

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060762.D
 Acq On : 18 Jan 2019 15:37
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 19 02:38:34 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	1492497	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.97	114	2219128	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1724109	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.32	152	760187	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	2486980	241.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	482.24%	
35) Dibromofluoromethane	6.68	113	2370992	145.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	291.96%	
50) Toluene-d8	10.19	98	5911515	121.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	243.96%	
62) 4-Bromofluorobenzene	13.36	95	2459804	144.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	289.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	2404523	126.087	ug/l	97
3) Chloromethane	1.76	50	1525259	86.905	ug/l	99
4) Vinyl Chloride	1.85	62	1602650	115.015	ug/l	97
5) Bromomethane	2.13	94	284838	91.256	ug/l	92
6) Chloroethane	2.24	64	272853	65.614	ug/l	99
7) Trichlorofluoromethane	2.48	101	1851598	119.467	ug/l	96
8) Diethyl Ether	2.81	74	357590	137.903	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.05	101	1185516	117.922	ug/l	91
10) Methyl Iodide	3.21	142	1525146	144.348	ug/l #	70
11) Tert butyl alcohol	3.95	59	722229	1675.494	ug/l	100
12) 1,1-Dichloroethene	3.04	96	843349	102.093	ug/l #	62
13) Acrolein	2.96	56	272285	619.867	ug/l	97
14) Allyl chloride	3.50	41	2027239	133.745	ug/l #	77
15) Acrylonitrile	4.05	53	1874373	748.988	ug/l	96
16) Acetone	3.13	43	1842197	1022.742	ug/l	92
17) Carbon Disulfide	3.28	76	3232141	122.516	ug/l	98
18) Methyl Acetate	3.52	43	701801	157.212	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	4553691	217.281	ug/l	96
20) Methylene Chloride	3.68	84	2073254	110.833	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	1953049	115.448	ug/l #	75
22) Diisopropyl ether	4.89	45	6994519	135.910	ug/l #	85
23) Vinyl Acetate	4.83	43	18498147	742.937	ug/l	100
24) 1,1-Dichloroethane	4.77	63	4364242	161.221	ug/l	96
25) 2-Butanone	5.85	43	3262877	946.642	ug/l	95
26) 2,2-Dichloropropane	5.79	77	3764699	176.185	ug/l	87
27) cis-1,2-Dichloroethene	5.80	96	2057270	119.795	ug/l	68
28) Bromochloromethane	6.20	49	1715170	149.982	ug/l	91
29) Tetrahydrofuran	6.23	42	1638115	838.346	ug/l #	85
30) Chloroform	6.42	83	4605538	169.081	ug/l	99
31) Cyclohexane	6.72	56	3257519	125.046	ug/l	98
32) 1,1,1-Trichloroethane	6.64	97	4182395	185.592	ug/l	95
36) 1,1-Dichloropropene	6.91	75	3110212	136.109	ug/l	93
37) Ethyl Acetate	5.95	43	1524509	159.519	ug/l #	95
38) Carbon Tetrachloride	6.87	117	3582155	177.690	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	3106141	119.185	ug/l #	86
40) Benzene	7.22	78	7256233	122.934	ug/l	99
41) Methacrylonitrile	6.22	41	1926439	364.425	ug/l #	80
42) 1,2-Dichloroethane	7.34	62	3524943	240.649	ug/l	91
43) Isopropyl Acetate	9.01	43	2342945	191.041	ug/l #	93
44) Trichloroethene	8.31	130	2251754	128.891	ug/l	93
45) 1,2-Dichloropropane	8.71	63	1958113	135.272	ug/l	98
46) Dibromomethane	8.83	93	1430456	173.145	ug/l	89
47) Bromodichloromethane	9.15	83	3594139	183.678	ug/l	98
48) Methyl methacrylate	8.89	41	1454352	195.247	ug/l #	88
49) 1,4-Dioxane	8.86	88	275484	3977.637	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	6448228	858.175	ug/l	91
52) Toluene	10.29	92	4150349	112.164	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	3074856	188.355	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	3400541	159.146	ug/l #	88
55) 1,1,2-Trichloroethane	10.98	97	1517788	152.451	ug/l	97
56) Ethyl methacrylate	10.83	69	1879127	203.208	ug/l	90
57) 1,3-Dichloropropane	11.19	76	2612711	165.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.64	63	4041135	741.663	ug/l	95
59) 2-Hexanone	11.32	43	4659849	885.997	ug/l	95
60) Dibromochloromethane	11.48	129	2336810	184.270	ug/l	99
61) 1,2-Dibromoethane	11.60	107	1821344	176.373	ug/l	99
64) Tetrachloroethene	11.05	164	1929919	123.501	ug/l	95
65) Chlorobenzene	12.19	112	4428347	116.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.31	131	1649173	134.653	ug/l	93
67) Ethyl Benzene	12.33	91	6383098	97.846	ug/l	97
68) m/p-Xylenes	12.46	106	4296192	180.204	ug/l	82
69) o-Xylene	12.85	106	2425644	107.242	ug/l	75
70) Styrene	12.88	104	3969445	108.965	ug/l #	88
71) Bromoform	13.03	173	1583256	195.836	ug/l	96
73) Isopropylbenzene	13.20	105	7214540	133.295	ug/l	94
74) N-amyl acetate	13.06	43	2753151	215.528	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.51	83	1665380	189.831	ug/l	98
76) 1,2,3-Trichloropropane	13.54	75	1863233	215.288	ug/l	98
77) Bromobenzene	13.47	156	2130937	149.126	ug/l	84
78) n-propylbenzene	13.58	91	8722076	126.052	ug/l	97
79) 2-Chlorotoluene	13.64	91	5470109	147.597	ug/l	92
80) 1,3,5-Trimethylbenzene	14.04	105	5518322	132.036	ug/l	82
81) trans-1,4-Dichloro-2-buten	13.27	75	605907	253.361	ug/l #	81
82) 4-Chlorotoluene	13.75	91	5048295	120.178	ug/l	97
83) tert-Butylbenzene	13.99	119	5910437	124.262	ug/l	76
84) 1,2,4-Trimethylbenzene	14.04	105	5518322	128.198	ug/l	89
85) sec-Butylbenzene	14.18	105	7208827	124.276	ug/l	98
86) p-Isopropyltoluene	14.29	119	5857492	125.097	ug/l	87
87) 1,3-Dichlorobenzene	14.26	146	3490718	133.073	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	3359518	129.969	ug/l	94
89) n-Butylbenzene	14.60	91	4753167	99.337	ug/l	97
90) Hexachloroethane	14.81	117	1815180	157.802	ug/l	78
91) 1,2-Dichlorobenzene	14.62	146	2177789	103.496	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.18	75	358643	347.977	ug/l	84

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Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration

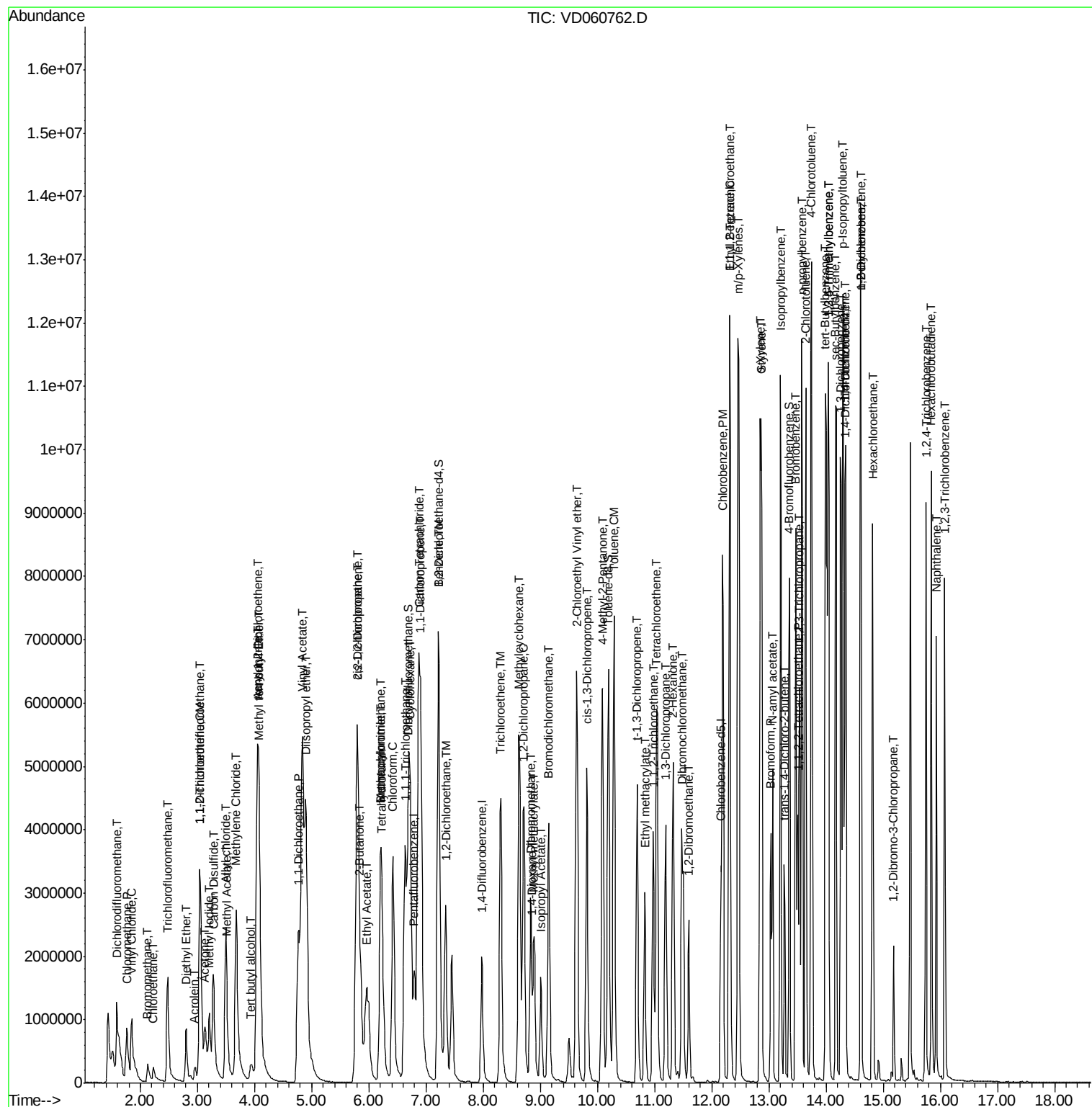
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	2482108	148.240	ug/l	97
94) Hexachlorobutadiene	15.84	225	1642047	132.677	ug/l	100
95) Naphthalene	15.93	128	4085613	205.302	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	2016776	154.082	ug/l	97

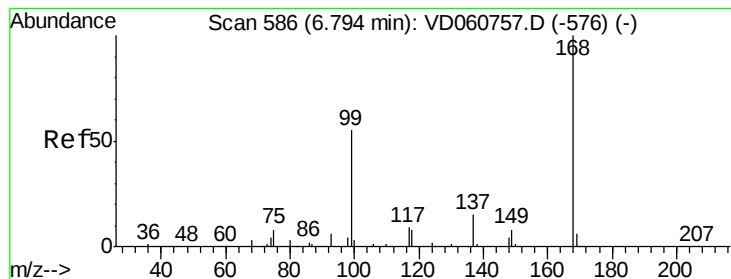
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD011819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

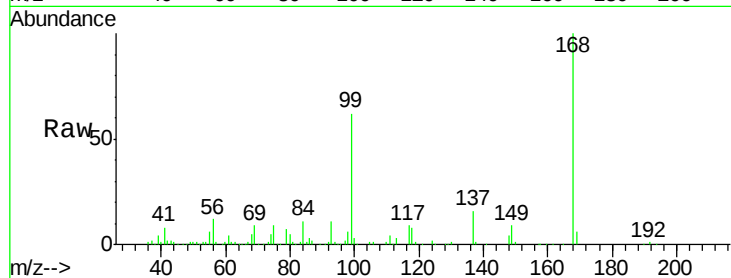
VSTDIC150

Tot Ion:168 Resp: 1492497

Ion Ratio Lower Upper

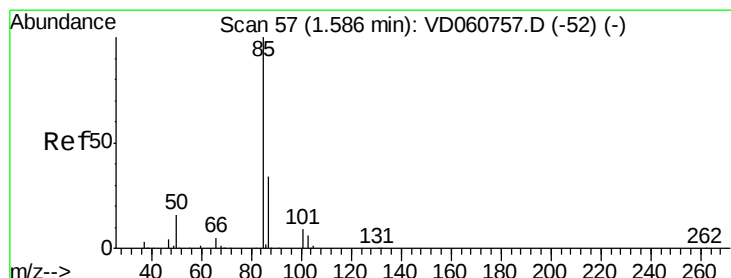
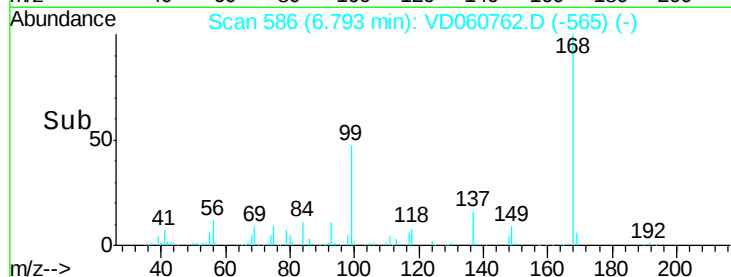
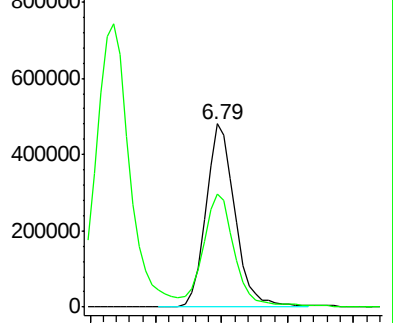
168 100

99 62.0 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: 126.087 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060762.D

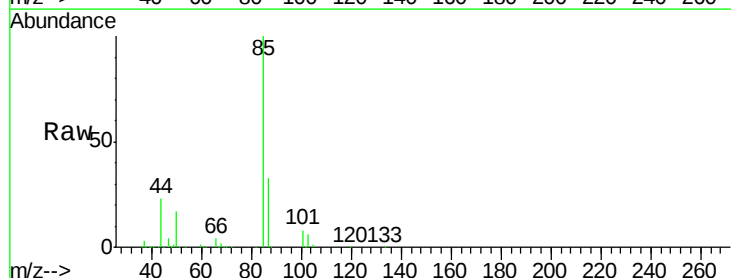
Acq: 18 Jan 2019 15:37

Tgt Ion: 85 Resp: 2404523

Ion Ratio Lower Upper

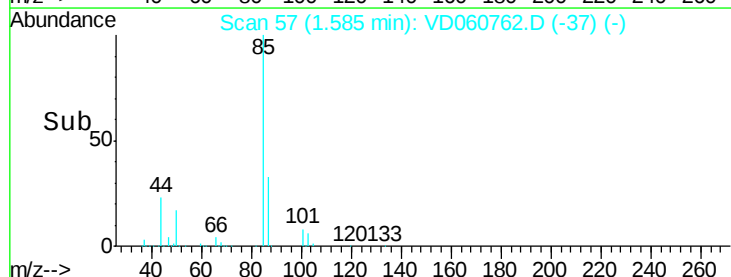
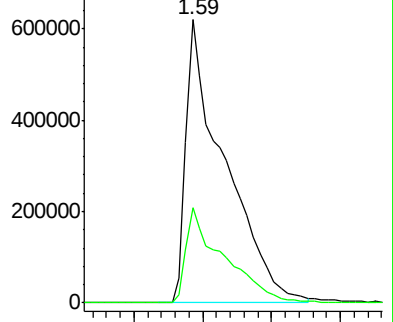
85 100

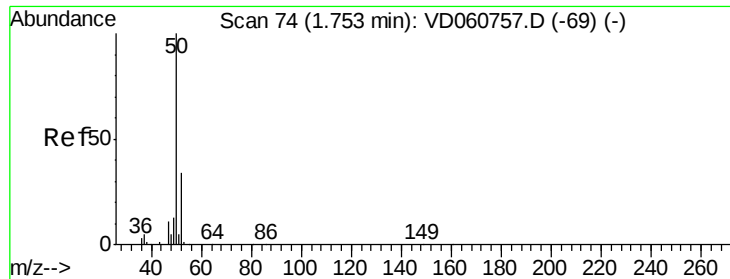
87 33.4 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 86.905 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

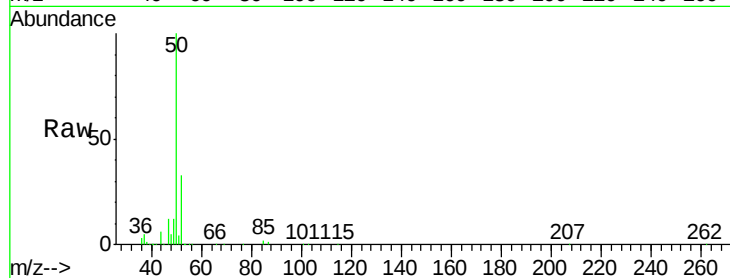
VSTDIC150

Tot Ion: 50 Resp: 1525259

Ion Ratio Lower Upper

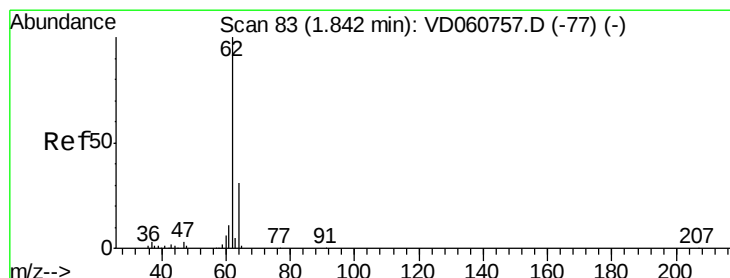
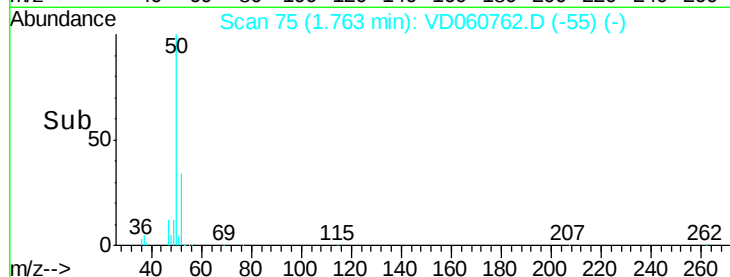
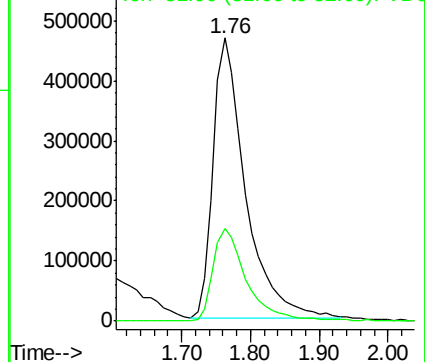
50 100

52 32.9 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: 115.015 ug/l

RT: 1.85 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD060762.D

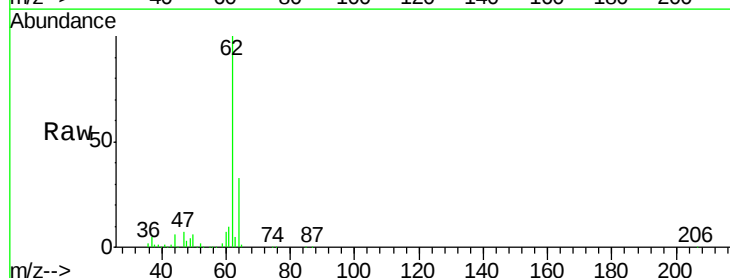
Acq: 18 Jan 2019 15:37

Tgt Ion: 62 Resp: 1602650

Ion Ratio Lower Upper

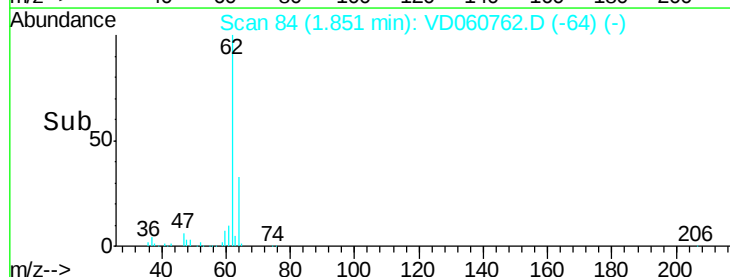
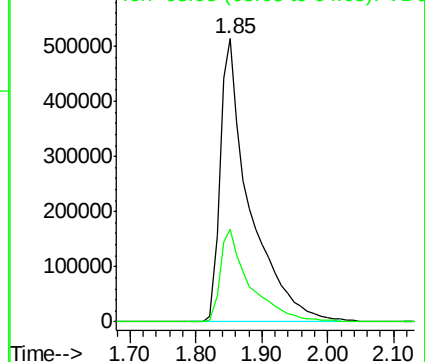
62 100

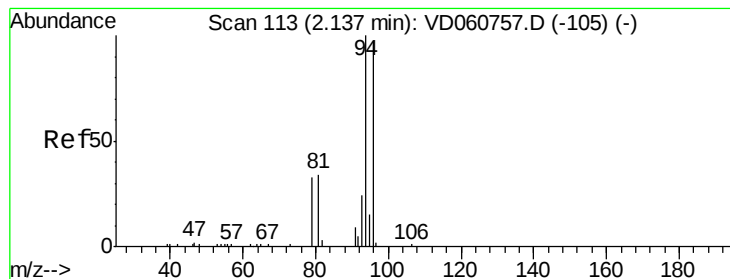
64 32.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 91.256 ug/l

RT: 2.13 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

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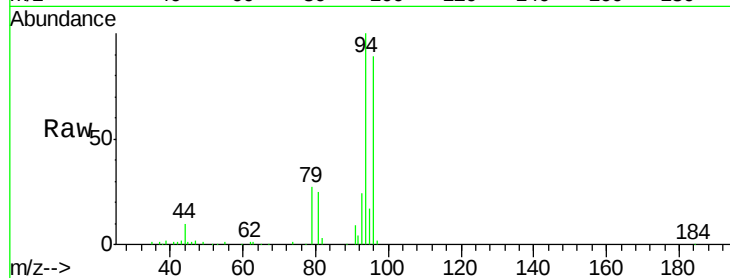
VSTDIC150

Tot Ion: 94 Resp: 284838

Ion Ratio Lower Upper

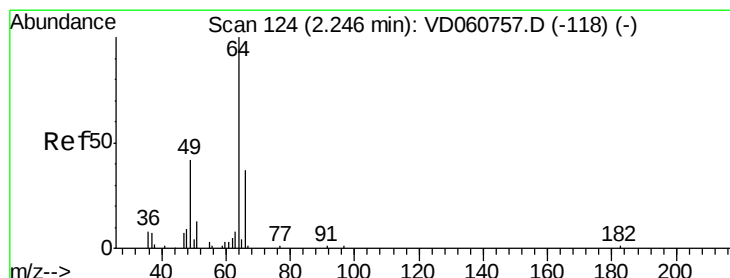
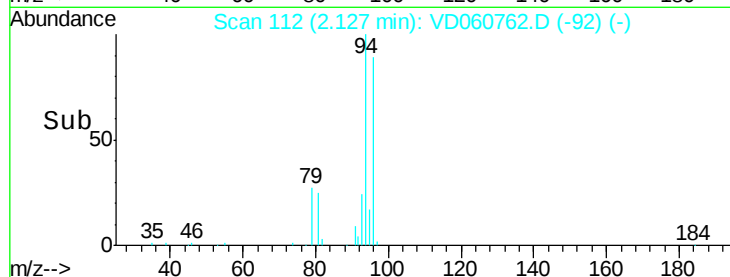
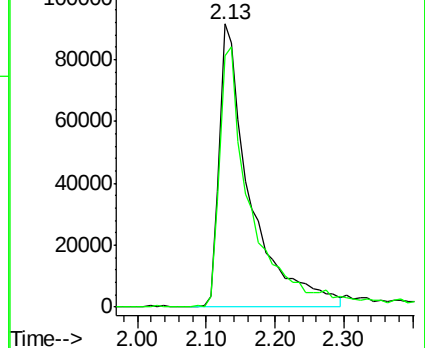
94 100

96 88.7 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: 65.614 ug/l

RT: 2.24 min Scan# 123

Delta R.T. 0.00 min

Lab File: VD060762.D

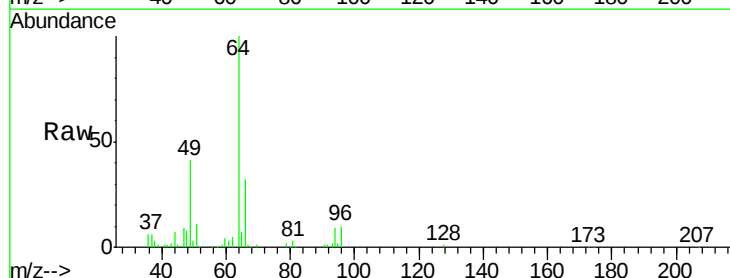
Acq: 18 Jan 2019 15:37

Tgt Ion: 64 Resp: 272853

Ion Ratio Lower Upper

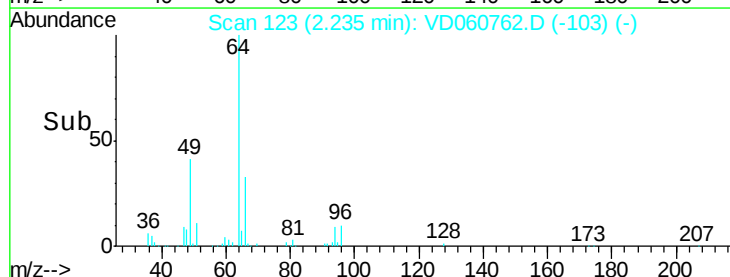
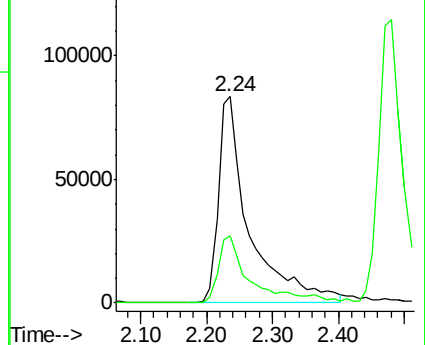
64 100

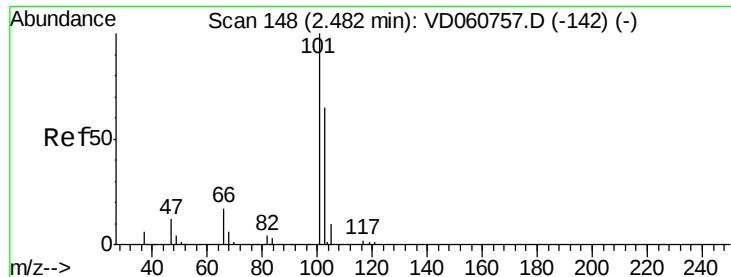
66 32.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



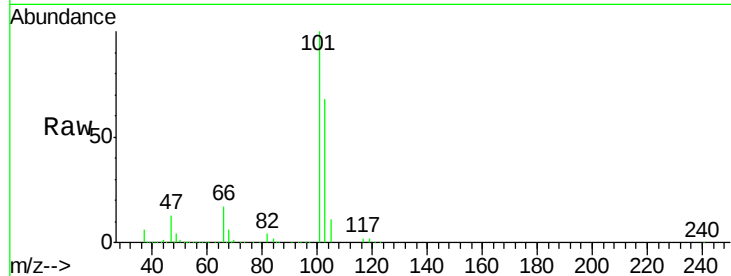


#7

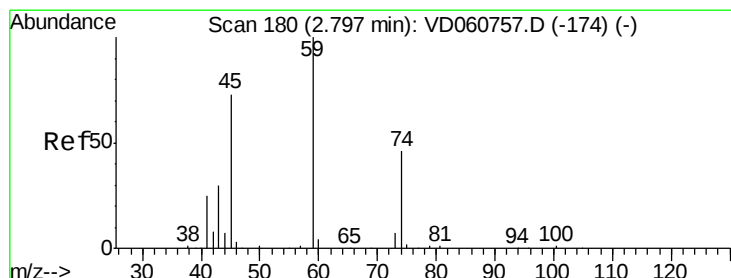
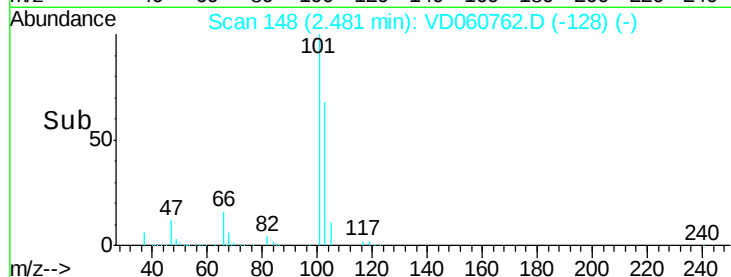
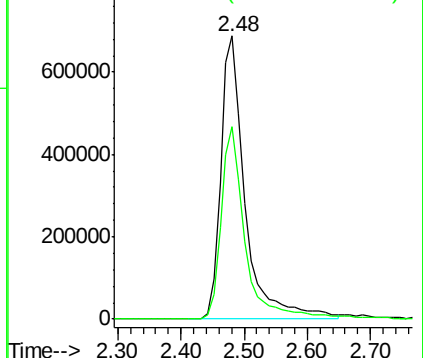
Trichlorofluoromethane
 Concen: 119.467 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060762.D
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Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1851598
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.9 77.9



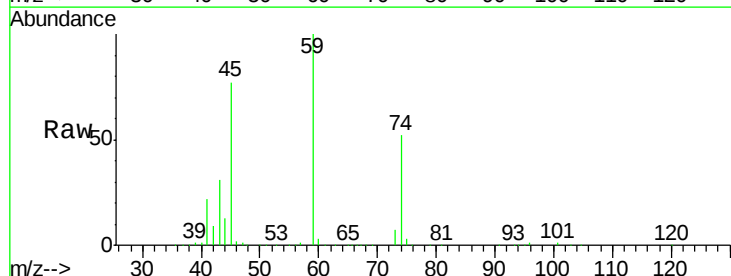
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



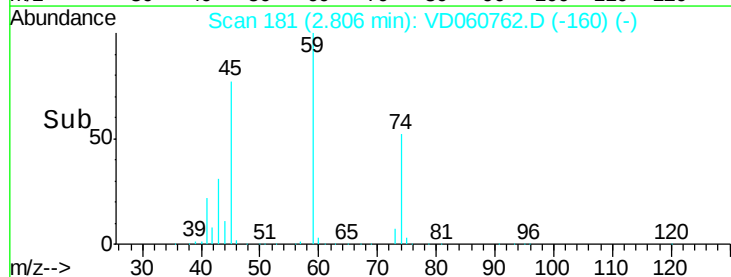
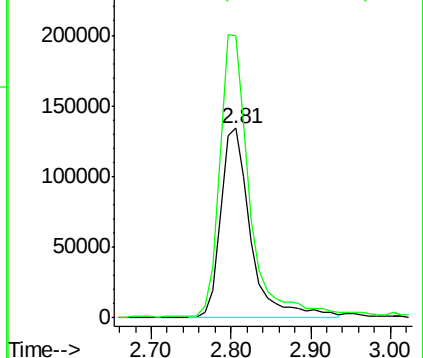
#8

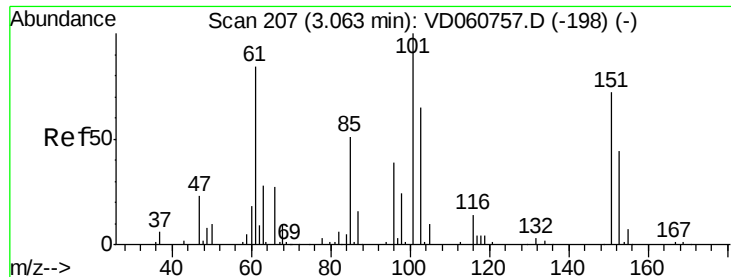
Diethyl Ether
 Concen: 137.903 ug/l
 RT: 2.81 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion: 74 Resp: 357590
 Ion Ratio Lower Upper
 74 100
 45 148.9 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: 117.922 ug/l

