

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062636.D
 Acq On : 7 Jun 2019 11:20
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 07 23:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	716751	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	972434	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	780949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	455428	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	99173	9.51	ug/l	0.00
Spiked Amount			Recovery	=	19.02%	
35) Dibromofluoromethane	6.92	113	92094	8.98	ug/l	0.00
Spiked Amount			Recovery	=	17.96%	
50) Toluene-d8	10.41	98	191116	8.75	ug/l	0.00
Spiked Amount			Recovery	=	17.50%	
62) 4-Bromofluorobenzene	13.56	95	87827	8.48	ug/l	0.00
Spiked Amount			Recovery	=	16.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	92359	10.012	ug/l	93
3) Chloromethane	1.76	50	75385	10.434	ug/l	98
4) Vinyl Chloride	1.85	62	69366	9.503	ug/l	99
5) Bromomethane	2.16	94	41929	11.451	ug/l	98
6) Chloroethane	2.28	64	34536	9.157	ug/l #	89
7) Trichlorofluoromethane	2.53	101	165547	9.979	ug/l	96
8) Diethyl Ether	2.88	74	22568	9.975	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	81135	8.819	ug/l	91
10) Methyl Iodide	3.30	142	101224	8.630	ug/l	94
11) Tert butyl alcohol	4.07	59	19583	43.264	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	56679	8.841	ug/l #	95
13) Acrolein	3.04	56	6687	53.455	ug/l #	79
14) Allyl chloride	3.62	41	87764	8.905	ug/l	98
15) Acrylonitrile	4.20	53	44193	45.097	ug/l #	88
16) Acetone	3.22	43	80386	41.482	ug/l	94
17) Carbon Disulfide	3.37	76	168344	8.788	ug/l #	92
18) Methyl Acetate	3.65	43	31107	9.864	ug/l #	87
19) Methyl tert-butyl Ether	4.25	73	138740	8.776	ug/l	97
20) Methylene Chloride	3.81	84	74575	10.319	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	66237	9.224	ug/l	91
22) Diisopropyl ether	5.12	45	178606	8.854	ug/l #	98
23) Vinyl Acetate	5.06	43	541653	42.553	ug/l	97
24) 1,1-Dichloroethane	4.98	63	120008	9.010	ug/l	100
25) 2-Butanone	6.08	43	81106	42.940	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	148227	9.619	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	68372	8.948	ug/l	93
28) Bromochloromethane	6.44	49	47060	9.867	ug/l	95
29) Tetrahydrofuran	6.46	42	37388	43.987	ug/l	97
30) Chloroform	6.67	83	158818	9.263	ug/l	93
31) Cyclohexane	6.95	56	72585	8.891	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	153013	8.824	ug/l	97
36) 1,1-Dichloropropene	7.15	75	103331	8.922	ug/l	99
37) Ethyl Acetate	6.19	43	44820	8.877	ug/l #	74
38) Carbon Tetrachloride	7.11	117	166396	9.102	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	79285	8.602	ug/l #	94
40) Benzene	7.46	78	199225	9.030	ug/l	91
41) Methacrylonitrile	6.45	41	54913	9.075	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	120816	9.131	ug/l	95
43) Isopropyl Acetate	9.25	43	50193	8.466	ug/l #	97
44) Trichloroethene	8.54	130	76758	8.429	ug/l	97
45) 1,2-Dichloropropane	8.94	63	48615	9.083	ug/l	92
46) Dibromomethane	9.06	93	40632	8.477	ug/l #	73
47) Bromodichloromethane	9.37	83	115763	8.896	ug/l #	85
48) Methyl methacrylate	9.12	41	41567	9.418	ug/l	98
49) 1,4-Dioxane	9.07	88	5500	157.750	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	185322	44.022	ug/l	97
52) Toluene	10.51	92	128823	8.533	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	92532	8.638	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	97759	8.820	ug/l	87
55) 1,1,2-Trichloroethane	11.19	97	45189	8.959	ug/l	96
56) Ethyl methacrylate	11.04	69	46524	8.438	ug/l	96
57) 1,3-Dichloropropane	11.40	76	70136	8.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	127134	45.879	ug/l	98
59) 2-Hexanone	11.53	43	128052	40.411	ug/l	98
60) Dibromochloromethane	11.69	129	88576	8.841	ug/l	97
61) 1,2-Dibromoethane	11.81	107	54052	8.836	ug/l	97
64) Tetrachloroethene	11.26	164	68054	9.179	ug/l	91
65) Chlorobenzene	12.40	112	166314	9.506	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.52	131	82488	9.840	ug/l	95
67) Ethyl Benzene	12.53	91	311974	10.030	ug/l	98
68) m/p-Xylenes	12.66	106	218009	19.977	ug/l	96
69) o-Xylene	13.05	106	91413	8.924	ug/l	95
70) Styrene	13.07	104	160688	8.798	ug/l	97
71) Bromoform	13.23	173	51911	8.909	ug/l	97
73) Isopropylbenzene	13.40	105	297666	8.976	ug/l	100
74) N-amyl acetate	13.26	43	74909	8.390	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	48061	8.566	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	52804	8.404	ug/l	95
77) Bromobenzene	13.67	156	86125	9.231	ug/l	79
78) n-propylbenzene	13.78	91	375376	9.351	ug/l	99
79) 2-Chlorotoluene	13.84	91	209691	8.953	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	254638	8.798	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	13504	8.343	ug/l	88
82) 4-Chlorotoluene	13.94	91	261068	9.265	ug/l	89
83) tert-Butylbenzene	14.19	119	284631	8.815	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	269782	9.278	ug/l	97
85) sec-Butylbenzene	14.37	105	301042	8.965	ug/l	94
86) p-Isopropyltoluene	14.49	119	289695	8.892	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	155985	9.038	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	147915	9.125	ug/l	98
89) n-Butylbenzene	14.80	91	262972	8.859	ug/l	96
90) Hexachloroethane	15.01	117	76171	8.876	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	129507	9.131	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10145	8.188	ug/l	85

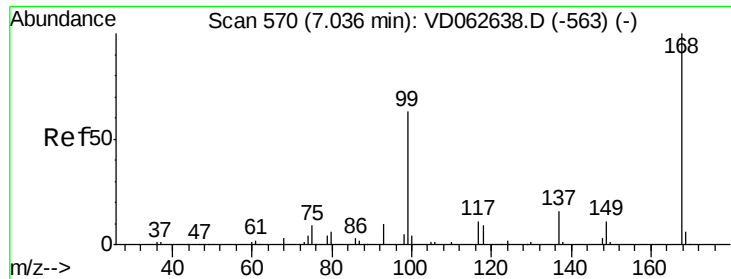
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	93898	8.726	ug/l	96
94) Hexachlorobutadiene	16.04	225	76175	8.965	ug/l	93
95) Naphthalene	16.12	128	122177	8.173	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	63840	7.831	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

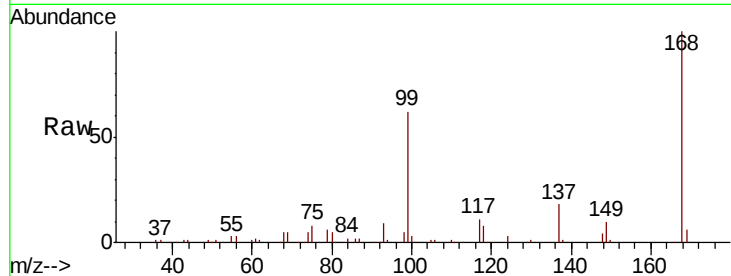
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 716751

Ion Ratio Lower Upper

168 100

99 62.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

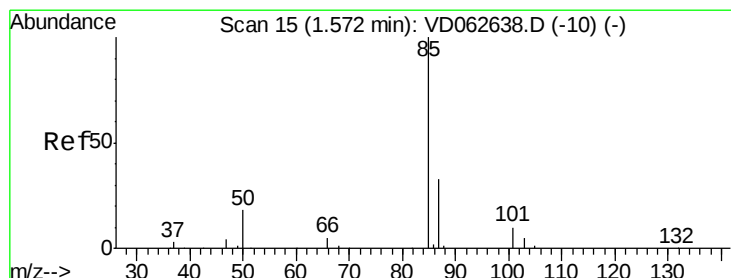
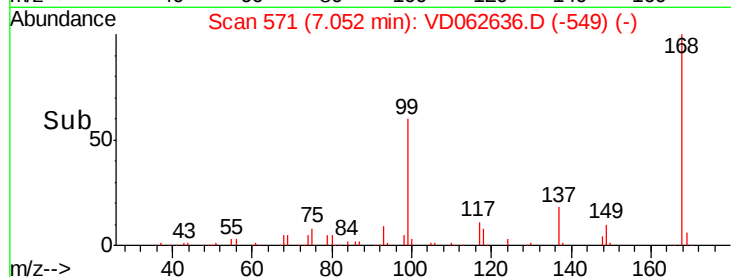
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 10.012 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062636.D

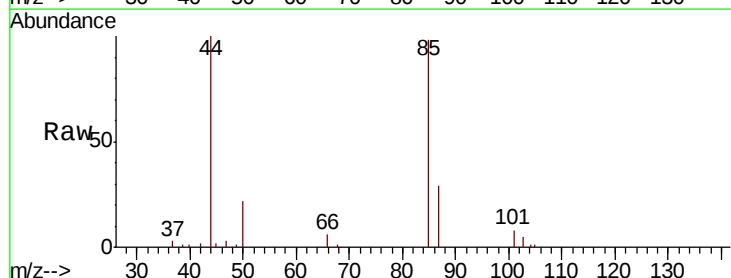
Acq: 7 Jun 2019 11:20

Tgt Ion: 85 Resp: 92359

Ion Ratio Lower Upper

85 100

87 29.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

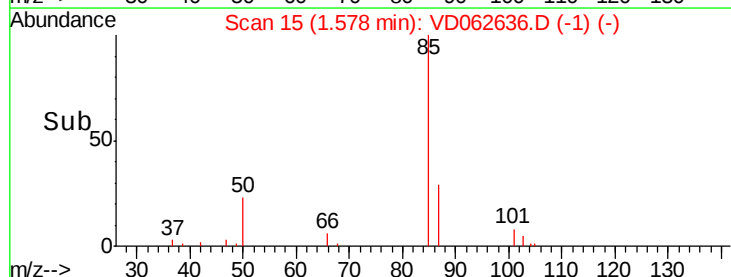
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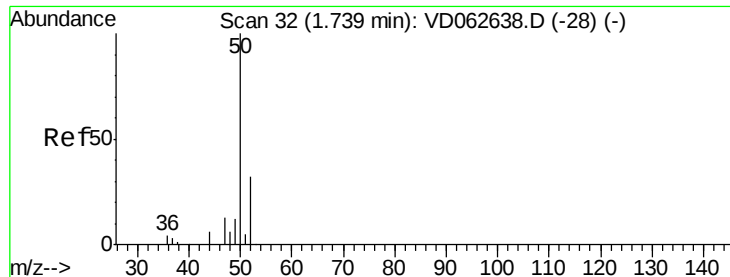
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 10.434 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

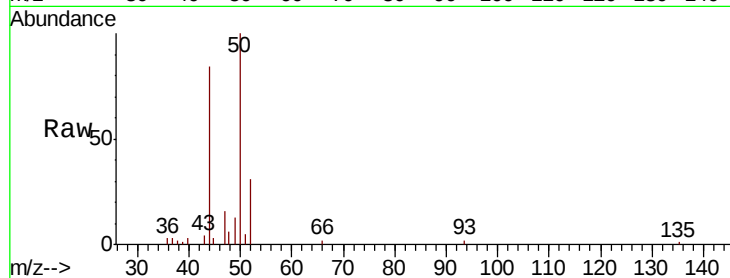
ClientSampleId :

Tot Ion: 50 Resp: 75385

Ion Ratio Lower Upper

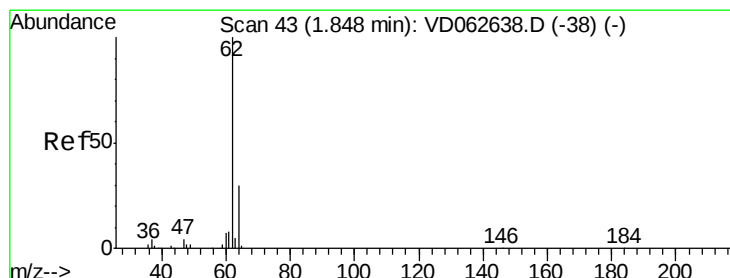
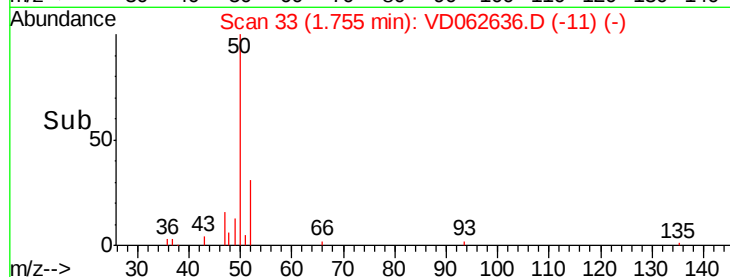
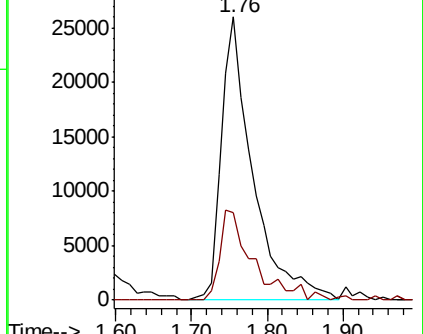
50 100

52 31.0 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: 9.503 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062636.D

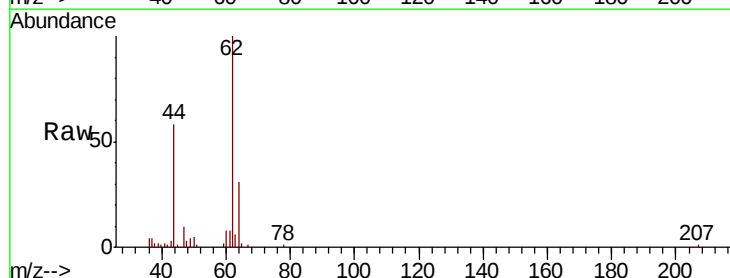
Acq: 7 Jun 2019 11:20

Tgt Ion: 62 Resp: 69366

Ion Ratio Lower Upper

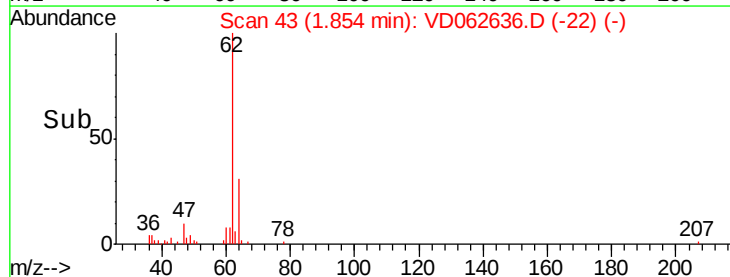
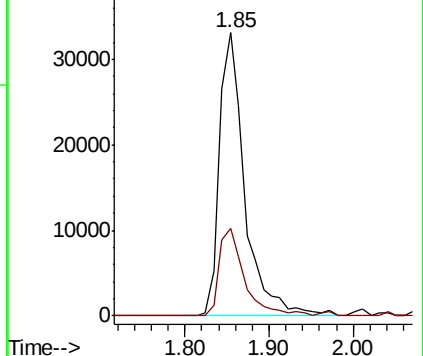
62 100

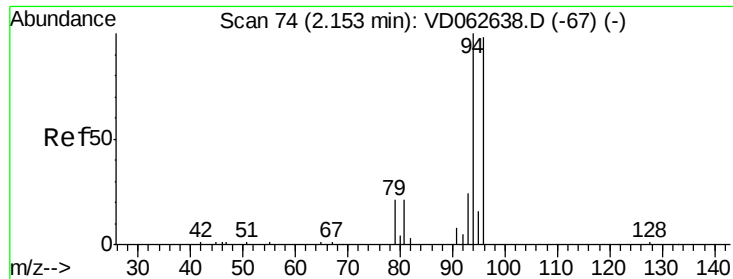
64 31.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.451 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

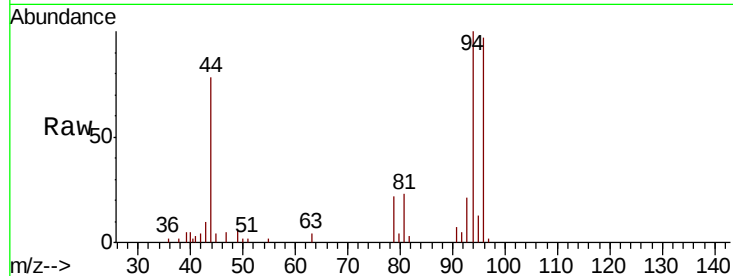
Tot Ion: 94 Resp: 41929

Ion Ratio Lower Upper

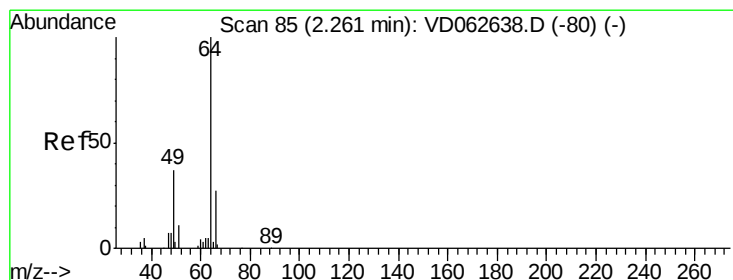
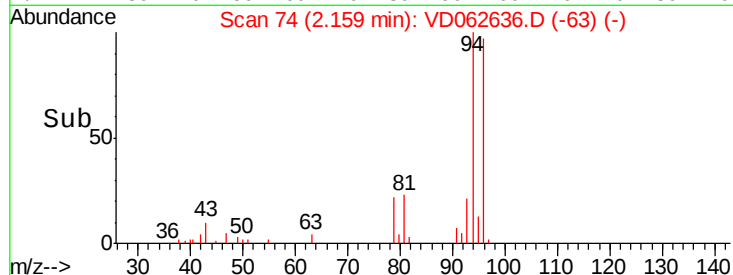
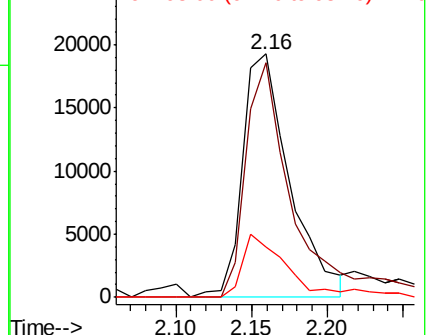
94 100

96 96.6 78.1 117.1

93 20.9 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: 9.157 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062636.D

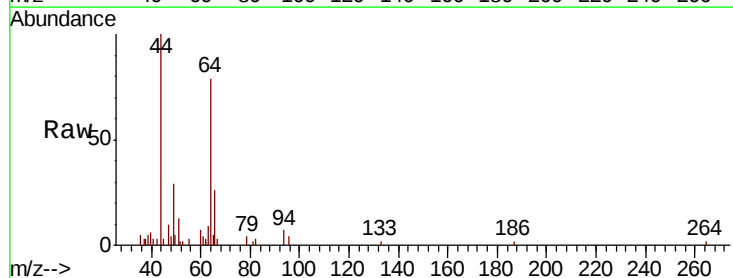
Acq: 7 Jun 2019 11:20

Tgt Ion: 64 Resp: 34536

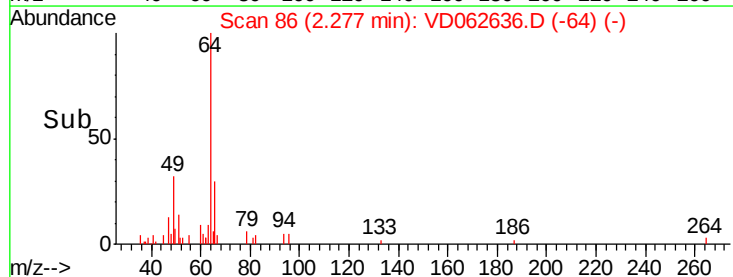
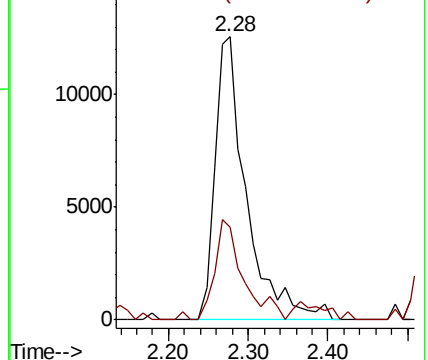
Ion Ratio Lower Upper

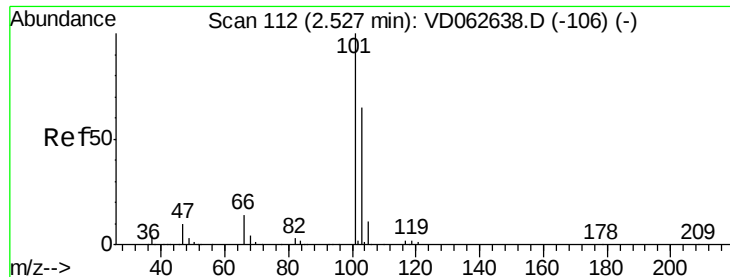
64 100

66 32.9 21.9 32.9#



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



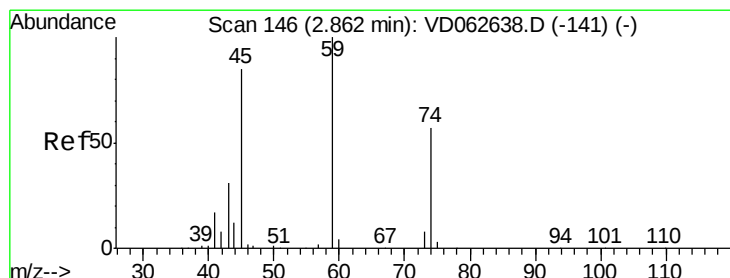
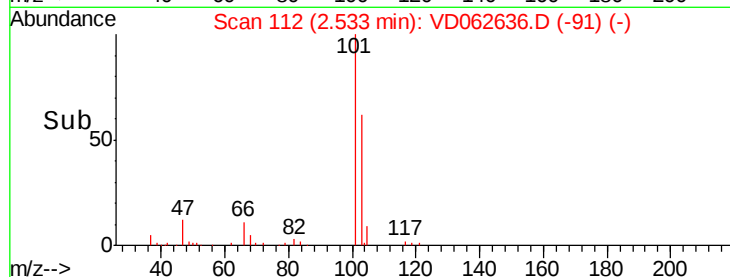
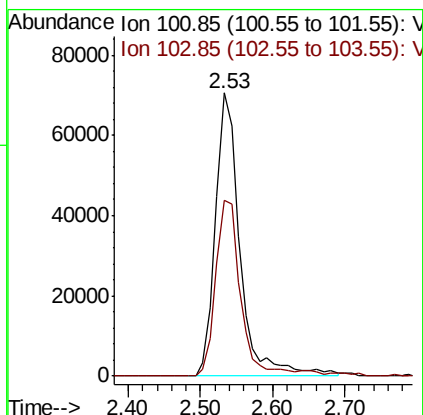
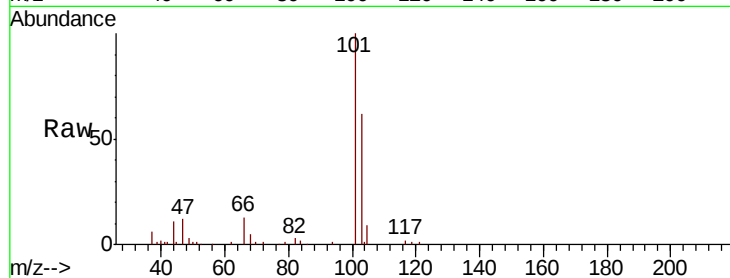


