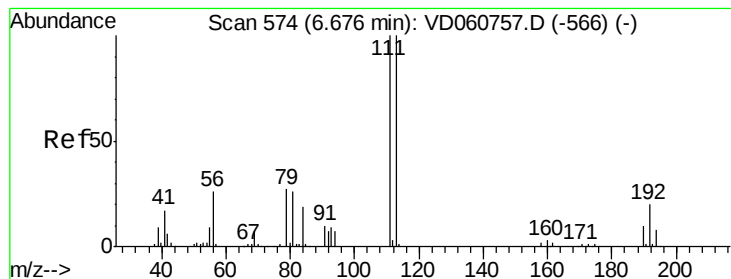
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 114 Resp: 2031088
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 36.2
 88 22.0 0.0 37.0



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

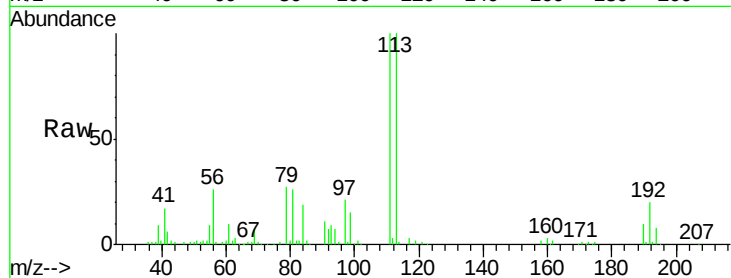
Tot Ion:113 Resp: 860634

Ion Ratio Lower Upper

113 100

111 100.3 80.0 120.0

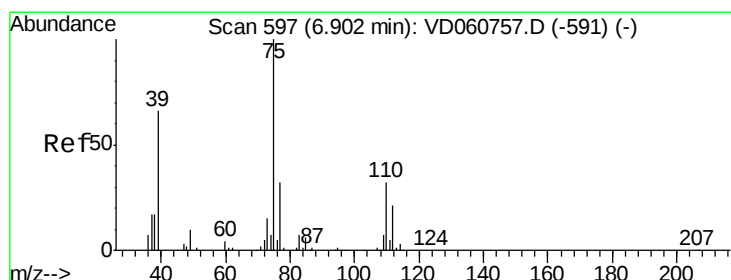
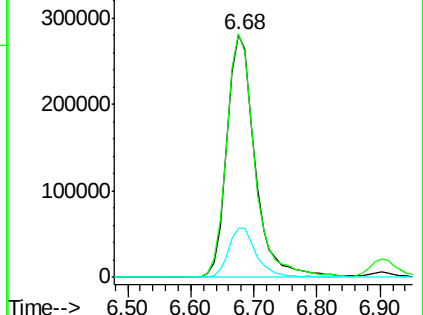
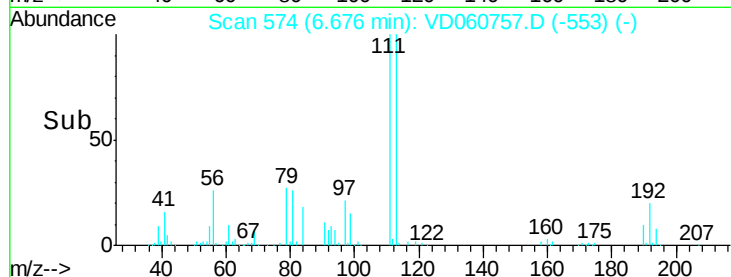
192 20.3 16.6 25.0



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: 52.456 ug/l

RT: 6.90 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

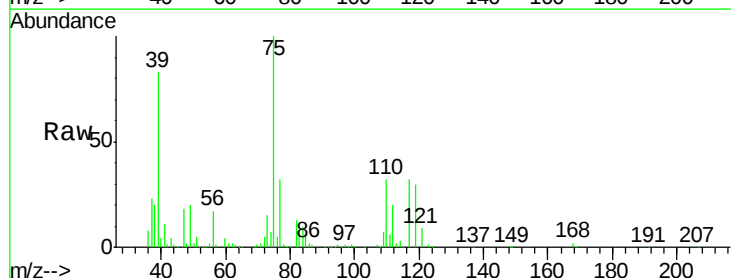
Tgt Ion: 75 Resp: 1097096

Ion Ratio Lower Upper

75 100

110 31.7 18.9 56.7

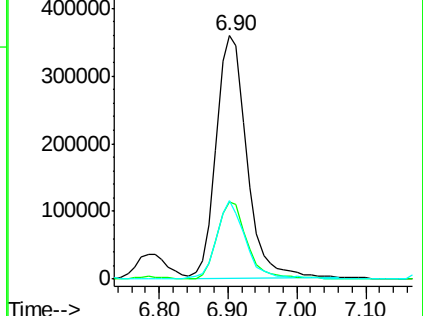
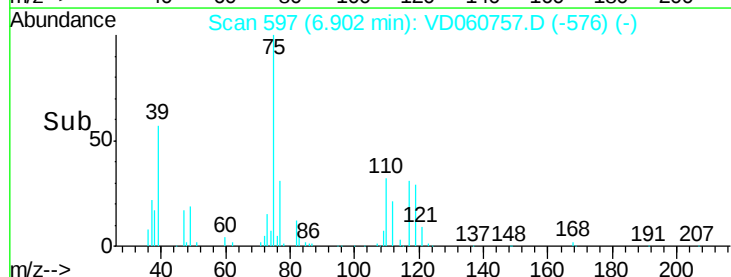
77 32.1 25.4 38.0

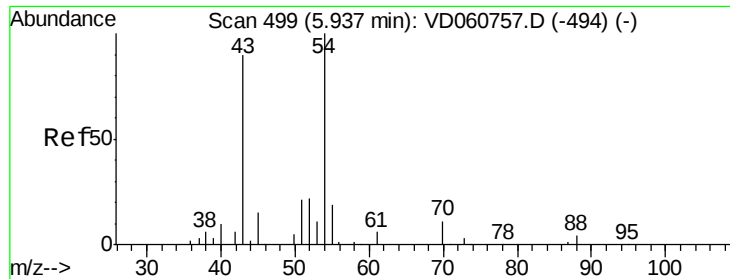


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 65.026 ug/l

RT: 5.94 min Scan# 499

Delta R.T. 0.03 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

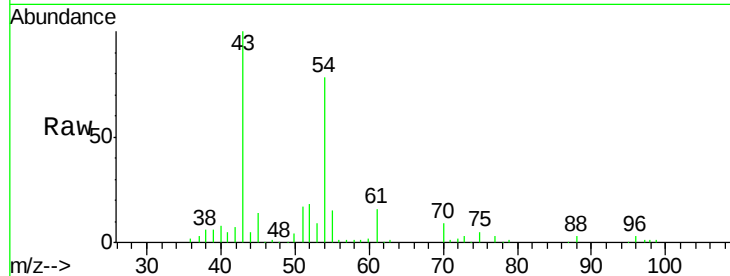
Tot Ion: 43 Resp: 568786

Ion Ratio Lower Upper

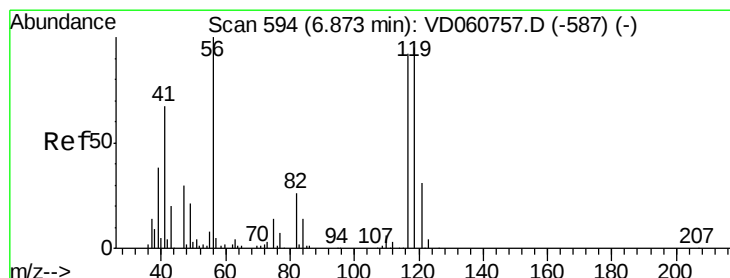
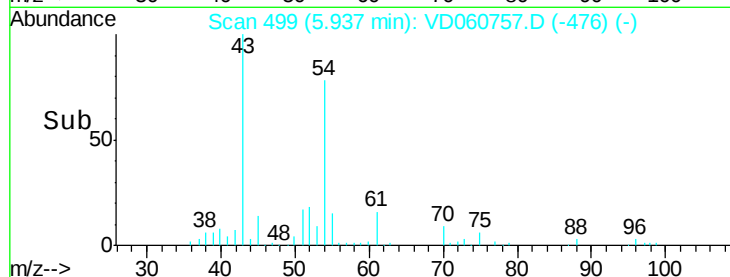
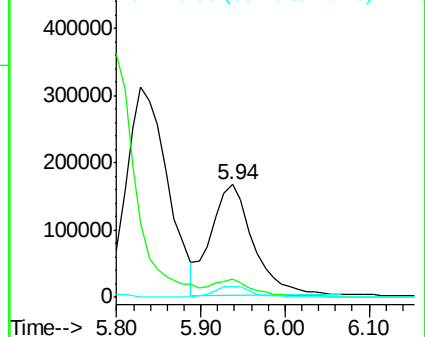
43 100

61 15.9 11.8 17.6

70 9.1 5.8 8.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 64.461 ug/l

RT: 6.87 min Scan# 594

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

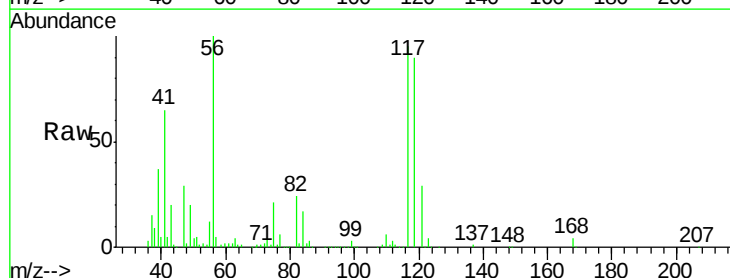
Tgt Ion: 117 Resp: 1189383

Ion Ratio Lower Upper

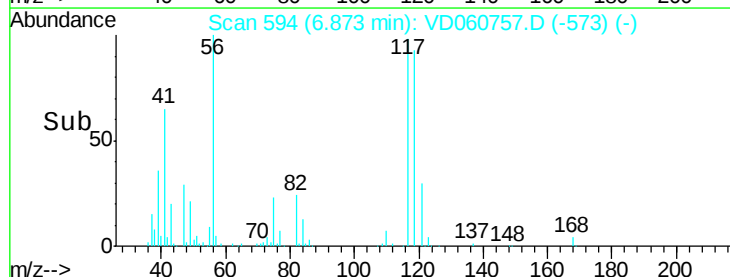
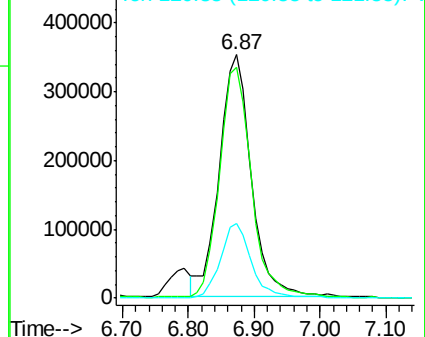
117 100

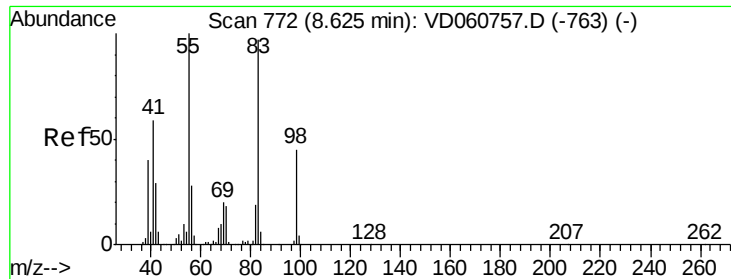
119 94.9 77.0 115.4

121 30.8 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

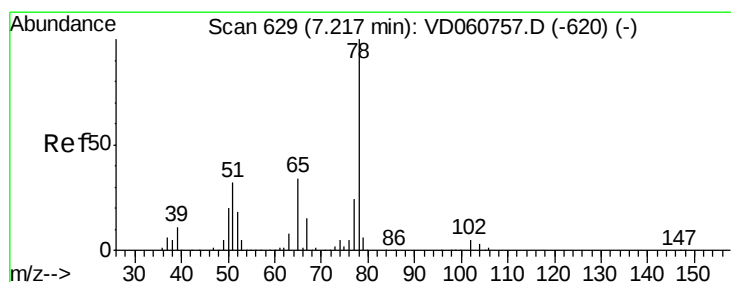
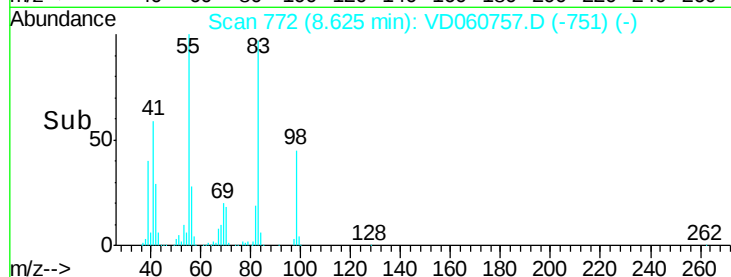
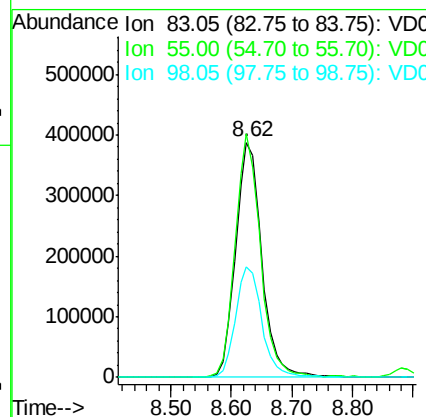
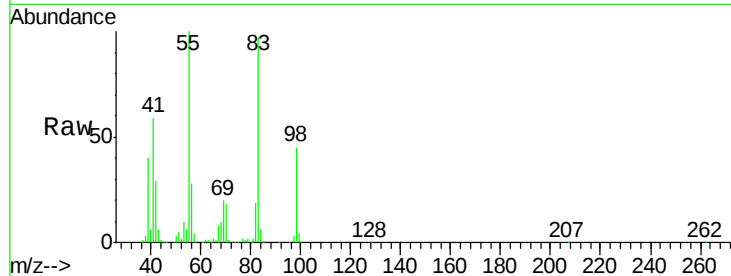




#39
Methvlcvclohexane
Concen: 48.907 ug/l
RT: 8.62 min Scan# 772
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

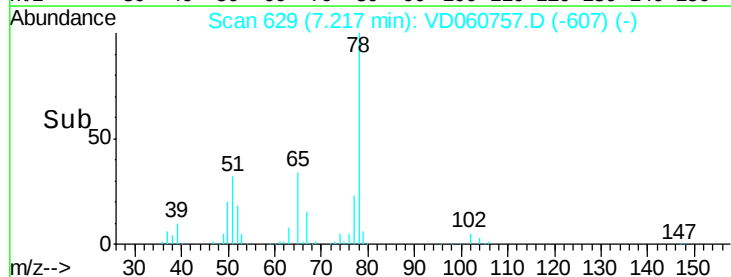
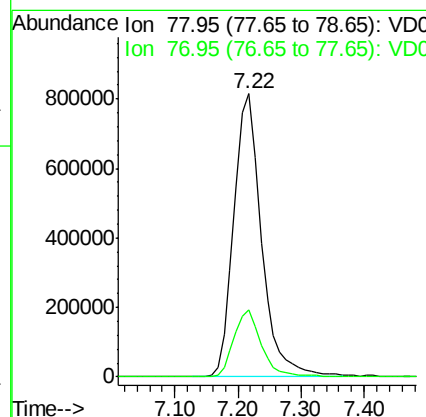
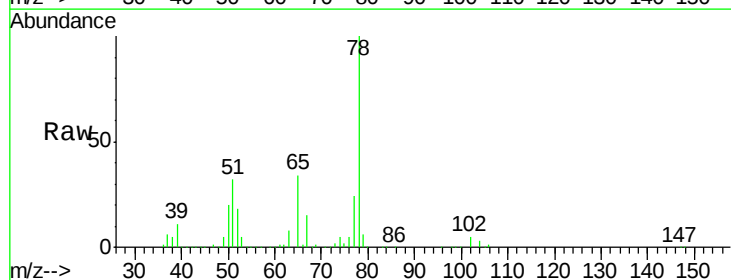
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

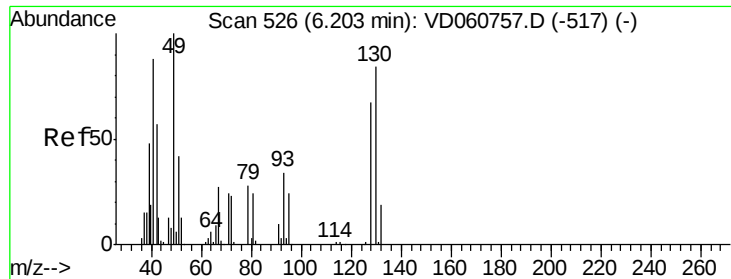
Tot Ion: 83 Resp: 1166596
Ion Ratio Lower Upper
83 100
55 103.5 68.6 102.8#
98 46.8 38.1 57.1



#40
Benzene
Concen: 46.025 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.02 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion: 78 Resp: 2486430
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 71.917 ug/l m

RT: 6.20 min Scan# 526

Delta R.T. 0.02 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 347958

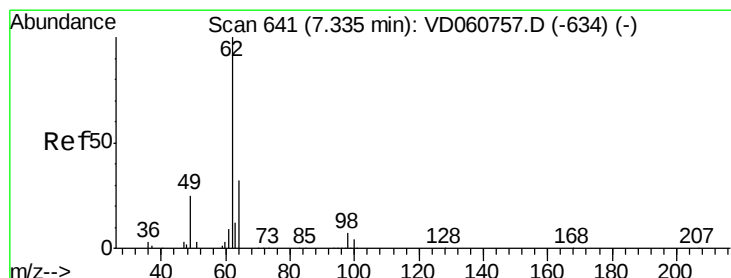
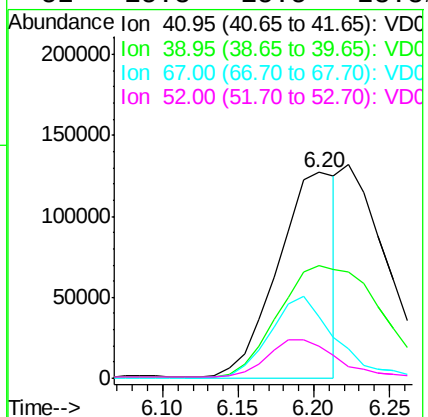
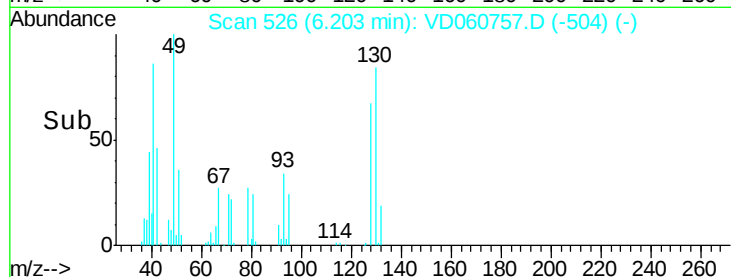
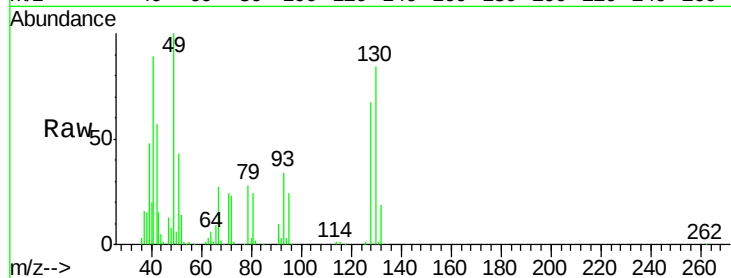
Ion Ratio Lower Upper