RT: 3.05 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

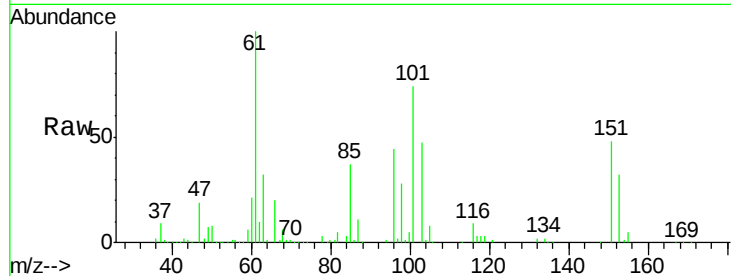
Tot Ion:101 Resp: 1185516

Ion Ratio Lower Upper

101 100

85 49.4 33.4 50.0

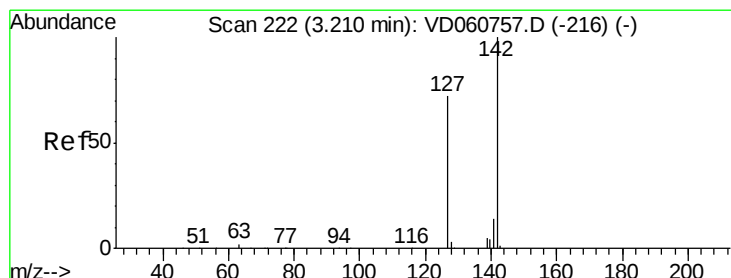
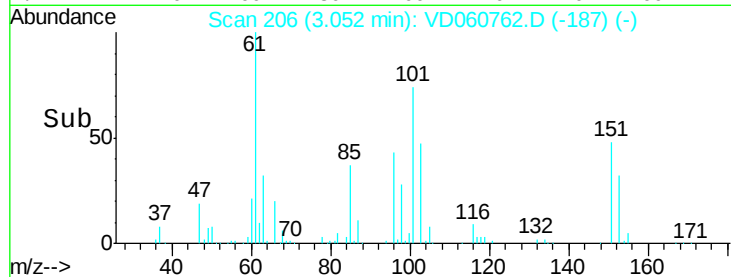
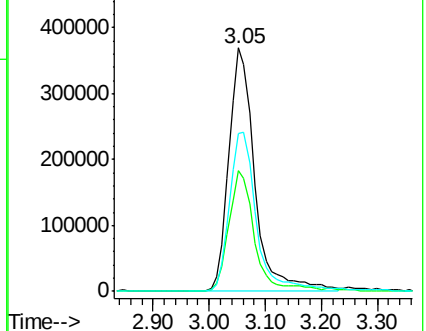
151 64.6 47.5 71.3



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: 144.348 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

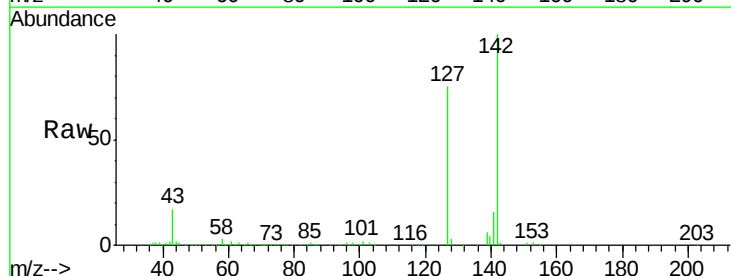
Tgt Ion:142 Resp: 1525146

Ion Ratio Lower Upper

142 100

127 74.7 39.5 59.3#

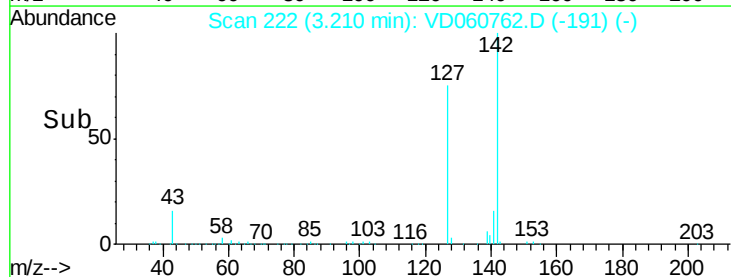
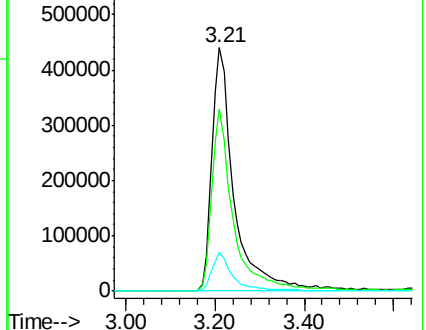
141 16.1 11.3 16.9

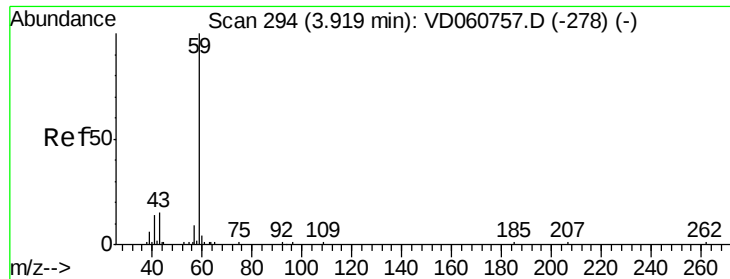


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

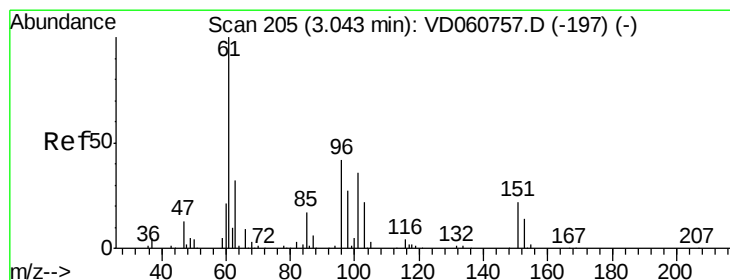
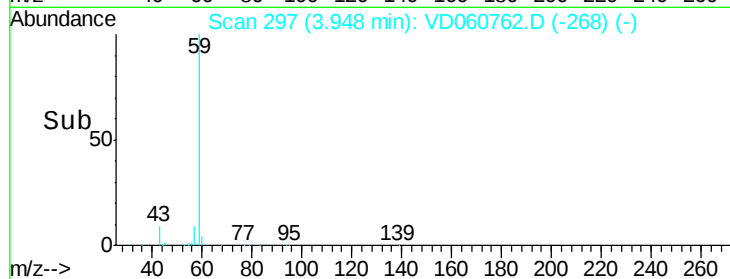
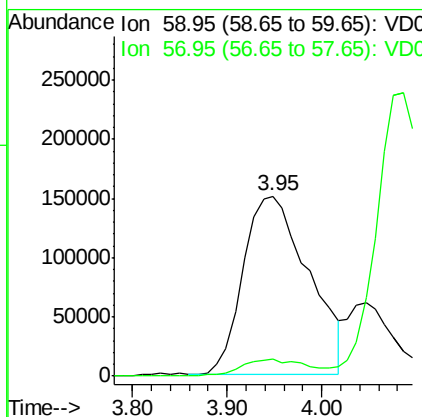
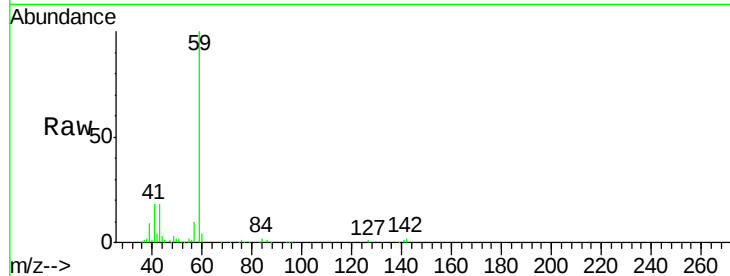




#11
Tert butyl alcohol
Concen: 1675.494 ug/l
RT: 3.95 min Scan# 297
Delta R.T. 0.09 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

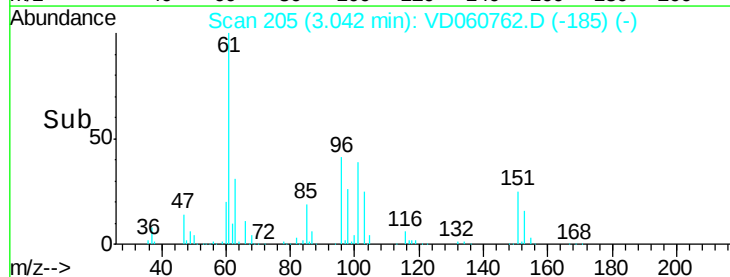
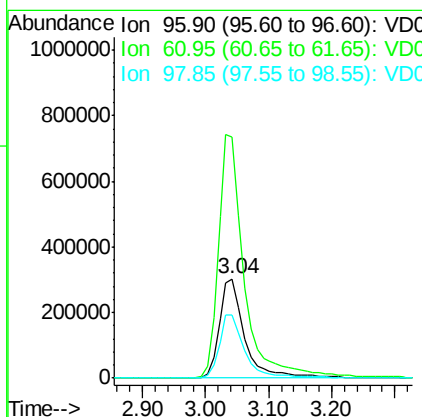
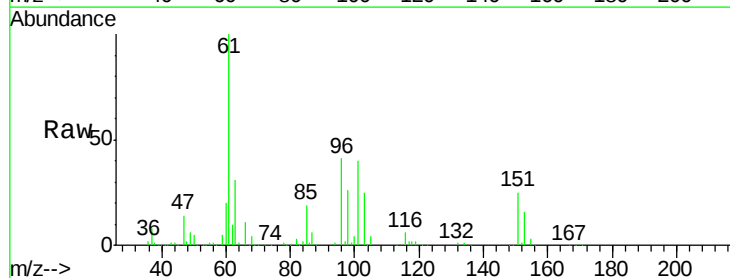
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

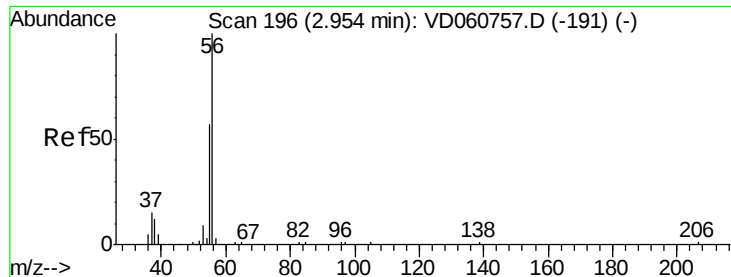
Tot Ion: 59 Resp: 722229
Ion Ratio Lower Upper
59 100
57 9.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 102.093 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 96 Resp: 843349
Ion Ratio Lower Upper
96 100
61 242.4 136.2 204.4#
98 63.9 50.7 76.1





#13

Acrolein

Concen: 619.867 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

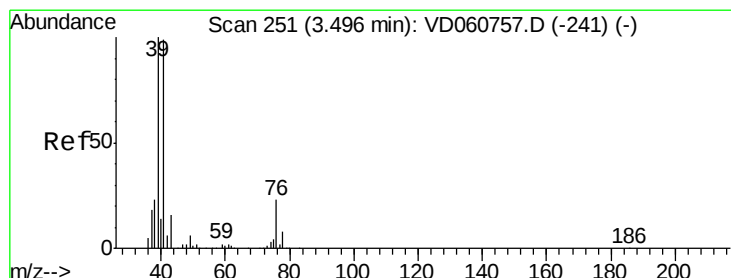
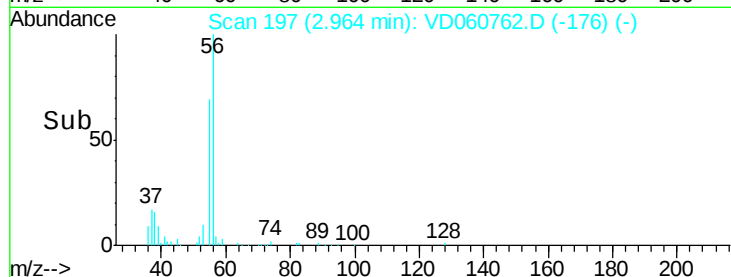
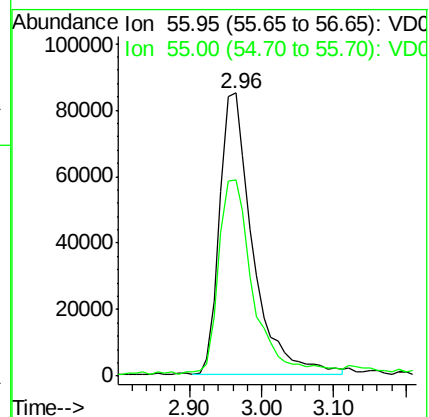
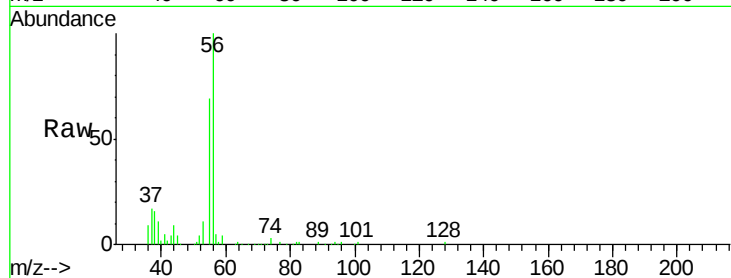
VSTDIC150

Tot Ion: 56 Resp: 272285

Ion Ratio Lower Upper

56 100

55 69.3 57.7 86.5



#14

Allyl chloride

Concen: 133.745 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

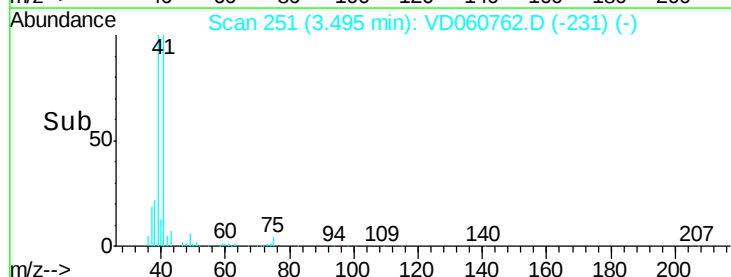
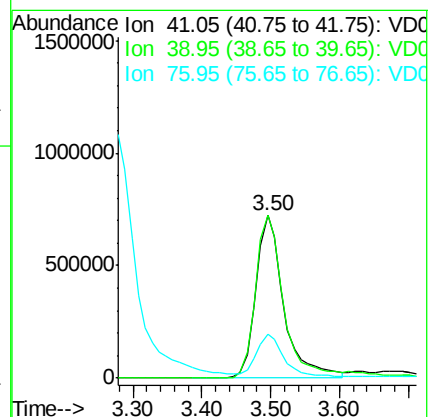
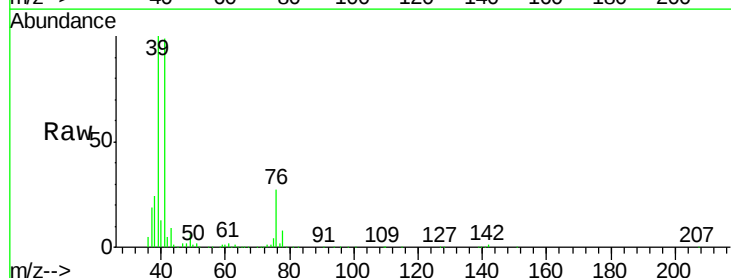
Tgt Ion: 41 Resp: 2027239

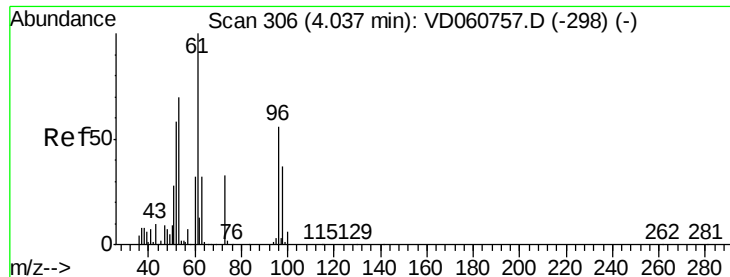
Ion Ratio Lower Upper

41 100

39 100.5 59.6 89.4#

76 27.3 21.8 32.6





#15

Acrylonitrile

Concen: 748.988 ug/l

RT: 4.05 min Scan# 307

Delta R.T. 0.03 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

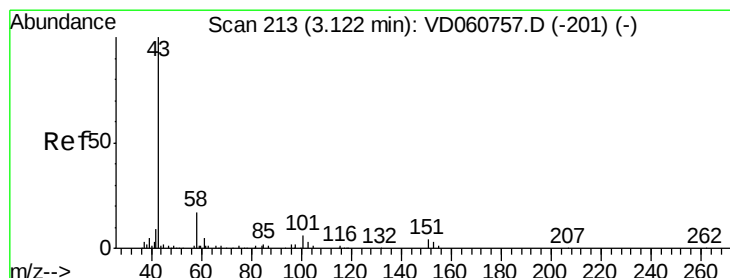
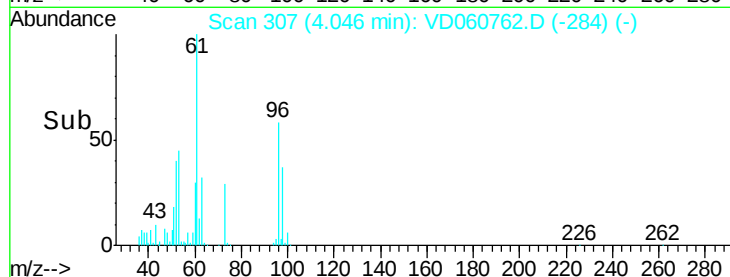
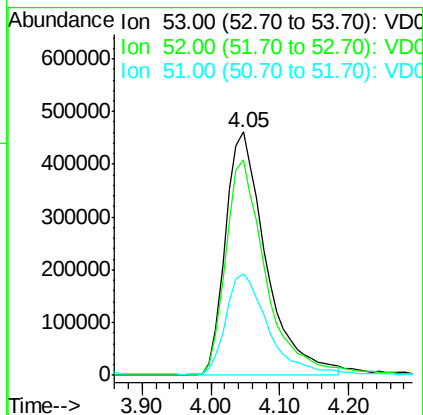
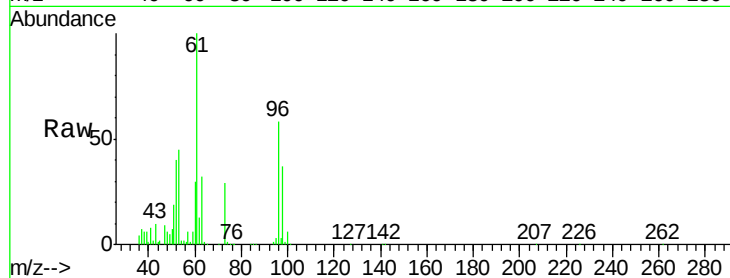
Tot Ion: 53 Resp: 1874373

Ion Ratio Lower Upper

53 100

52 88.7 66.7 100.1

51 41.8 32.7 49.1



#16

Acetone

Concen: 1022.742 ug/l

RT: 3.13 min Scan# 214

Delta R.T. 0.02 min

Lab File: VD060762.D

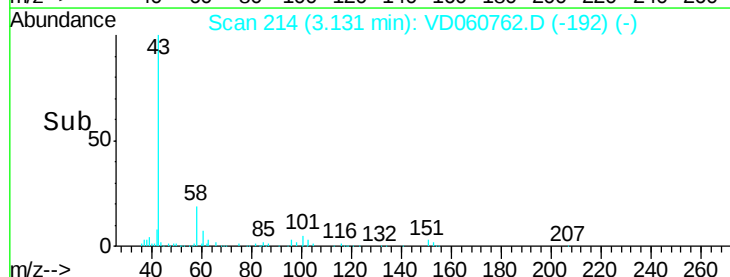
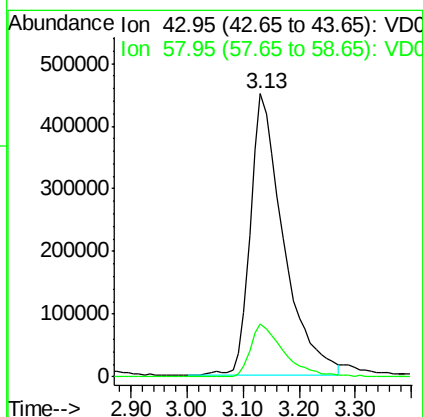
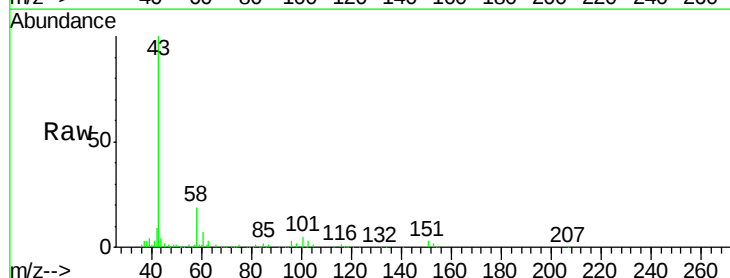
Acq: 18 Jan 2019 15:37

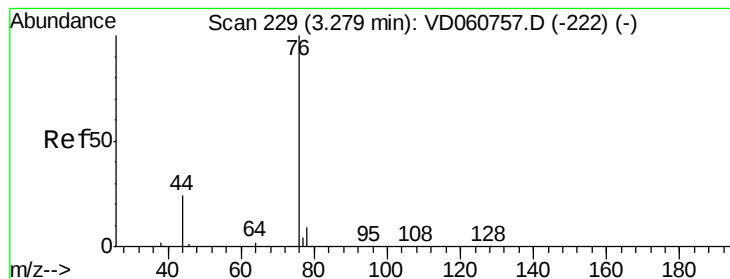
Tgt Ion: 43 Resp: 1842197

Ion Ratio Lower Upper

43 100

58 18.9 18.2 27.2





#17

Carbon Disulfide

Concen: 122.516 ug/l

RT: 3.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

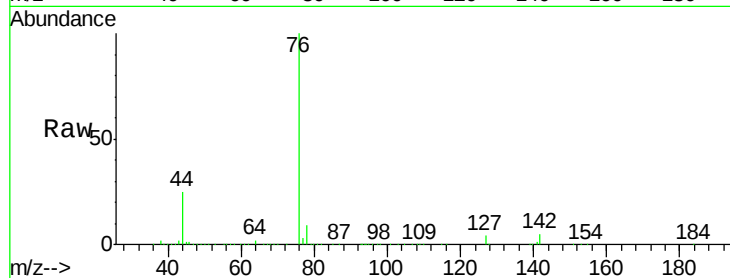
VSTDIC150

Tot Ion: 76 Resp: 3232141

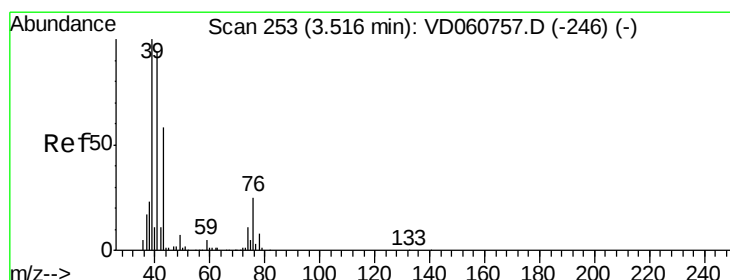
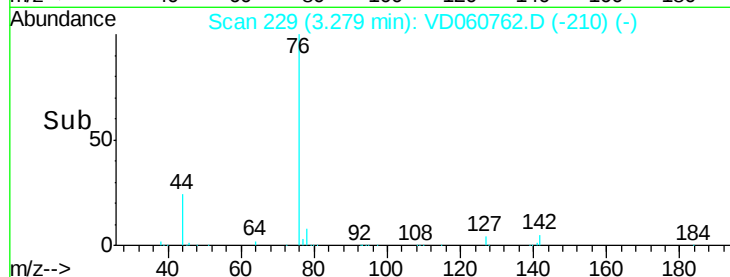
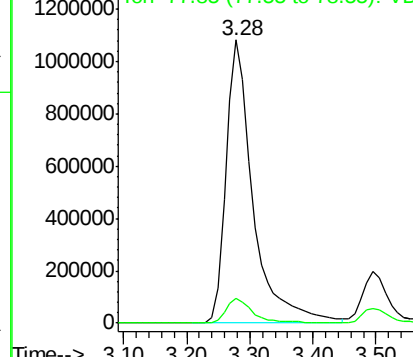
Ion Ratio Lower Upper

76 100

78 8.6 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: 157.212 ug/l

RT: 3.52 min Scan# 254

Delta R.T. 0.03 min

Lab File: VD060762.D

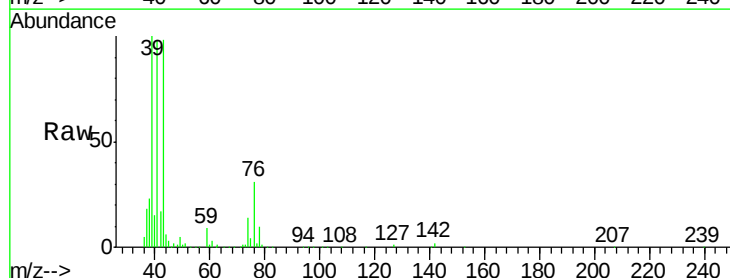
Acq: 18 Jan 2019 15:37

Tgt Ion: 43 Resp: 701801

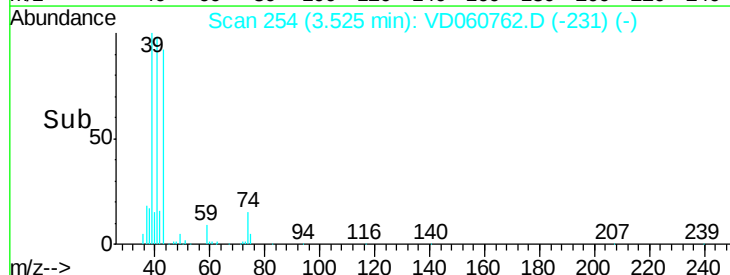
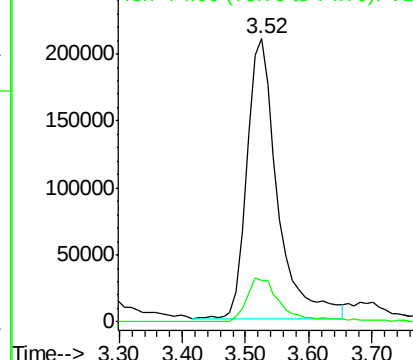
Ion Ratio Lower Upper

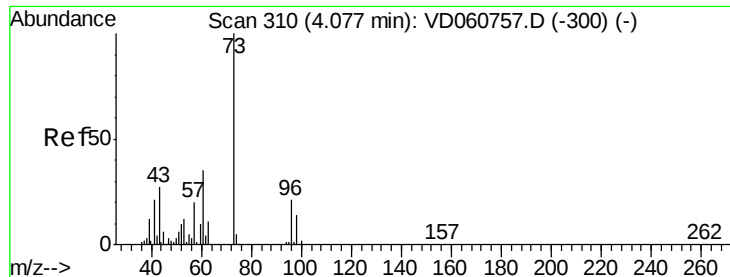
43 100

74 14.7 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



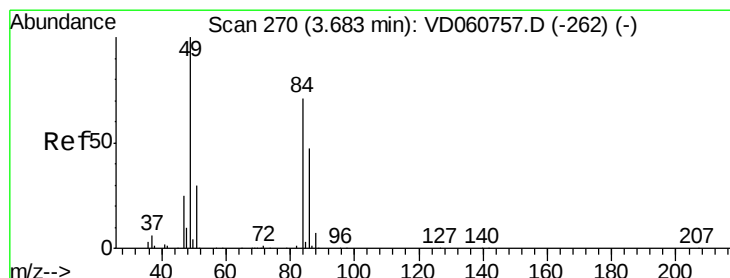
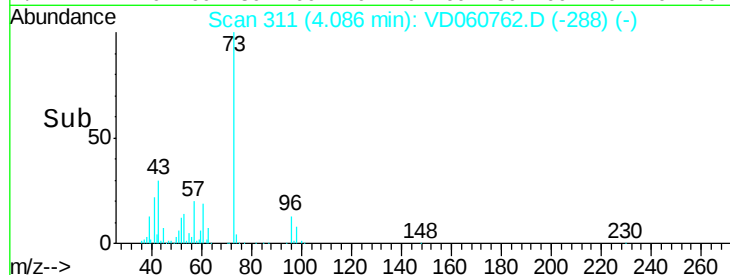
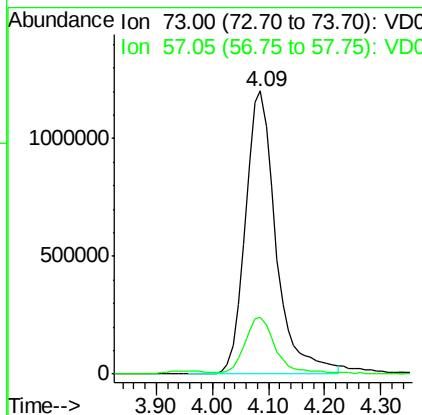
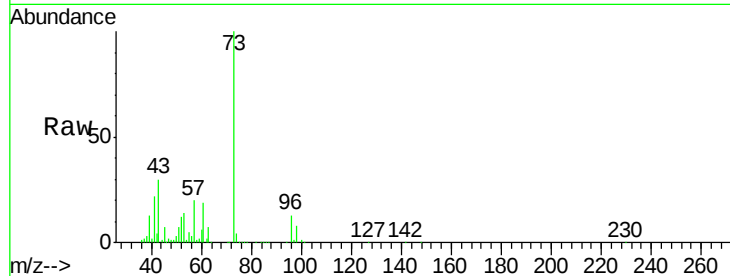


#19

Methyl tert-butyl Ether
 Concen: 217.281 ug/l
 RT: 4.09 min Scan# 311
 Delta R.T. 0.03 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

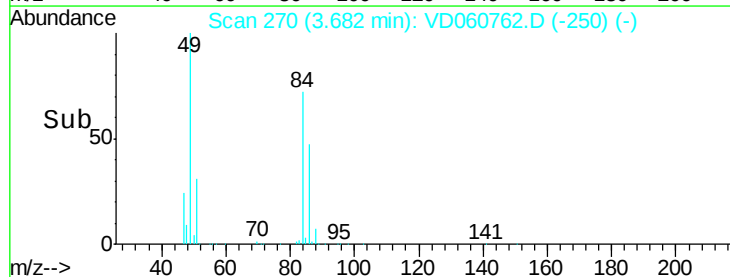
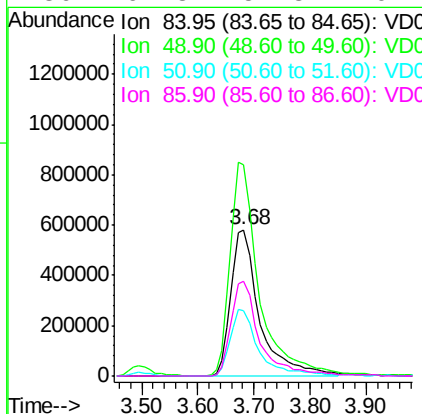
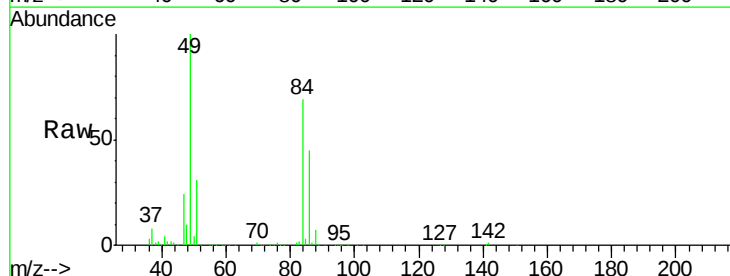
Tot Ion: 73 Resp: 4553691
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.6 26.4

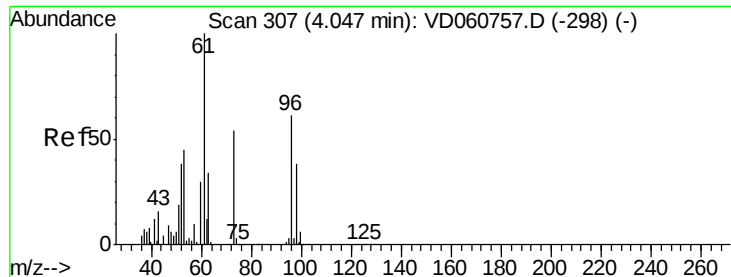


#20

Methylene Chloride
 Concen: 110.833 ug/l
 RT: 3.68 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion: 84 Resp: 2073254
 Ion Ratio Lower Upper
 84 100
 49 144.4 113.6 170.4
 51 44.3 34.7 52.1
 86 64.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 115.448 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

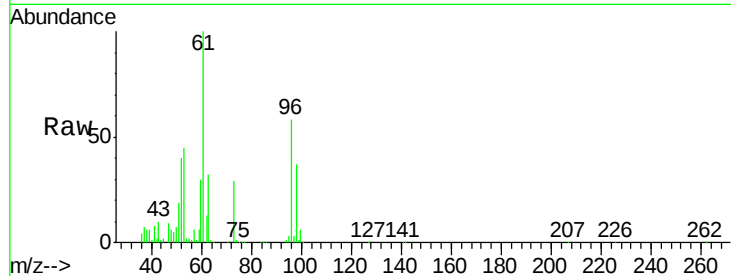
Tot Ion: 96 Resp: 1953049

Ion Ratio Lower Upper

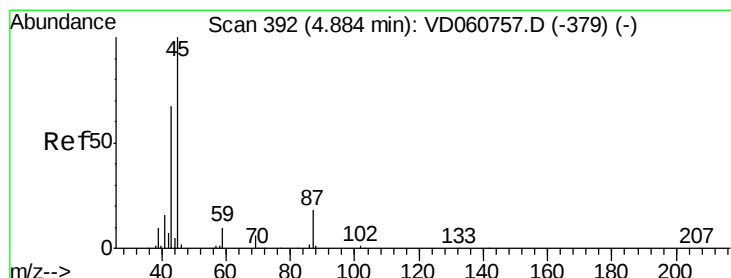
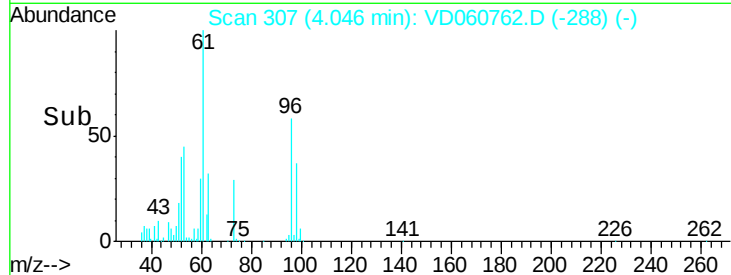
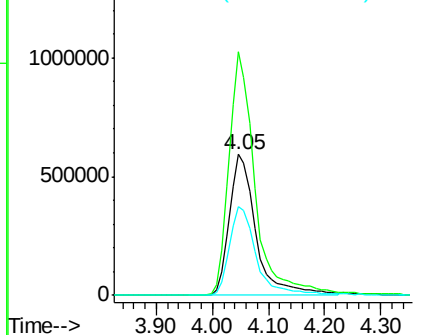
96 100