#7

Trichlorofluoromethane
Concen: 9.979 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

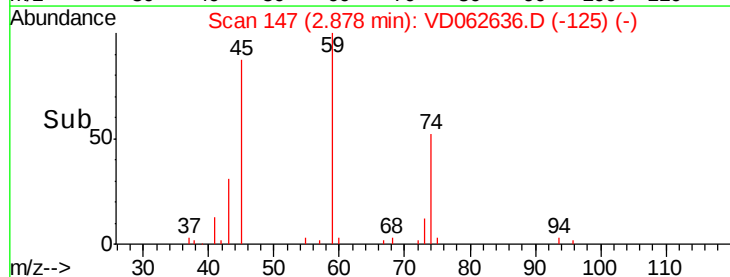
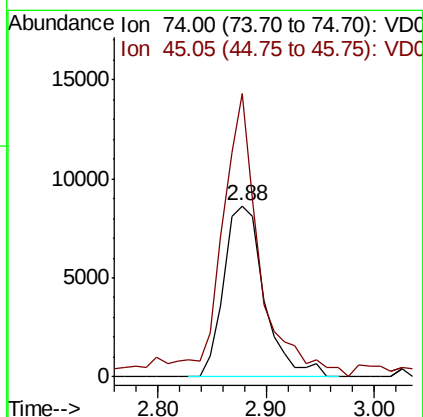
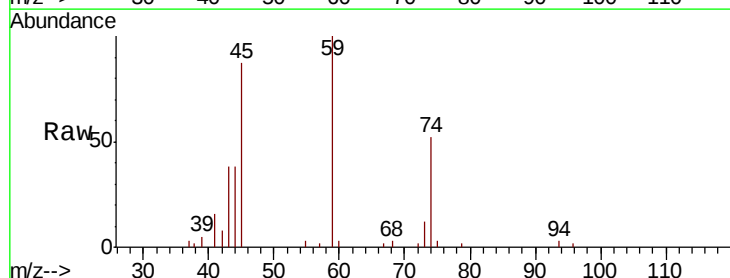
Tot Ion:101 Resp: 165547
Ion Ratio Lower Upper
101 100
103 62.3 52.2 78.2

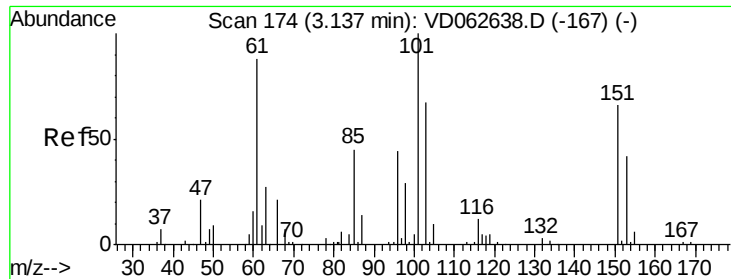


#8

Diethyl Ether
Concen: 9.975 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 74 Resp: 22568
Ion Ratio Lower Upper
74 100
45 165.3 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.819 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.02 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

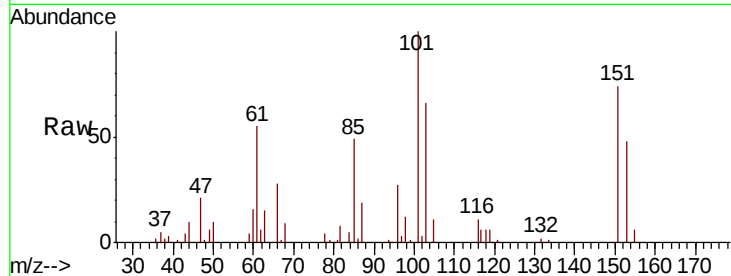
Tot Ion:101 Resp: 81135

Ion Ratio Lower Upper

101 100

85 49.1 36.0 54.0

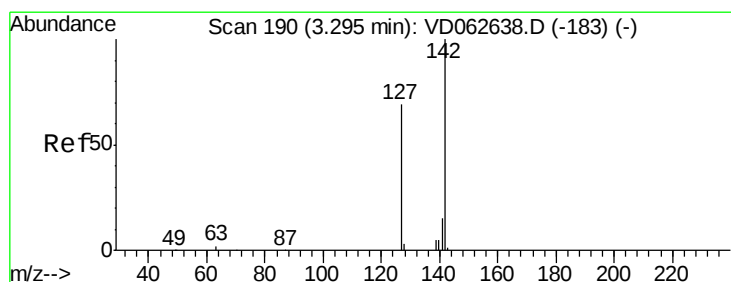
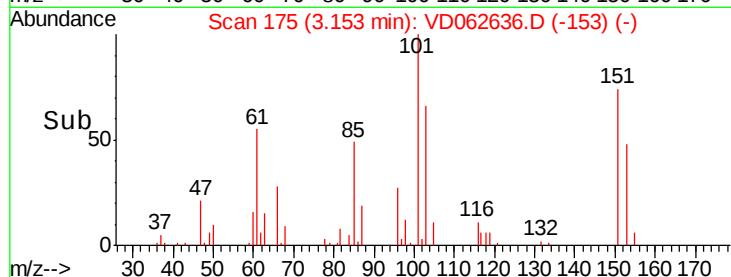
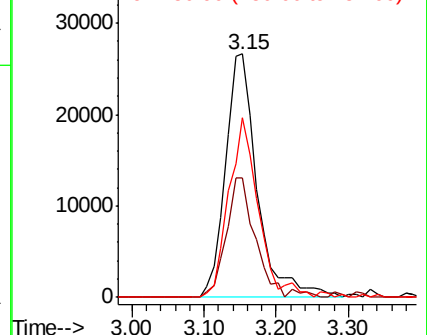
151 73.9 52.6 79.0



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: 8.630 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

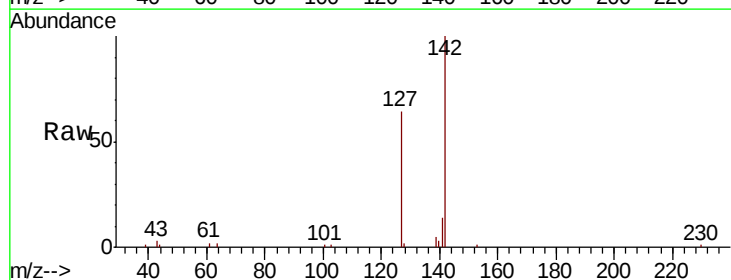
Tgt Ion:142 Resp: 101224

Ion Ratio Lower Upper

142 100

127 63.7 55.2 82.8

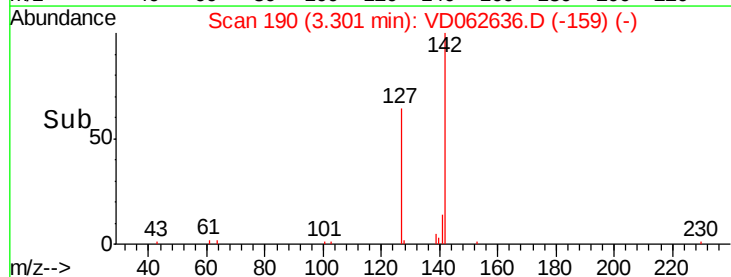
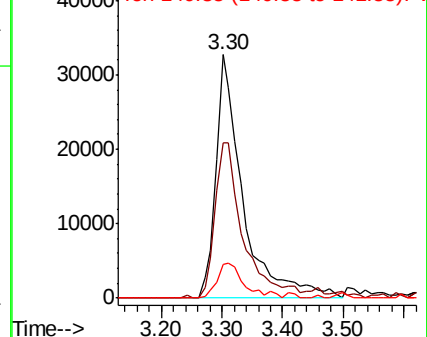
141 13.6 12.1 18.1

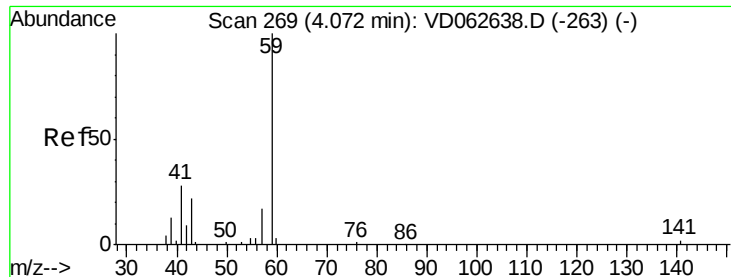


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

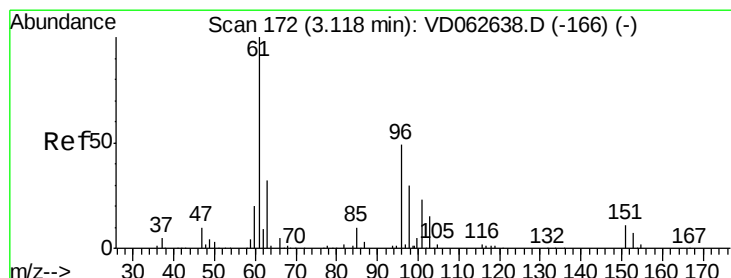
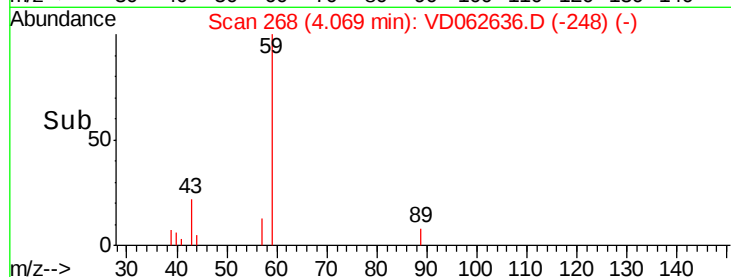
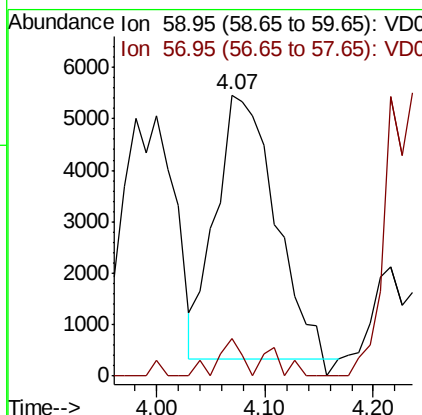
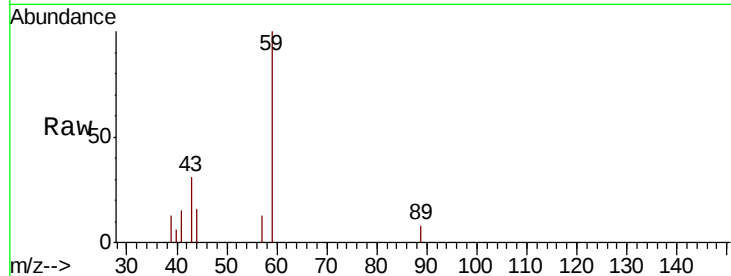




#11
Tert butyl alcohol
Concen: 43.264 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

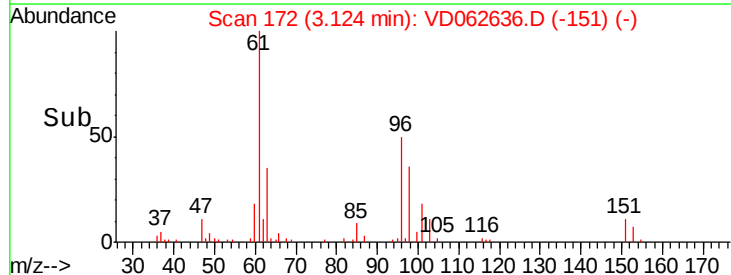
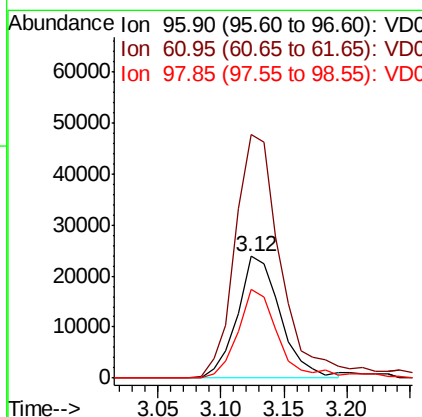
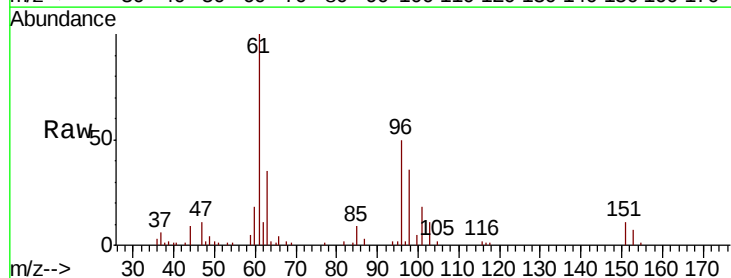
Instrument :
MSVOA_D
ClientSampleId :

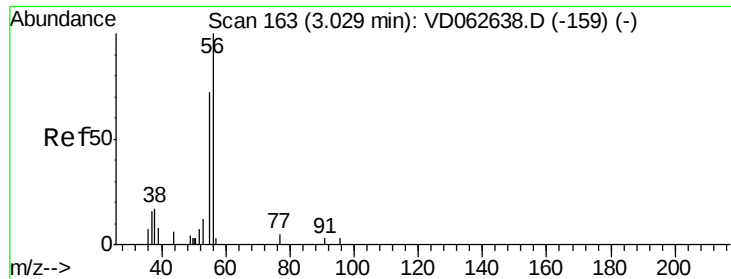
Tot Ion: 59 Resp: 19583
Ion Ratio Lower Upper
59 100
57 13.2 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 8.841 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 96 Resp: 56679
Ion Ratio Lower Upper
96 100
61 200.2 161.8 242.8
98 72.6 48.2 72.4#





#13

Acrolein

Concen: 53.455 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

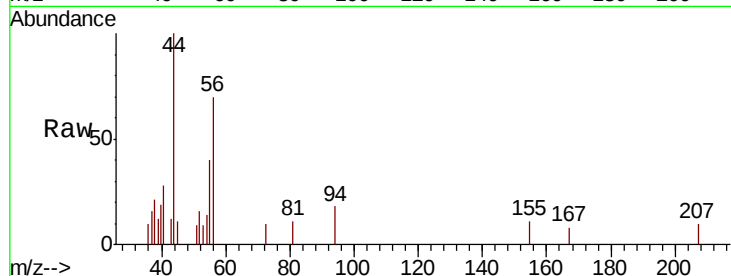
ClientSampleId :

Tot Ion: 56 Resp: 6687

Ion Ratio Lower Upper

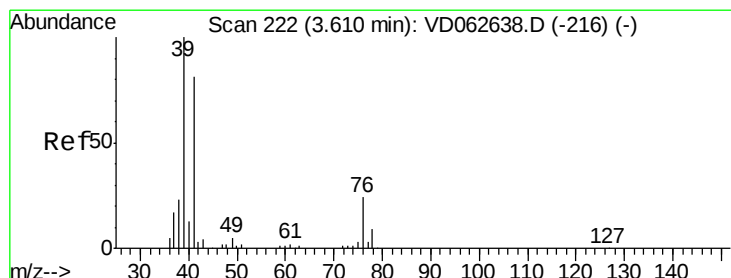
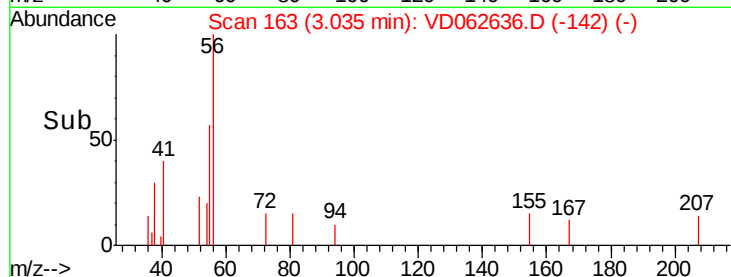
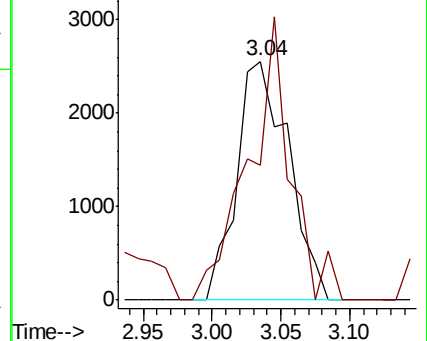
56 100

55 56.6 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: 8.905 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

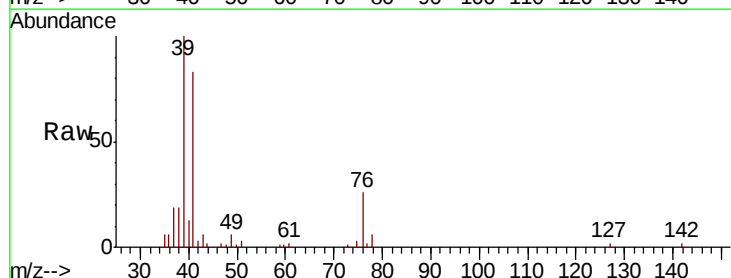
Tgt Ion: 41 Resp: 87764

Ion Ratio Lower Upper

41 100

39 120.8 99.1 148.7

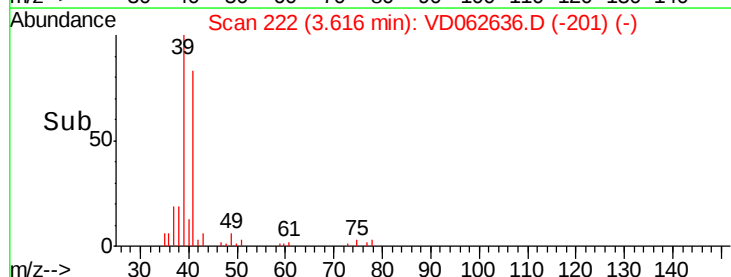
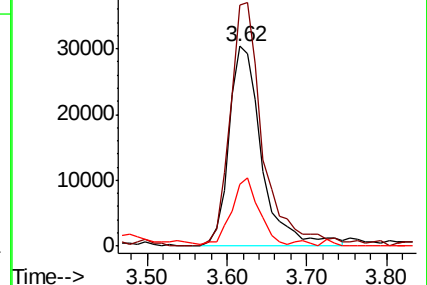
76 31.2 25.0 37.6

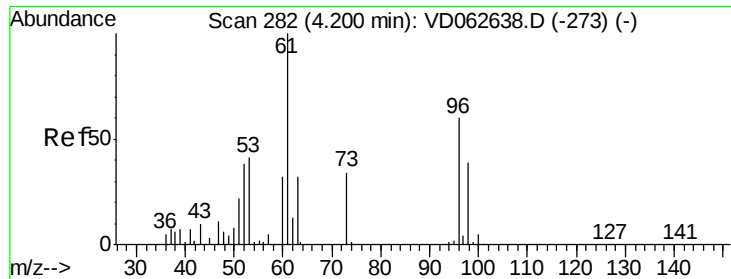


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 45.097 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

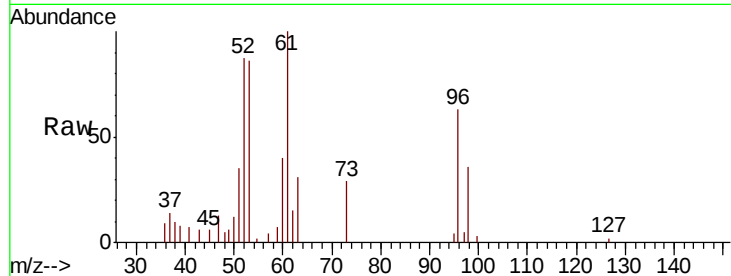
Tot Ion: 53 Resp: 44193

Ion Ratio Lower Upper

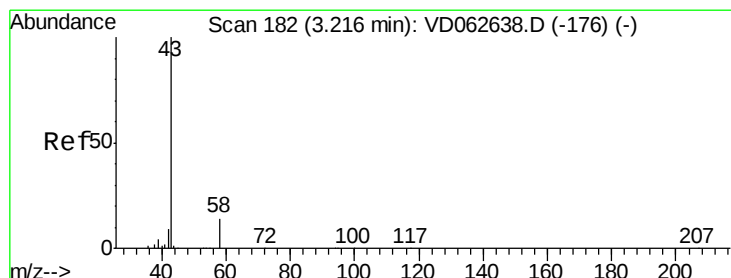
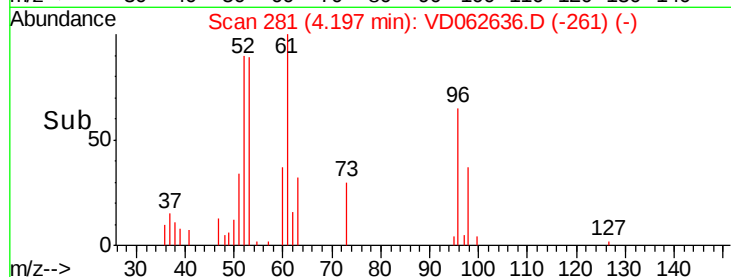
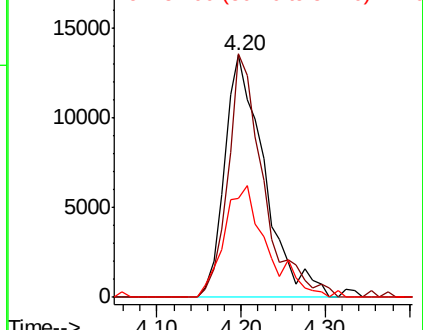
53 100

52 100.7 73.6 110.4

51 41.1 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: 41.482 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062636.D

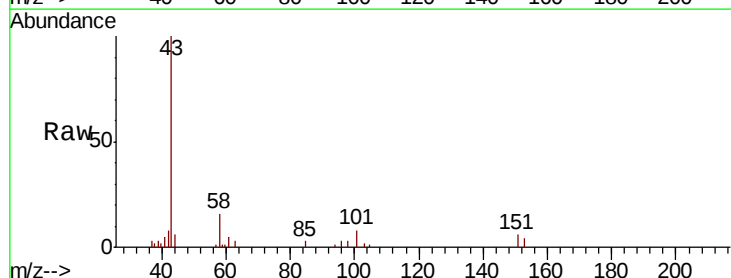
Acq: 7 Jun 2019 11:20

Tgt Ion: 43 Resp: 80386

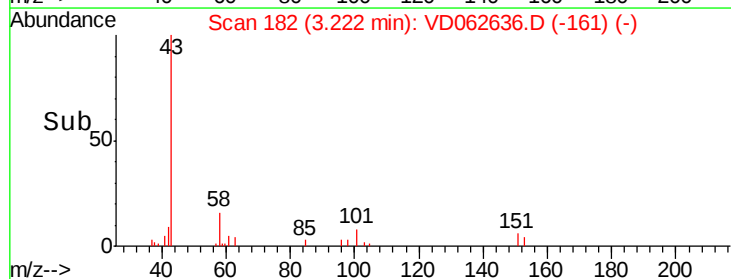
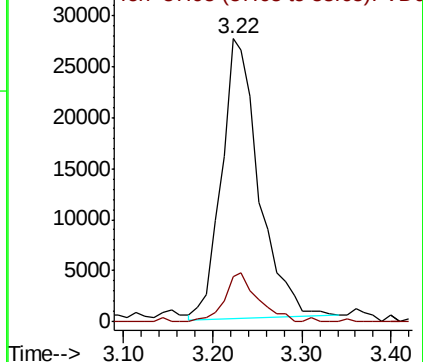
Ion Ratio Lower Upper

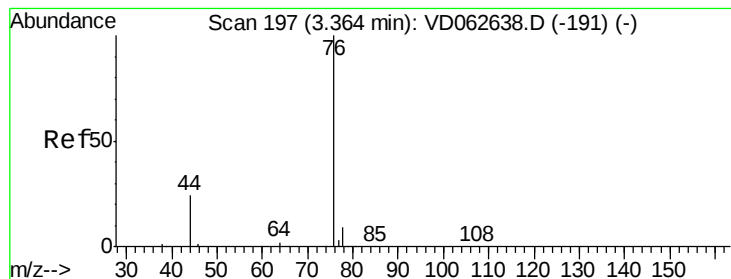
43 100

58 15.8 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: 8.788 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