41 100

39 54.5 37.6 56.4

67 30.1 33.0 49.6#

52 15.3 15.5 23.3#



#42

1,2-Dichloroethane

Concen: 80.584 ug/l

RT: 7.34 min Scan# 641

Delta R.T. 0.02 min

Lab File: VD060757.D

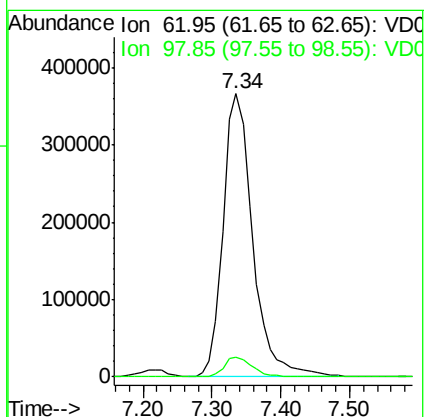
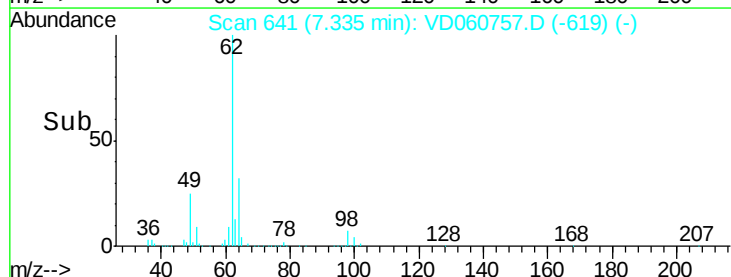
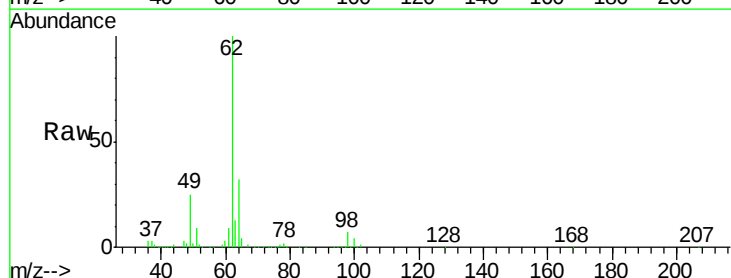
Acq: 18 Jan 2019 12:23

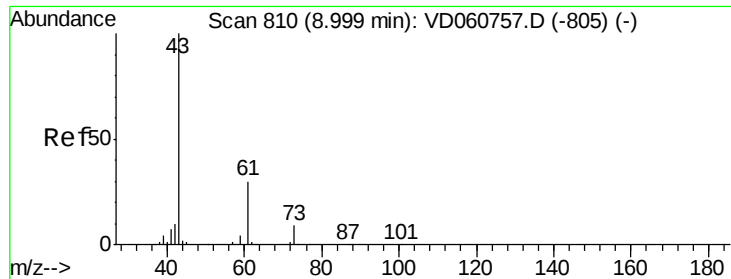
Tgt Ion: 62 Resp: 1080351

Ion Ratio Lower Upper

62 100

98 7.1 0.0 20.4



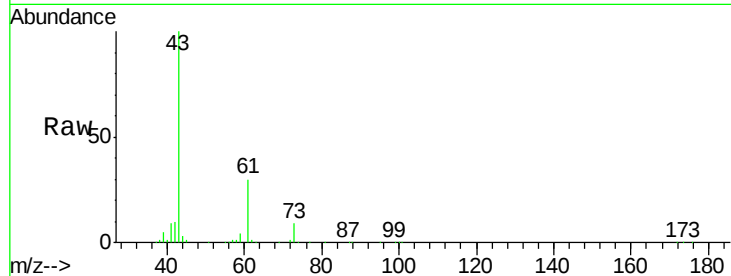


#43

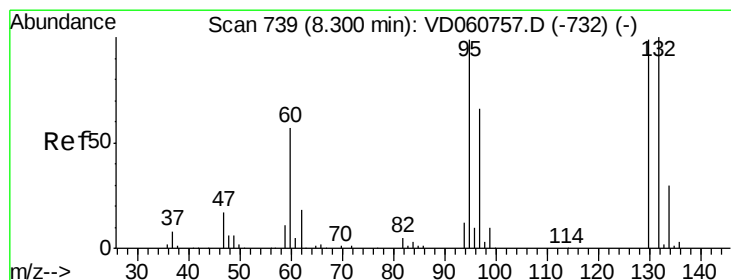
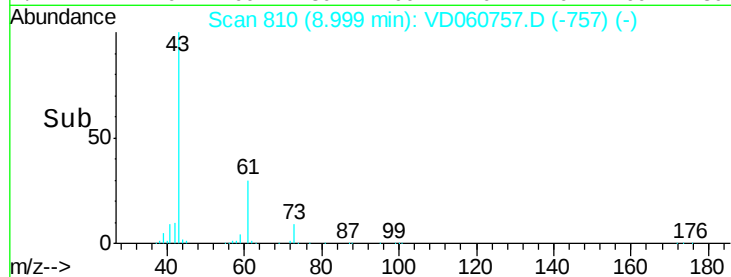
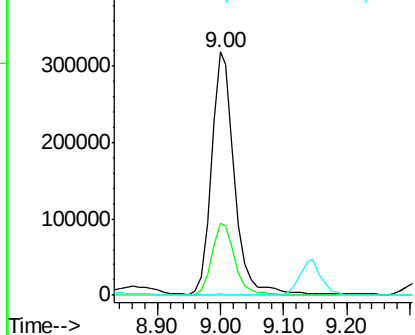
Isopropyl Acetate
 Concen: 71.673 ug/l
 RT: 9.00 min Scan# 810
 Delta R.T. 0.02 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 804526
 Ion Ratio Lower Upper
 43 100
 61 29.9 21.8 32.8
 87 0.6 0.2 0.4#



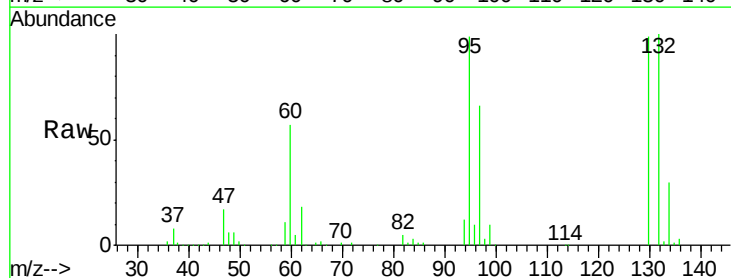
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



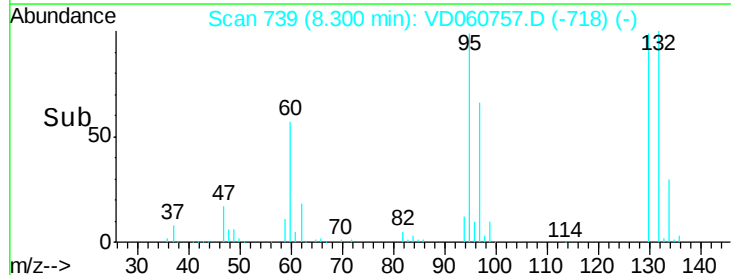
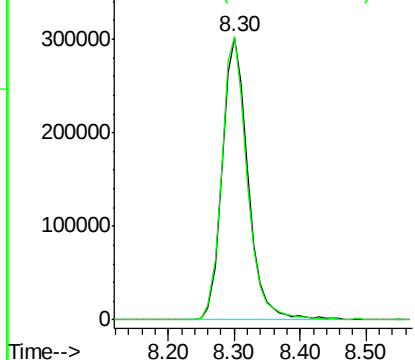
#44

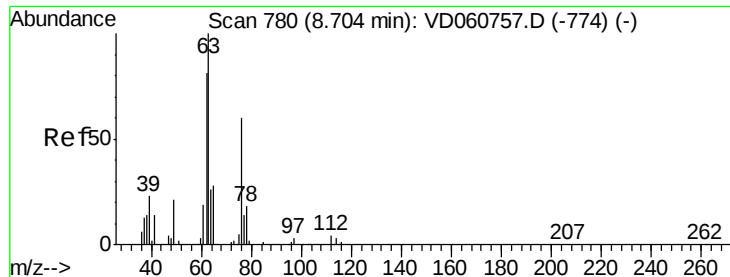
Trichloroethene
 Concen: 51.547 ug/l
 RT: 8.30 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 130 Resp: 824232
 Ion Ratio Lower Upper
 130 100
 95 100.3 0.0 193.6



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

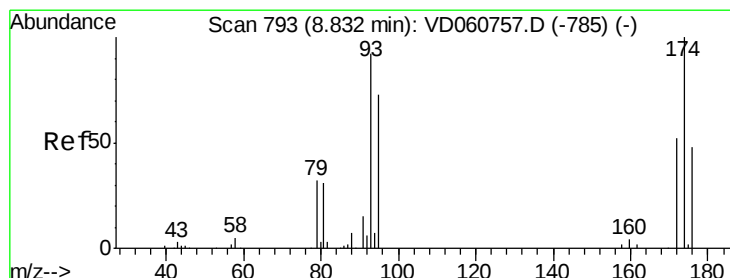
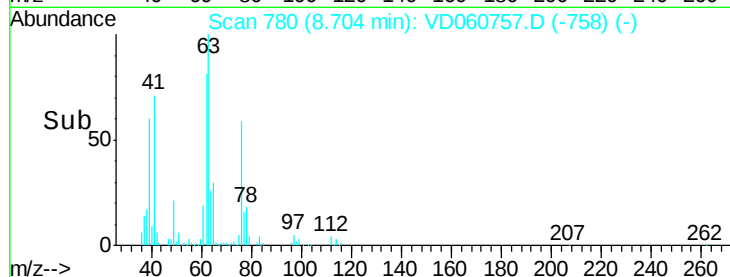
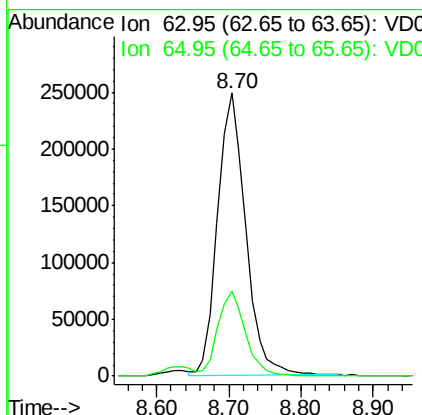
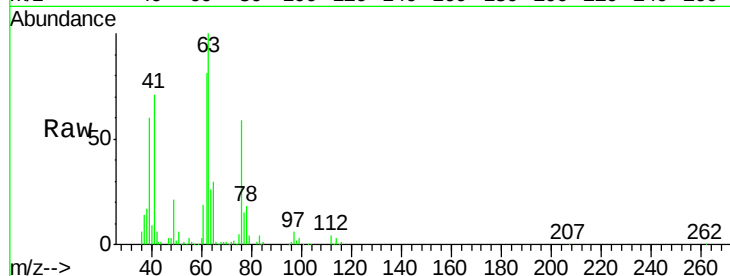




#45
 1,2-Dichloropropane
 Concen: 50.544 ug/l
 RT: 8.70 min Scan# 780
 Delta R.T. 0.02 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

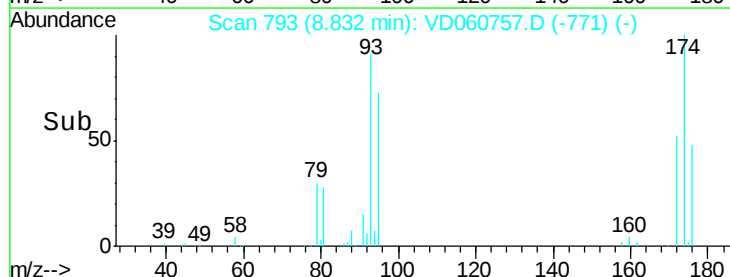
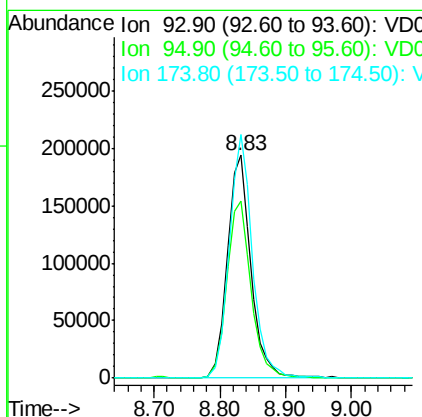
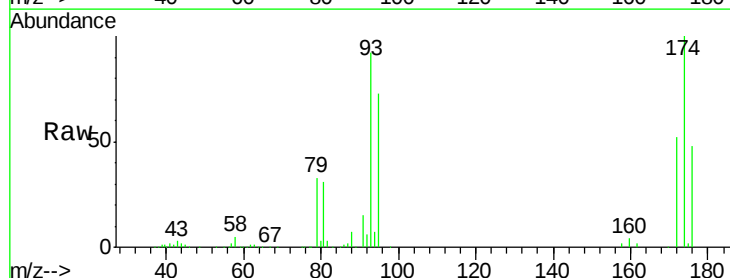
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

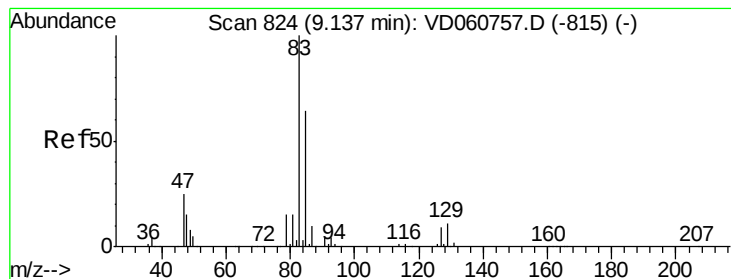
Tot Ion: 63 Resp: 669640
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6



#46
 Dibromomethane
 Concen: 64.338 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.02 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 93 Resp: 486492
 Ion Ratio Lower Upper
 93 100
 95 79.6 68.8 103.2
 174 109.3 93.0 139.4





#47

Bromodichloromethane

Concen: 65.864 ug/l

RT: 9.14 min Scan# 824

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

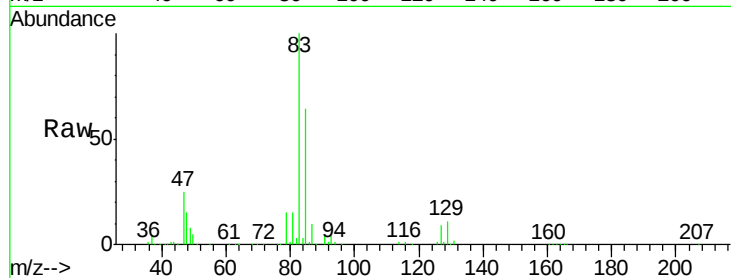
Tot Ion: 83 Resp: 1179586

Ion Ratio Lower Upper

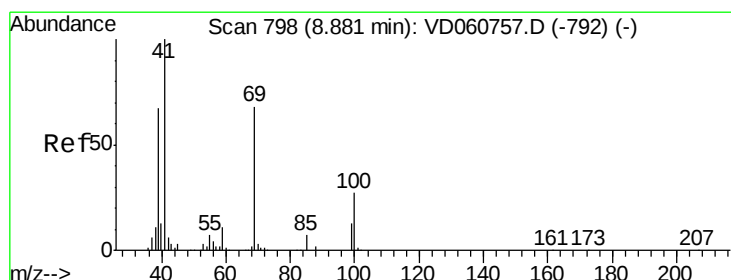
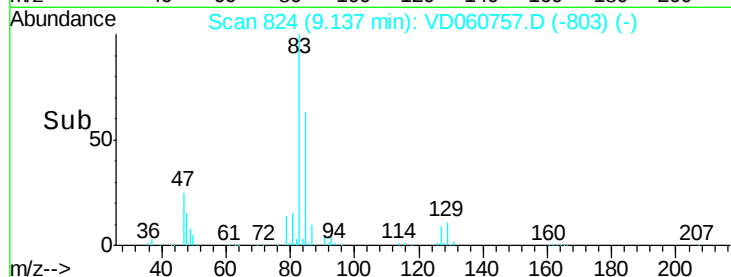
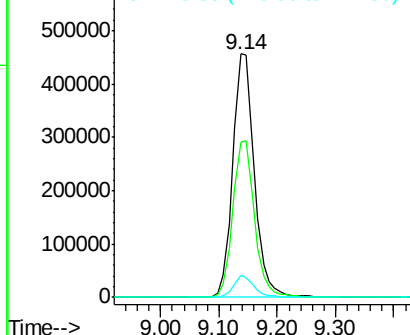
83 100

85 63.6 51.1 76.7

127 9.1 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: 73.032 ug/l

RT: 8.88 min Scan# 798

Delta R.T. 0.02 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

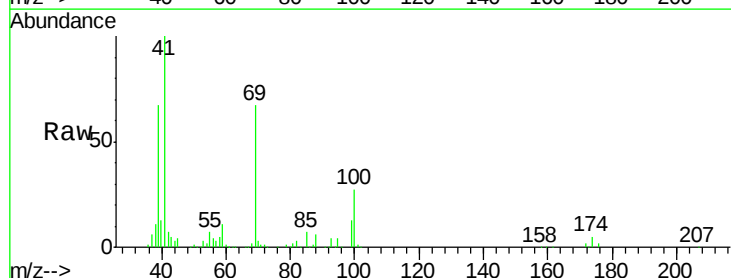
Tgt Ion: 41 Resp: 497902

Ion Ratio Lower Upper

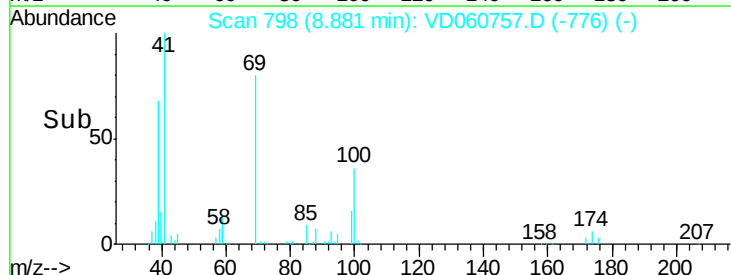
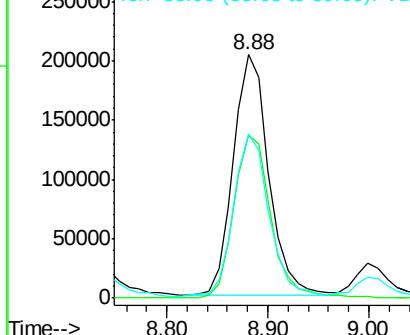
41 100

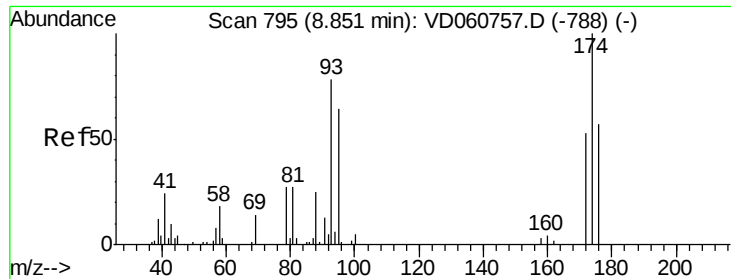
69 67.1 51.2 76.8

39 67.2 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: 1416.433 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

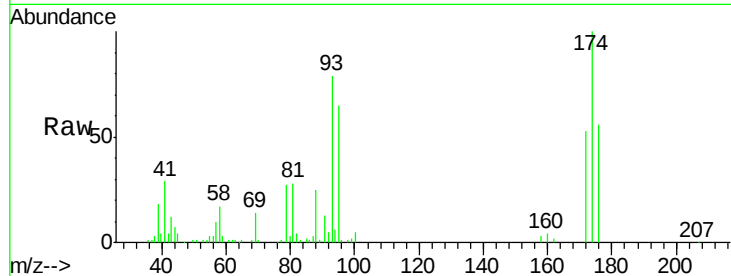
Tot Ion: 88 Resp: 89787

Ion Ratio Lower Upper

88 100

43 46.5 31.5 47.3

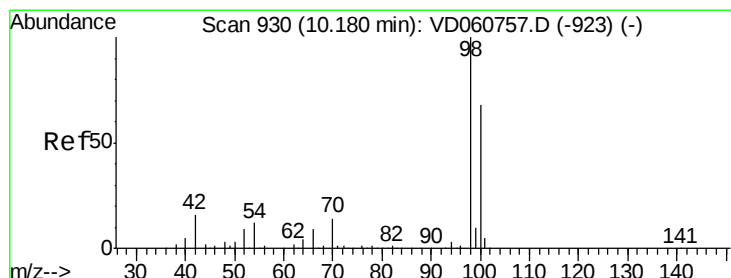
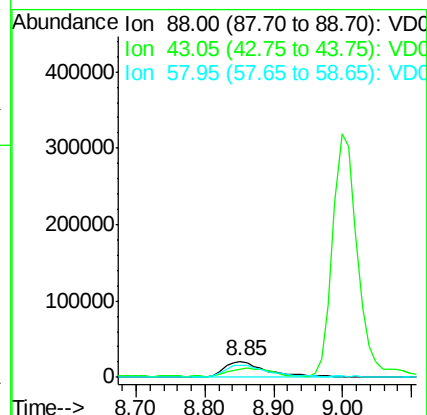
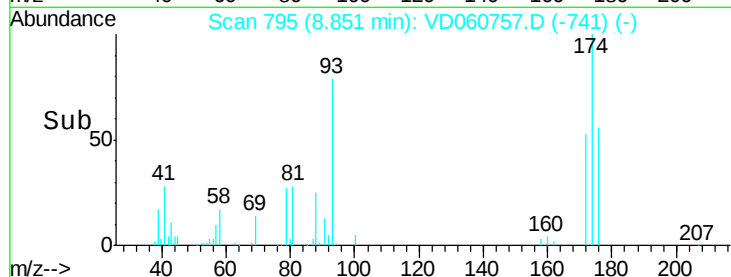
58 70.4 50.6 76.0