61 173.0 104.2 156.2#

98 63.3 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: 135.910 ug/l

RT: 4.89 min Scan# 393

Delta R.T. 0.04 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Tgt Ion: 45 Resp: 6994519

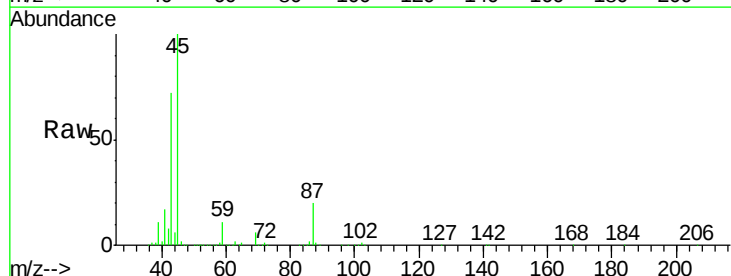
Ion Ratio Lower Upper

45 100

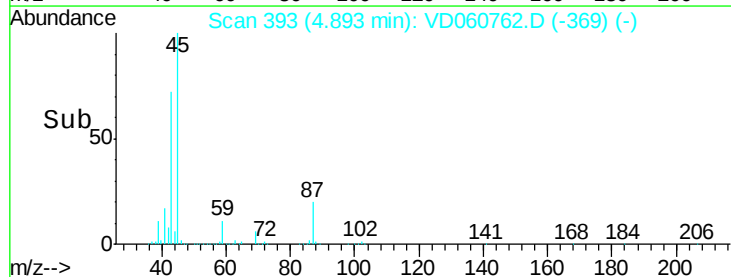
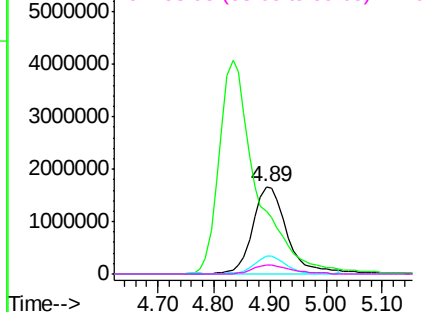
43 71.9 46.1 69.1#

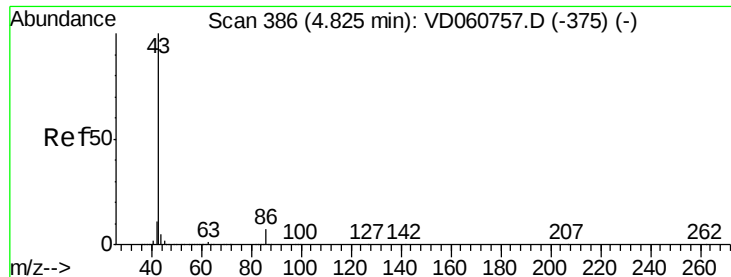
87 19.9 13.7 20.5

59 10.9 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 742.937 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.03 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

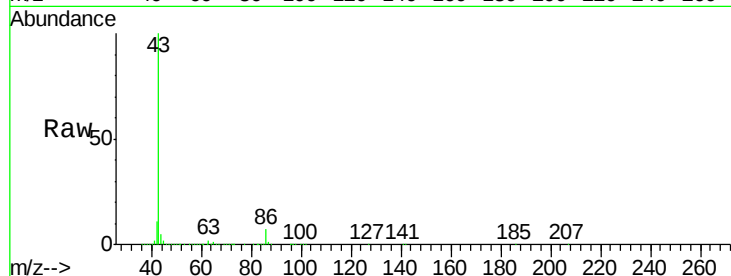
VSTDIC150

Tot Ion: 43 Resp:18498147

Ion Ratio Lower Upper

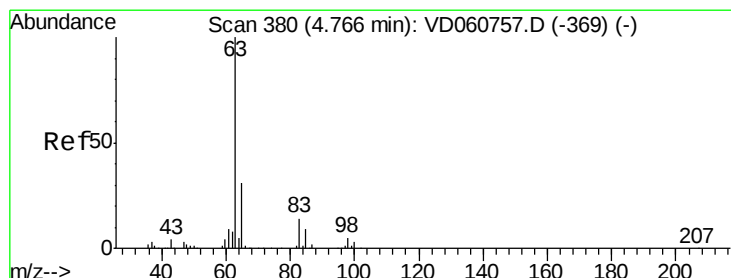
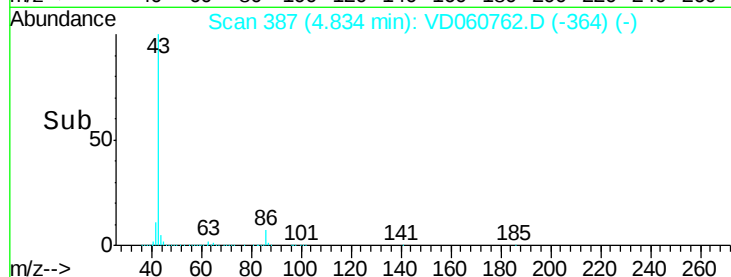
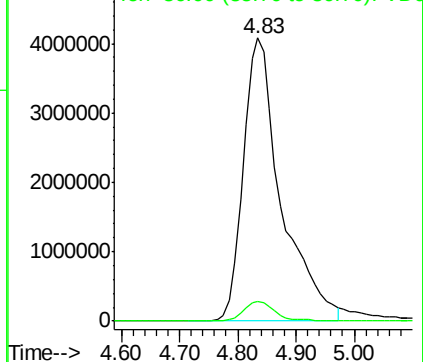
43 100

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: 161.221 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

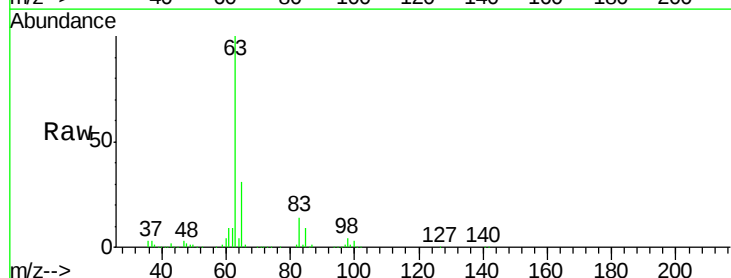
Tgt Ion: 63 Resp: 4364242

Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.7

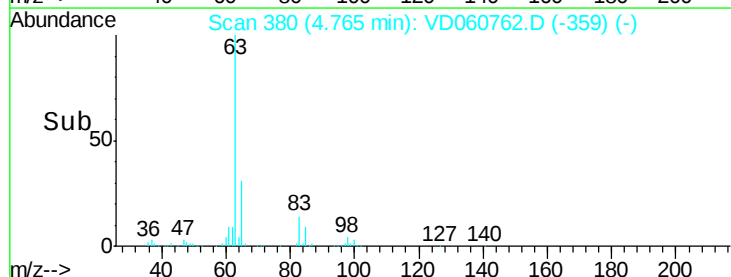
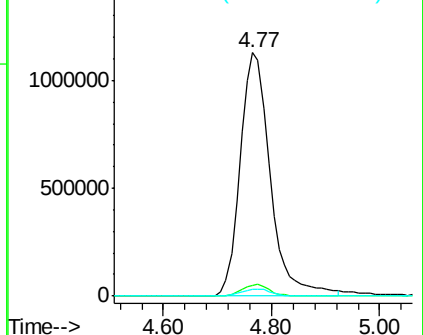
100 3.0 2.0 5.8

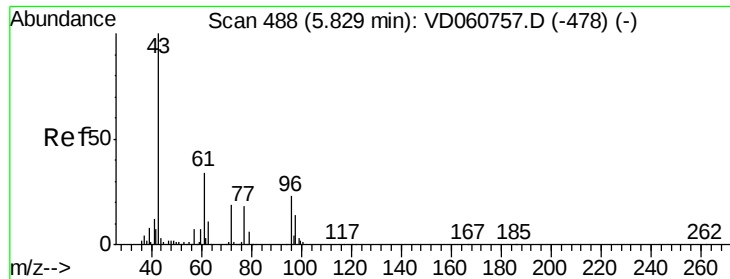


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 946.642 ug/l

RT: 5.85 min Scan# 490

Delta R.T. 0.05 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

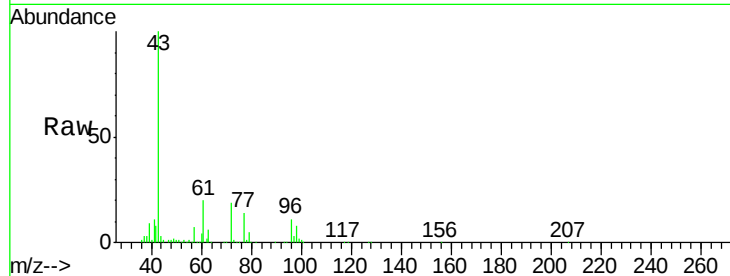
VSTDIC150

Tot Ion: 43 Resp: 3262877

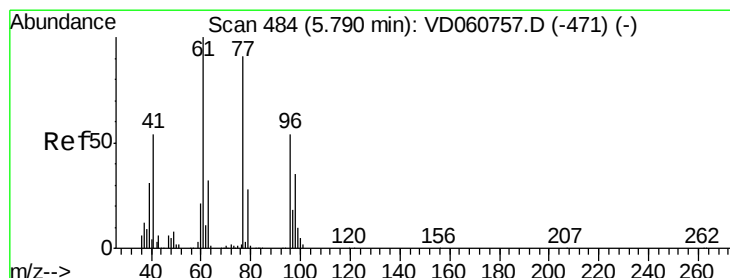
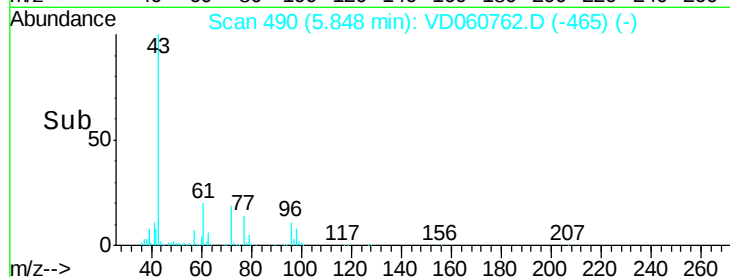
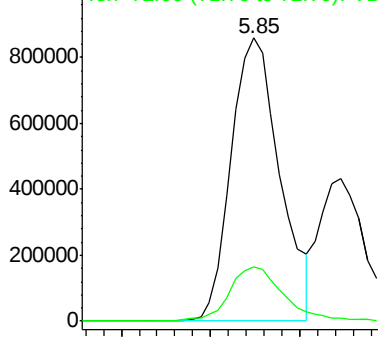
Ion Ratio Lower Upper

43 100

72 19.2 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 176.185 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD060762.D

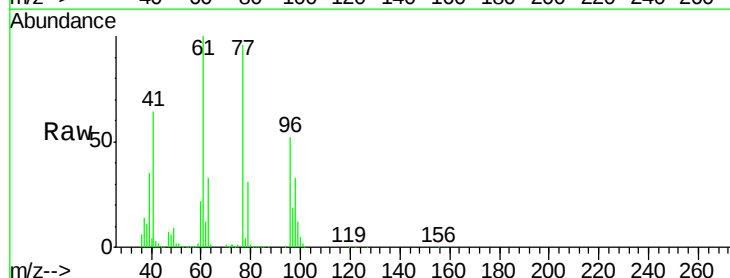
Acq: 18 Jan 2019 15:37

Tgt Ion: 77 Resp: 3764699

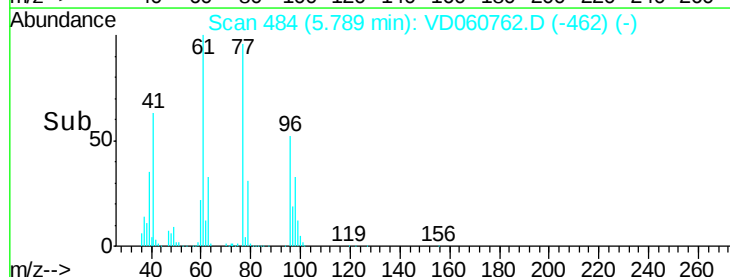
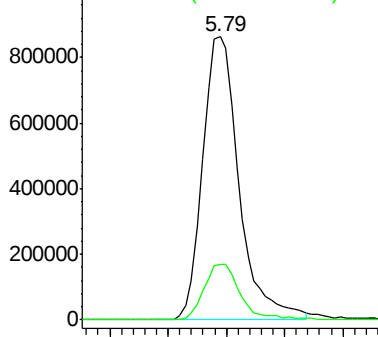
Ion Ratio Lower Upper

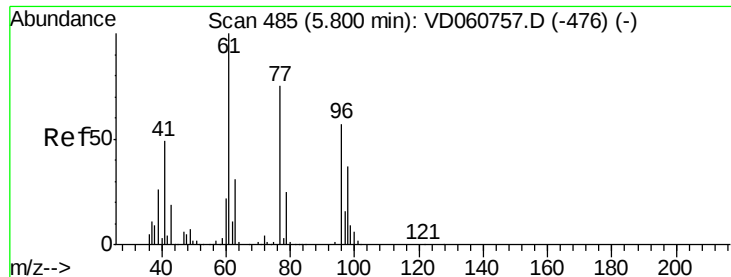
77 100

97 19.5 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



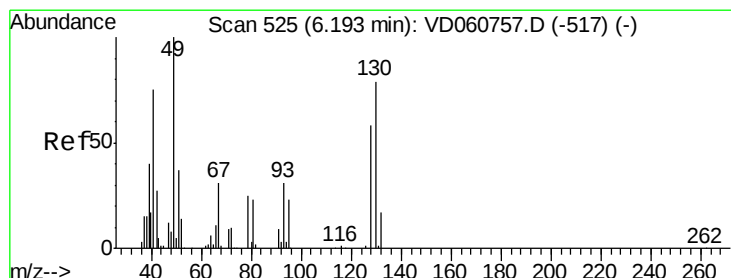
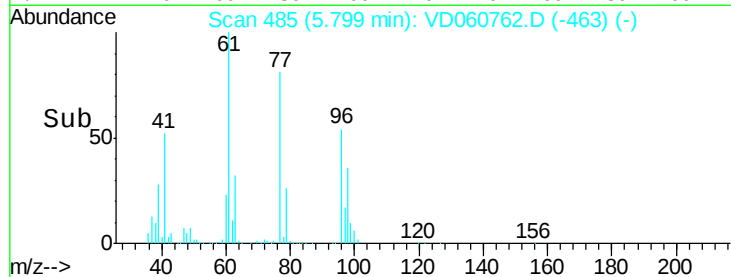
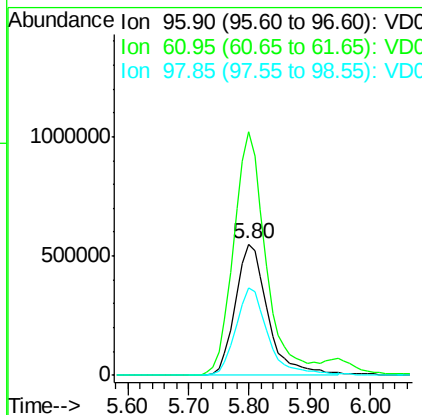
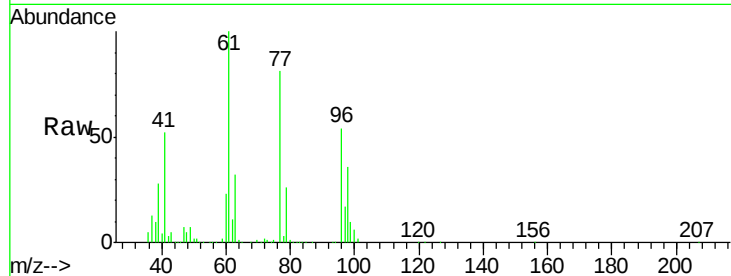


#27

cis-1,2-Dichloroethene
 Concen: 119.795 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

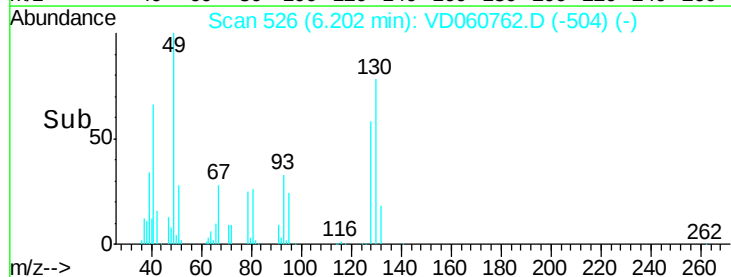
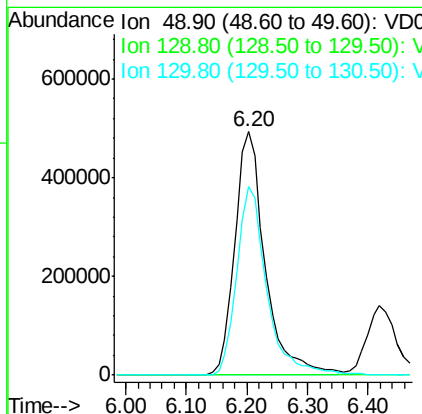
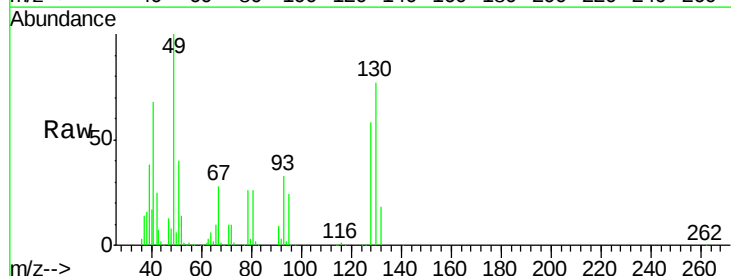
Tot Ion: 96 Resp: 2057270
 Ion Ratio Lower Upper
 96 100
 61 185.4 0.0 259.4
 98 66.4 0.0 130.0

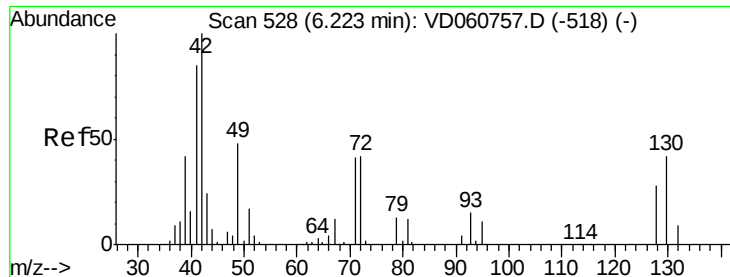


#28

Bromochloromethane
 Concen: 149.982 ug/l
 RT: 6.20 min Scan# 526
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion: 49 Resp: 1715170
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 77.4 56.2 84.2





#29

Tetrahydrofuran

Concen: 838.346 ug/l

RT: 6.23 min Scan# 529

Delta R.T. 0.04 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

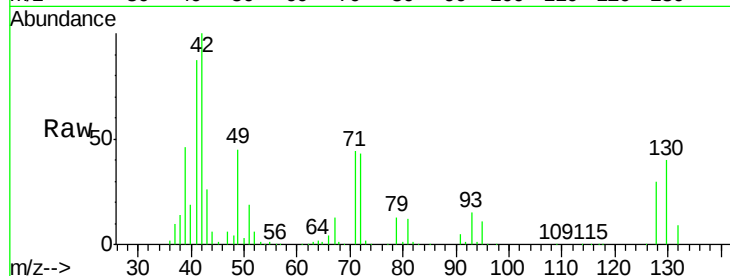
Tot Ion: 42 Resp: 1638115

Ion Ratio Lower Upper

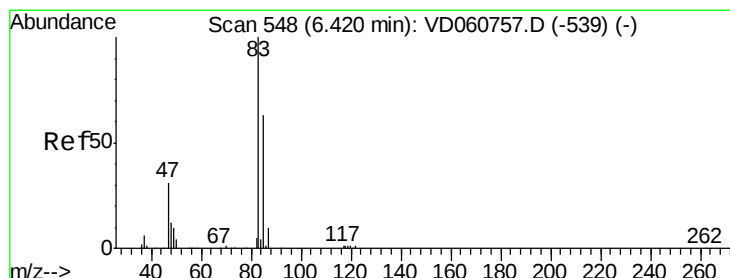
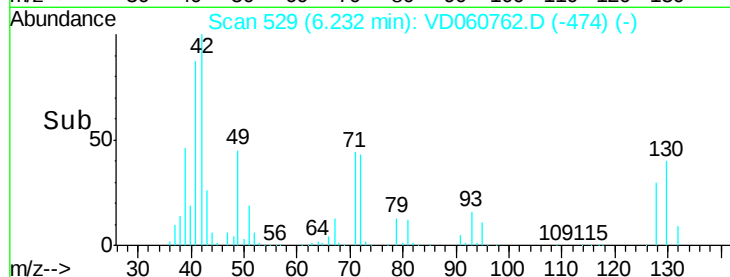
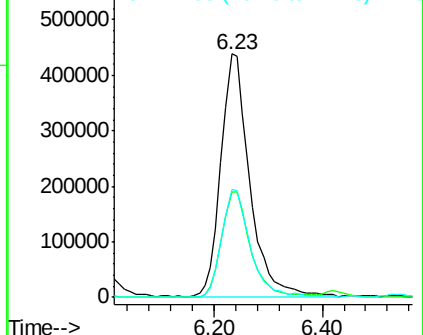
42 100

72 42.8 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: 169.081 ug/l

RT: 6.42 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD060762.D

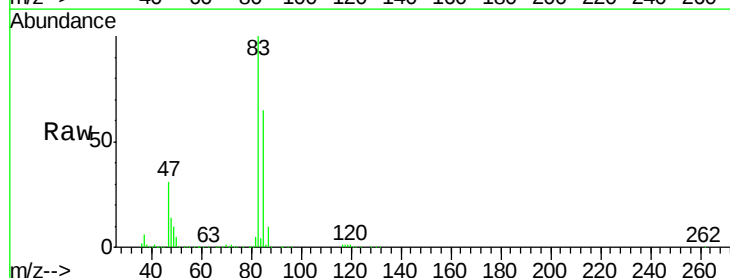
Acq: 18 Jan 2019 15:37

Tgt Ion: 83 Resp: 4605538

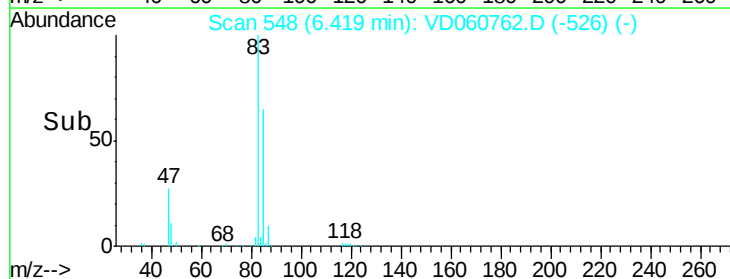
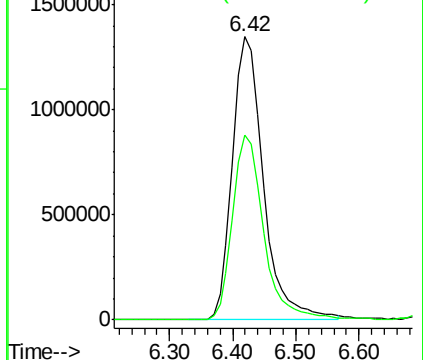
Ion Ratio Lower Upper

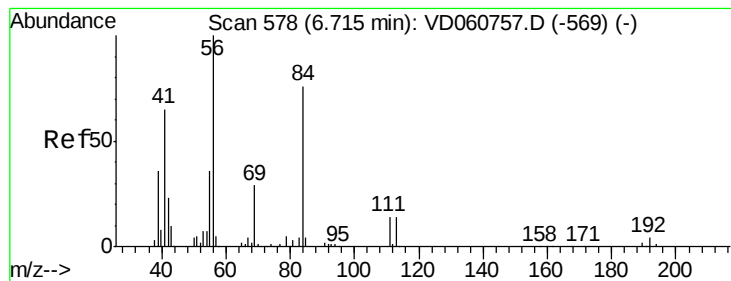
83 100

85 65.5 53.0 79.6



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





#31

Cvclohexane

Concen: 125.046 ug/l

RT: 6.72 min Scan# 579

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

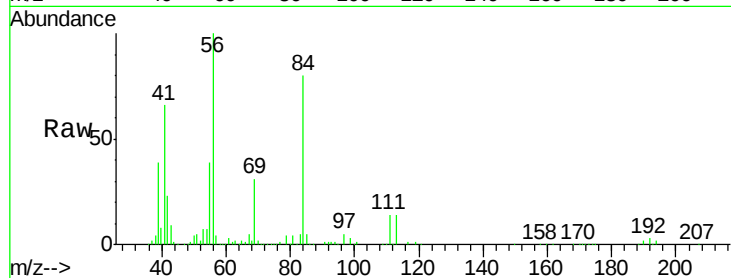
MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 3257519

Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.6	35.4
84	80.3	65.8	98.6

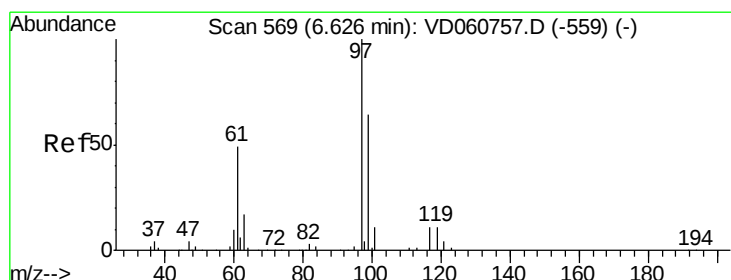
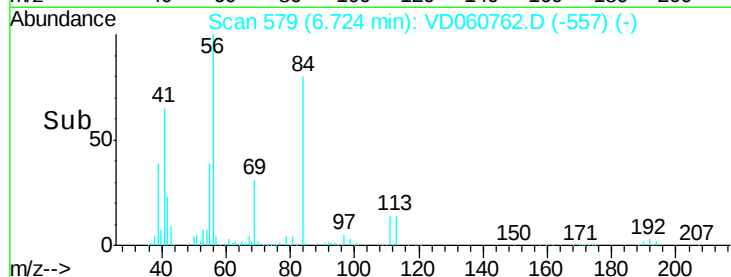
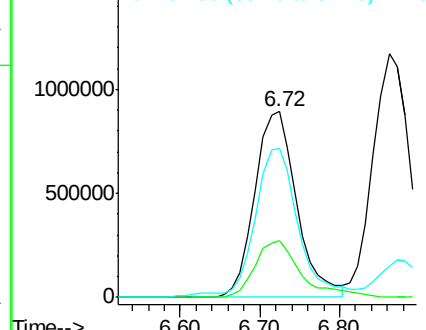


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 185.592 ug/l

RT: 6.64 min Scan# 570

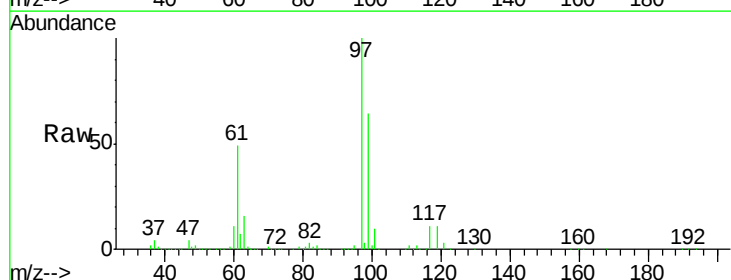
Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Tgt Ion: 97 Resp: 4182395

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.5	75.7
61	49.3	34.6	51.8

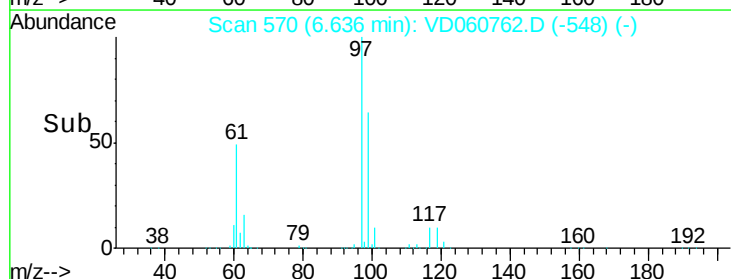
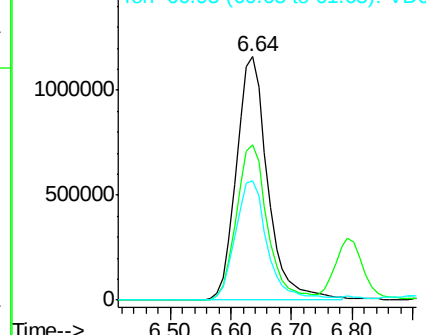


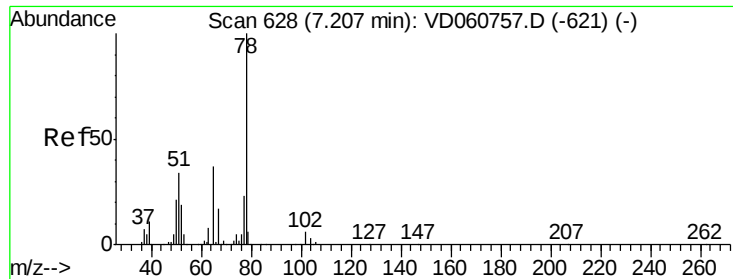
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 185.592 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

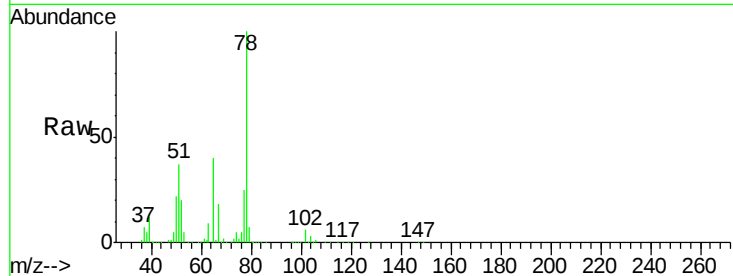
VSTDIC150

Tot Ion: 65 Resp: 2486980

Ion Ratio Lower Upper

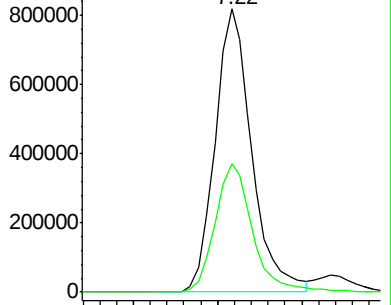
65 100

67 45.5 0.0 105.4

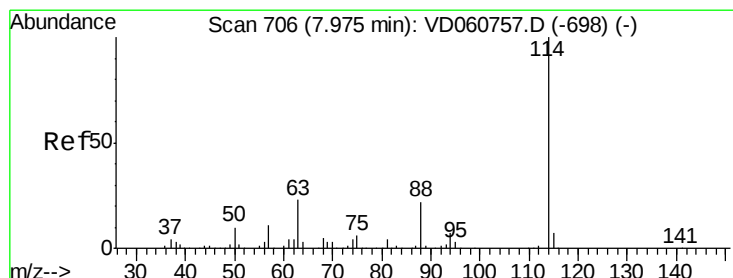
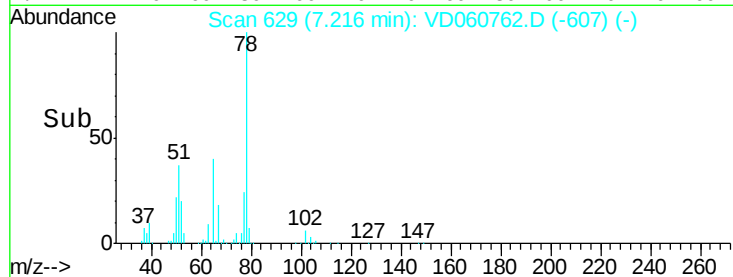


