

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062766.D
 Acq On : 19 Jun 2019 1:29
 Operator : VA/AP
 Sample : VD0618SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:28:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	529044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	676077	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	594969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	320378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	421979	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	6.92	113	426988	59.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.76%	
50) Toluene-d8	10.41	98	890853	59.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.78%	
62) 4-Bromofluorobenzene	13.56	95	415586	59.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	145791	22.273	ug/l	100
3) Chloromethane	1.73	50	122271	23.358	ug/l	98
4) Vinyl Chloride	1.84	62	112636	20.867	ug/l	99
5) Bromomethane	2.14	94	53925	19.791	ug/l	95
6) Chloroethane	2.25	64	58891	22.098	ug/l #	87
7) Trichlorofluoromethane	2.52	101	265480	21.973	ug/l	94
8) Diethyl Ether	2.87	74	35462	21.580	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.13	101	146333	22.458	ug/l	97
10) Methyl Iodide	3.29	142	159232	19.494	ug/l	90
11) Tert butyl alcohol	4.08	59	29348	93.525	ug/l #	80
12) 1,1-Dichloroethene	3.11	96	98773	21.123	ug/l	91
13) Acrolein	3.02	56	12269	121.548	ug/l #	60
14) Allyl chloride	3.60	41	159246	22.149	ug/l	97
15) Acrylonitrile	4.18	53	79768	111.864	ug/l	98
16) Acetone	3.22	43	141049	100.899	ug/l	97
17) Carbon Disulfide	3.36	76	260557	18.909	ug/l	98
18) Methyl Acetate	3.63	43	66173	28.804	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	242186	21.236	ug/l	95
20) Methylene Chloride	3.80	84	112947	21.130	ug/l	85
21) trans-1,2-Dichloroethene	4.20	96	99324	19.364	ug/l	97
22) Diisopropyl ether	5.11	45	335135	22.449	ug/l #	97
23) Vinyl Acetate	5.05	43	1029197	111.125	ug/l	98
24) 1,1-Dichloroethane	4.97	63	217475	22.644	ug/l	97
25) 2-Butanone	6.06	43	151127	110.814	ug/l	95
26) 2,2-Dichloropropane	6.02	77	210905	19.054	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	124276	22.350	ug/l	82
28) Bromochloromethane	6.43	49	74150	20.197	ug/l	96
29) Tetrahydrofuran	6.45	42	70972	115.560	ug/l	99
30) Chloroform	6.66	83	278899	22.634	ug/l	95
31) Cyclohexane	6.94	56	127059	21.090	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	275160	22.441	ug/l	98
36) 1,1-Dichloropropene	7.14	75	171478	22.161	ug/l	99
37) Ethyl Acetate	6.17	43	82344	25.560	ug/l #	90
38) Carbon Tetrachloride	7.10	117	286896	23.458	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	124974	19.987	ug/l	93
40) Benzene	7.45	78	359211	23.772	ug/l	99
41) Methacrylonitrile	6.45	41	100525	24.818	ug/l	96
42) 1,2-Dichloroethane	7.57	62	216146	23.998	ug/l	99
43) Isopropyl Acetate	9.23	43	98051	24.016	ug/l #	93
44) Trichloroethene	8.54	130	136994	22.331	ug/l	90
45) 1,2-Dichloropropane	8.94	63	83397	22.977	ug/l	97
46) Dibromomethane	9.06	93	81765	25.378	ug/l	92
47) Bromodichloromethane	9.37	83	214192	24.439	ug/l	92
48) Methyl methacrylate	9.12	41	70566	23.924	ug/l	92
49) 1,4-Dioxane	9.08	88	11491	462.337	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	350303	122.622	ug/l	99
52) Toluene	10.50	92	225652	22.216	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	178875	24.893	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	173907	23.416	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	82739	23.753	ug/l	96
56) Ethyl methacrylate	11.04	69	92368	24.213	ug/l	87
57) 1,3-Dichloropropane	11.40	76	137379	25.445	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	260560	139.952	ug/l	100
59) 2-Hexanone	11.53	43	257882	121.354	ug/l	100
60) Dibromochloromethane	11.69	129	162465	23.627	ug/l	94
61) 1,2-Dibromoethane	11.80	107	103637	24.859	ug/l	97
64) Tetrachloroethene	11.25	164	146748	26.348	ug/l	98
65) Chlorobenzene	12.39	112	290453	22.070	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	140206	22.338	ug/l	92
67) Ethyl Benzene	12.52	91	526701	22.573	ug/l	99
68) m/p-Xylenes	12.67	106	368722	44.949	ug/l	98
69) o-Xylene	13.04	106	162219	21.532	ug/l	92
70) Styrene	13.07	104	298674	22.219	ug/l	95
71) Bromoform	13.23	173	109252	24.236	ug/l	99
73) Isopropylbenzene	13.40	105	535640	23.720	ug/l	99
74) N-amyl acetate	13.26	43	132509	21.712	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	96164	24.888	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	107089	24.652	ug/l	98
77) Bromobenzene	13.67	156	157428	24.391	ug/l	93
78) n-propylbenzene	13.77	91	619107	22.398	ug/l	100
79) 2-Chlorotoluene	13.84	91	389342	24.056	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	469464	23.523	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	24010	21.080	ug/l	97
82) 4-Chlorotoluene	13.95	91	460762	23.806	ug/l	96
83) tert-Butylbenzene	14.19	119	500843	22.753	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	461892	23.375	ug/l	96
85) sec-Butylbenzene	14.36	105	580239	25.138	ug/l	99
86) p-Isopropyltoluene	14.49	119	536565	23.876	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	270039	23.095	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	272966	24.702	ug/l	94
89) n-Butylbenzene	14.80	91	472994	23.395	ug/l	98
90) Hexachloroethane	15.00	117	144597	24.372	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	242102	24.909	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	18820	22.803	ug/l	85

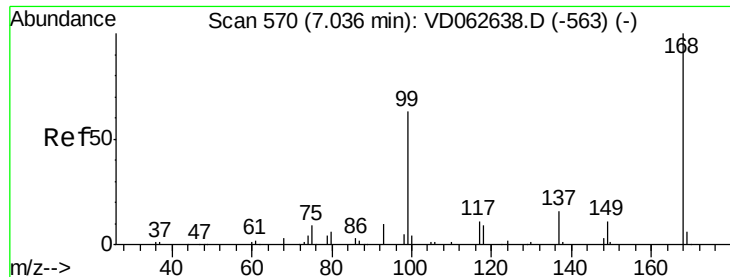
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	189153	24.872	ug/l	97
94) Hexachlorobutadiene	16.04	225	140104	24.415	ug/l	98
95) Naphthalene	16.13	128	279456	25.831	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	152795	27.293	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

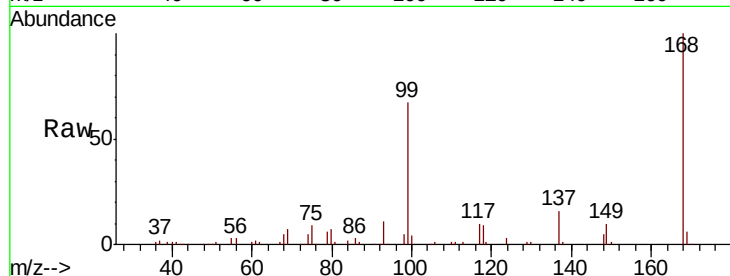
ClientSampleId :

Tot Ion:168 Resp: 529044

Ion Ratio Lower Upper

168 100

99 66.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

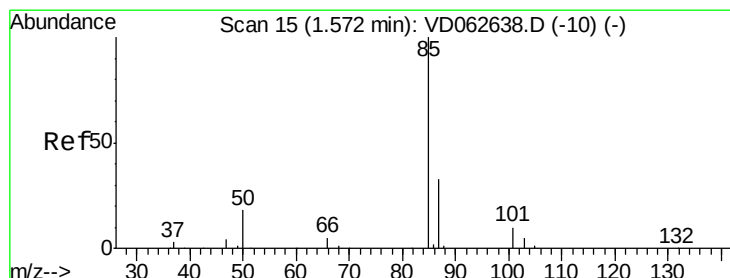
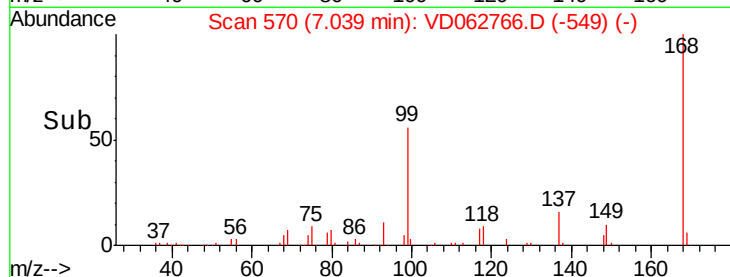
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.273 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062766.D

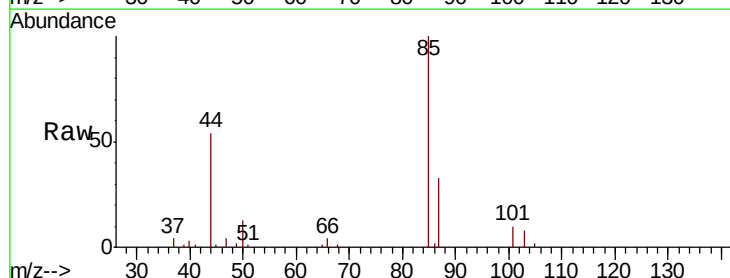
Acq: 19 Jun 2019 1:29

Tgt Ion: 85 Resp: 145791

Ion Ratio Lower Upper

85 100

87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

60000

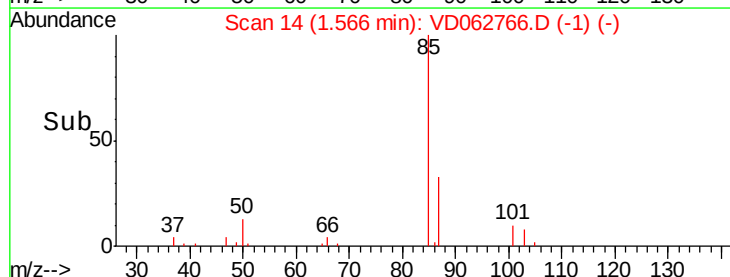
40000

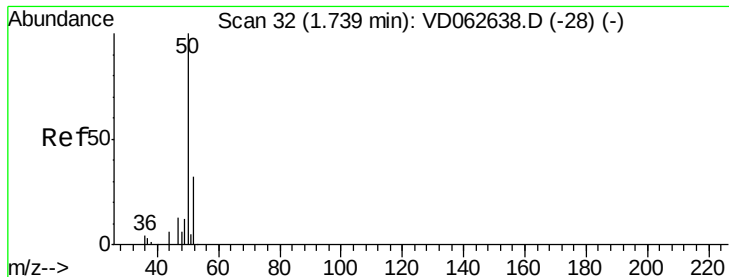
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 23.358 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

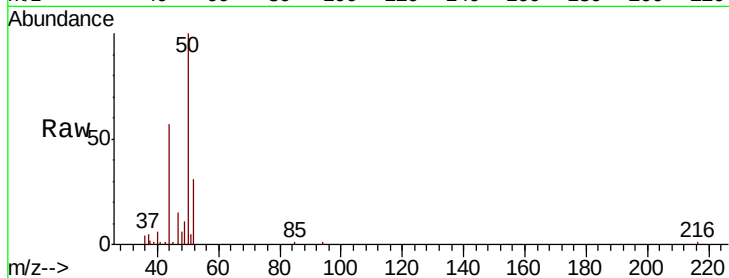
ClientSampled :

Tot Ion: 50 Resp: 122271

Ion Ratio Lower Upper

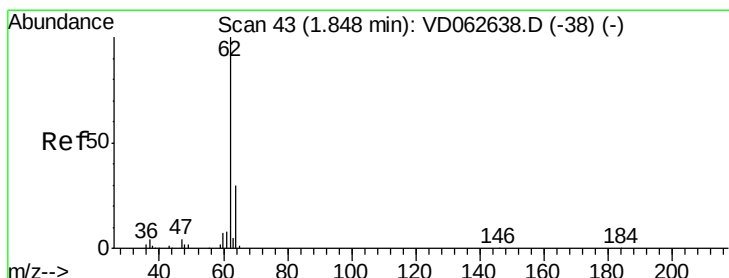
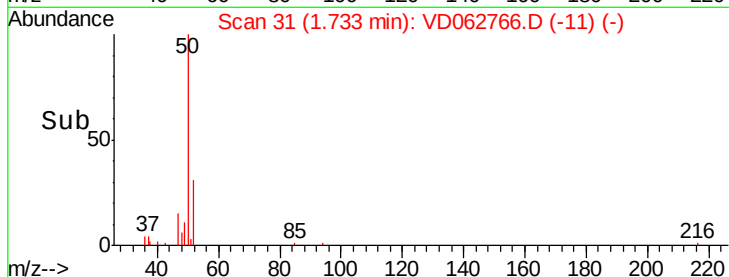
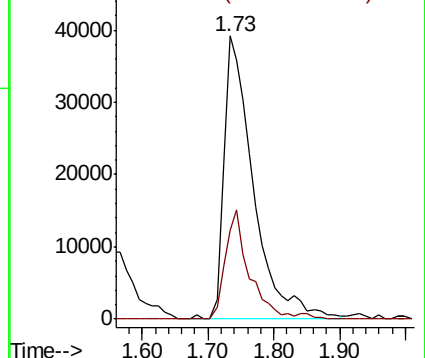
50 100

52 31.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.867 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062766.D

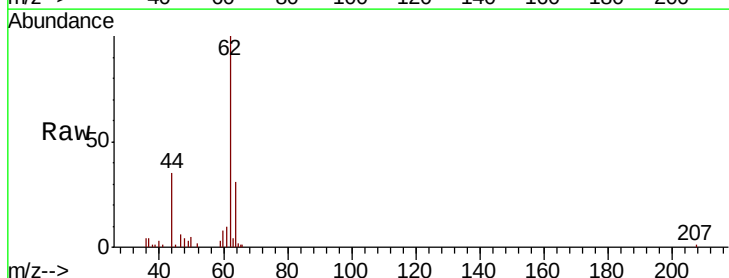
Acq: 19 Jun 2019 1:29

Tgt Ion: 62 Resp: 112636

Ion Ratio Lower Upper

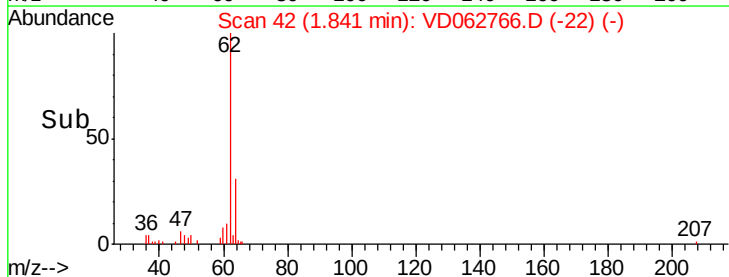
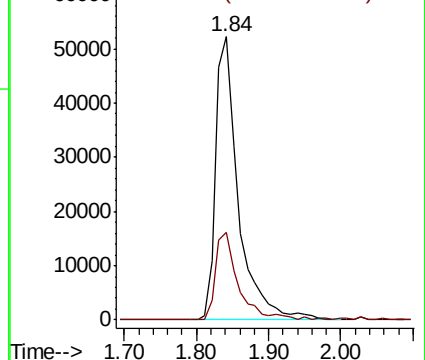
62 100

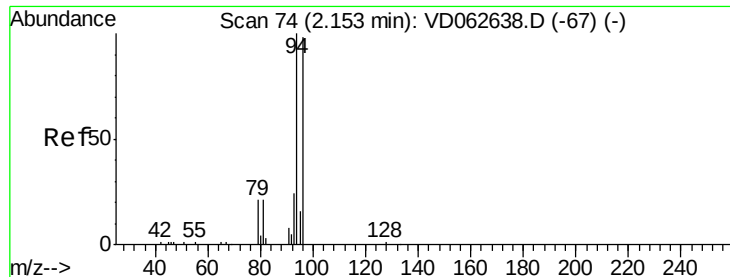
64 31.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.791 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampleId :

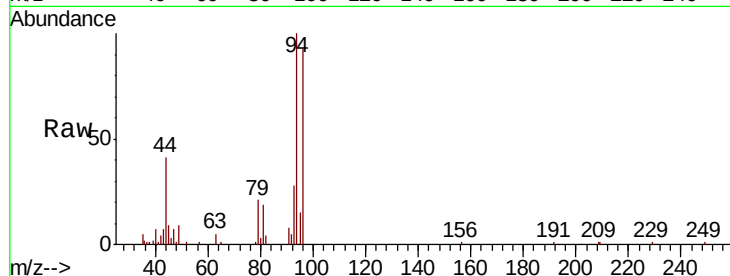
Tot Ion: 94 Resp: 53925

Ion Ratio Lower Upper

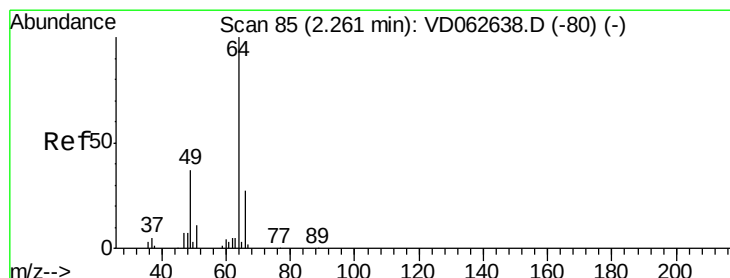
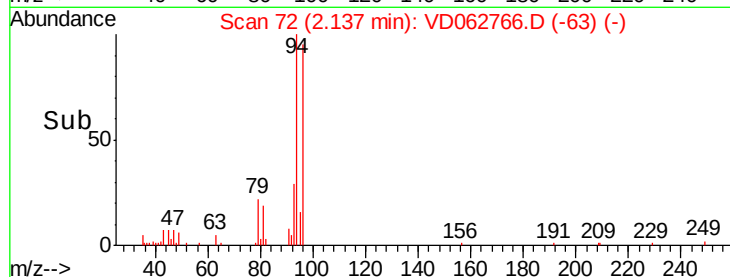
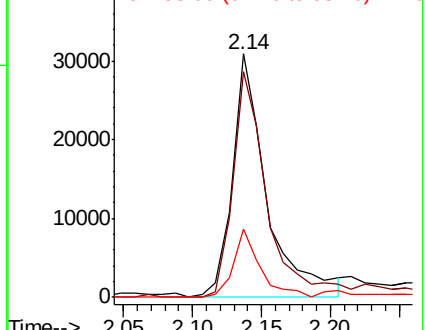
94 100

96 92.7 78.1 117.1

93 28.0 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 22.098 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062766.D

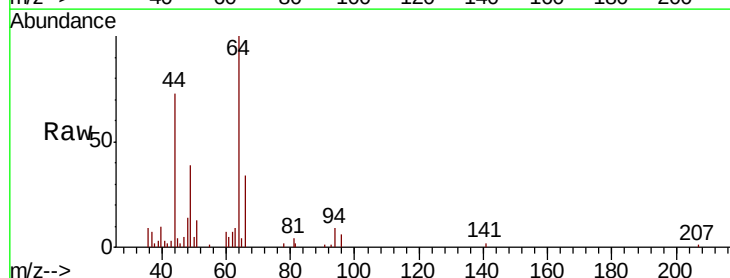
Acq: 19 Jun 2019 1:29

Tgt Ion: 64 Resp: 58891

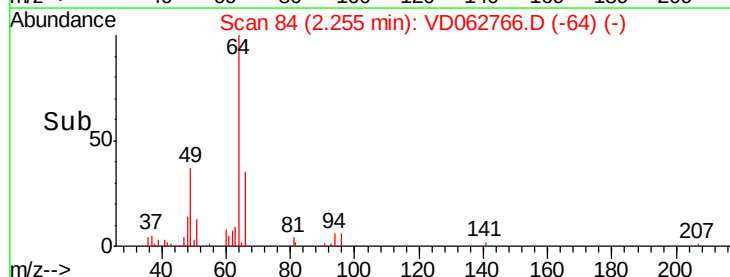
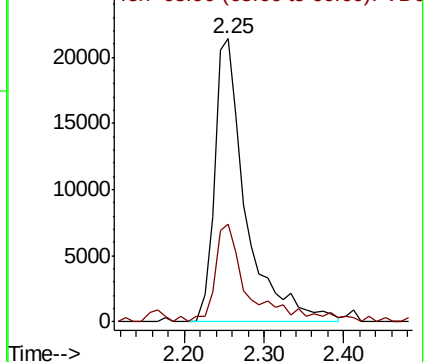
Ion Ratio Lower Upper

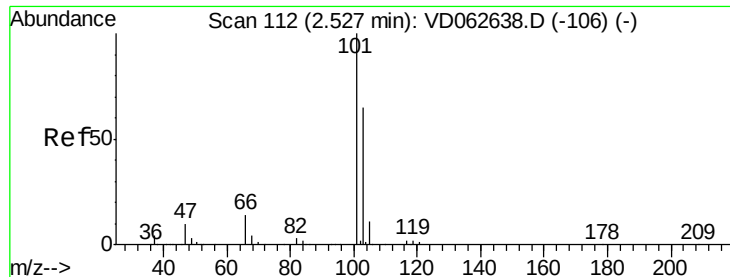
64 100

66 34.4 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



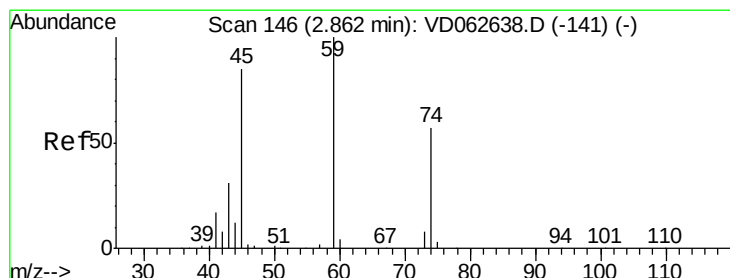
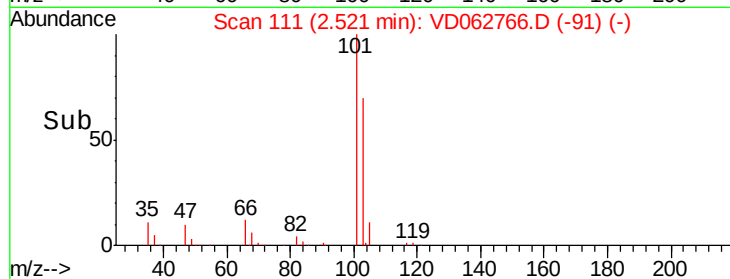
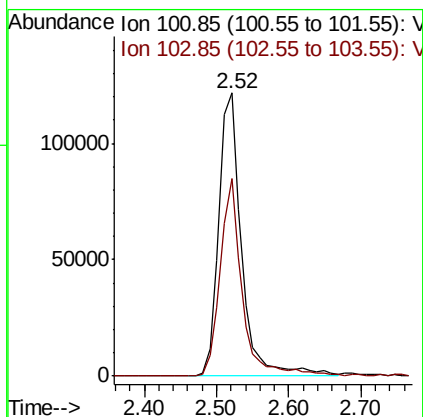
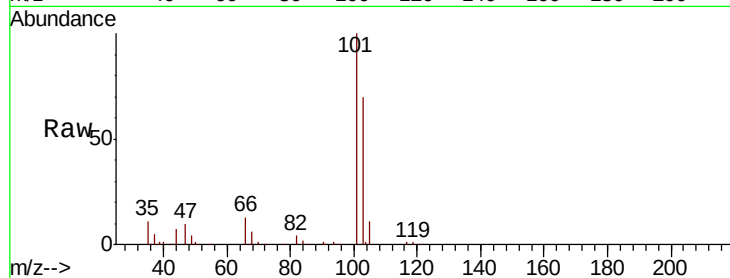


#7

Trichlorofluoromethane
Concen: 21.973 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampleId :

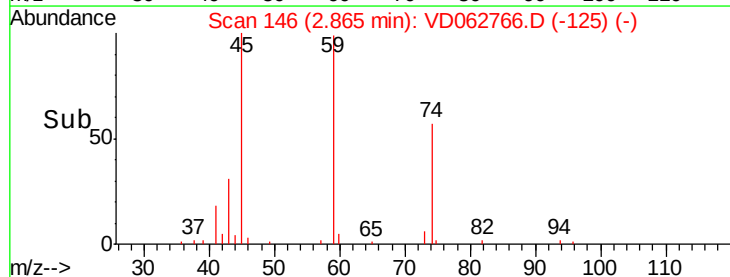
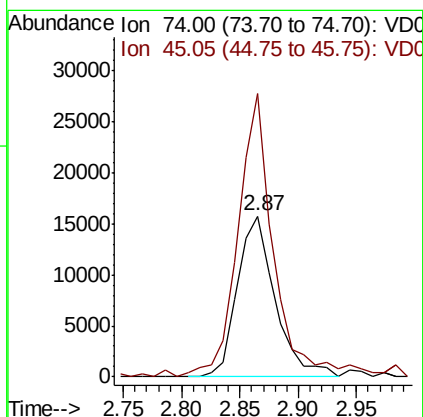
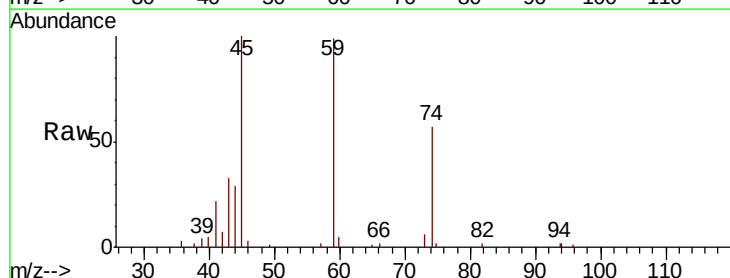
Tot Ion:101 Resp: 265480
Ion Ratio Lower Upper
101 100
103 69.7 52.2 78.2

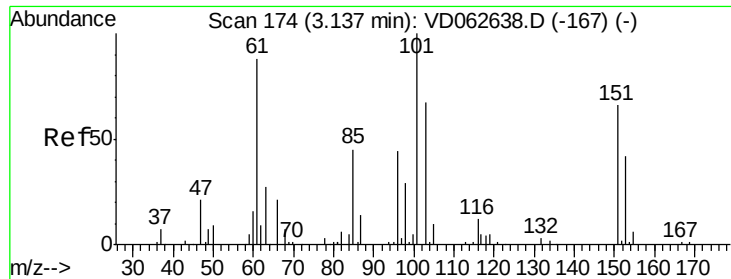


#8

Diethyl Ether
Concen: 21.580 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 74 Resp: 35462
Ion Ratio Lower Upper
74 100
45 175.6 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.458 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampleId :

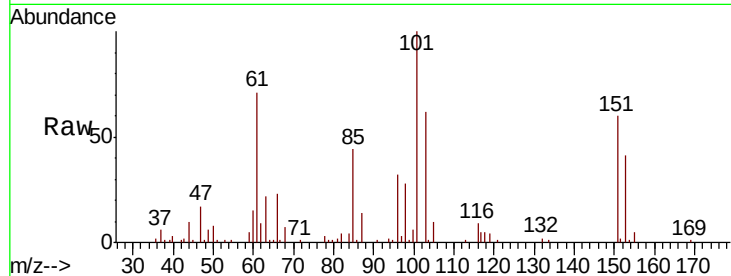
Tot Ion:101 Resp: 146333

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

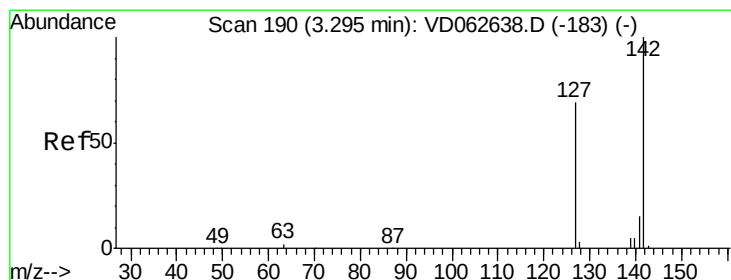
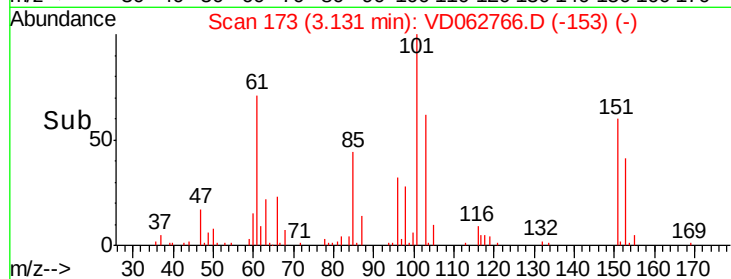
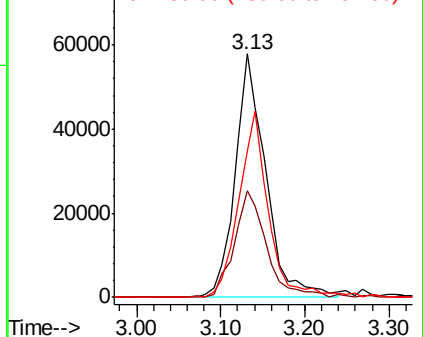
151 62.2 52.6 79.0



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: 19.494 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

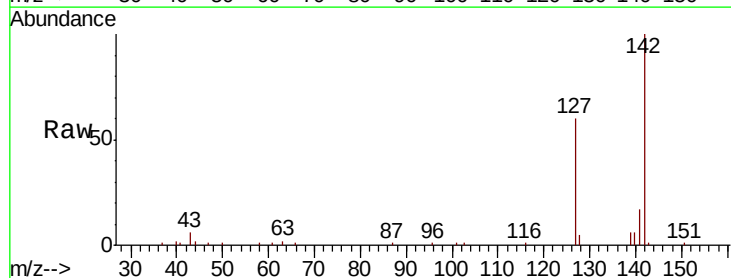
Tgt Ion:142 Resp: 159232

Ion Ratio Lower Upper

142 100

127 60.1 55.2 82.8

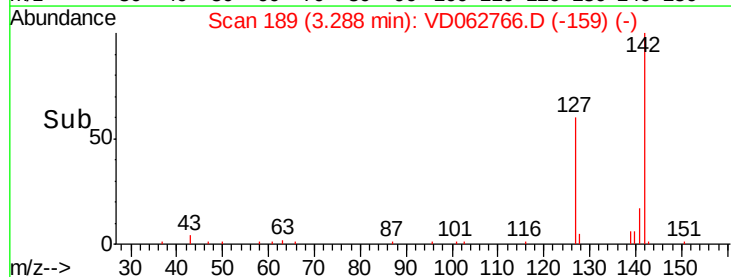
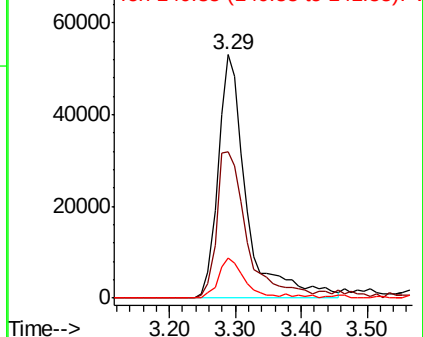
141 16.6 12.1 18.1

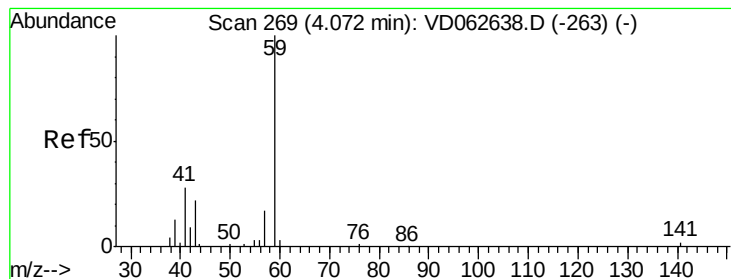


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 93.525 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