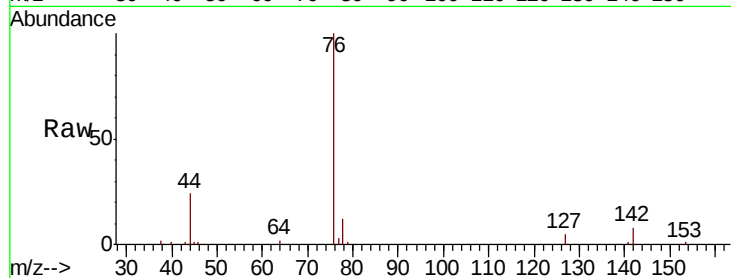
ClientSampleId :

Tot Ion: 76 Resp: 168344

Ion Ratio Lower Upper

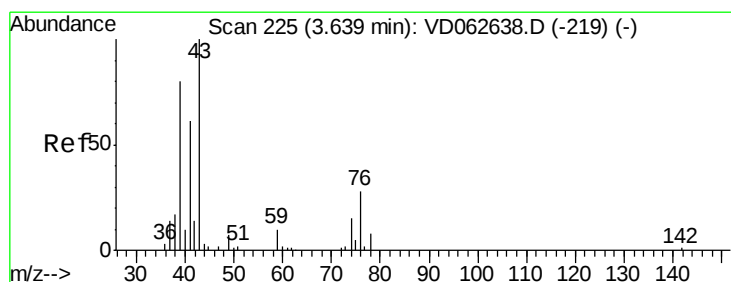
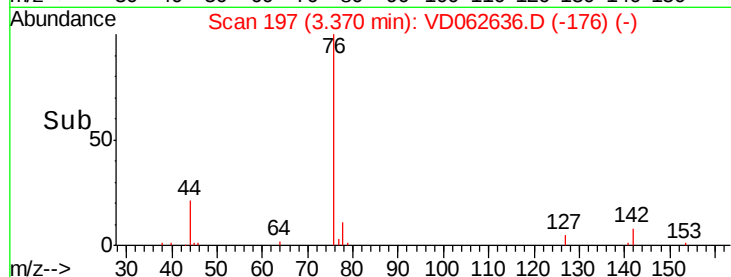
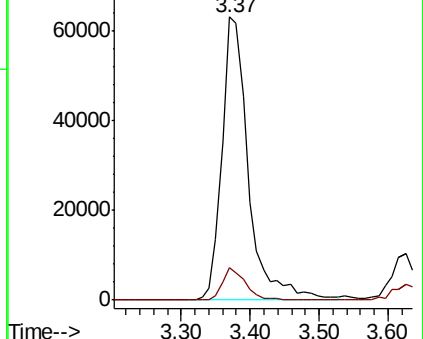
76 100

78 11.5 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: 9.864 ug/l

RT: 3.65 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062636.D

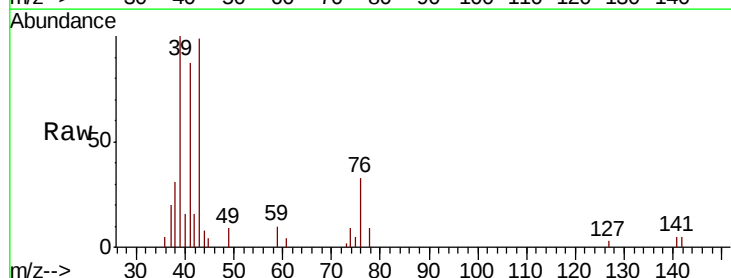
Acq: 7 Jun 2019 11:20

Tgt Ion: 43 Resp: 31107

Ion Ratio Lower Upper

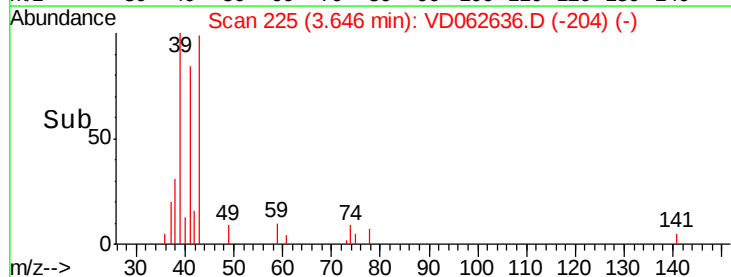
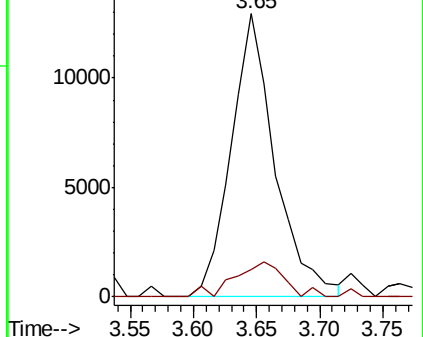
43 100

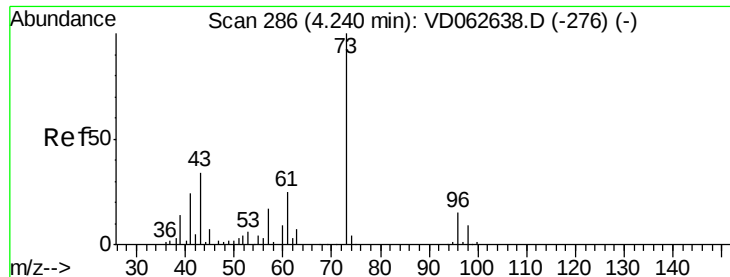
74 9.5 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

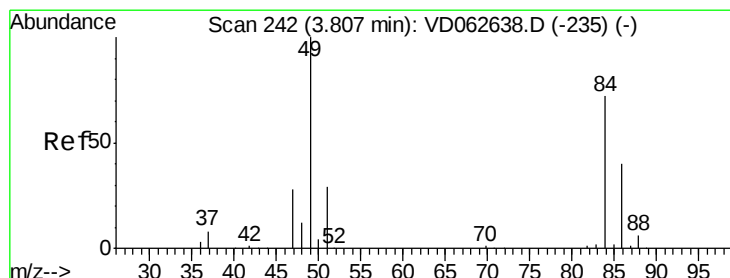
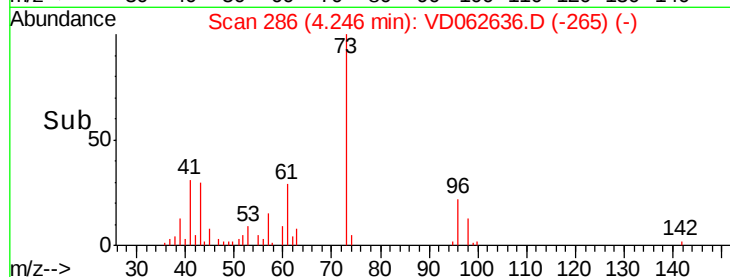
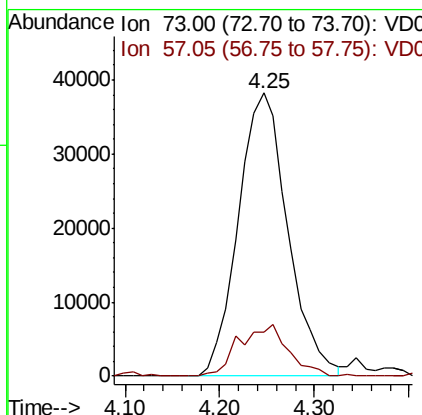
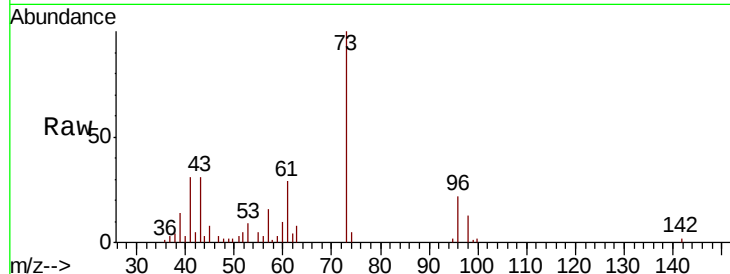




#19
Methyl tert-butyl Ether
Concen: 8.776 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

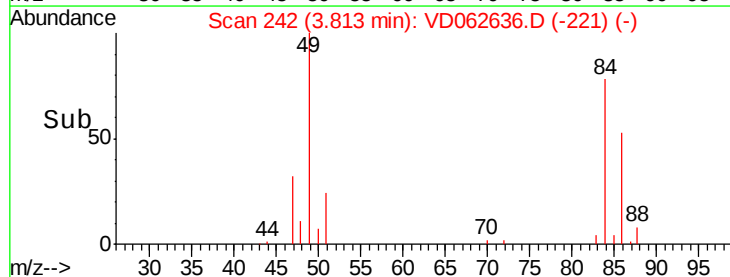
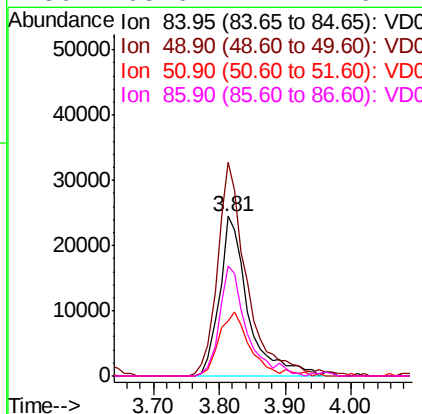
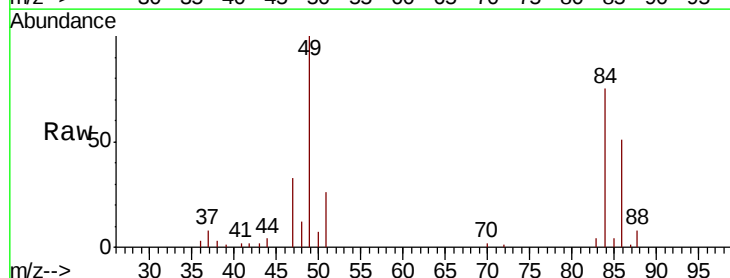
Instrument :
MSVOA_D
ClientSampleID :

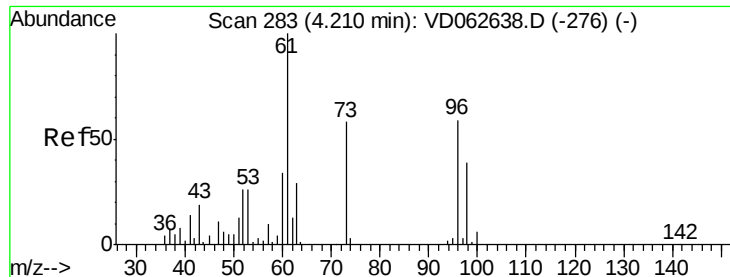
Tot Ion: 73 Resp: 138740
Ion Ratio Lower Upper
73 100
57 15.7 13.5 20.3



#20
Methylene Chloride
Concen: 10.319 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 84 Resp: 74575
Ion Ratio Lower Upper
84 100
49 133.6 111.2 166.8
51 34.7 31.9 47.9
86 68.6 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 9.224 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

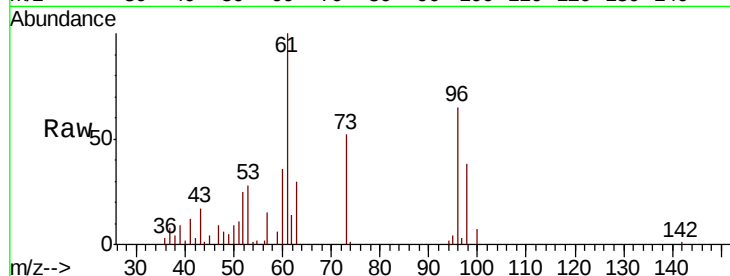
Tot Ion: 96 Resp: 66237

Ion Ratio Lower Upper

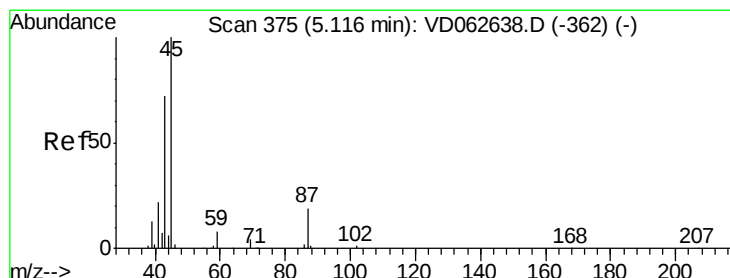
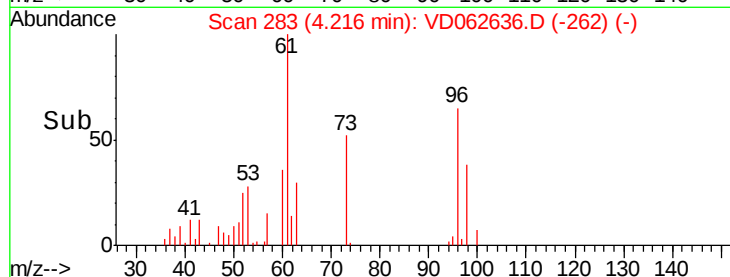
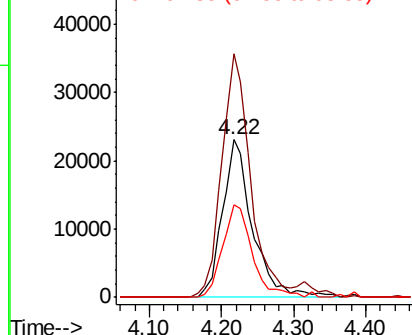
96 100

61 154.7 134.6 201.8

98 58.9 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: 8.854 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Tgt Ion: 45 Resp: 178606

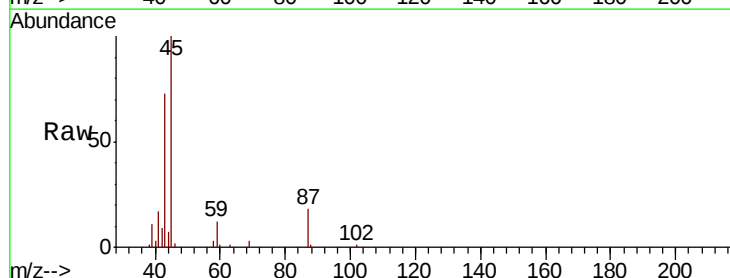
Ion Ratio Lower Upper

45 100

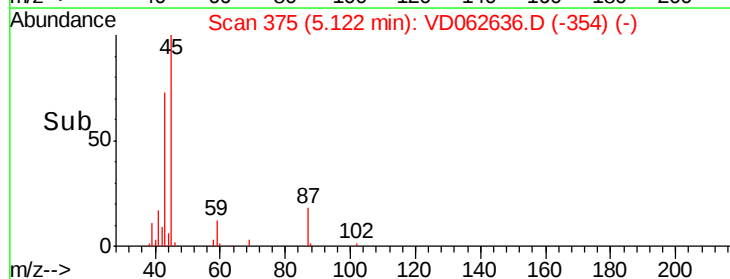
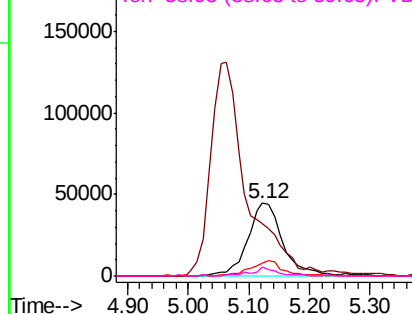
43 73.0 58.8 88.2

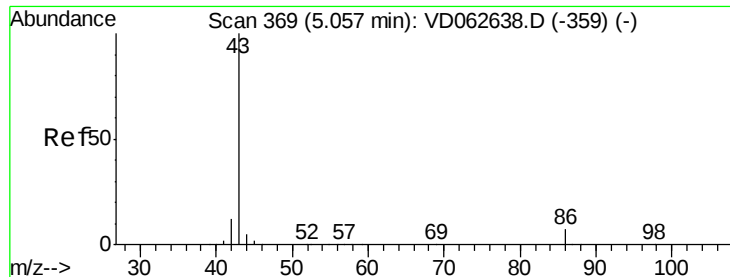
87 17.9 15.7 23.5

59 11.9 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: 42.553 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

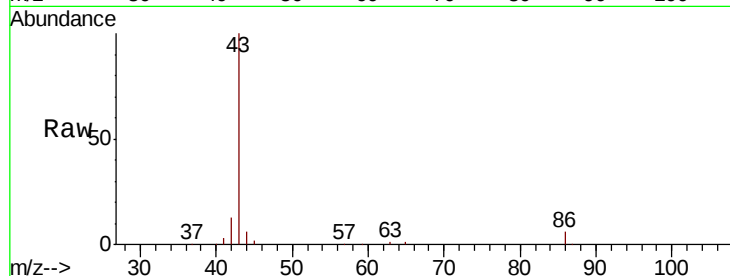
ClientSampled :

Tot Ion: 43 Resp: 541653

Ion Ratio Lower Upper

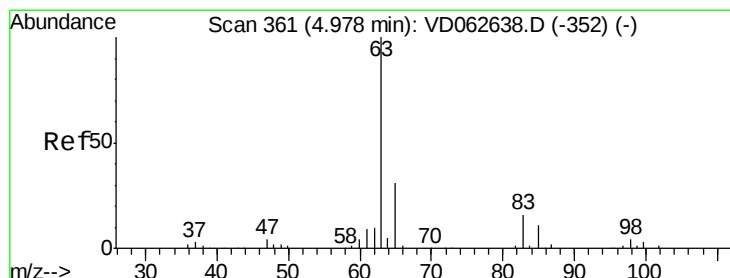
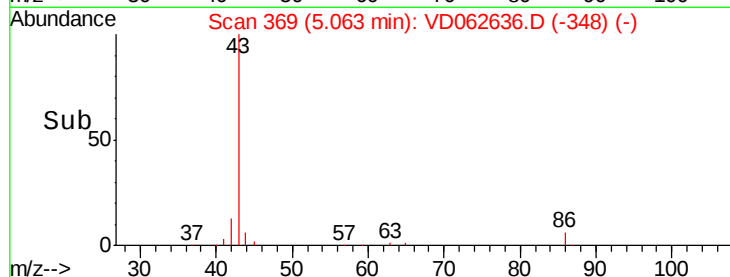
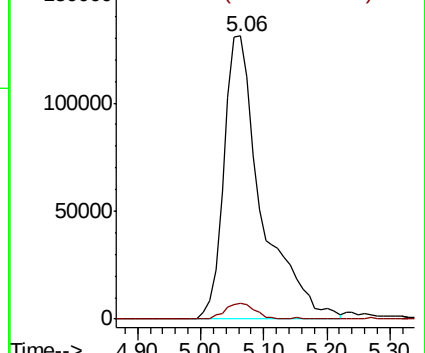
43 100

86 5.6 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.010 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

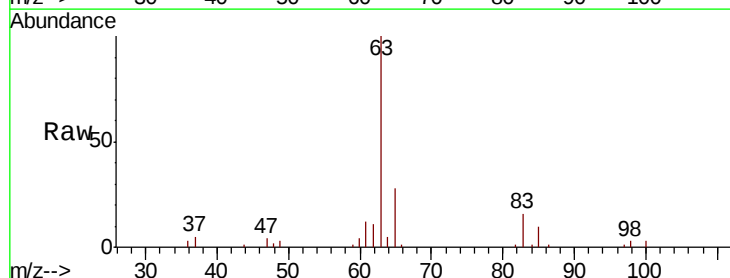
Tgt Ion: 63 Resp: 120008

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.4

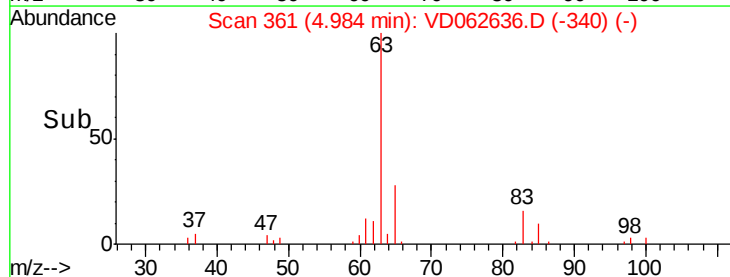
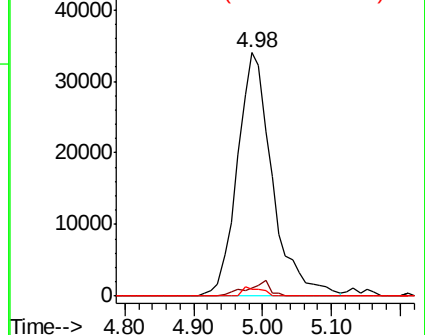
100 2.9 1.5 4.4

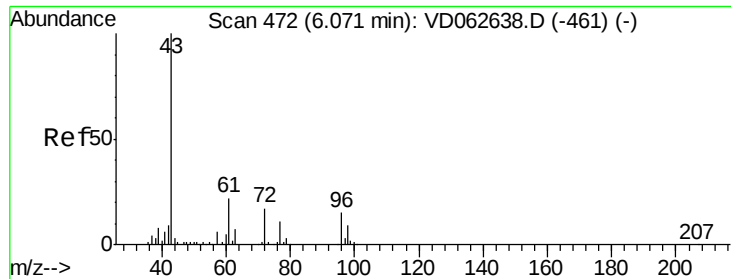


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 42.940 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

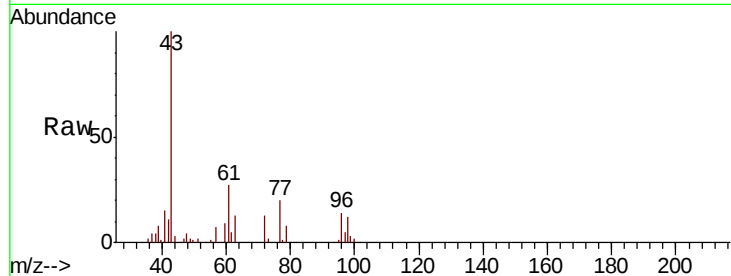
ClientSampleId :

Tot Ion: 43 Resp: 81106

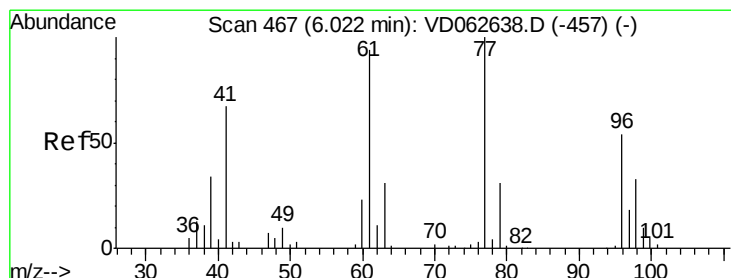
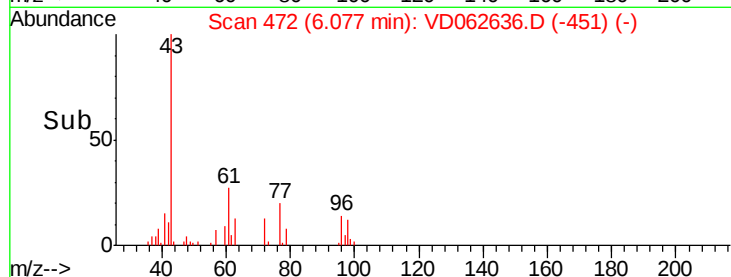
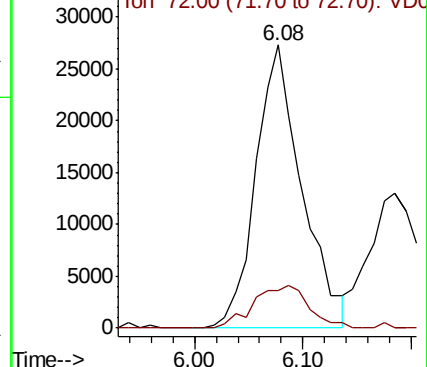
Ion Ratio Lower Upper