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

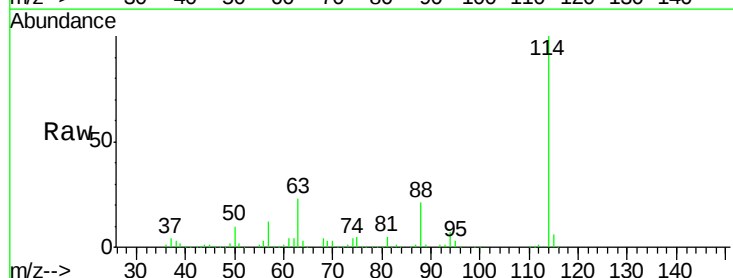
Tgt Ion: 114 Resp: 2219128

Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.2

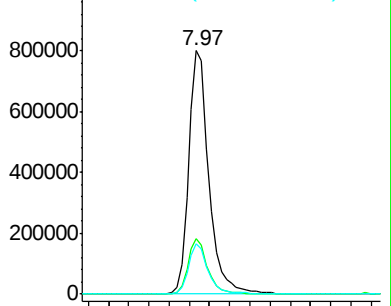
88 20.6 0.0 37.0



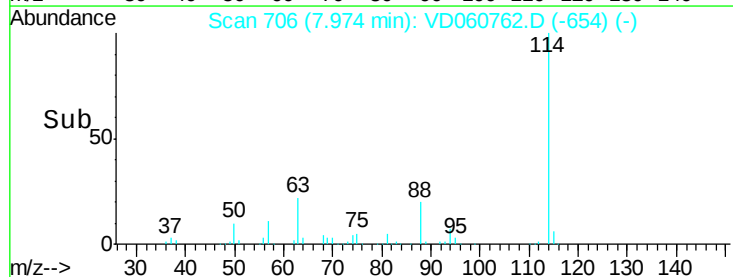
Abundance Ion 114.00 (113.70 to 114.70): V

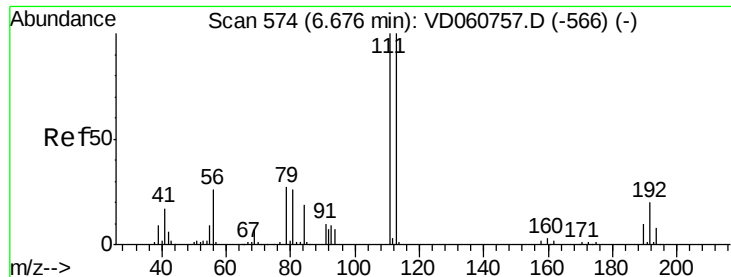
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->

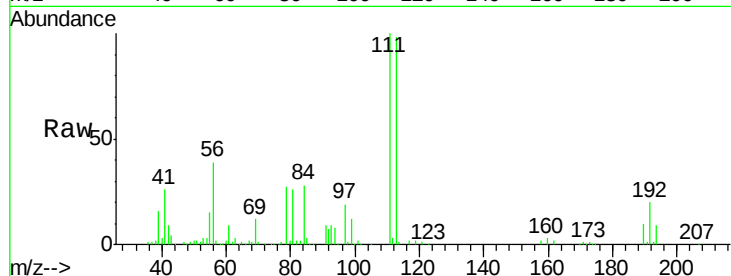




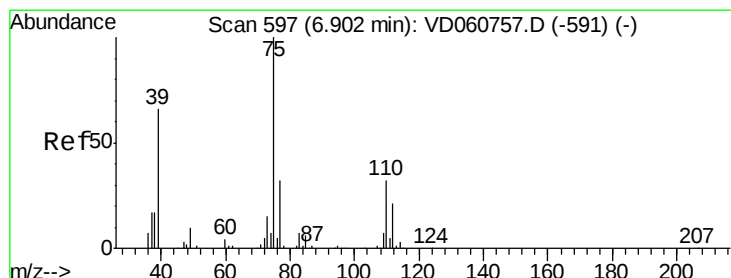
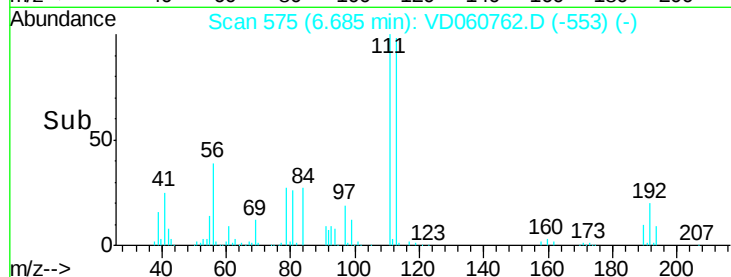
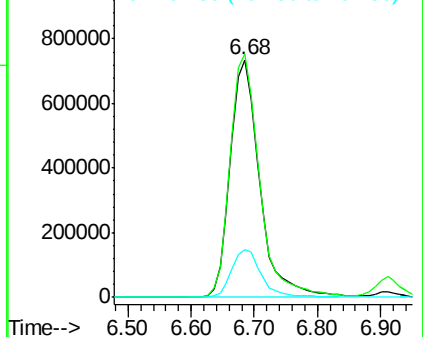
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.68 min Scan# 575
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:113 Resp: 2370992
Ion Ratio Lower Upper
113 100
111 102.6 80.0 120.0
192 20.3 16.6 25.0

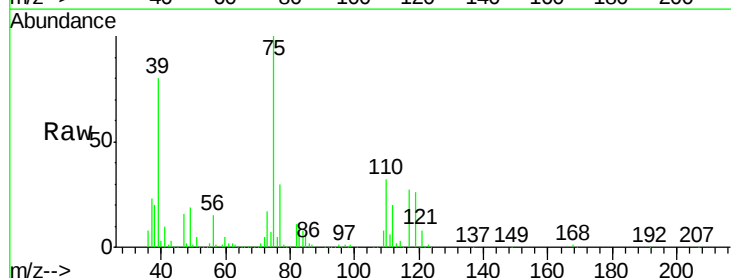


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

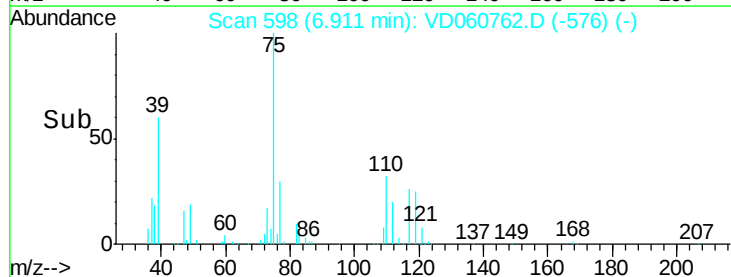
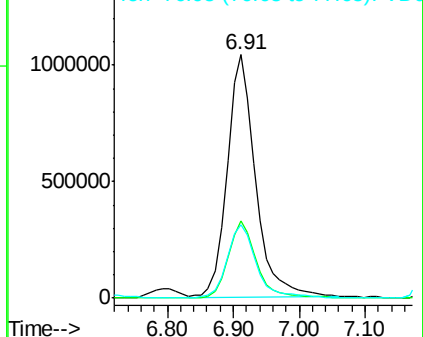


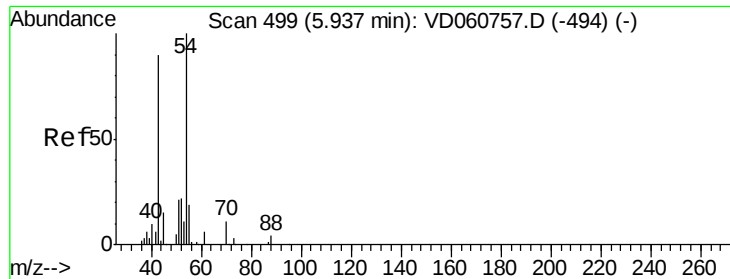
#36
1,1-Dichloropropene
Concen: 136.109 ug/l
RT: 6.91 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 75 Resp: 3110212
Ion Ratio Lower Upper
75 100
110 31.5 18.9 56.7
77 30.2 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

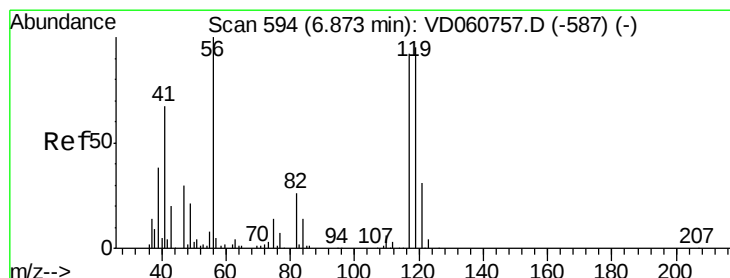
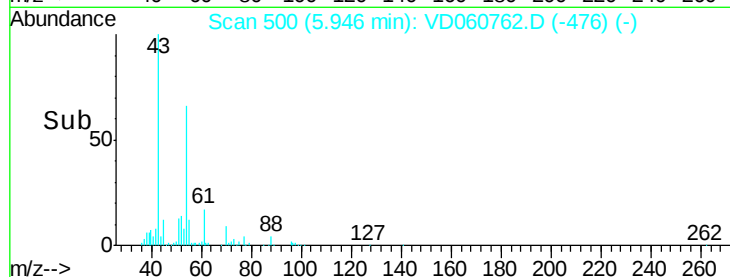
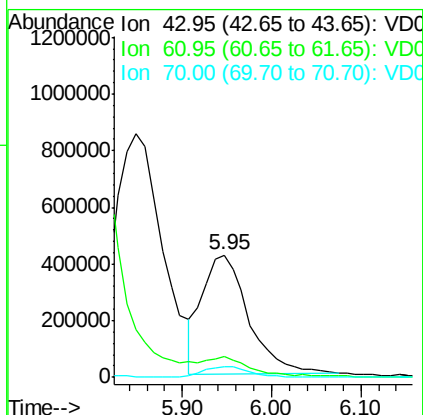
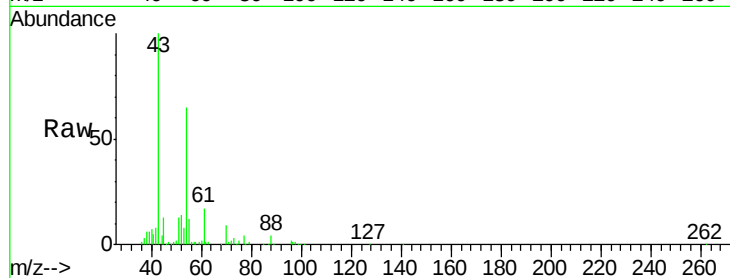




#37
Ethyl Acetate
Concen: 159.519 ug/l
RT: 5.95 min Scan# 500
Delta R.T. 0.04 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

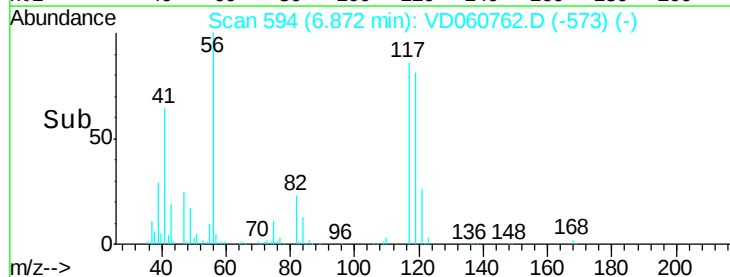
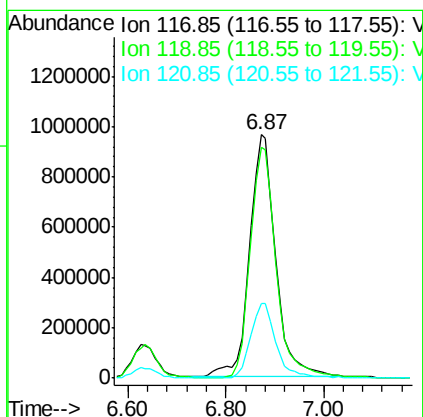
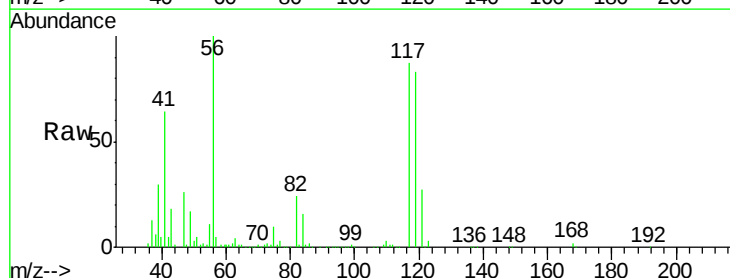
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

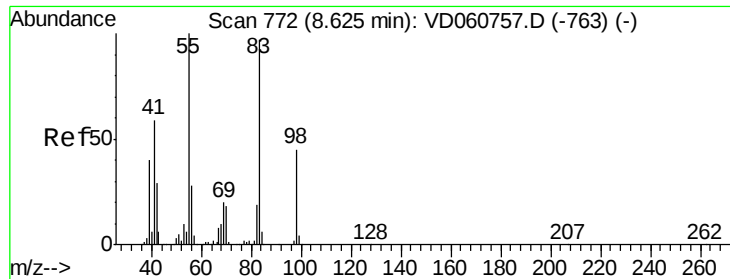
Tot Ion: 43 Resp: 1524509
Ion Ratio Lower Upper
43 100
61 16.6 11.8 17.6
70 8.9 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 177.690 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 117 Resp: 3582155
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4
121 30.9 24.7 37.1

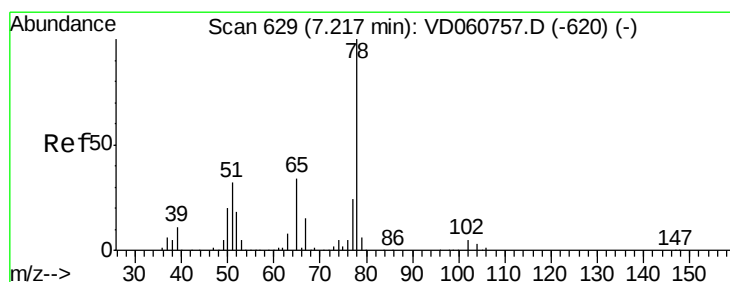
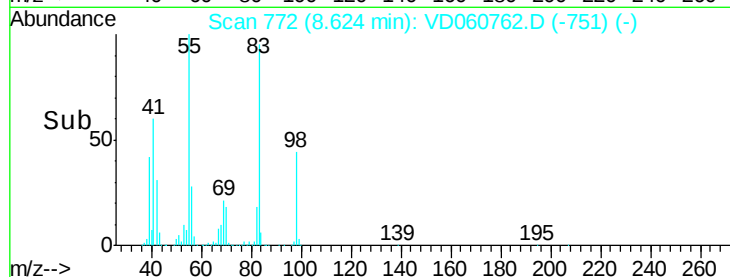
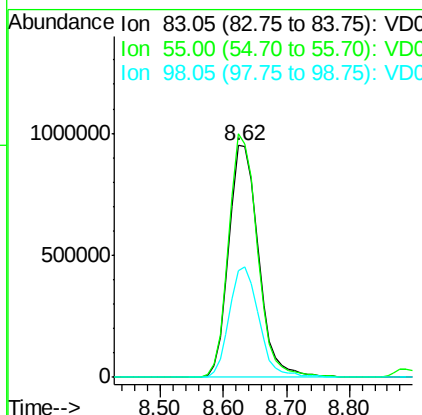
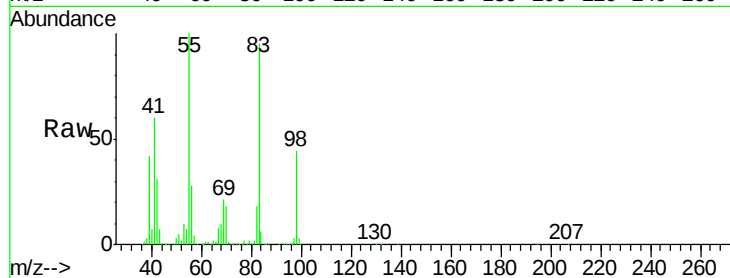




#39
Methvlcvclohexane
Concen: 119.185 ug/l
RT: 8.62 min Scan# 772
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

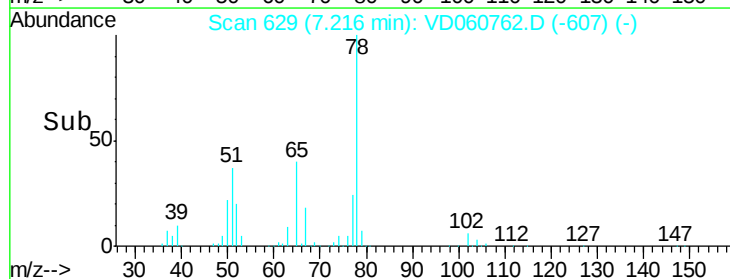
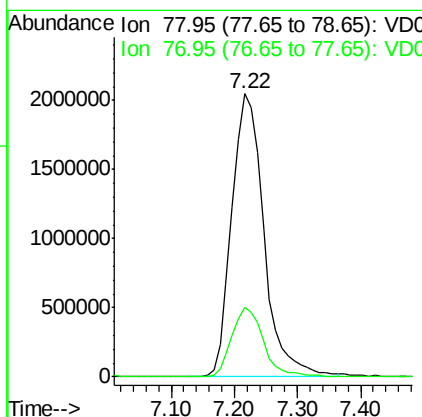
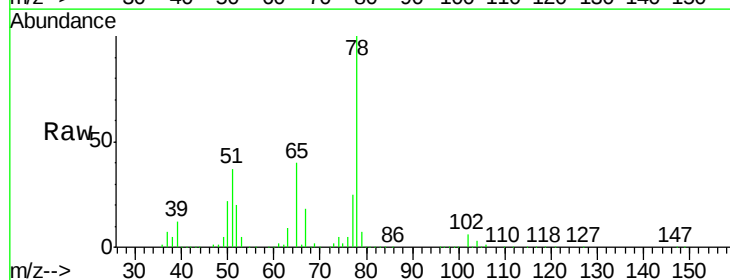
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

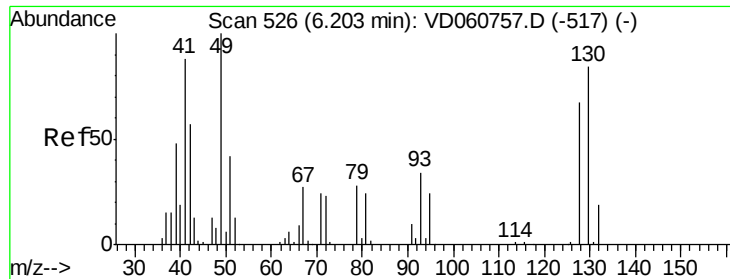
Tot Ion: 83 Resp: 3106141
Ion Ratio Lower Upper
83 100
55 105.0 68.6 102.8#
98 46.2 38.1 57.1



#40
Benzene
Concen: 122.934 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 78 Resp: 7256233
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8

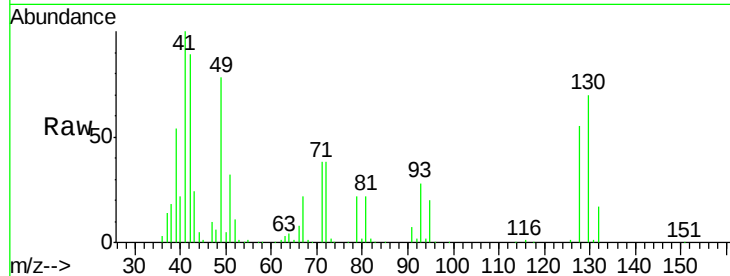




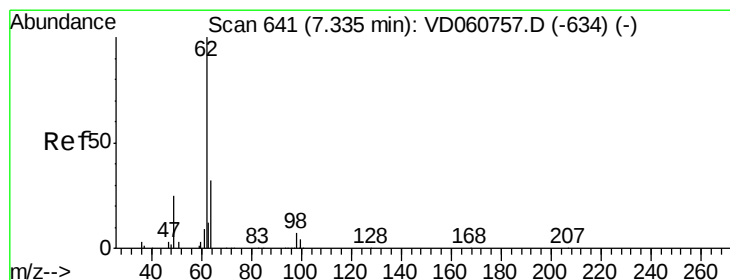
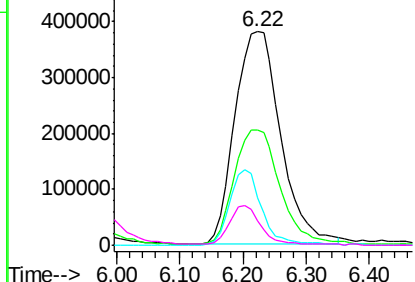
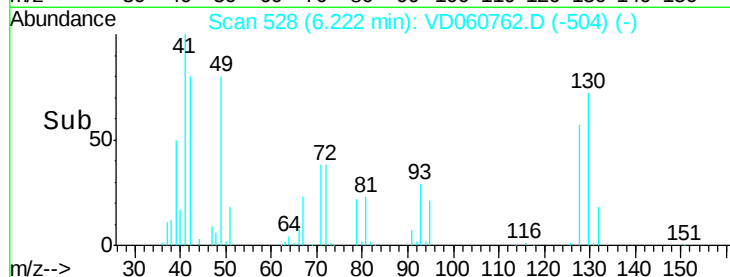
#41
Methacrylonitrile
Concen: 364.425 ug/l
RT: 6.22 min Scan# 528
Delta R.T. 0.04 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion: 41 Resp: 1926439
Ion Ratio Lower Upper
41 100
39 54.1 37.6 56.4
67 21.9 33.0 49.6#
52 11.4 15.5 23.3#

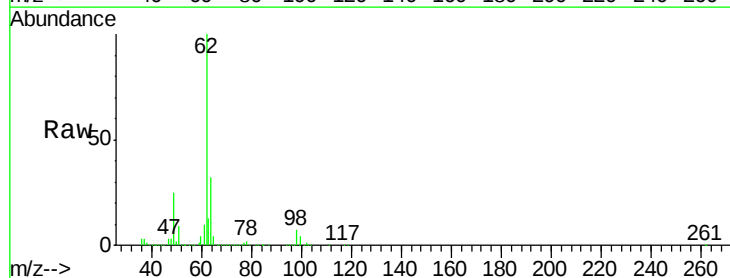


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

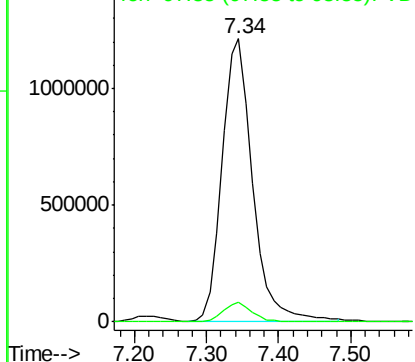
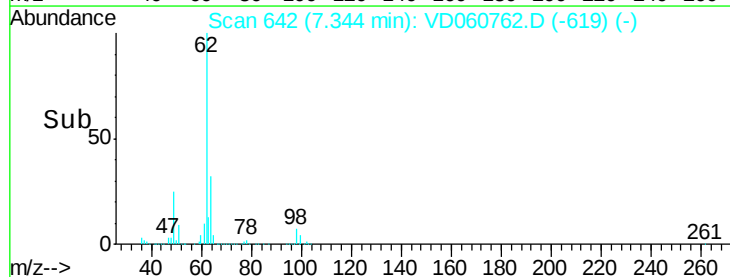


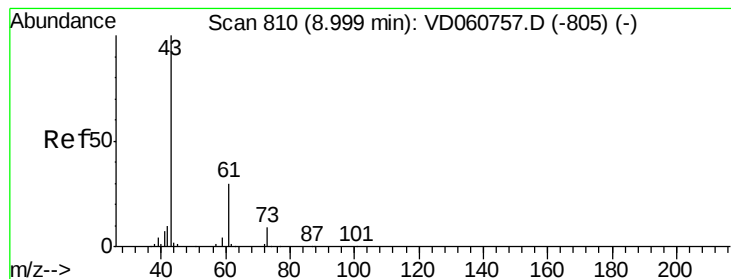
#42
1,2-Dichloroethane
Concen: 240.649 ug/l
RT: 7.34 min Scan# 642
Delta R.T. 0.03 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 62 Resp: 3524943
Ion Ratio Lower Upper
62 100
98 6.8 0.0 20.4



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





#43

Isopropyl Acetate

Concen: 191.041 ug/l

RT: 9.01 min Scan# 811

Delta R.T. 0.03 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

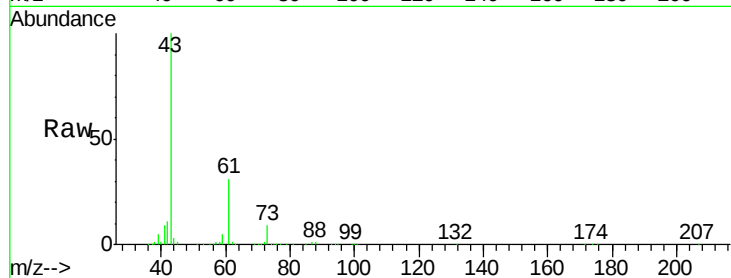
Tot Ion: 43 Resp: 2342945

Ion Ratio Lower Upper

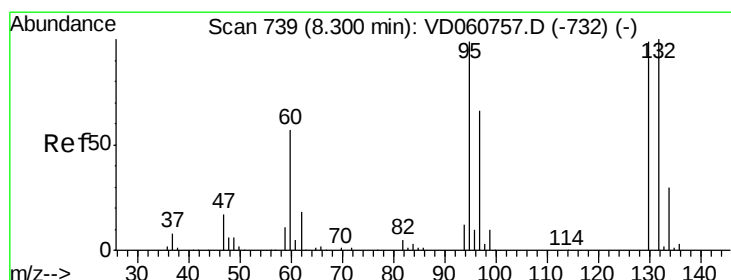
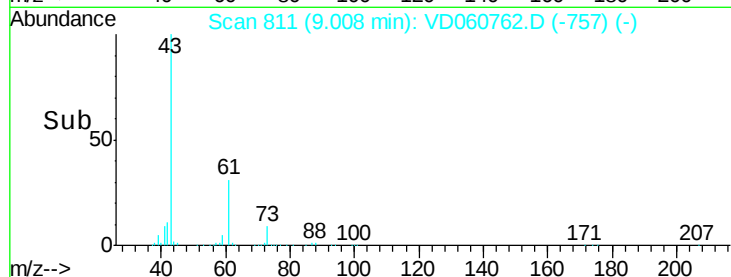
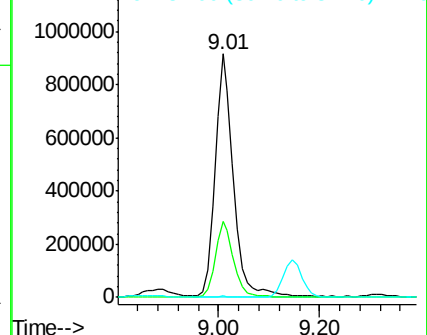
43 100

61 31.2 21.8 32.8

87 0.5 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: 128.891 ug/l

RT: 8.31 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD060762.D

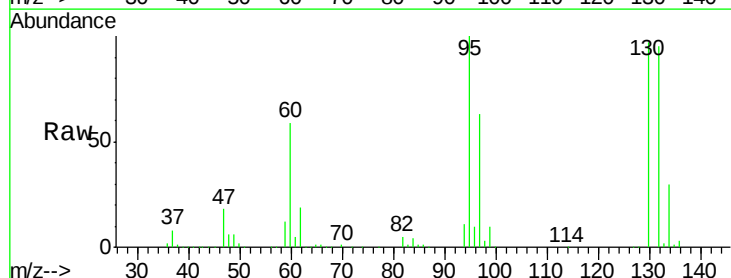
Acq: 18 Jan 2019 15:37

Tgt Ion:130 Resp: 2251754

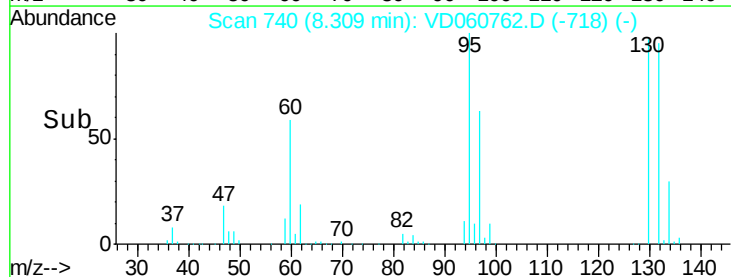
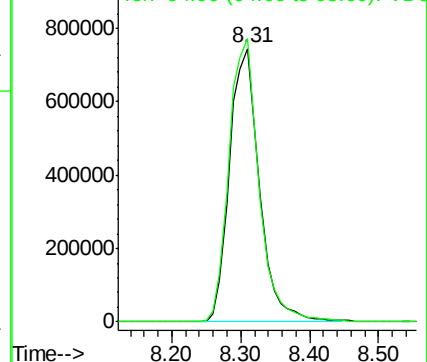
Ion Ratio Lower Upper

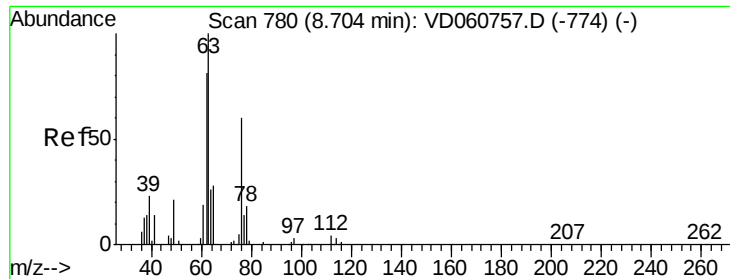
130 100

95 103.4 0.0 193.6



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

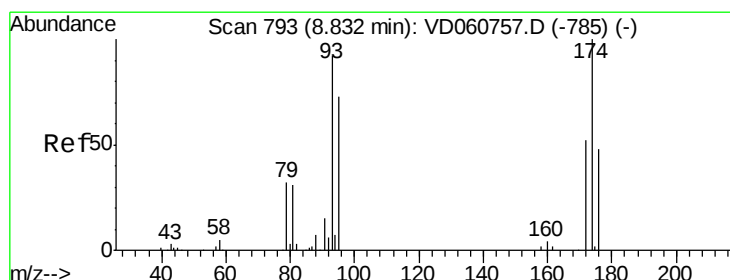
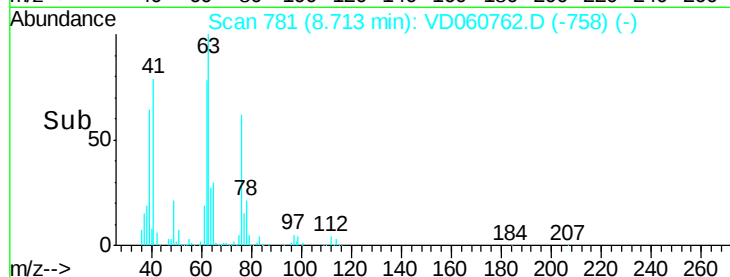
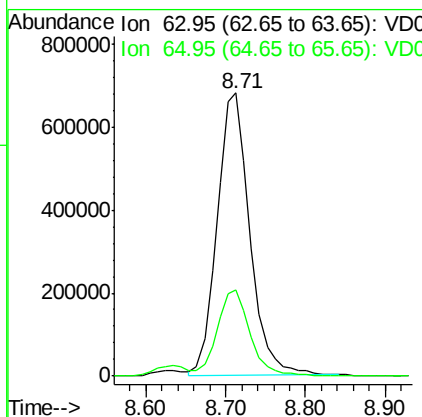
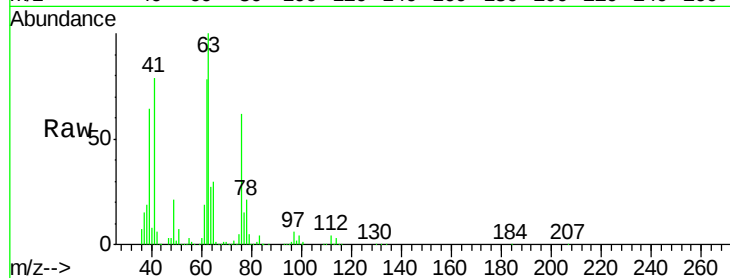




#45
 1,2-Dichloropropane
 Concen: 135.272 ug/l
 RT: 8.71 min Scan# 781
 Delta R.T. 0.03 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

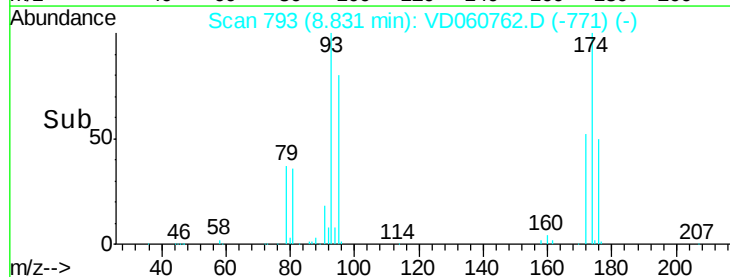
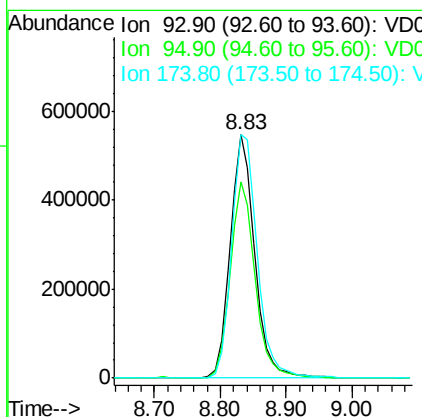
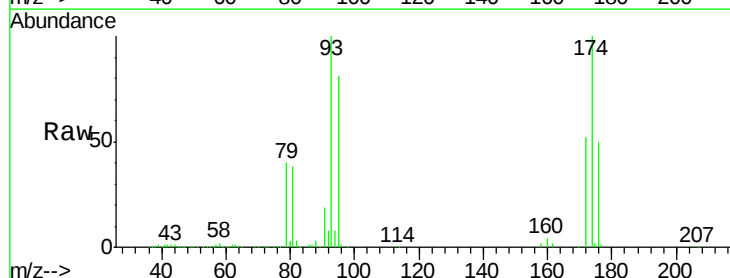
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