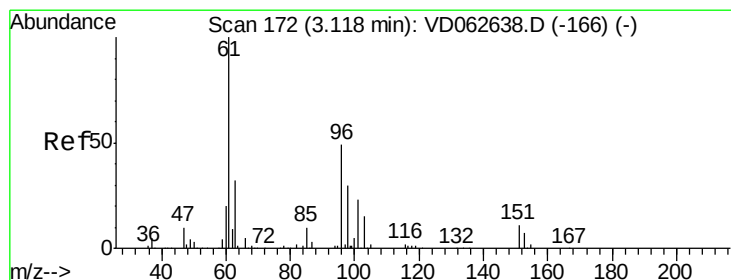
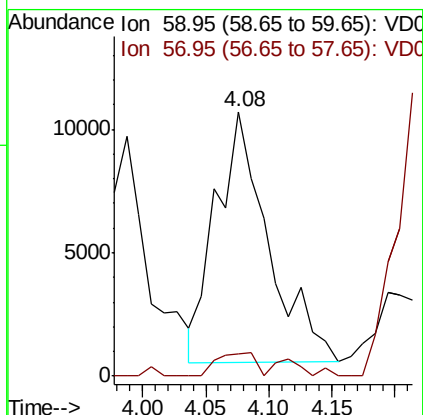
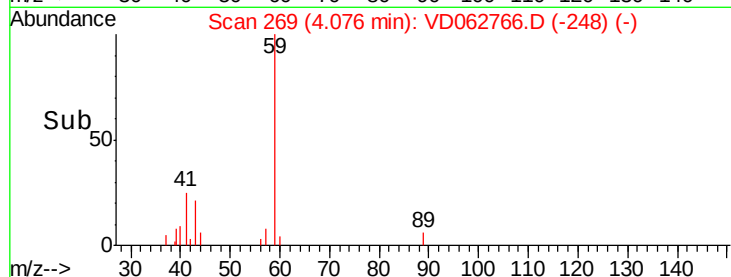
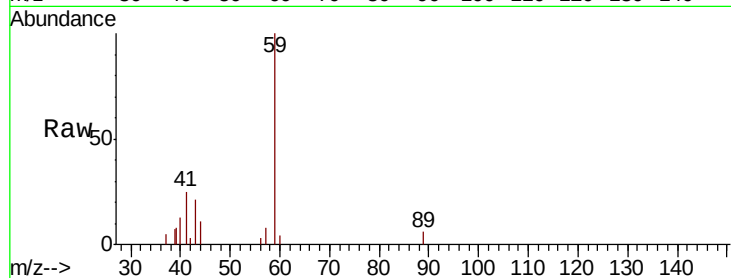
ClientSampleId :

Tot Ion: 59 Resp: 29348

Ion Ratio Lower Upper

59 100

57 8.4 13.7 20.5#



#12

1,1-Dichloroethene

Concen: 21.123 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

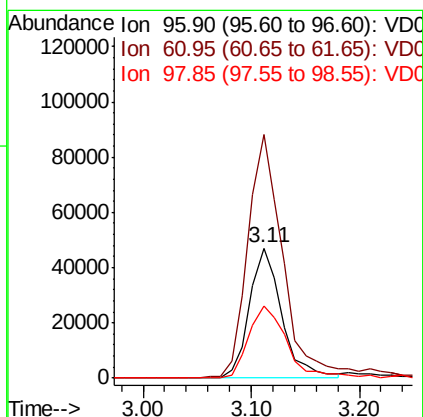
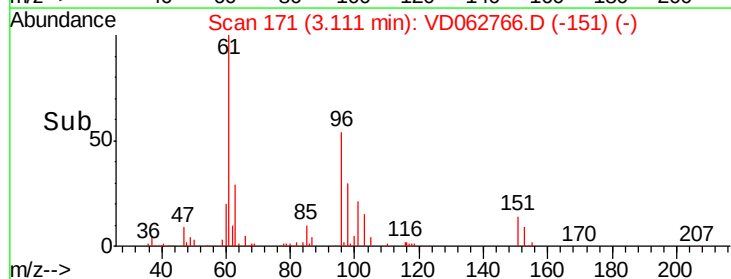
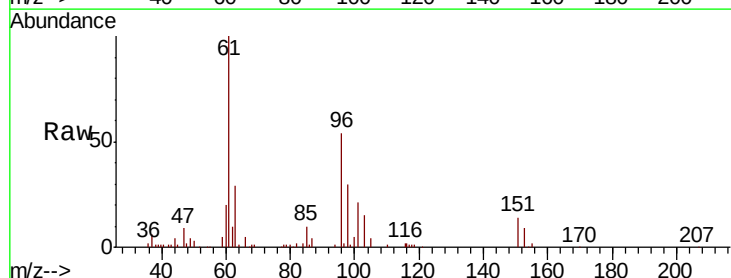
Tgt Ion: 96 Resp: 98773

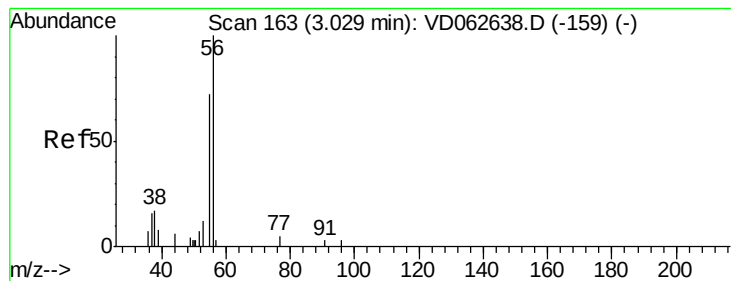
Ion Ratio Lower Upper

96 100

61 186.9 161.8 242.8

98 55.6 48.2 72.4





#13

Acrolein

Concen: 121.548 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

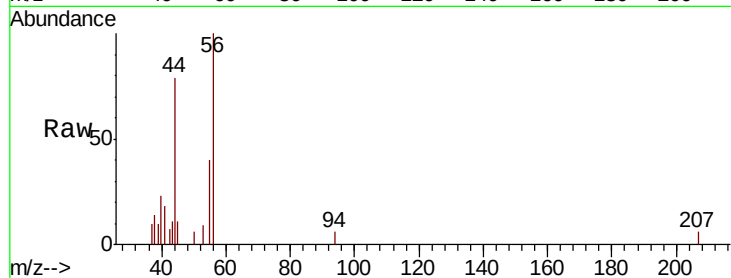
ClientSampleId :

Tot Ion: 56 Resp: 12269

Ion Ratio Lower Upper

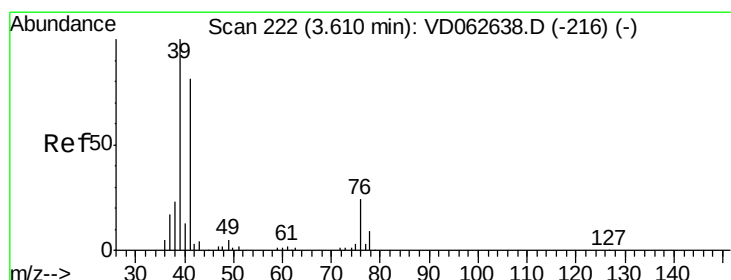
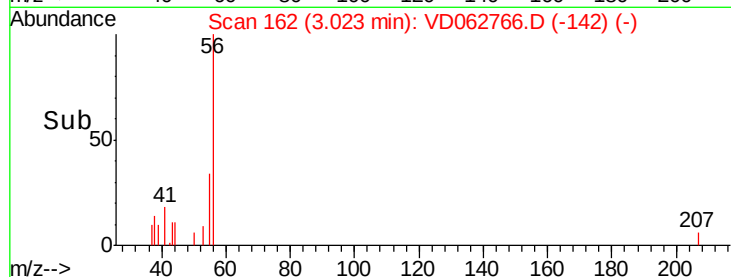
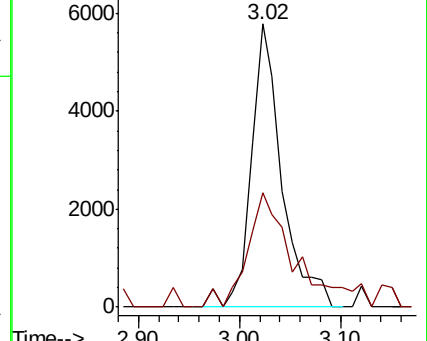
56 100

55 40.4 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.149 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

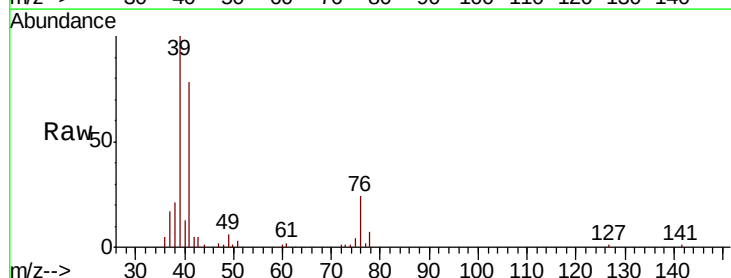
Tgt Ion: 41 Resp: 159246

Ion Ratio Lower Upper

41 100

39 128.1 99.1 148.7

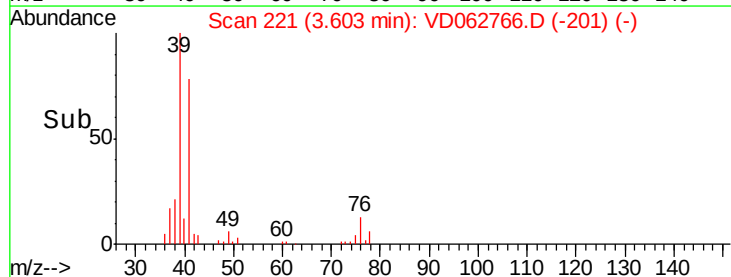
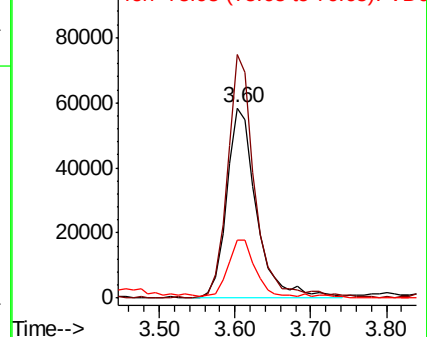
76 30.5 25.0 37.6

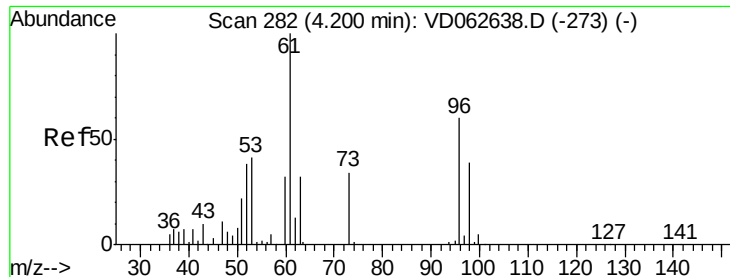


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.864 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampleId :

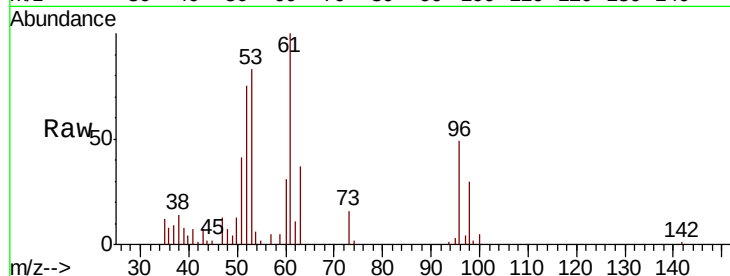
Tot Ion: 53 Resp: 79768

Ion Ratio Lower Upper

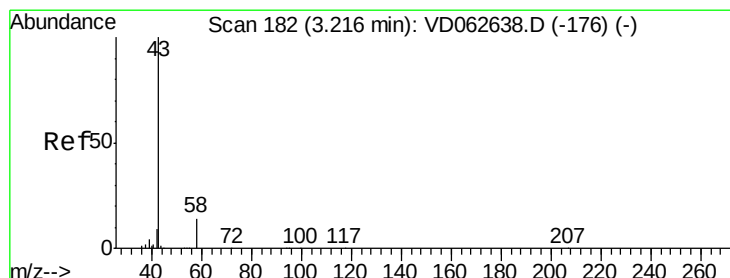
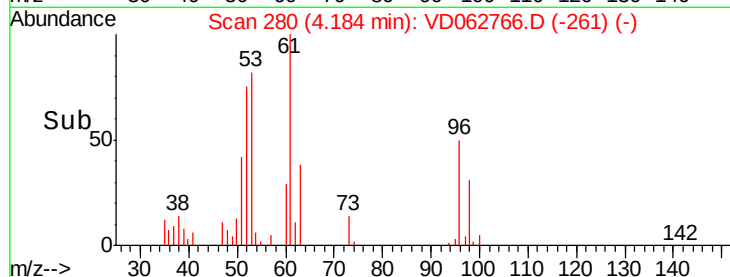
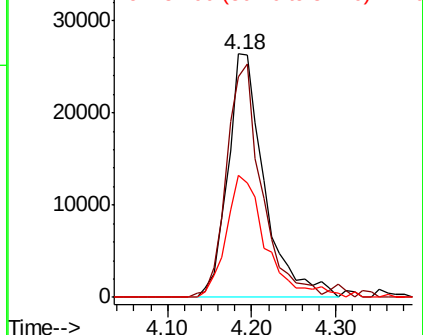
53 100

52 90.4 73.6 110.4

51 50.1 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.899 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062766.D

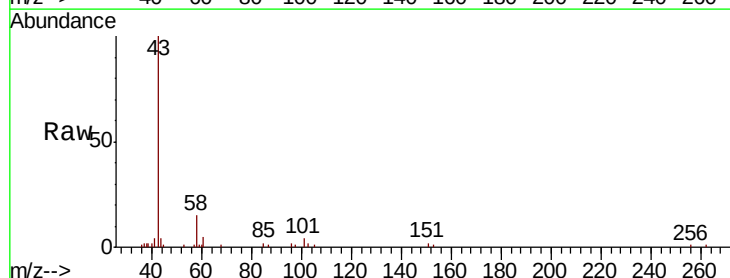
Acq: 19 Jun 2019 1:29

Tgt Ion: 43 Resp: 141049

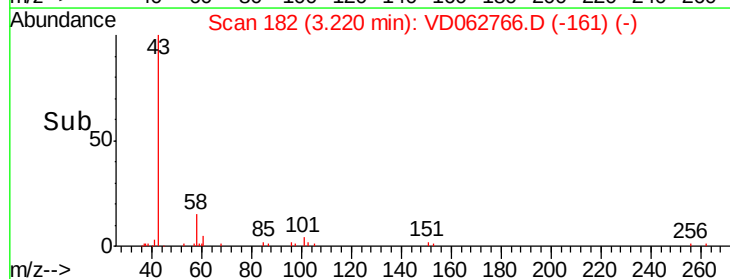
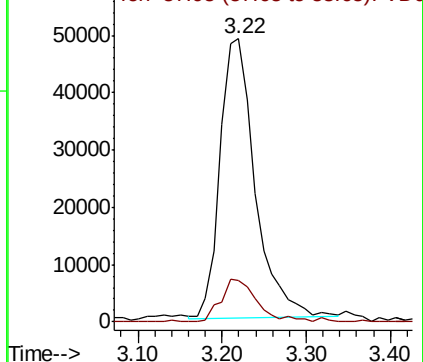
Ion Ratio Lower Upper

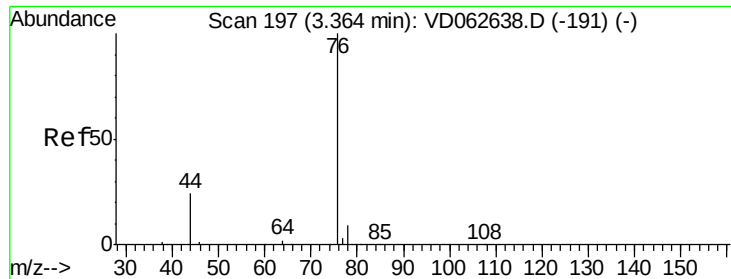
43 100

58 14.8 10.8 16.2



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

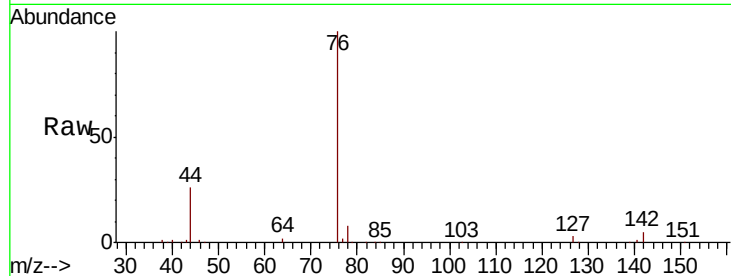




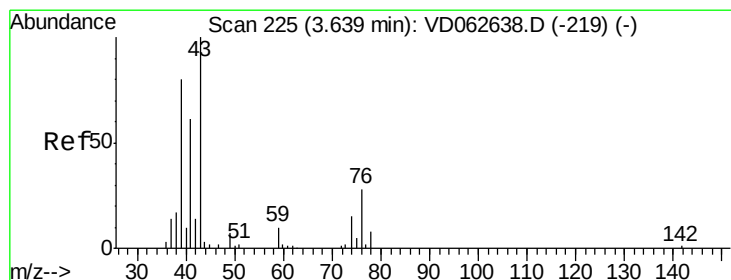
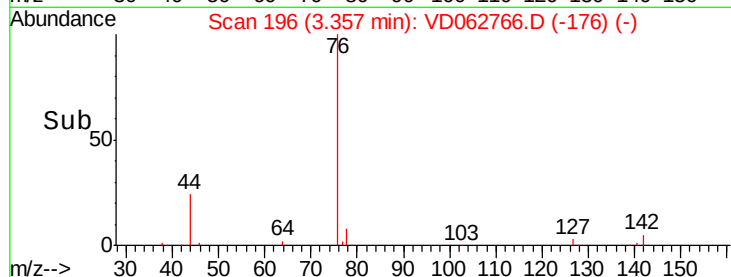
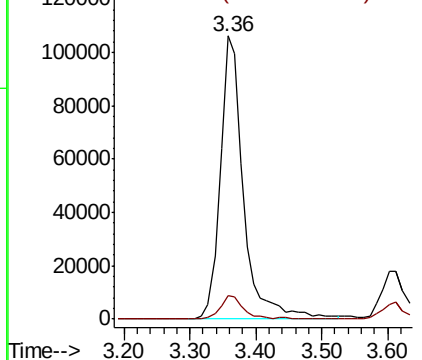
#17
Carbon Disulfide
Concen: 18.909 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 260557
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4

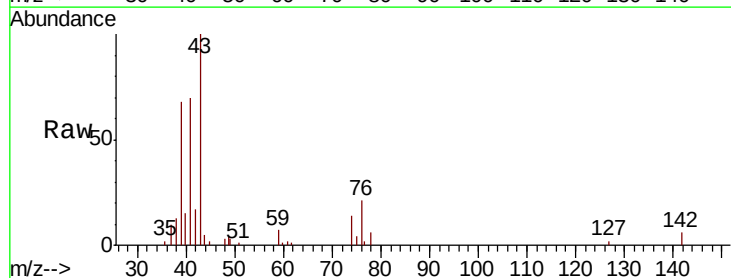


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

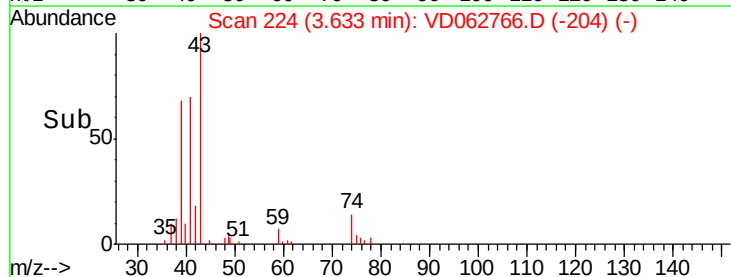
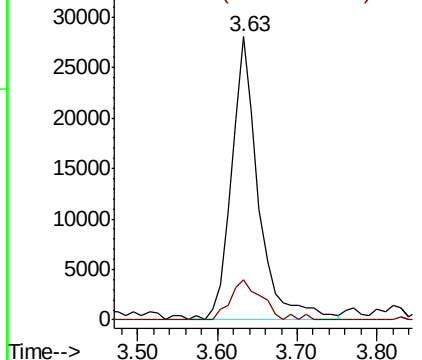


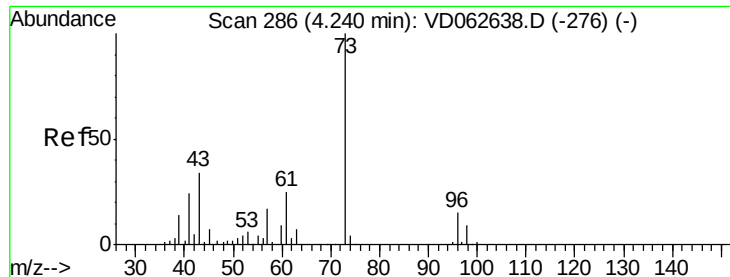
#18
Methyl Acetate
Concen: 28.804 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 43 Resp: 66173
Ion Ratio Lower Upper
43 100
74 14.1 12.1 18.1



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

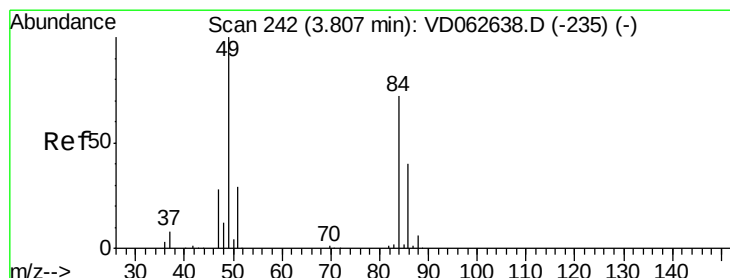
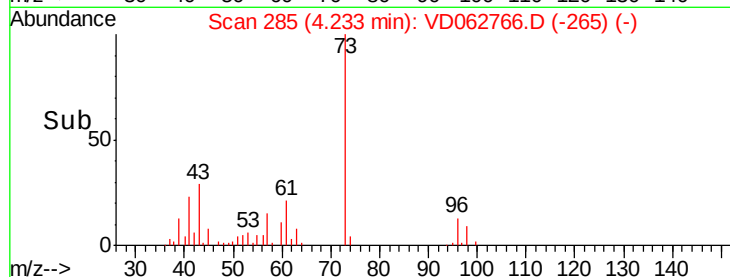
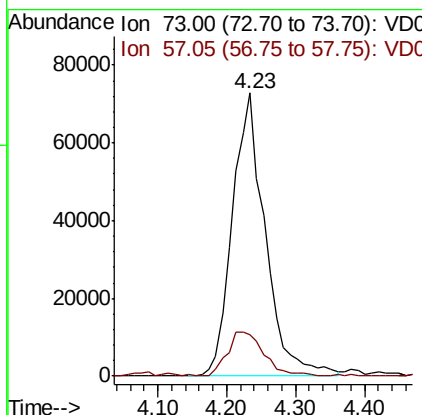
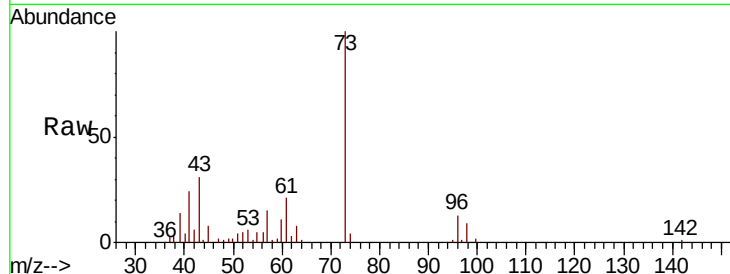




#19
Methyl tert-butyl Ether
Concen: 21.236 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

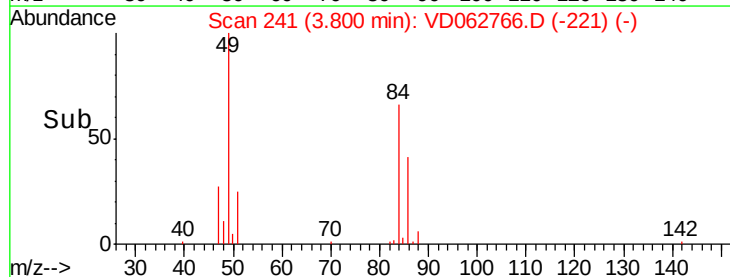
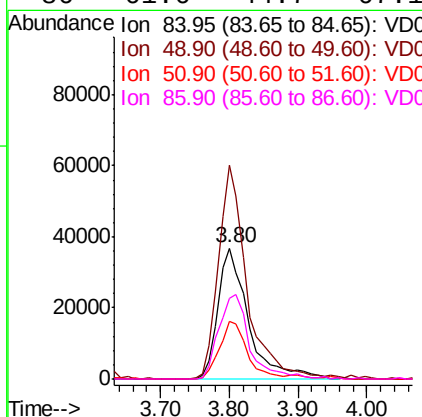
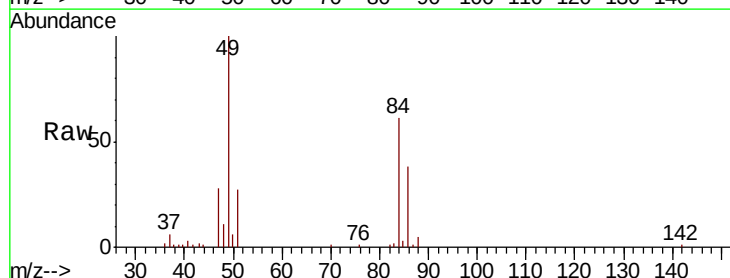
Instrument :
MSVOA_D
ClientSampled :

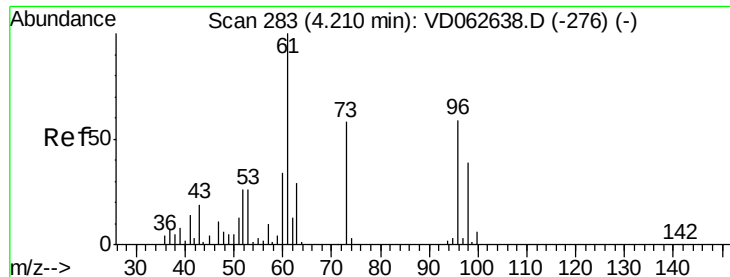
Tot Ion: 73 Resp: 242186
Ion Ratio Lower Upper
73 100
57 14.7 13.5 20.3



#20
Methylene Chloride
Concen: 21.130 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 84 Resp: 112947
Ion Ratio Lower Upper
84 100
49 162.9 111.2 166.8
51 44.0 31.9 47.9
86 61.6 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 19.364 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampled :

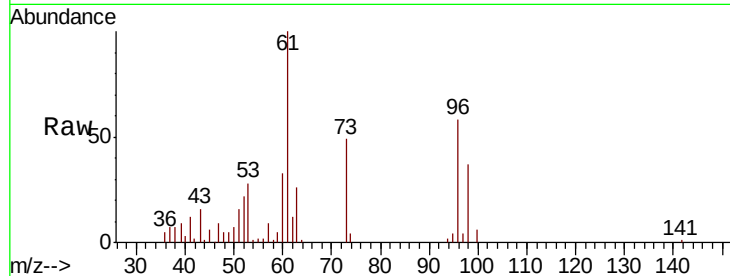
Tot Ion: 96 Resp: 99324

Ion Ratio Lower Upper

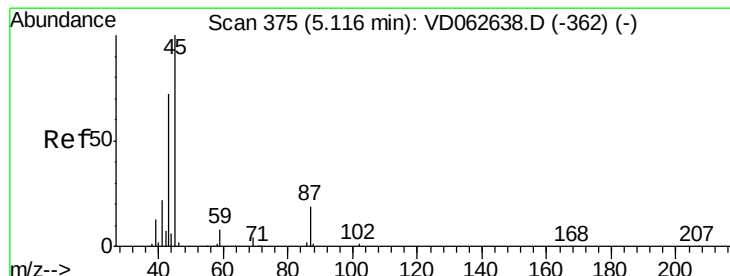
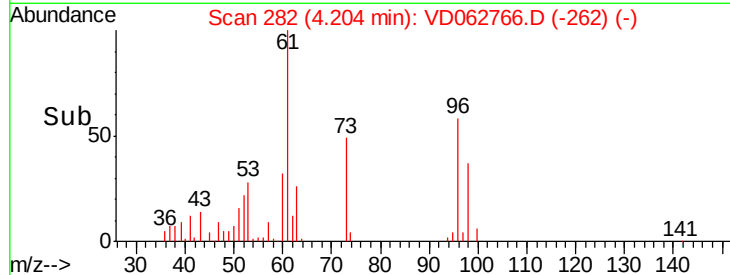
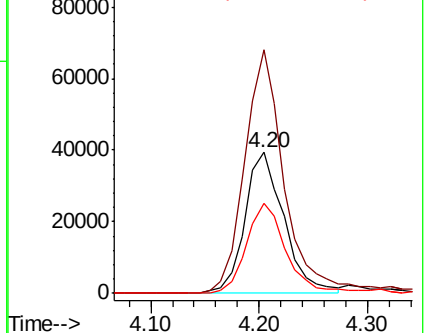
96 100

61 173.1 134.6 201.8

98 63.9 51.8 77.8



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: 22.449 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Tgt Ion: 45 Resp: 335135

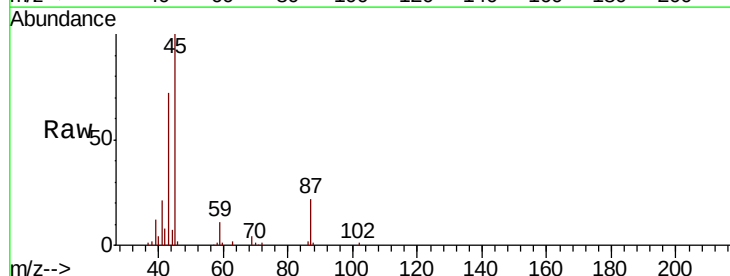
Ion Ratio Lower Upper

45 100

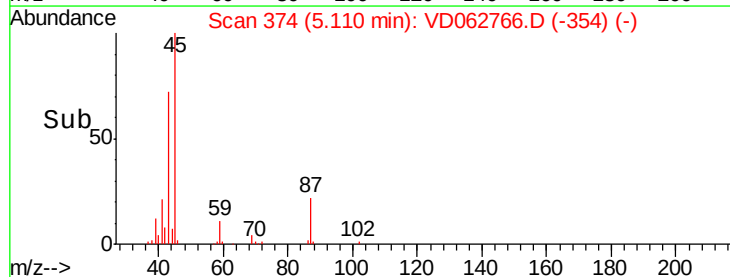
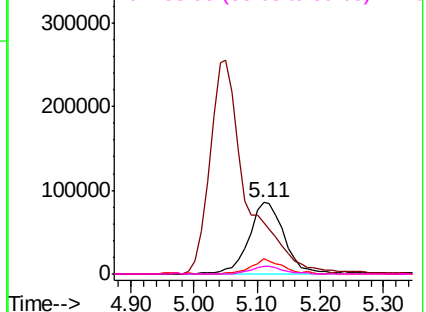
43 72.1 58.8 88.2

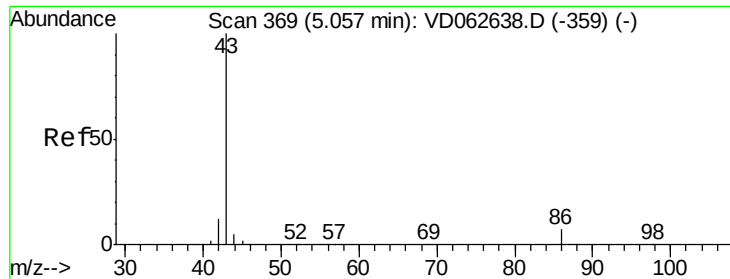
87 21.6 15.7 23.5

59 11.1 6.6 9.8#



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: 111.125 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