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: 1416.433 ug/l

RT: 10.18 min Scan# 930

Delta R.T. 0.01 min

Lab File: VD060757.D

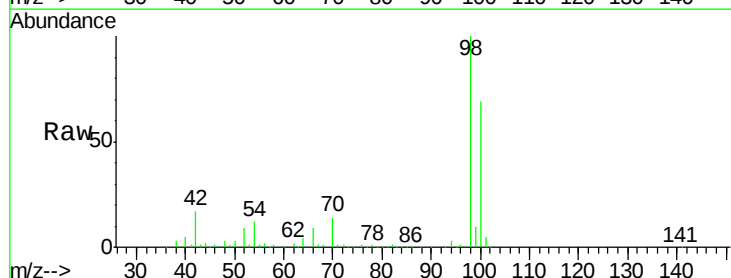
Acq: 18 Jan 2019 12:23

Tgt Ion: 98 Resp: 2144778

Ion Ratio Lower Upper

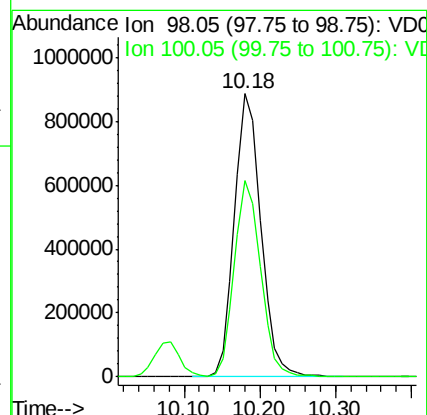
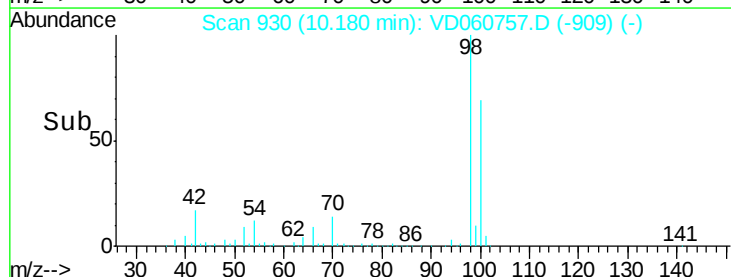
98 100

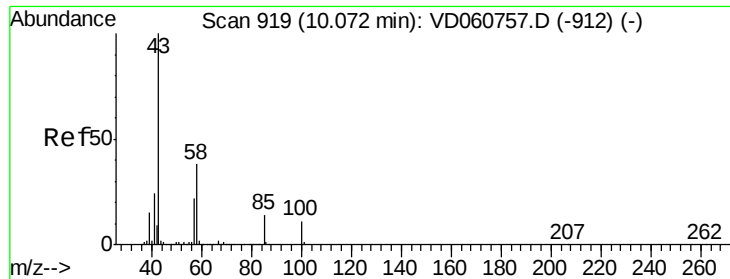
100 69.2 55.8 83.8



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: 344.135 ug/l

RT: 10.07 min Scan# 919

Delta R.T. 0.02 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

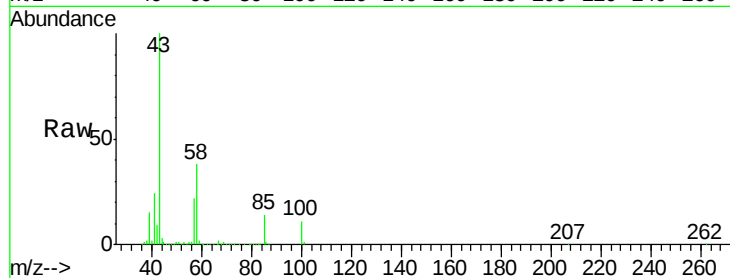
VSTDICCC050

Tot Ion: 43 Resp: 2366684

Ion Ratio Lower Upper

43 100

58 38.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.07

800000

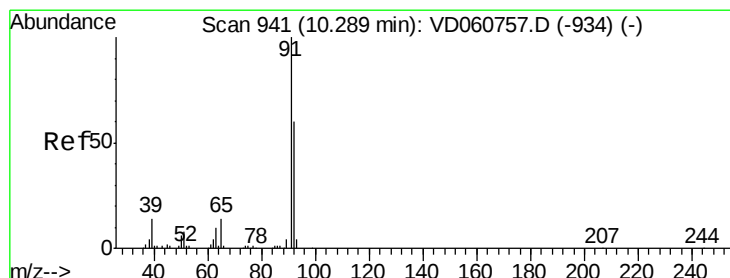
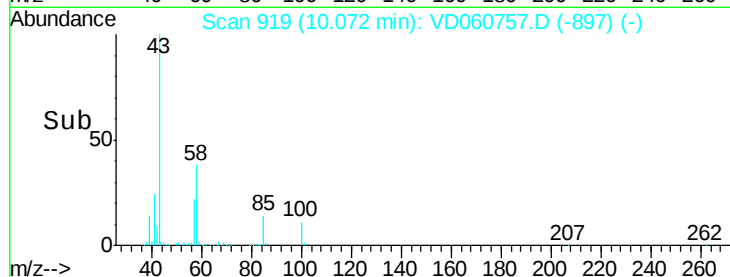
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 43.004 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060757.D

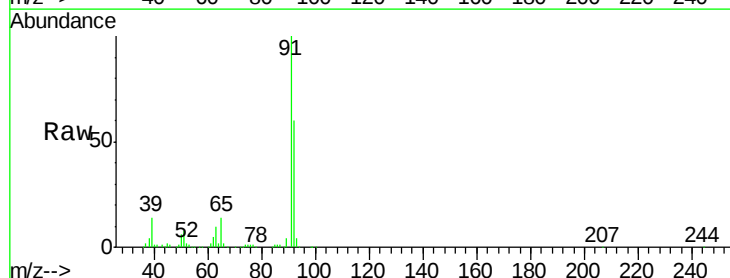
Acq: 18 Jan 2019 12:23

Tgt Ion: 92 Resp: 1456434

Ion Ratio Lower Upper

92 100

91 166.3 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.29

800000

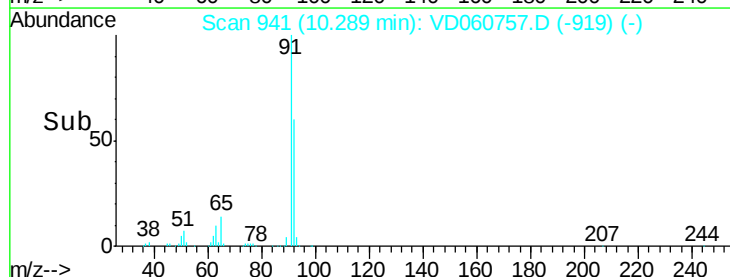
600000

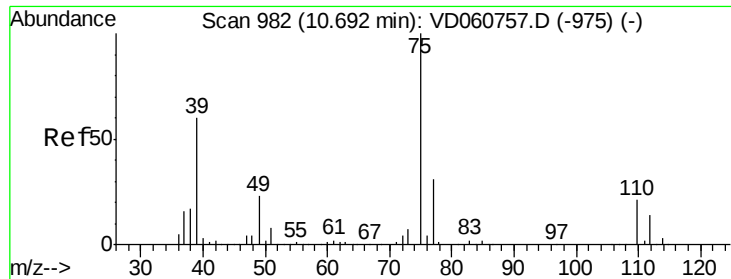
400000

200000

0

Time-->

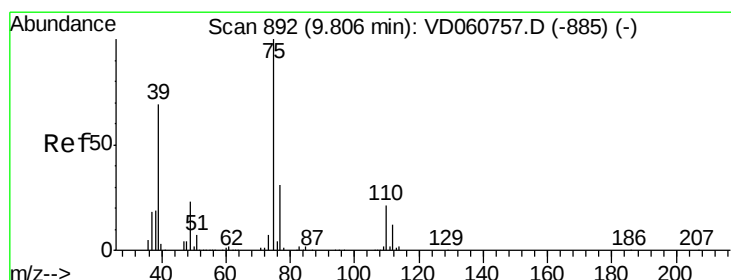
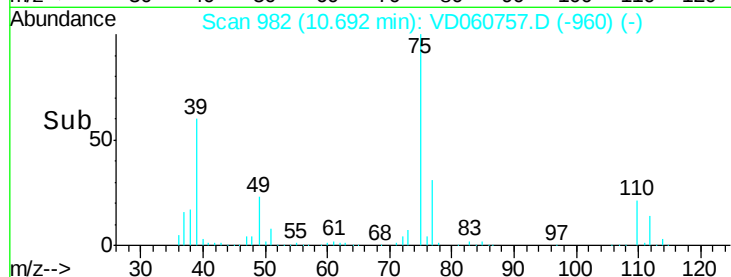
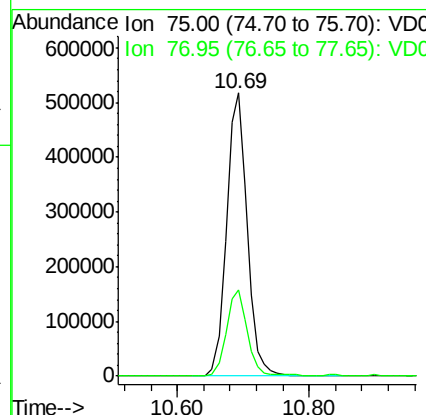
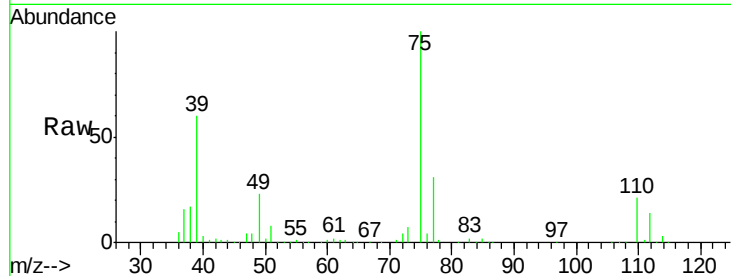




#53
 t-1,3-Dichloropropene
 Concen: 75.384 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.02 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

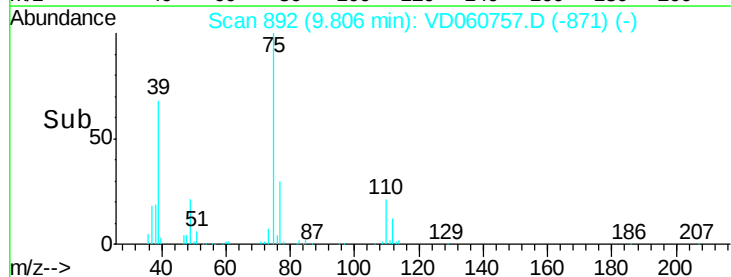
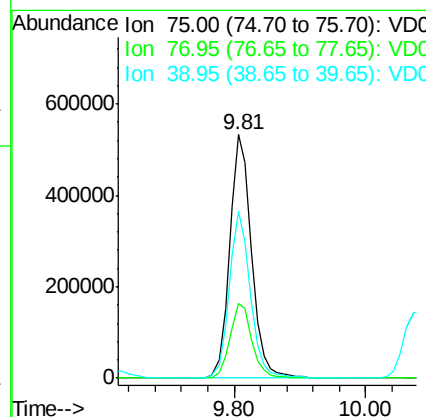
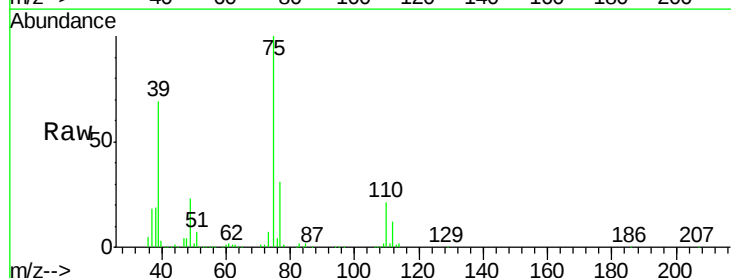
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

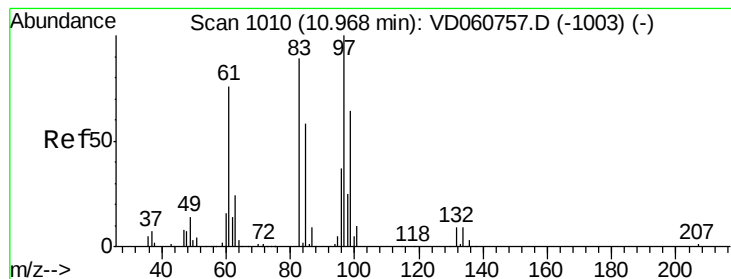
Tot Ion: 75 Resp: 1126351
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 63.220 ug/l
 RT: 9.81 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 75 Resp: 1236381
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2
 39 68.7 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 55.942 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 509757

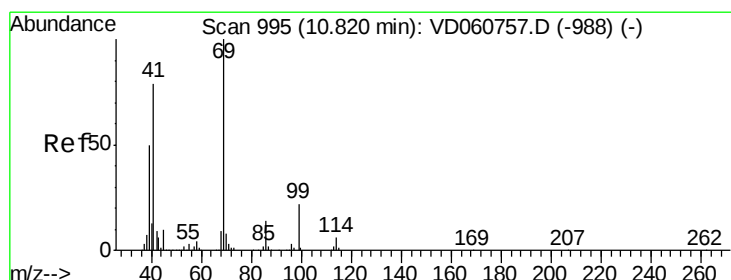
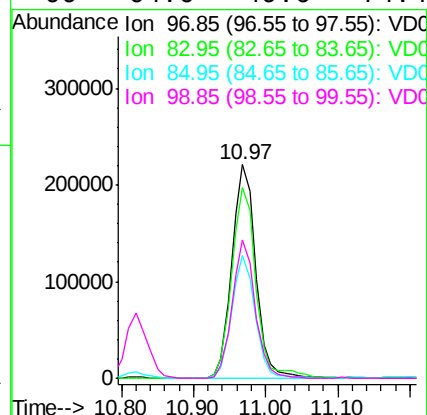
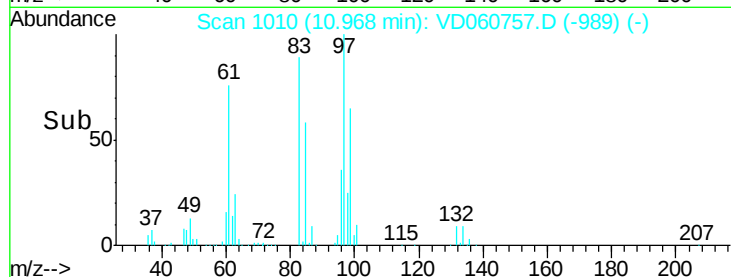
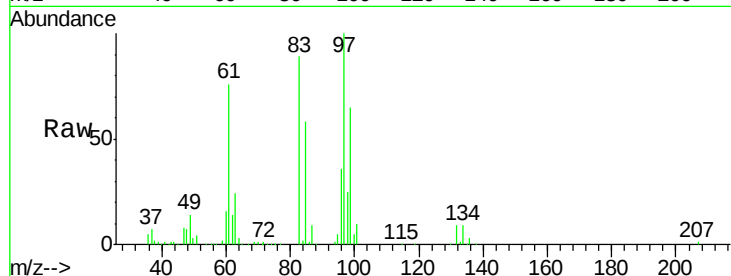
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.0	105.0
85	57.7	46.6	70.0
99	64.6	49.6	74.4

97 100

83 89.2 70.0 105.0

85 57.7 46.6 70.0

99 64.6 49.6 74.4



#56

Ethyl methacrylate

Concen: 78.157 ug/l

RT: 10.82 min Scan# 995

Delta R.T. 0.02 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

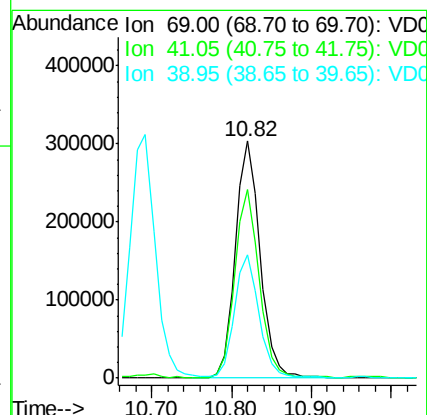
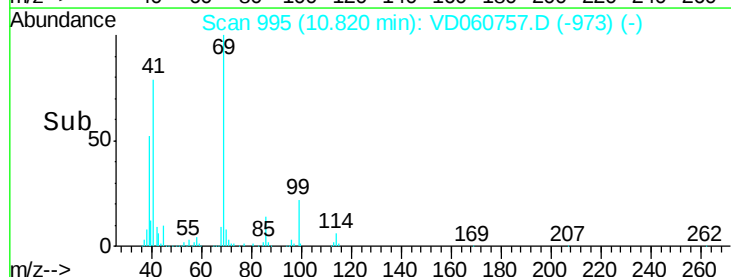
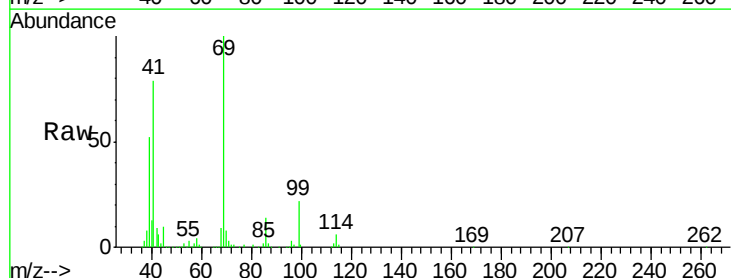
Tgt Ion: 69 Resp: 661499

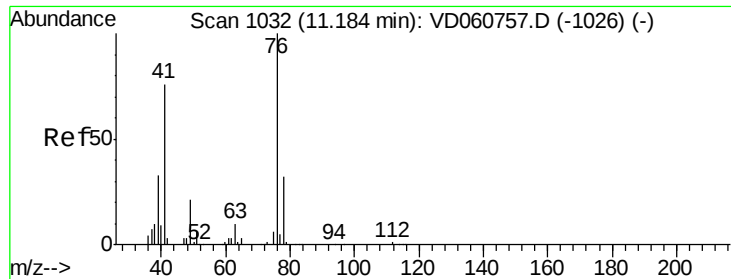
Ion	Ratio	Lower	Upper
69	100		
41	79.3	68.3	102.5
39	51.7	37.2	55.8

69 100

41 79.3 68.3 102.5

39 51.7 37.2 55.8

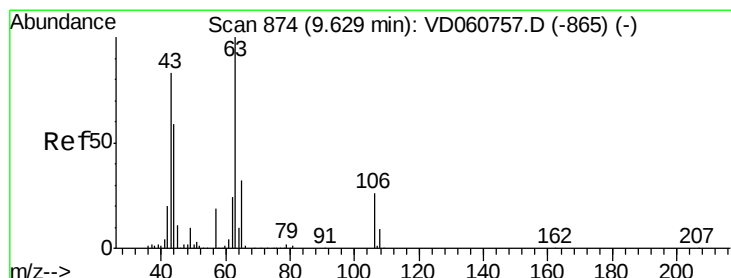
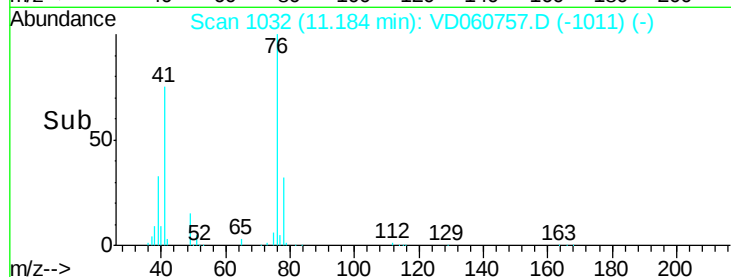
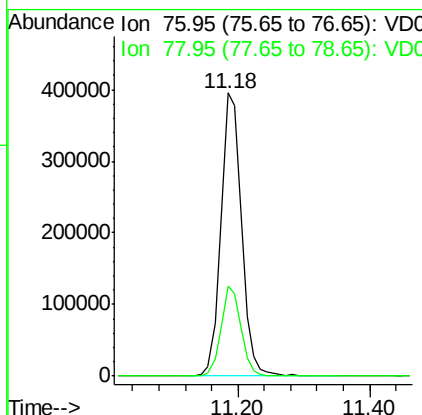
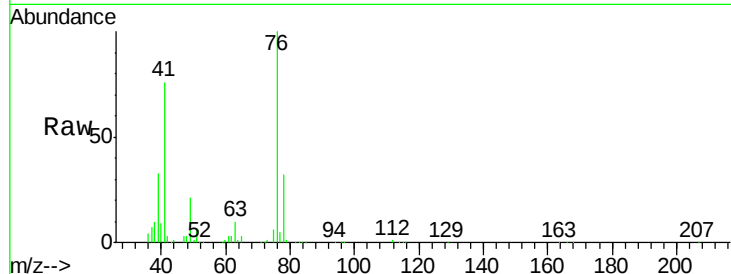