43 100

72 13.2 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 9.619 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD062636.D

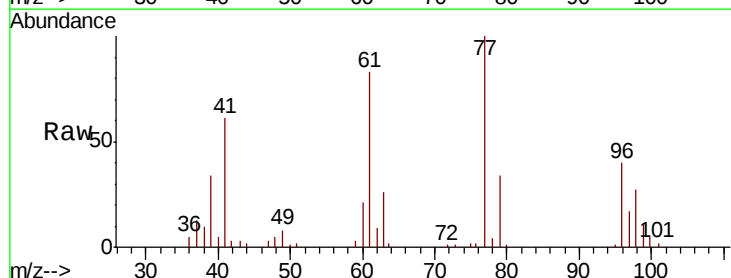
Acq: 7 Jun 2019 11:20

Tgt Ion: 77 Resp: 148227

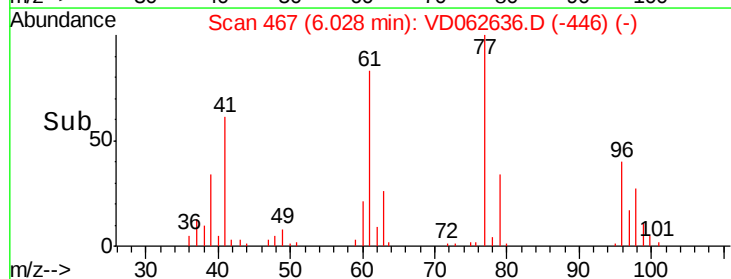
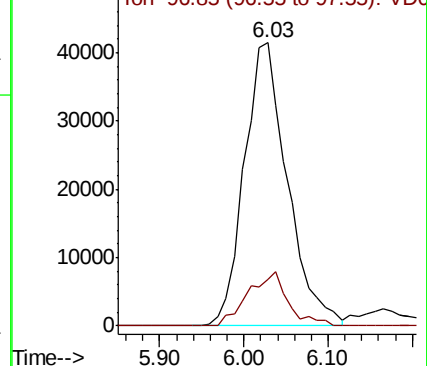
Ion Ratio Lower Upper

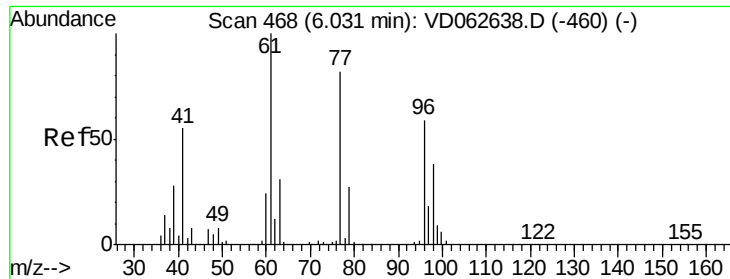
77 100

97 16.6 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC



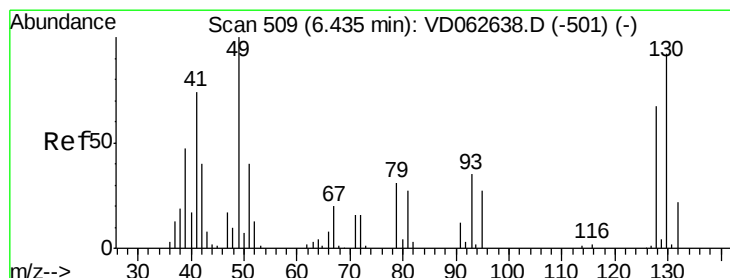
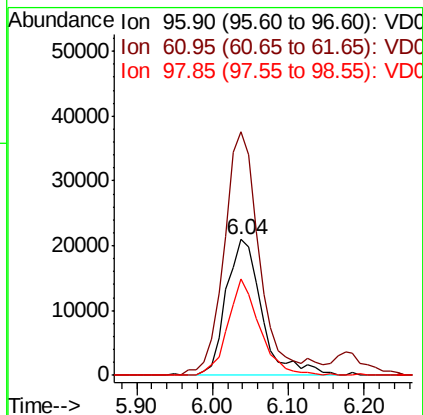
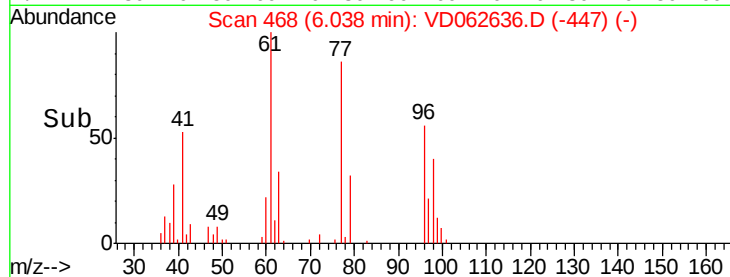
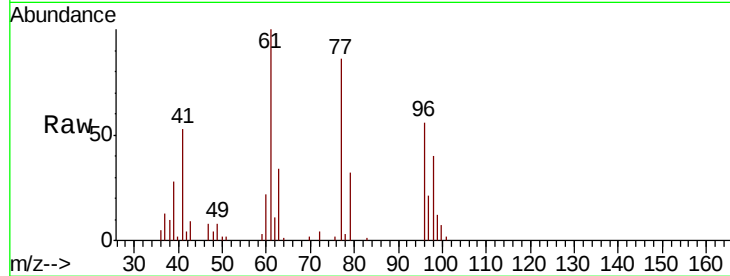


#27

cis-1,2-Dichloroethene
Concen: 8.948 ug/l
RT: 6.04 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

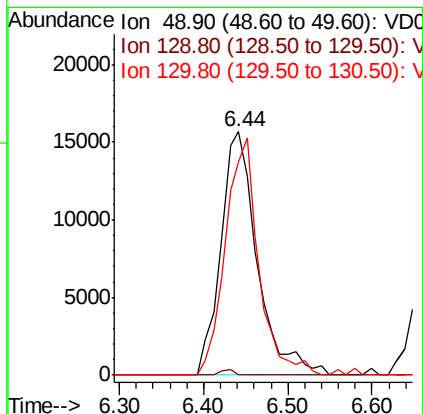
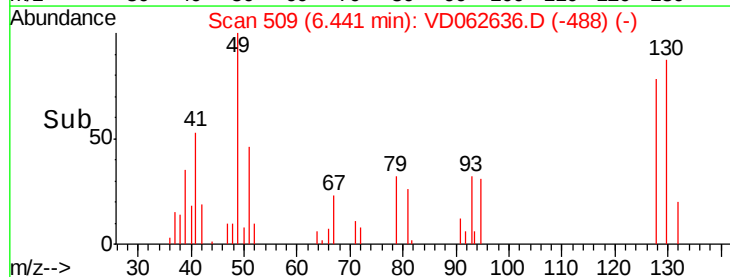
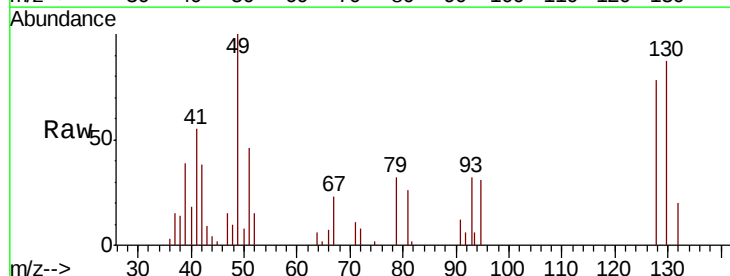
Tot Ion: 96 Resp: 68372
Ion Ratio Lower Upper
96 100
61 179.2 0.0 340.0
98 71.1 0.0 127.6

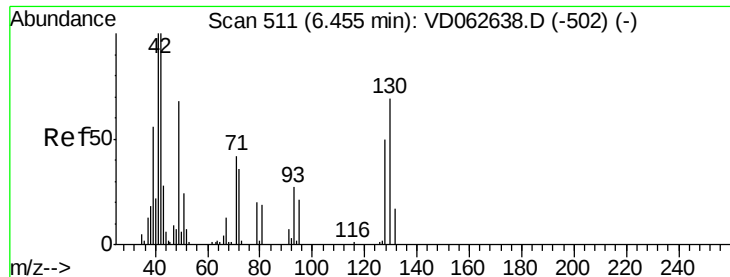


#28

Bromochloromethane
Concen: 9.867 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 49 Resp: 47060
Ion Ratio Lower Upper
49 100
129 0.0 0.0 8.2
130 87.4 73.4 110.0

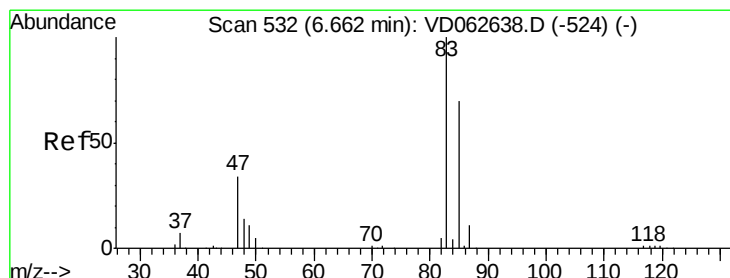
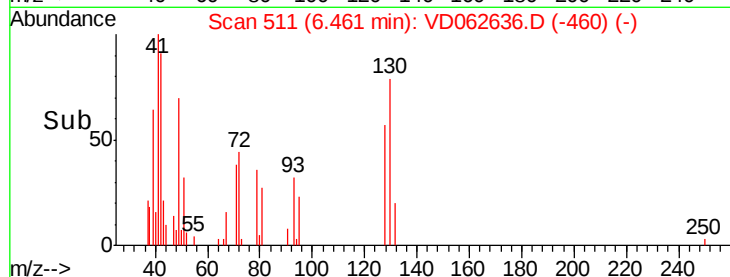
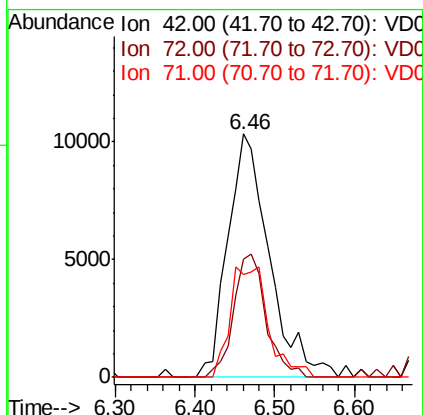
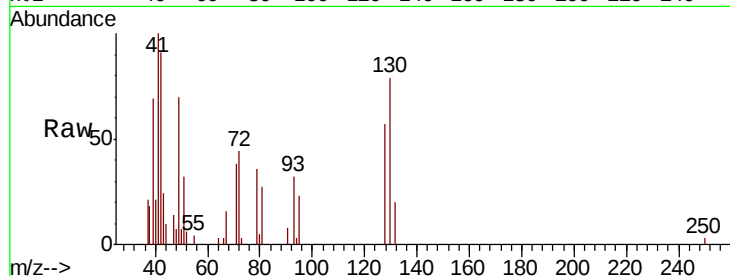




#29
Tetrahydrofuran
Concen: 43.987 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

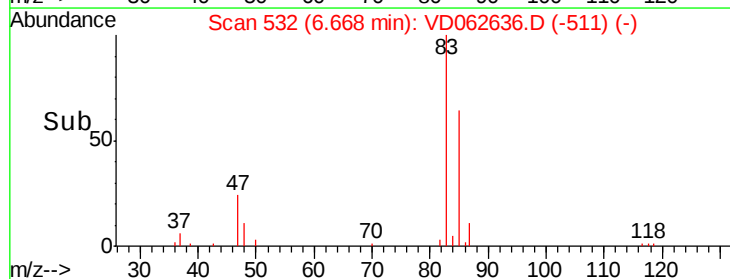
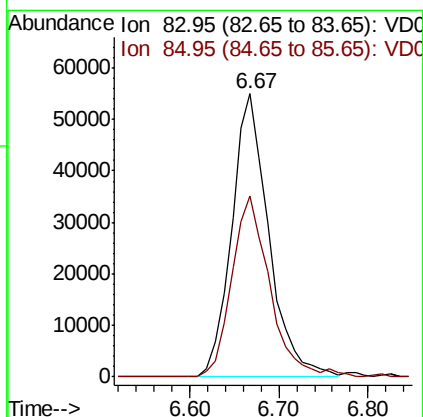
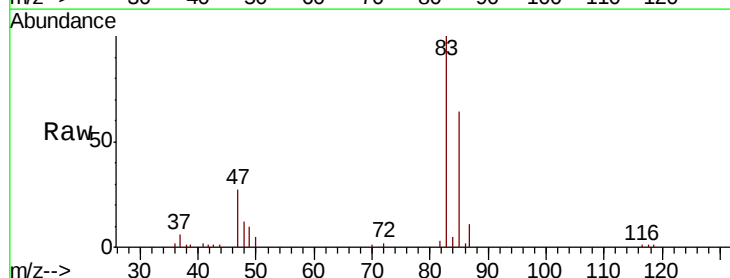
Instrument :
MSVOA_D
ClientSampleId :

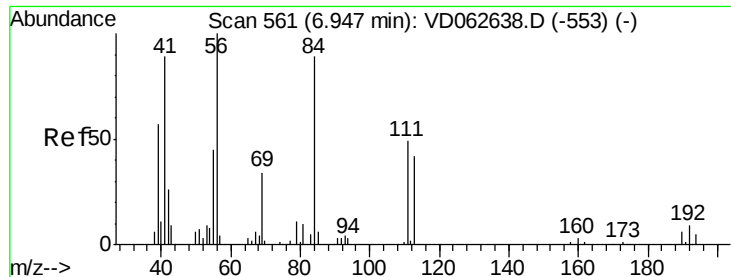
Tot Ion: 42 Resp: 37388
Ion Ratio Lower Upper
42 100
72 39.4 33.8 50.6
71 41.8 34.2 51.4



#30
Chloroform
Concen: 9.263 ug/l
RT: 6.67 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 83 Resp: 158818
Ion Ratio Lower Upper
83 100
85 63.9 55.8 83.6

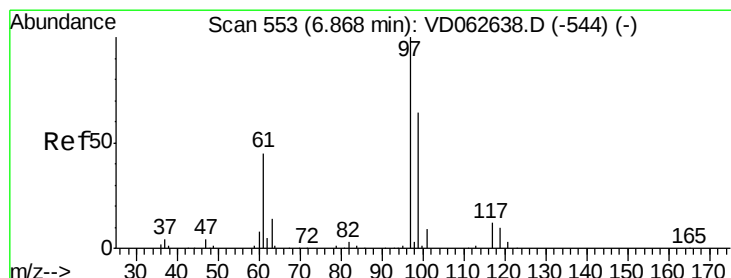
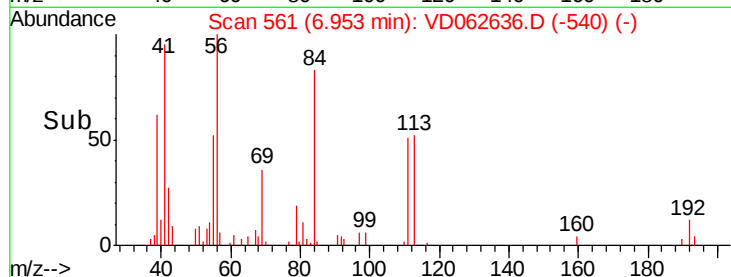
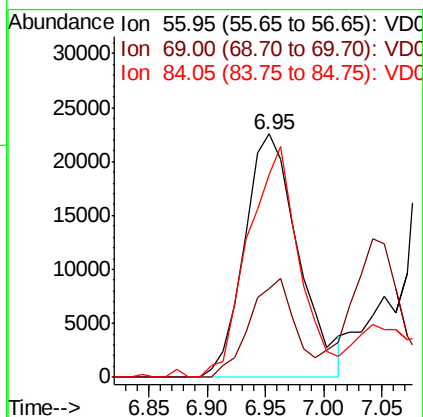
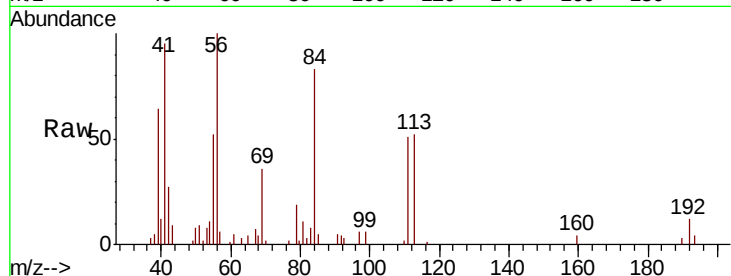




#31
Cyclohexane
Concen: 8.891 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

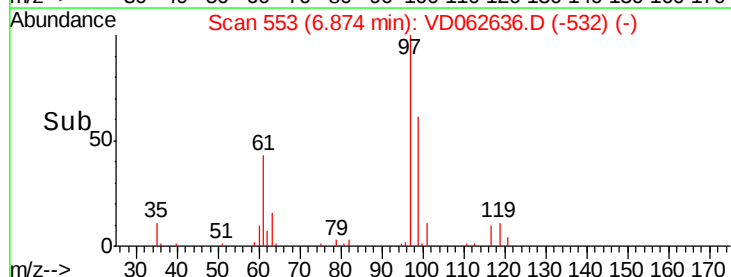
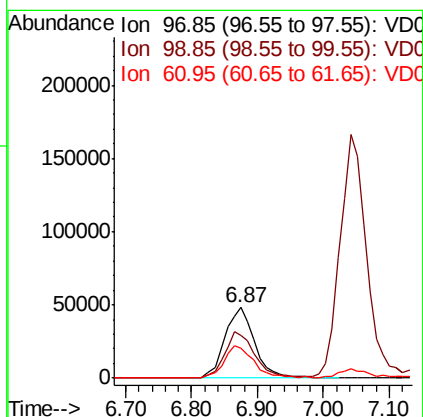
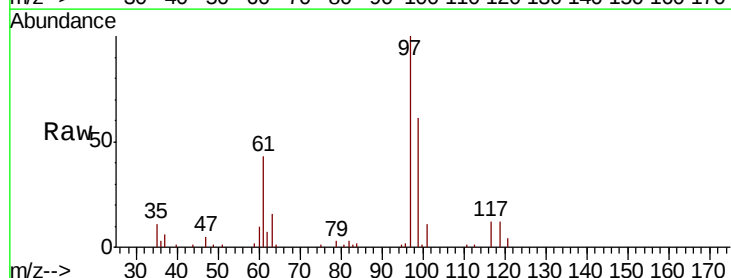
Instrument :
MSVOA_D
ClientSampled :

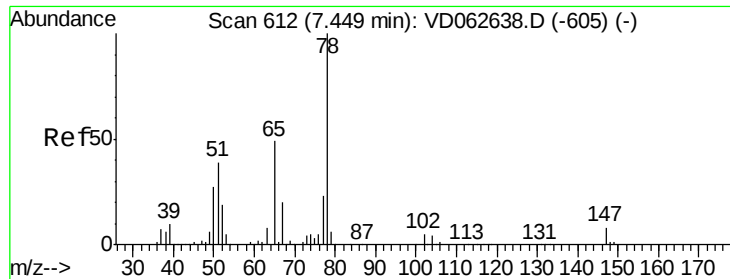
Tot Ion: 56 Resp: 72585
Ion Ratio Lower Upper
56 100
69 36.3 26.8 40.2
84 83.2 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 8.824 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 97 Resp: 153013
Ion Ratio Lower Upper
97 100
99 61.1 51.4 77.0
61 43.1 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 9.509 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

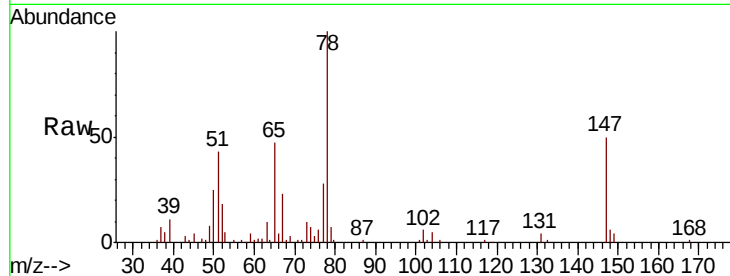
ClientSampleId :

Tot Ion: 65 Resp: 99173

Ion Ratio Lower Upper

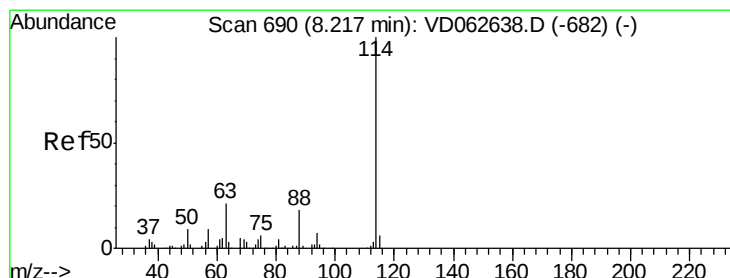
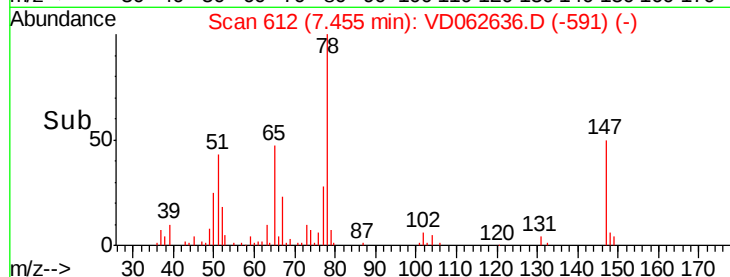
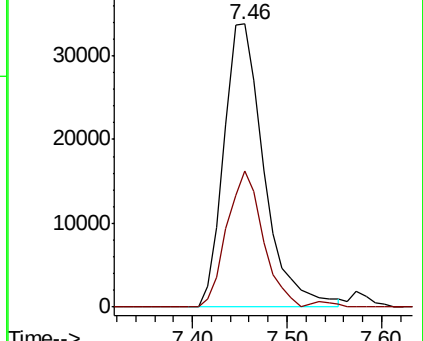
65 100

67 48.2 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

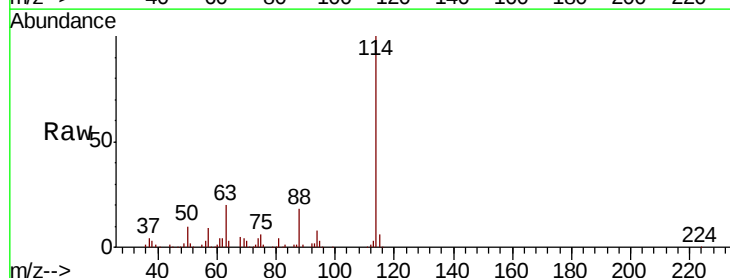
Tgt Ion: 114 Resp: 972434

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

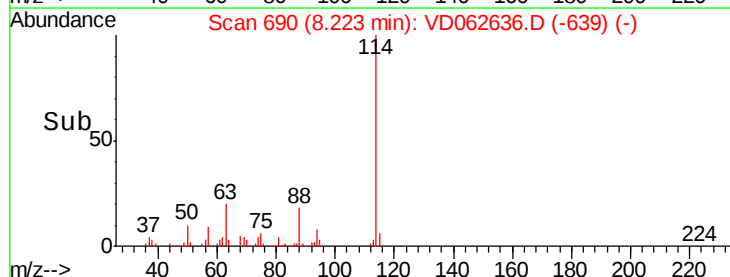
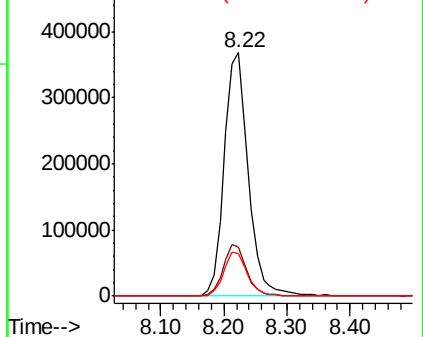
88 17.6 0.0 36.8