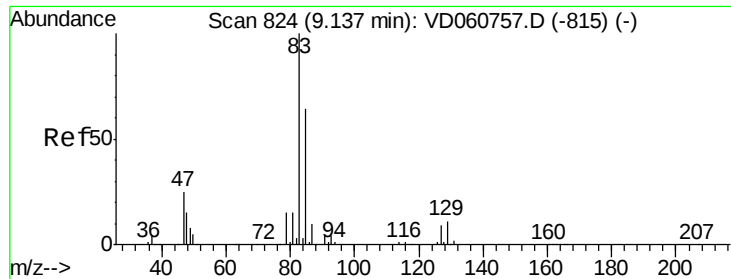
Tot Ion: 63 Resp: 1958113
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 173.145 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion: 93 Resp: 1430456
 Ion Ratio Lower Upper
 93 100
 95 80.8 68.8 103.2
 174 100.0 93.0 139.4





#47

Bromodichloromethane

Concen: 183.678 ug/l

RT: 9.15 min Scan# 825

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

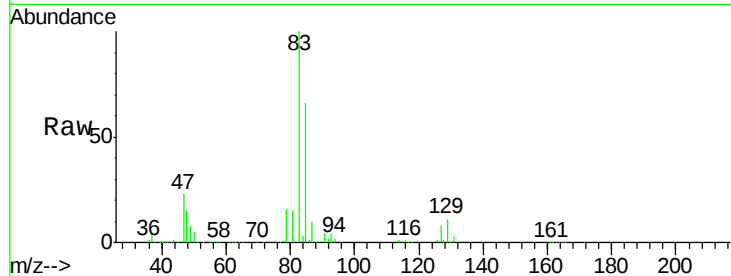
Tot Ion: 83 Resp: 3594139

Ion Ratio Lower Upper

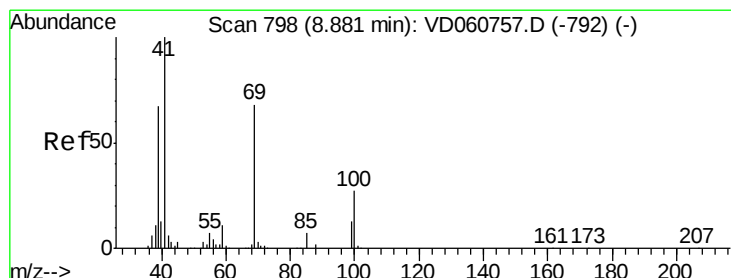
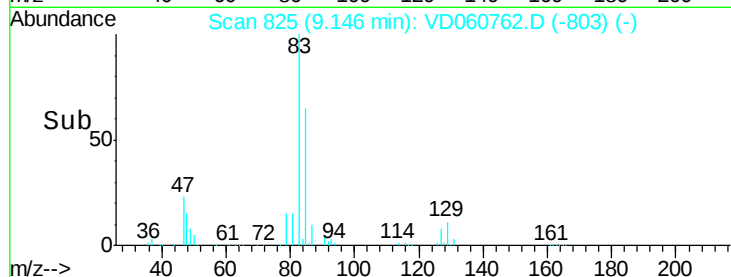
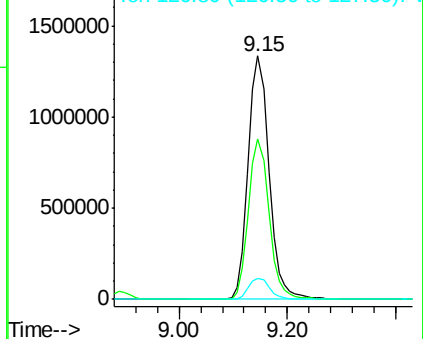
83 100

85 65.7 51.1 76.7

127 8.5 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: 195.247 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.03 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

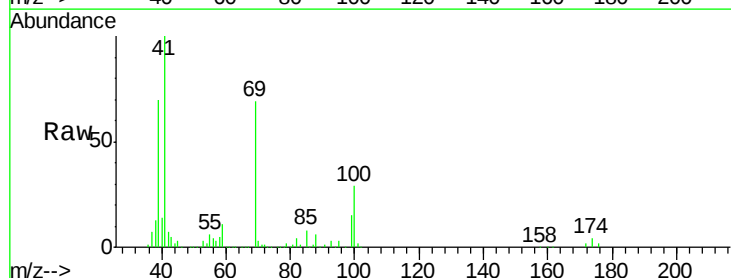
Tgt Ion: 41 Resp: 1454352

Ion Ratio Lower Upper

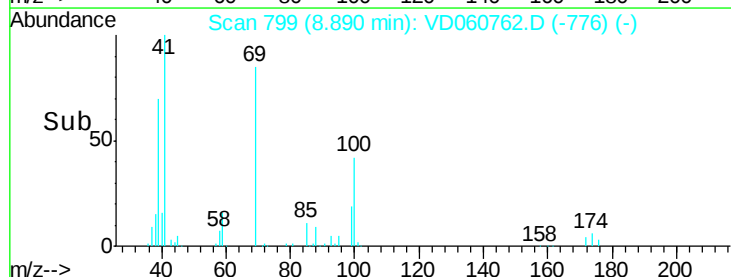
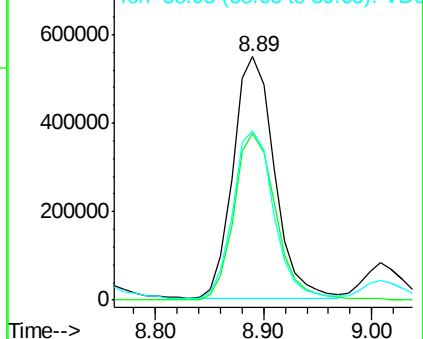
41 100

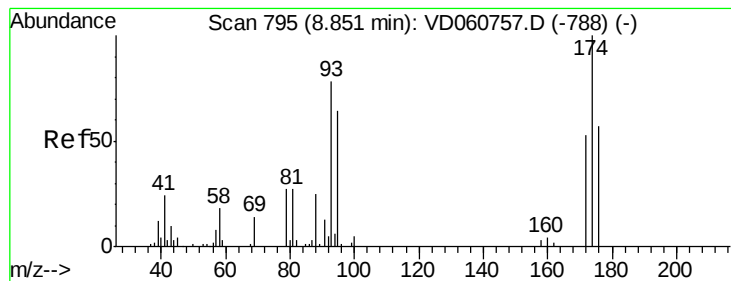
69 68.7 51.2 76.8

39 69.8 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: 3977.637 ug/l

RT: 8.86 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

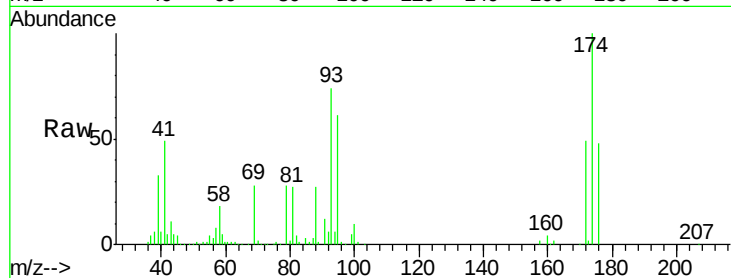
Tot Ion: 88 Resp: 275484

Ion Ratio Lower Upper

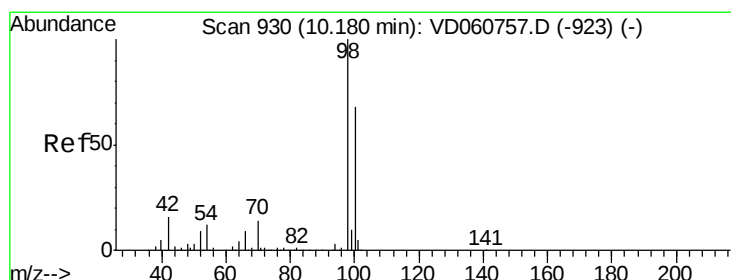
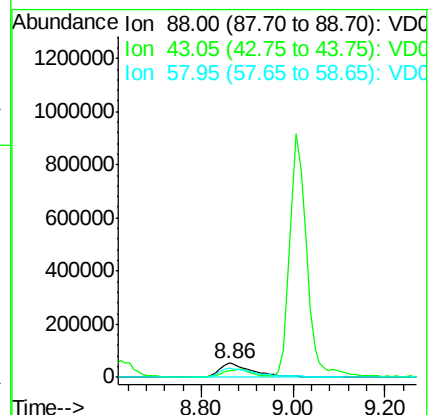
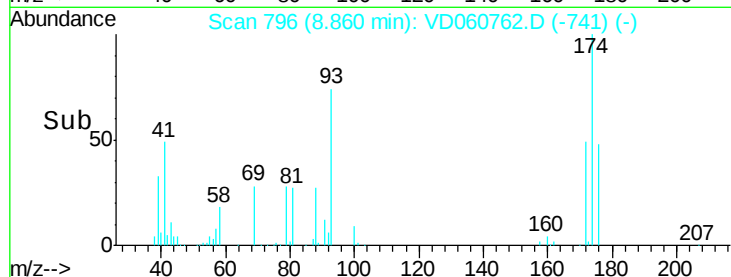
88 100

43 43.1 31.5 47.3

58 66.8 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: 3977.637 ug/l

RT: 10.19 min Scan# 931

Delta R.T. 0.02 min

Lab File: VD060762.D

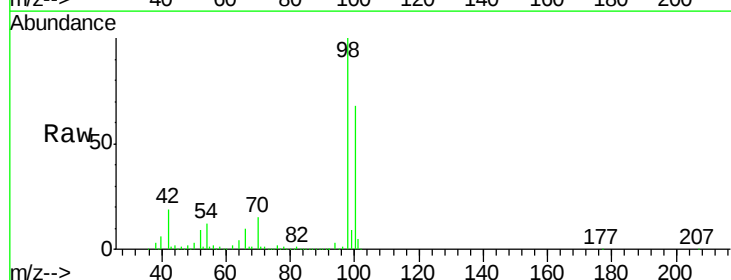
Acq: 18 Jan 2019 15:37

Tgt Ion: 98 Resp: 5911515

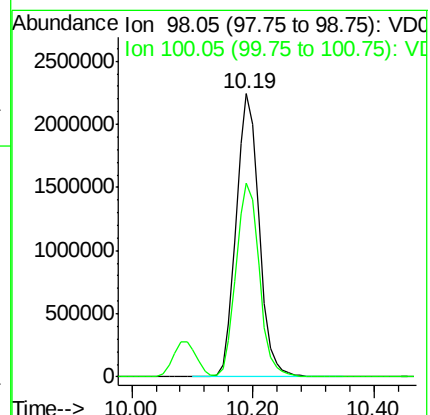
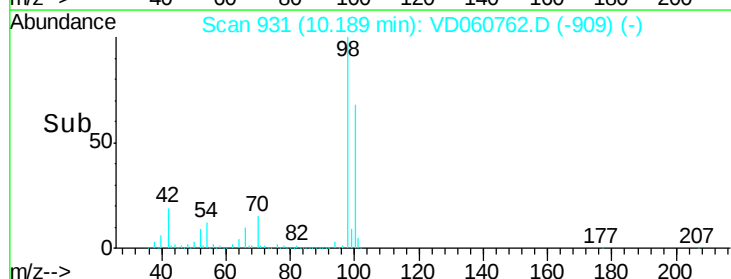
Ion Ratio Lower Upper

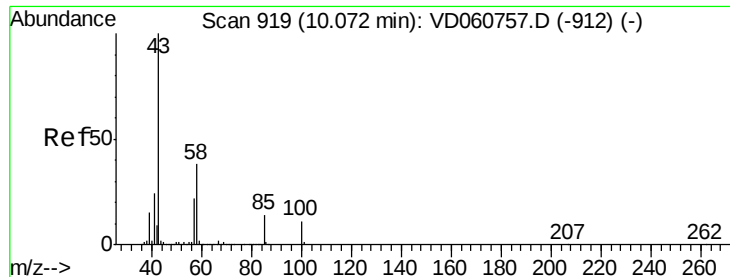
98 100

100 68.4 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

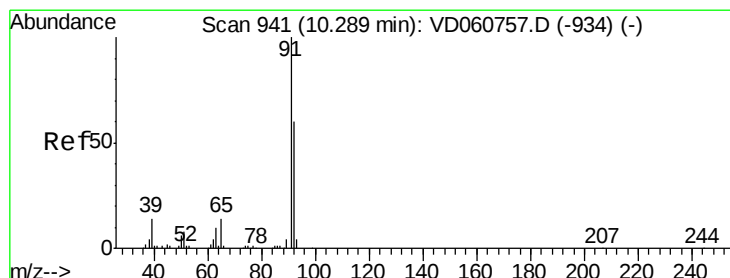
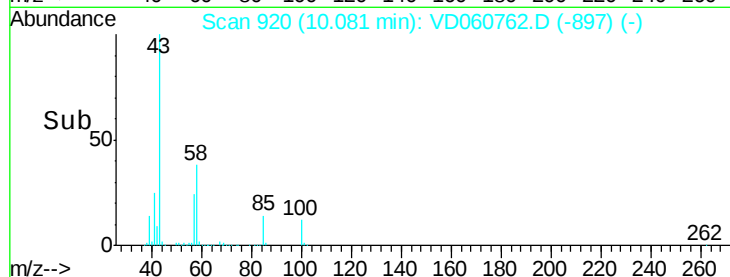
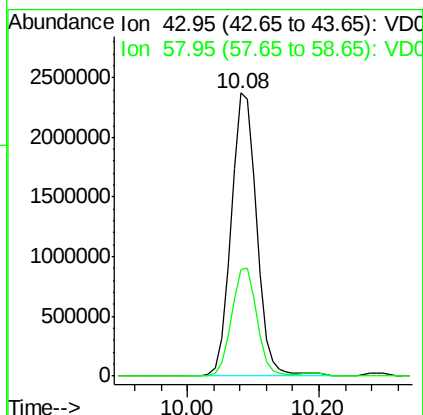
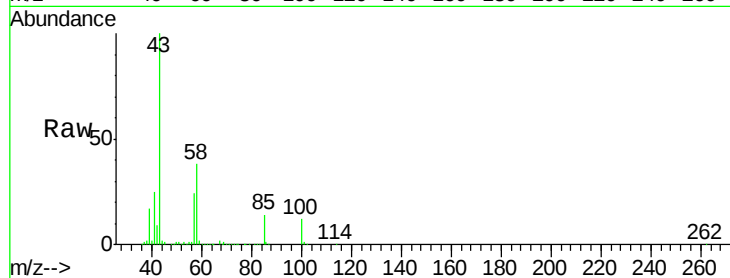




#51
4-Methyl-2-Pentanone
Concen: 858.175 ug/l
RT: 10.08 min Scan# 920
Delta R.T. 0.03 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

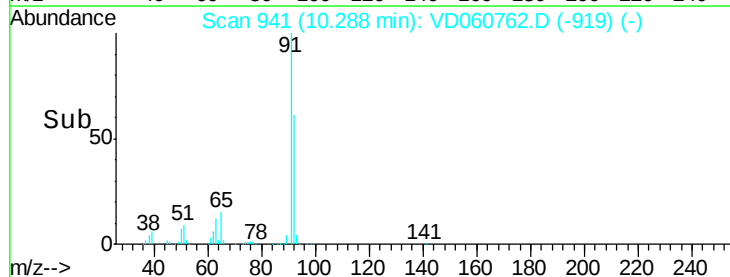
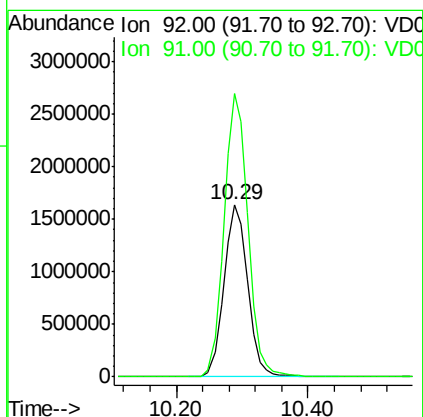
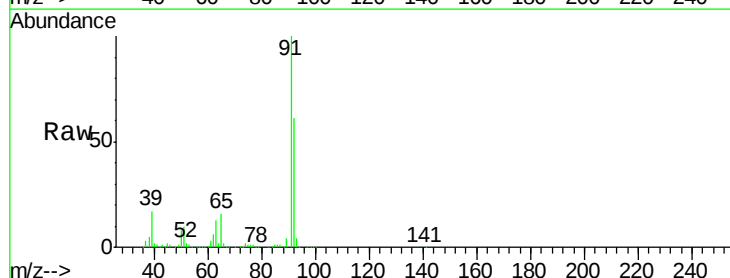
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

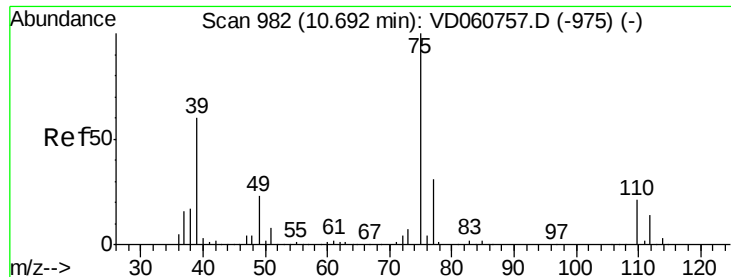
Tot Ion: 43 Resp: 6448228
Ion Ratio Lower Upper
43 100
58 37.7 26.3 39.5



#52
Toluene
Concen: 112.164 ug/l
RT: 10.29 min Scan# 941
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 92 Resp: 4150349
Ion Ratio Lower Upper
92 100
91 164.6 132.6 199.0

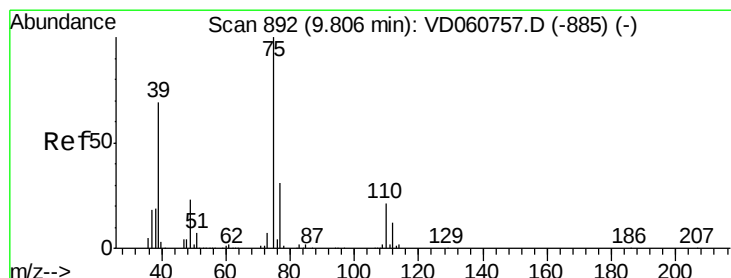
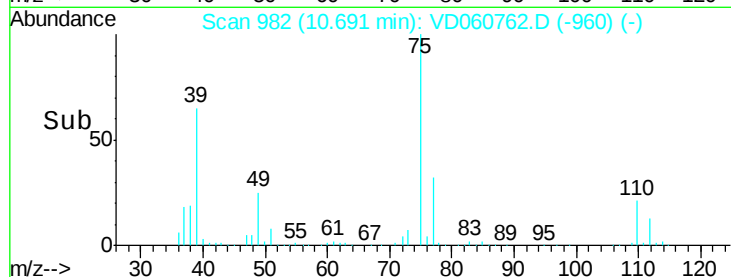
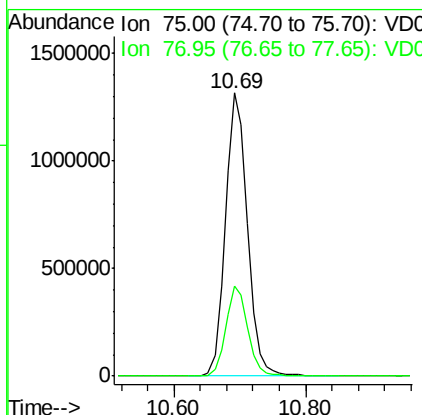
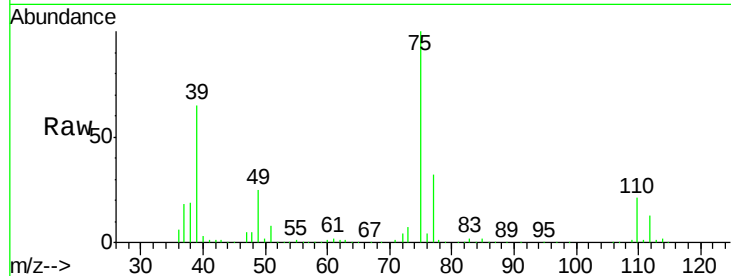




#53
t-1,3-Dichloropropene
Concen: 188.355 ug/l
RT: 10.69 min Scan# 982
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

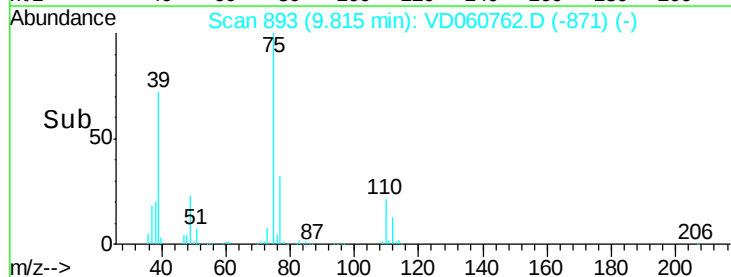
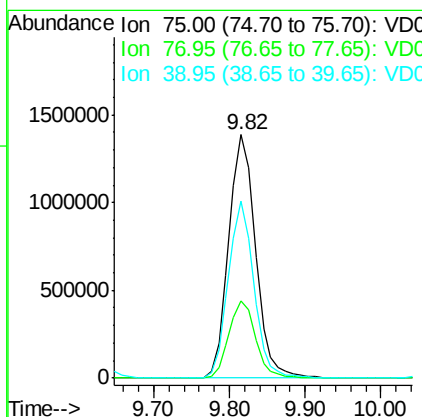
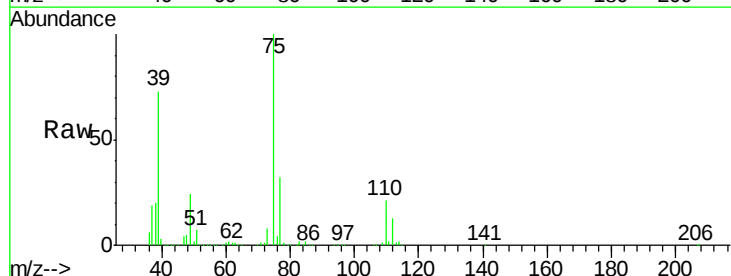
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

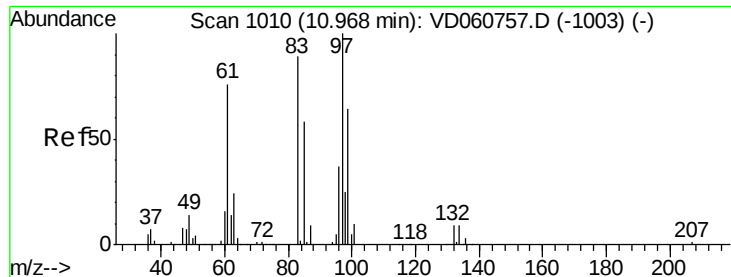
Tot Ion: 75 Resp: 3074856
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0



#54
cis-1,3-Dichloropropene
Concen: 159.146 ug/l
RT: 9.82 min Scan# 893
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 75 Resp: 3400541
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 72.5 47.0 70.4#





#55

1,1,2-Trichloroethane

Concen: 152.451 ug/l

RT: 10.98 min Scan# 1011

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 1517788

Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.0	105.0
85	55.9	46.6	70.0
99	61.8	49.6	74.4

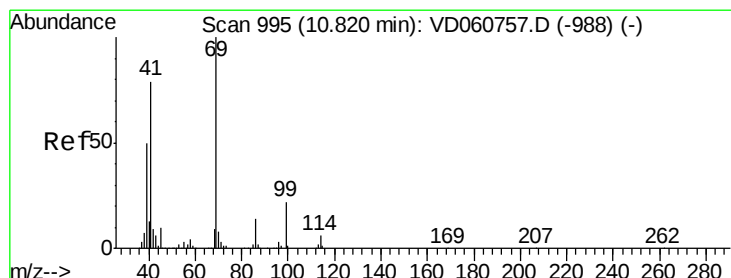
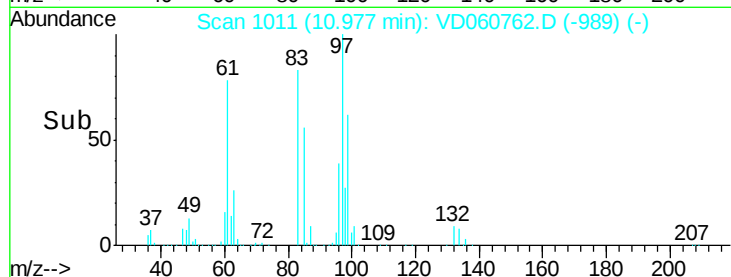
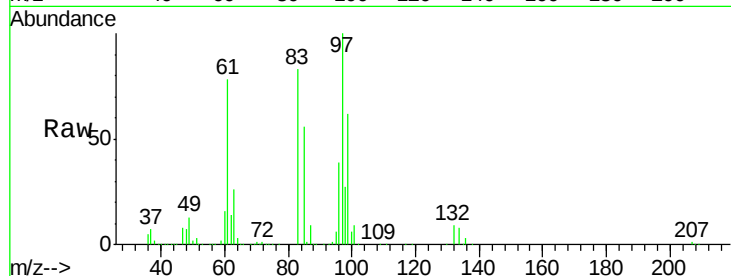
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



#56

Ethyl methacrylate

Concen: 203.208 ug/l

RT: 10.83 min Scan# 996

Delta R.T. 0.03 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Tgt Ion: 69 Resp: 1879127

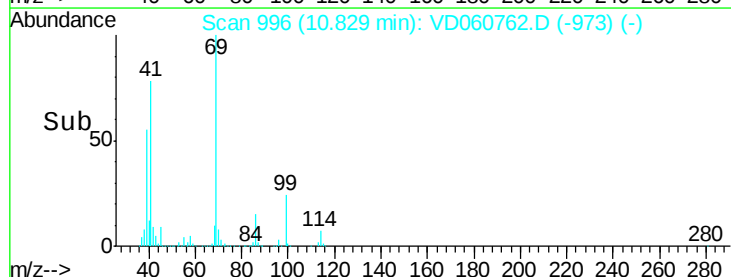
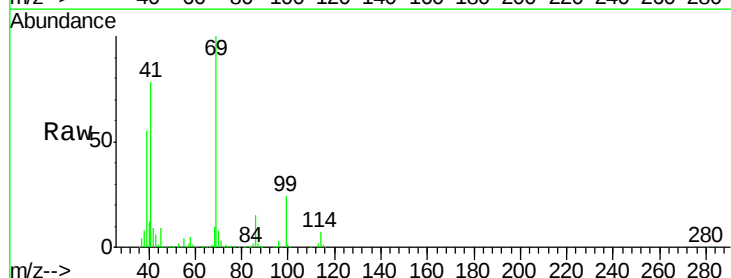
Ion	Ratio	Lower	Upper
69	100		
41	78.0	68.3	102.5
39	54.7	37.2	55.8

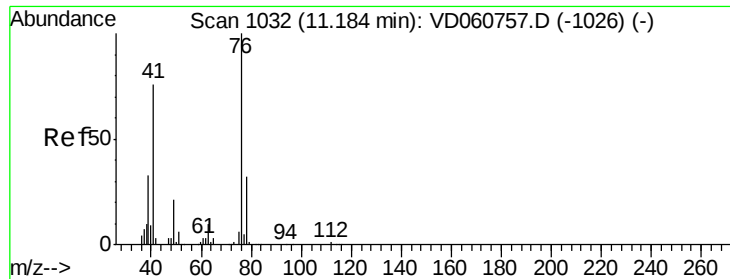
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 165.565 ug/l

RT: 11.19 min Scan# 1033

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

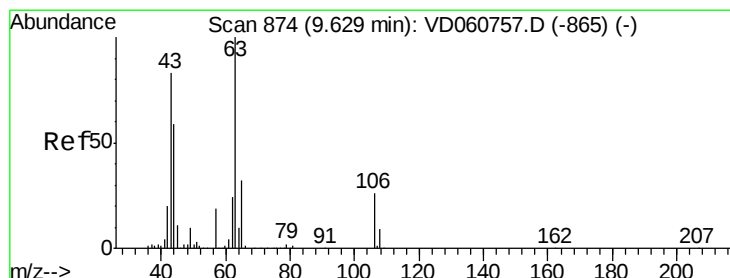
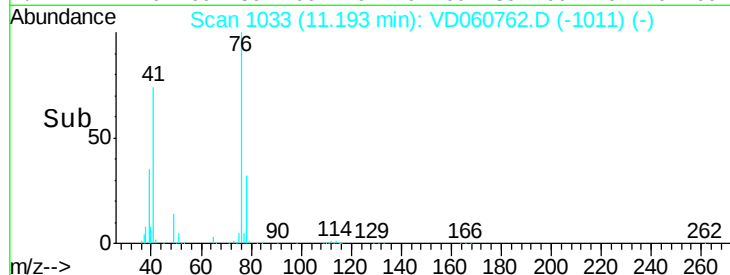
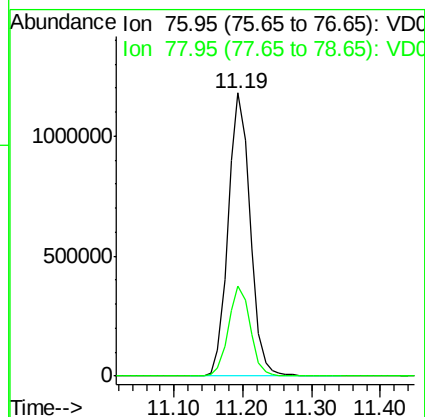
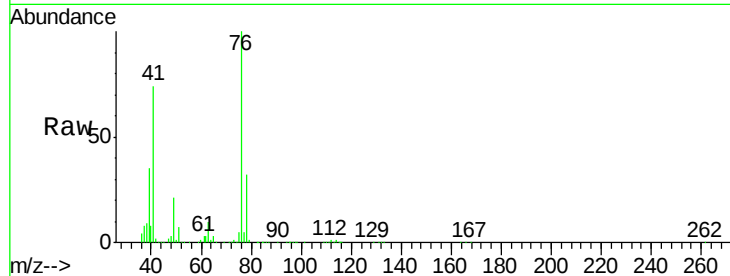
VSTDICC150

Tot Ion: 76 Resp: 2612711

Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 741.663 ug/l

RT: 9.64 min Scan# 875

Delta R.T. 0.03 min

Lab File: VD060762.D

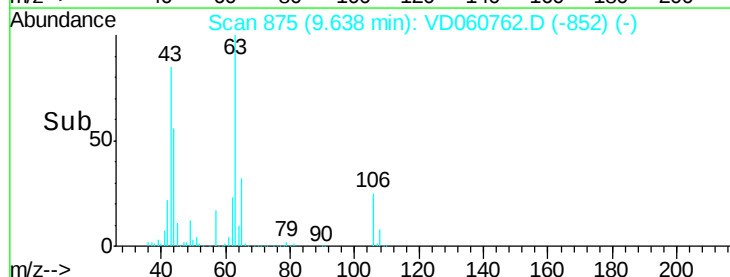
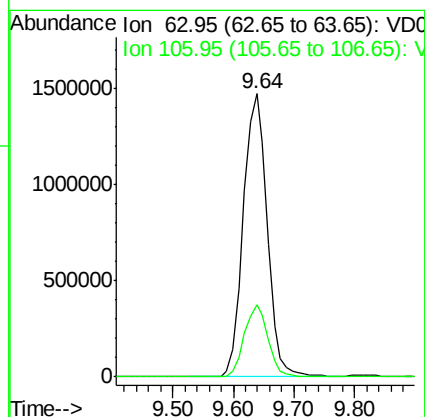
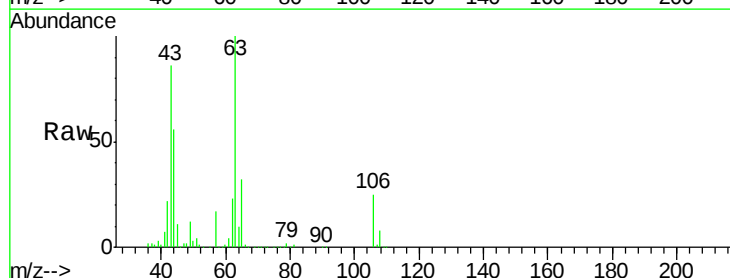
Acq: 18 Jan 2019 15:37