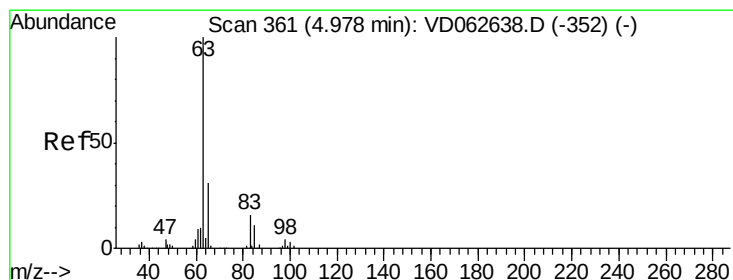
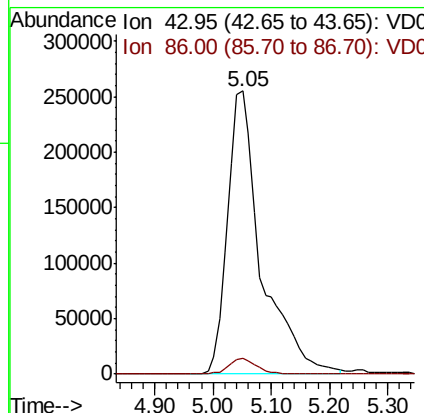
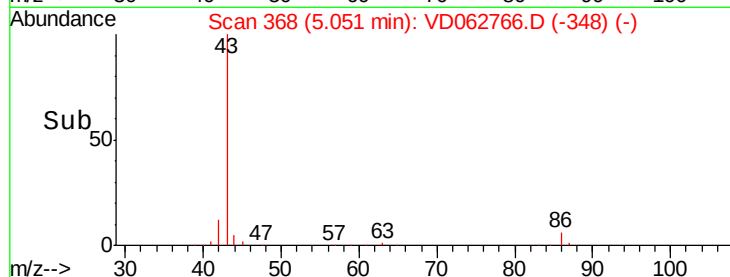
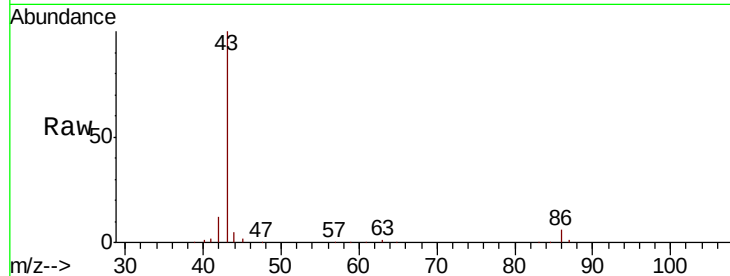
ClientSampled :

Tot Ion: 43 Resp: 1029197

Ion Ratio Lower Upper

43 100

86 5.7 5.3 7.9



#24

1,1-Dichloroethane

Concen: 22.644 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

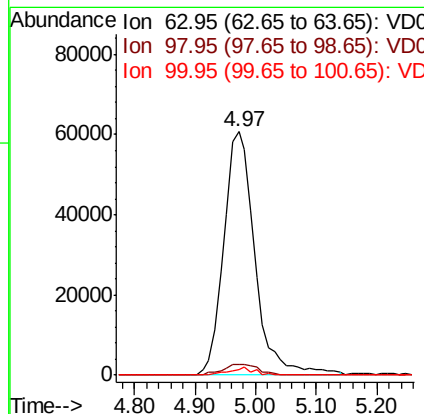
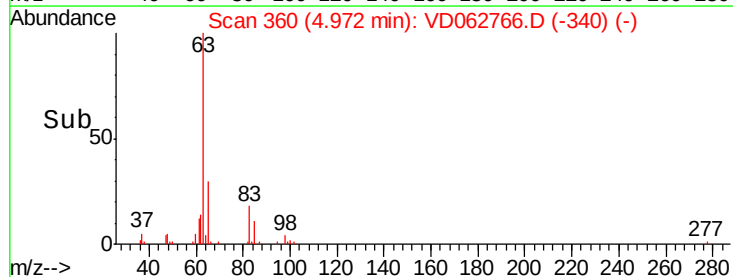
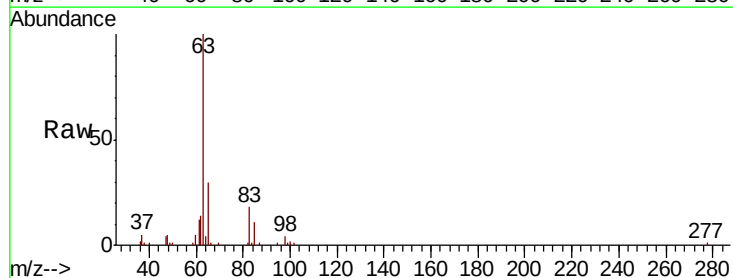
Tgt Ion: 63 Resp: 217475

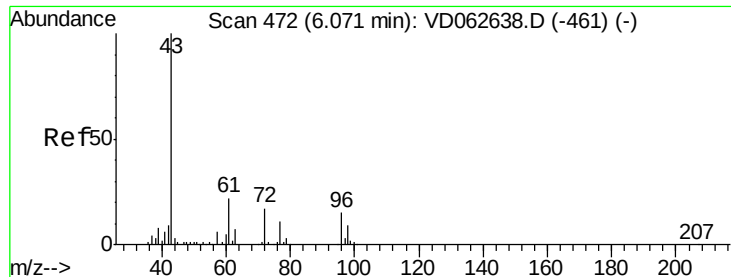
Ion Ratio Lower Upper

63 100

98 4.8 1.8 5.4

100 2.3 1.5 4.4





#25

2-Butanone

Concen: 110.814 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

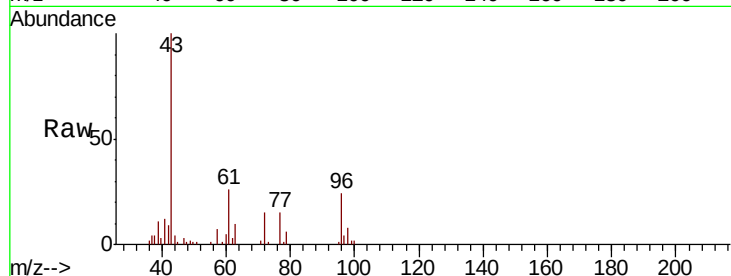
ClientSampled :

Tot Ion: 43 Resp: 151127

Ion Ratio Lower Upper

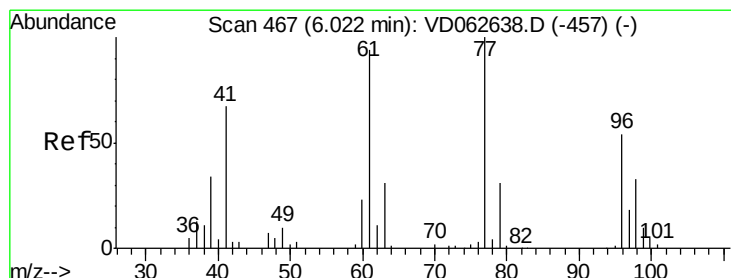
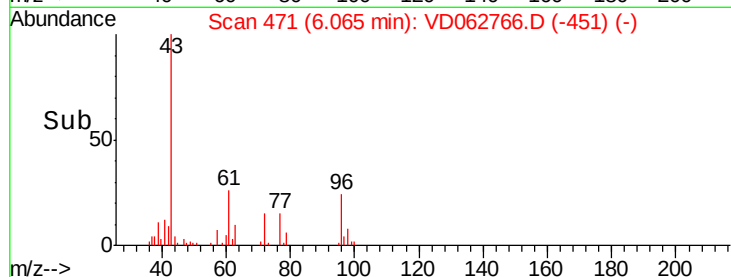
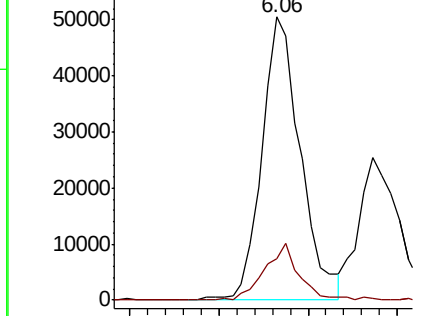
43 100

72 14.6 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.054 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062766.D

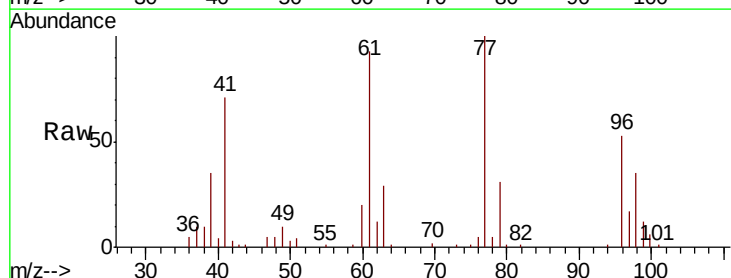
Acq: 19 Jun 2019 1:29

Tgt Ion: 77 Resp: 210905

Ion Ratio Lower Upper

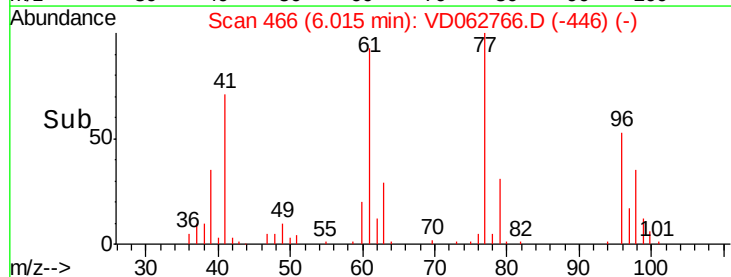
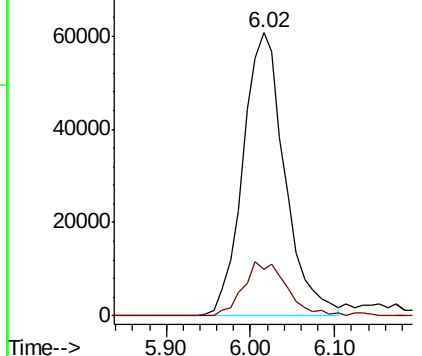
77 100

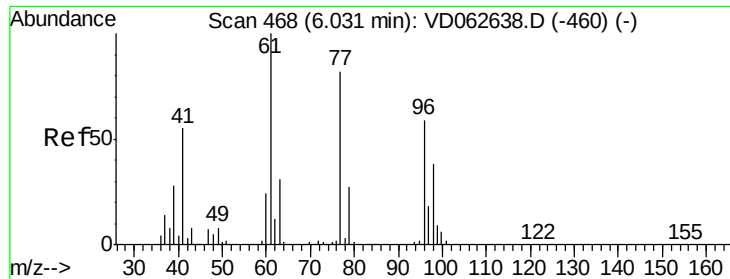
97 16.5 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



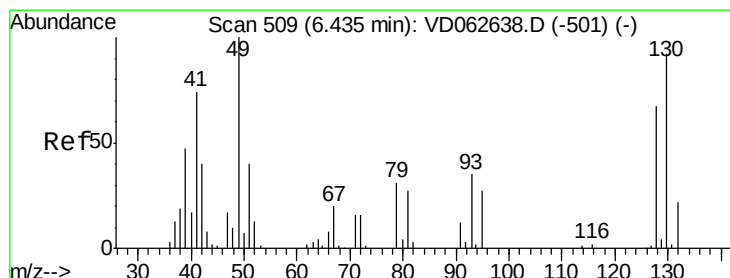
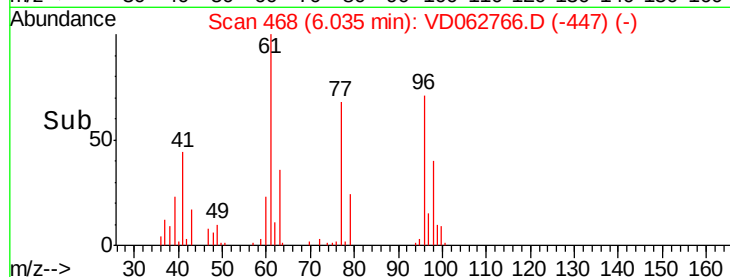
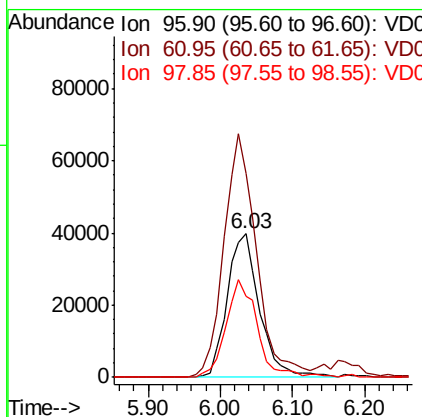
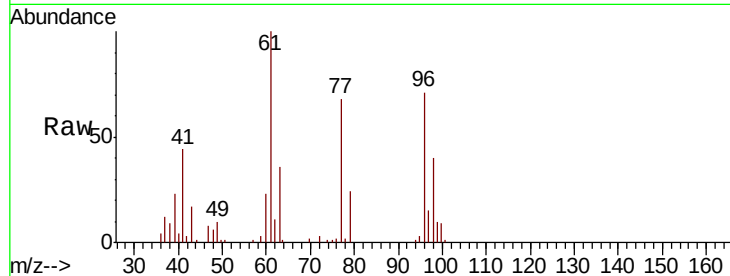


#27

cis-1,2-Dichloroethene
Concen: 22.350 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampled :

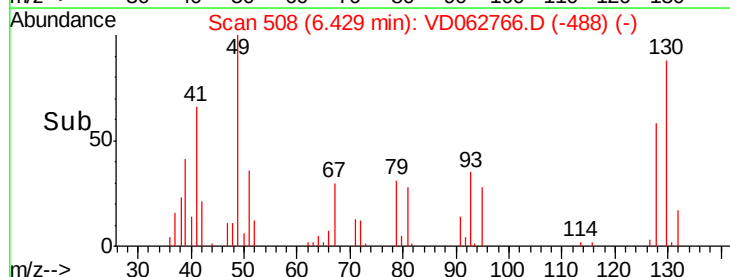
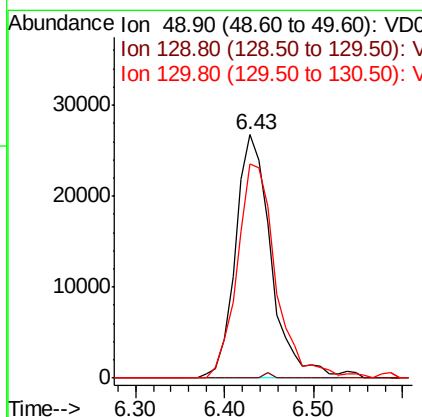
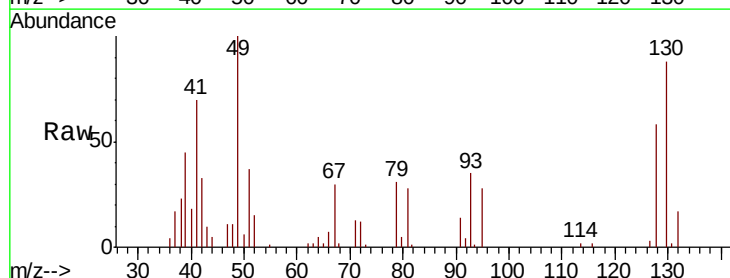
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	340.0
98	56.6	0.0	127.6

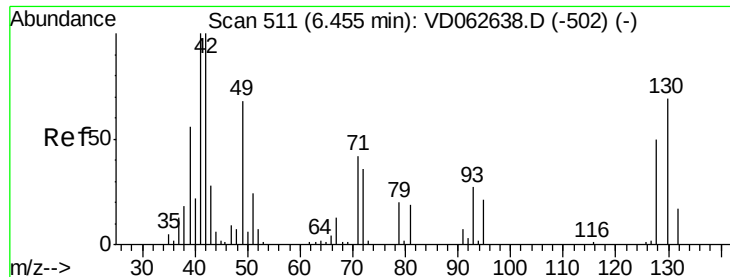


#28

Bromochloromethane
Concen: 20.197 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.2
130	87.9	73.4	110.0





#29

Tetrahydrofuran

Concen: 115.560 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampled :

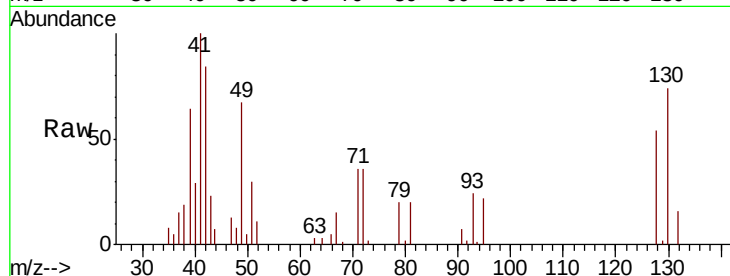
Tot Ion: 42 Resp: 70972

Ion Ratio Lower Upper

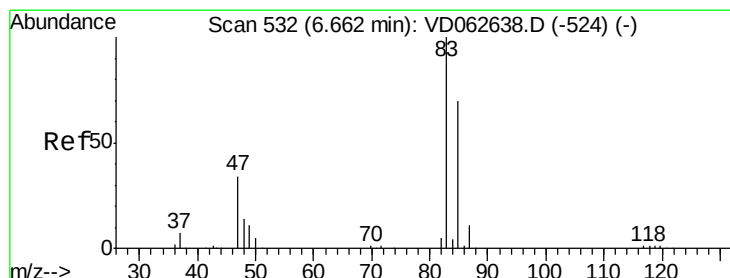
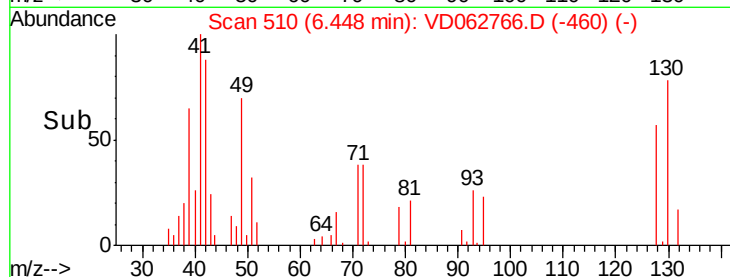
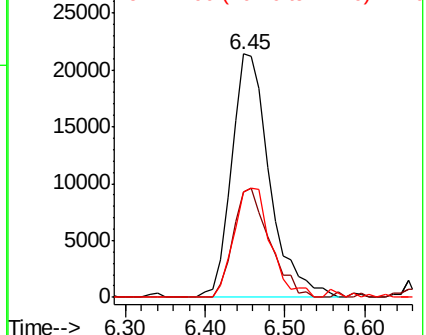
42 100

72 42.8 33.8 50.6

71 43.2 34.2 51.4



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: 22.634 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062766.D

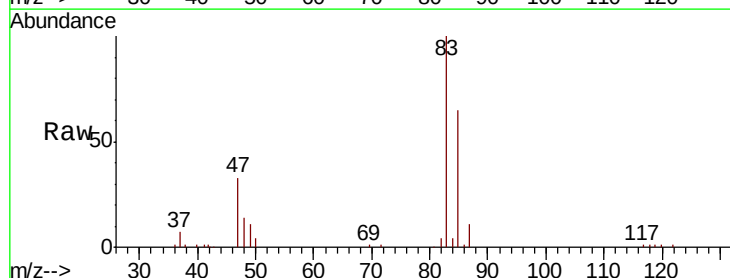
Acq: 19 Jun 2019 1:29

Tgt Ion: 83 Resp: 278899

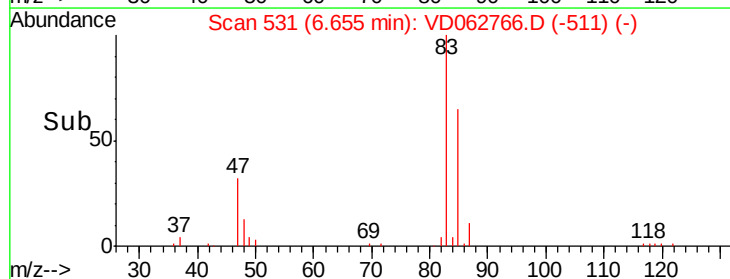
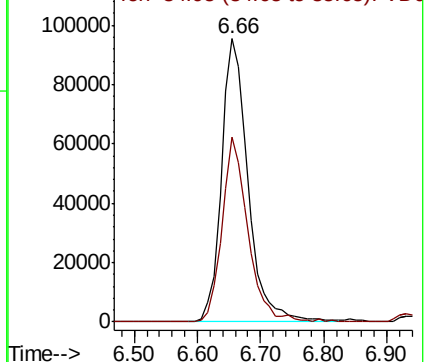
Ion Ratio Lower Upper

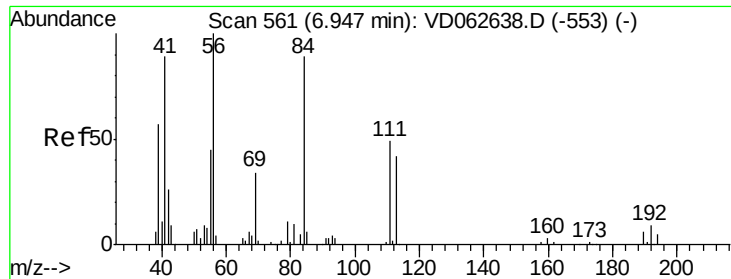
83 100

85 65.3 55.8 83.6



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

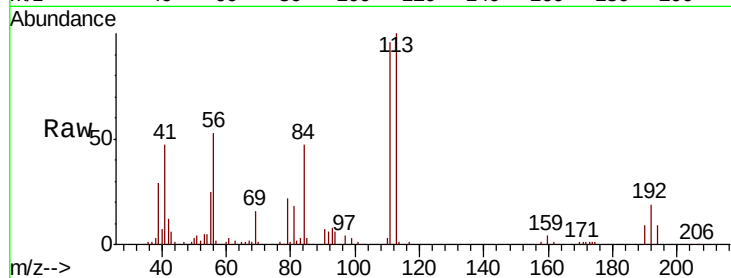




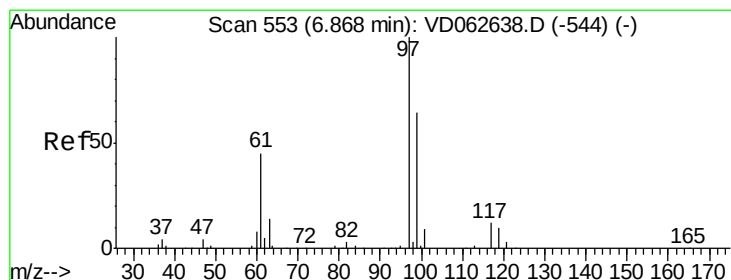
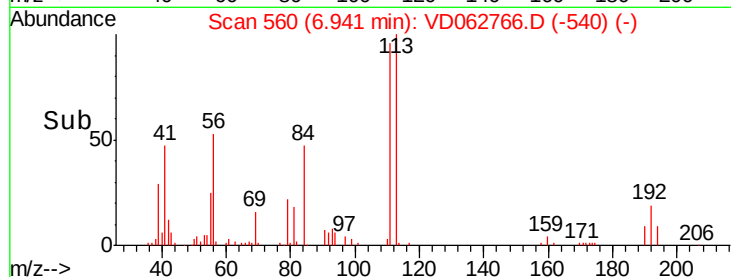
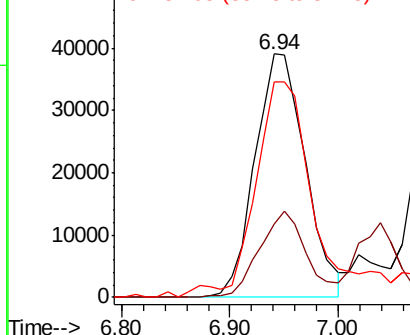
#31
Cyclohexane
Concen: 21.090 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 127059
Ion Ratio Lower Upper
56 100
69 30.3 26.8 40.2
84 88.7 73.9 110.9

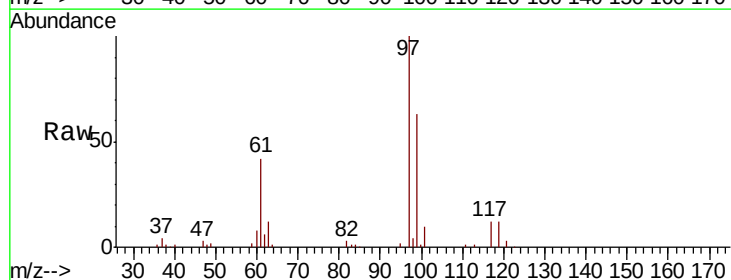


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

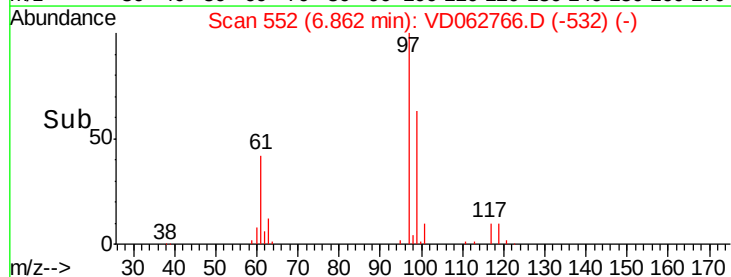
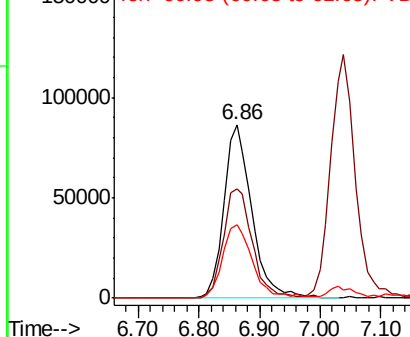


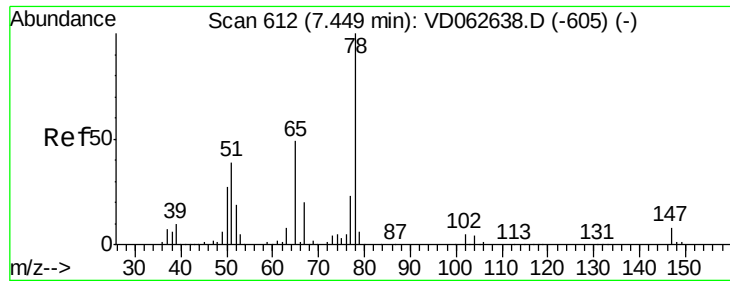
#32
1,1,1-Trichloroethane
Concen: 22.441 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 97 Resp: 275160
Ion Ratio Lower Upper
97 100
99 62.8 51.4 77.0
61 42.3 35.6 53.4



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

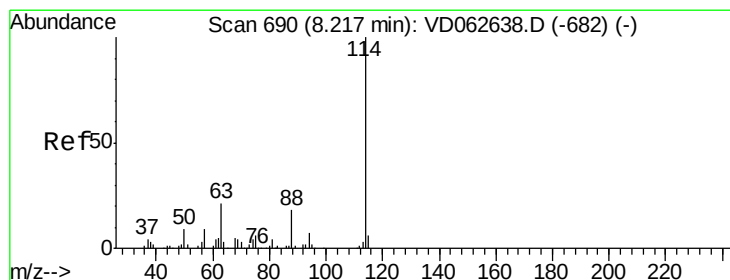
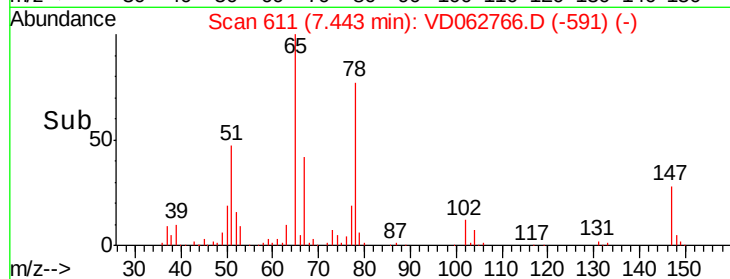
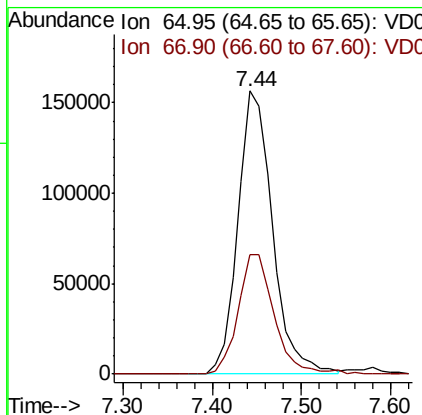
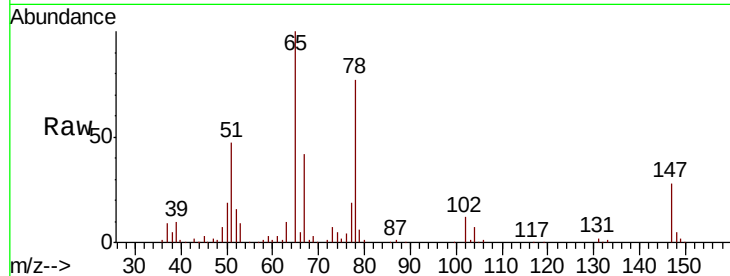




#33
 1,2-Dichloroethane-d4
 Concen: 55.276 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

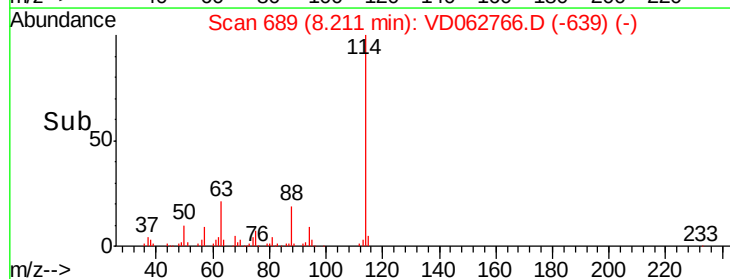
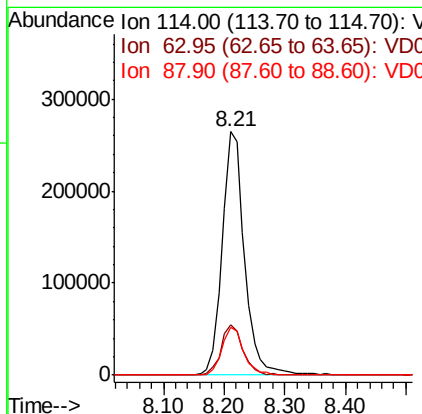
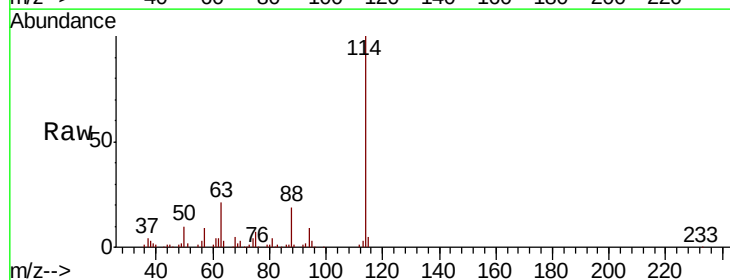
Instrument :
 MSVOA_D
 ClientSampleId :

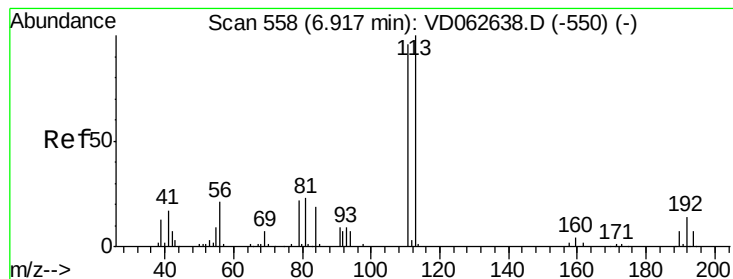
Tot Ion: 65 Resp: 421979
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion: 114 Resp: 676077
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.4
 88 19.4 0.0 36.8





#35

Dibromofluoromethane

Concen: 59.885 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampleId :

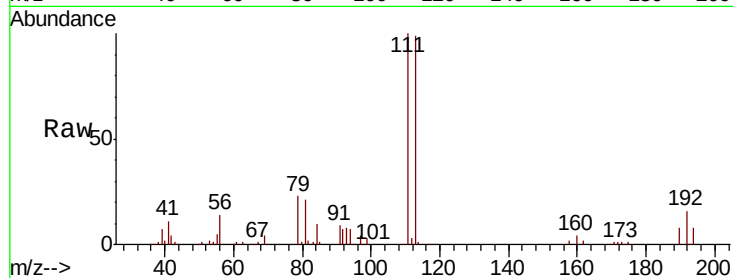
Tot Ion:113 Resp: 426988

Ion Ratio Lower Upper

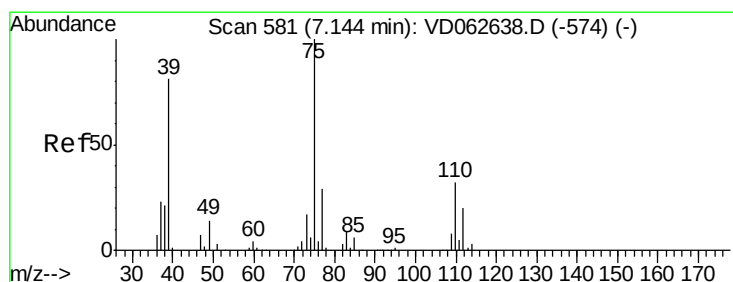
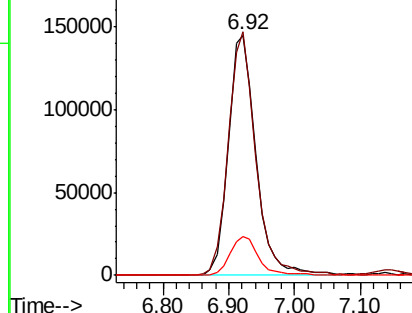
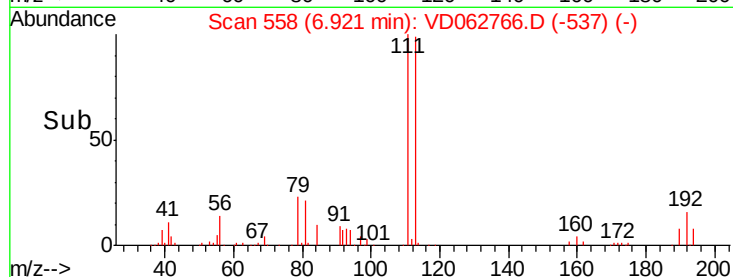
113 100

111 101.3 76.4 114.6

192 16.0 11.4 17.0



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: 22.161 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

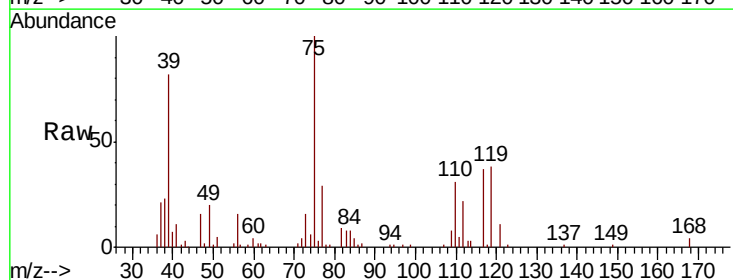
Tgt Ion: 75 Resp: 171478

Ion Ratio Lower Upper

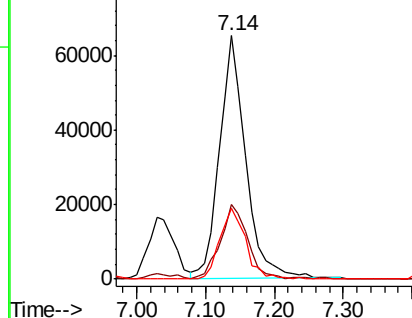
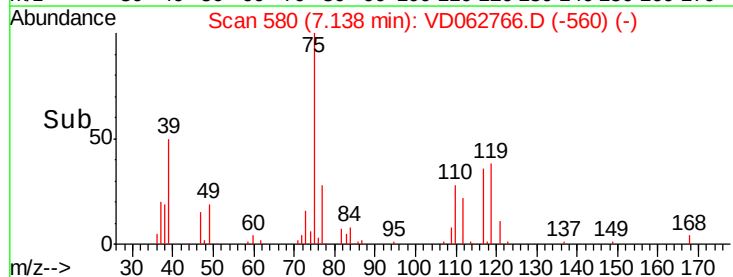
75 100

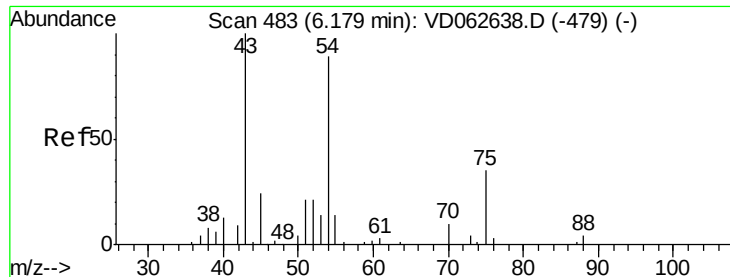
110 30.8 15.9 47.7

77 29.3 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 25.560 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampled :

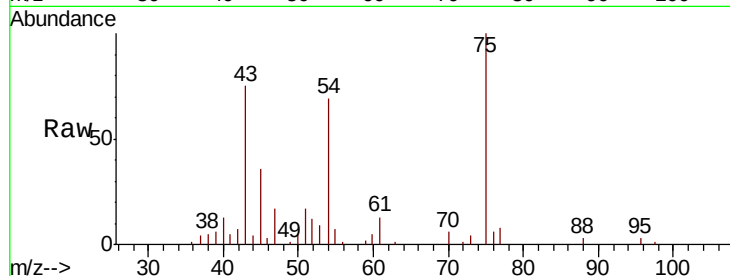
Tot Ion: 43 Resp: 82344

Ion Ratio Lower Upper

43 100

61 16.6 8.7 13.1#

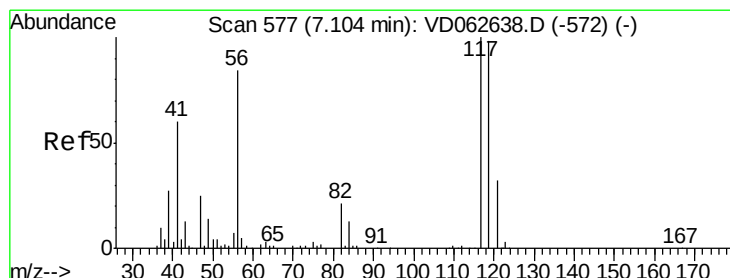
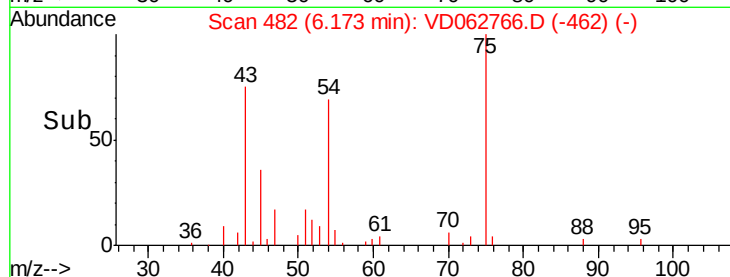
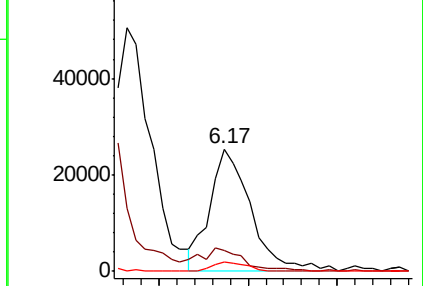
70 7.4 6.5 9.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 23.458 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

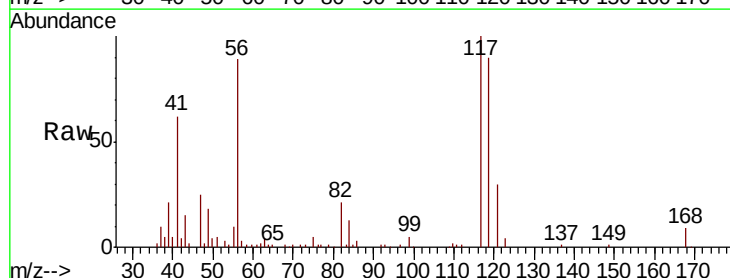
Tgt Ion: 117 Resp: 286896

Ion Ratio Lower Upper

117 100

119 90.3 73.5 110.3

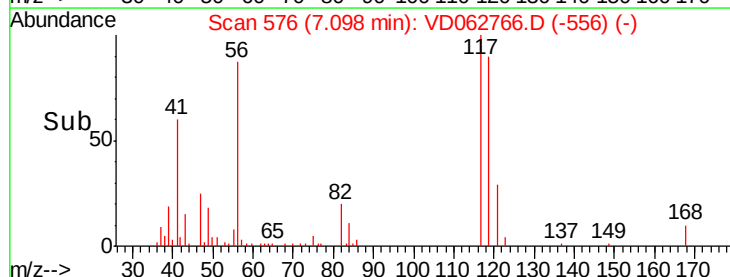
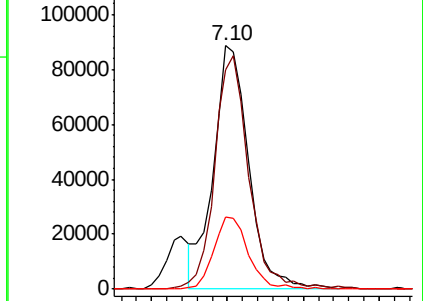
121 29.7 24.2 36.4

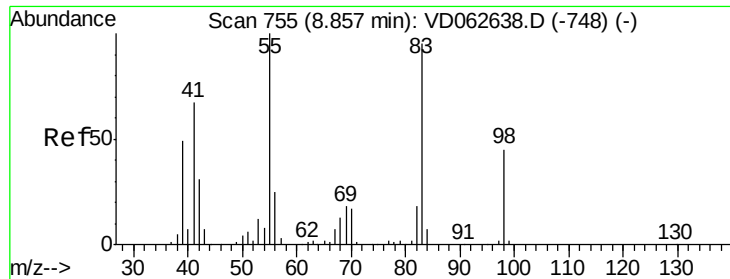


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

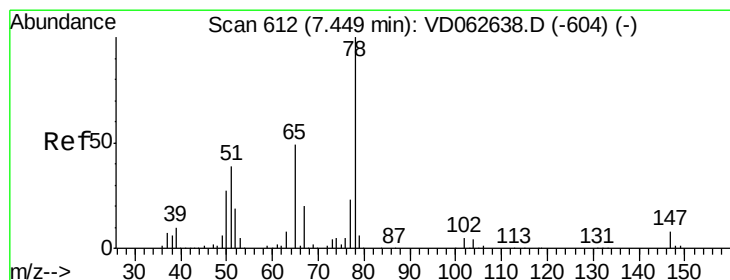
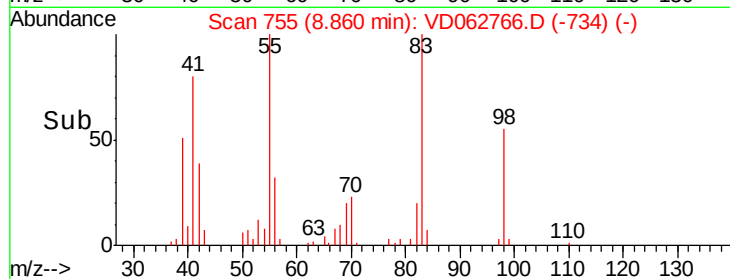
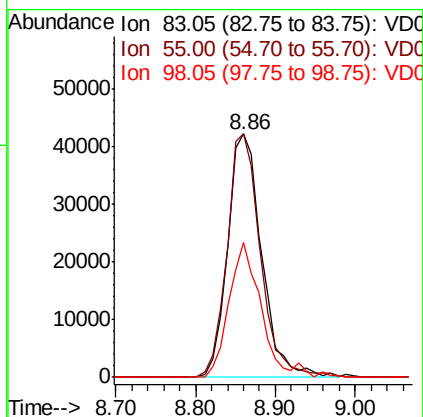
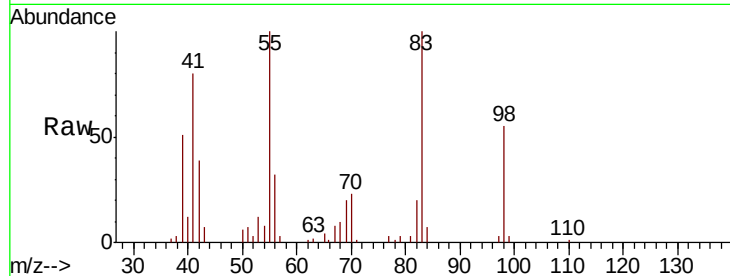




#39
Methylvlcyclohexane
Concen: 19.987 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

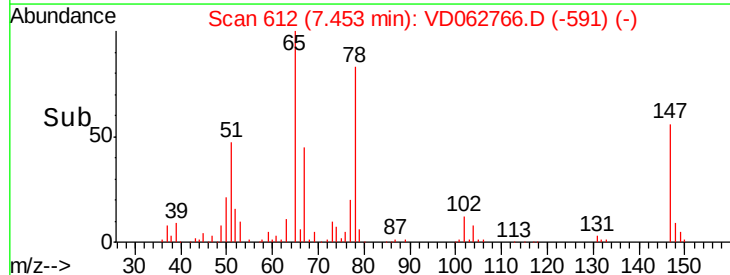
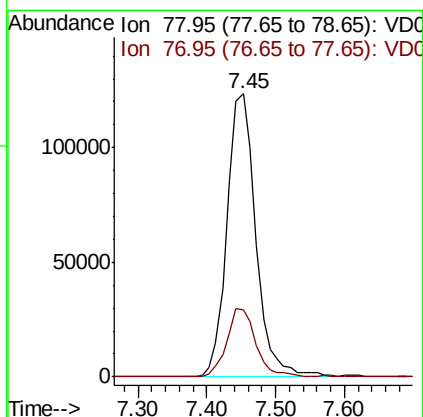
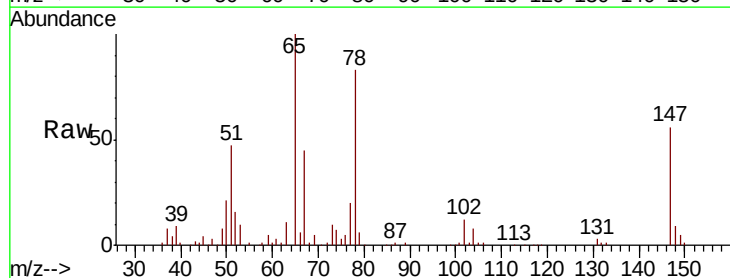
Instrument :
MSVOA_D
ClientSampleId :

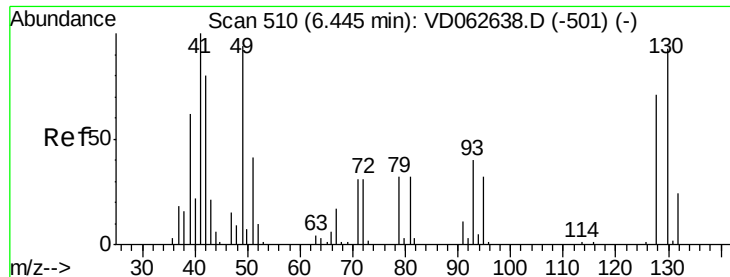
Tot Ion: 83 Resp: 124974
Ion Ratio Lower Upper
83 100
55 99.9 84.6 127.0
98 55.3 38.2 57.4



#40
Benzene
Concen: 23.772 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 78 Resp: 359211
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

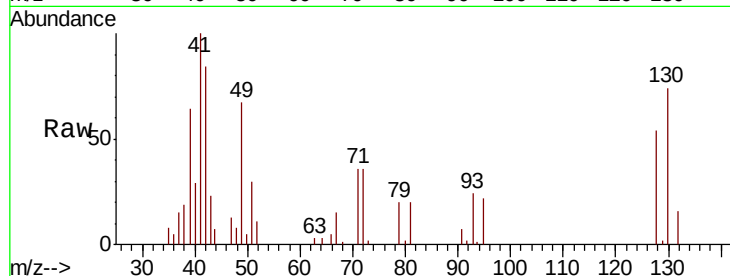




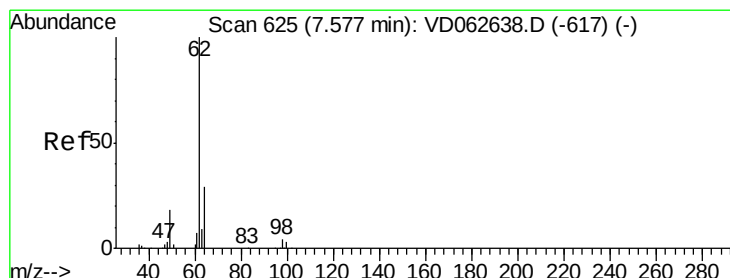
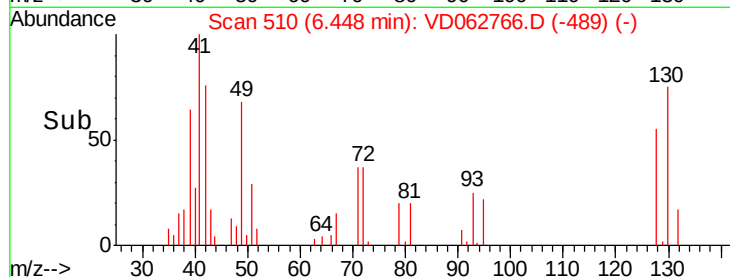
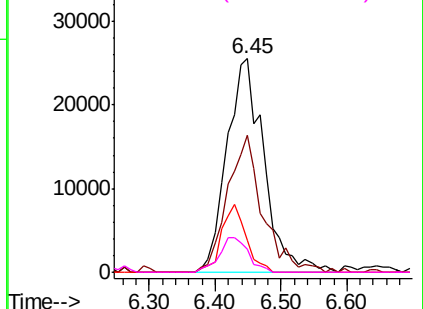
#41
Methacrylonitrile
Concen: 24.818 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	100525
Ion	Ratio	Lower	Upper
41	100		
39	64.2	49.2	73.8
67	15.0	13.9	20.9
52	10.6	7.6	11.4

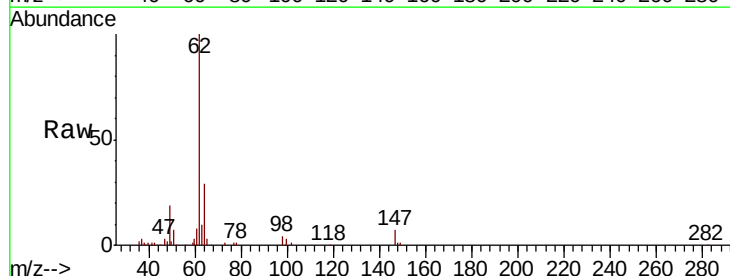


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

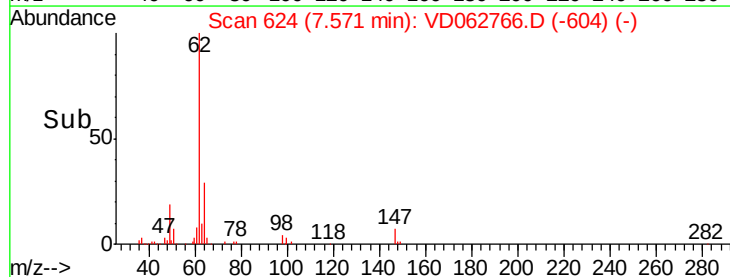
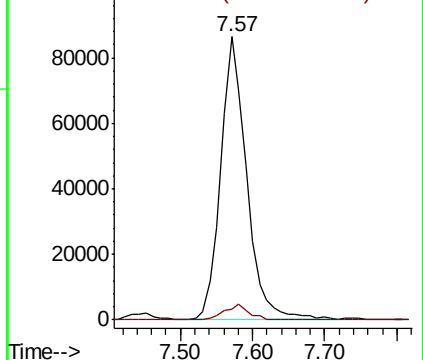


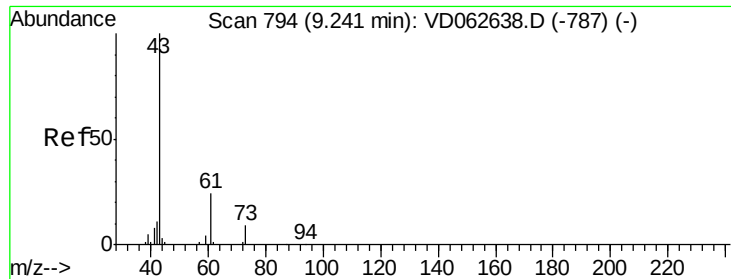
#42
1,2-Dichloroethane
Concen: 23.998 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion:	62	Resp:	216146
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	7.4



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

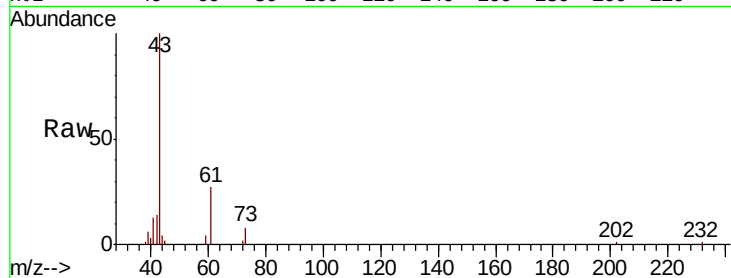




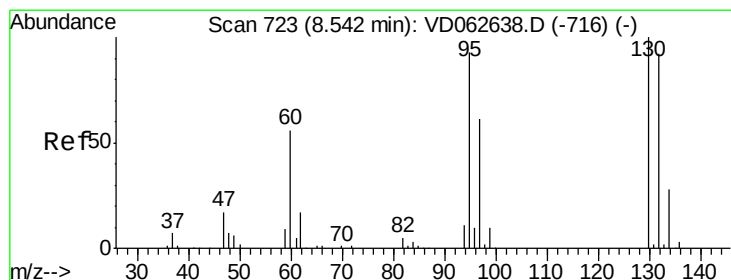
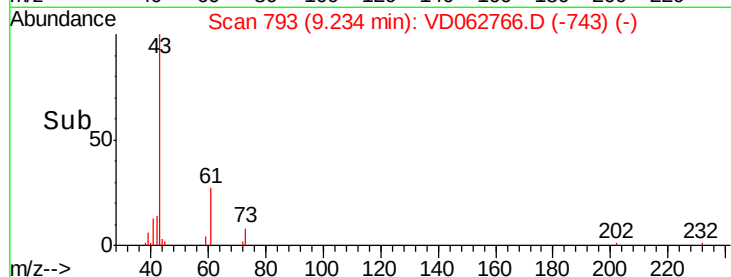
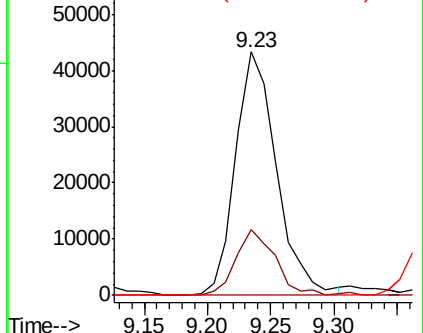
#43
Isopropyl Acetate
Concen: 24.016 ug/l
RT: 9.23 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 98051
Ion Ratio Lower Upper
43 100
61 27.2 19.0 28.6
87 0.0 0.3 0.5#

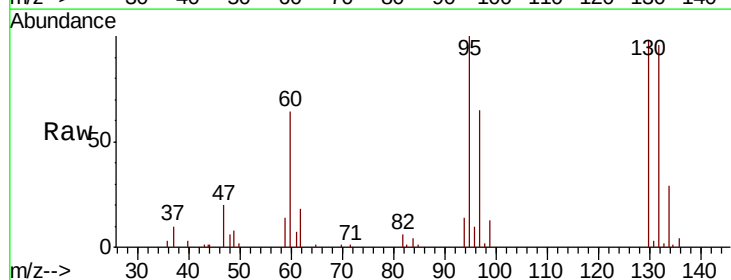


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

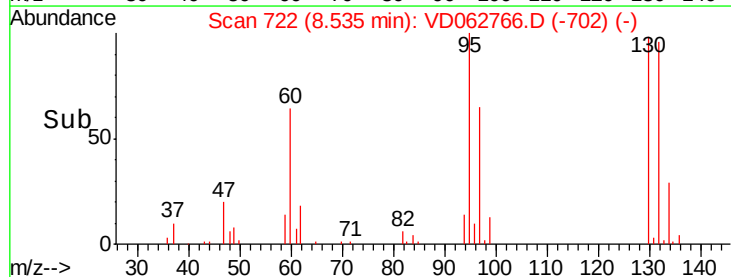
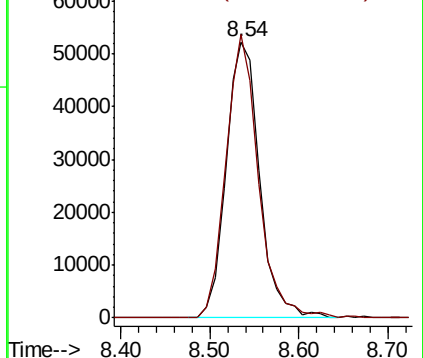


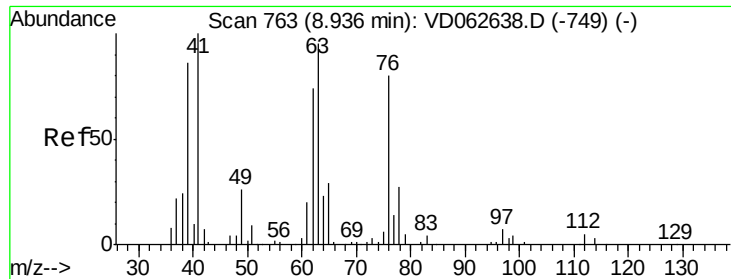
#44
Trichloroethene
Concen: 22.331 ug/l
RT: 8.54 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion:130 Resp: 136994
Ion Ratio Lower Upper
130 100
95 102.5 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 22.977 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

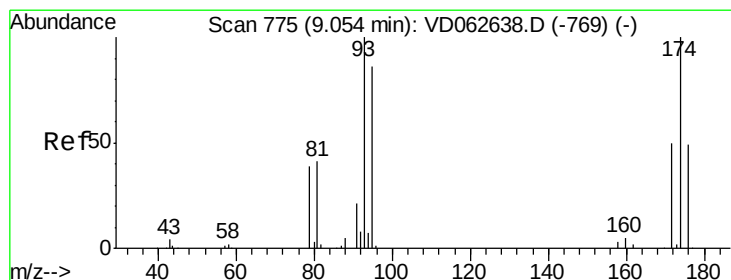
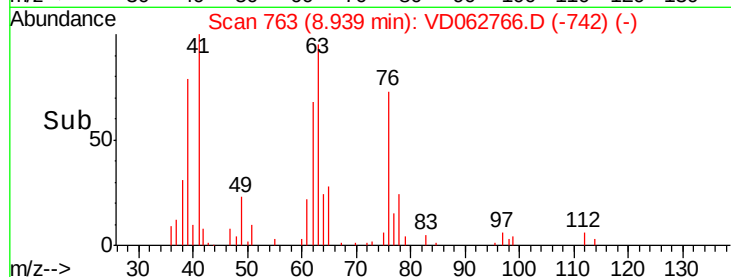
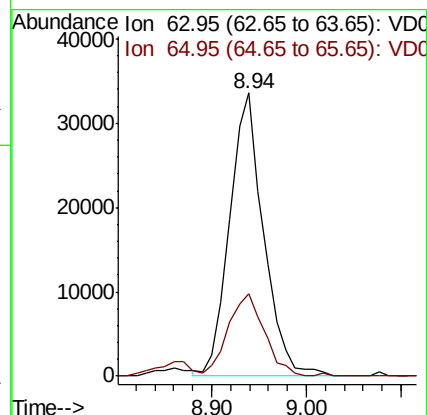
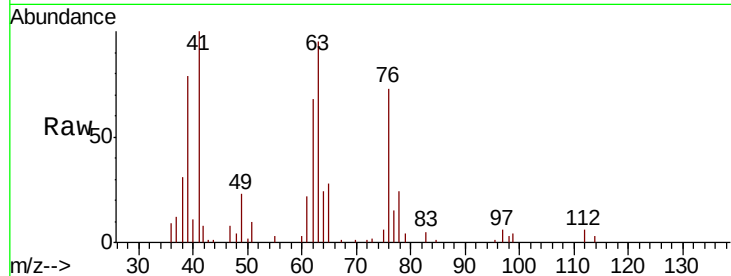
ClientSampleId :

Tot Ion: 63 Resp: 83397

Ion Ratio Lower Upper

63 100

65 29.2 24.6 37.0



#46

Dibromomethane

Concen: 25.378 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

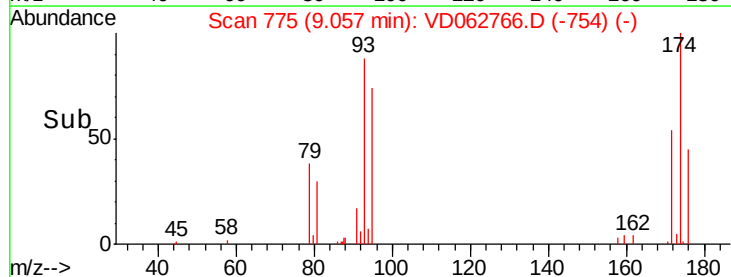
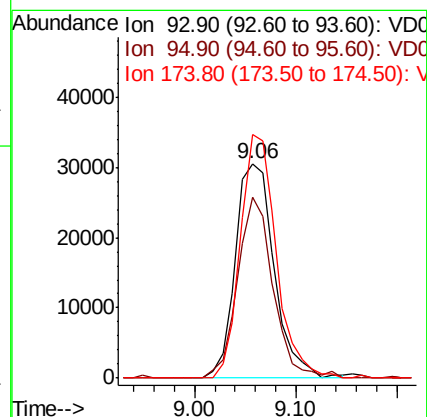
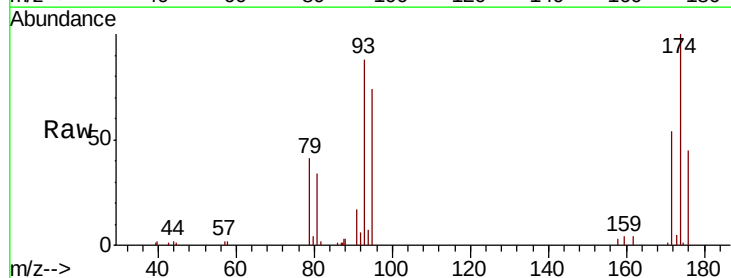
Tgt Ion: 93 Resp: 81765

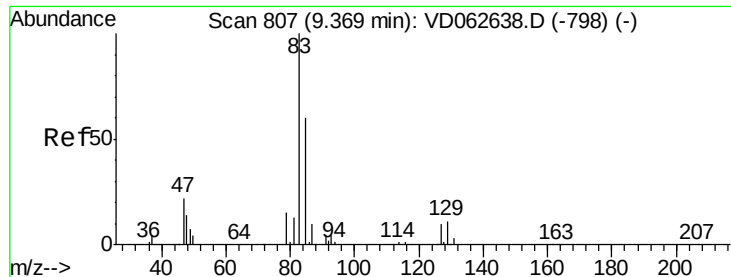
Ion Ratio Lower Upper

93 100

95 84.5 68.7 103.1

174 113.6 79.8 119.8





#47

Bromodichloromethane

Concen: 24.439 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampled :