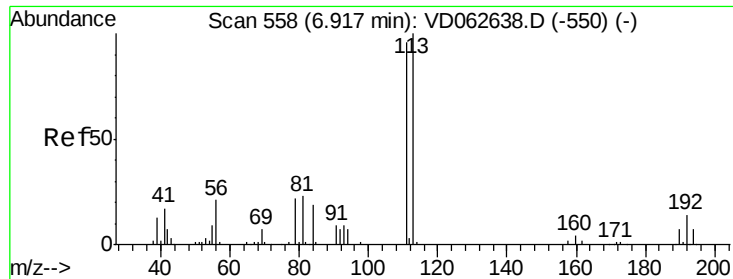


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 8.978 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

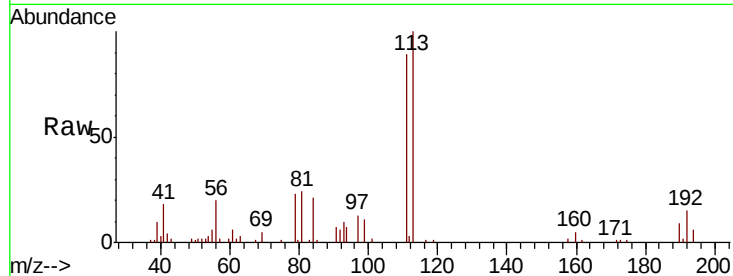
Tot Ion:113 Resp: 92094

Ion Ratio Lower Upper

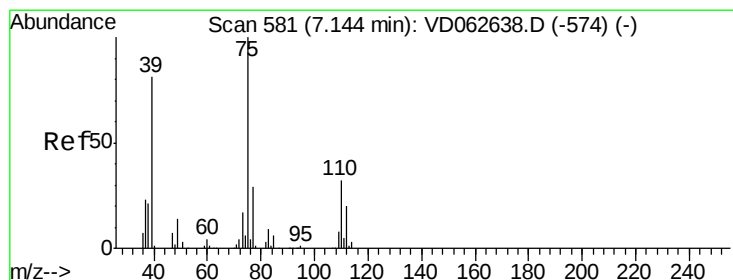
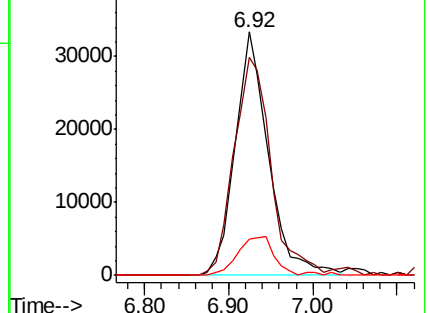
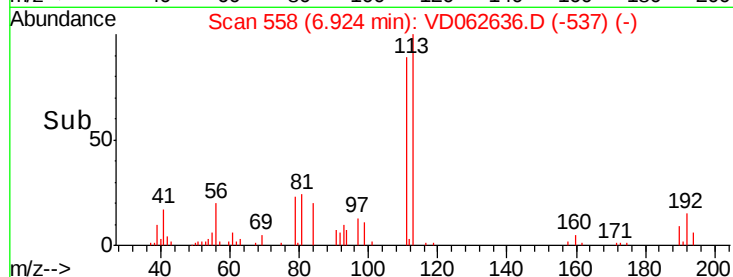
113 100

111 89.4 76.4 114.6

192 14.7 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: 8.922 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

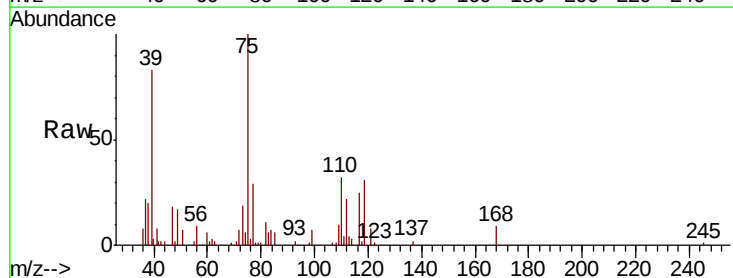
Tgt Ion: 75 Resp: 103331

Ion Ratio Lower Upper

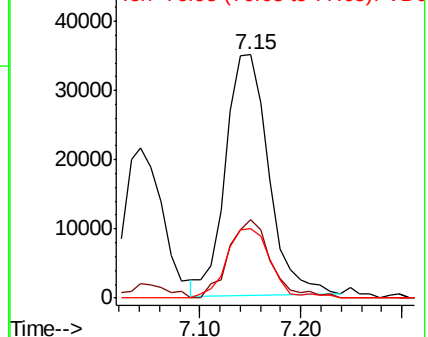
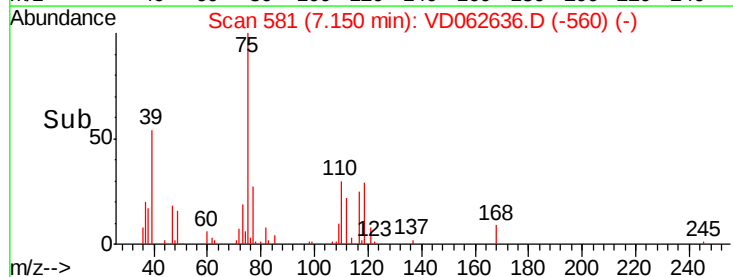
75 100

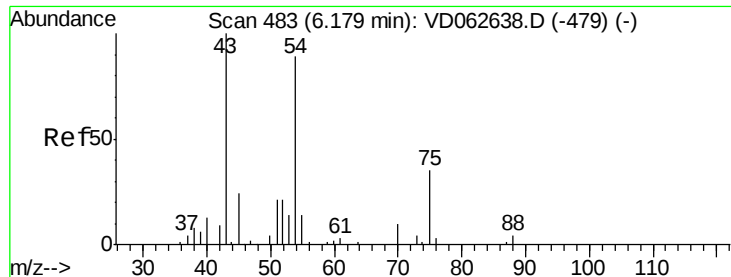
110 32.1 15.9 47.7

77 28.5 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

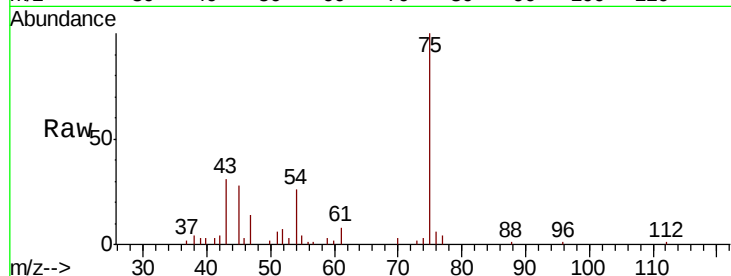




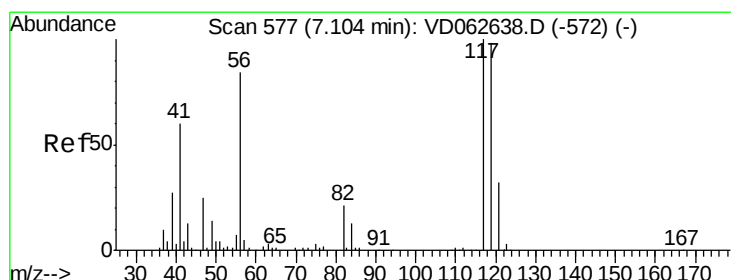
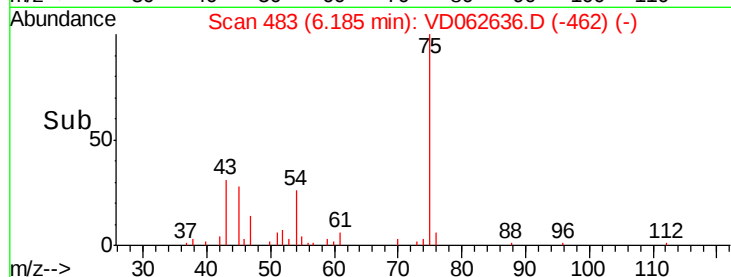
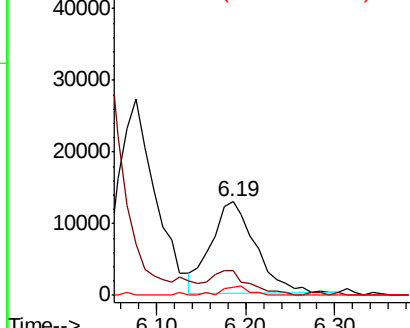
#37
Ethyl Acetate
Concen: 8.877 ug/l
RT: 6.19 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 44820
Ion Ratio Lower Upper
43 100
61 26.8 8.7 13.1#
70 9.3 6.5 9.7

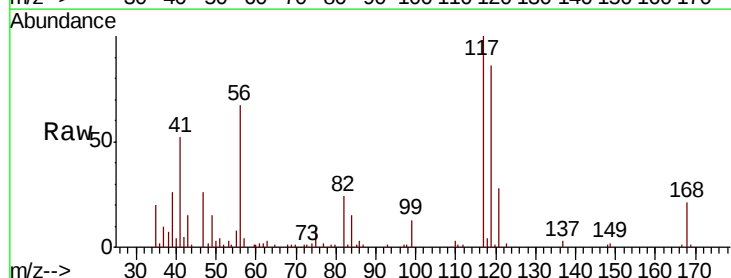


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

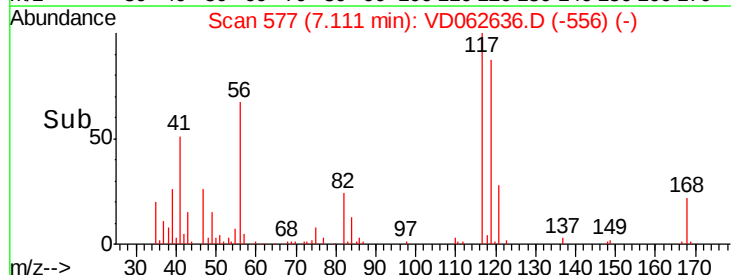
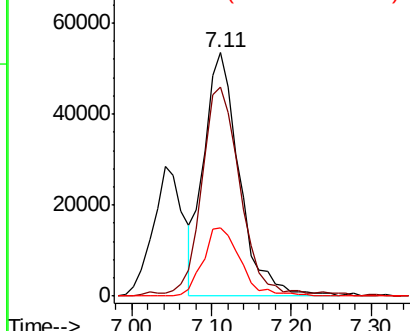


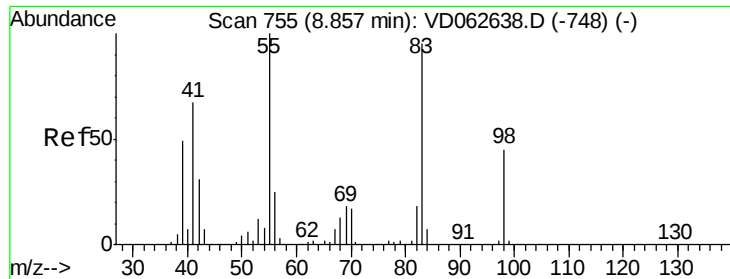
#38
Carbon Tetrachloride
Concen: 9.102 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 117 Resp: 166396
Ion Ratio Lower Upper
117 100
119 86.1 73.5 110.3
121 27.9 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

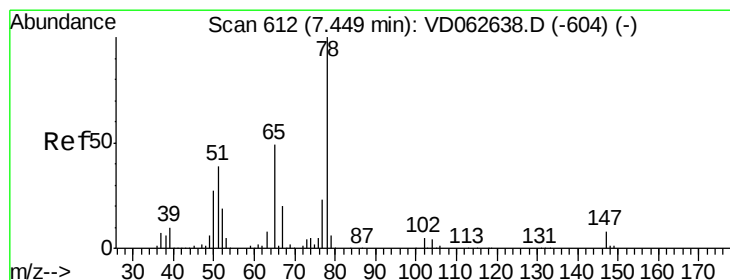
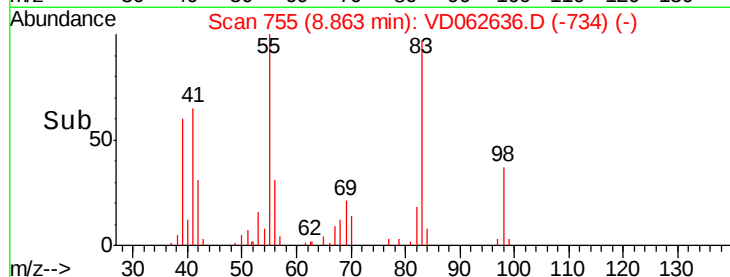
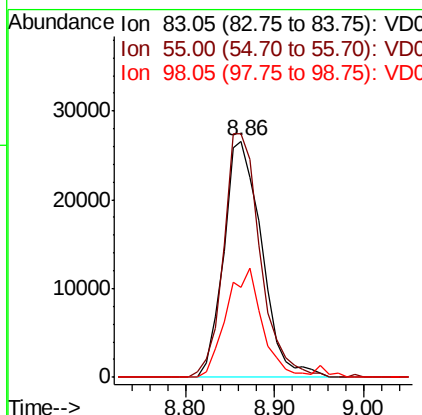
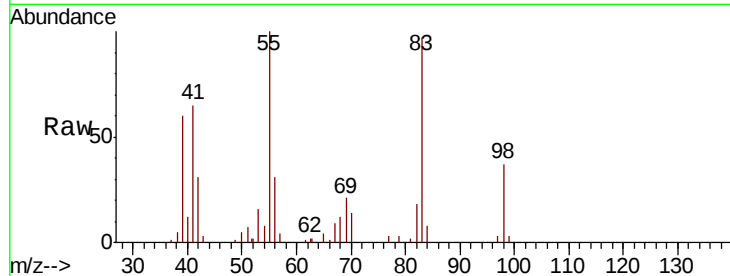




#39
Methvlcvclohexane
Concen: 8.602 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

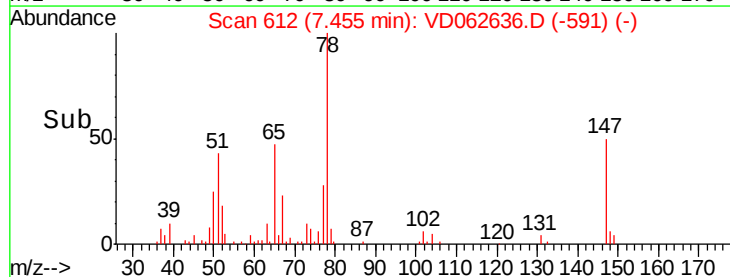
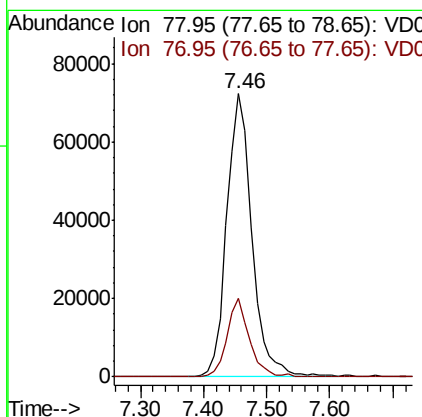
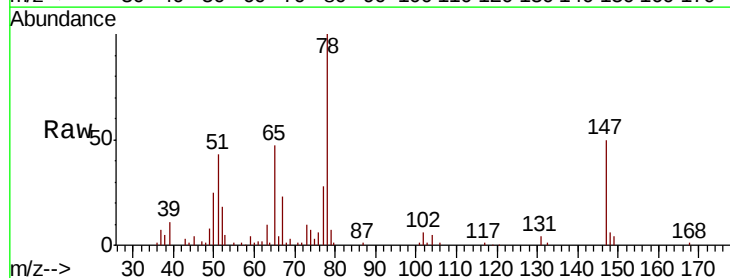
Instrument :
MSVOA_D
ClientSampleId :

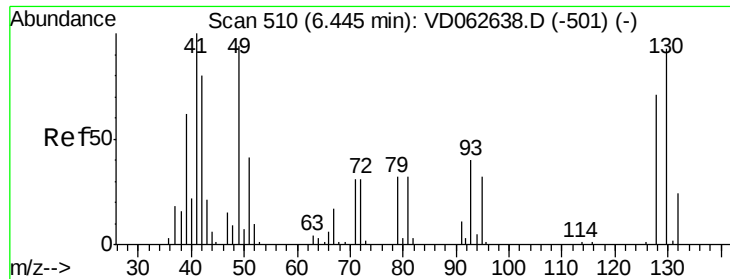
Tot Ion: 83 Resp: 79285
Ion Ratio Lower Upper
83 100
55 102.9 84.6 127.0
98 38.0 38.2 57.4#



#40
Benzene
Concen: 9.030 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 78 Resp: 199225
Ion Ratio Lower Upper
78 100
77 27.6 18.6 28.0

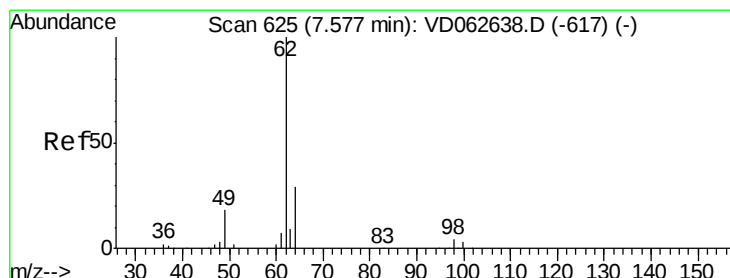
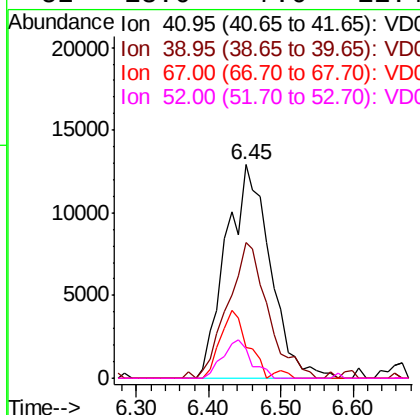
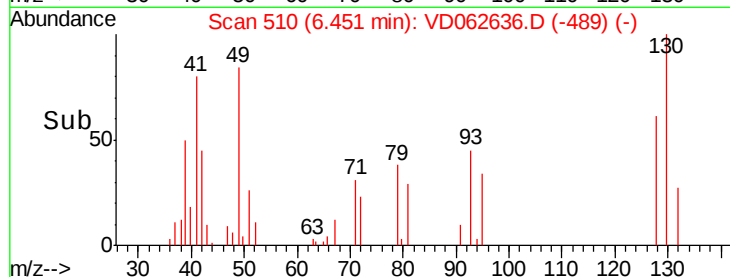
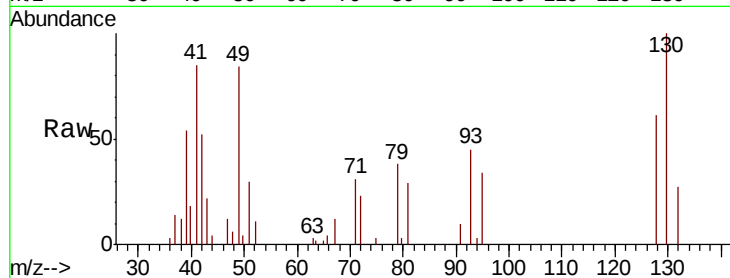




#41
Methacrylonitrile
Concen: 9.075 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

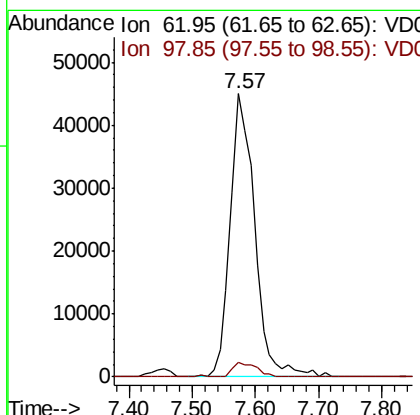
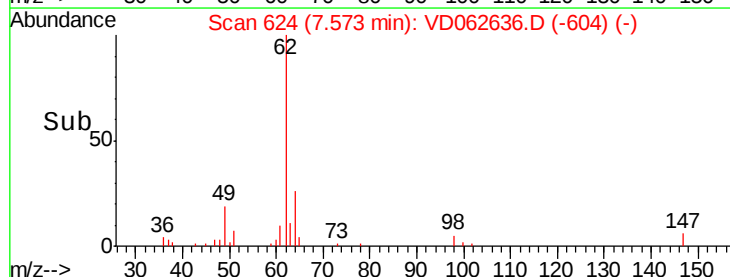
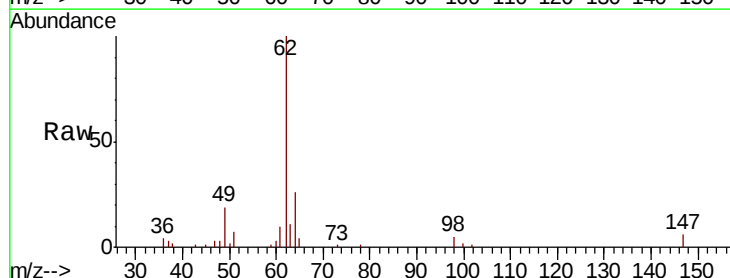
Instrument :
MSVOA_D
ClientSampleId :

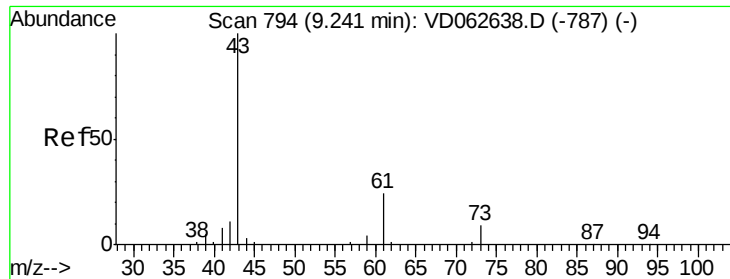
Tot Ion: 41 Resp: 54913
Ion Ratio Lower Upper
41 100
39 63.3 49.2 73.8
67 14.2 13.9 20.9
52 13.6 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 9.131 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 62 Resp: 120816
Ion Ratio Lower Upper
62 100
98 5.2 0.0 7.4





#43

Isopropyl Acetate

Concen: 8.466 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

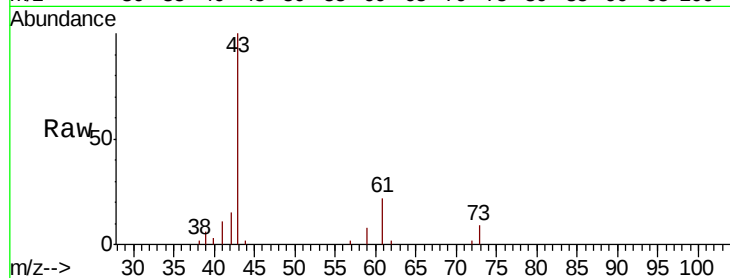
Tot Ion: 43 Resp: 50193

Ion Ratio Lower Upper

43 100

61 22.3 19.0 28.6

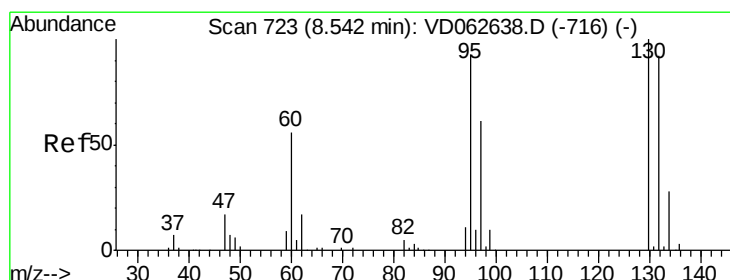
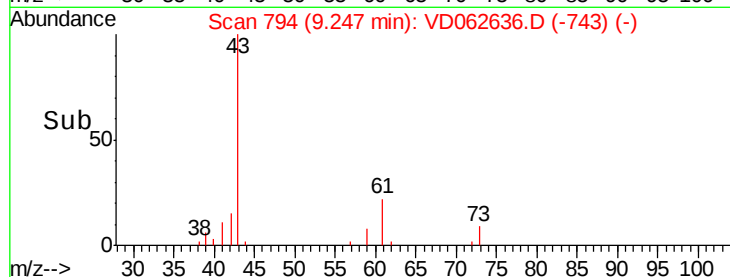
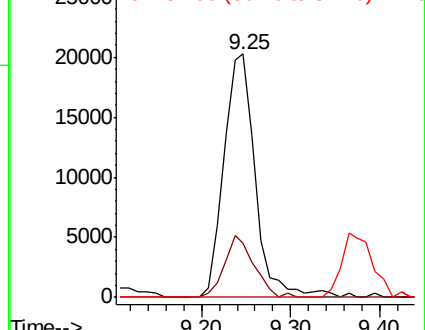
87 0.0 0.3 0.5#