#57
 1,3-Dichloropropane
 Concen: 59.934 ug/l
 RT: 11.18 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

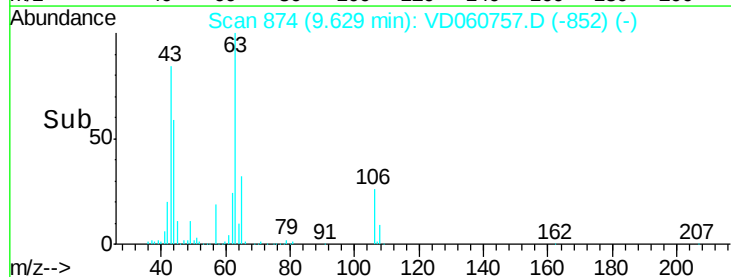
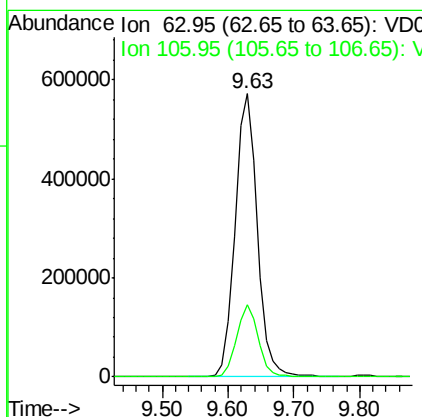
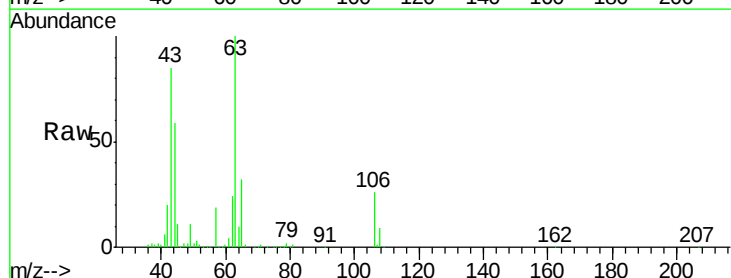
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

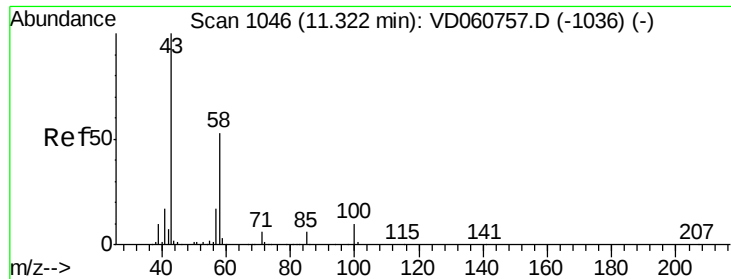
Tot Ion: 76 Resp: 865653
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.075 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 63 Resp: 1356847
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.4 33.6

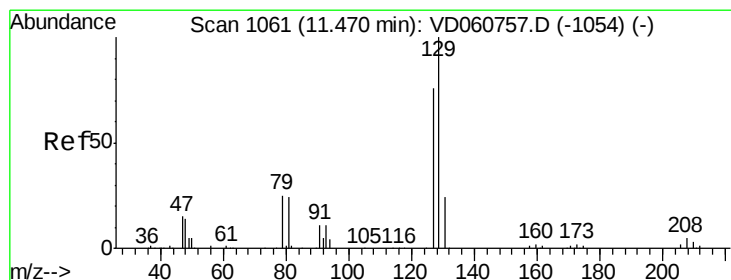
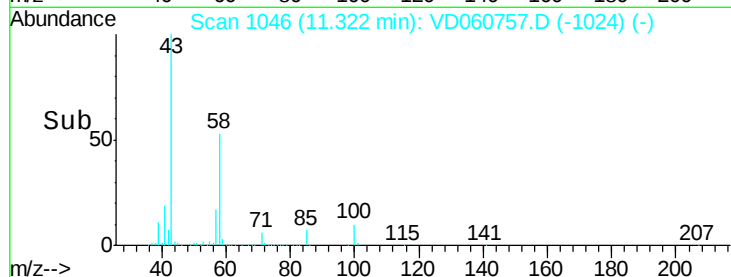
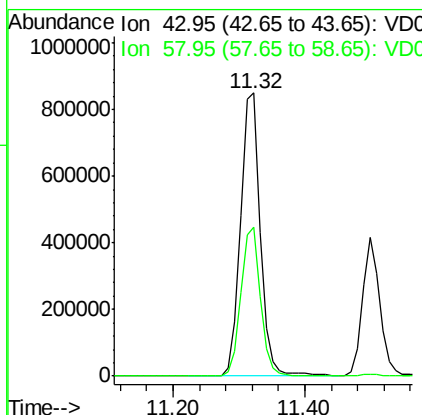
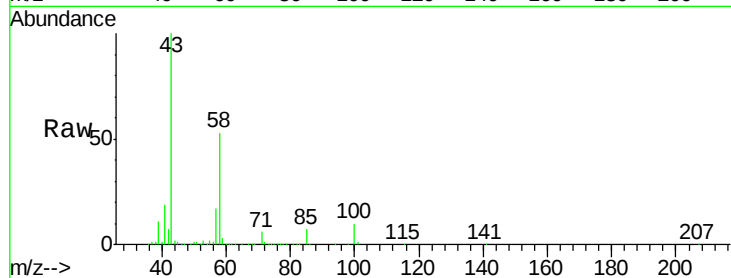




#59
2-Hexanone
Concen: 371.366 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

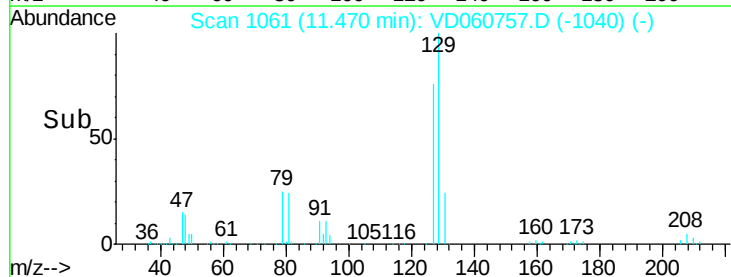
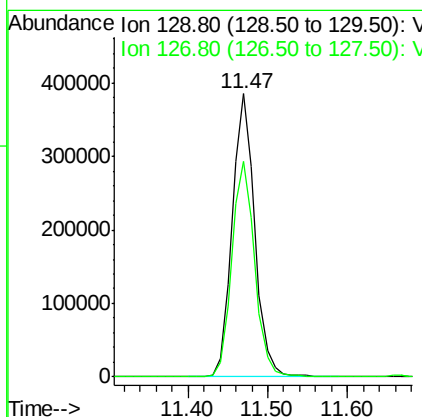
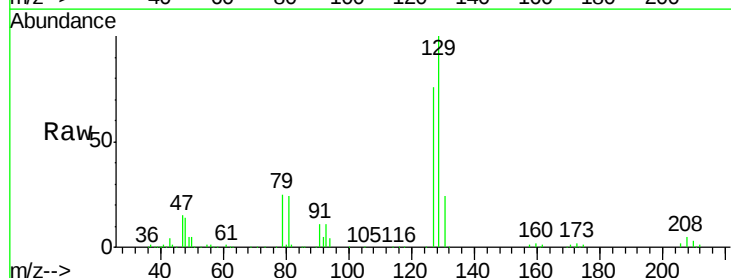
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

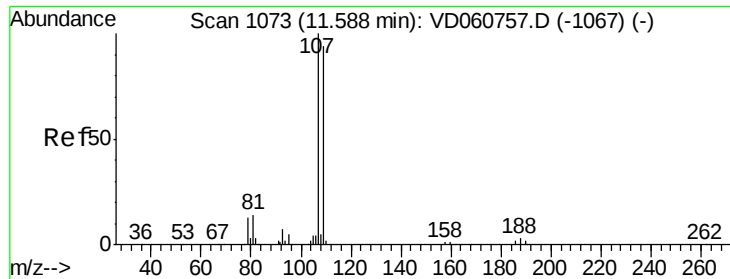
Tot Ion: 43 Resp: 1787673
Ion Ratio Lower Upper
43 100
58 52.8 23.5 70.5



#60
Dibromochloromethane
Concen: 65.607 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion: 129 Resp: 761494
Ion Ratio Lower Upper
129 100
127 76.0 37.6 112.9

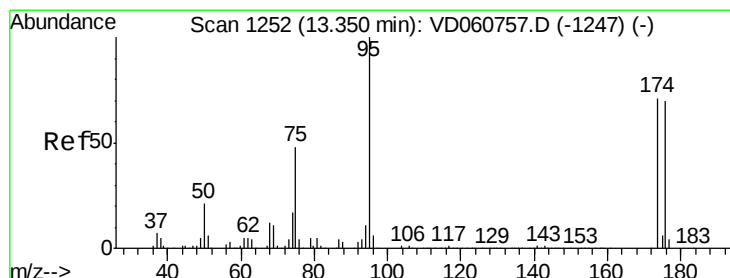
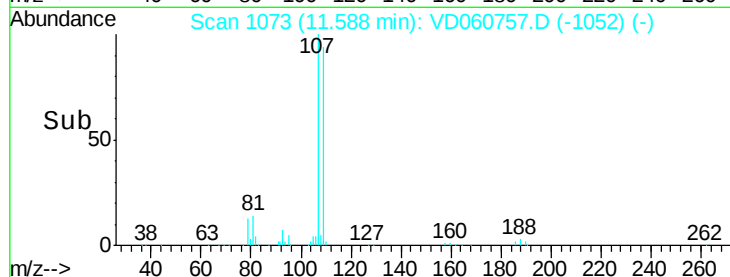
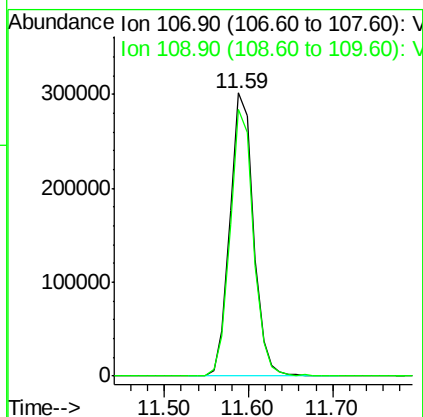
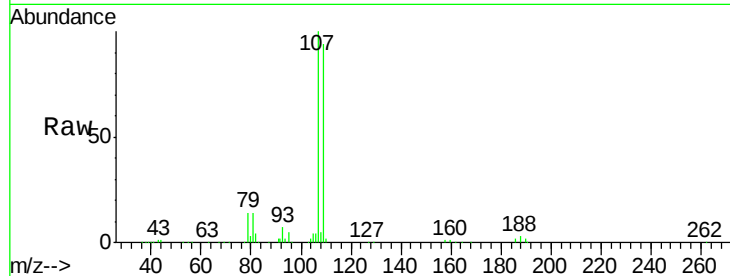




#61
 1,2-Dibromoethane
 Concen: 62.212 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

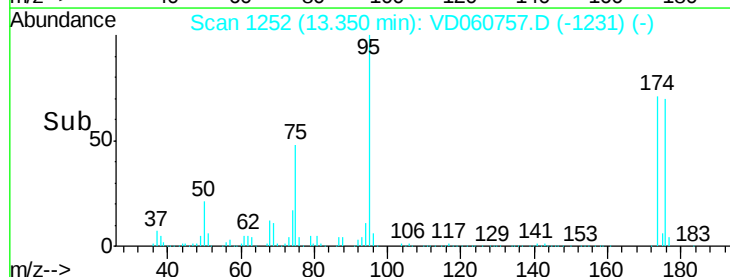
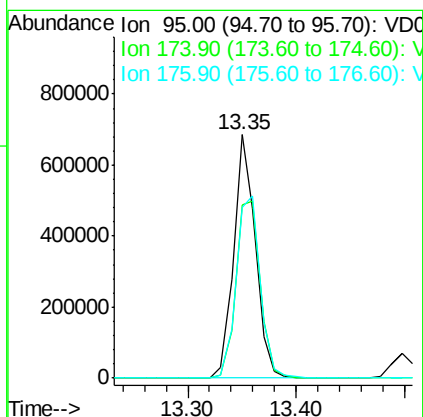
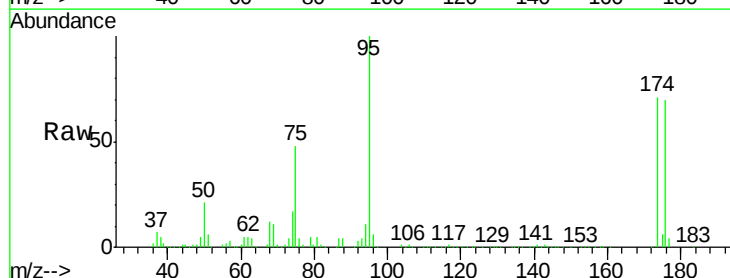
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

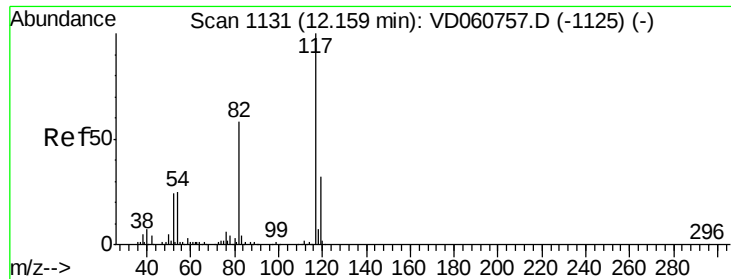
Tot Ion:107 Resp: 588004
 Ion Ratio Lower Upper
 107 100
 109 94.4 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 62.212 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 95 Resp: 959984
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 158.2
 176 70.2 0.0 152.4

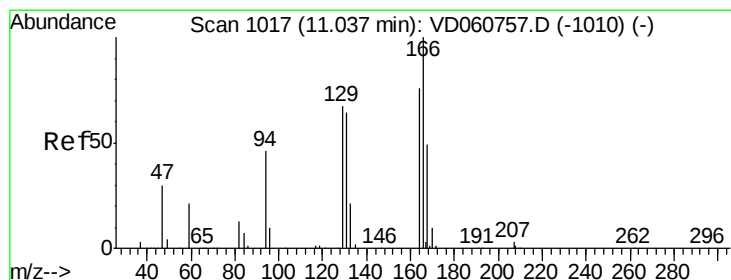
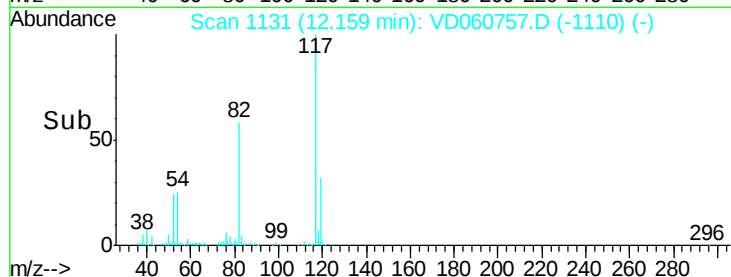
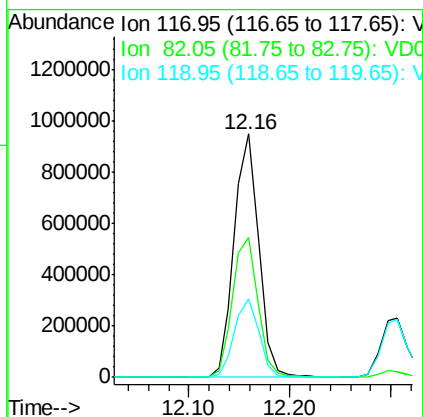
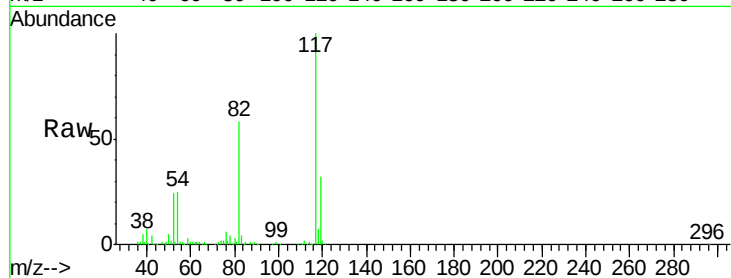




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

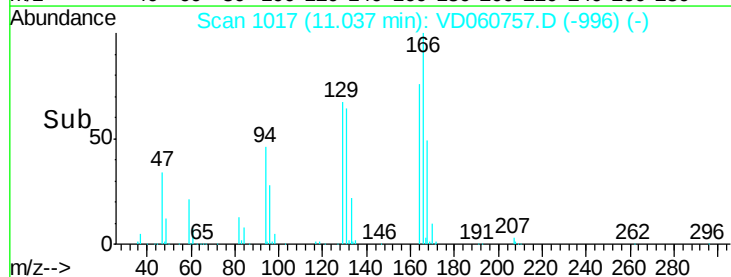
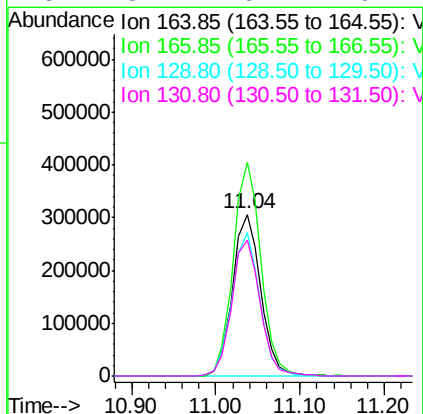
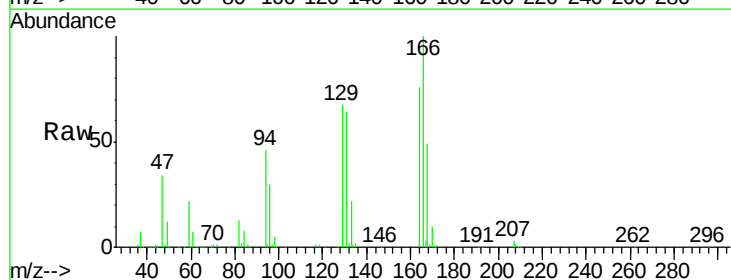
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

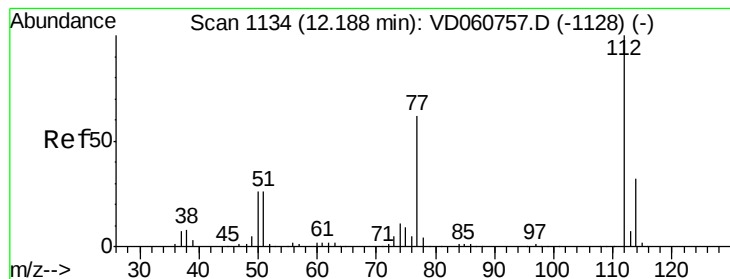
Tot Ion:117 Resp: 1608328
Ion Ratio Lower Upper
117 100
82 57.6 44.5 66.7
119 32.0 26.3 39.5



#64
Tetrachloroethene
Concen: 48.957 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion:164 Resp: 713656
Ion Ratio Lower Upper
164 100
166 132.3 104.4 156.6
129 88.5 62.7 94.1
131 84.1 61.1 91.7