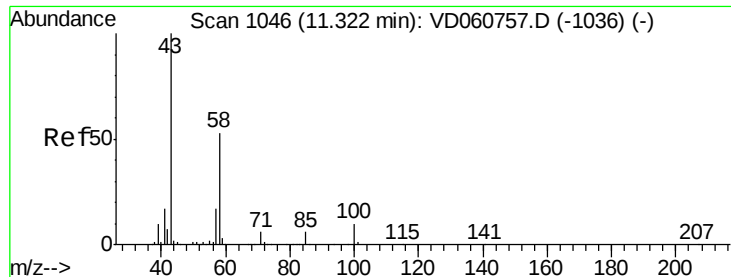
Tgt Ion: 63 Resp: 4041135

Ion Ratio Lower Upper

63 100

106 25.4 22.4 33.6





#59

2-Hexanone

Concen: 885.997 ug/l

RT: 11.32 min Scan# 1046

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

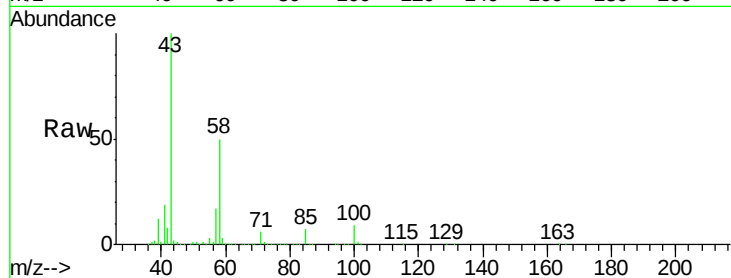
VSTDIC150

Tot Ion: 43 Resp: 4659849

Ion Ratio Lower Upper

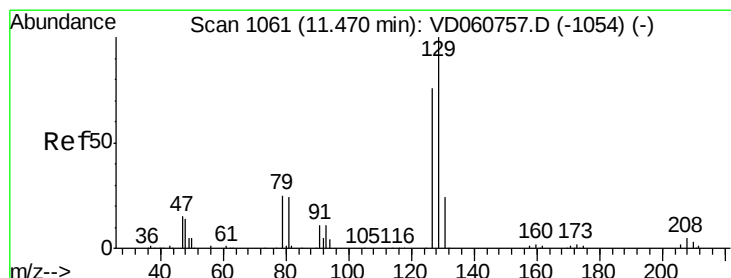
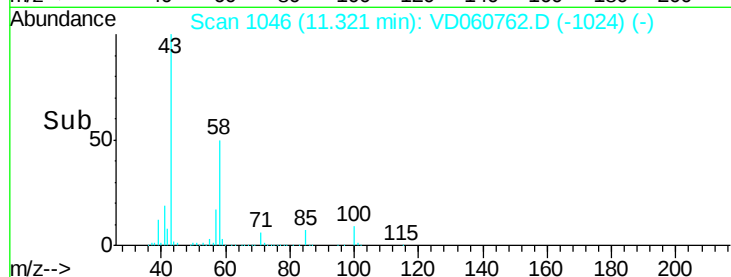
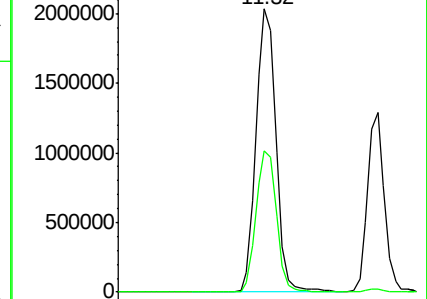
43 100

58 50.1 23.5 70.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 184.270 ug/l

RT: 11.48 min Scan# 1062

Delta R.T. 0.02 min

Lab File: VD060762.D

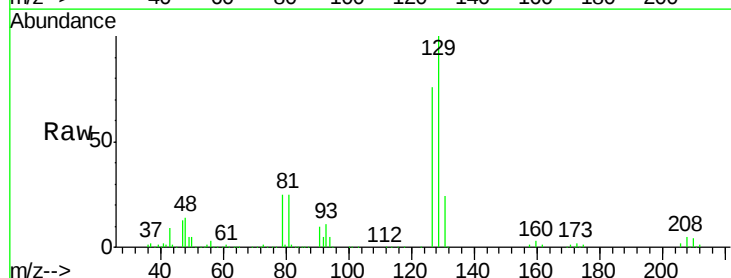
Acq: 18 Jan 2019 15:37

Tgt Ion: 129 Resp: 2336810

Ion Ratio Lower Upper

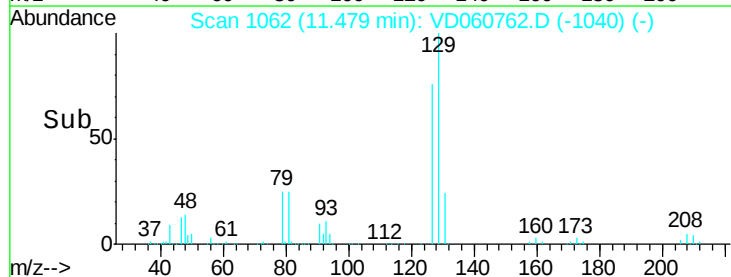
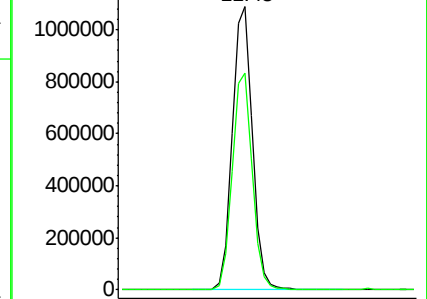
129 100

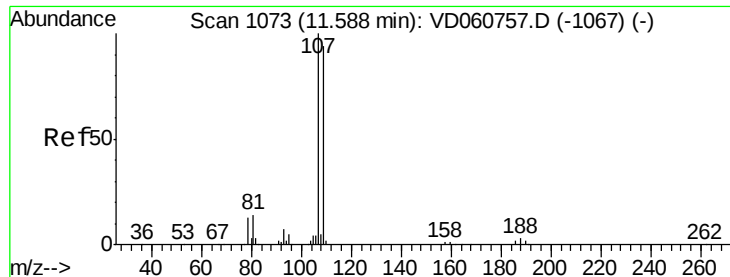
127 76.4 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

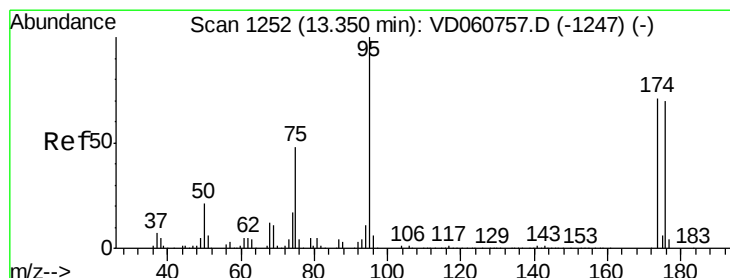
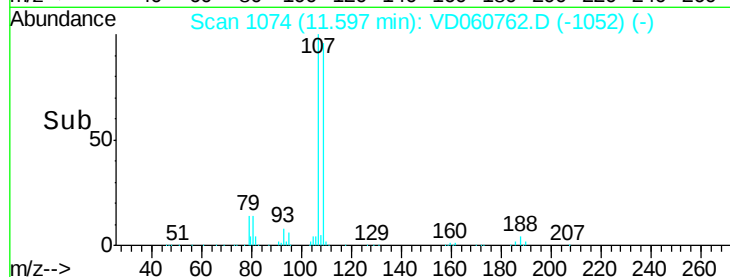
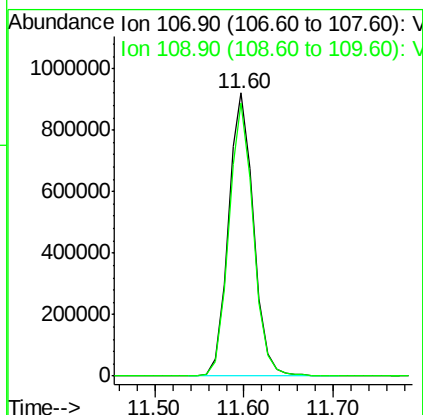
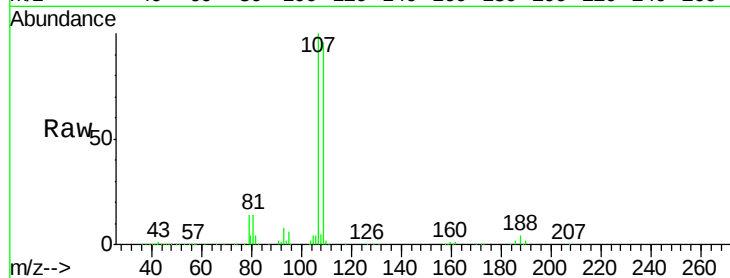




#61
 1,2-Dibromoethane
 Concen: 176.373 ug/l
 RT: 11.60 min Scan# 1074
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

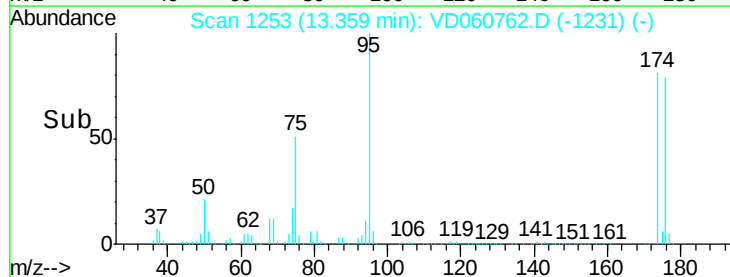
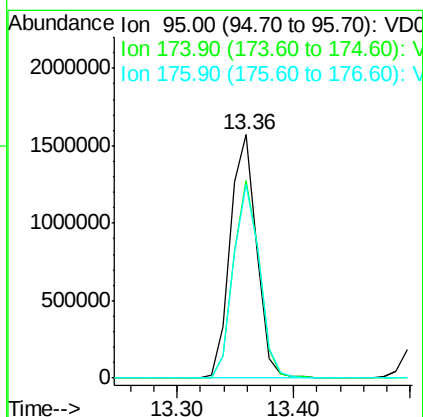
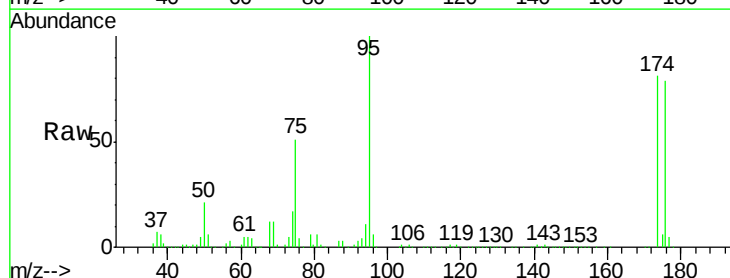
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

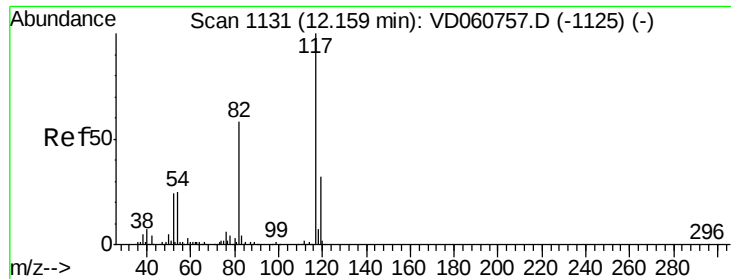
Tot Ion:107 Resp: 1821344
 Ion Ratio Lower Upper
 107 100
 109 96.3 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 176.373 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion: 95 Resp: 2459804
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 158.2
 176 79.3 0.0 152.4

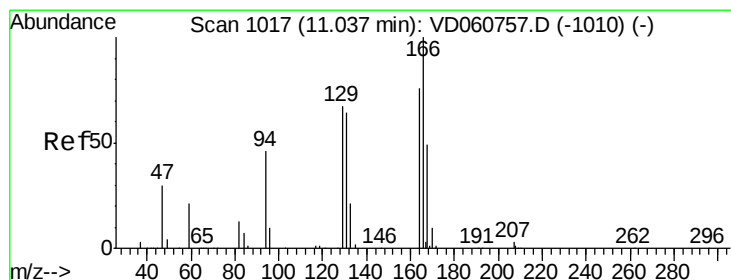
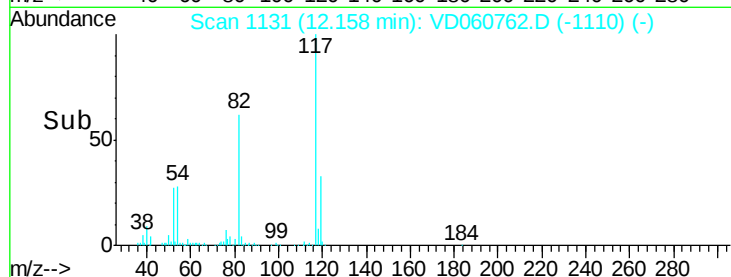
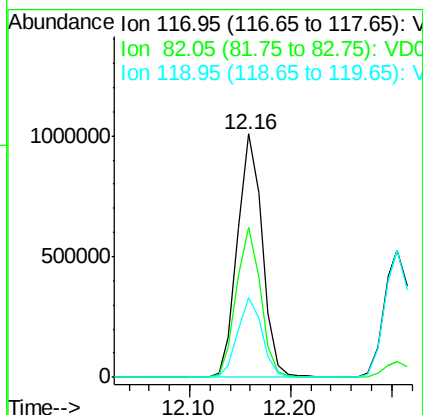
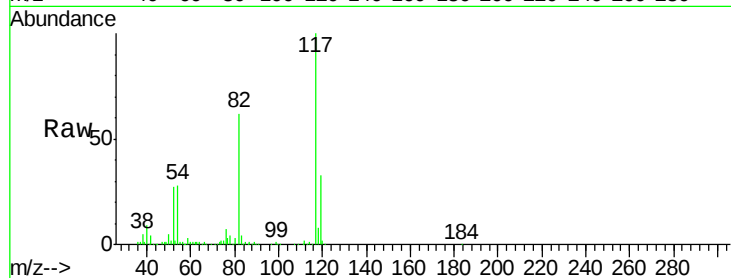




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

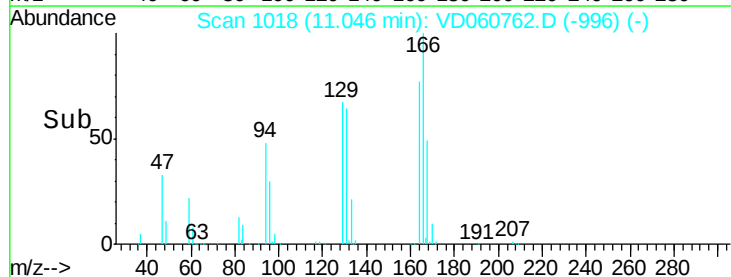
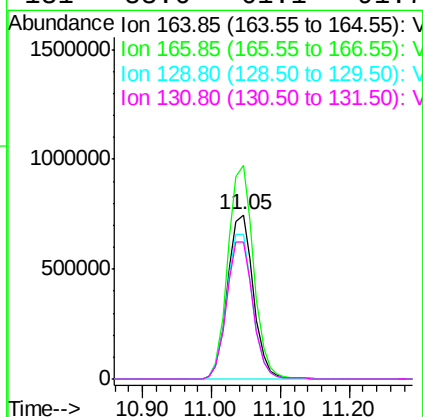
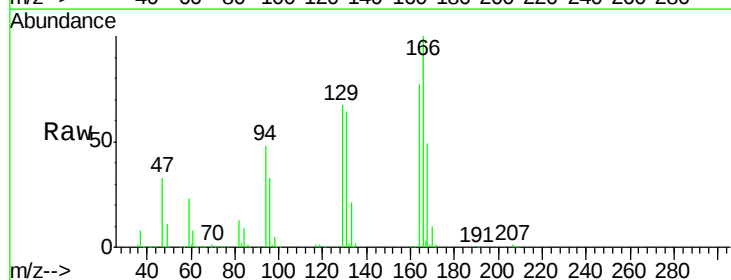
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

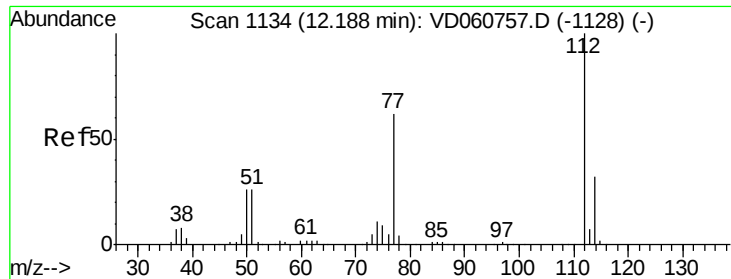
Tot Ion:117 Resp: 1724109
Ion Ratio Lower Upper
117 100
82 61.9 44.5 66.7
119 32.9 26.3 39.5



#64
Tetrachloroethene
Concen: 123.501 ug/l
RT: 11.05 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion:164 Resp: 1929919
Ion Ratio Lower Upper
164 100
166 130.1 104.4 156.6
129 87.7 62.7 94.1
131 83.6 61.1 91.7

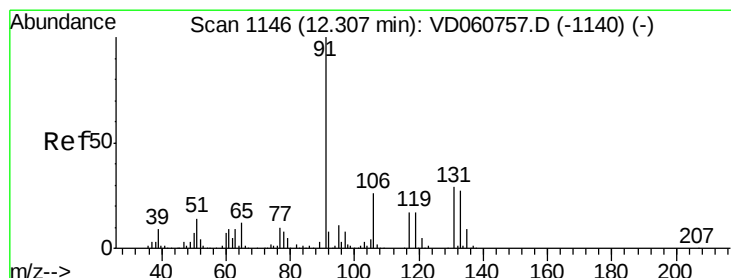
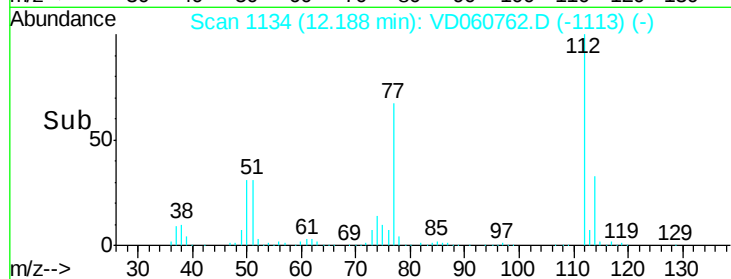
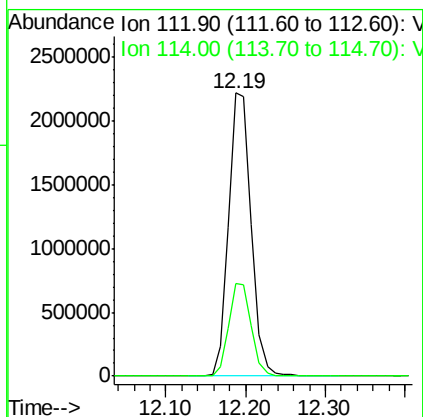
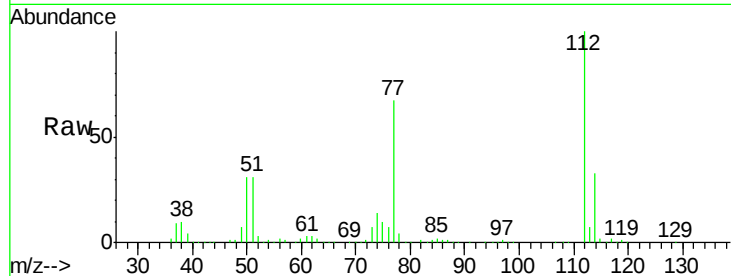




#65
Chlorobenzene
Concen: 116.255 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

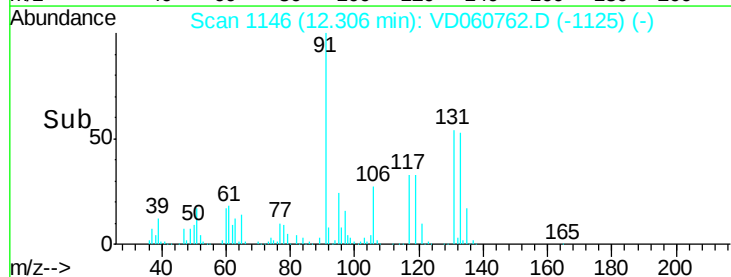
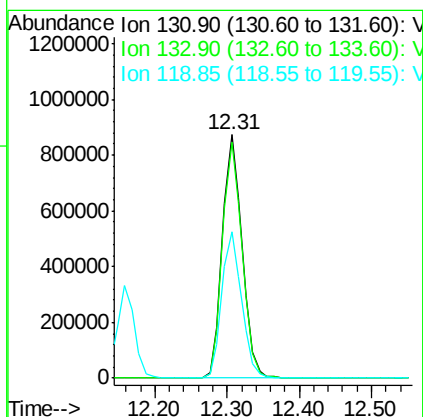
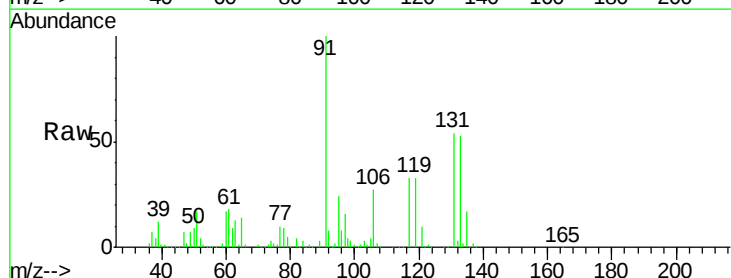
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

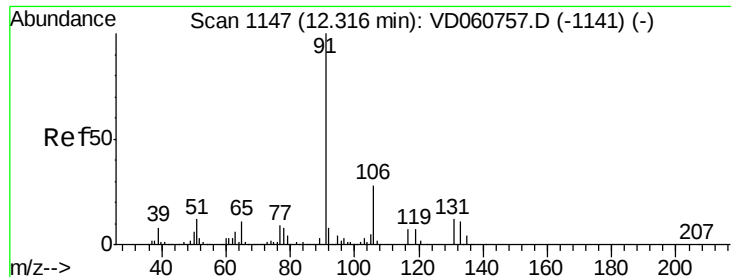
Tot Ion:112 Resp: 4428347
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 134.653 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion:131 Resp: 1649173
Ion Ratio Lower Upper
131 100
133 96.7 49.1 147.3
119 60.3 36.6 109.8





#67

Ethyl Benzene

Concen: 97.846 ug/l

RT: 12.33 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

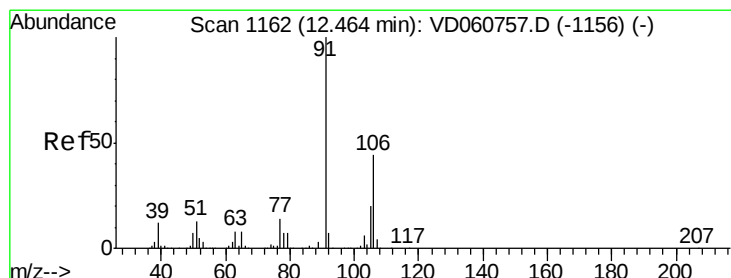
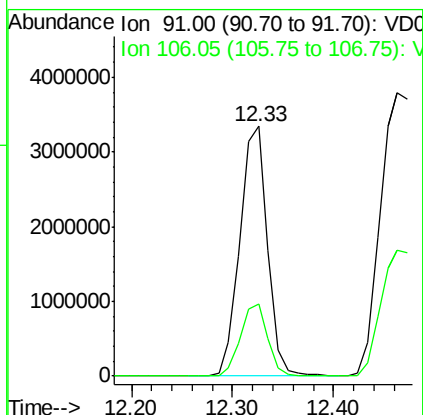
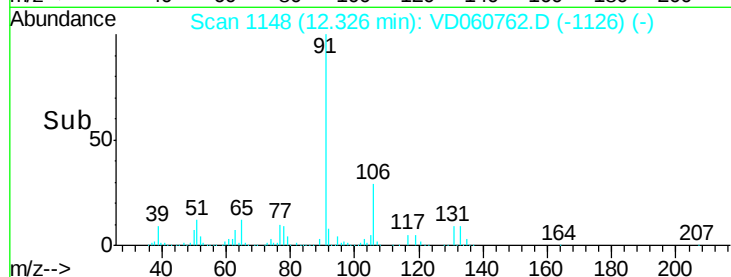
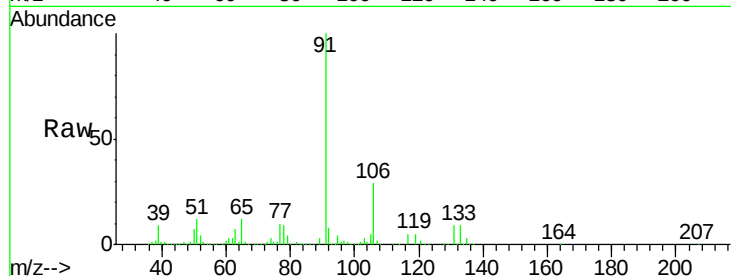
VSTDIC150

Tot Ion: 91 Resp: 6383098

Ion Ratio Lower Upper

91 100

106 28.9 24.6 36.8



#68

m/p-Xylenes

Concen: 180.204 ug/l

RT: 12.46 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VD060762.D

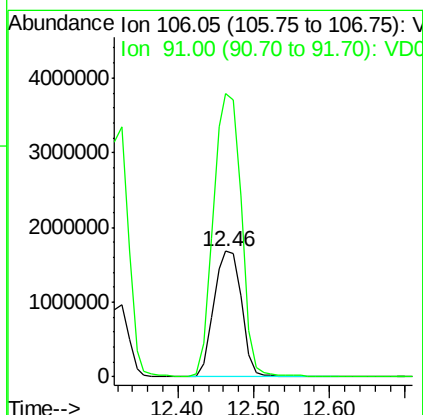
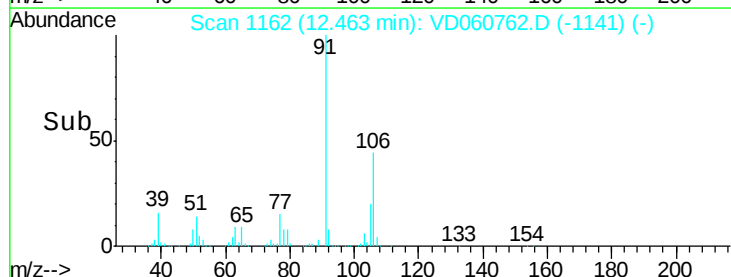
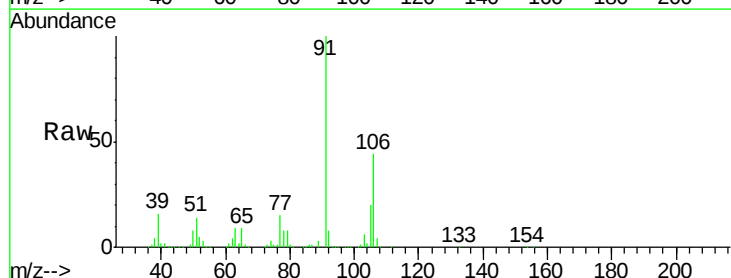
Acq: 18 Jan 2019 15:37

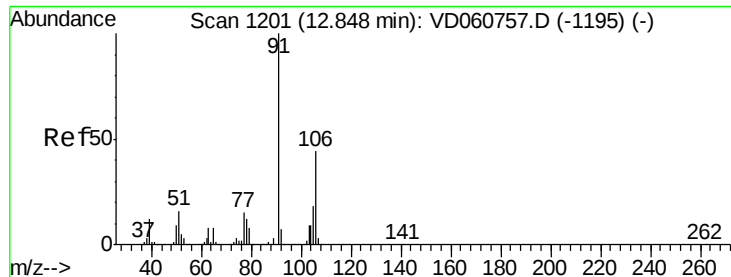
Tgt Ion: 106 Resp: 4296192

Ion Ratio Lower Upper

106 100

91 225.7 158.9 238.3





#69

o-Xylene

Concen: 107.242 ug/l

RT: 12.85 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

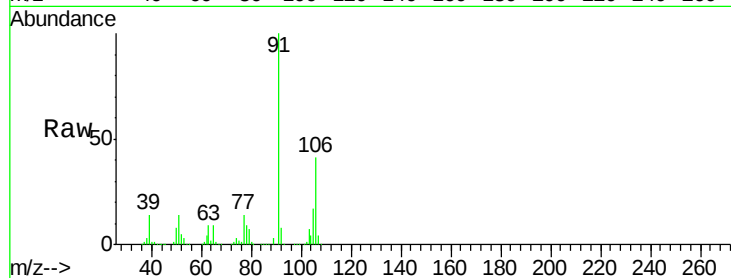
VSTDIC150

Tot Ion:106 Resp: 2425644

Ion Ratio Lower Upper

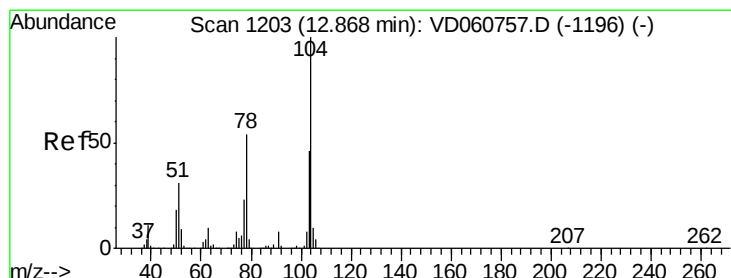
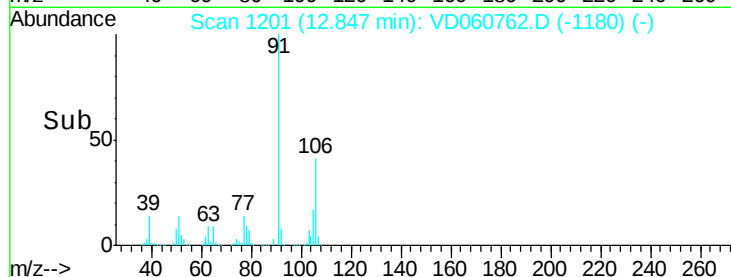
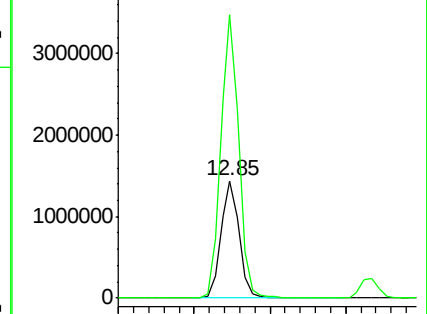
106 100

91 241.4 101.5 304.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 108.965 ug/l

RT: 12.88 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

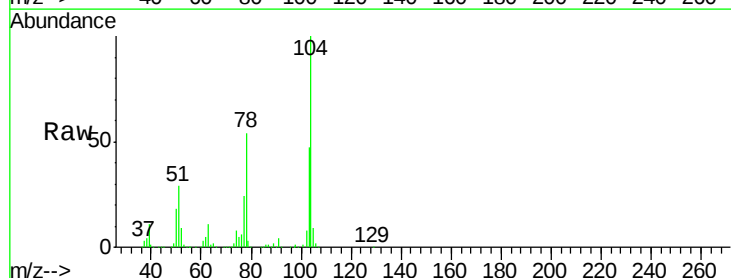
Tgt Ion:104 Resp: 3969445

Ion Ratio Lower Upper

104 100

78 54.4 31.4 47.2#

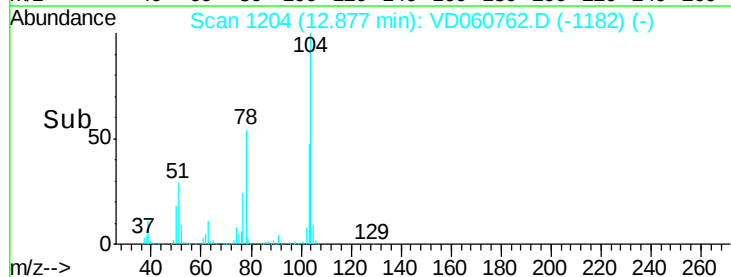
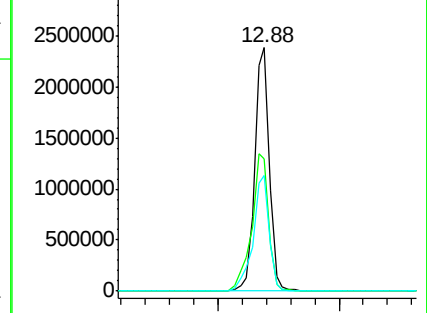
103 47.3 37.5 56.3

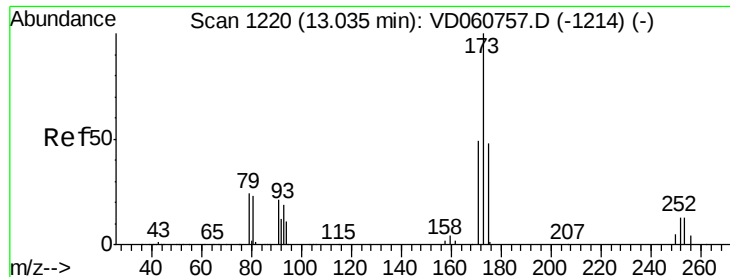


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 195.836 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