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: 8.429 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD062636.D

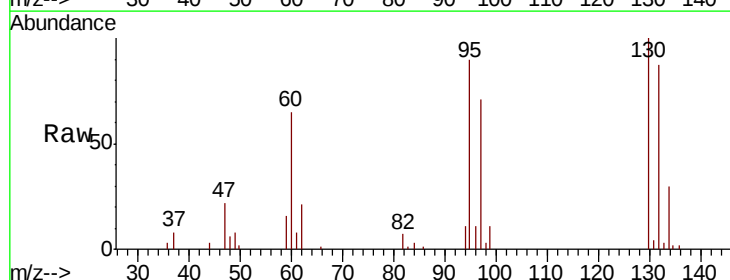
Acq: 7 Jun 2019 11:20

Tgt Ion:130 Resp: 76758

Ion Ratio Lower Upper

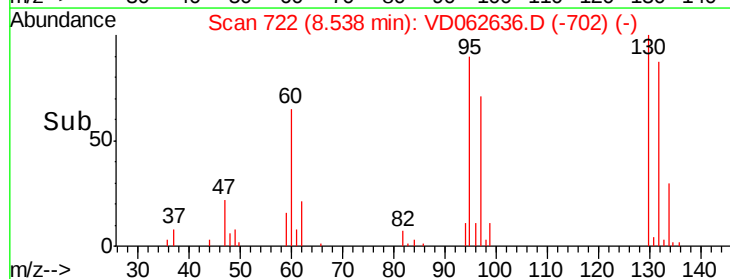
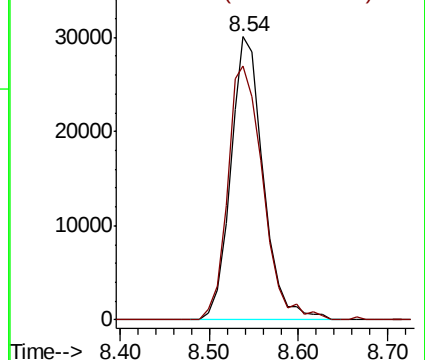
130 100

95 89.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 9.083 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

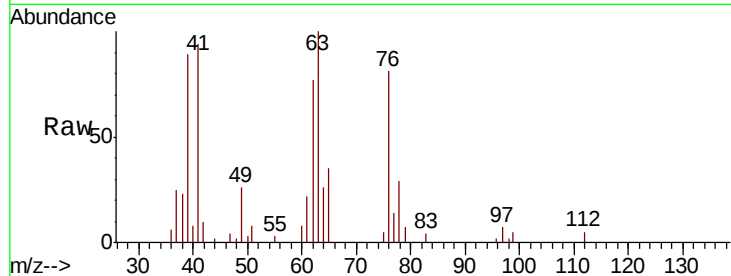
ClientSampleId :

Tot Ion: 63 Resp: 48615

Ion Ratio Lower Upper

63 100

65 35.3 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

20000

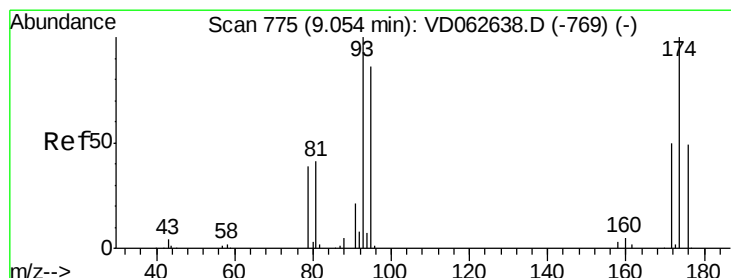
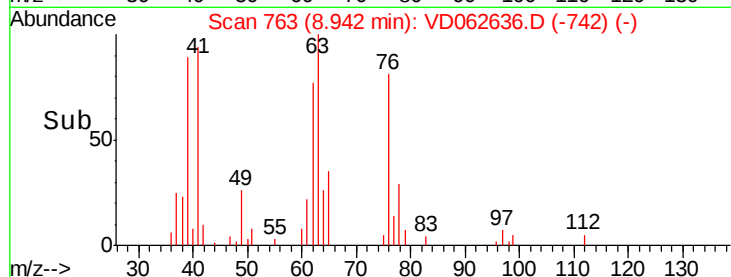
15000

10000

5000

0

Time--> 8.80 8.90 9.00



#46

Dibromomethane

Concen: 8.477 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

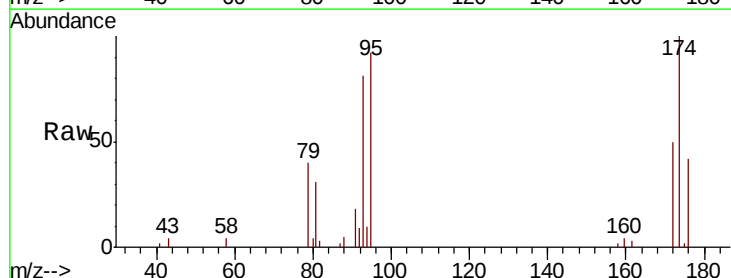
Tgt Ion: 93 Resp: 40632

Ion Ratio Lower Upper

93 100

95 114.1 68.7 103.1#

174 123.6 79.8 119.8#



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

25000

20000

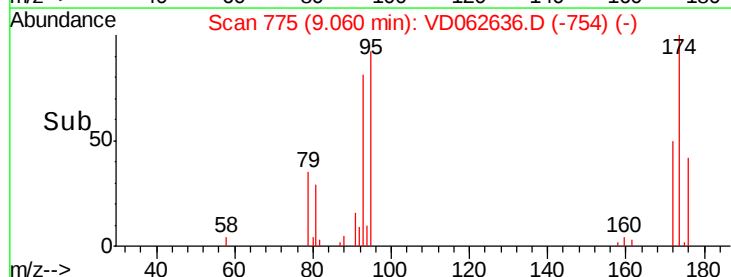
15000

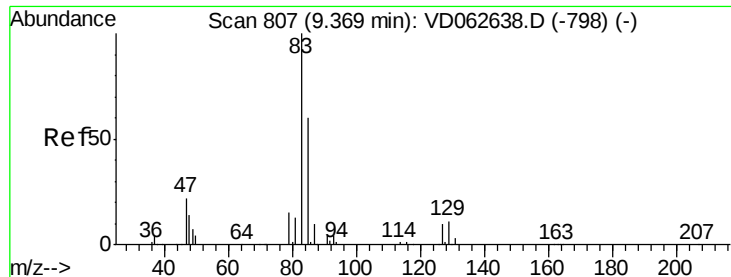
10000

5000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 8.896 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

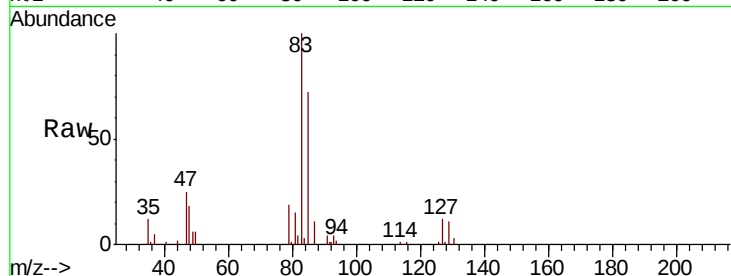
Tot Ion: 83 Resp: 115763

Ion Ratio Lower Upper

83 100

85 72.3 47.9 71.9#

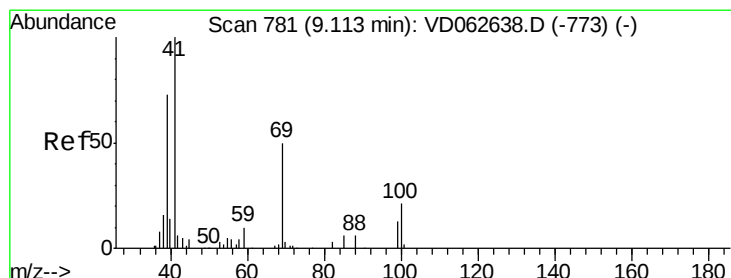
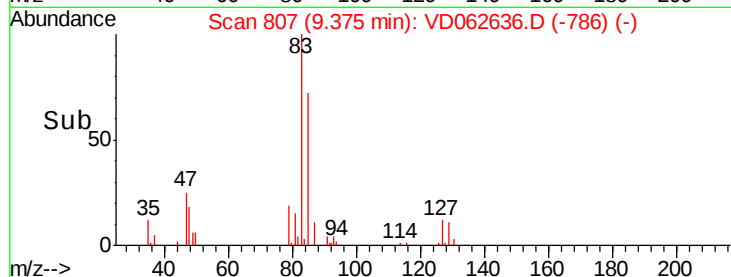
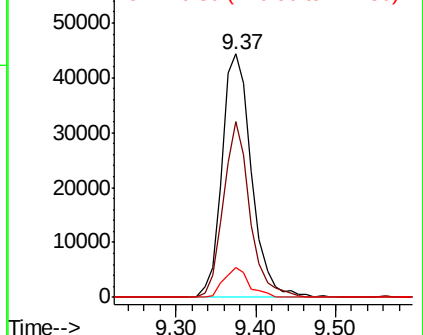
127 12.0 8.2 12.4



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: 9.418 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

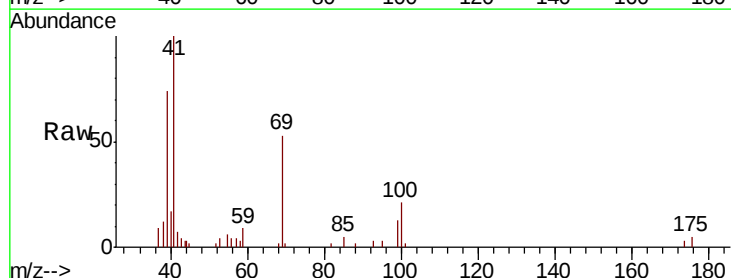
Tgt Ion: 41 Resp: 41567

Ion Ratio Lower Upper

41 100

69 52.7 39.8 59.6

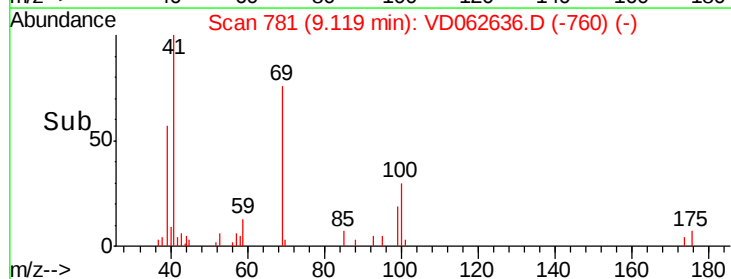
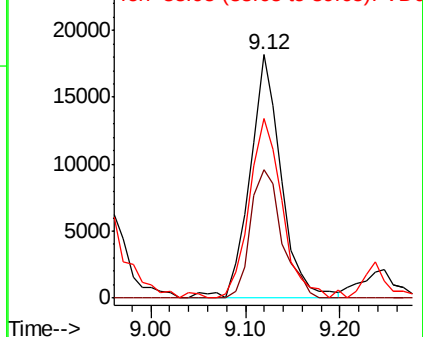
39 73.8 59.1 88.7

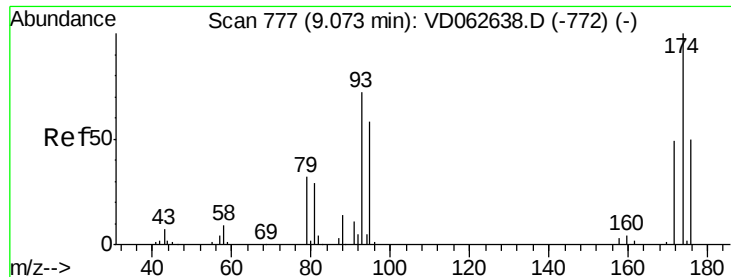


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

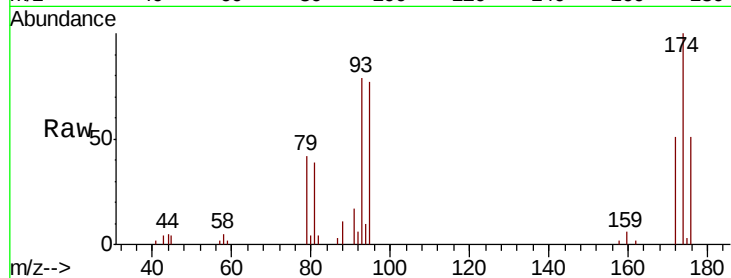




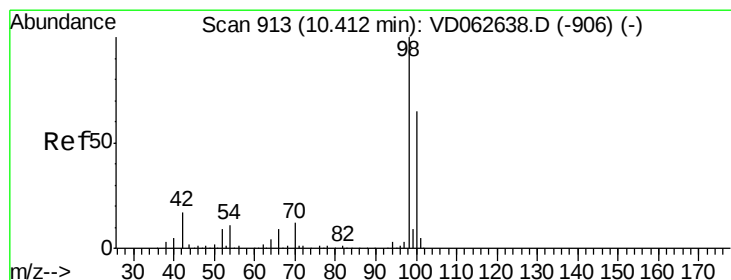
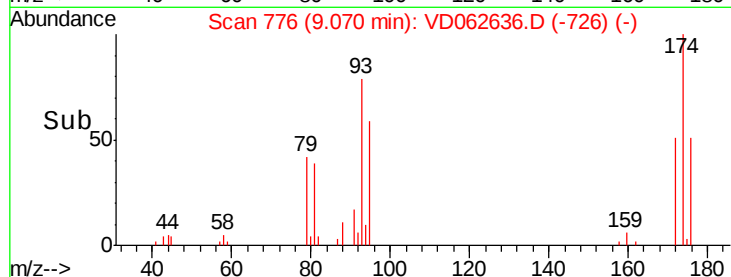
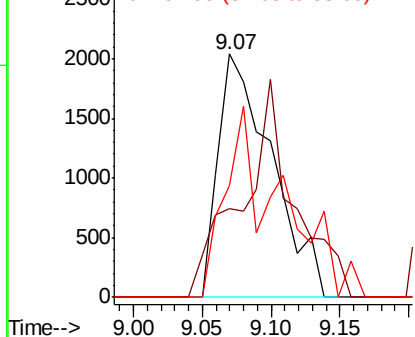
#49
1,4-Dioxane
Concen: 157.750 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 5500
Ion Ratio Lower Upper
88 100
43 36.7 40.7 61.1#
58 46.0 54.2 81.4#

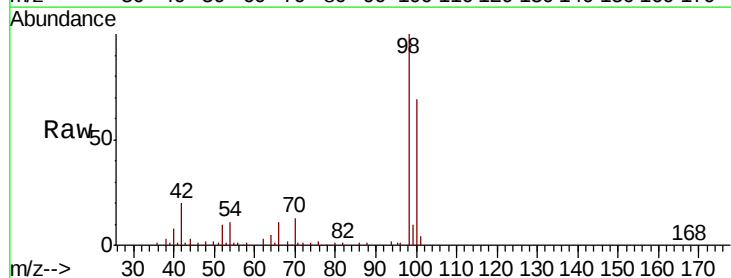


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

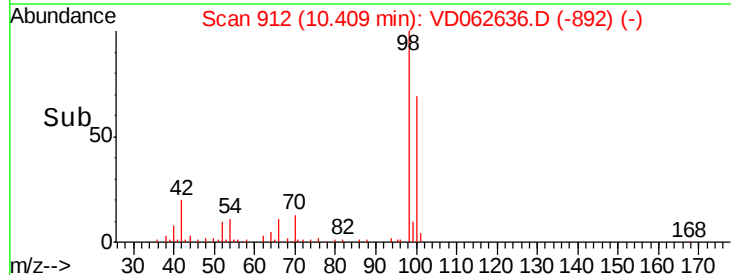
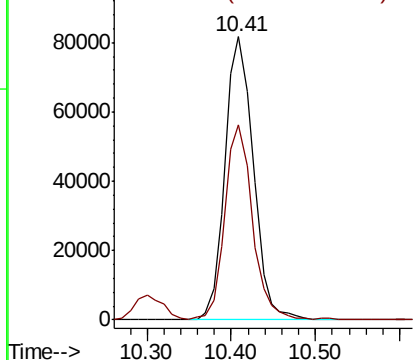


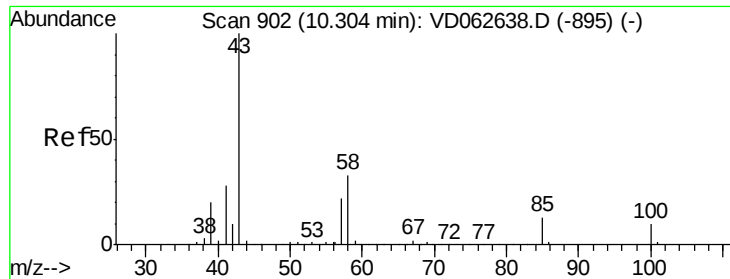
#50
Toluene-d8
Concen: 8.750 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 98 Resp: 191116
Ion Ratio Lower Upper
98 100
100 68.8 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 44.022 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

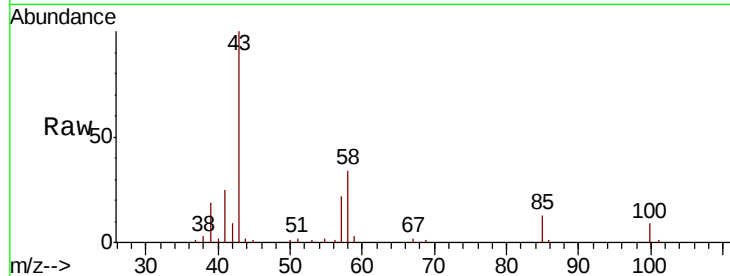
ClientSampleId :

Tot Ion: 43 Resp: 185322

Ion Ratio Lower Upper

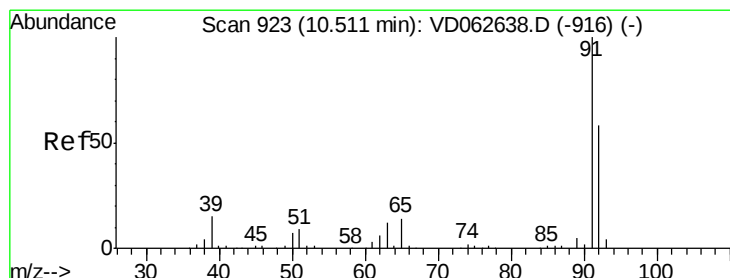
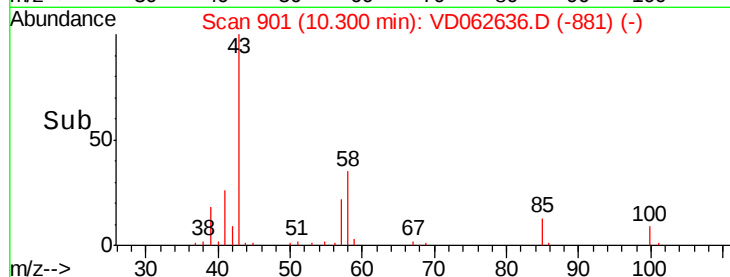
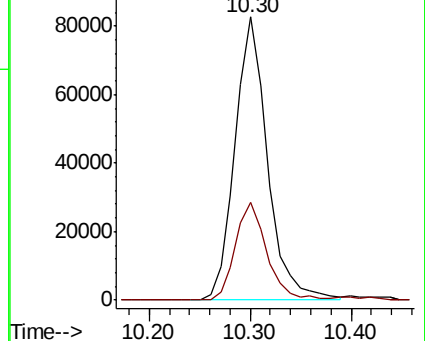
43 100

58 34.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 8.533 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062636.D

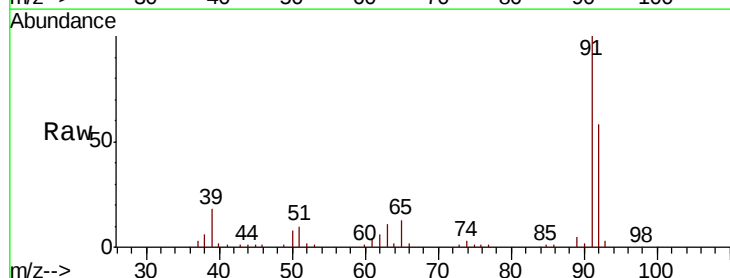
Acq: 7 Jun 2019 11:20

Tgt Ion: 92 Resp: 128823

Ion Ratio Lower Upper

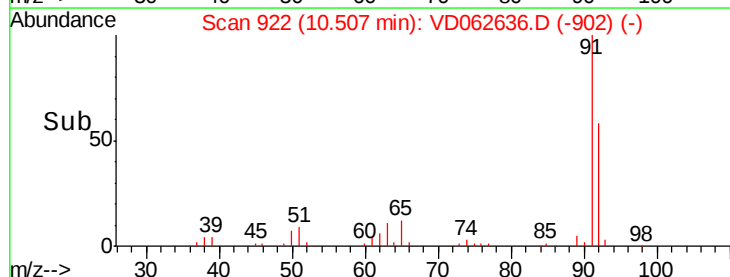
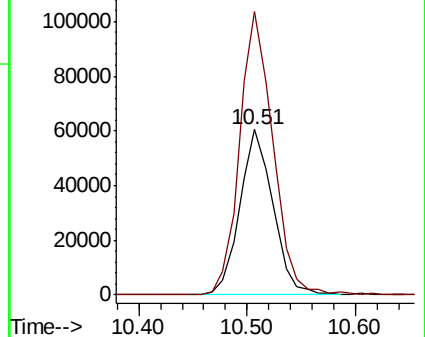
92 100

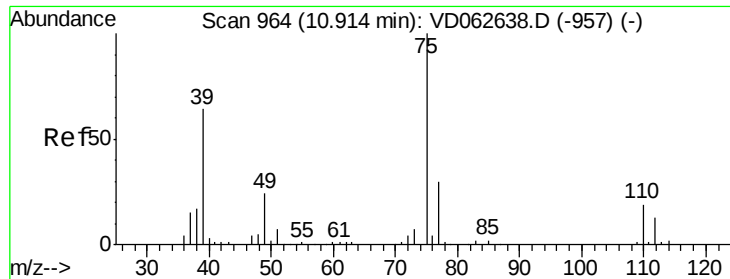
91 171.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