#65

Chlorobenzene

Concen: 49.096 ug/l

RT: 12.19 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

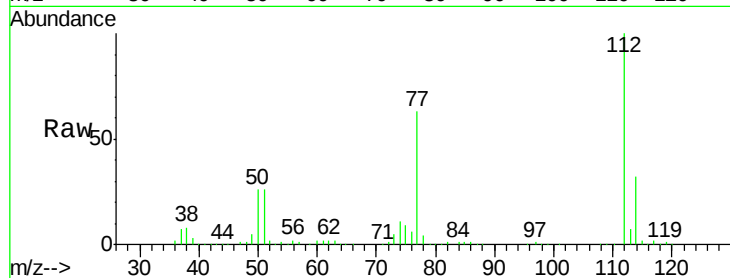
VSTDICCC050

Tot Ion:112 Resp: 1744579

Ion Ratio Lower Upper

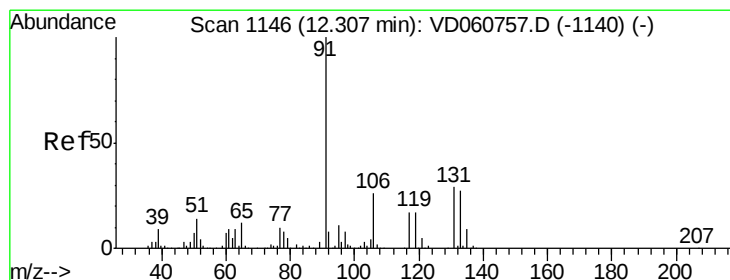
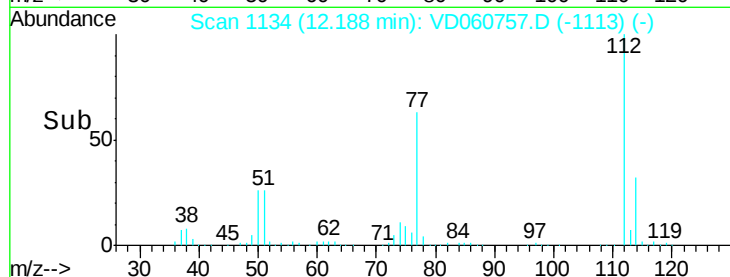
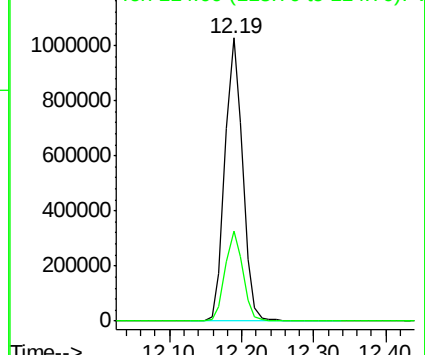
112 100

114 32.0 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 59.374 ug/l

RT: 12.31 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

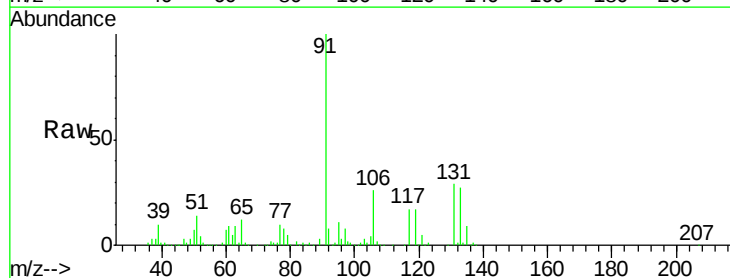
Tgt Ion:131 Resp: 678355

Ion Ratio Lower Upper

131 100

133 91.9 49.1 147.3

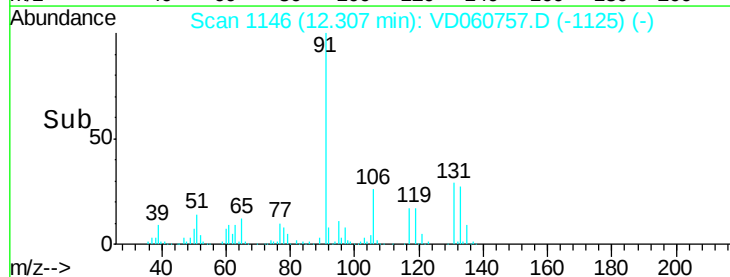
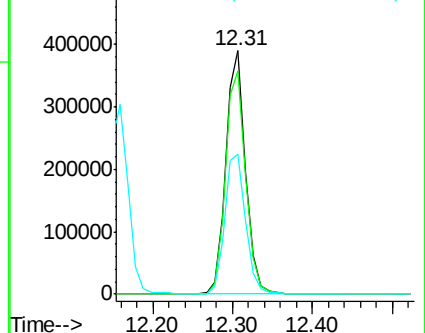
119 57.7 36.6 109.8

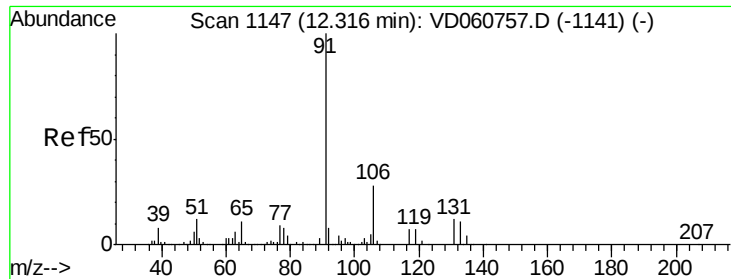


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

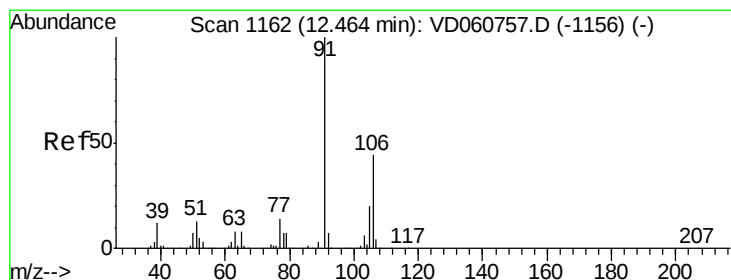
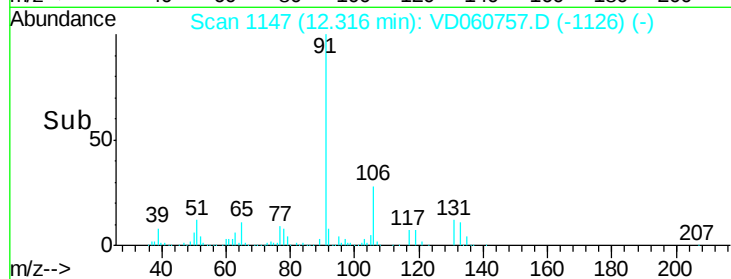
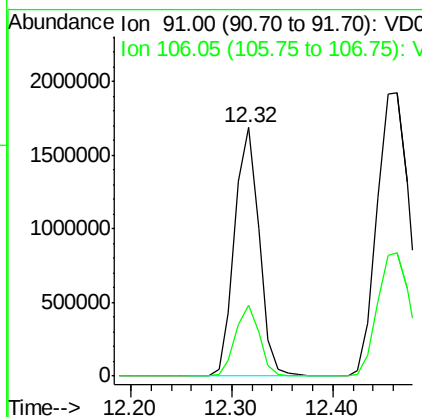
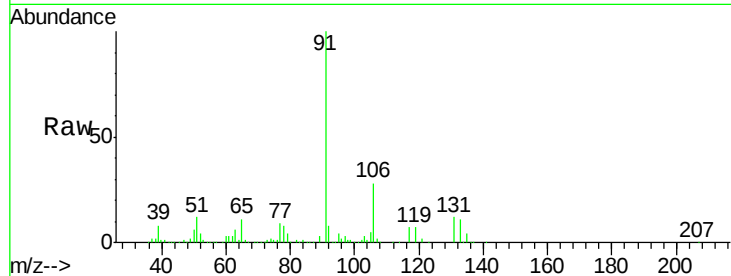




#67
Ethyl Benzene
Concen: 46.921 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

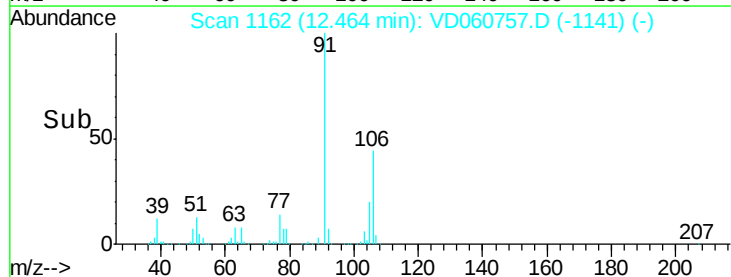
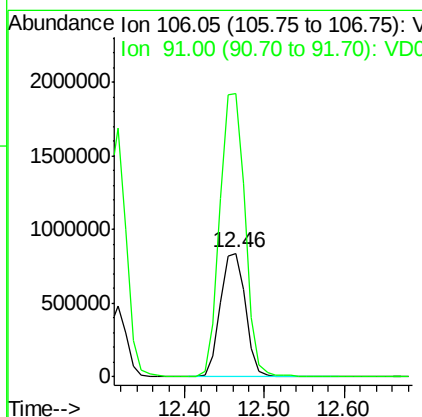
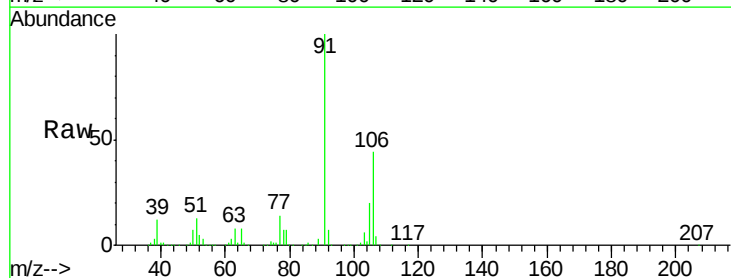
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

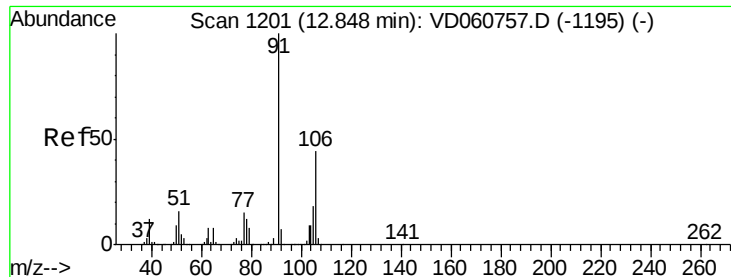
Tot Ion: 91 Resp: 2855394
Ion Ratio Lower Upper
91 100
106 28.4 24.6 36.8



#68
m/p-Xylenes
Concen: 84.454 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion: 106 Resp: 1878224
Ion Ratio Lower Upper
106 100
91 229.2 158.9 238.3

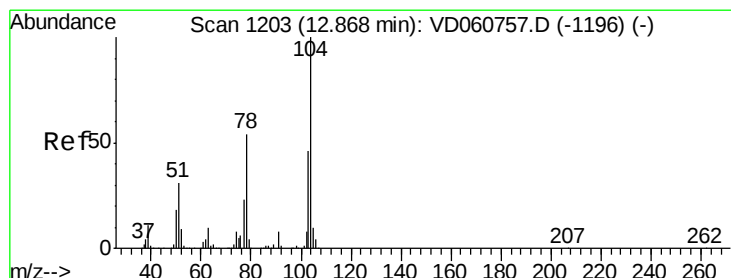
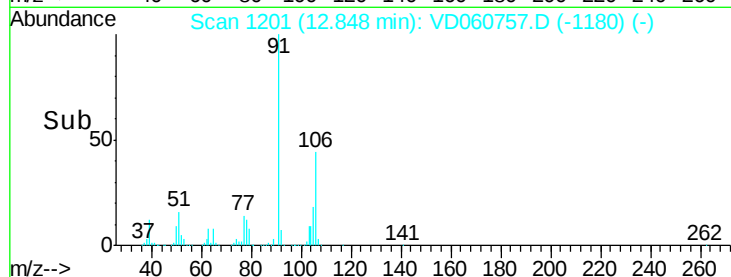
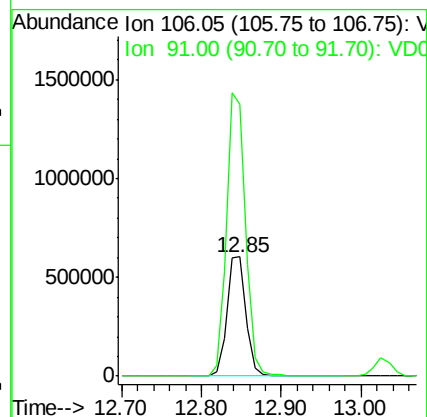
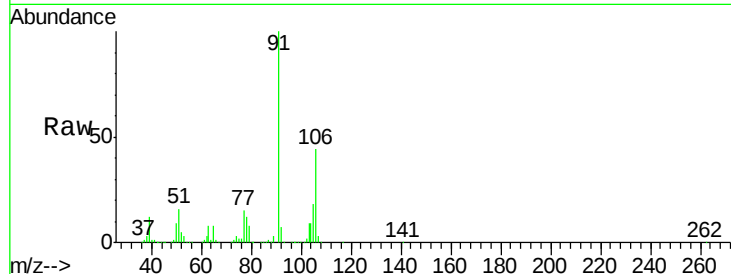




#69
o-Xylene
Concen: 48.374 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

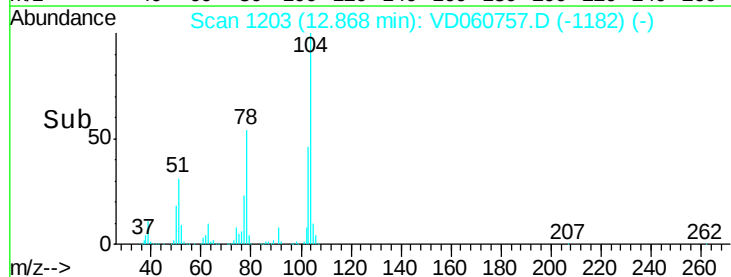
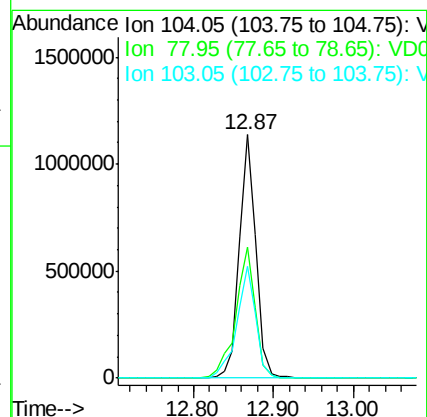
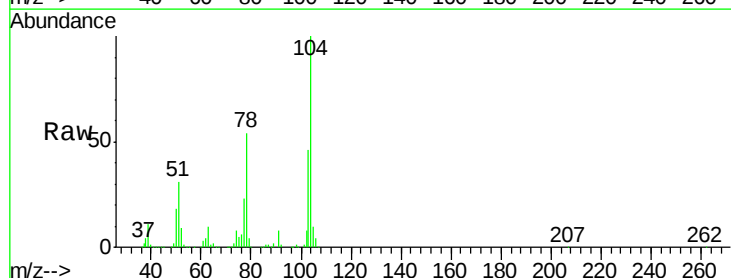
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

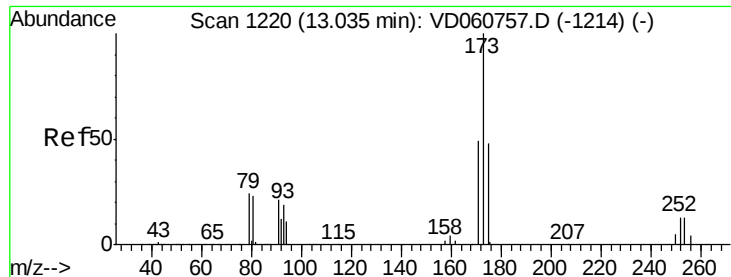
Tot Ion:106 Resp: 1020659
Ion Ratio Lower Upper
106 100
91 228.0 101.5 304.5



#70
Styrene
Concen: 49.205 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion:104 Resp: 1672099
Ion Ratio Lower Upper
104 100
78 53.6 31.4 47.2#
103 45.8 37.5 56.3





#71

Bromoform

Concen: 70.753 ug/l

RT: 13.04 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

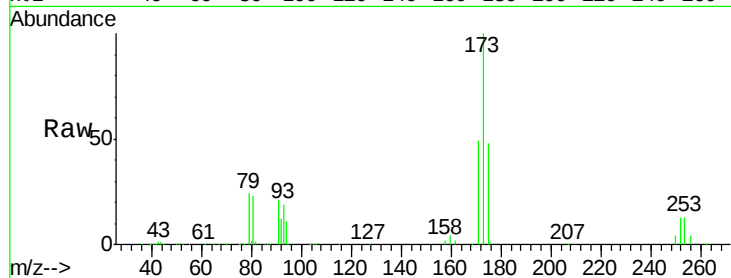
Tot Ion:173 Resp: 533595

Ion Ratio Lower Upper

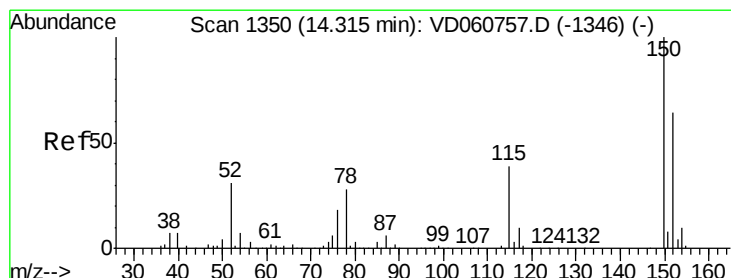
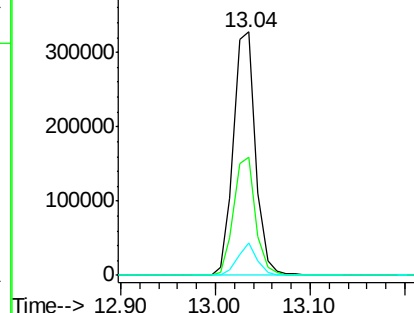
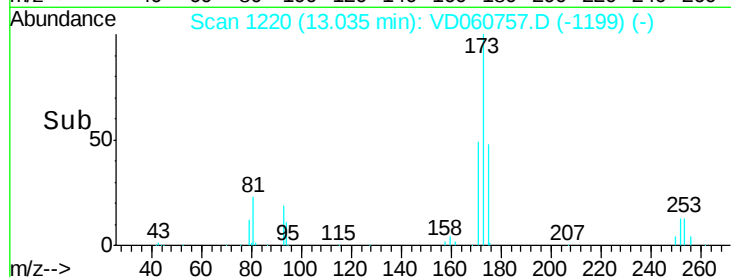
173 100

175 48.3 25.5 76.5

254 13.2 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: 14.31 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

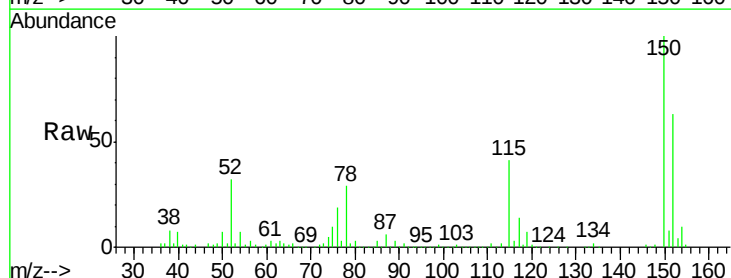
Tgt Ion:152 Resp: 801725

Ion Ratio Lower Upper

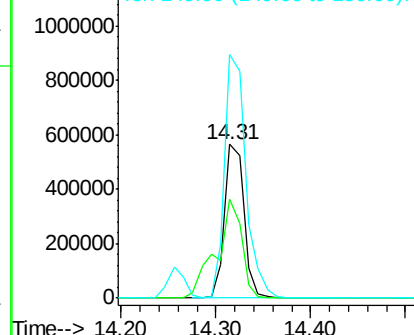
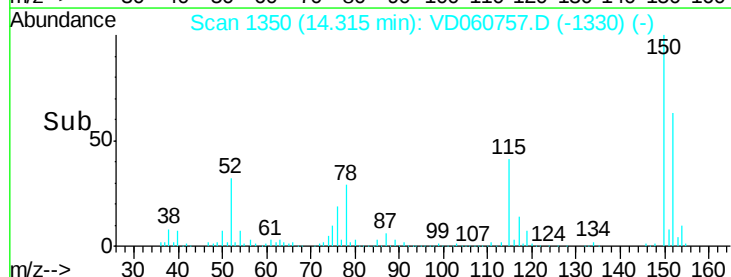
152 100