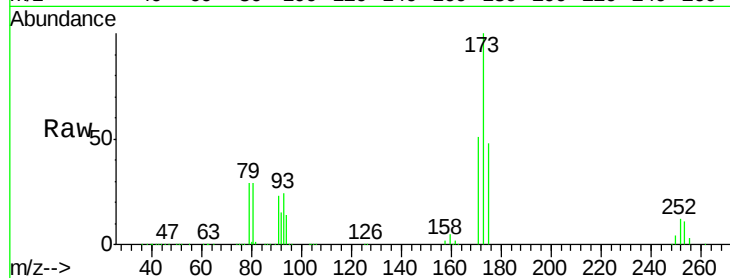
Tot Ion:173 Resp: 1583256

Ion Ratio Lower Upper

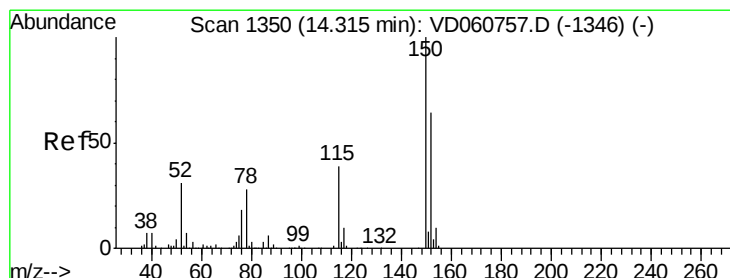
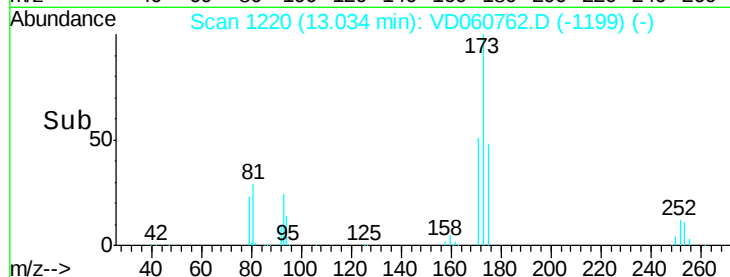
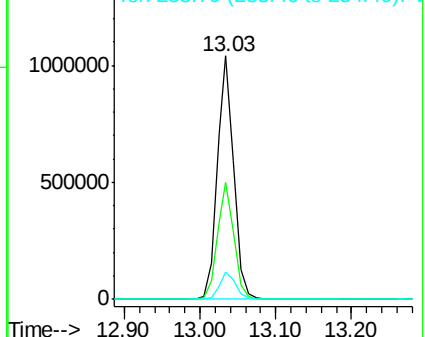
173 100

175 48.2 25.5 76.5

254 11.3 7.9 11.9



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

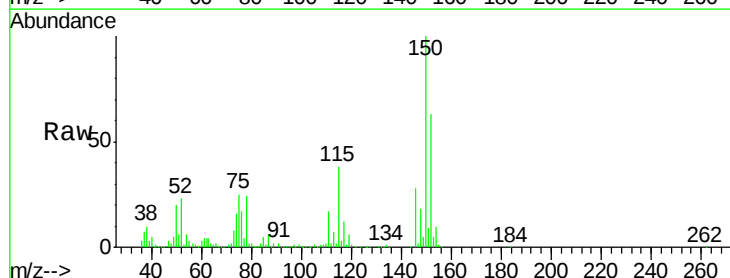
Tgt Ion:152 Resp: 760187

Ion Ratio Lower Upper

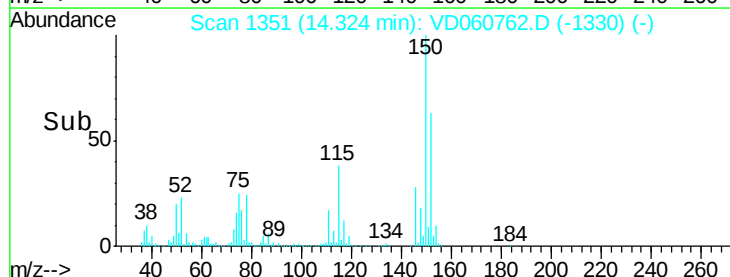
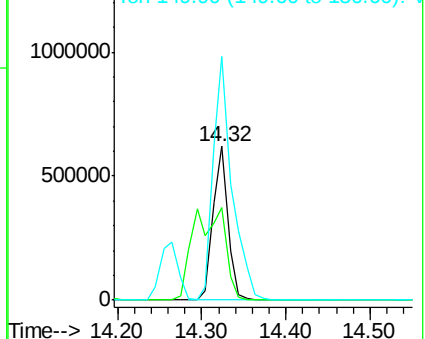
152 100

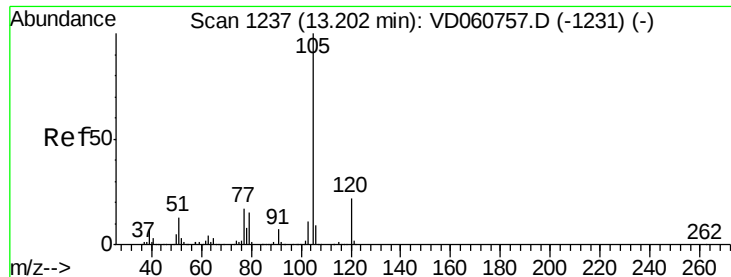
115 60.3 24.1 72.3

150 158.4 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: 133.295 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

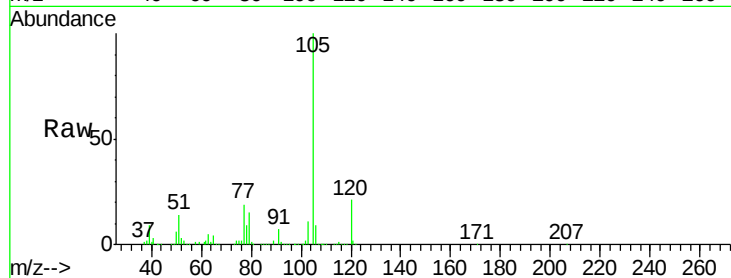
VSTDIC150

Tot Ion:105 Resp: 7214540

Ion Ratio Lower Upper

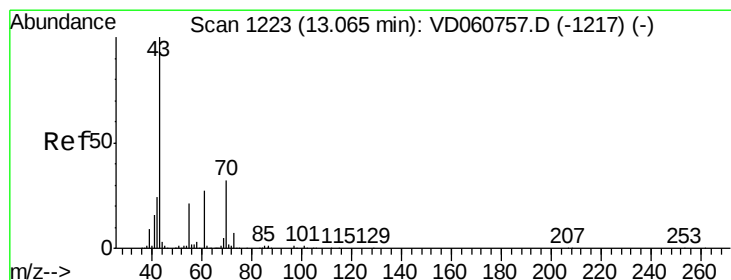
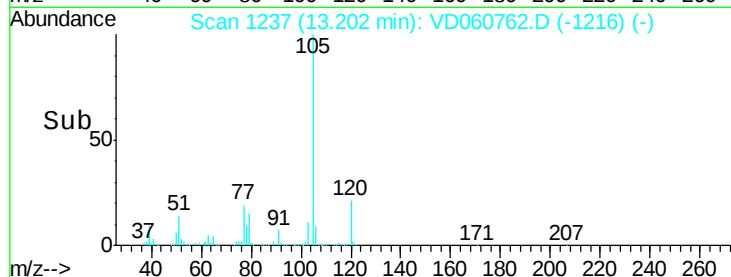
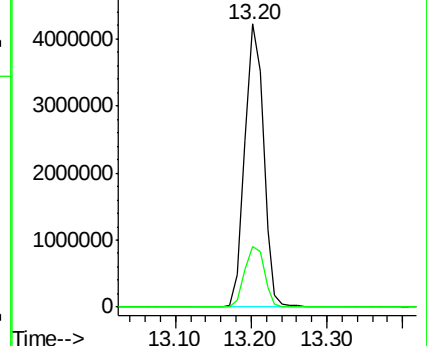
105 100

120 21.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 215.528 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Tgt Ion: 43 Resp: 2753151

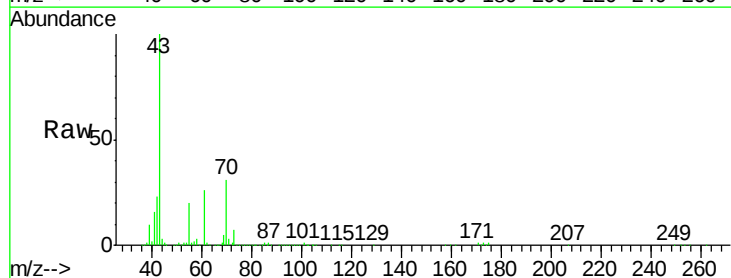
Ion Ratio Lower Upper

43 100

70 30.7 22.2 33.2

55 20.0 13.8 20.8

61 25.8 18.2 27.2

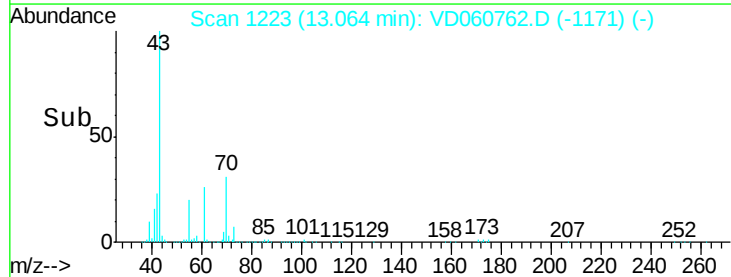
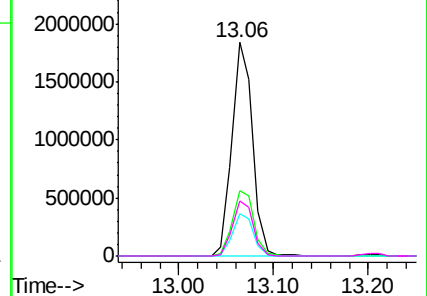


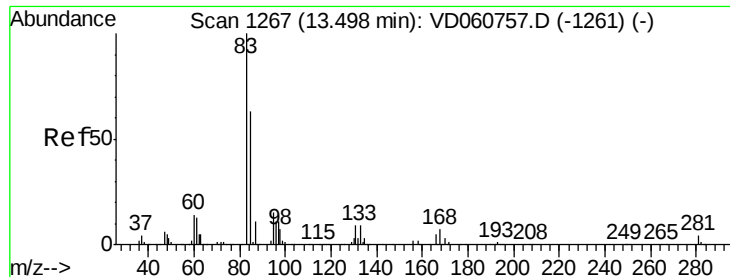
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 189.831 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

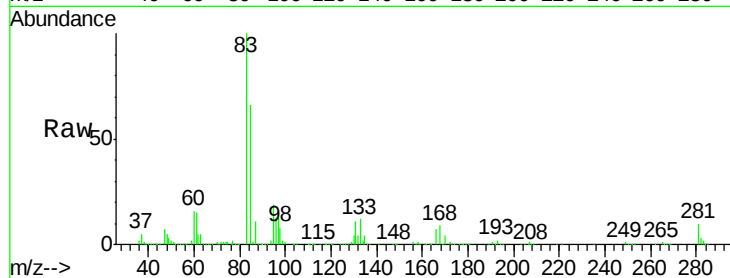
Tot Ion: 83 Resp: 1665380

Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.2	12.4
85	65.7	32.6	97.7

83 100

131 11.0 4.2 12.4

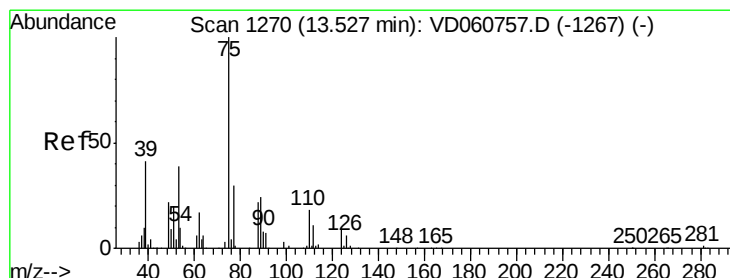
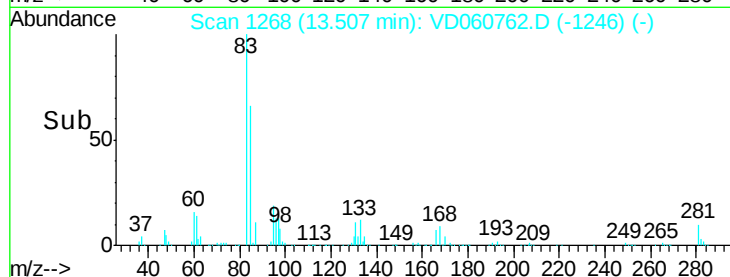
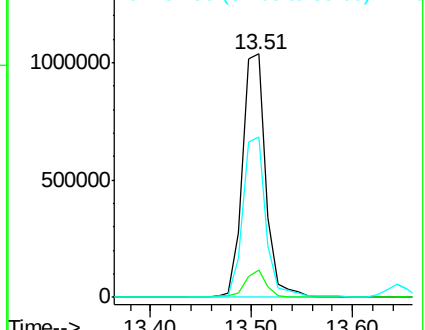
85 65.7 32.6 97.7



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: 215.288 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD060762.D

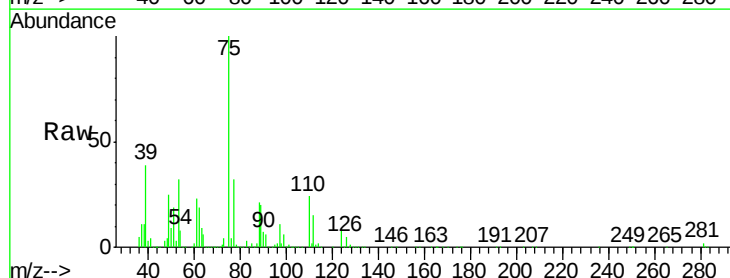
Acq: 18 Jan 2019 15:37

Tgt Ion: 75 Resp: 1863233

Ion	Ratio	Lower	Upper
75	100		
77	32.3	16.7	50.0

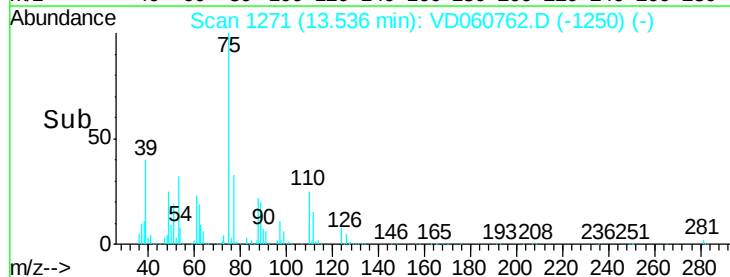
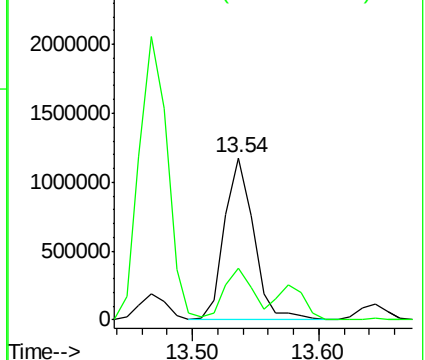
75 100

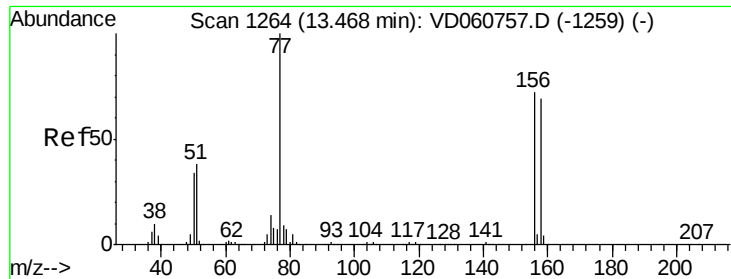
77 32.3 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 149.126 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

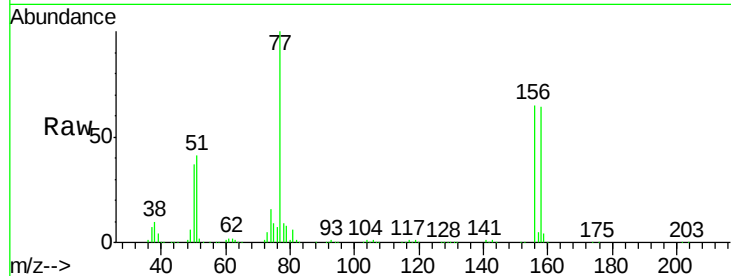
Tot Ion:156 Resp: 2130937

Ion Ratio Lower Upper

156 100

77 154.3 61.3 183.9

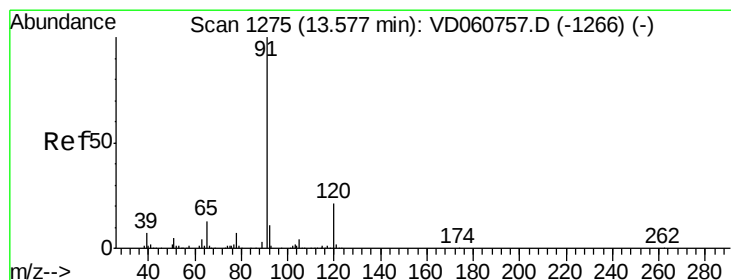
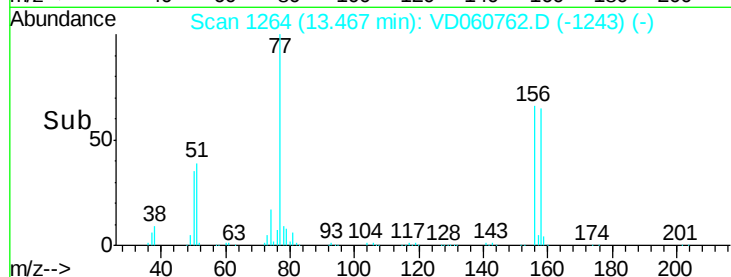
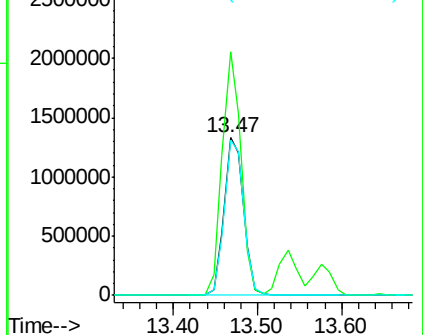
158 98.2 48.9 146.6



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: 126.052 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VD060762.D

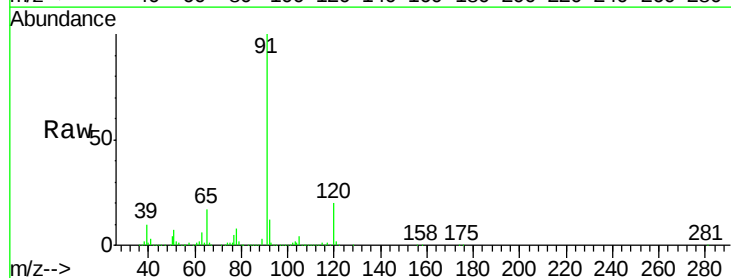
Acq: 18 Jan 2019 15:37

Tgt Ion: 91 Resp: 8722076

Ion Ratio Lower Upper

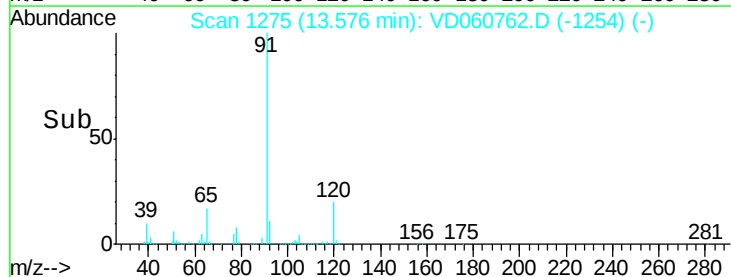
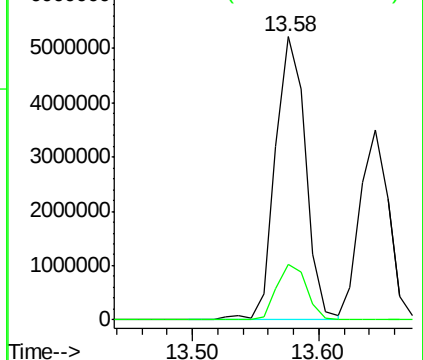
91 100

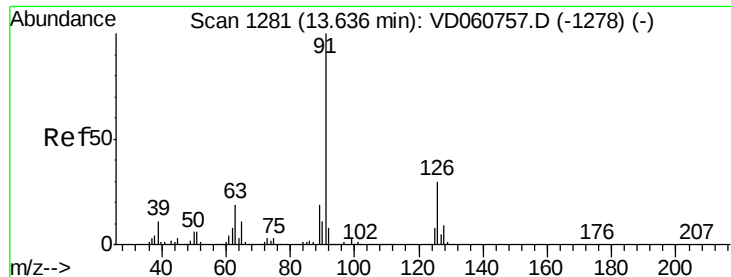
120 19.6 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 147.597 ug/l

RT: 13.64 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

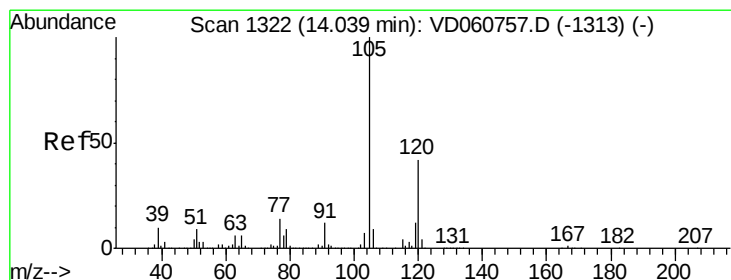
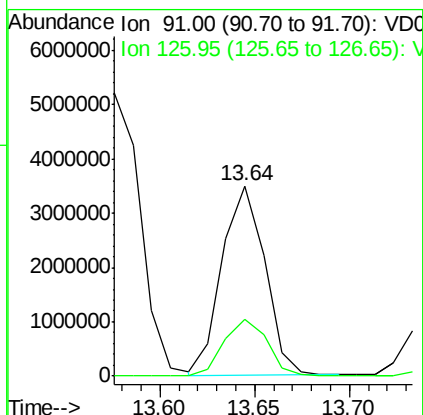
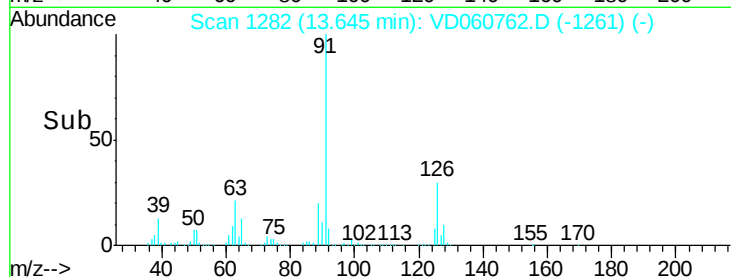
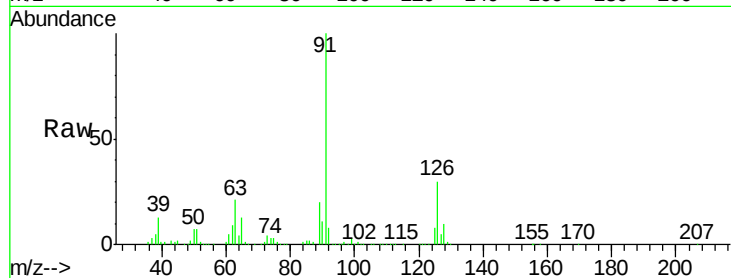
VSTDIC150

Tot Ion: 91 Resp: 5470109

Ion Ratio Lower Upper

91 100

126 29.9 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 132.036 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD060762.D

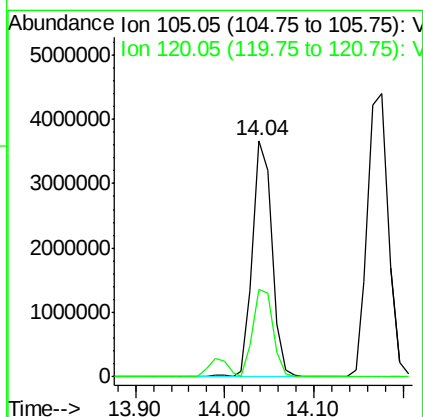
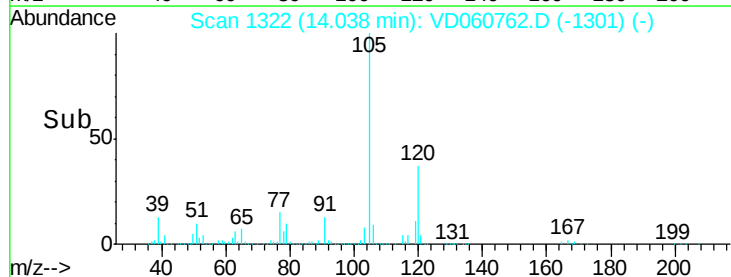
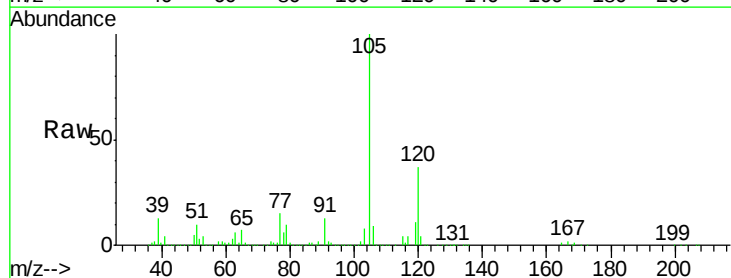
Acq: 18 Jan 2019 15:37

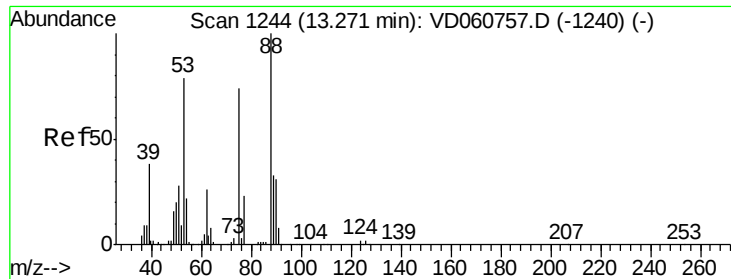
Tgt Ion:105 Resp: 5518322

Ion Ratio Lower Upper

105 100

120 37.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 253.361 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

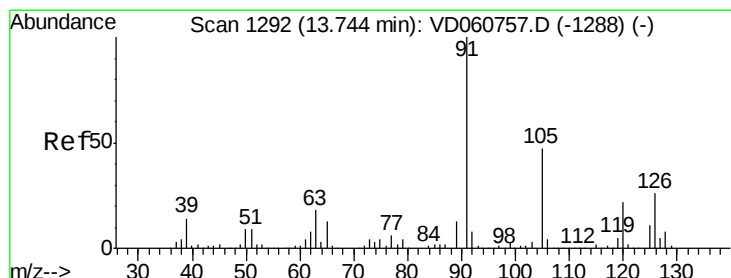
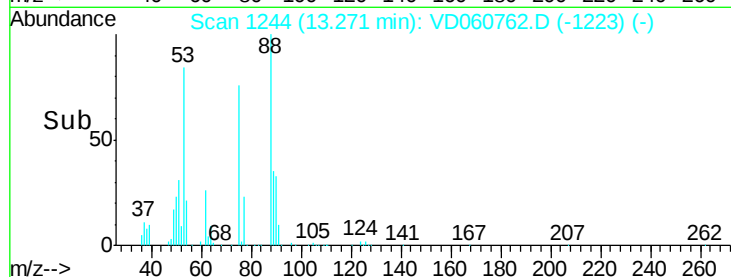
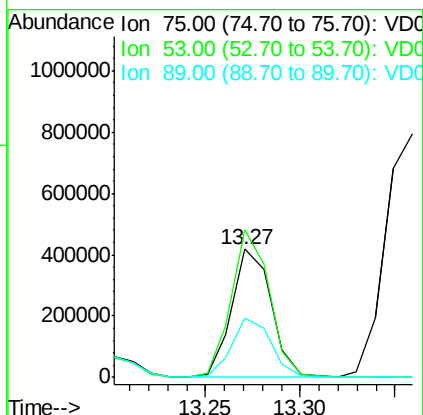
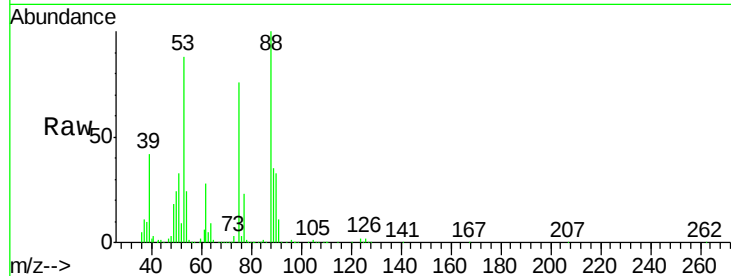
Tot Ion: 75 Resp: 605907

Ion Ratio Lower Upper

75 100

53 115.4 72.1 108.1#

89 45.8 35.1 52.7



#82

4-Chlorotoluene

Concen: 120.178 ug/l

RT: 13.75 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VD060762.D

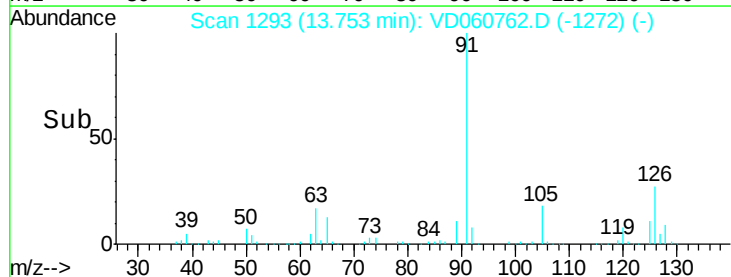
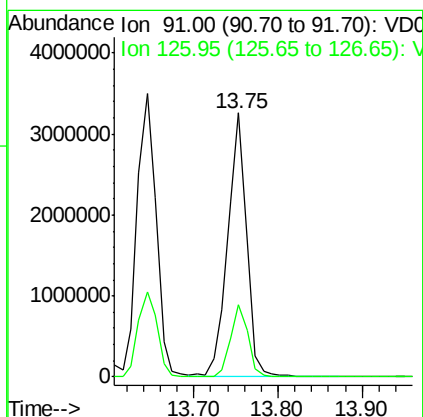
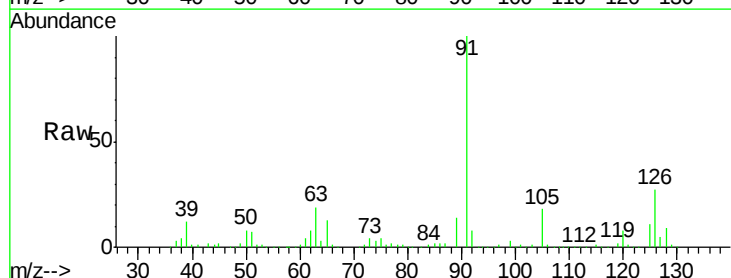
Acq: 18 Jan 2019 15:37

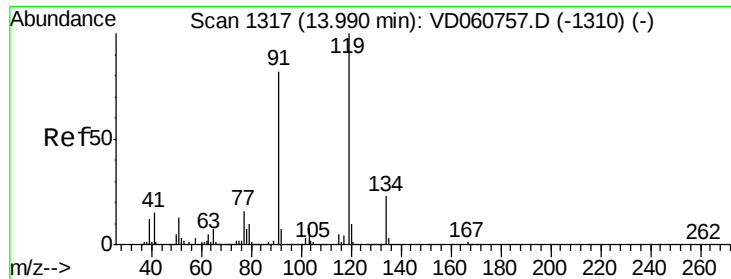
Tgt Ion: 91 Resp: 5048295

Ion Ratio Lower Upper

91 100

126 27.4 14.6 43.8

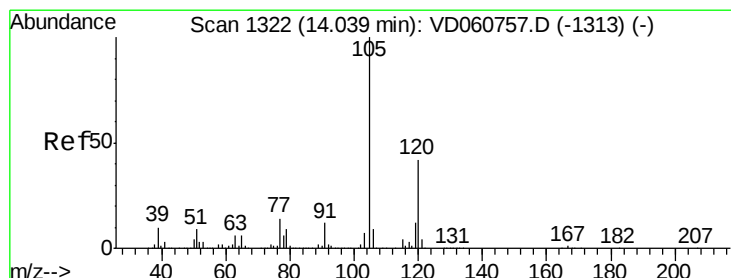
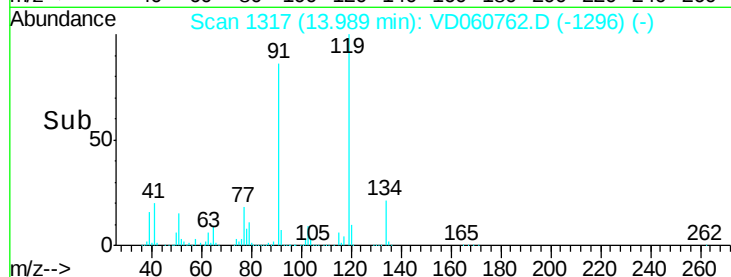
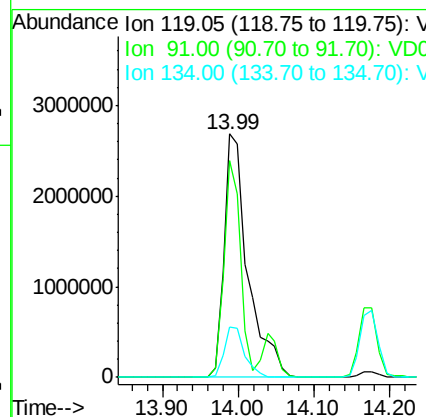
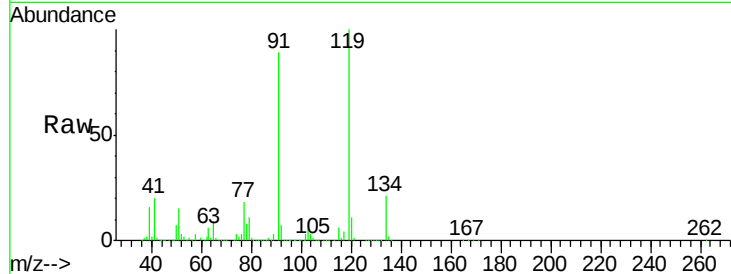