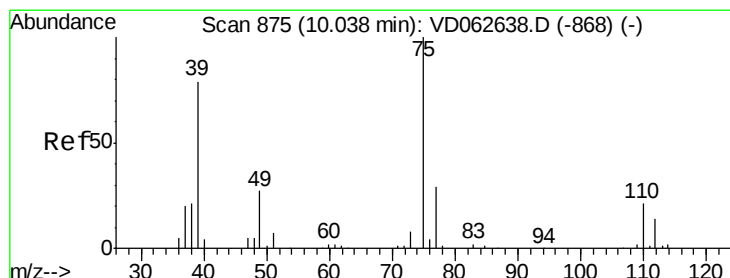
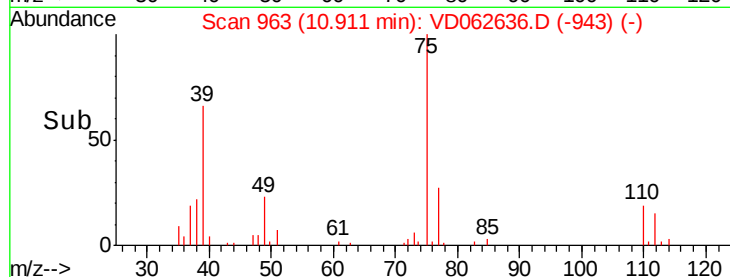
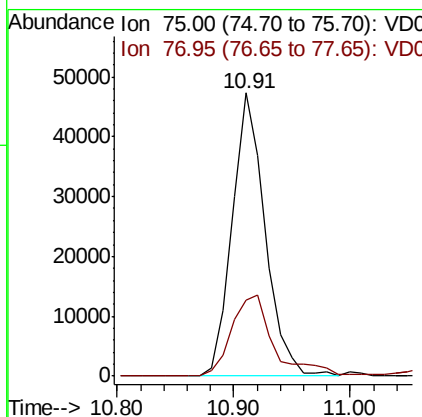
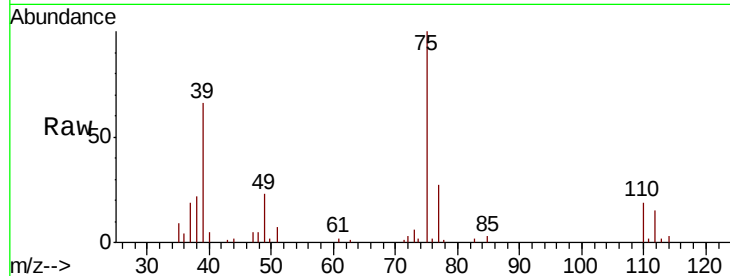




#53
 t-1,3-Dichloropropene
 Concen: 8.638 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

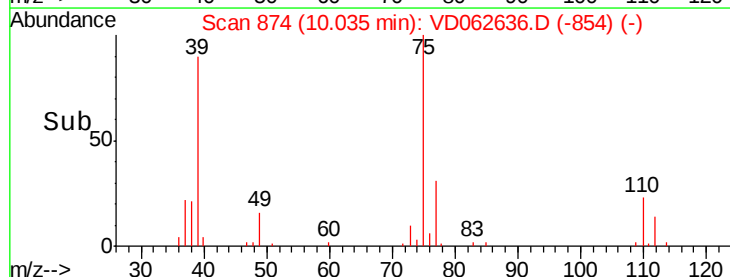
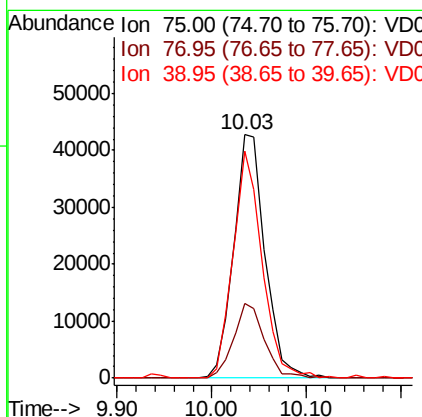
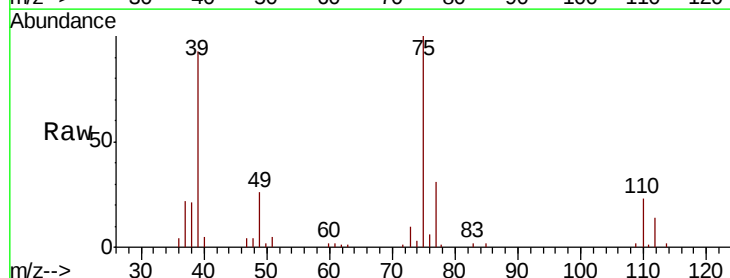
Instrument :
 MSVOA_D
 ClientSampleId :

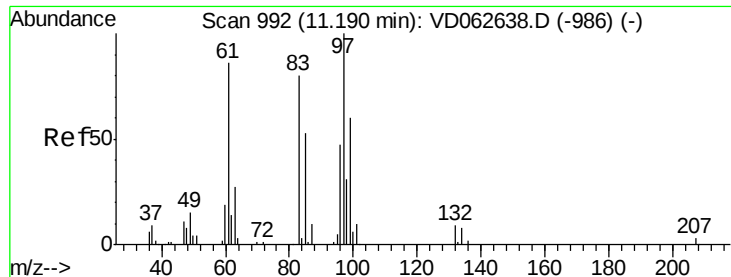
Tot Ion: 75 Resp: 92532
 Ion Ratio Lower Upper
 75 100
 77 26.9 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 8.820 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion: 75 Resp: 97759
 Ion Ratio Lower Upper
 75 100
 77 30.5 23.1 34.7
 39 93.5 63.4 95.2

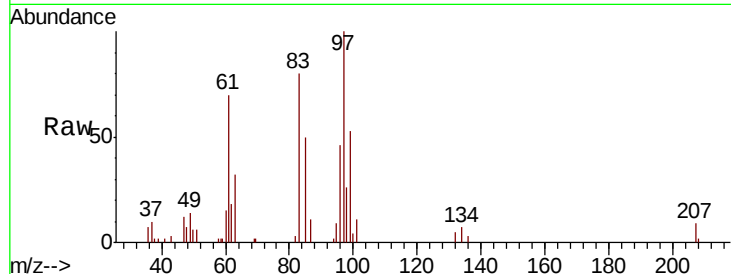




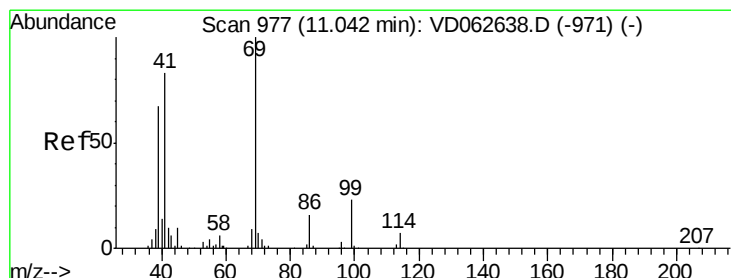
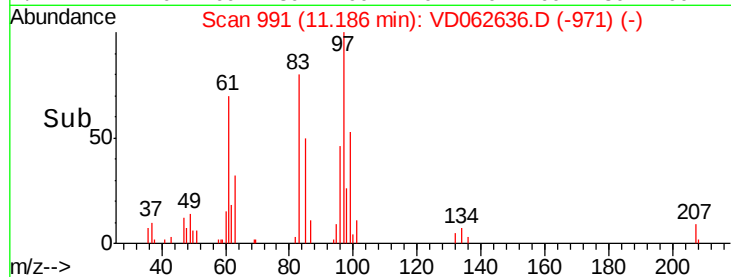
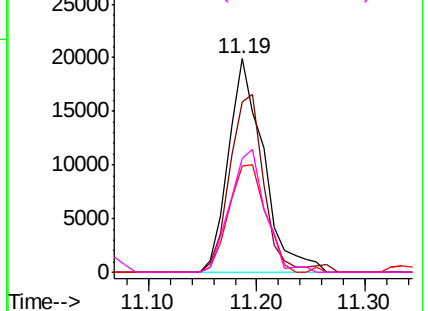
#55
1,1,2-Trichloroethane
Concen: 8.959 ug/l
RT: 11.19 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 45189
Ion Ratio Lower Upper
97 100
83 79.8 63.8 95.8
85 49.7 42.3 63.5
99 53.2 48.0 72.0

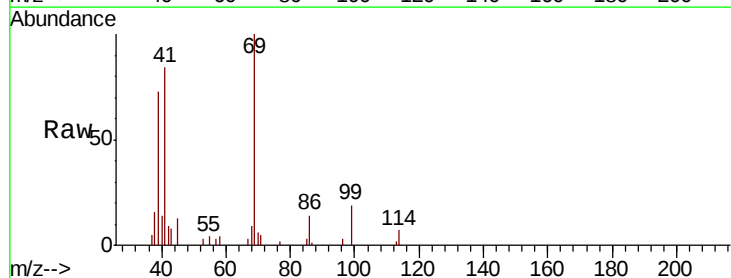


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

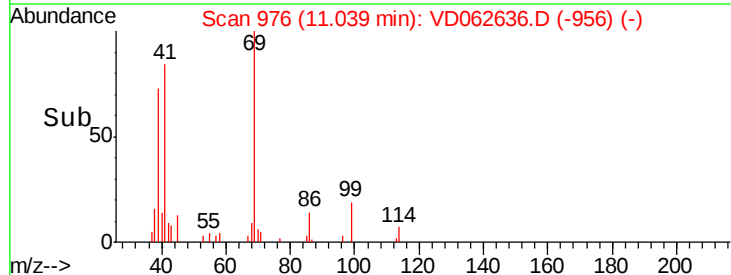
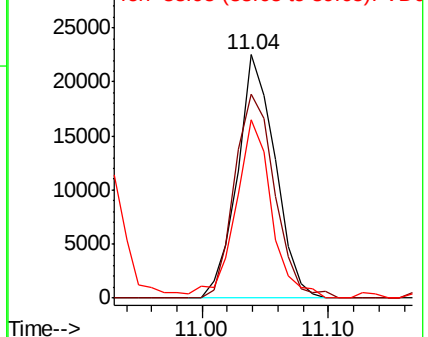


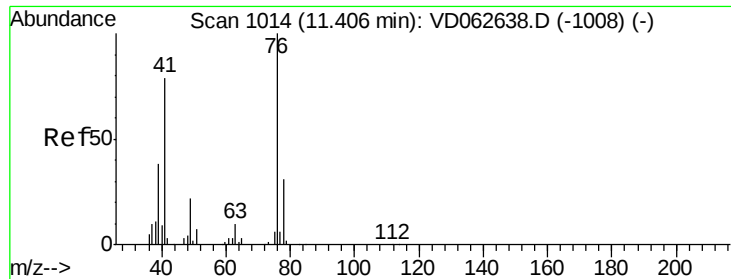
#56
Ethyl methacrylate
Concen: 8.438 ug/l
RT: 11.04 min Scan# 976
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 69 Resp: 46524
Ion Ratio Lower Upper
69 100
41 83.6 66.2 99.4
39 73.3 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: 8.841 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

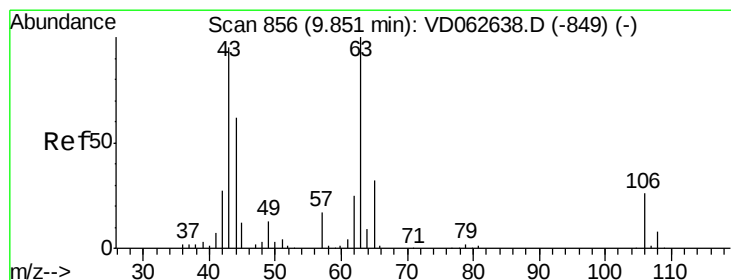
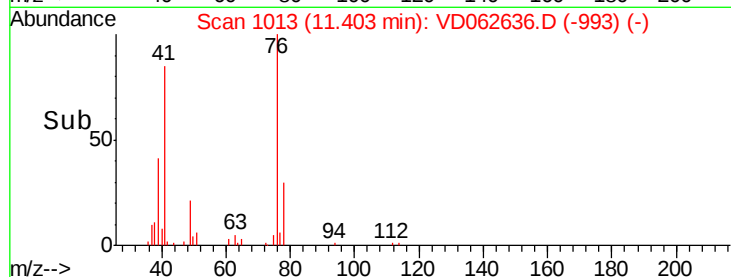
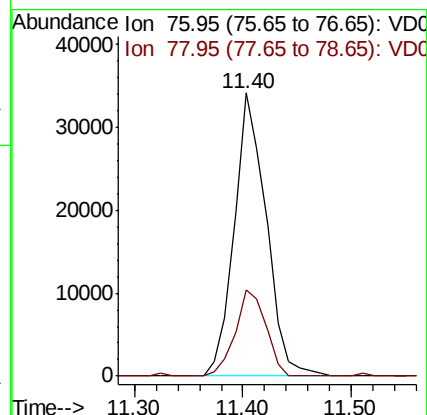
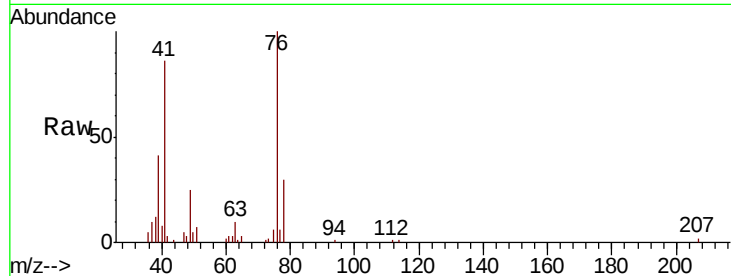
ClientSampleId :

Tot Ion: 76 Resp: 70136

Ion Ratio Lower Upper

76 100

78 30.4 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 45.879 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD062636.D

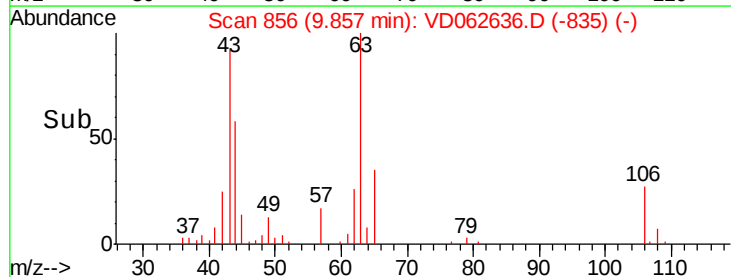
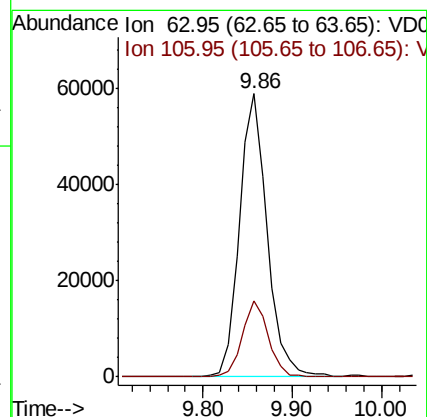
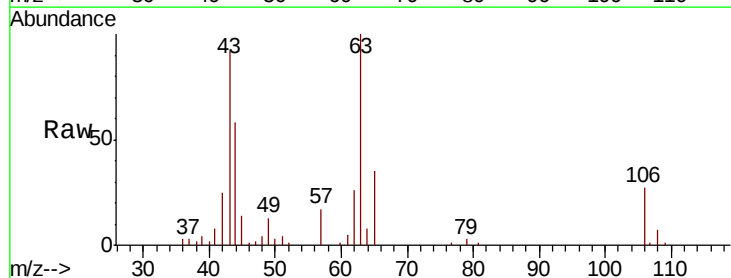
Acq: 7 Jun 2019 11:20

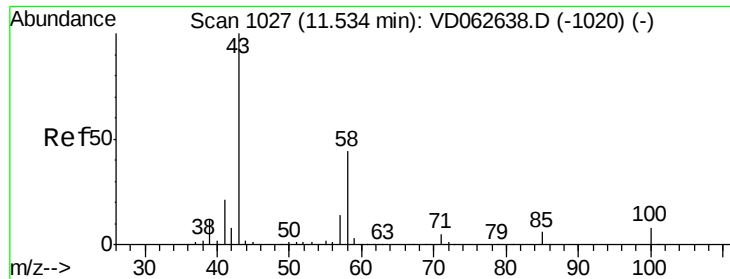
Tgt Ion: 63 Resp: 127134

Ion Ratio Lower Upper

63 100

106 26.8 20.5 30.7

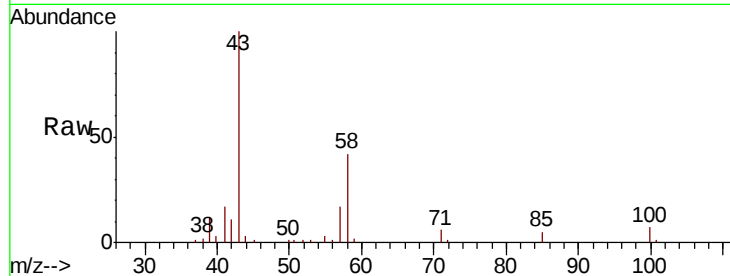




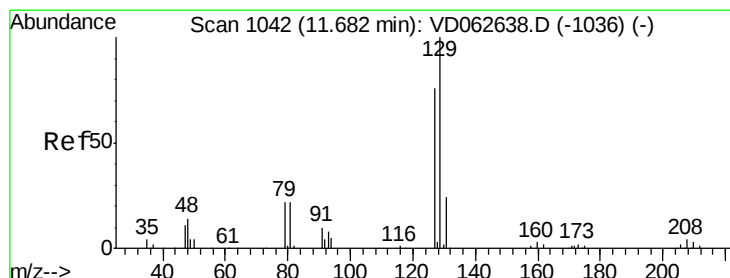
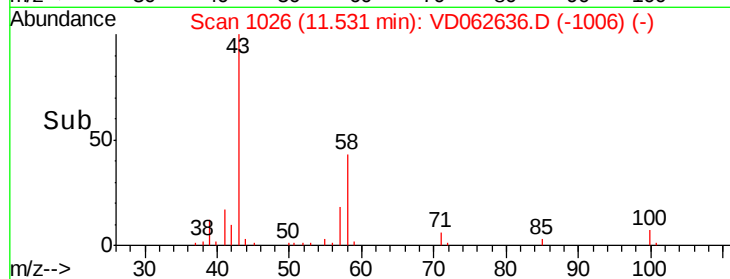
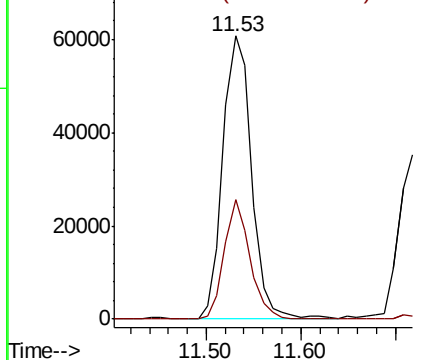
#59
2-Hexanone
Concen: 40.411 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 128052
Ion Ratio Lower Upper
43 100
58 42.3 21.8 65.4

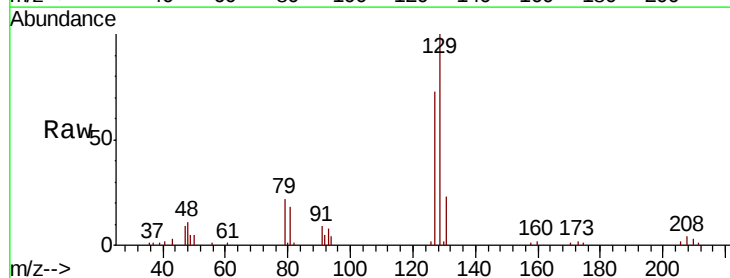


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

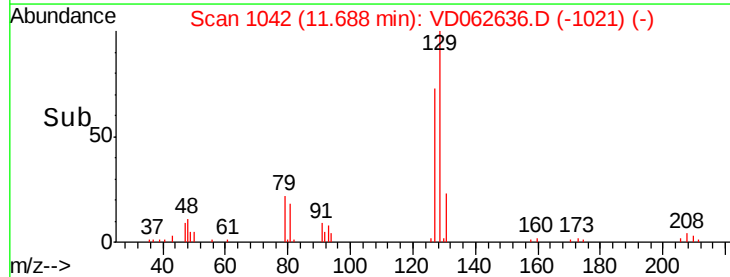
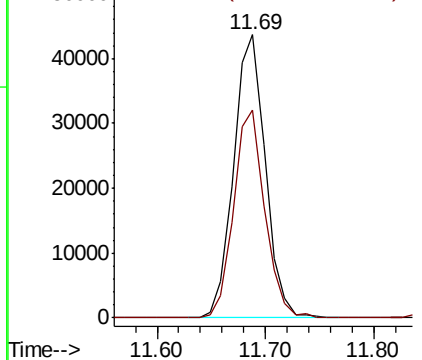


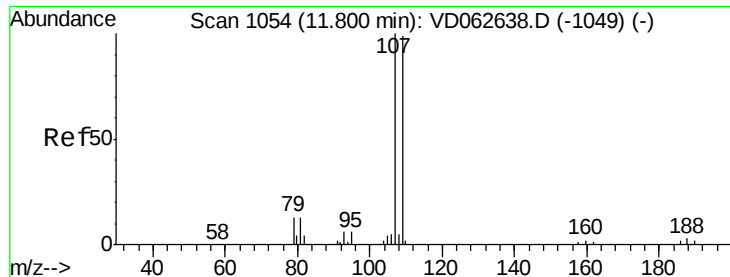
#60
Dibromochloromethane
Concen: 8.841 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 129 Resp: 88576
Ion Ratio Lower Upper
129 100
127 73.4 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 8.836 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

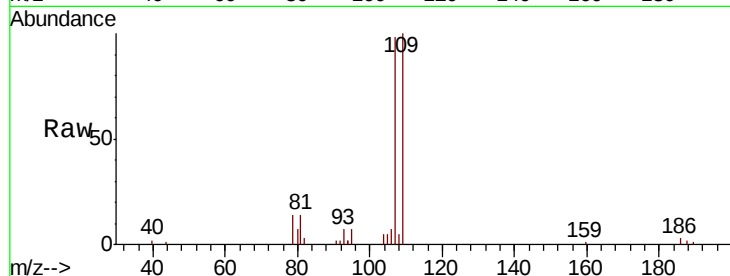
ClientSampleId :

Tot Ion:107 Resp: 54052

Ion Ratio Lower Upper

107 100

109 101.9 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

30000

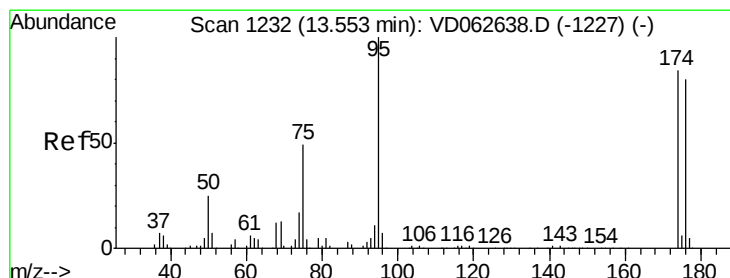
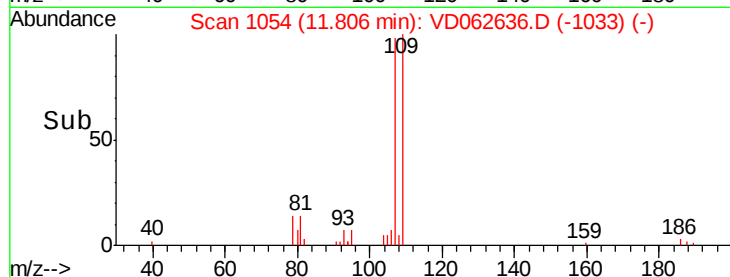
20000