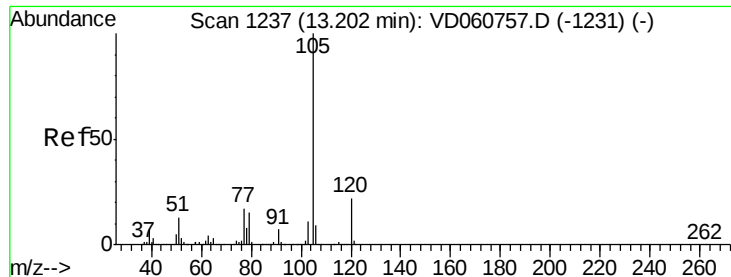
115 64.7 24.1 72.3

150 158.2 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: 46.355 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

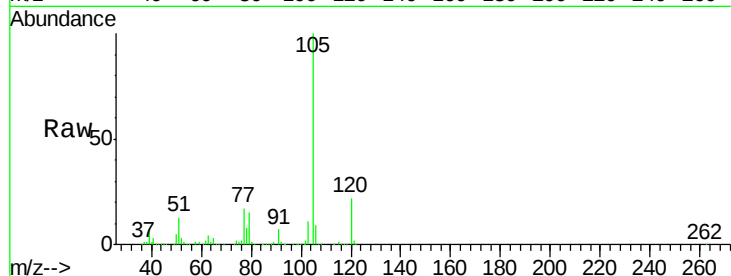
VSTDICCC050

Tot Ion:105 Resp: 2646052

Ion Ratio Lower Upper

105 100

120 22.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

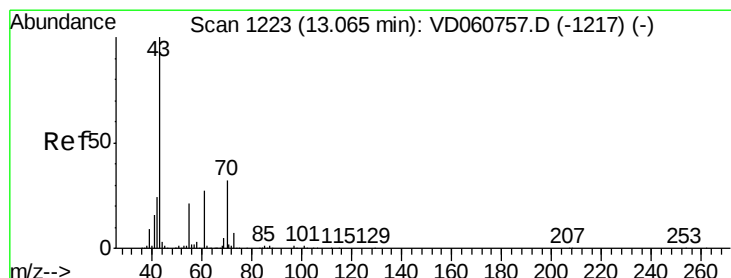
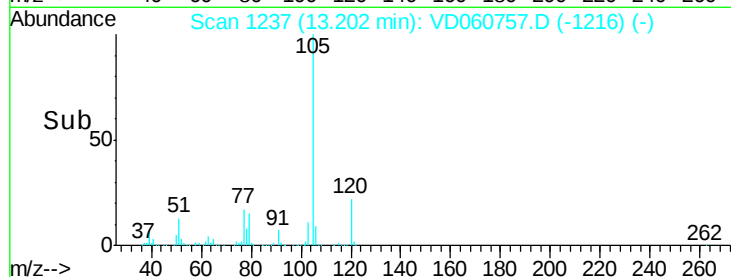
1000000

500000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 76.726 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Tgt Ion: 43 Resp: 1033649

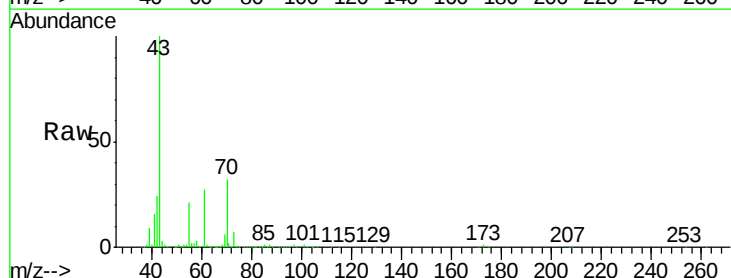
Ion Ratio Lower Upper

43 100

70 31.7 22.2 33.2

55 21.2 13.8 20.8#

61 27.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

1200000

1000000

800000

600000

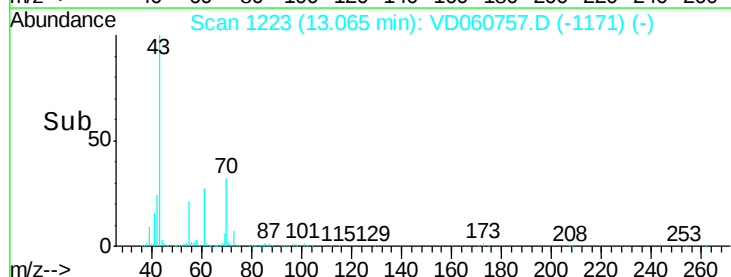
400000

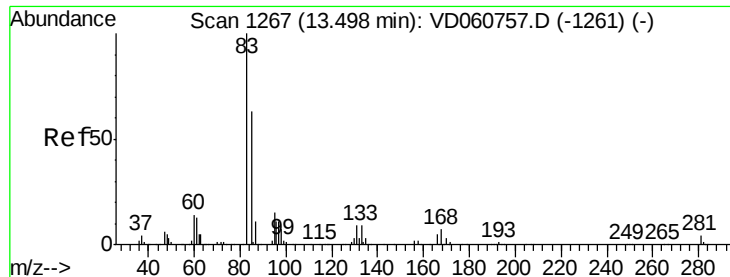
200000

0

13.00 13.10 13.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 67.094 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

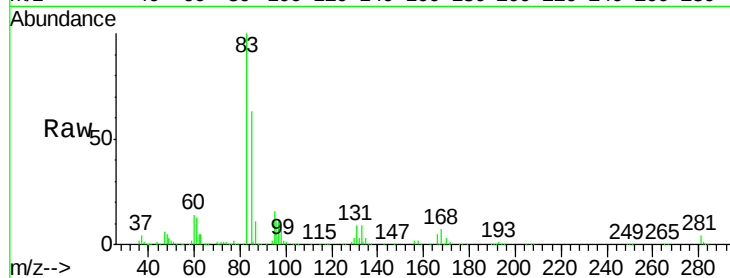
Tot Ion: 83 Resp: 620779

Ion Ratio Lower Upper

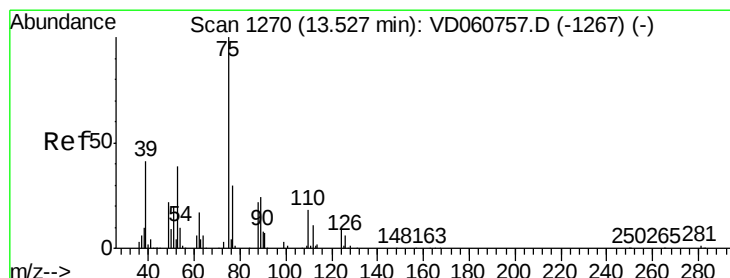
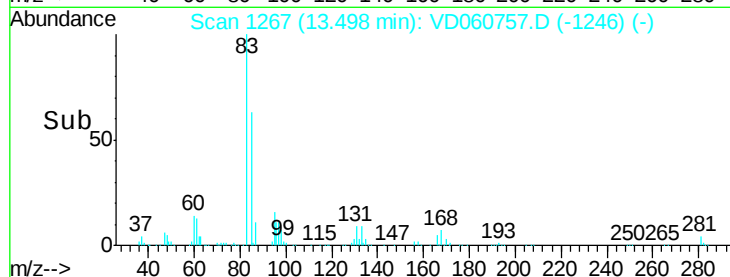
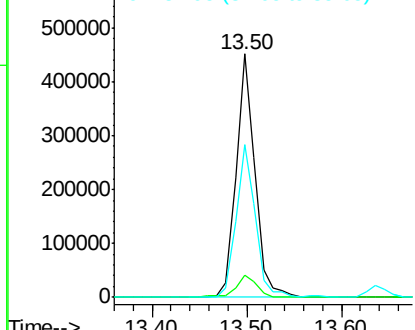
83 100

131 9.1 4.2 12.4

85 62.6 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: 77.178 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD060757.D

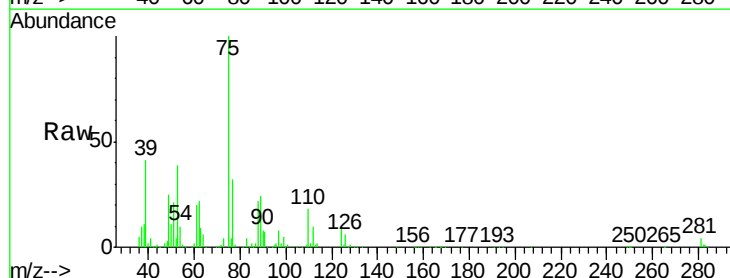
Acq: 18 Jan 2019 12:23

Tgt Ion: 75 Resp: 704443

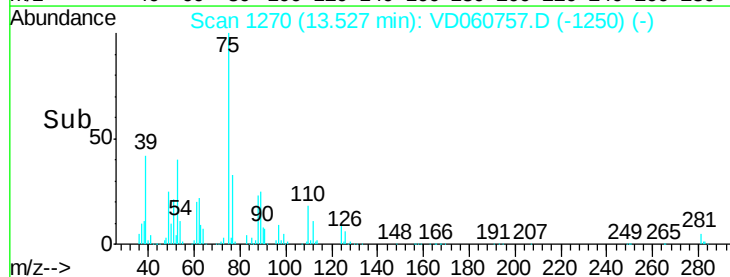
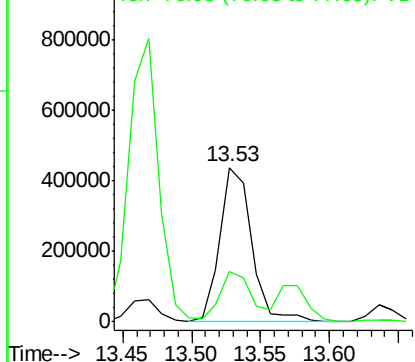
Ion Ratio Lower Upper

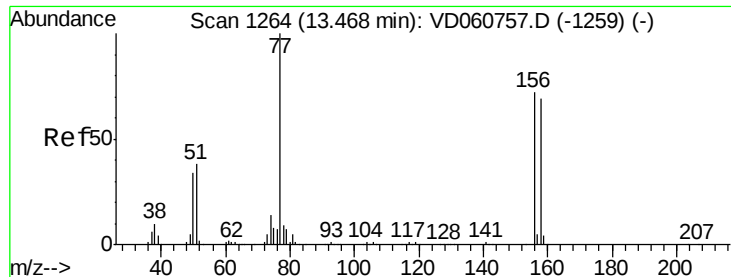
75 100

77 32.5 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: 52.911 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

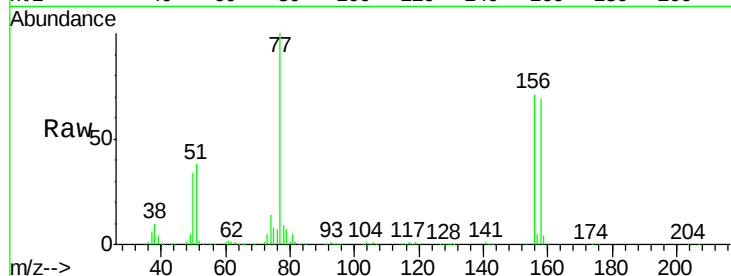
Tot Ion:156 Resp: 797384

Ion Ratio Lower Upper

156 100

77 139.9 61.3 183.9

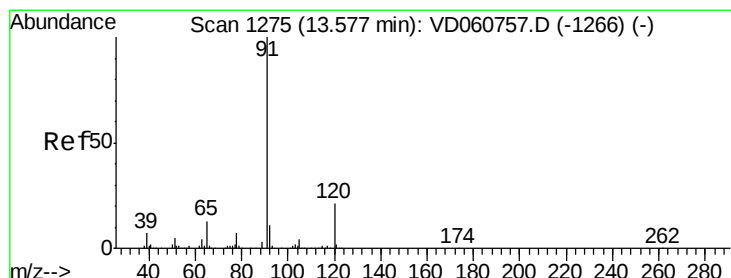
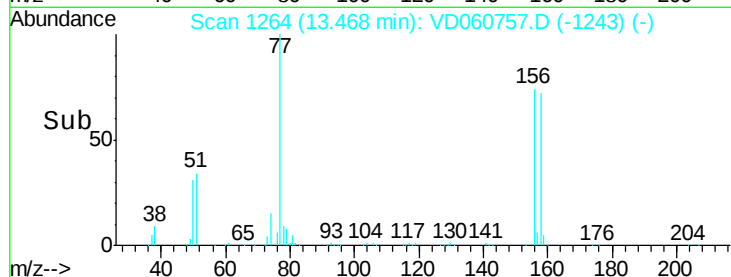
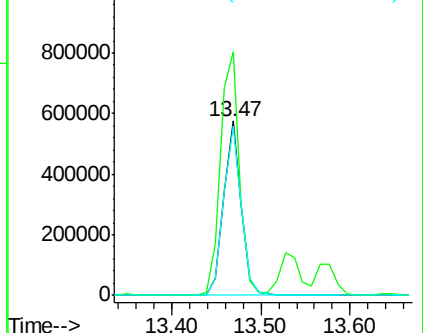
158 97.1 48.9 146.6



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: 51.265 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VD060757.D

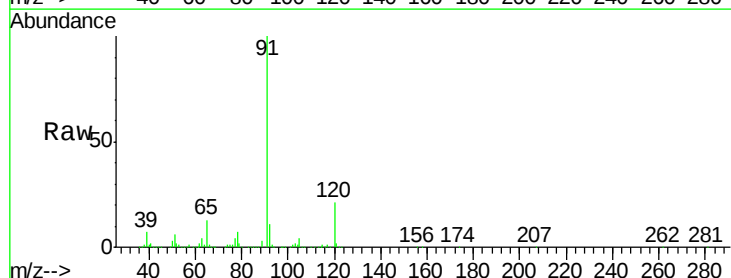
Acq: 18 Jan 2019 12:23

Tgt Ion: 91 Resp: 3741084

Ion Ratio Lower Upper

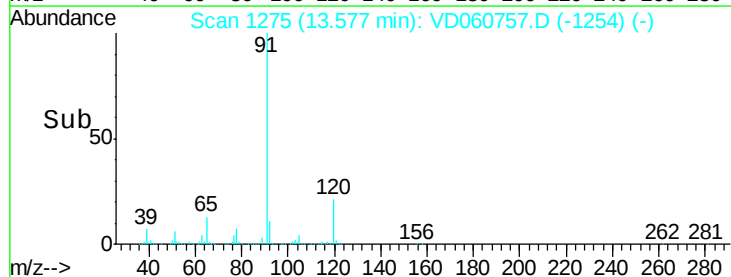
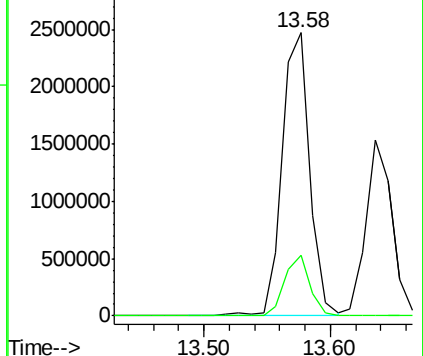
91 100

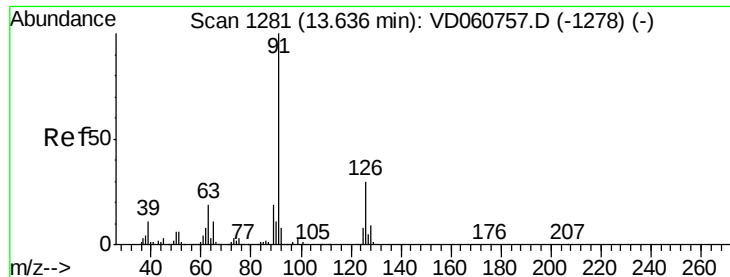
120 21.2 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

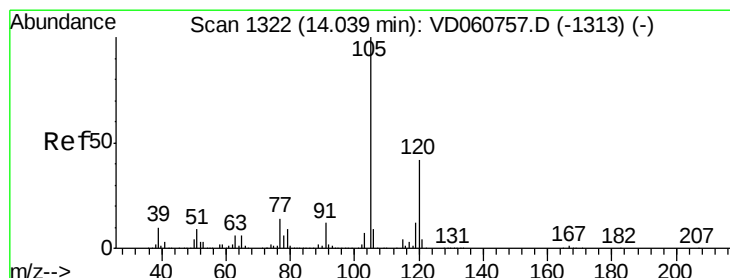
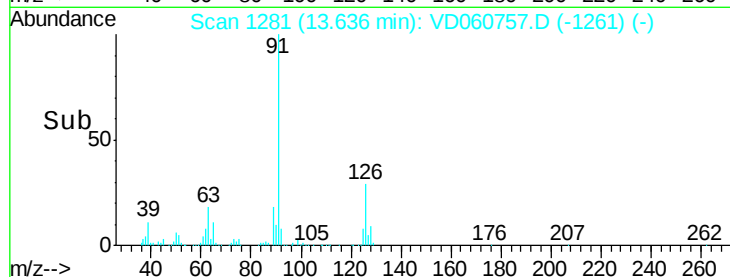
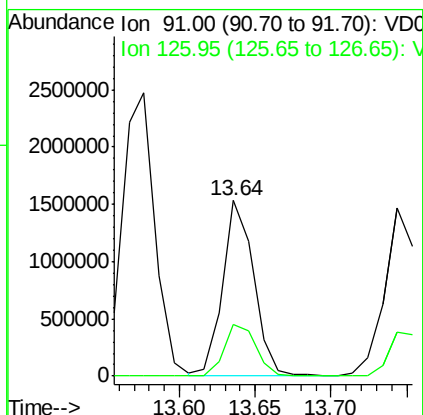
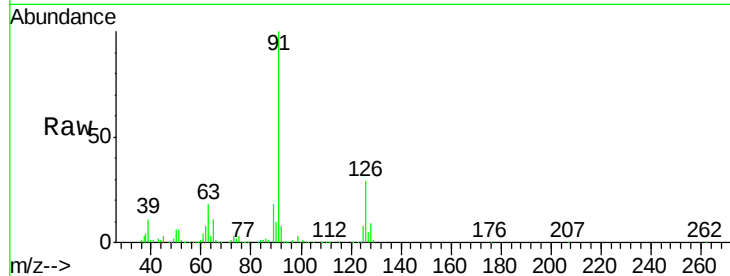




#79
 2-Chlorotoluene
 Concen: 55.406 ug/l
 RT: 13.64 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

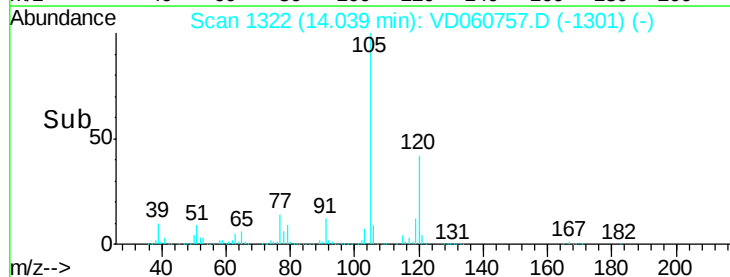
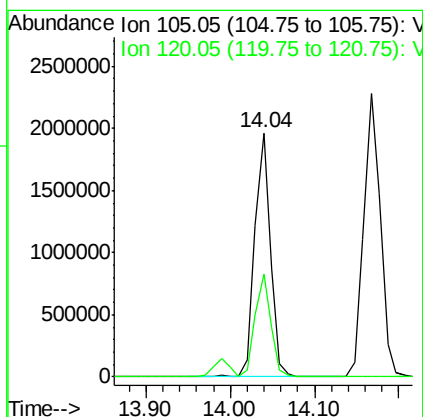
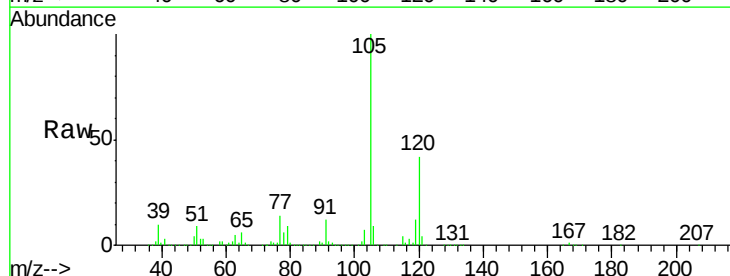
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

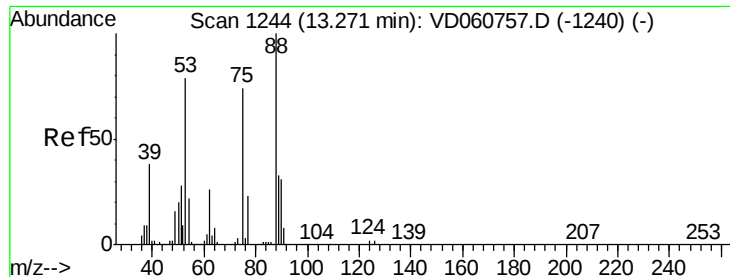
Tot Ion: 91 Resp: 2165613
 Ion Ratio Lower Upper
 91 100
 126 29.2 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 58.718 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion: 105 Resp: 2588174
 Ion Ratio Lower Upper
 105 100
 120 42.3 24.8 74.4