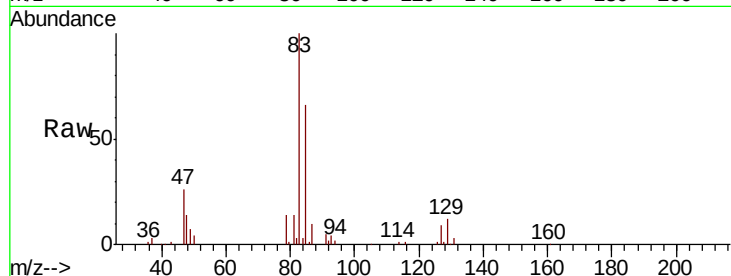
Tot Ion: 83 Resp: 214192

Ion Ratio Lower Upper

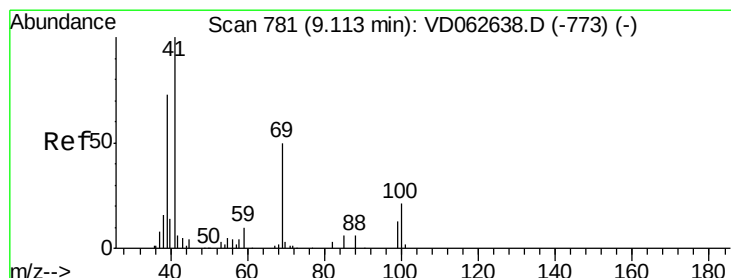
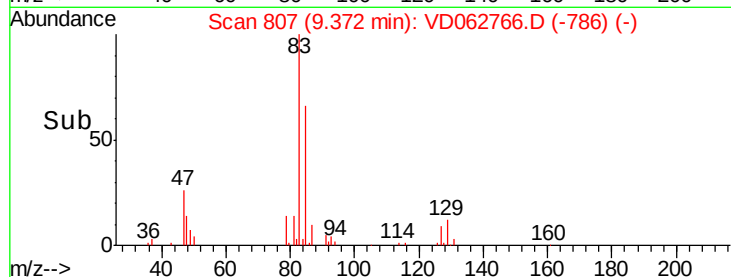
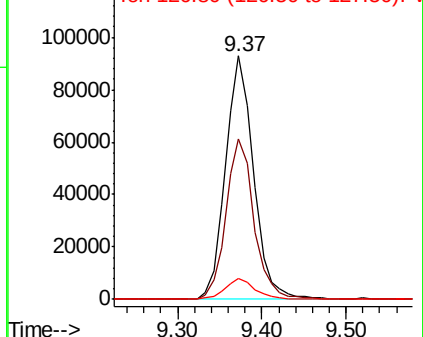
83 100

85 66.1 47.9 71.9

127 8.6 8.2 12.4



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: 23.924 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

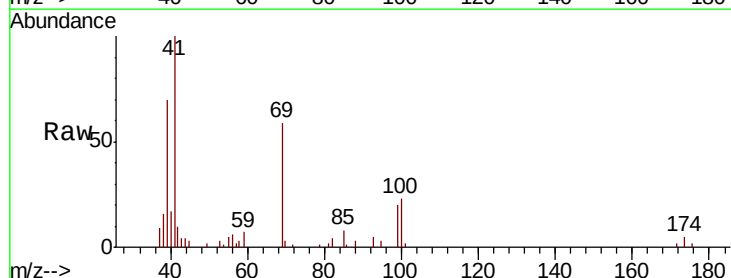
Tgt Ion: 41 Resp: 70566

Ion Ratio Lower Upper

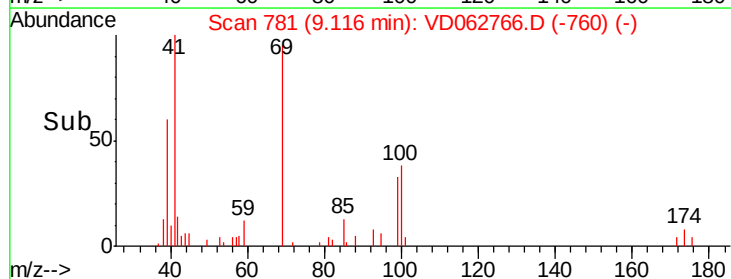
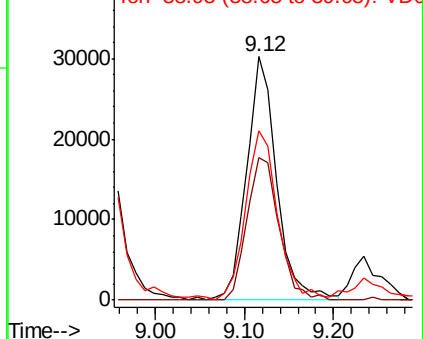
41 100

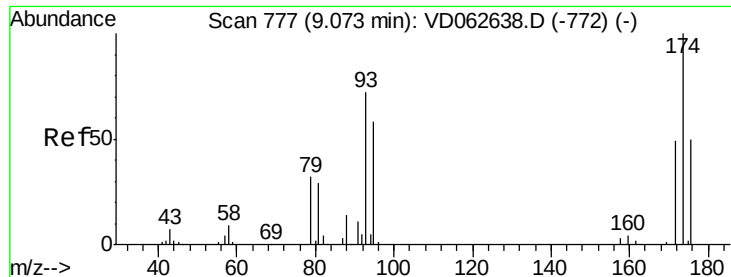
69 58.7 39.8 59.6

39 69.6 59.1 88.7



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

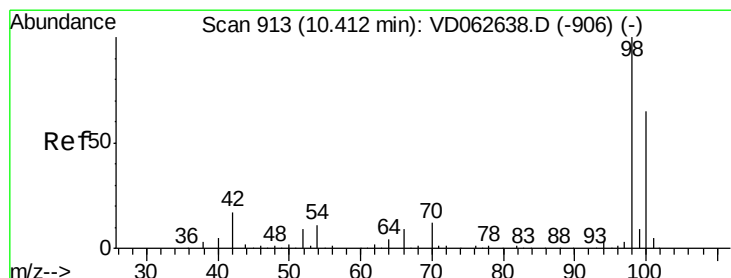
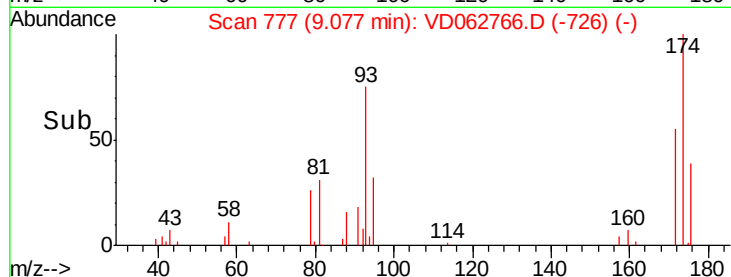
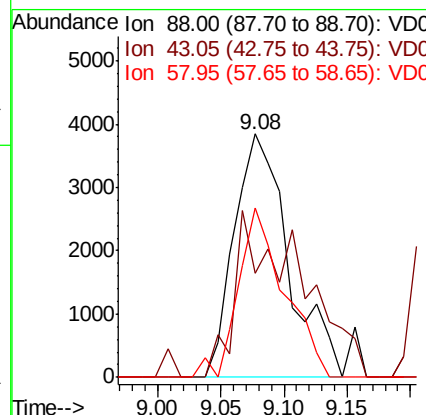
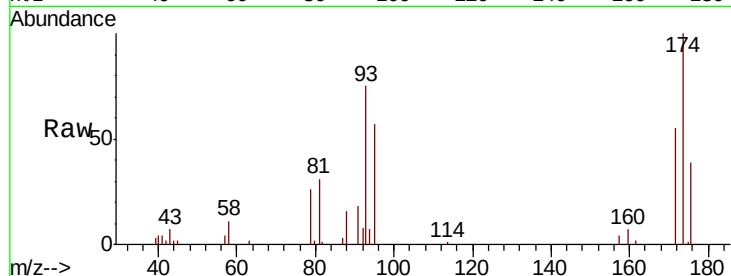




#49
1,4-Dioxane
Concen: 462.337 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

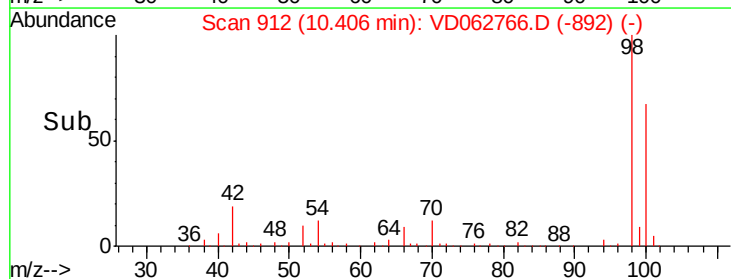
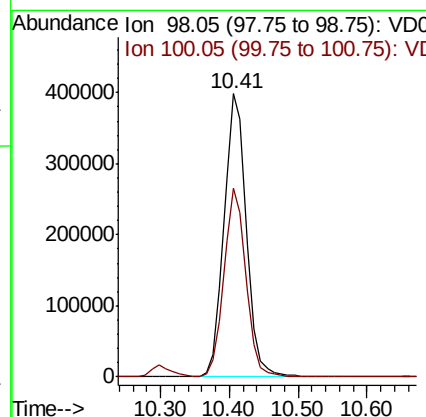
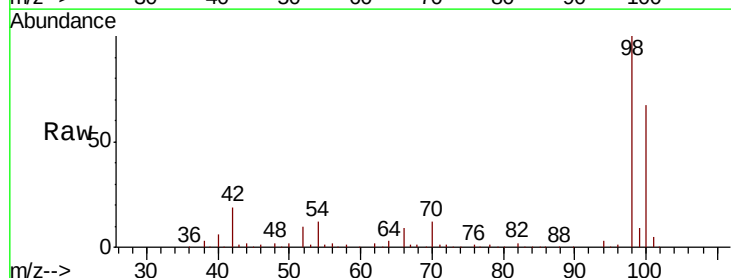
Instrument :
MSVOA_D
ClientSampleId :

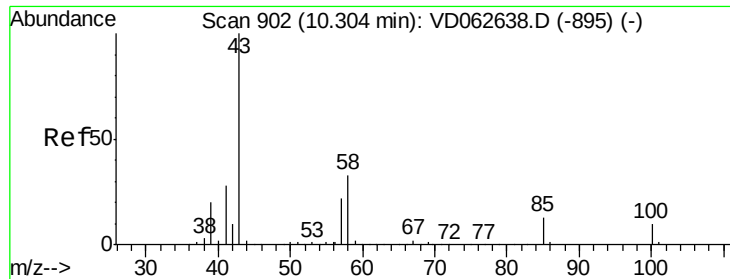
Tot Ion: 88 Resp: 11491
Ion Ratio Lower Upper
88 100
43 54.9 40.7 61.1
58 69.4 54.2 81.4



#50
Toluene-d8
Concen: 59.393 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 98 Resp: 890853
Ion Ratio Lower Upper
98 100
100 66.8 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 122.622 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

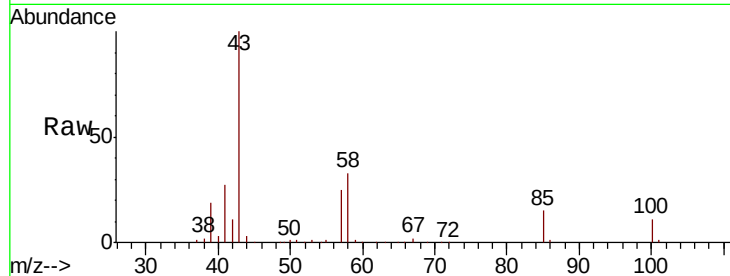
ClientSampleId :

Tot Ion: 43 Resp: 350303

Ion Ratio Lower Upper

43 100

58 33.4 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

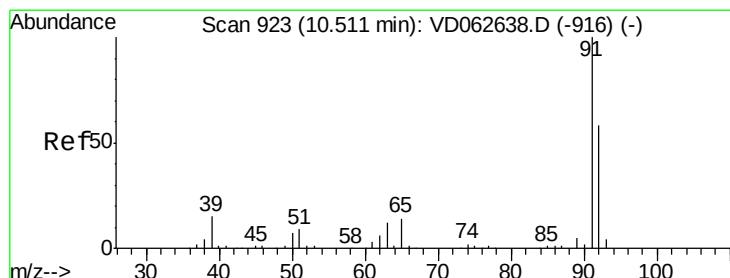
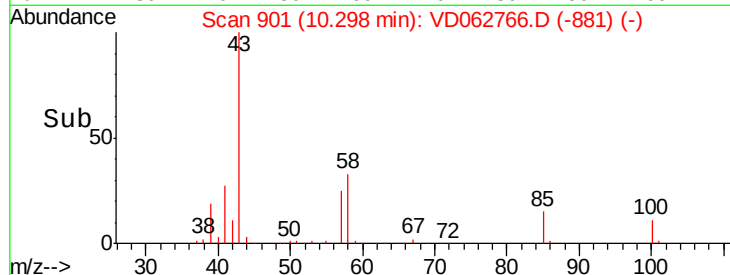
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.216 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062766.D

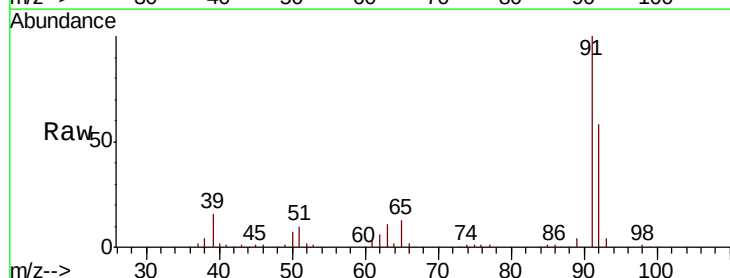
Acq: 19 Jun 2019 1:29

Tgt Ion: 92 Resp: 225652

Ion Ratio Lower Upper

92 100

91 171.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

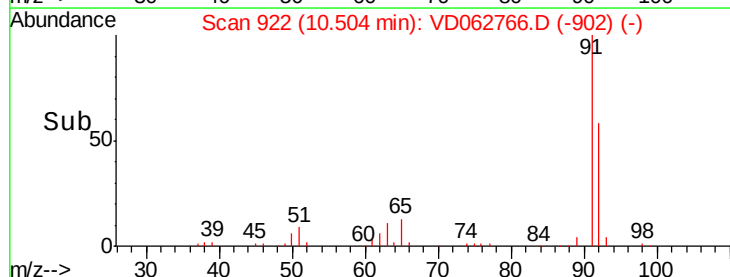
150000

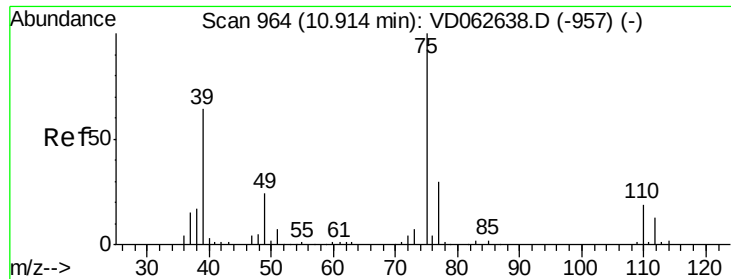
100000

50000

0

Time-->

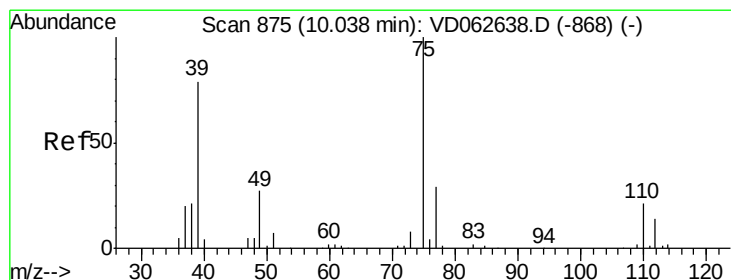
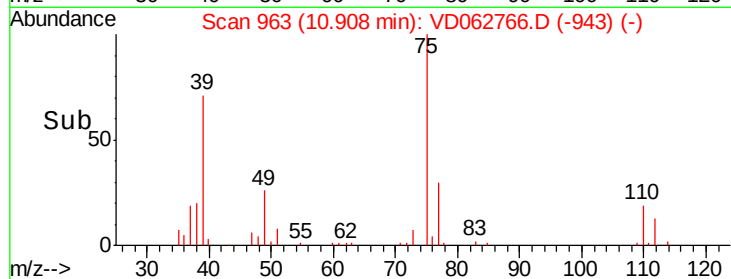
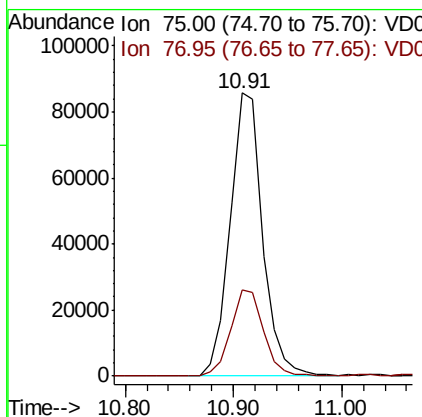
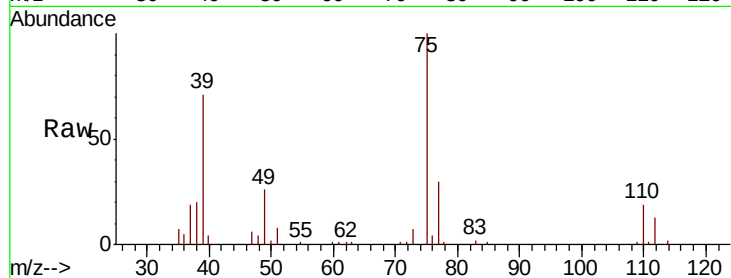




#53
 t-1,3-Dichloropropene
 Concen: 24.893 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

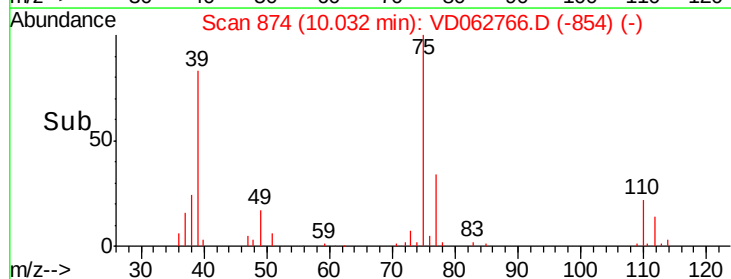
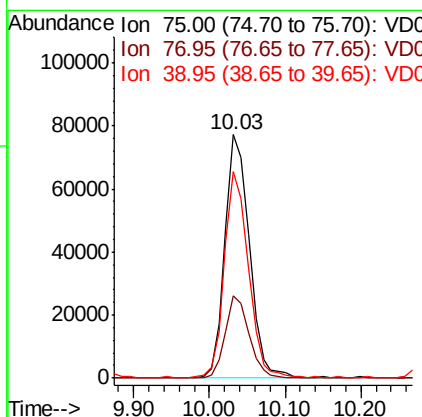
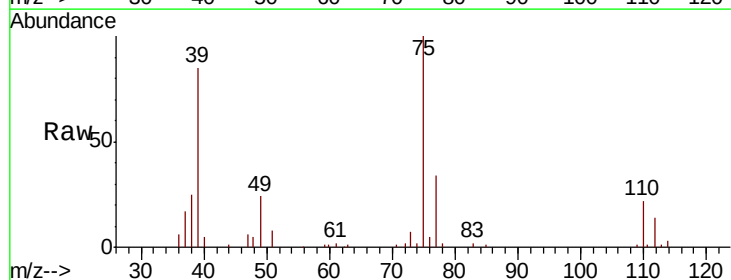
Instrument :
 MSVOA_D
 ClientSampleId :

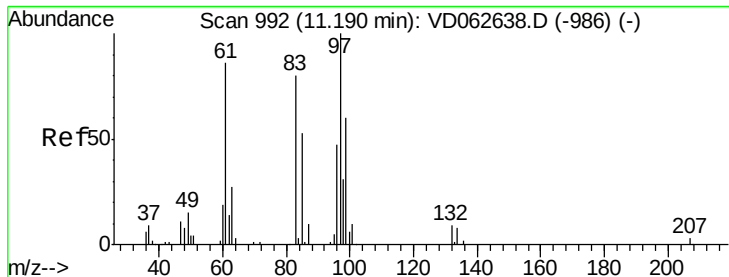
Tot Ion: 75 Resp: 178875
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 23.416 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion: 75 Resp: 173907
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.1 34.7
 39 84.8 63.4 95.2

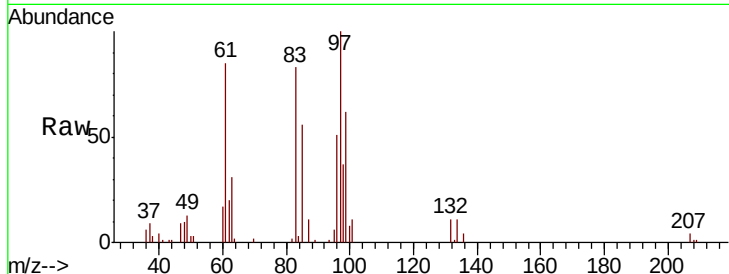




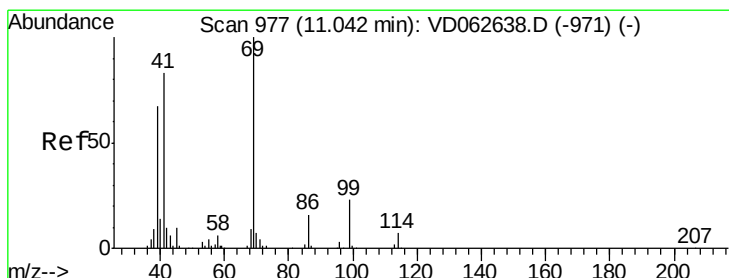
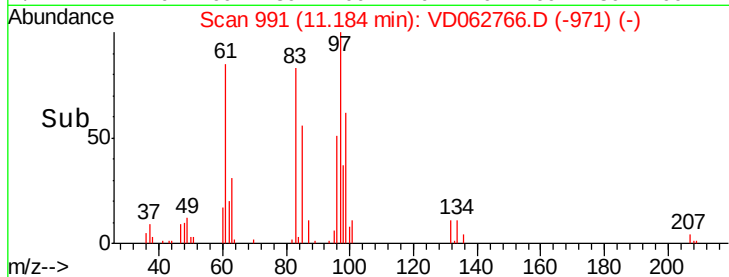
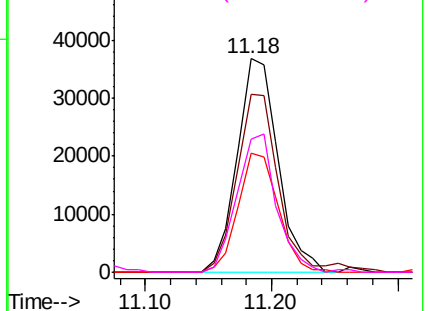
#55
 1,1,2-Trichloroethane
 Concen: 23.753 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	82739
Ion	Ratio	Lower	Upper
97	100		
83	83.3	63.8	95.8
85	55.8	42.3	63.5
99	62.2	48.0	72.0

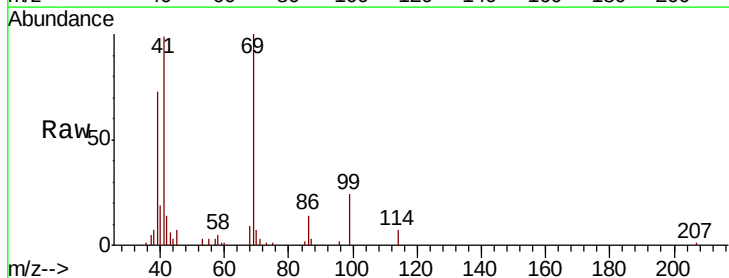


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

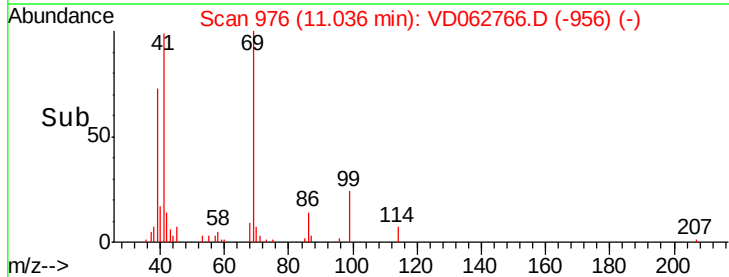
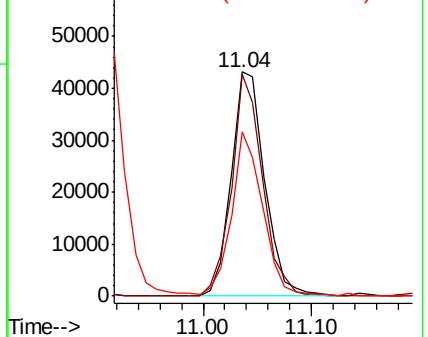


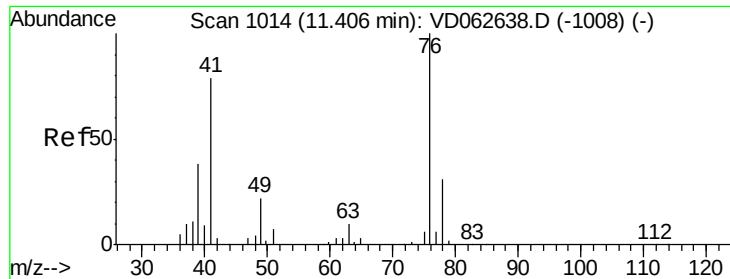
#56
 Ethyl methacrylate
 Concen: 24.213 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion:	69	Resp:	92368
Ion	Ratio	Lower	Upper
69	100		
41	98.9	66.2	99.4
39	73.5	53.8	80.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

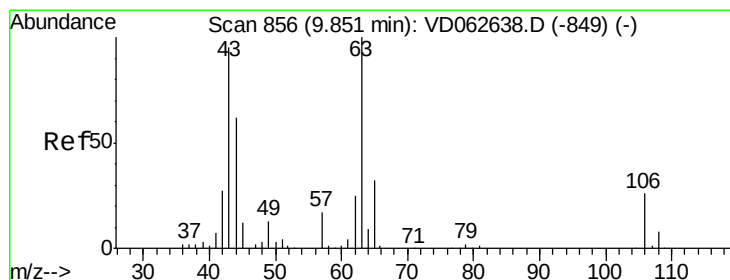
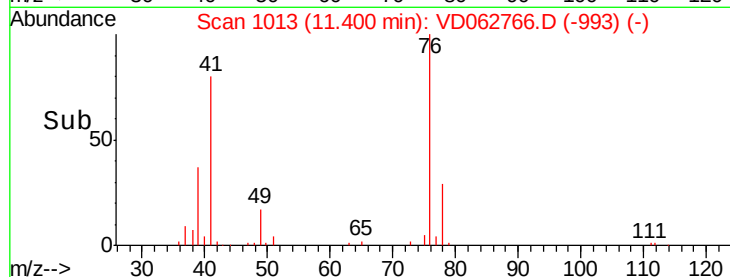
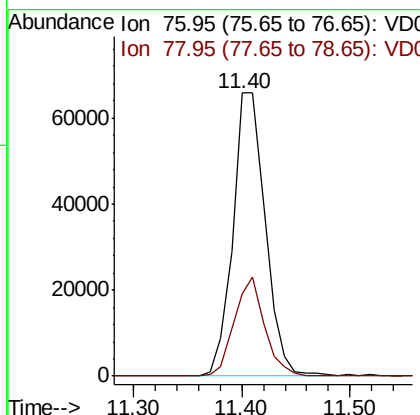
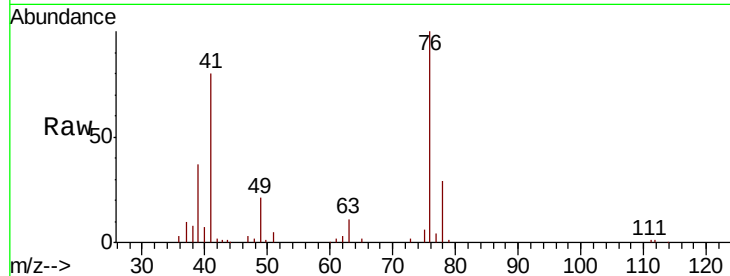




#57
 1,3-Dichloropropane
 Concen: 25.445 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

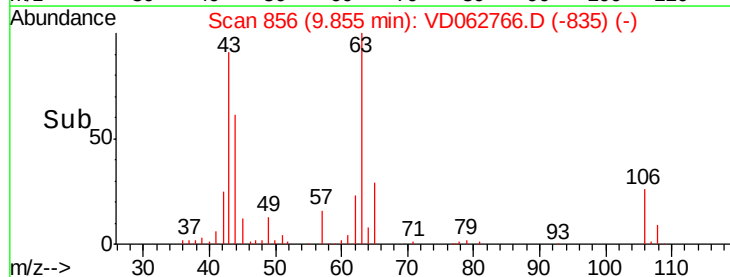
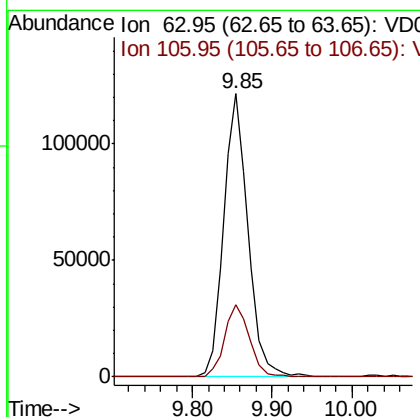
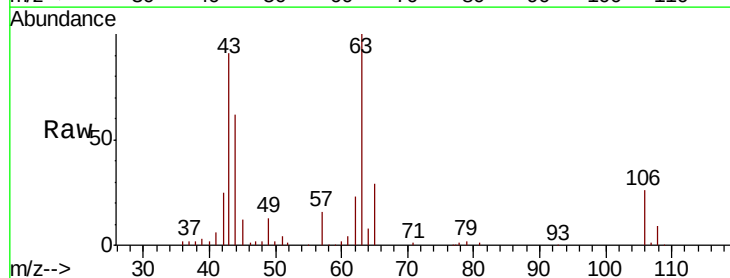
Instrument :
 MSVOA_D
 ClientSampled :

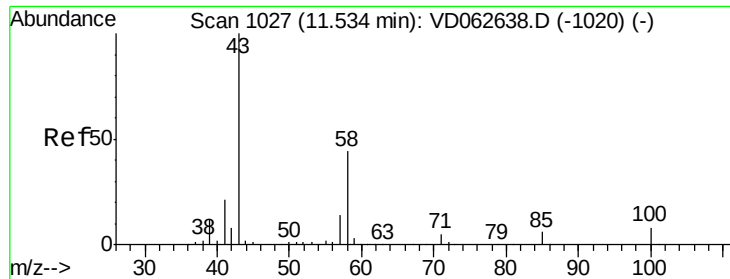
Tot Ion: 76 Resp: 137379
 Ion Ratio Lower Upper
 76 100
 78 29.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 139.952 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion: 63 Resp: 260560
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.5 30.7

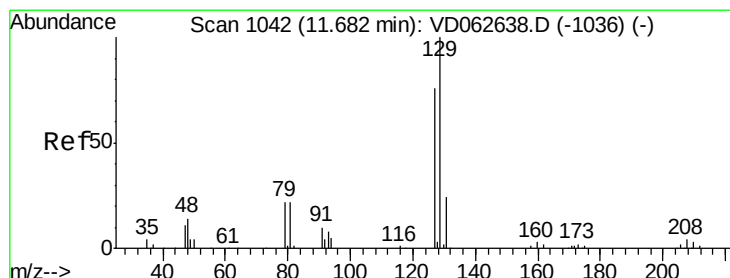
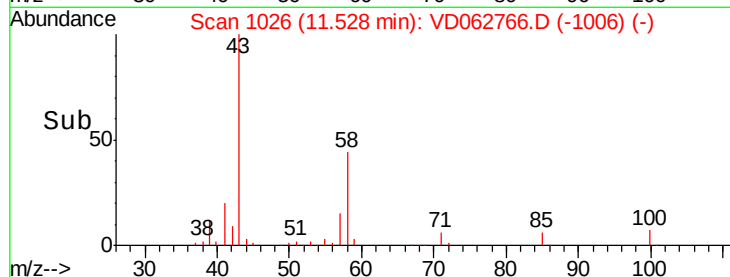
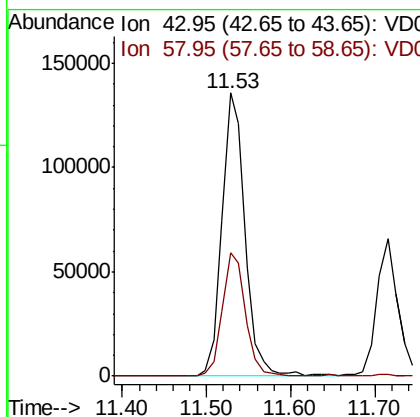
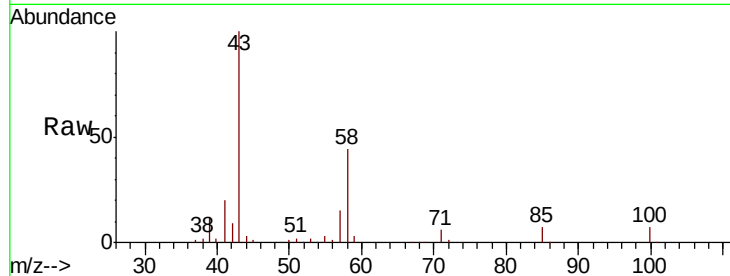