#83
 tert-Butylbenzene
 Concen: 124.262 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

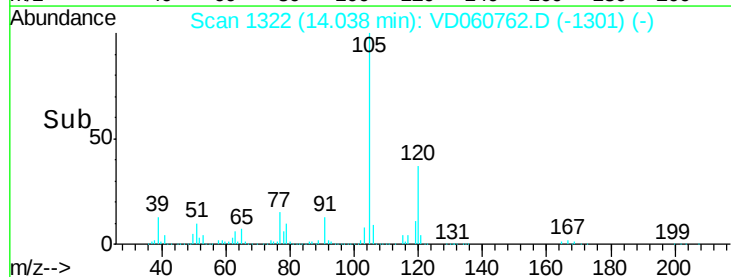
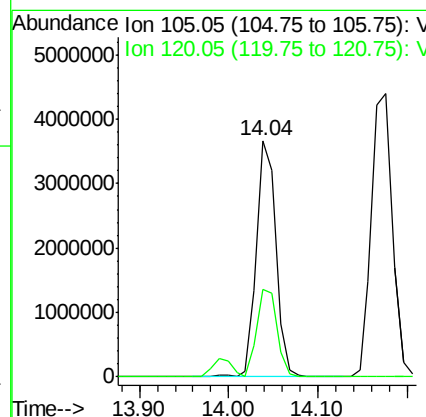
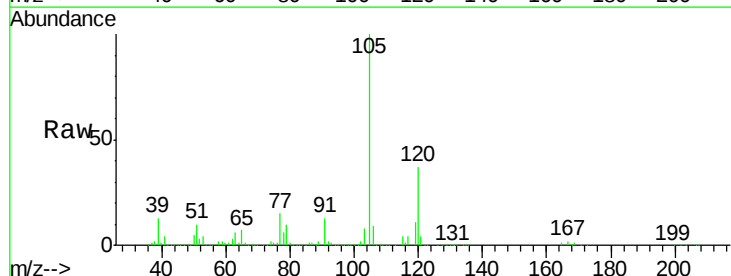
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

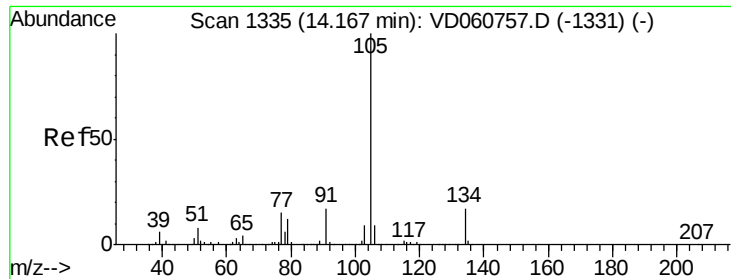
Tot Ion:119 Resp: 5910437
 Ion Ratio Lower Upper
 119 100
 91 89.0 32.5 97.4
 134 20.7 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 128.198 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion:105 Resp: 5518322
 Ion Ratio Lower Upper
 105 100
 120 37.3 22.4 67.0

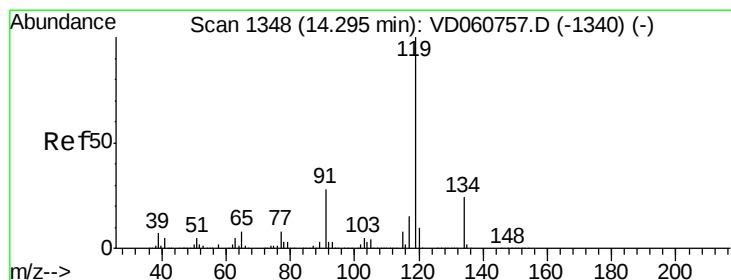
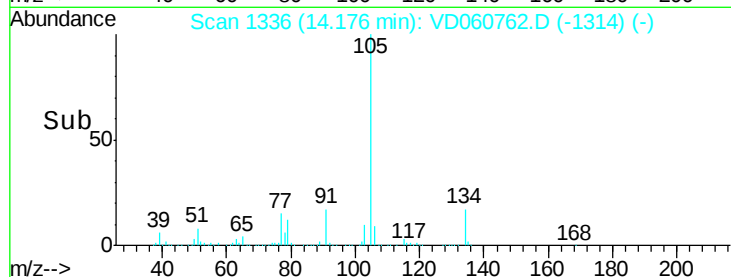
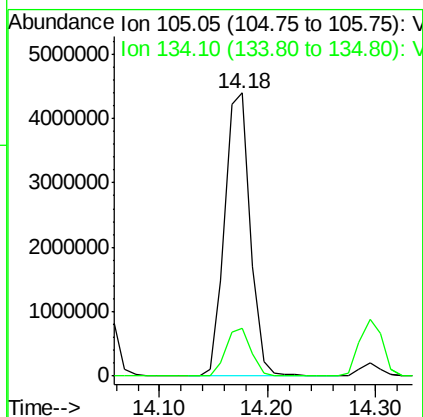
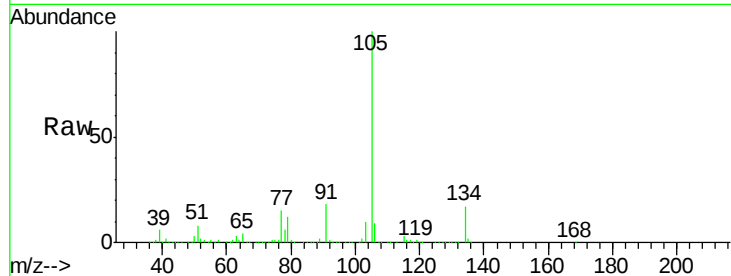




#85
 sec-Butylbenzene
 Concen: 124.276 ug/l
 RT: 14.18 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

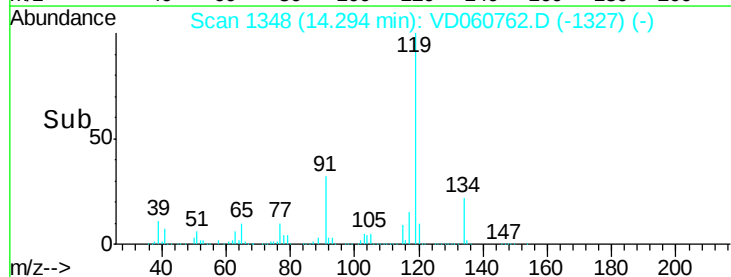
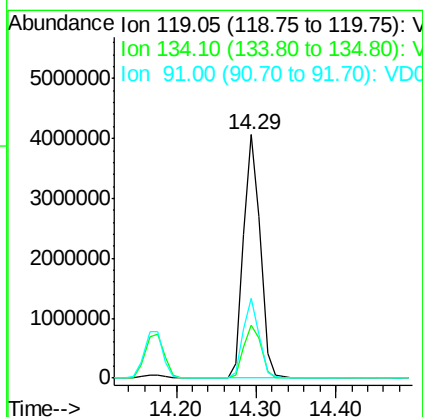
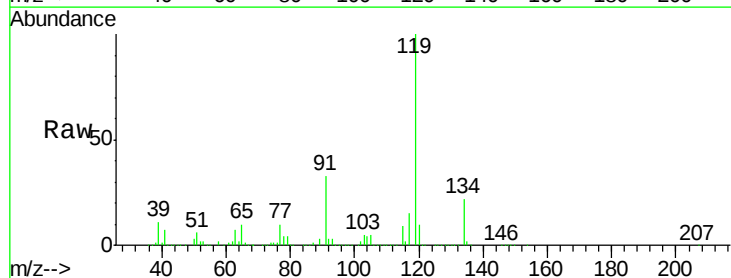
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

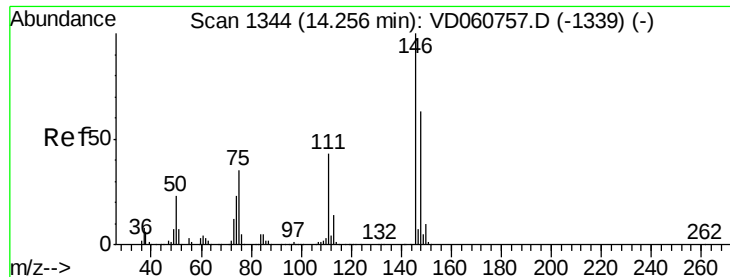
Tot Ion:105 Resp: 7208827
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 125.097 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion:119 Resp: 5857492
 Ion Ratio Lower Upper
 119 100
 134 21.8 12.5 37.5
 91 32.5 11.4 34.2

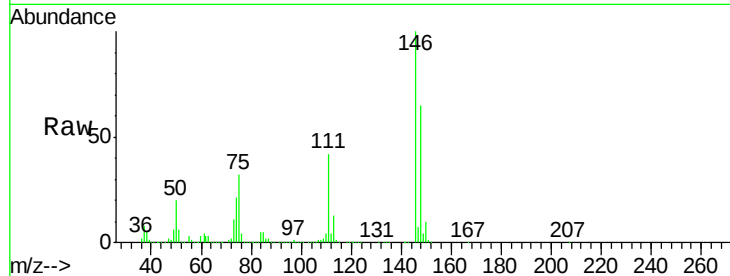




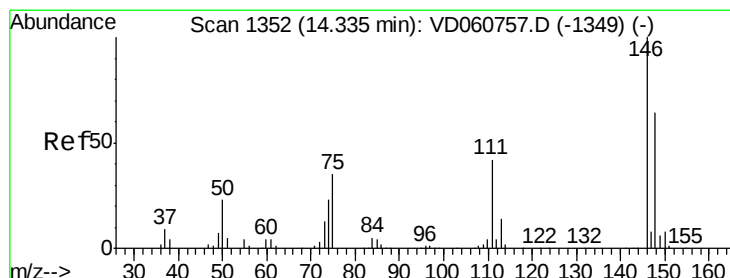
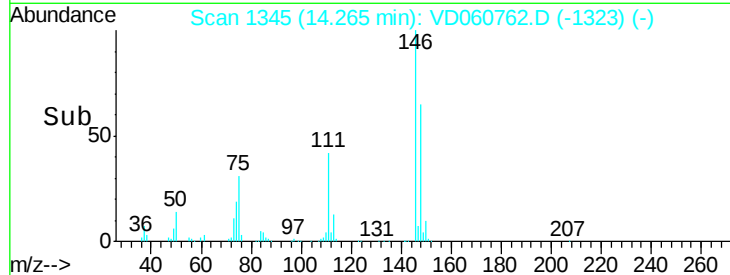
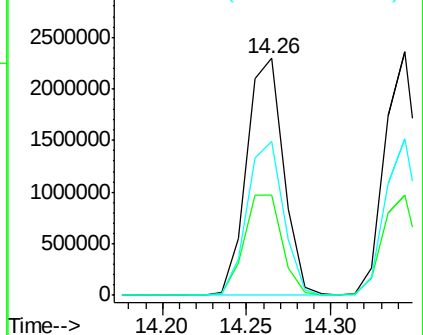
#87
 1,3-Dichlorobenzene
 Concen: 133.073 ug/l
 RT: 14.26 min Scan# 1345
 Delta R.T. 0.02 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 3490718
 Ion Ratio Lower Upper
 146 100
 111 42.2 16.6 49.8
 148 65.0 32.6 97.8

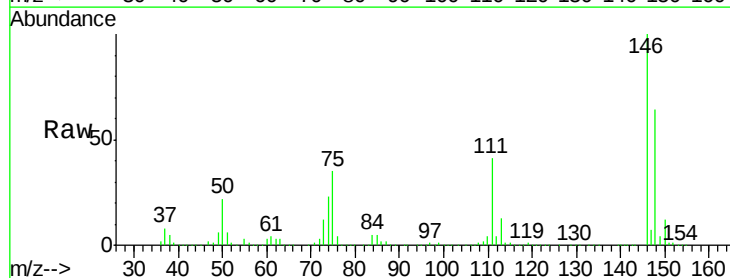


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

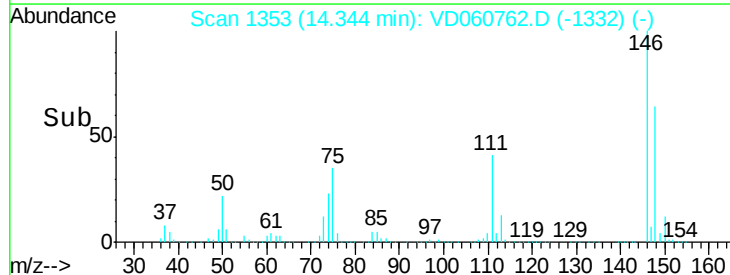
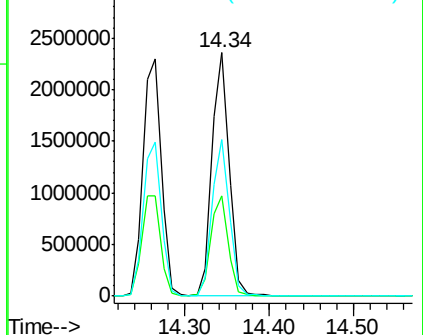


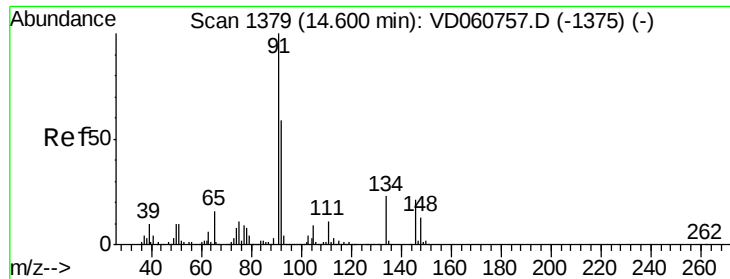
#88
 1,4-Dichlorobenzene
 Concen: 129.969 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion:146 Resp: 3359518
 Ion Ratio Lower Upper
 146 100
 111 41.2 16.2 48.5
 148 64.4 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

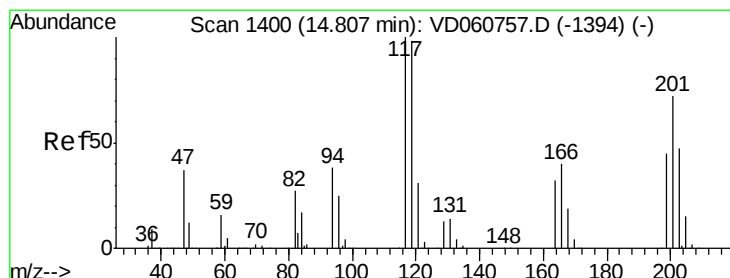
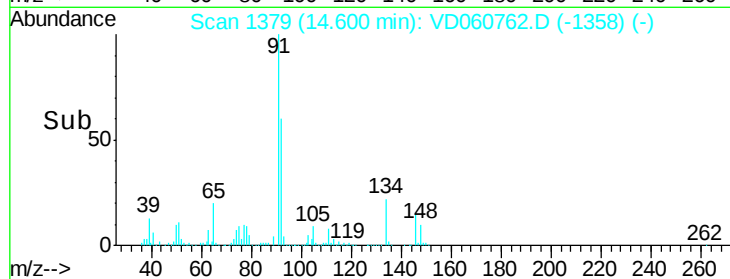
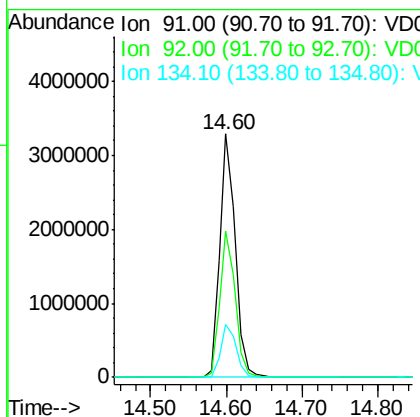
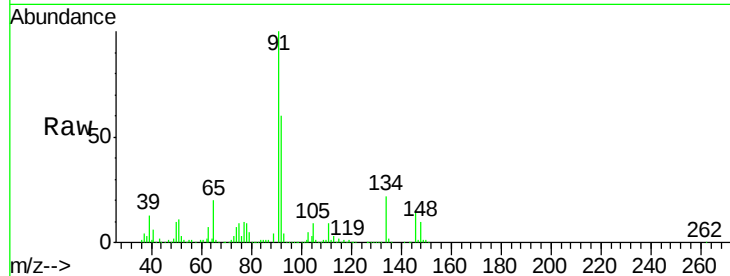




#89
n-Butylbenzene
Concen: 99.337 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

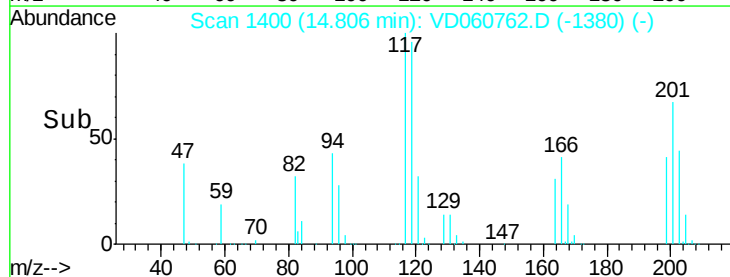
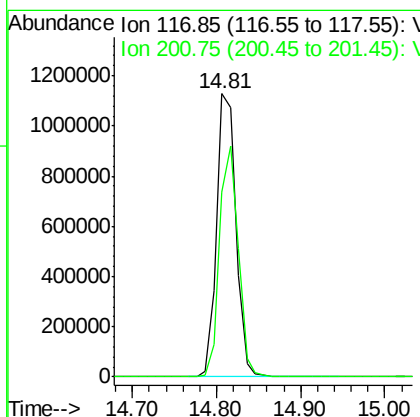
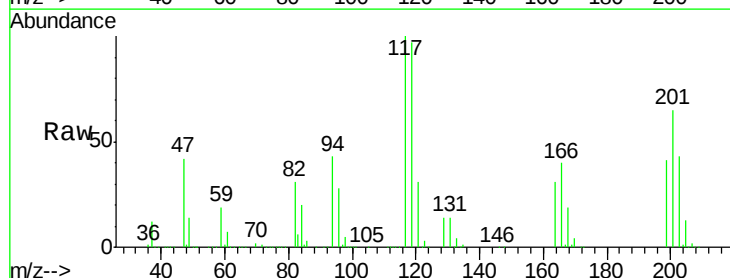
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

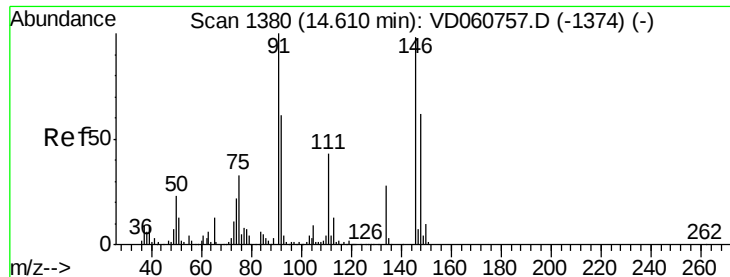
Tot Ion: 91 Resp: 4753167
Ion Ratio Lower Upper
91 100
92 59.9 29.7 89.1
134 21.5 12.7 38.1



#90
Hexachloroethane
Concen: 157.802 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion: 117 Resp: 1815180
Ion Ratio Lower Upper
117 100
201 65.4 42.6 127.8





#91

1,2-Dichlorobenzene

Concen: 103.496 ug/l

RT: 14.62 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

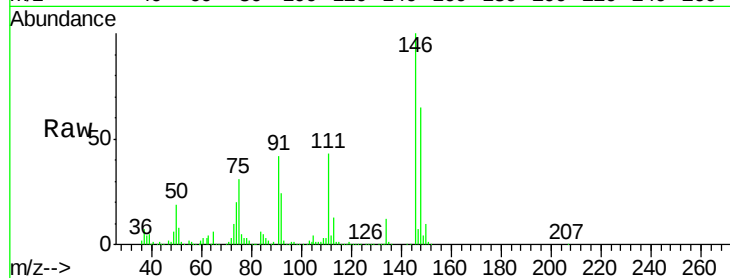
Tot Ion:146 Resp: 2177789

Ion Ratio Lower Upper

146 100

111 42.9 19.3 57.9

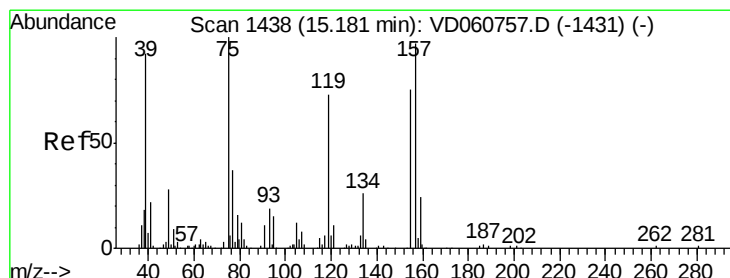
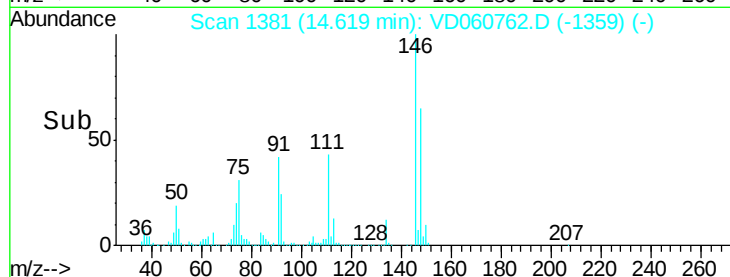
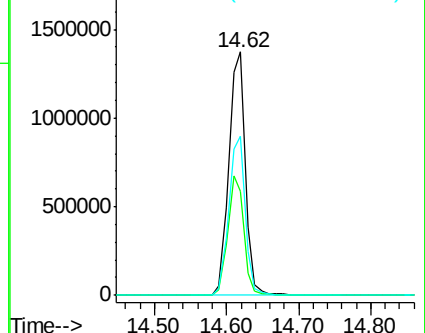
148 65.2 31.9 95.9



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: 347.977 ug/l

RT: 15.18 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VD060762.D

Acq: 18 Jan 2019 15:37

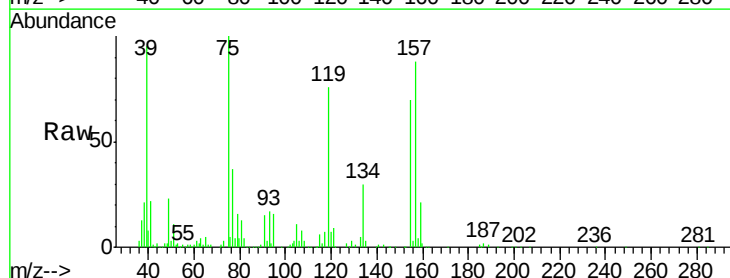
Tgt Ion: 75 Resp: 358643

Ion Ratio Lower Upper

75 100

155 70.1 41.1 123.4

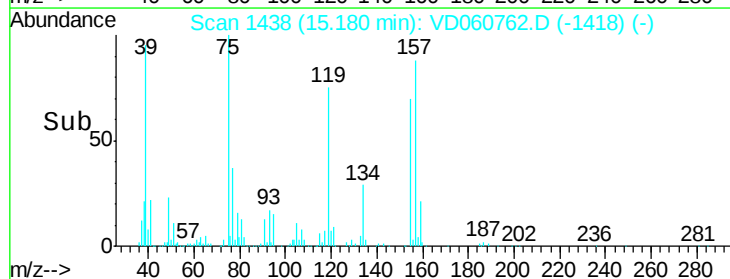
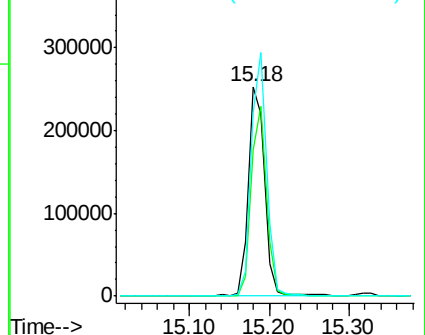
157 87.6 52.5 157.6

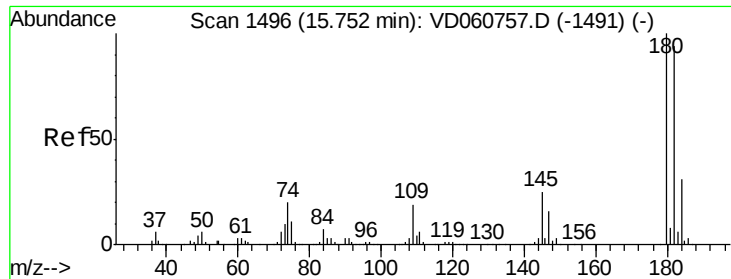


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

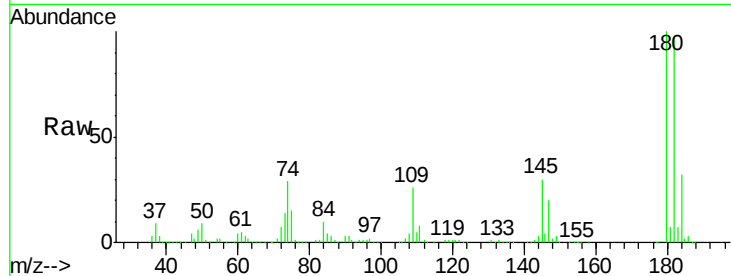




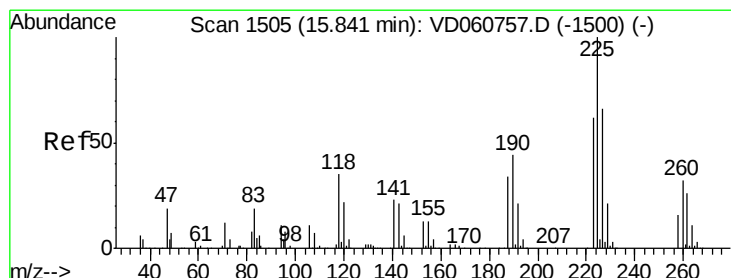
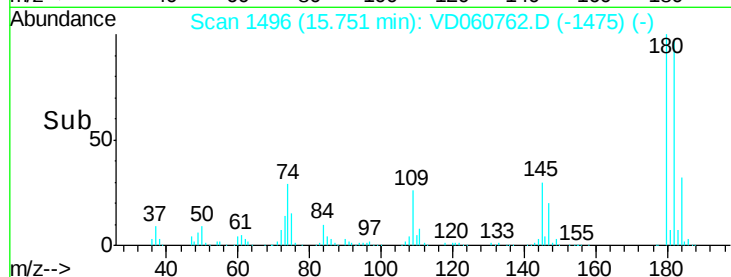
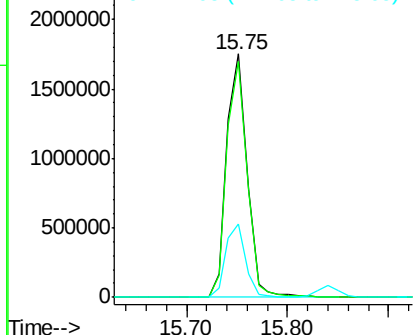
#93
 1,2,4-Trichlorobenzene
 Concen: 148.240 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 2482108
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.8 146.4
 145 30.3 11.8 35.3

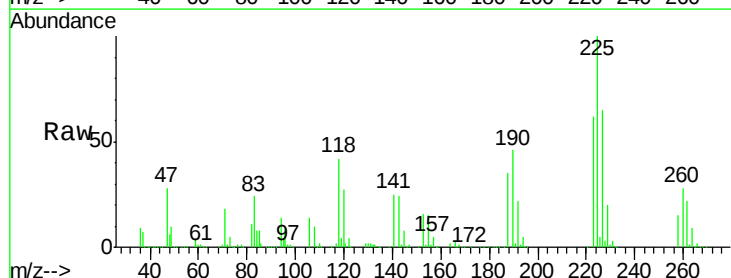


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

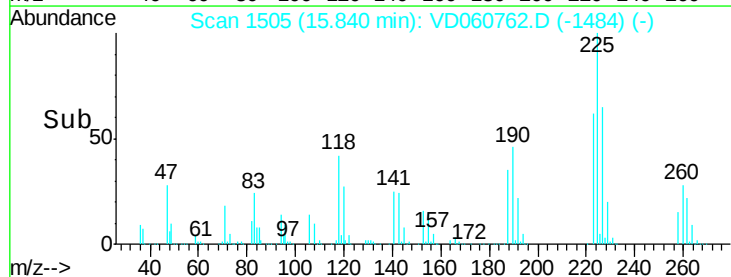
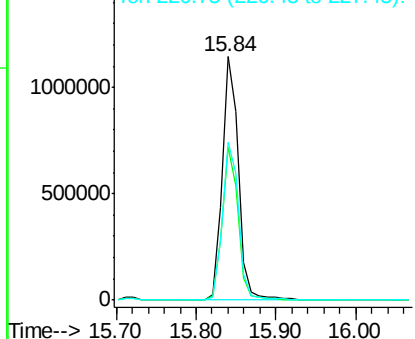


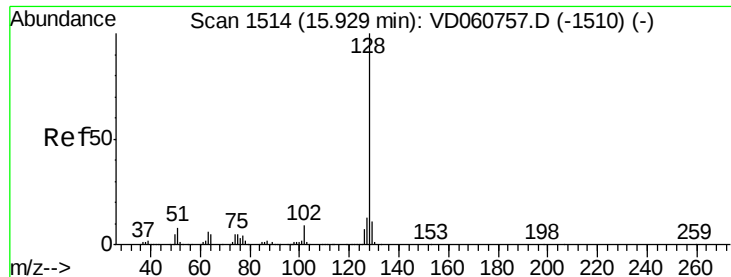
#94
 Hexachlorobutadiene
 Concen: 132.677 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060762.D
 Acq: 18 Jan 2019 15:37

Tgt Ion:225 Resp: 1642047
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 64.8 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

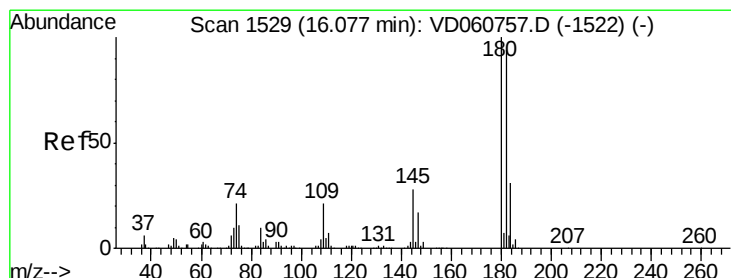
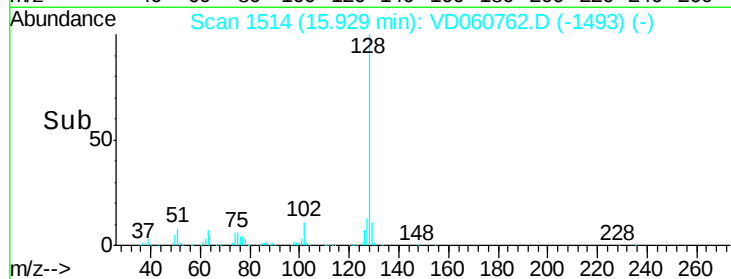
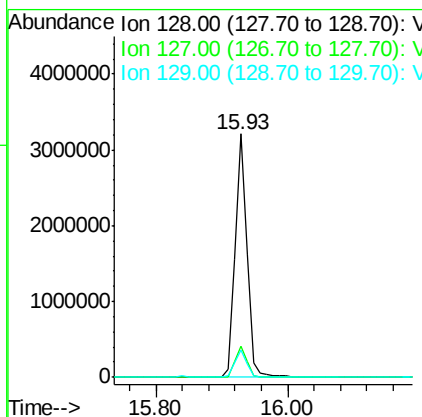
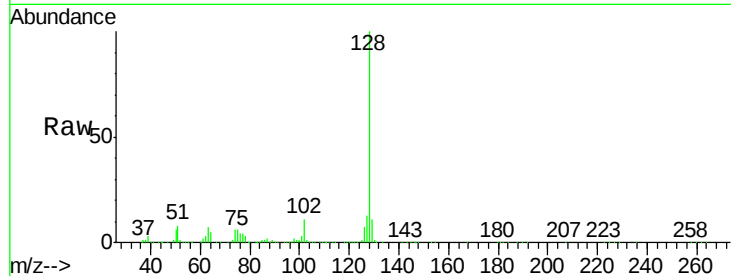




#95
Naphthalene
Concen: 205.302 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion:128 Resp: 4085613
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 154.082 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.01 min
Lab File: VD060762.D
Acq: 18 Jan 2019 15:37

Tgt Ion:180 Resp: 2016776
Ion Ratio Lower Upper
180 100
182 97.4 48.6 145.9
145 32.6 12.6 37.8