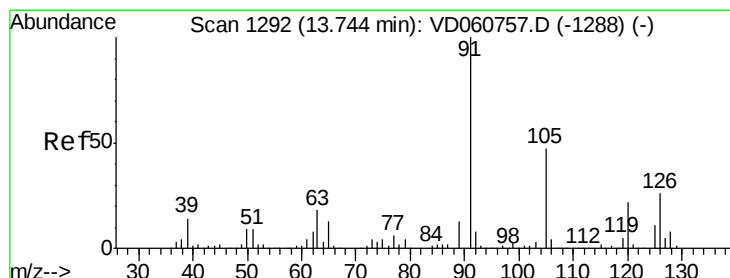
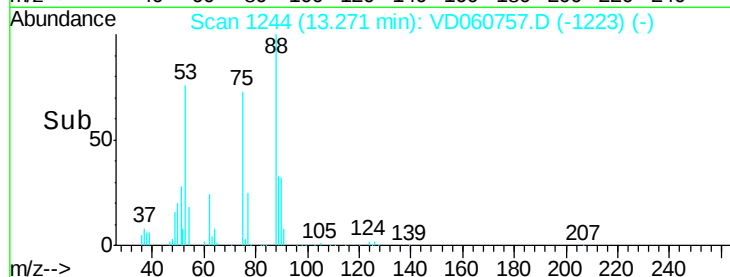
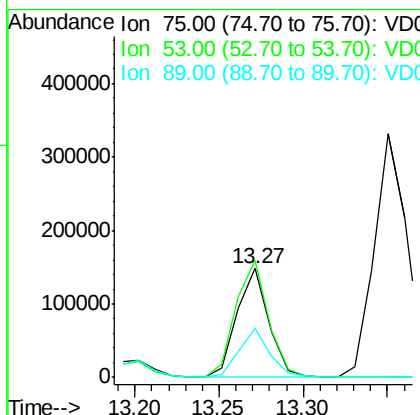
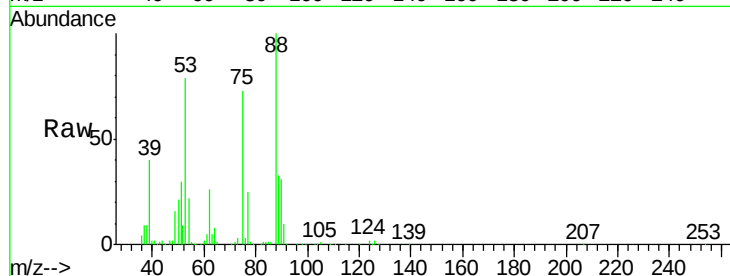




#81
trans-1,4-Dichloro-2-butene
Concen: 78.330 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

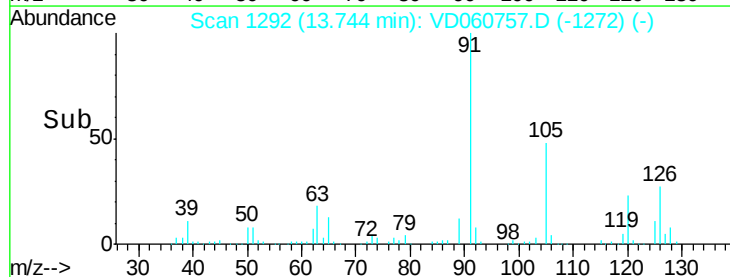
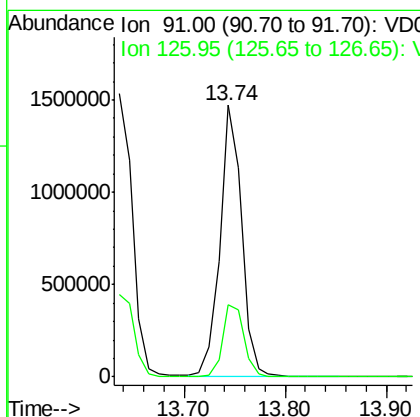
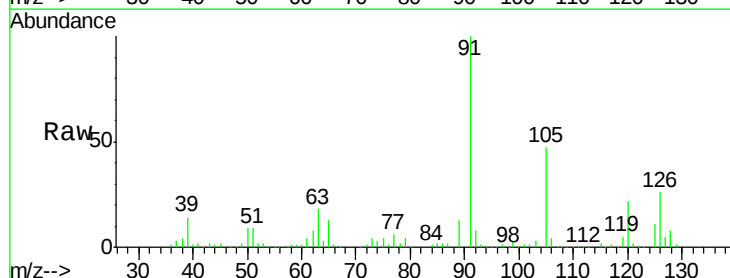
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

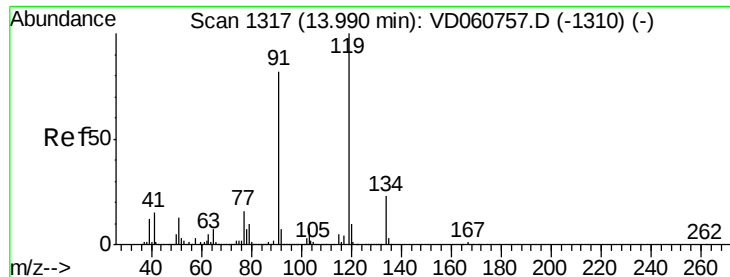
Tot Ion: 75 Resp: 197559
Ion Ratio Lower Upper
75 100
53 107.5 72.1 108.1
89 45.2 35.1 52.7



#82
4-Chlorotoluene
Concen: 49.785 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion: 91 Resp: 2205577
Ion Ratio Lower Upper
91 100
126 26.5 14.6 43.8

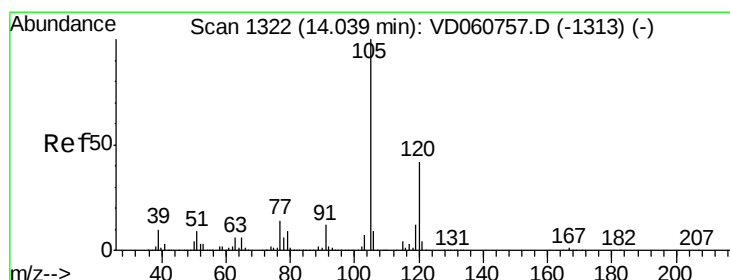
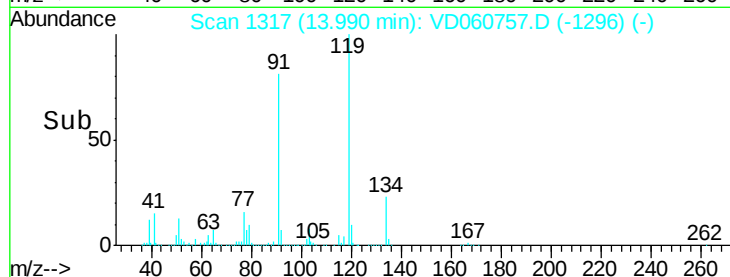
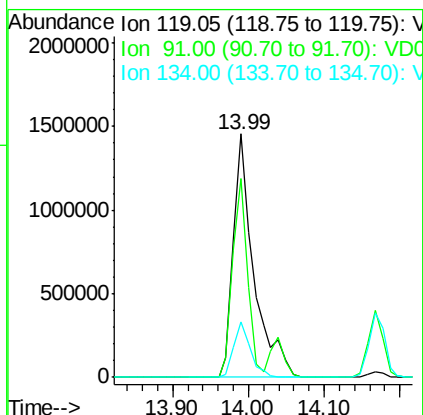
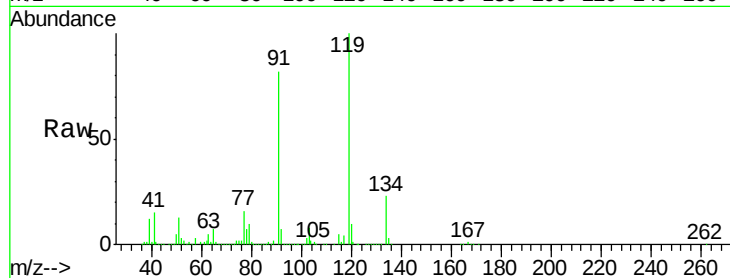




#83
tert-Butylbenzene
Concen: 53.889 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

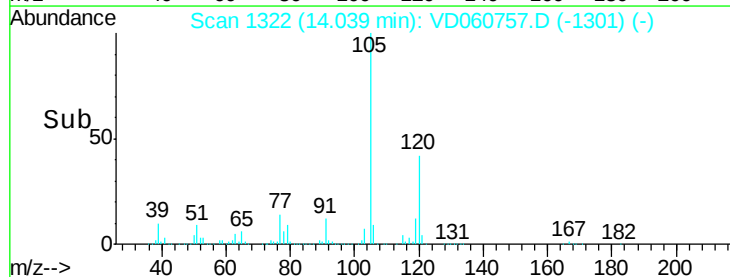
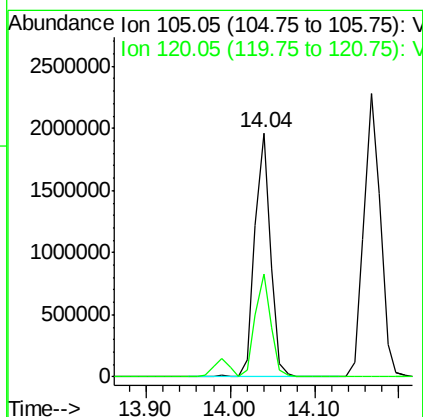
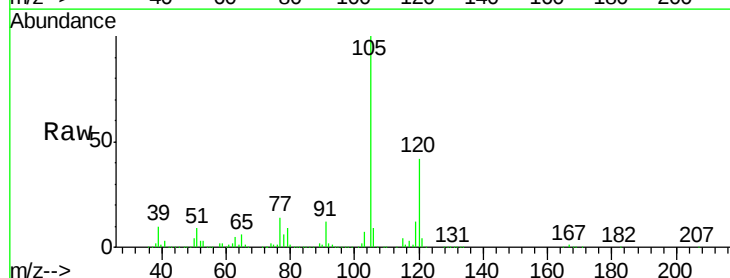
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

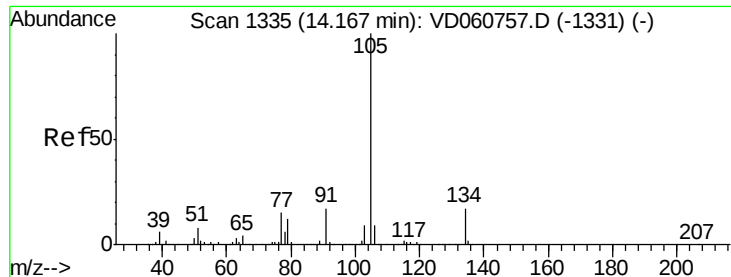
Tot Ion:119 Resp: 2703251
Ion Ratio Lower Upper
119 100
91 81.7 32.5 97.4
134 23.0 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 57.012 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.01 min
Lab File: VD060757.D
Acq: 18 Jan 2019 12:23

Tgt Ion:105 Resp: 2588174
Ion Ratio Lower Upper
105 100
120 42.3 22.4 67.0

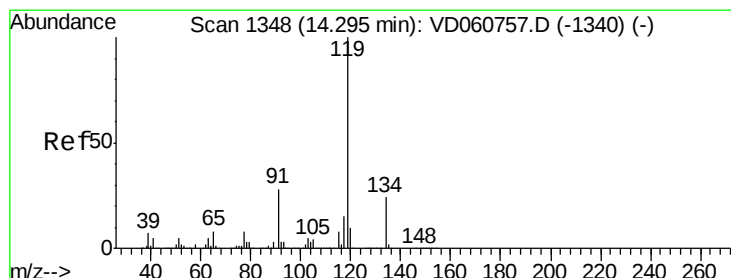
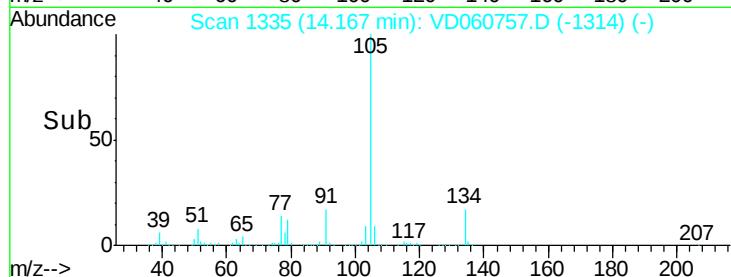
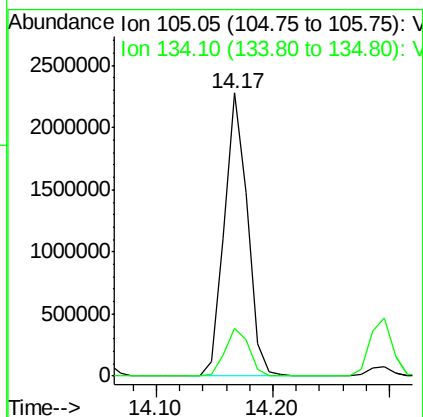
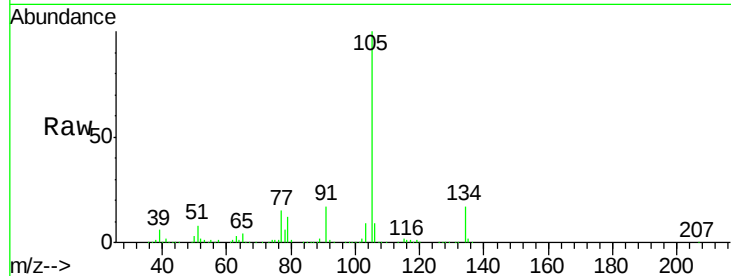




#85
 sec-Butylbenzene
 Concen: 51.035 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

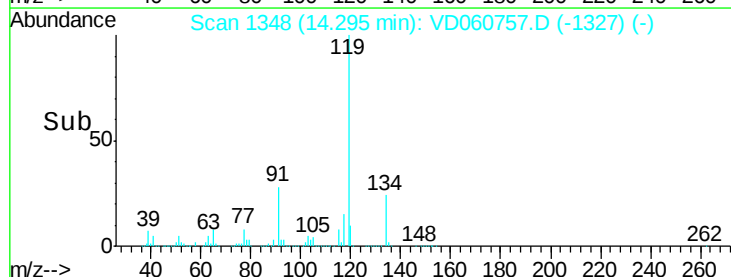
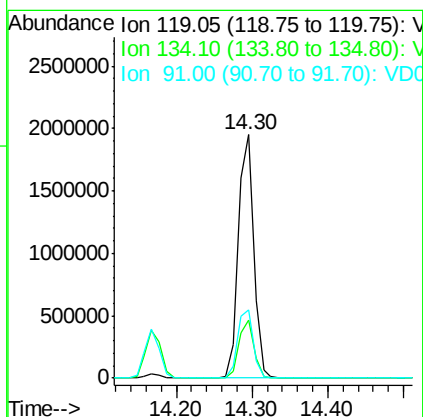
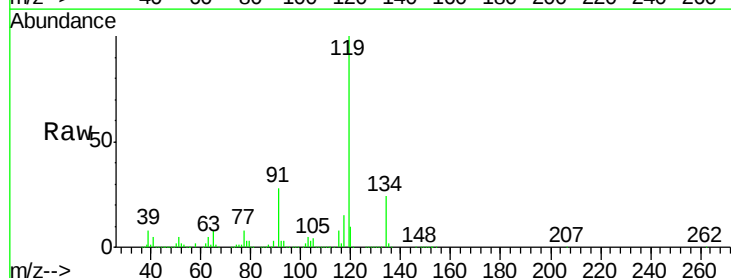
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

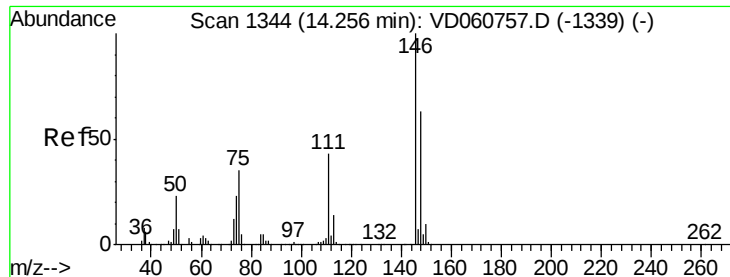
Tot Ion:105 Resp: 3122096
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 54.377 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion:119 Resp: 2685228
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.5 37.5
 91 28.1 11.4 34.2

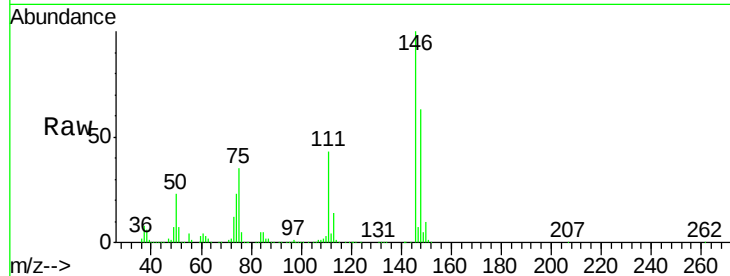




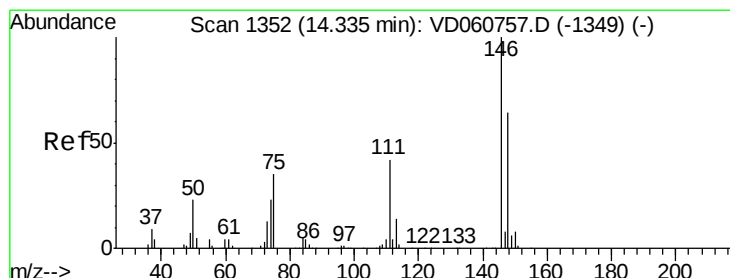
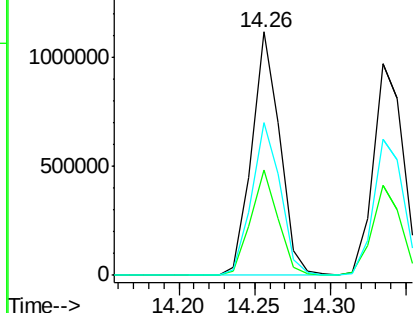
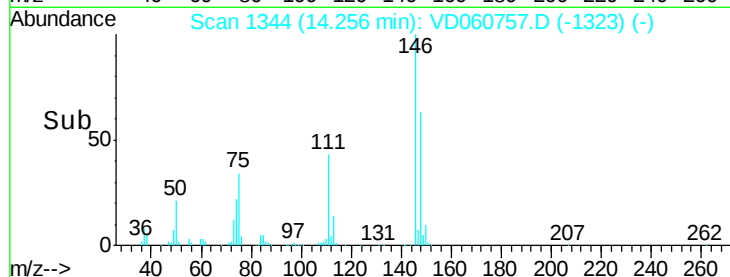
#87
 1,3-Dichlorobenzene
 Concen: 52.175 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1443422
 Ion Ratio Lower Upper
 146 100
 111 43.3 16.6 49.8
 148 62.6 32.6 97.8

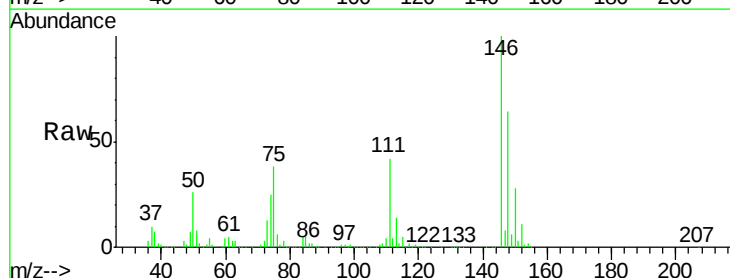


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

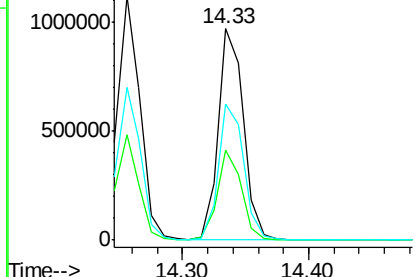
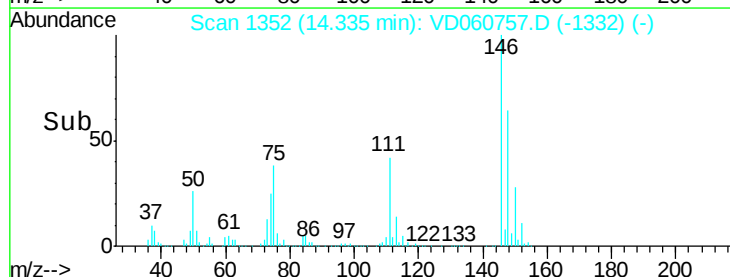