#59
2-Hexanone
Concen: 121.354 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

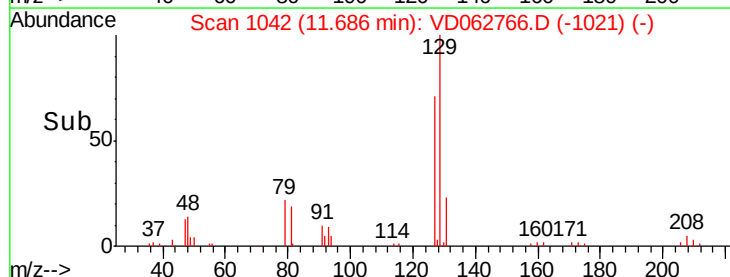
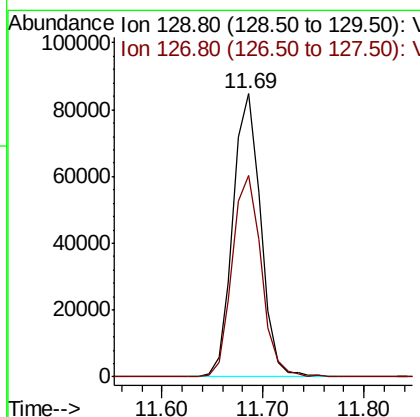
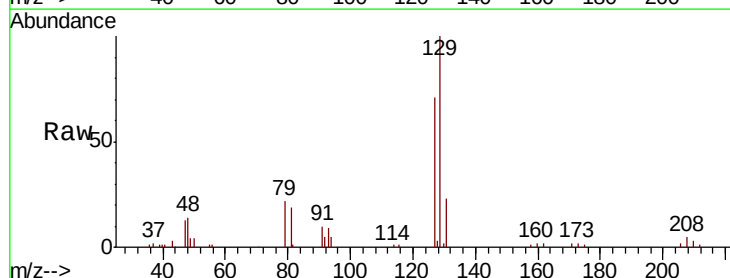
Instrument :
MSVOA_D
ClientSampleId :

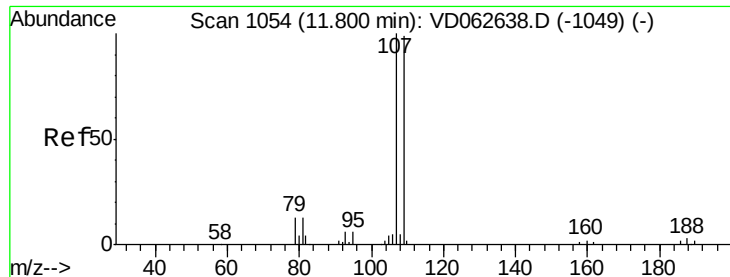
Tot Ion: 43 Resp: 257882
Ion Ratio Lower Upper
43 100
58 43.7 21.8 65.4



#60
Dibromochloromethane
Concen: 23.627 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion:129 Resp: 162465
Ion Ratio Lower Upper
129 100
127 71.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 24.859 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

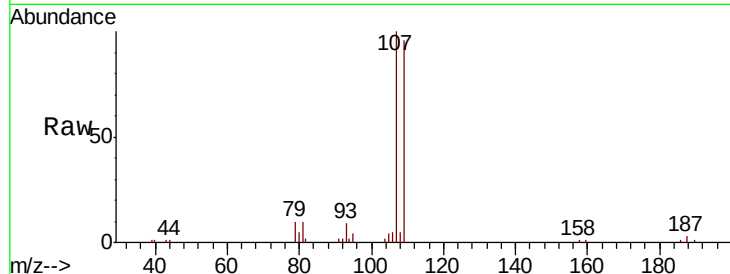
ClientSampleId :

Tot Ion:107 Resp: 103637

Ion Ratio Lower Upper

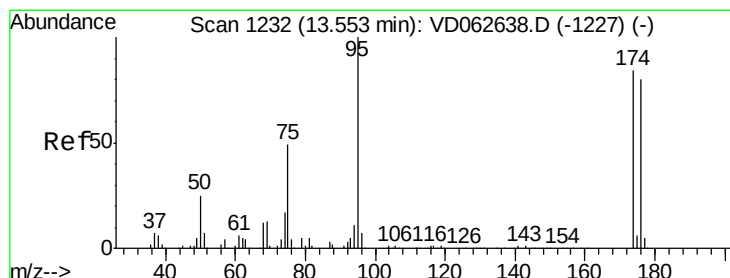
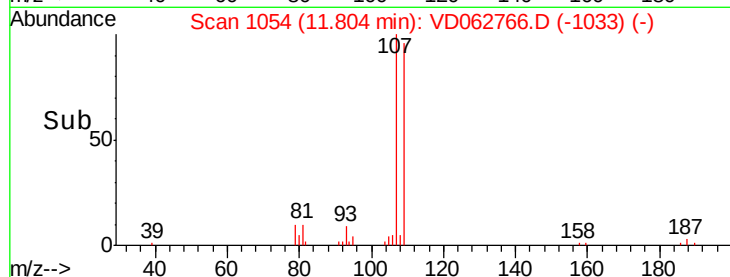
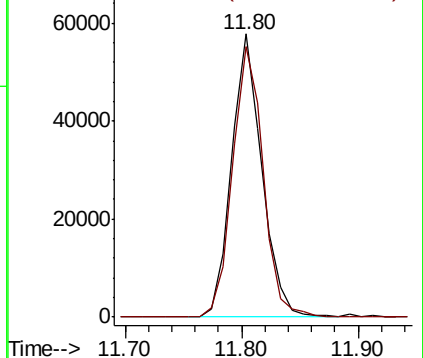
107 100

109 95.7 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 59.389 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

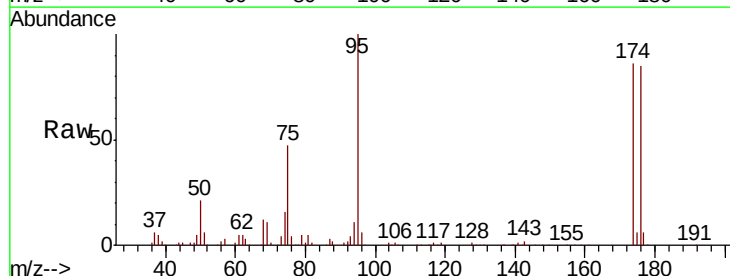
Tgt Ion: 95 Resp: 415586

Ion Ratio Lower Upper

95 100

174 86.4 0.0 167.0

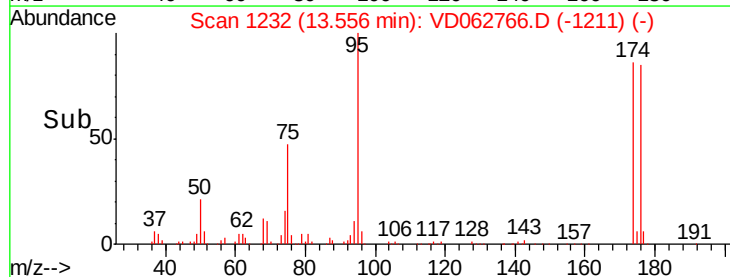
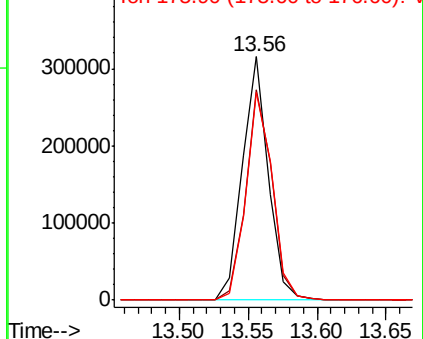
176 85.1 0.0 159.2

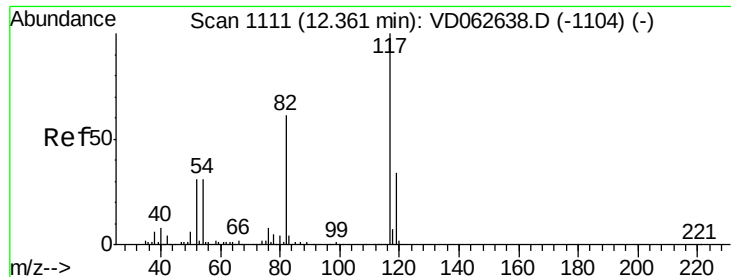


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

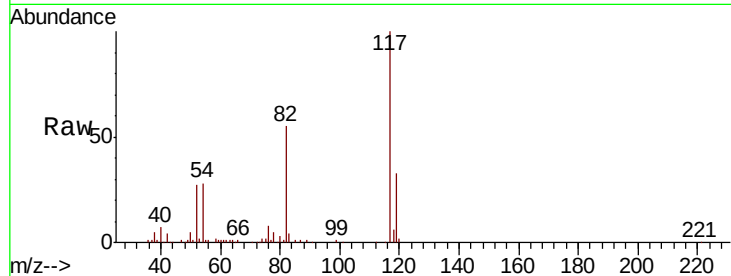




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	48.7	73.1
119	32.7	27.0	40.6

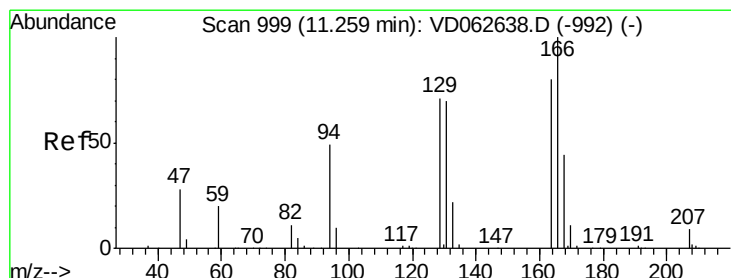
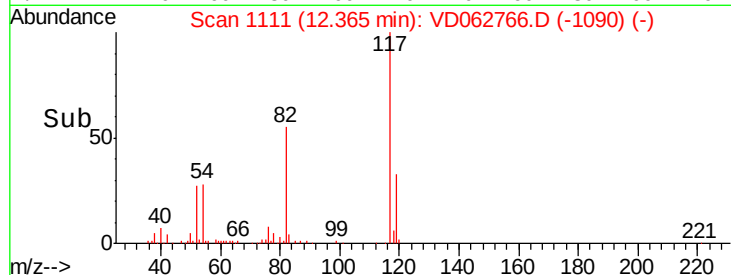
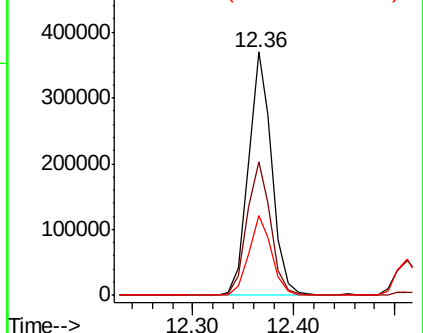


Abundance

Ion 116.95 (116.65 to 117.65): V

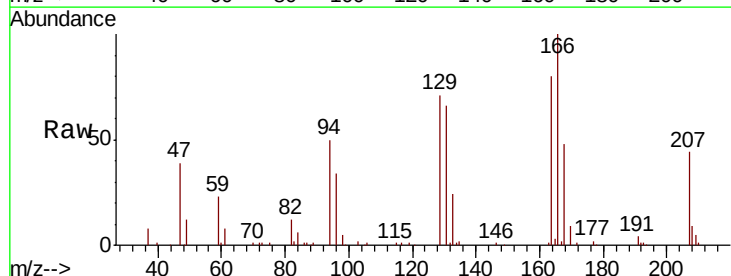
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 26.348 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	99.4	149.2
129	89.1	70.2	105.4
131	82.6	69.3	103.9



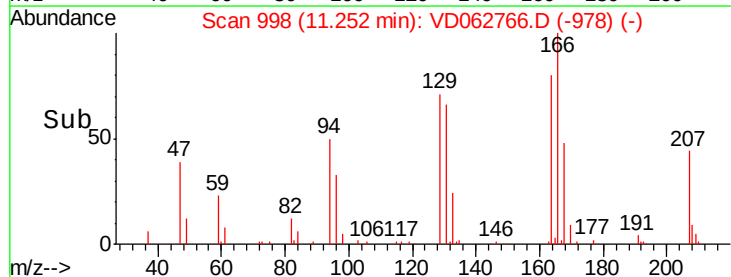
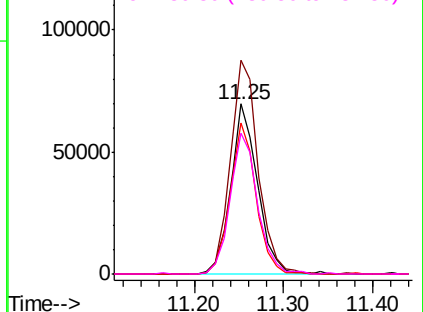
Abundance

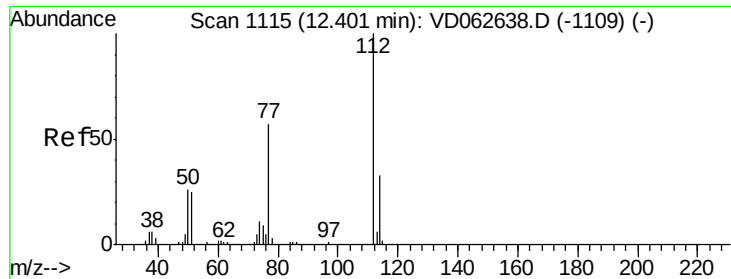
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

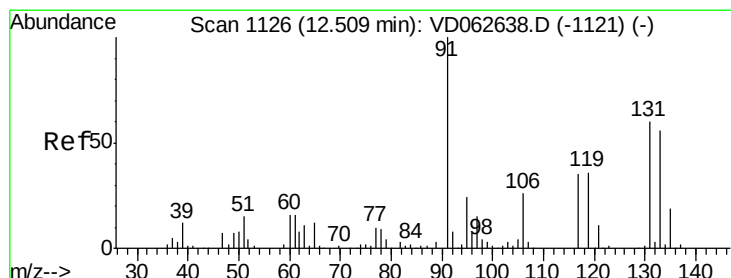
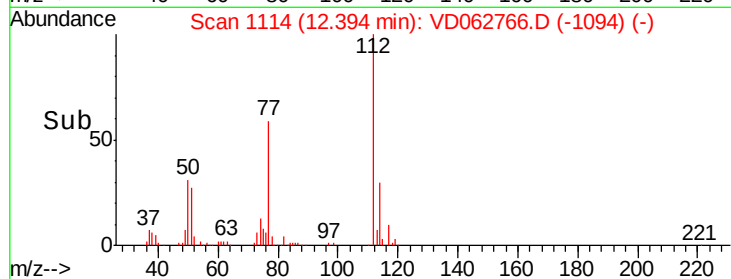
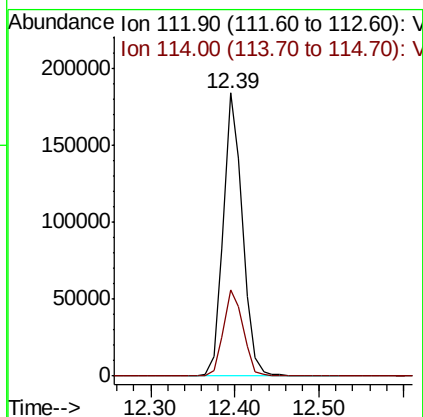
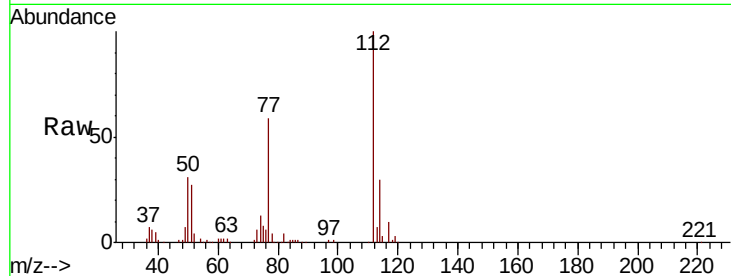




#65
Chlorobenzene
Concen: 22.070 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

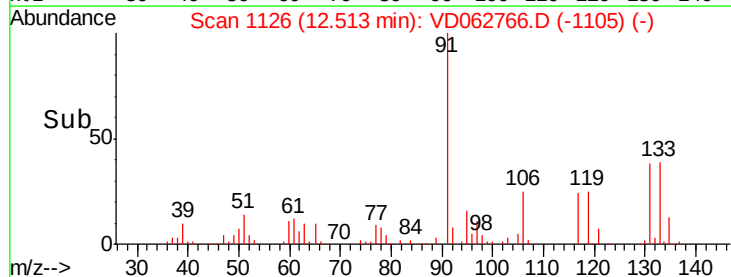
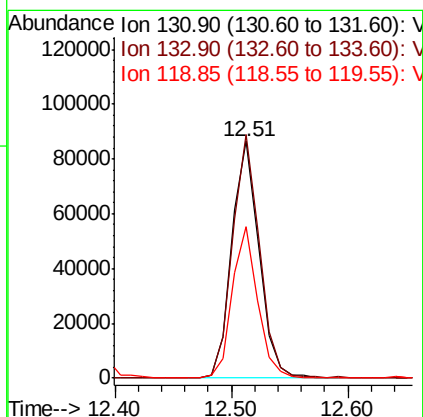
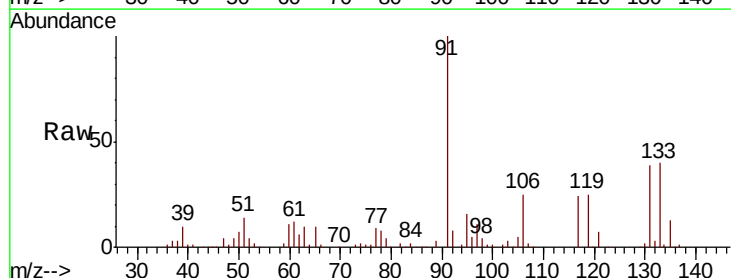
Instrument :
MSVOA_D
ClientSampled :

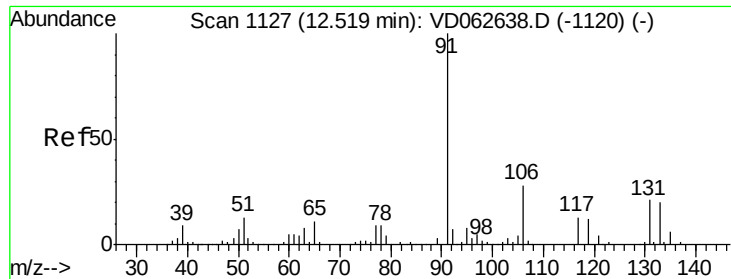
Tot Ion:112 Resp: 290453
Ion Ratio Lower Upper
112 100
114 30.3 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.338 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion:131 Resp: 140206
Ion Ratio Lower Upper
131 100
133 102.8 46.8 140.3
119 64.1 29.9 89.8

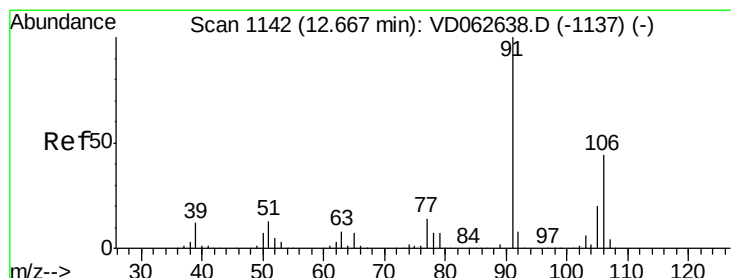
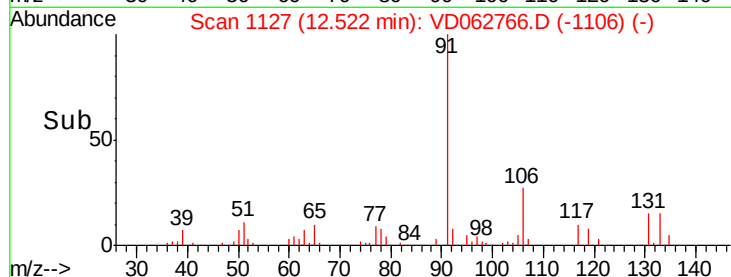
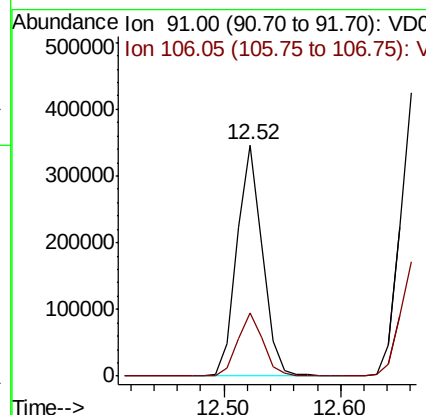
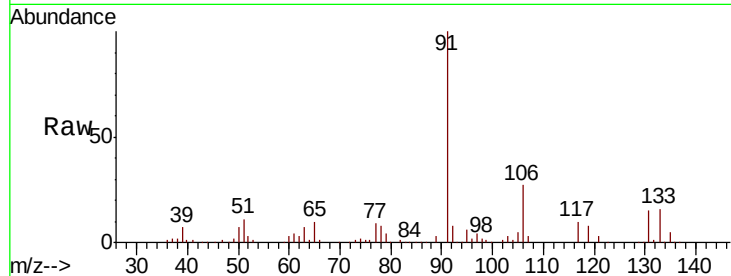




#67
Ethyl Benzene
Concen: 22.573 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

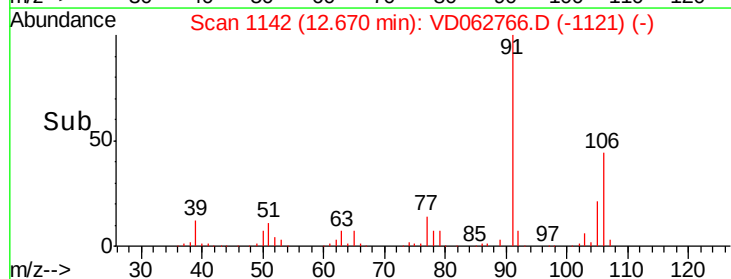
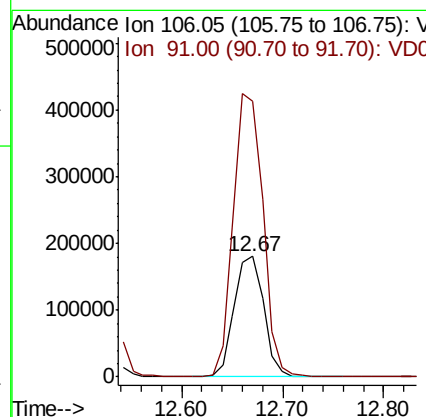
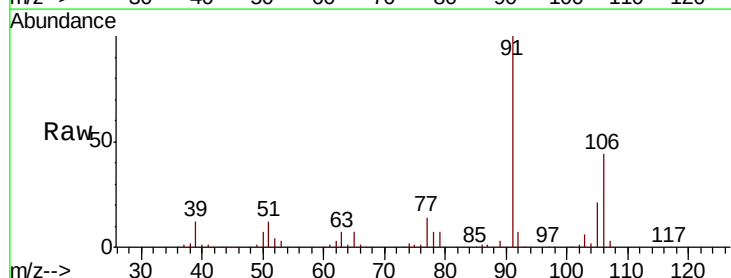
Instrument :
MSVOA_D
ClientSampled :

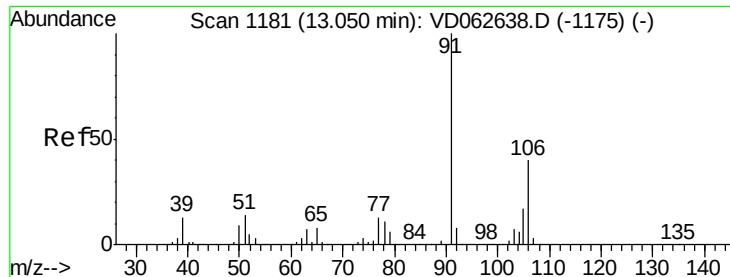
Tot Ion: 91 Resp: 526701
Ion Ratio Lower Upper
91 100
106 27.3 22.1 33.1



#68
m/p-Xylenes
Concen: 44.949 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 106 Resp: 368722
Ion Ratio Lower Upper
106 100
91 228.4 180.2 270.4

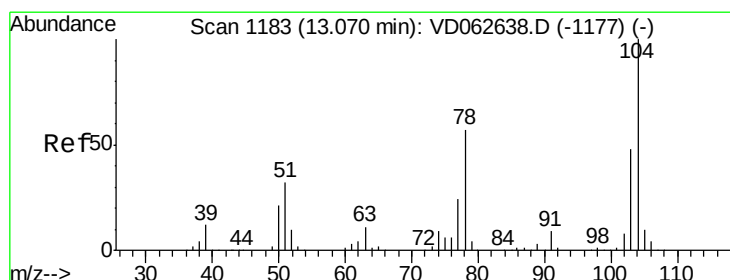
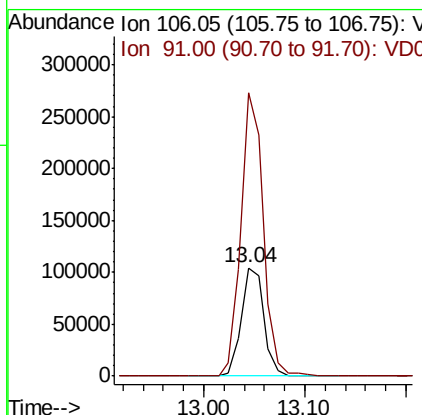
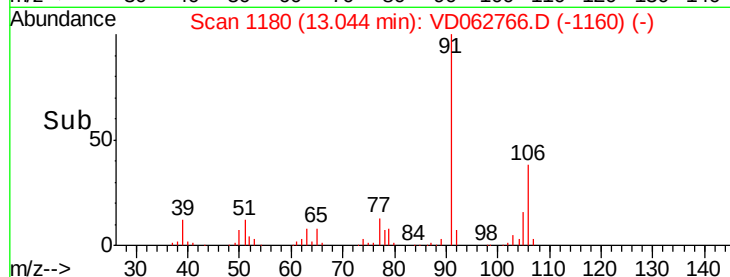
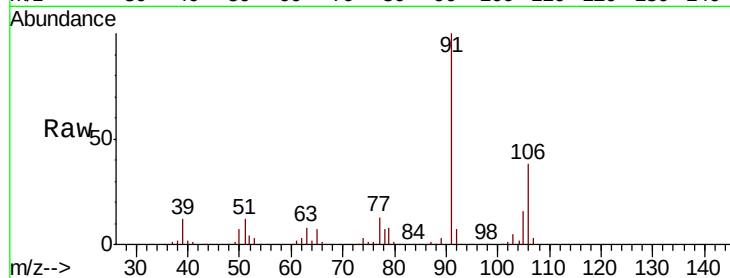




#69
o-Xylene
Concen: 21.532 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

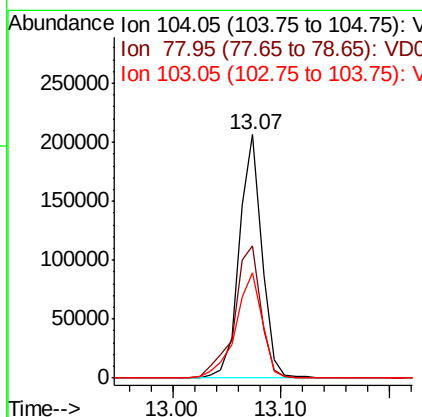
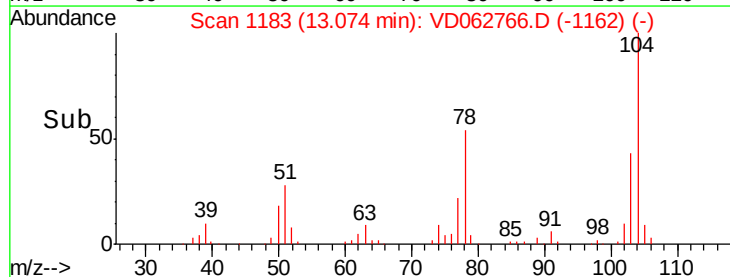
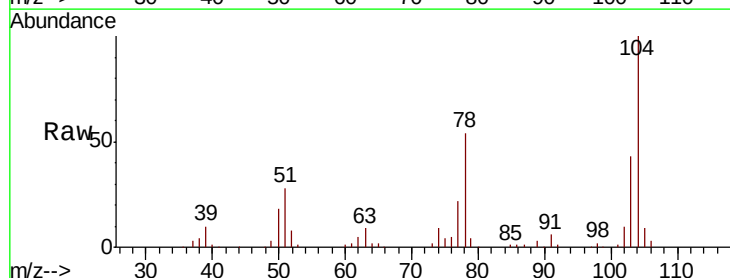
Instrument :
MSVOA_D
ClientSampled :

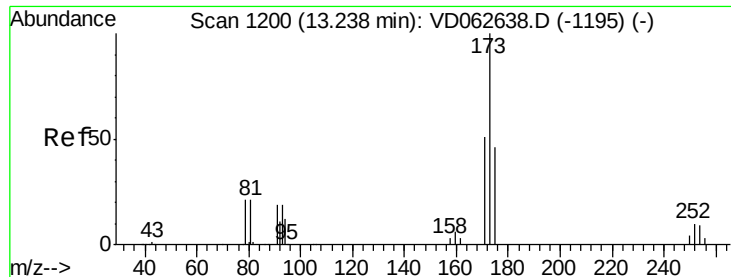
Tot Ion:106 Resp: 162219
Ion Ratio Lower Upper
106 100
91 261.8 124.1 372.1



#70
Styrene
Concen: 22.219 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion:104 Resp: 298674
Ion Ratio Lower Upper
104 100
78 54.4 45.9 68.9
103 43.4 38.4 57.6





#71

Bromoform

Concen: 24.236 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampleId :

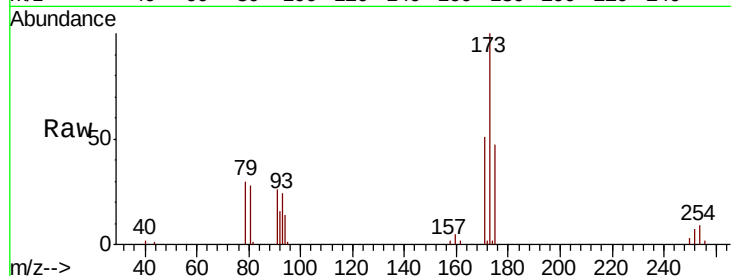
Tot Ion:173 Resp: 109252

Ion Ratio Lower Upper

173 100

175 46.6 22.9 68.7

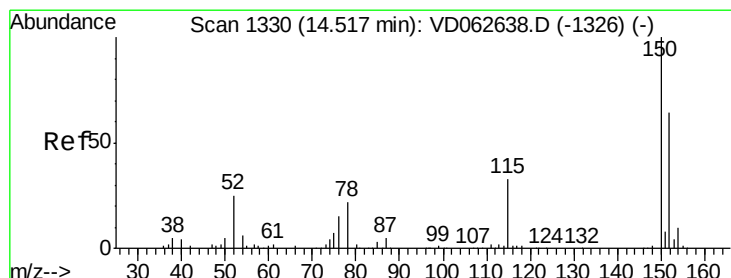
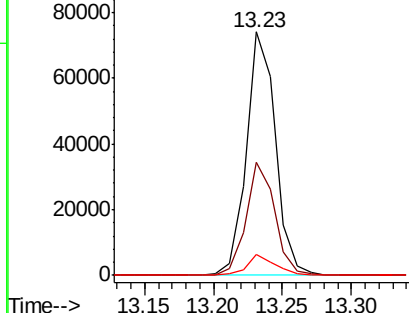
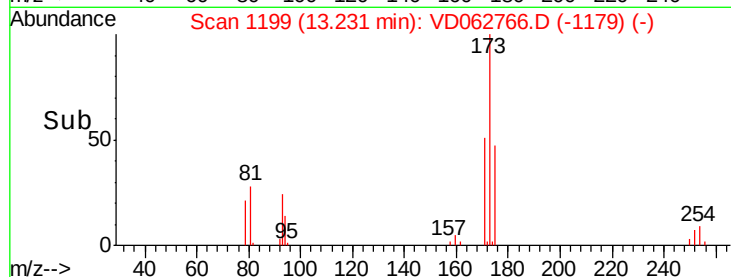
254 8.7 7.0 10.4