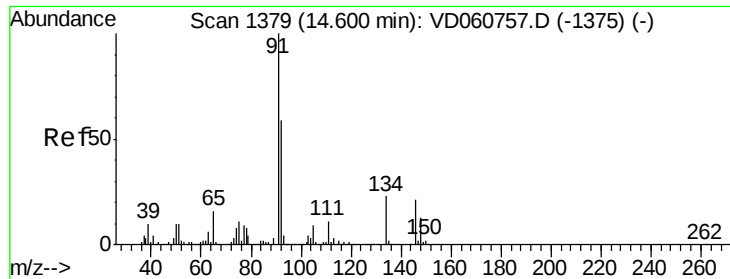
#88
 1,4-Dichlorobenzene
 Concen: 49.154 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion:146 Resp: 1339995
 Ion Ratio Lower Upper
 146 100
 111 42.4 16.2 48.5
 148 64.1 32.7 98.1



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





#89

n-Butylbenzene

Concen: 46.109 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

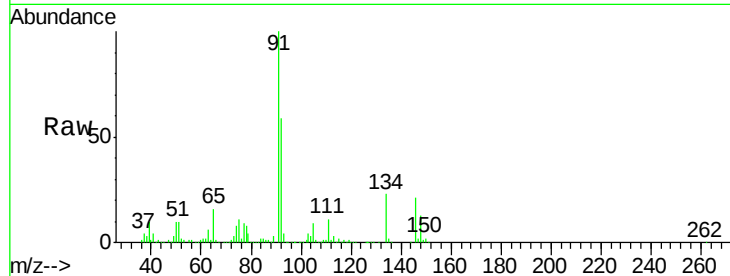
Tot Ion: 91 Resp: 2326816

Ion Ratio Lower Upper

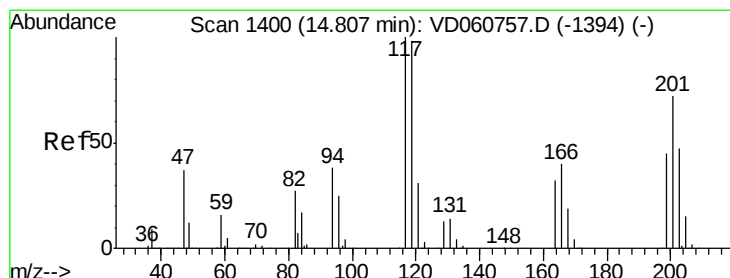
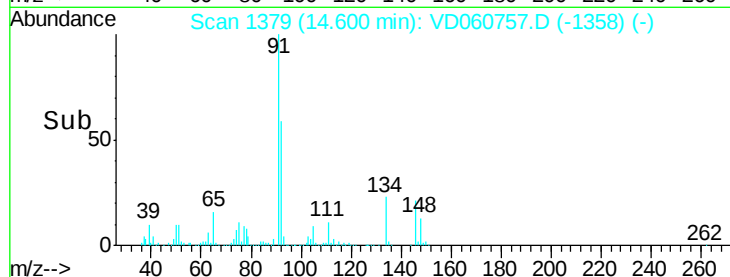
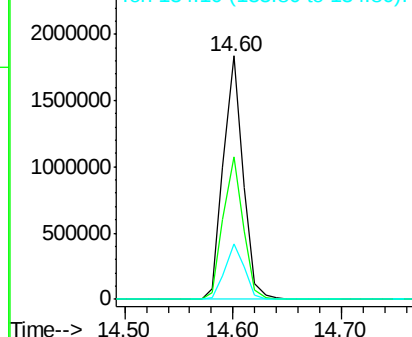
91 100

92 58.6 29.7 89.1

134 23.0 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): VDC



#90

Hexachloroethane

Concen: 55.586 ug/l

RT: 14.81 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VD060757.D

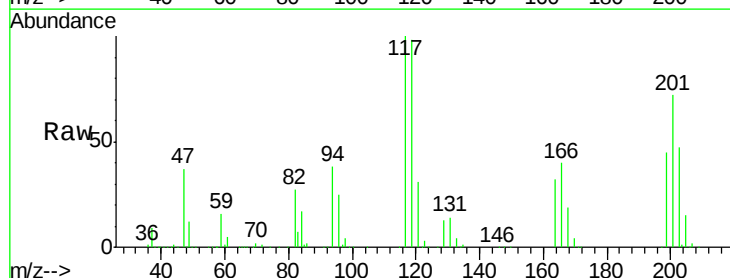
Acq: 18 Jan 2019 12:23

Tgt Ion: 117 Resp: 674342

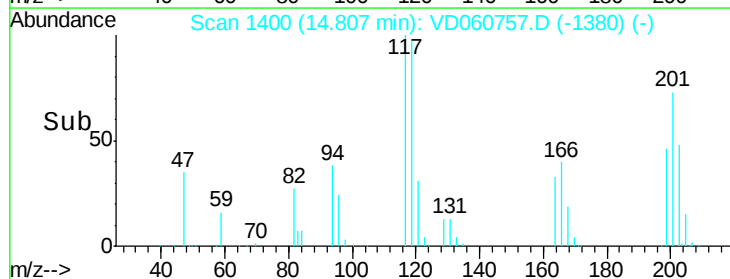
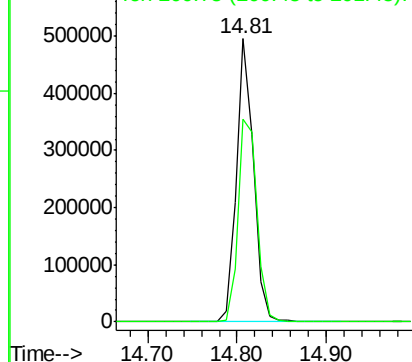
Ion Ratio Lower Upper

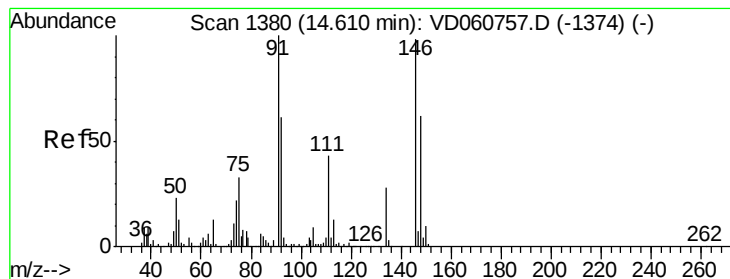
117 100

201 71.7 42.6 127.8



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





#91

1,2-Dichlorobenzene

Concen: 48.538 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

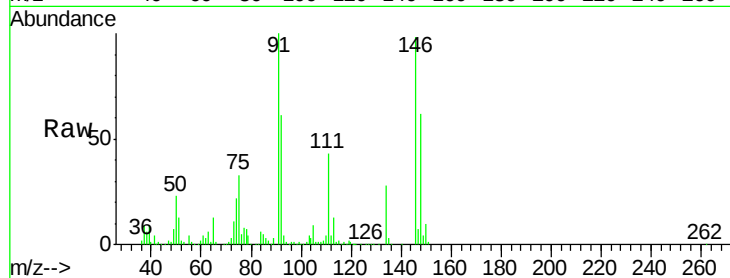
Tot Ion:146 Resp: 1077147

Ion Ratio Lower Upper

146 100

111 43.9 19.3 57.9

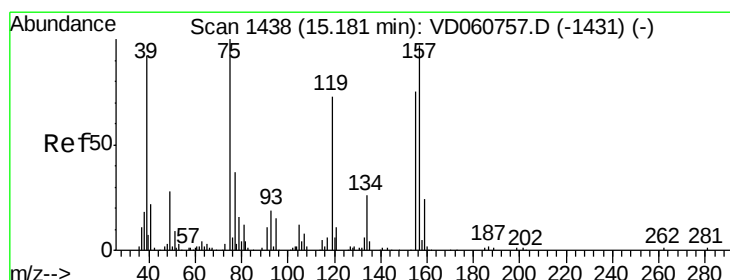
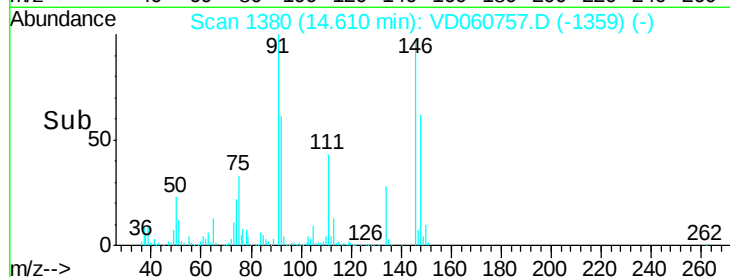
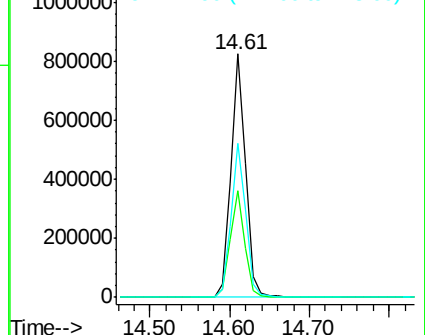
148 63.5 31.9 95.9



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: 103.143 ug/l

RT: 15.18 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

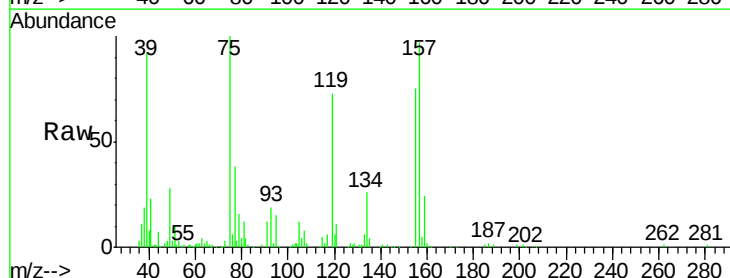
Tgt Ion: 75 Resp: 112113

Ion Ratio Lower Upper

75 100

155 75.1 41.1 123.4

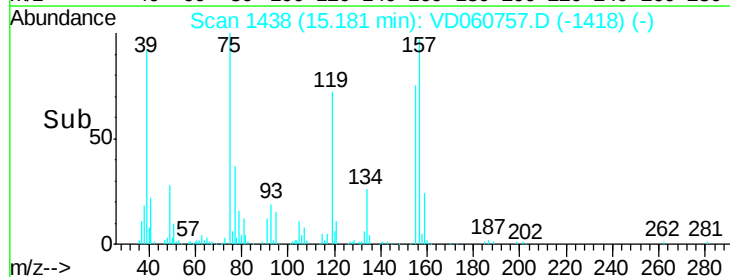
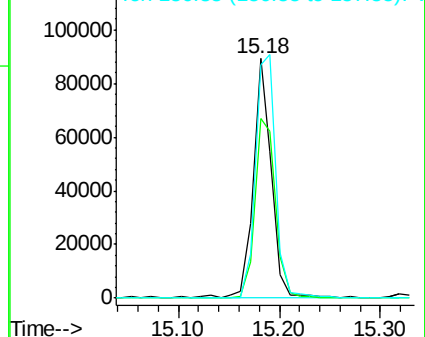
157 97.3 52.5 157.6

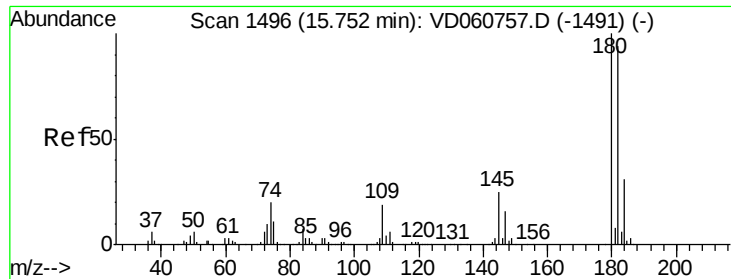


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

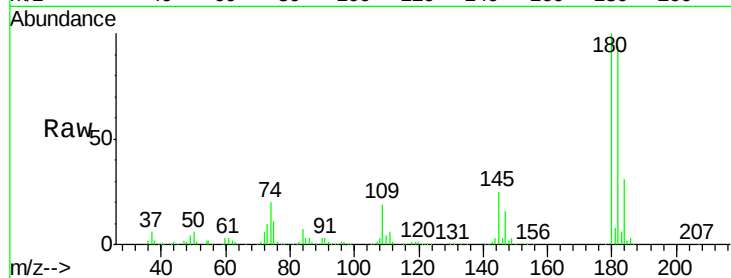




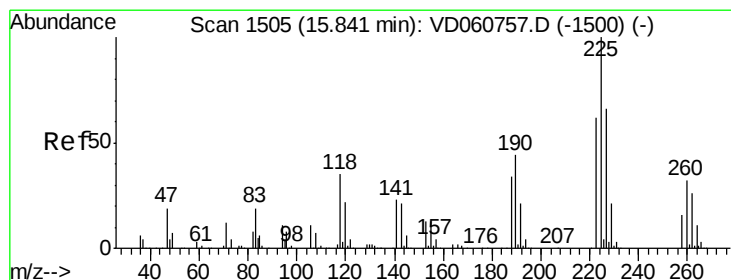
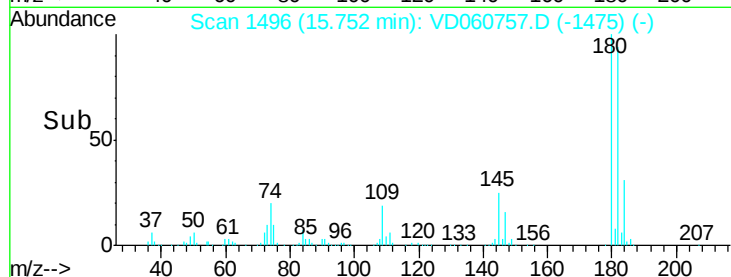
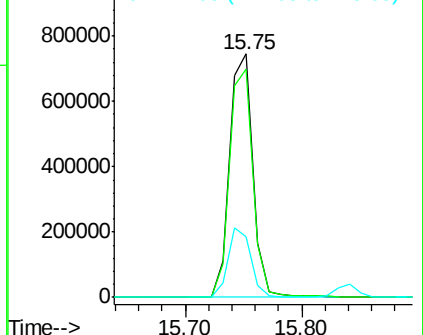
#93
 1,2,4-Trichlorobenzene
 Concen: 58.696 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 1036500
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.8 146.4
 145 24.8 11.8 35.3

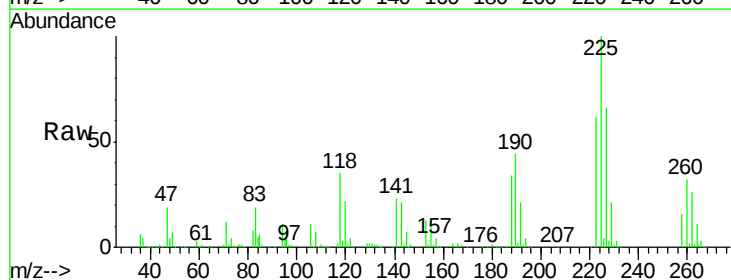


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

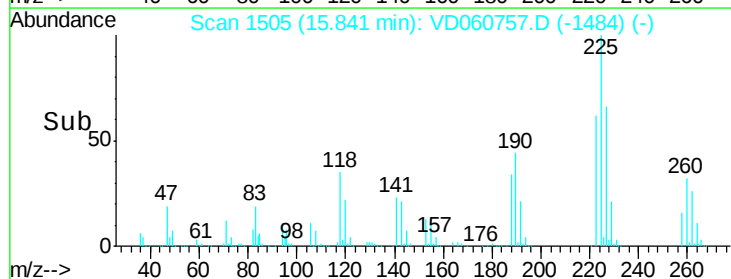
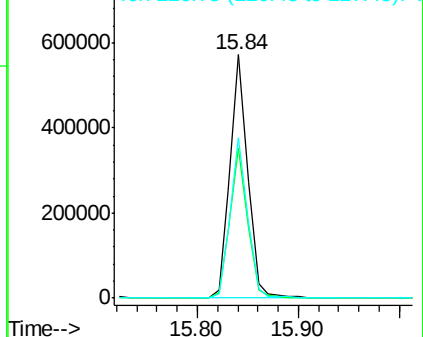


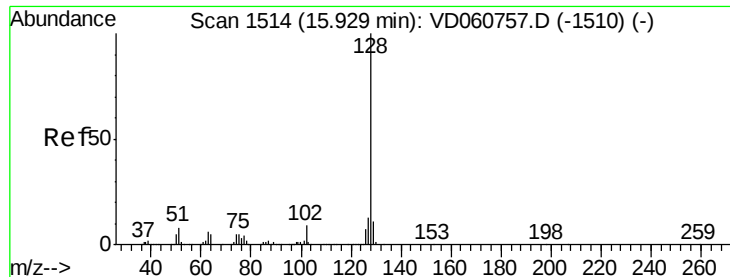
#94
 Hexachlorobutadiene
 Concen: 53.464 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060757.D
 Acq: 18 Jan 2019 12:23

Tgt Ion:225 Resp: 697841
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.3 93.8
 227 65.8 32.5 97.4



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 79.328 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Instrument :

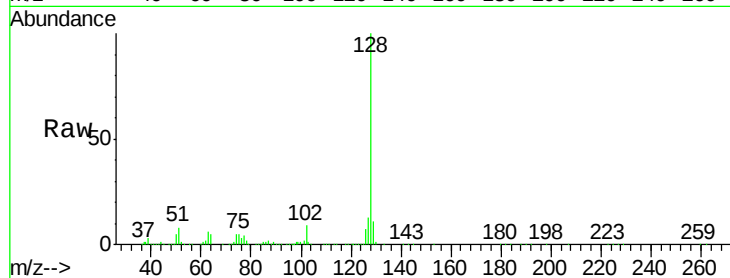
MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1664920

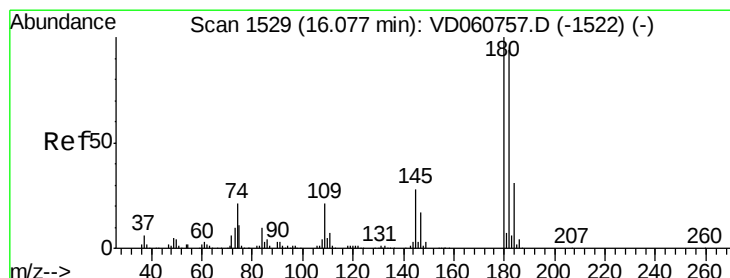
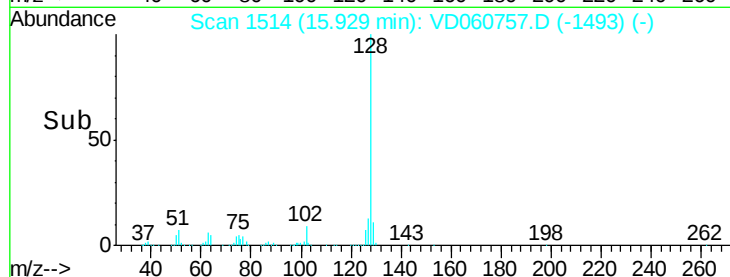
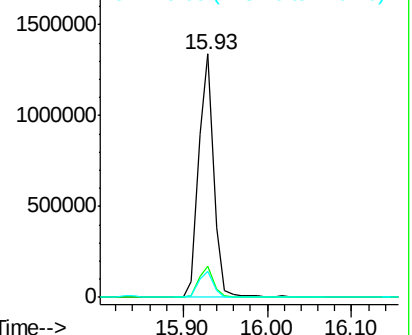
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.6	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 64.197 ug/l

RT: 16.08 min Scan# 1529

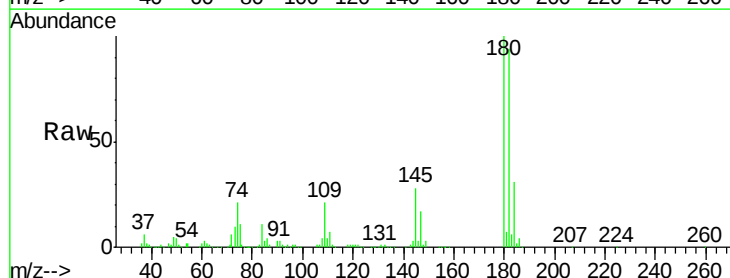
Delta R.T. 0.01 min

Lab File: VD060757.D

Acq: 18 Jan 2019 12:23

Tgt Ion:180 Resp: 886183

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.6	145.9
145	28.4	12.6	37.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