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

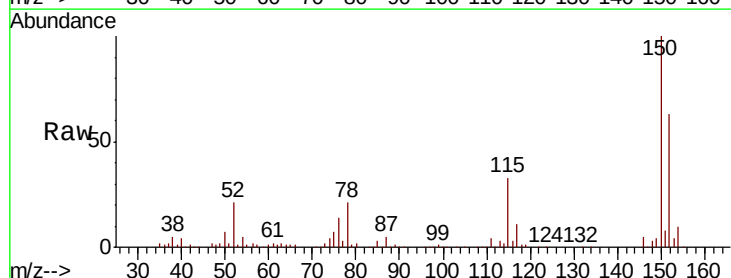
Tgt Ion:152 Resp: 320378

Ion Ratio Lower Upper

152 100

115 52.3 30.1 90.5

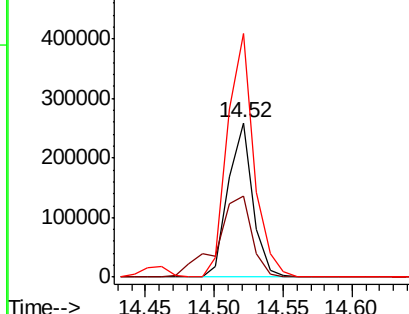
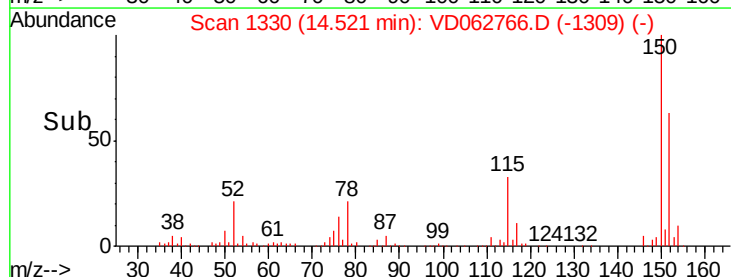
150 157.9 0.0 314.0

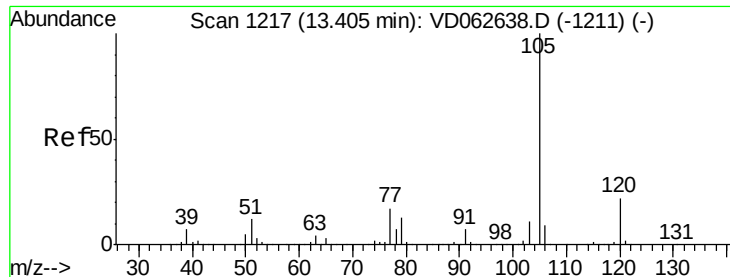


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.720 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

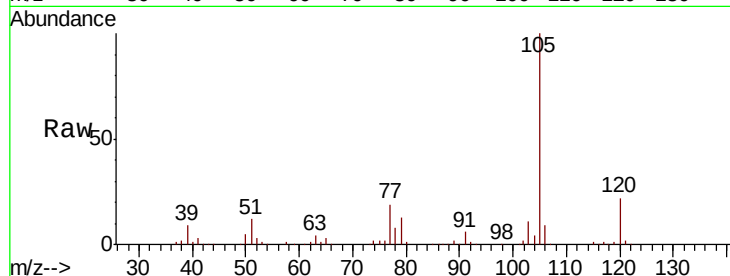
ClientSampleId :

Tot Ion:105 Resp: 535640

Ion Ratio Lower Upper

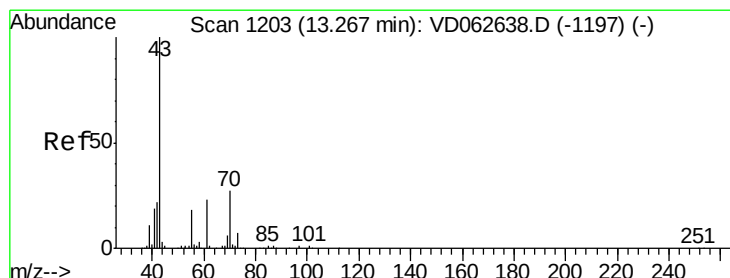
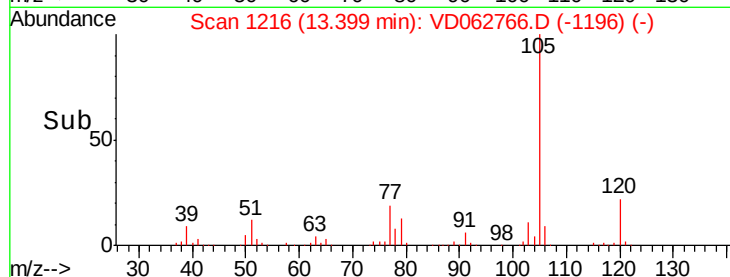
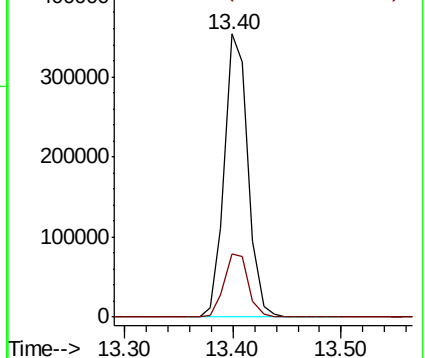
105 100

120 22.4 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.712 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Tgt Ion: 43 Resp: 132509

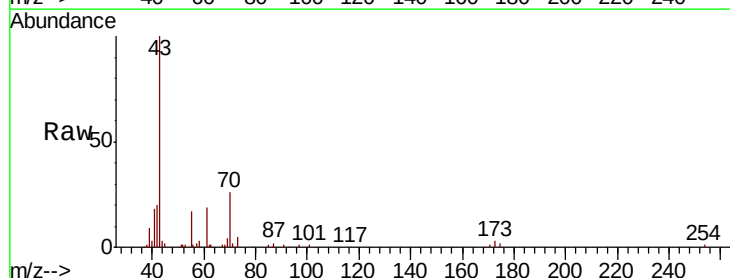
Ion Ratio Lower Upper

43 100

70 26.5 21.8 32.8

55 17.4 14.6 21.8

61 19.3 18.4 27.6

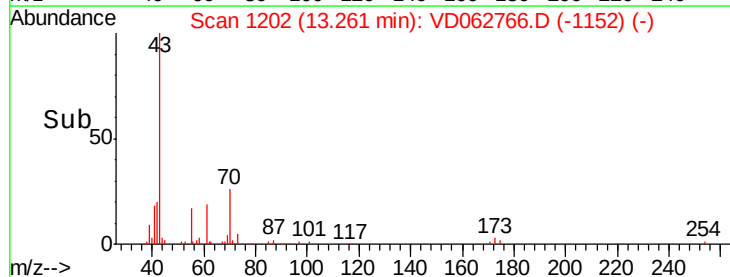
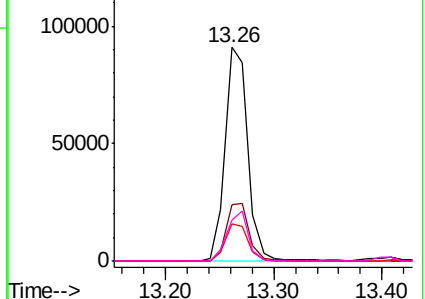


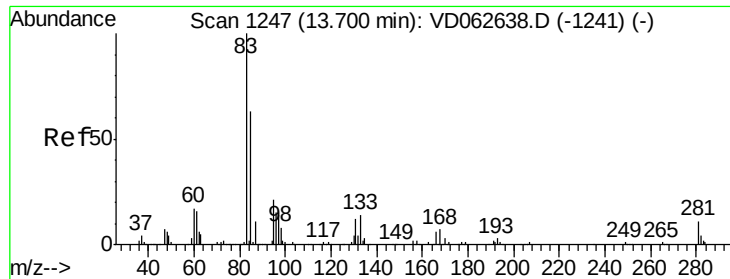
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 24.888 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampleId :

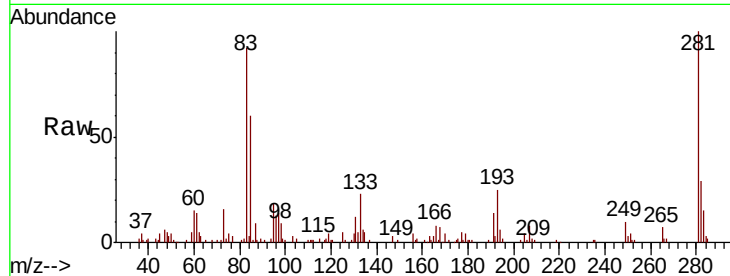
Tot Ion: 83 Resp: 96164

Ion Ratio Lower Upper

83 100

131 13.5 5.9 17.7

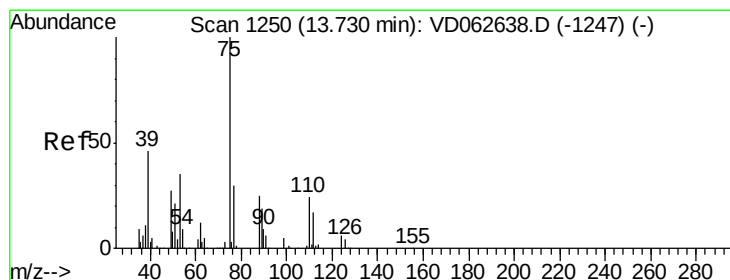
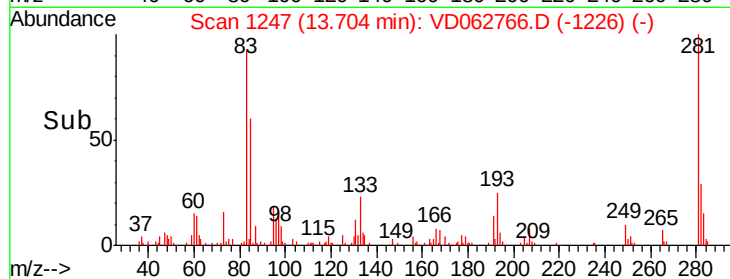
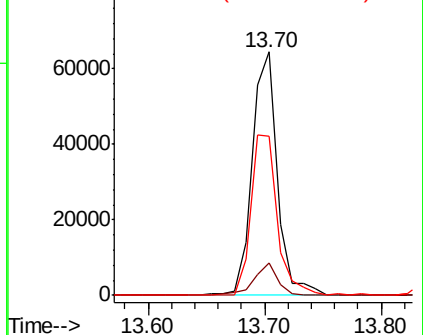
85 65.2 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 24.652 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062766.D

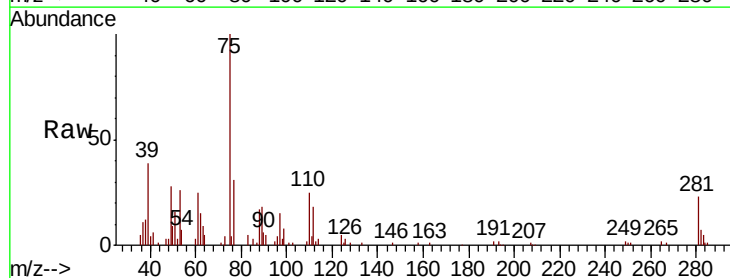
Acq: 19 Jun 2019 1:29

Tgt Ion: 75 Resp: 107089

Ion Ratio Lower Upper

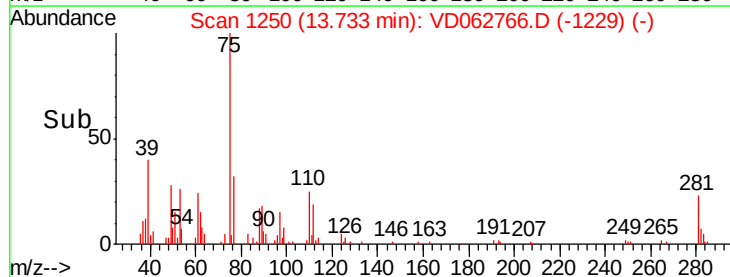
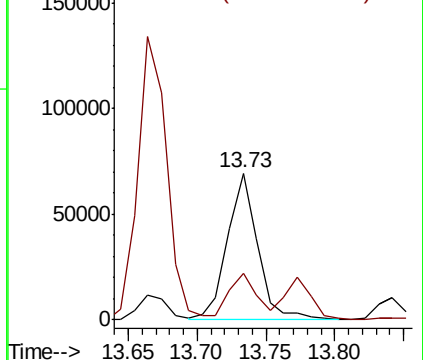
75 100

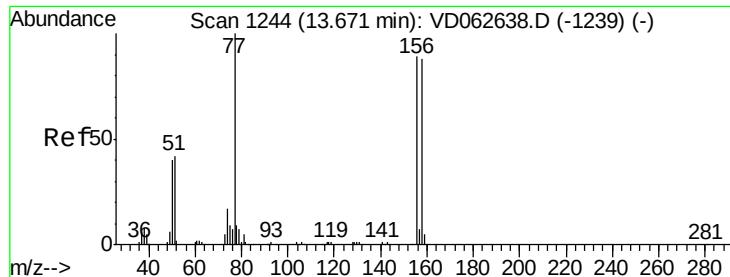
77 31.5 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 24.391 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampleId :

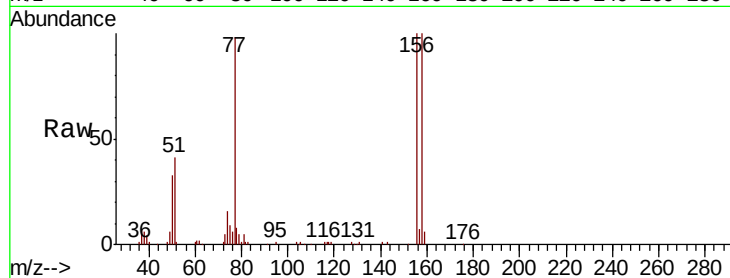
Tot Ion:156 Resp: 157428

Ion Ratio Lower Upper

156 100

77 98.6 56.3 168.8

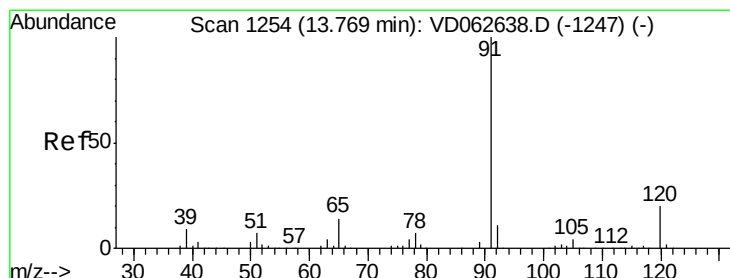
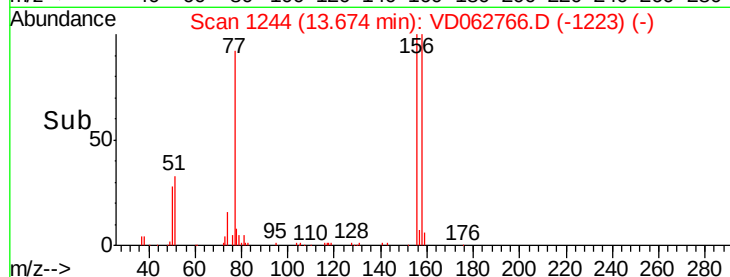
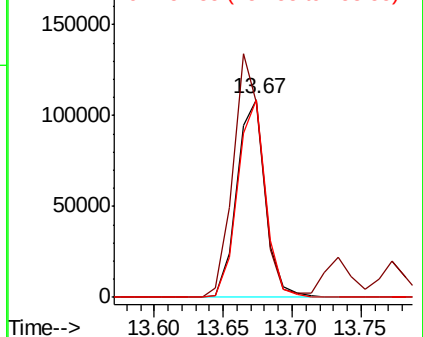
158 100.2 49.6 148.8



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: 22.398 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062766.D

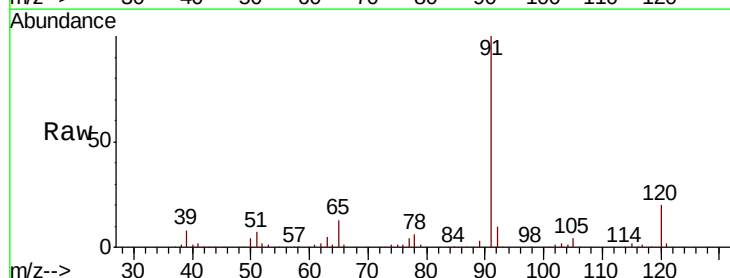
Acq: 19 Jun 2019 1:29

Tgt Ion: 91 Resp: 619107

Ion Ratio Lower Upper

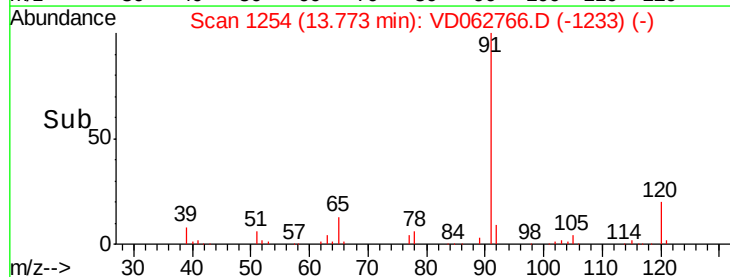
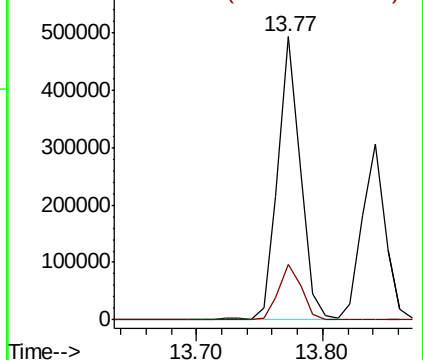
91 100

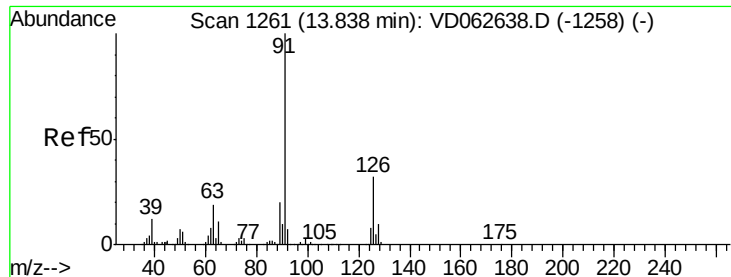
120 19.8 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

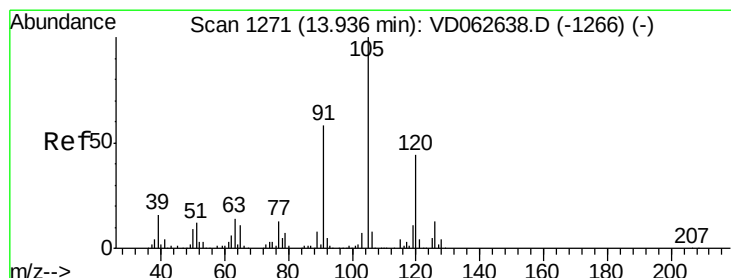
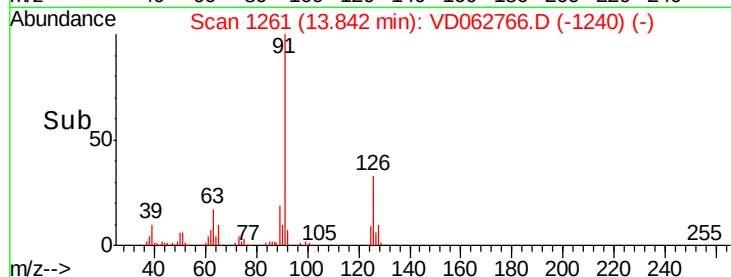
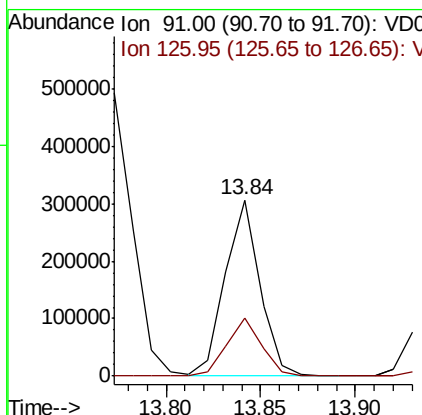
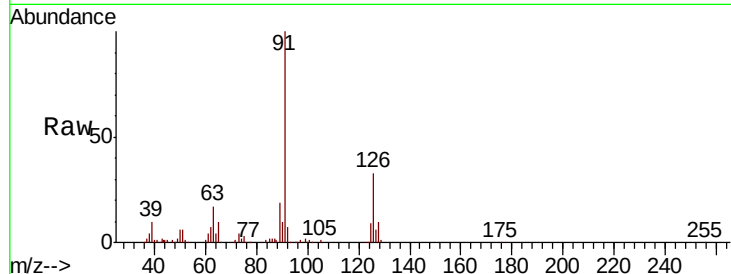




#79
 2-Chlorotoluene
 Concen: 24.056 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

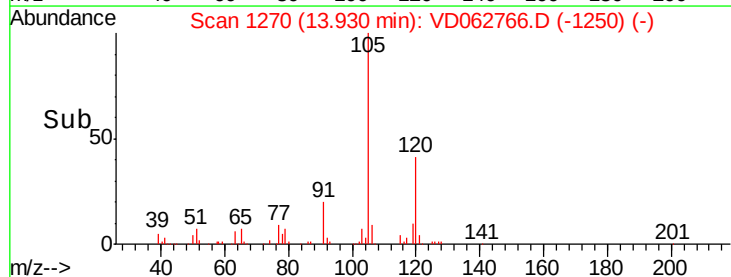
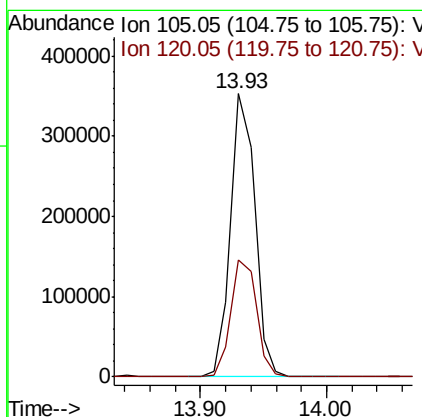
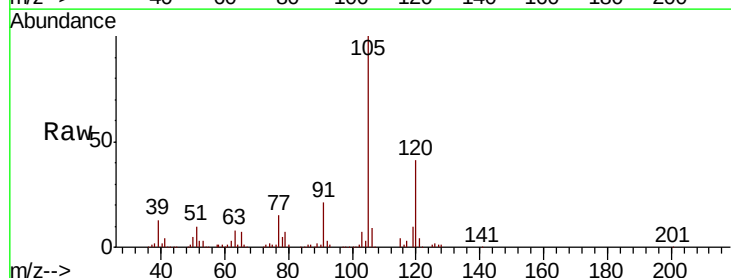
Instrument :
 MSVOA_D
 ClientSampled :

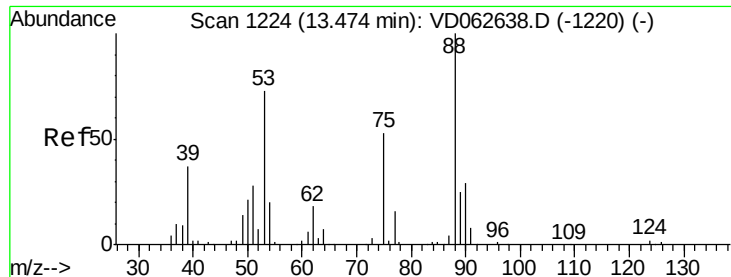
Tot Ion: 91 Resp: 389342
 Ion Ratio Lower Upper
 91 100
 126 33.0 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 23.523 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion: 105 Resp: 469464
 Ion Ratio Lower Upper
 105 100
 120 41.2 22.1 66.5

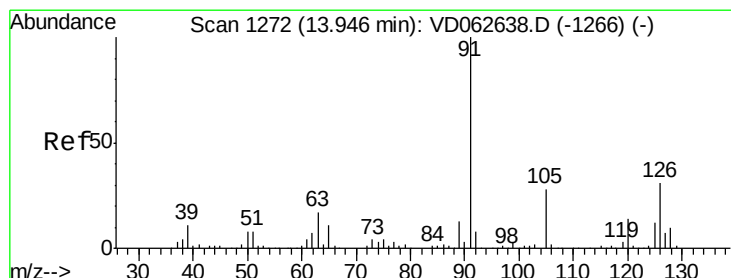
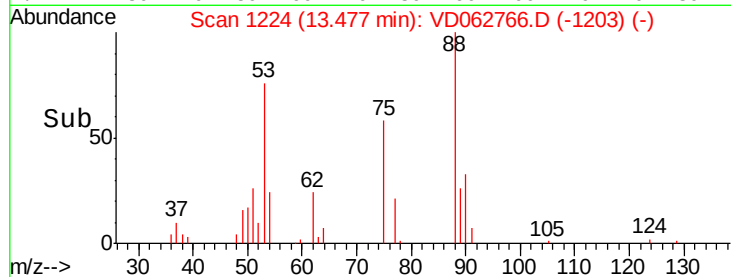
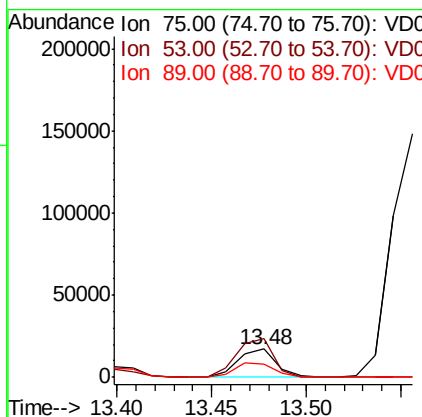
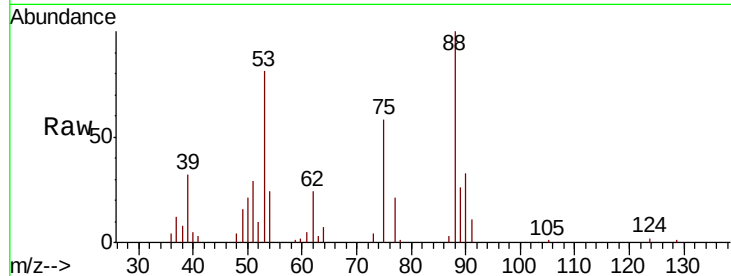




#81
trans-1,4-Dichloro-2-butene
Concen: 21.080 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

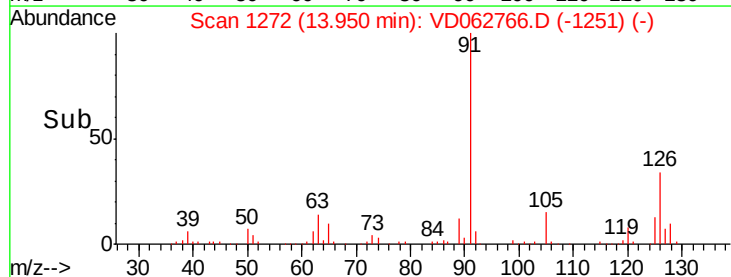
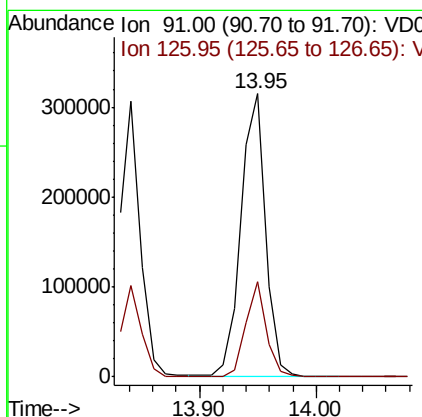
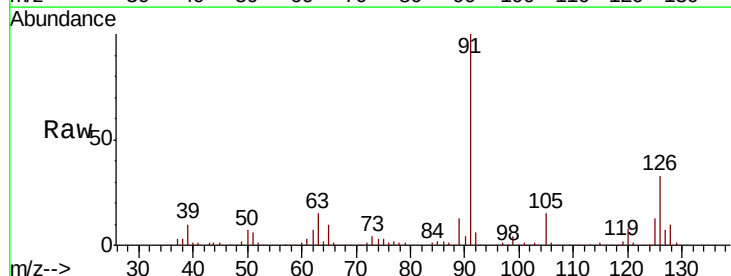
Instrument :
MSVOA_D
ClientSampleId :

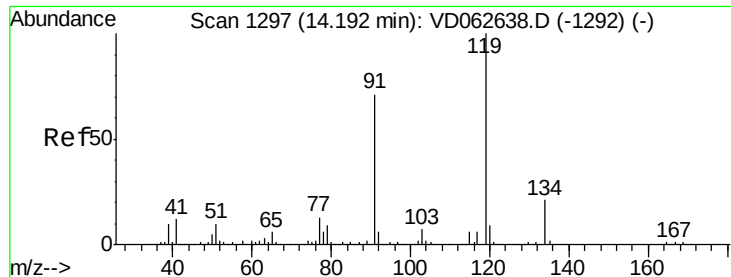
Tot Ion: 75 Resp: 24010
Ion Ratio Lower Upper
75 100
53 140.4 109.4 164.2
89 45.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 23.806 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion: 91 Resp: 460762
Ion Ratio Lower Upper
91 100
126 33.4 15.6 46.8

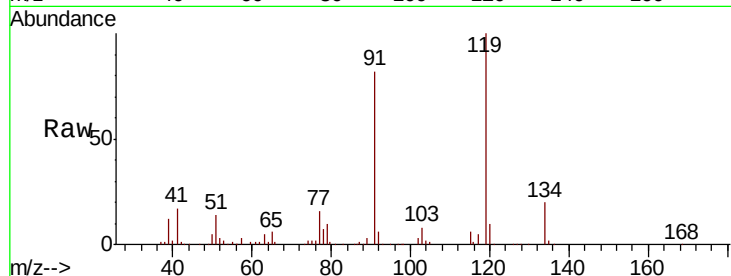




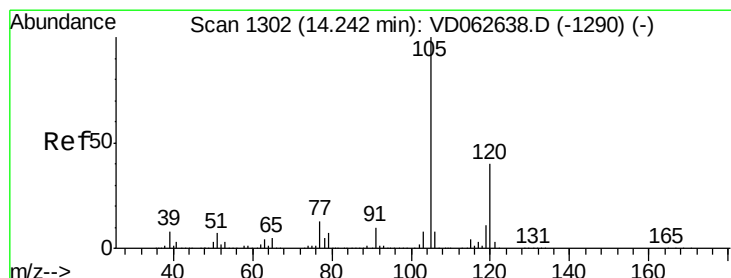
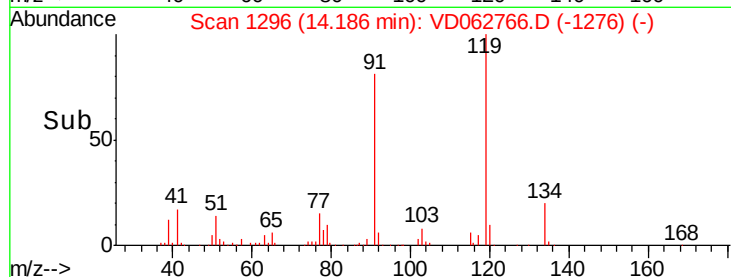
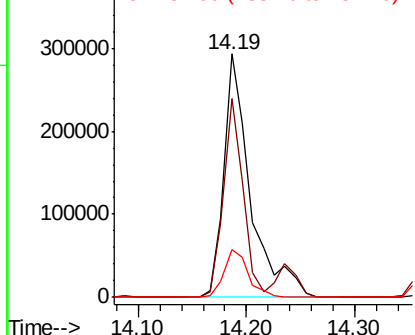
#83
 tert-Butylbenzene
 Concen: 22.753 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 500843
 Ion Ratio Lower Upper
 119 100
 91 81.5 35.4 106.1
 134 19.5 10.8 32.3

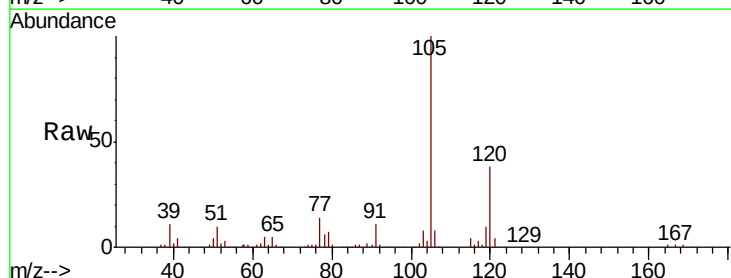


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

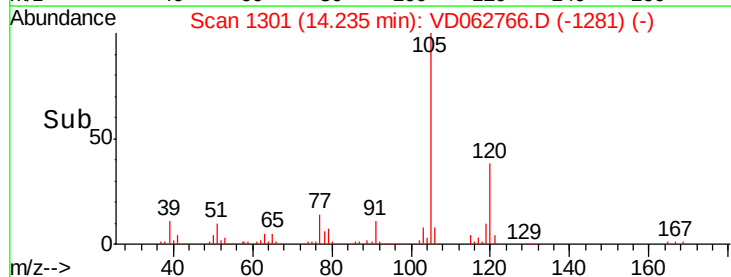
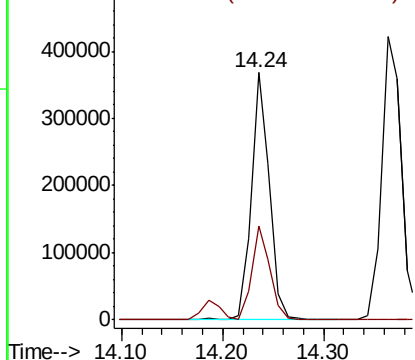


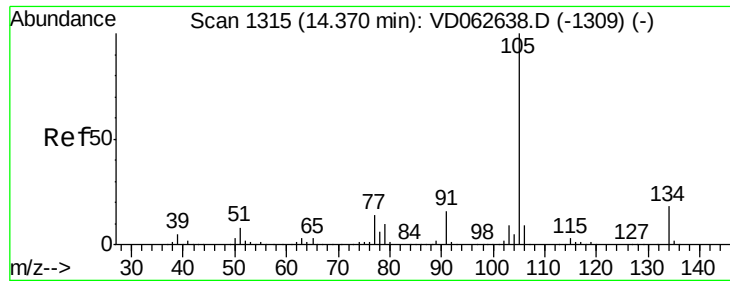
#84
 1,2,4-Trimethylbenzene
 Concen: 23.375 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion:105 Resp: 461892
 Ion Ratio Lower Upper
 105 100
 120 38.1 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

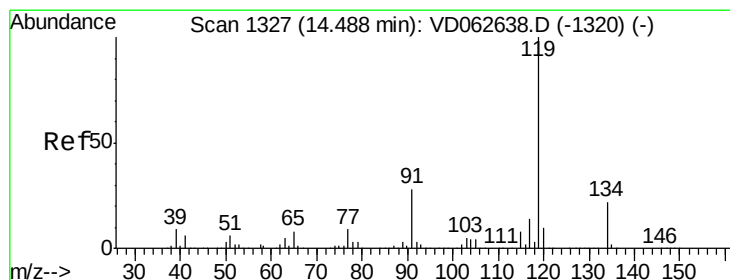
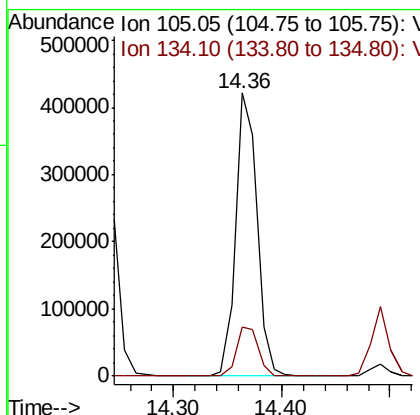
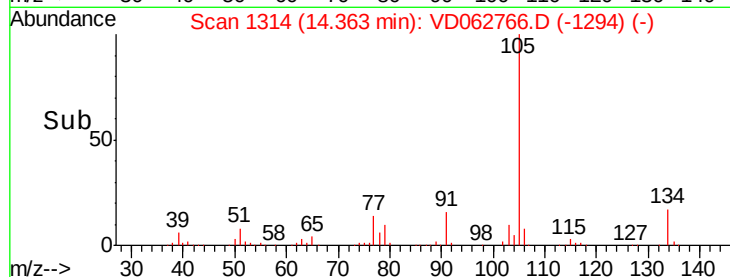
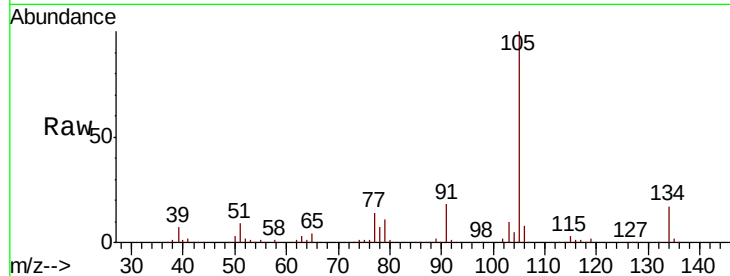




#85
 sec-Butylbenzene
 Concen: 25.138 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

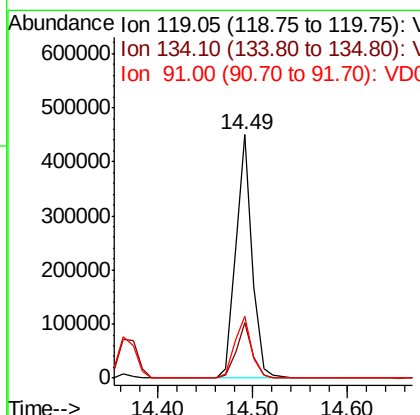
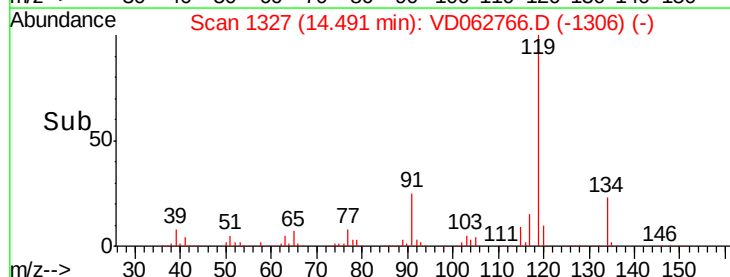
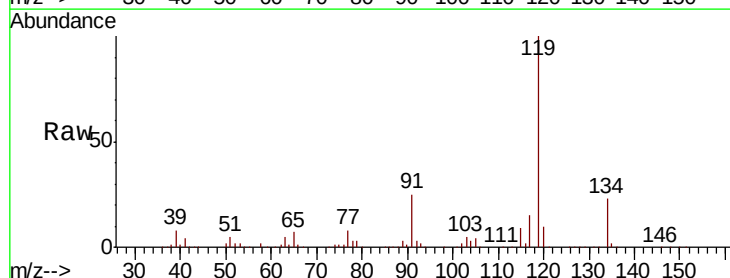
Instrument :
 MSVOA_D
 ClientSampleID :

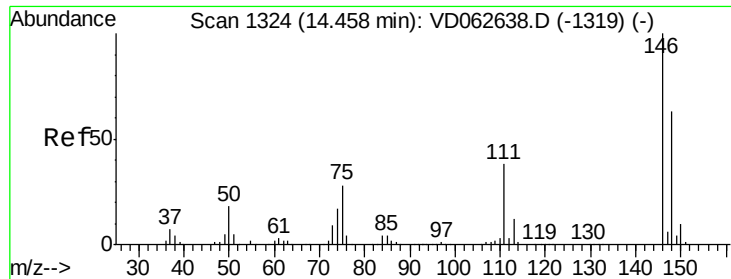
Tot Ion:105 Resp: 580239
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 23.876 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion:119 Resp: 536565
 Ion Ratio Lower Upper
 119 100
 134 23.0 10.9 32.6
 91 25.4 13.9 41.6

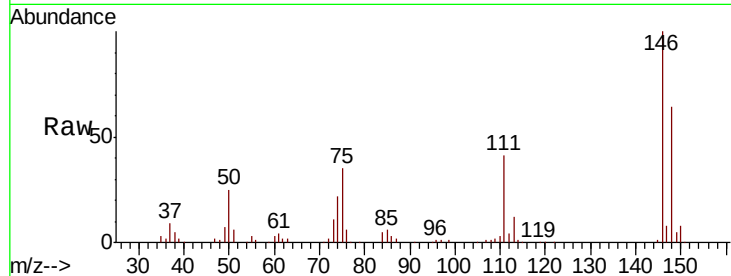




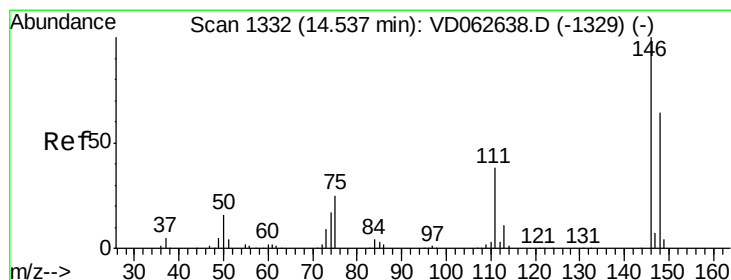
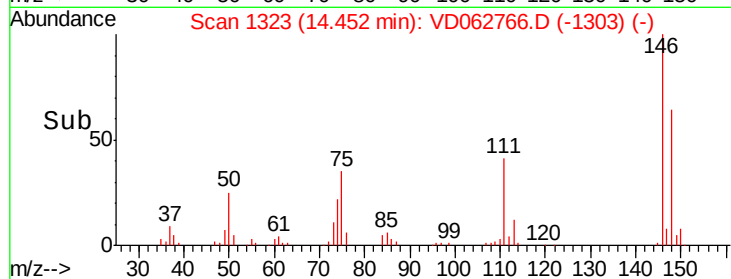
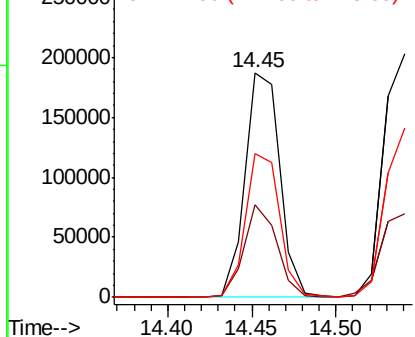
#87
 1,3-Dichlorobenzene
 Concen: 23.095 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 270039
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.2 57.6
 148 63.8 31.6 95.0

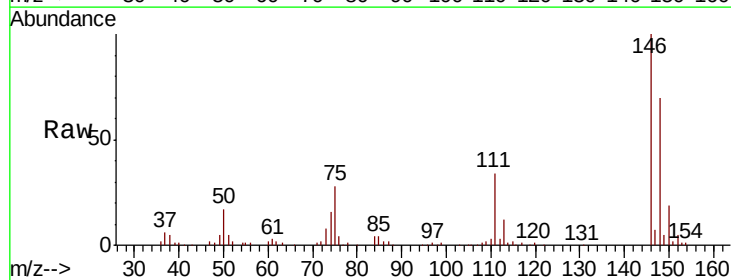


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

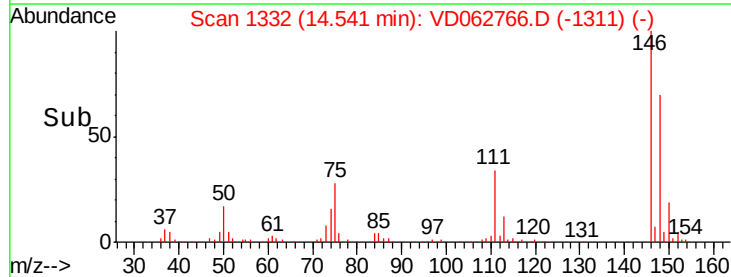
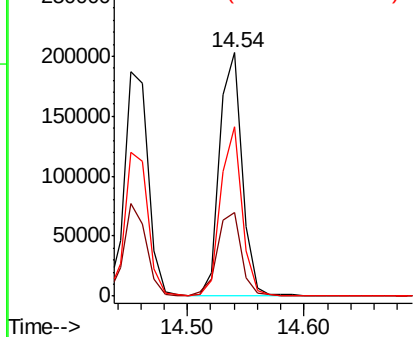


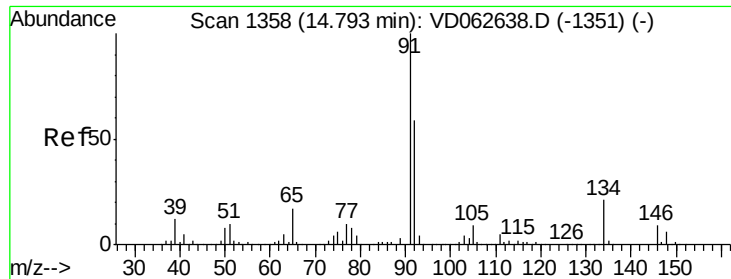
#88
 1,4-Dichlorobenzene
 Concen: 24.702 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion:146 Resp: 272966
 Ion Ratio Lower Upper
 146 100
 111 34.2 18.9 56.7
 148 69.7 32.3 96.8



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





#89

n-Butylbenzene

Concen: 23.395 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062766.D

Acq: 19 Jun 2019 1:29

Instrument :

MSVOA_D

ClientSampled :

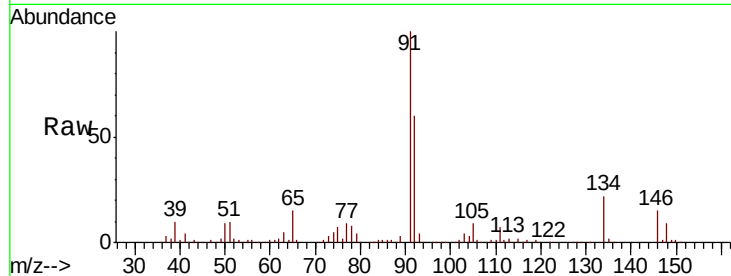
Tot Ion: 91 Resp: 472994

Ion Ratio Lower Upper

91 100

92 60.3 29.4 88.3

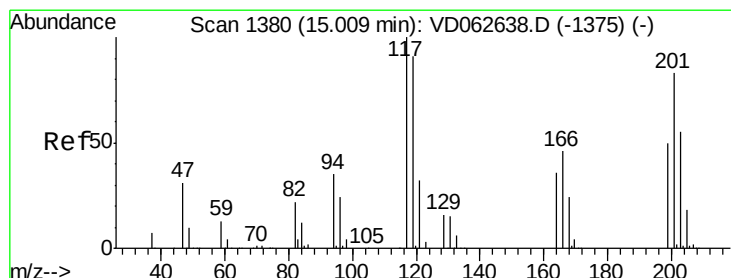
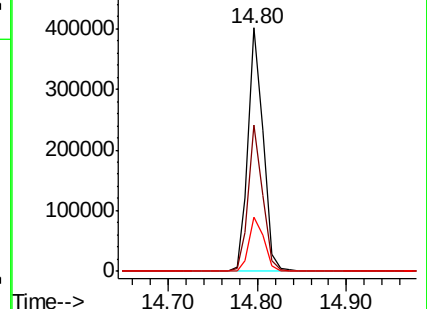
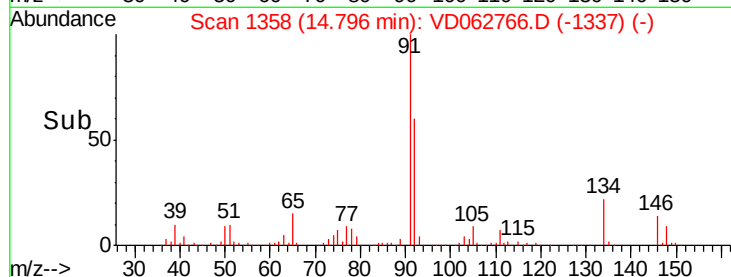
134 22.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 24.372 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062766.D

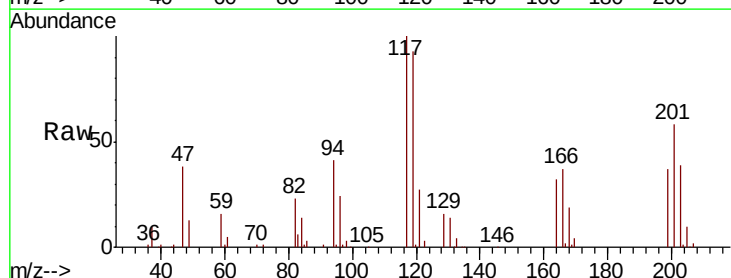
Acq: 19 Jun 2019 1:29

Tgt Ion: 117 Resp: 144597

Ion Ratio Lower Upper

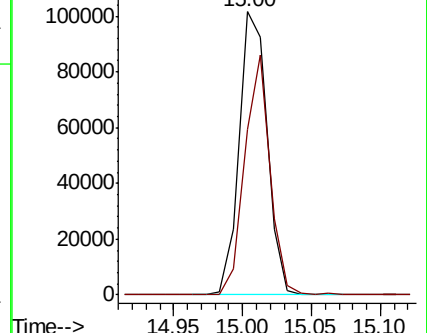
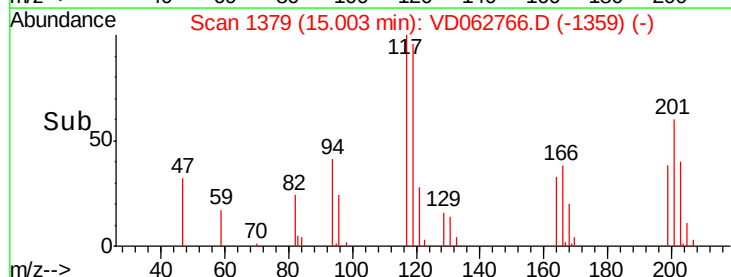
117 100

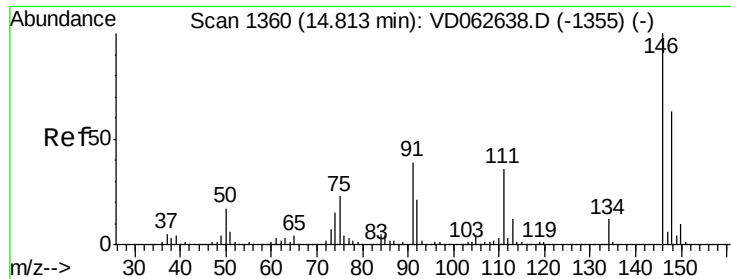
201 58.5 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

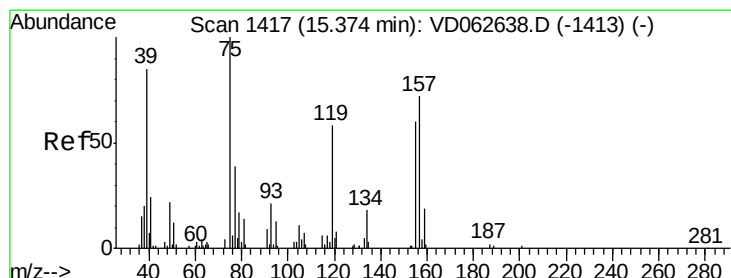
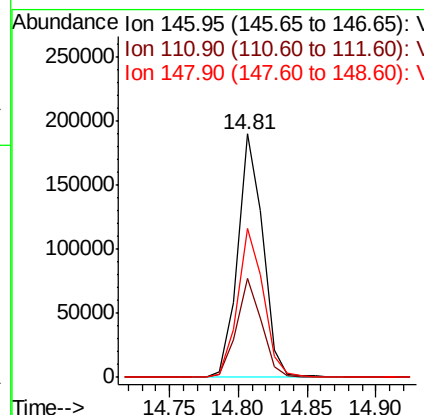
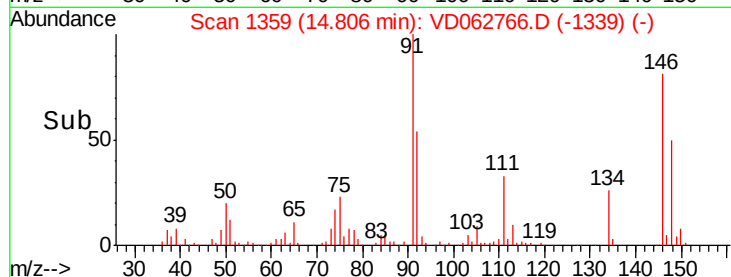
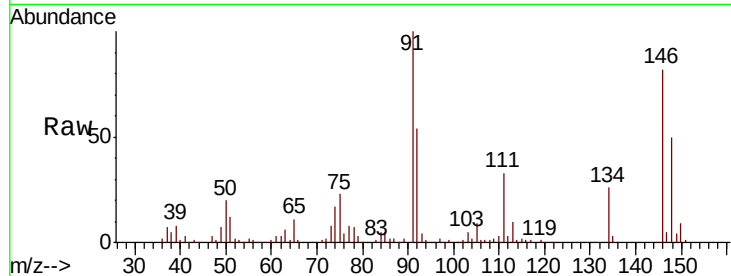




#91
 1,2-Dichlorobenzene
 Concen: 24.909 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

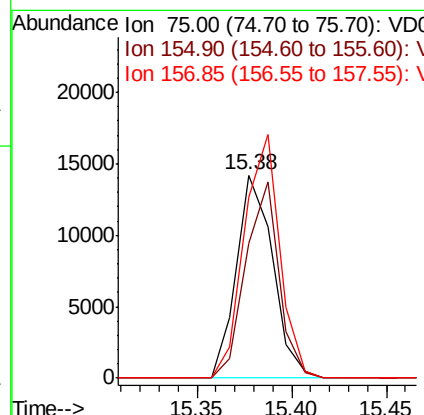
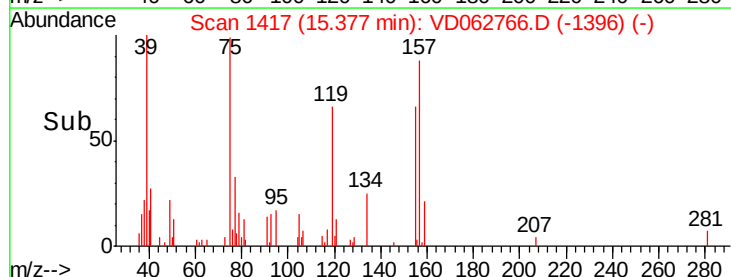
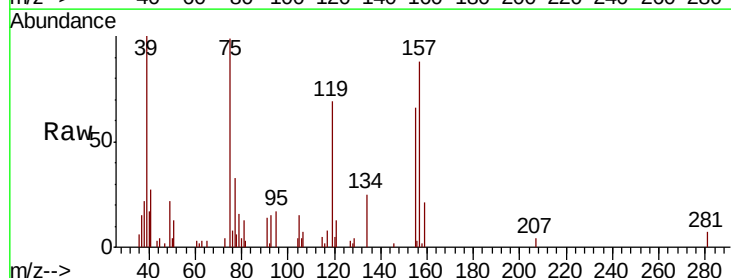
Instrument :
 MSVOA_D
 ClientSampleId :

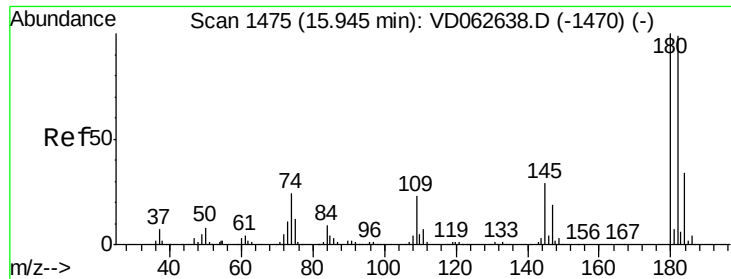
Tot Ion:146 Resp: 242102
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.1 54.3
 148 61.1 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.803 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion: 75 Resp: 18820
 Ion Ratio Lower Upper
 75 100
 155 66.2 30.1 90.5
 157 88.9 35.9 107.8

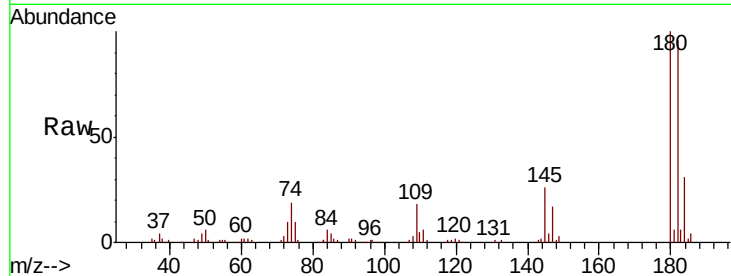




#93
 1,2,4-Trichlorobenzene
 Concen: 24.872 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	49.4	148.2
145	25.8	14.5	43.6

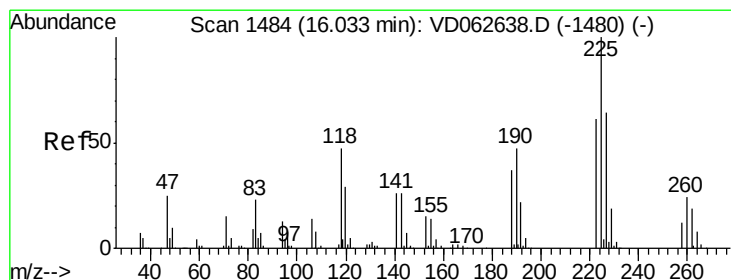
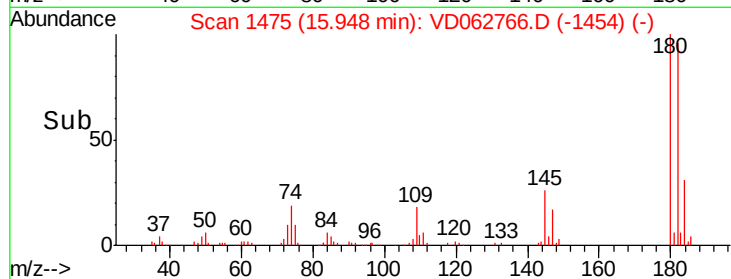
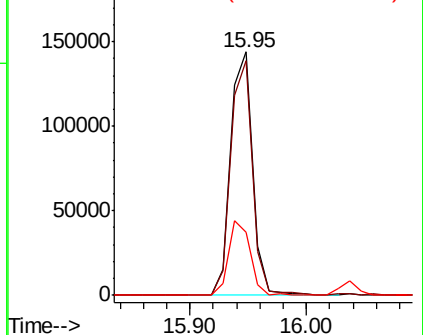


Abundance

Ion 179.85 (179.55 to 180.55): V

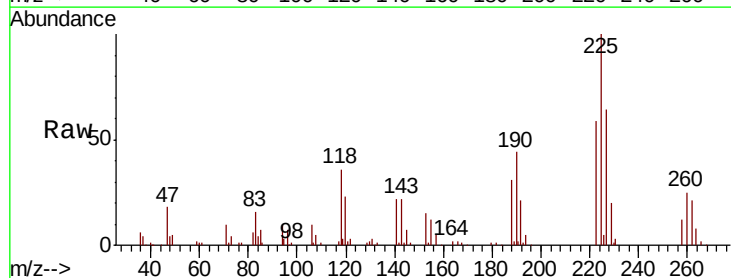
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 24.415 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062766.D
 Acq: 19 Jun 2019 1:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	30.3	91.0
227	64.3	31.8	95.4

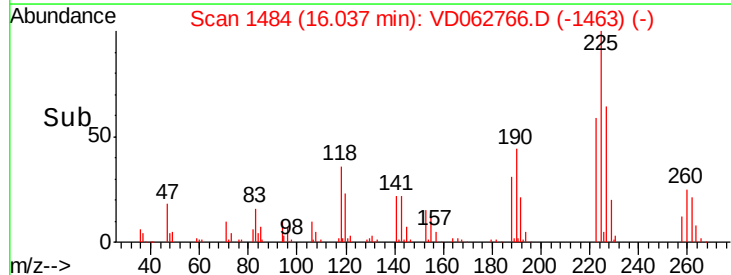
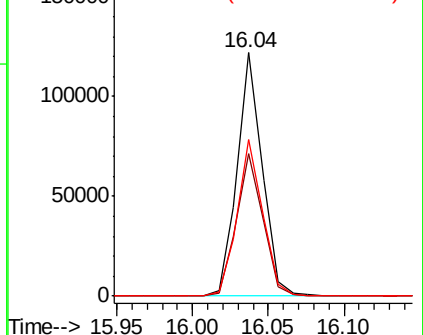


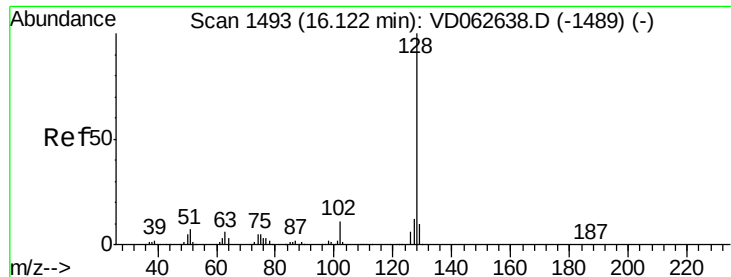
Abundance

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

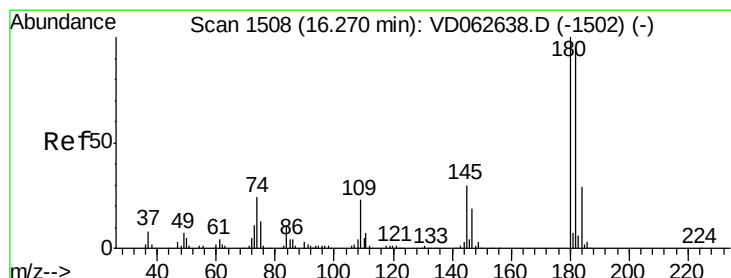
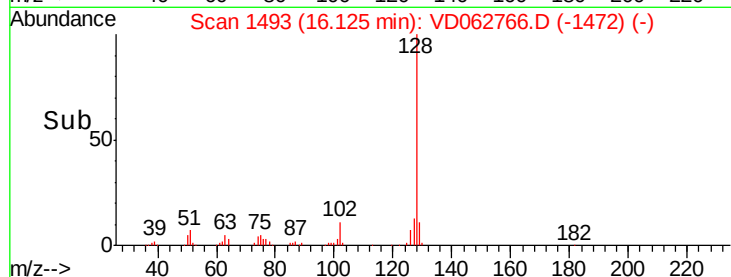
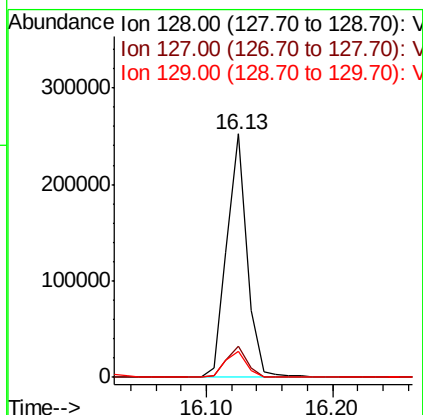
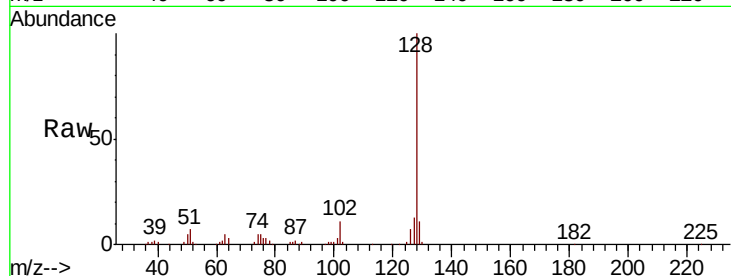




#95
Naphthalene
Concen: 25.831 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 279456
Ion Ratio Lower Upper
128 100
127 12.9 9.7 14.5
129 10.7 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 27.293 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062766.D
Acq: 19 Jun 2019 1:29

Tgt Ion:180 Resp: 152795
Ion Ratio Lower Upper
180 100
182 101.8 47.7 143.1
145 29.0 15.0 45.0