10000

0

Time--> 11.70 11.80 11.90

11.81



#62

4-Bromofluorobenzene

Concen: 8.475 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

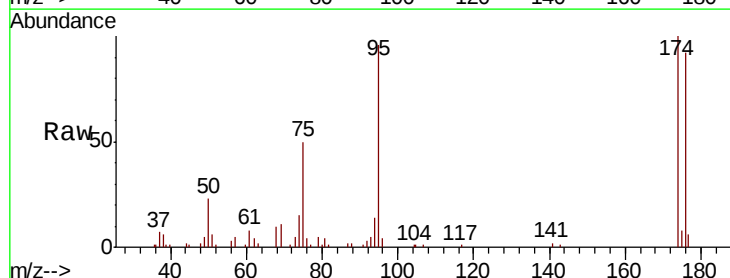
Tgt Ion: 95 Resp: 87827

Ion Ratio Lower Upper

95 100

174 104.5 0.0 167.0

176 96.1 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

80000

60000

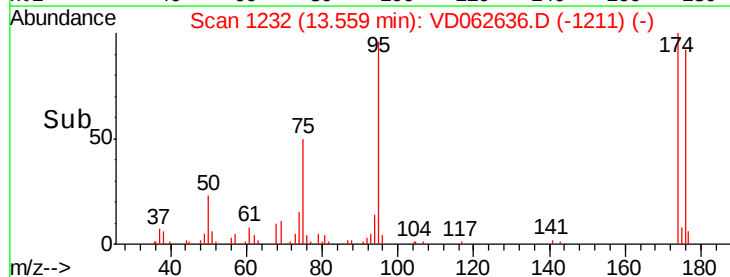
40000

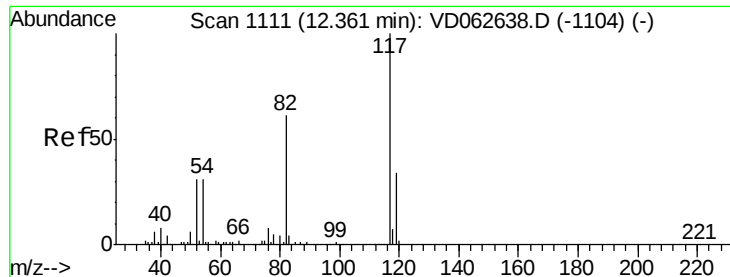
20000

0

Time--> 13.50 13.55 13.60

13.56

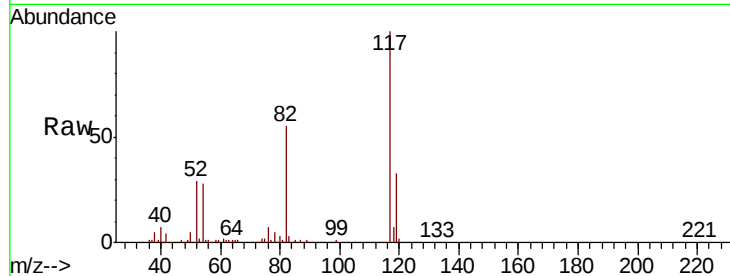




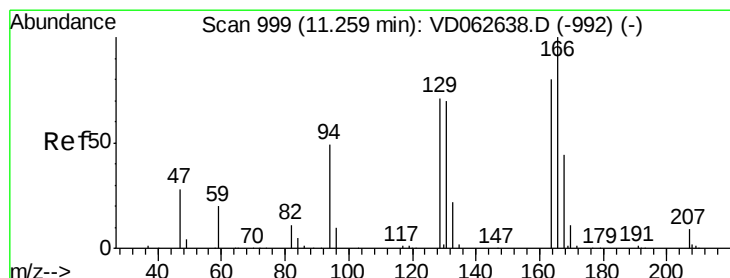
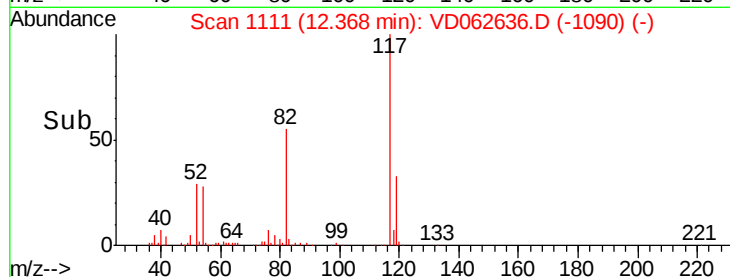
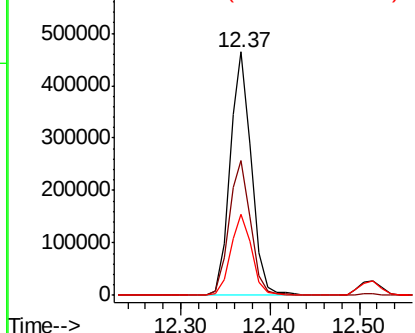
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 780949
Ion Ratio Lower Upper
117 100
82 55.4 48.7 73.1
119 33.3 27.0 40.6

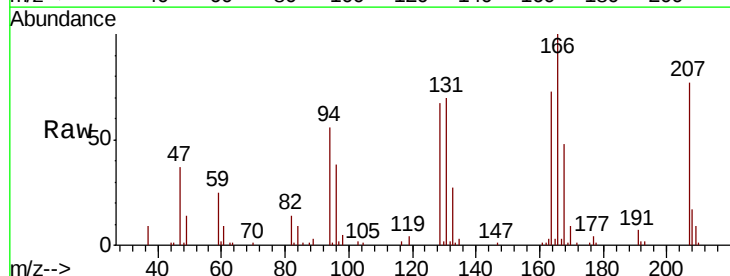


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

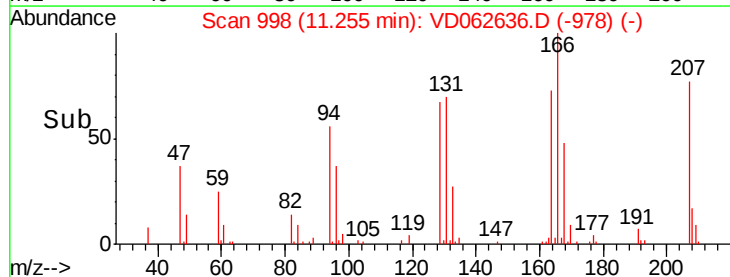
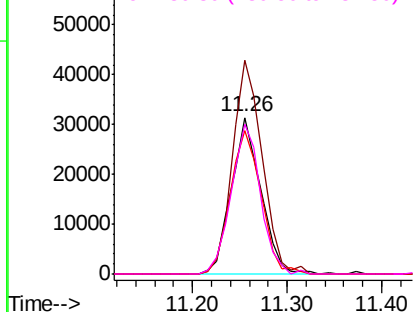


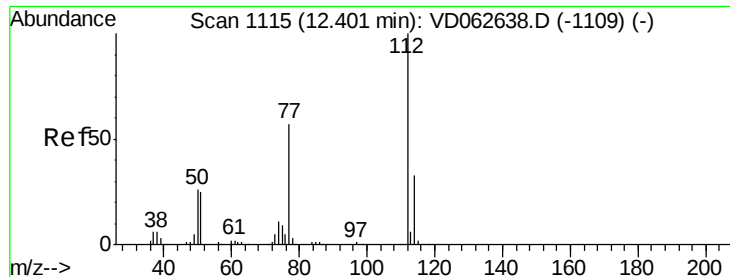
#64
Tetrachloroethene
Concen: 9.179 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:164 Resp: 68054
Ion Ratio Lower Upper
164 100
166 136.6 99.4 149.2
129 91.7 70.2 105.4
131 95.9 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

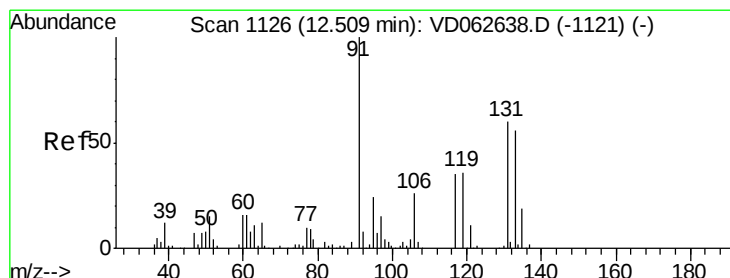
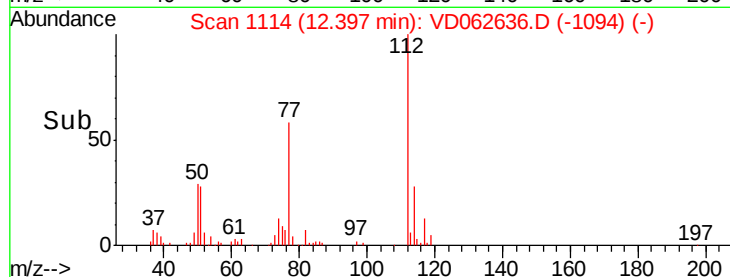
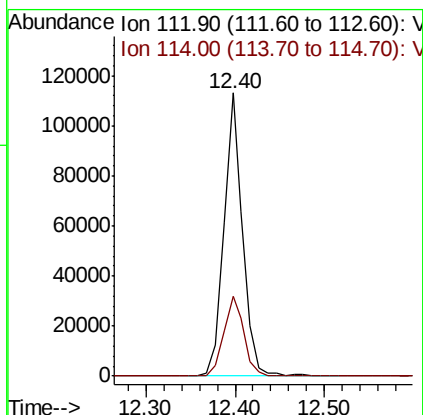
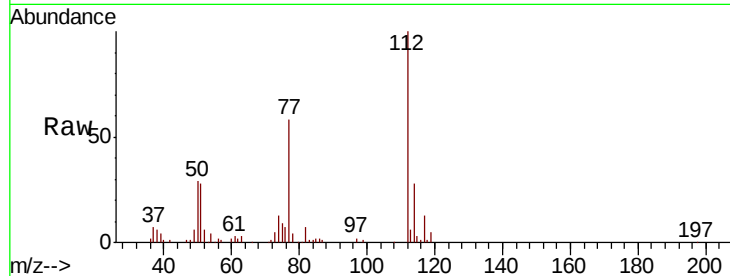




#65
Chlorobenzene
Concen: 9.506 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

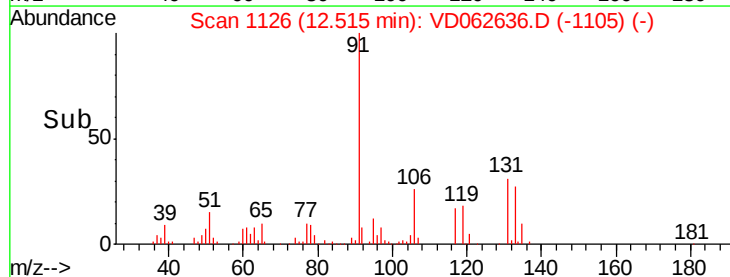
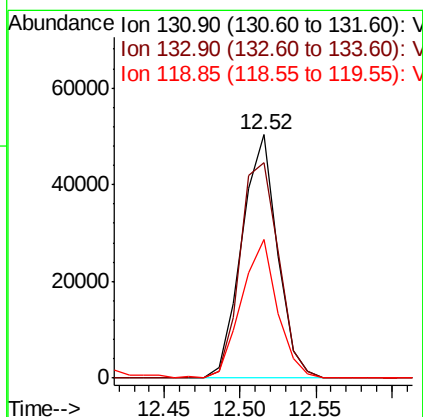
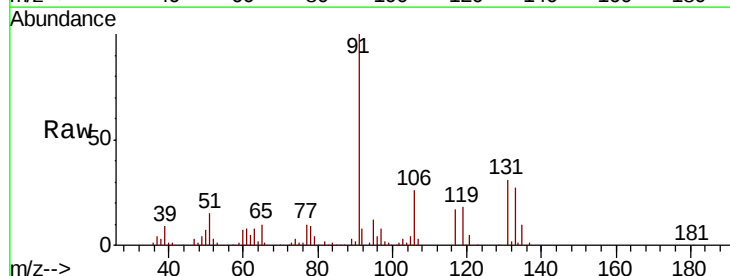
Instrument :
MSVOA_D
ClientSampleId :

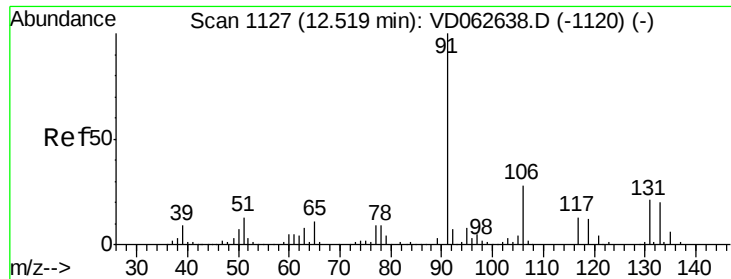
Tot Ion:112 Resp: 166314
Ion Ratio Lower Upper
112 100
114 28.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 9.840 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:131 Resp: 82488
Ion Ratio Lower Upper
131 100
133 88.6 46.8 140.3
119 57.0 29.9 89.8

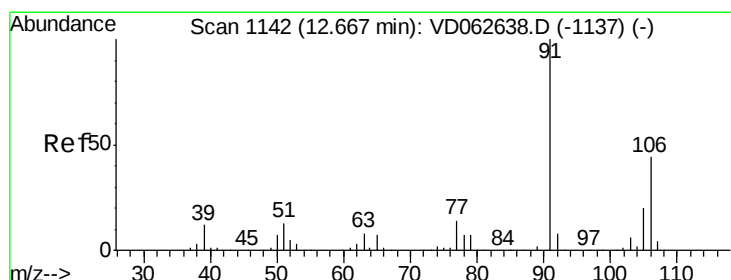
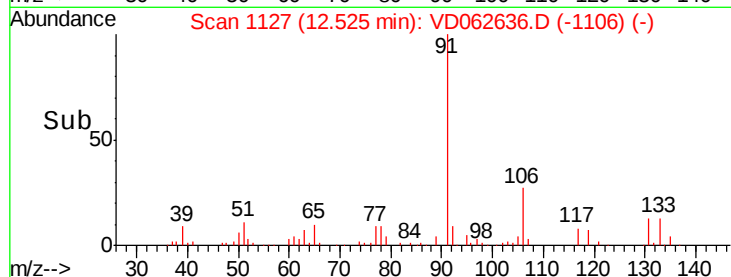
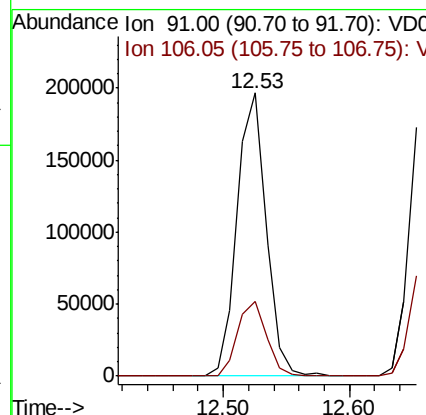
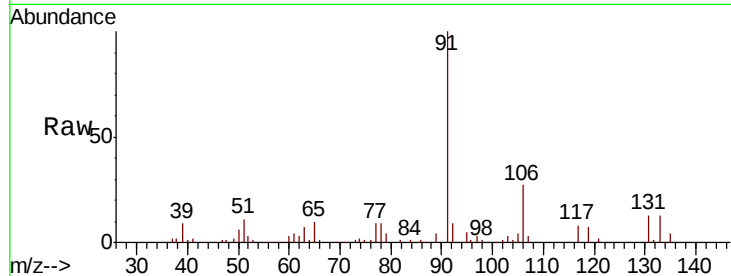




#67
Ethyl Benzene
Concen: 10.030 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

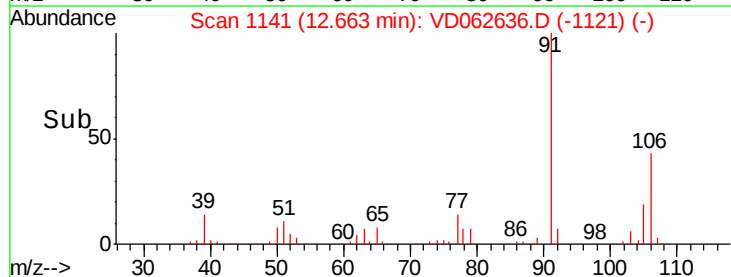
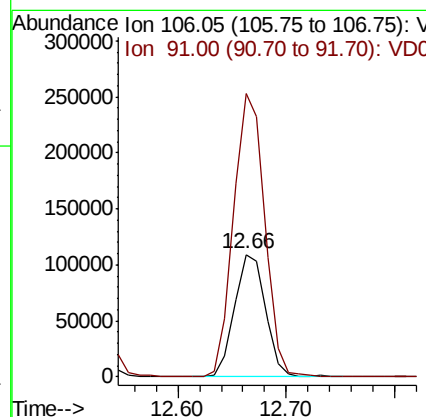
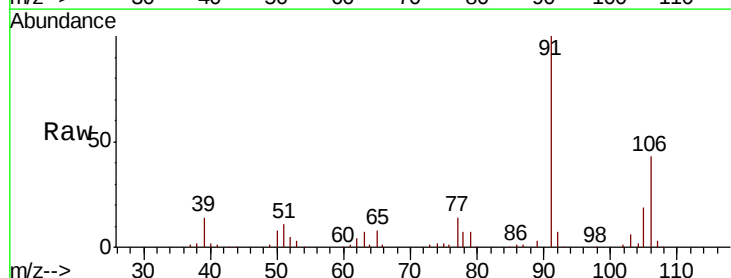
Instrument :
MSVOA_D
ClientSampled :

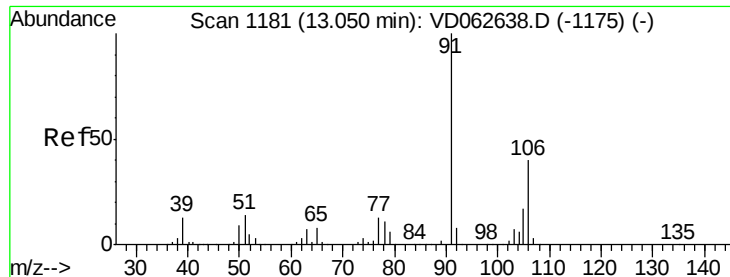
Tot Ion: 91 Resp: 311974
Ion Ratio Lower Upper
91 100
106 26.5 22.1 33.1



#68
m/p-Xylenes
Concen: 19.977 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion: 106 Resp: 218009
Ion Ratio Lower Upper
106 100
91 231.2 180.2 270.4

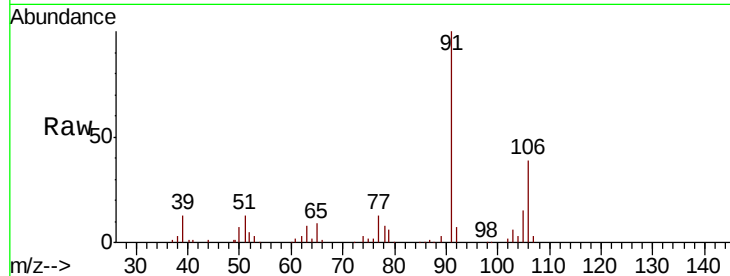




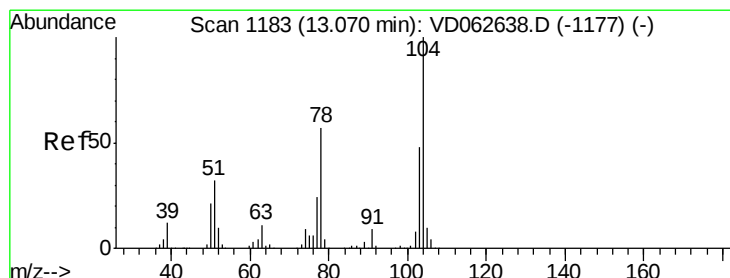
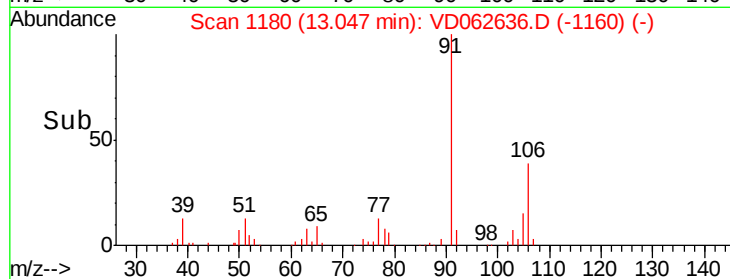
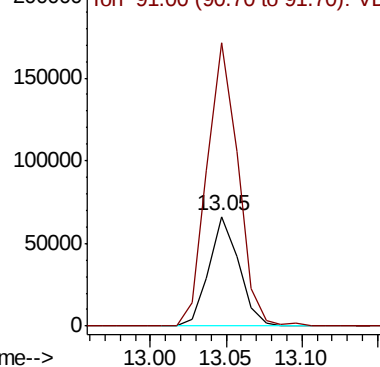
#69
o-Xylene
Concen: 8.924 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 91413
Ion Ratio Lower Upper
106 100
91 257.5 124.1 372.1

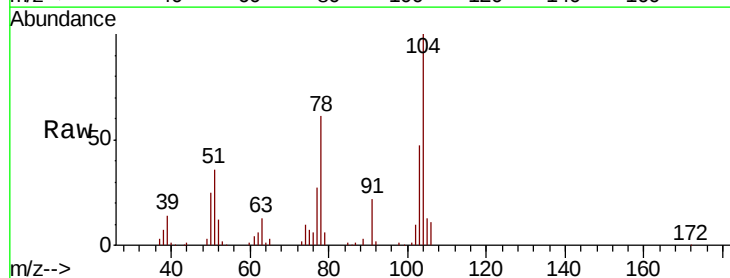


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

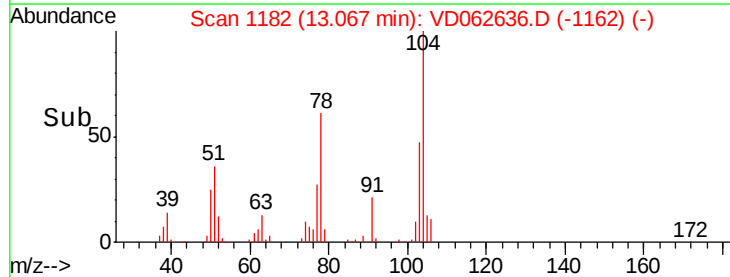
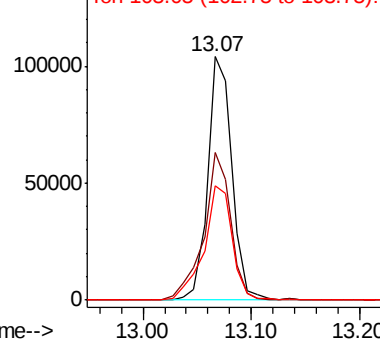


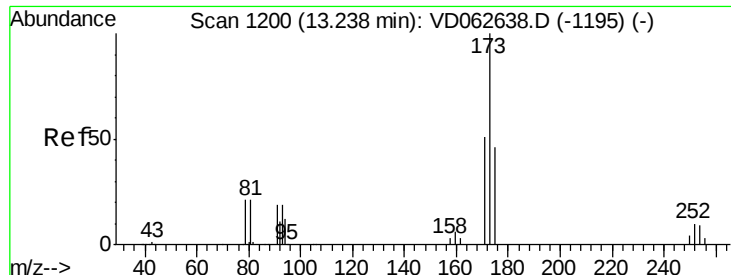
#70
Styrene
Concen: 8.798 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:104 Resp: 160688
Ion Ratio Lower Upper
104 100
78 60.9 45.9 68.9
103 46.9 38.4 57.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

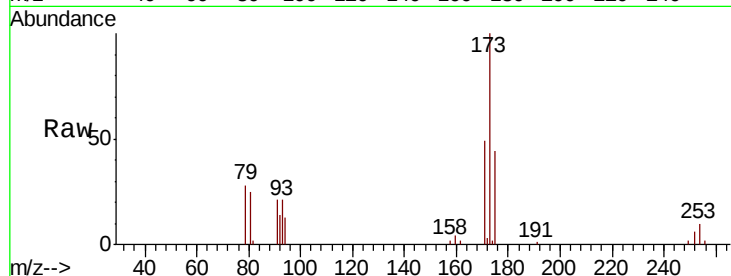




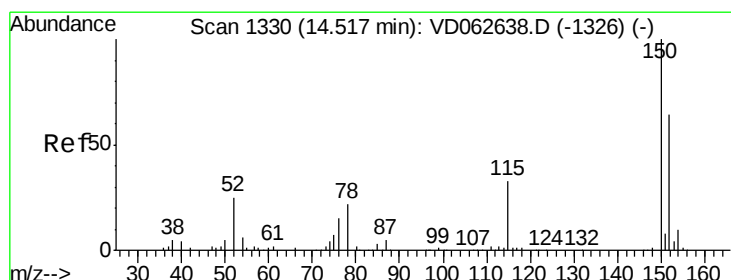
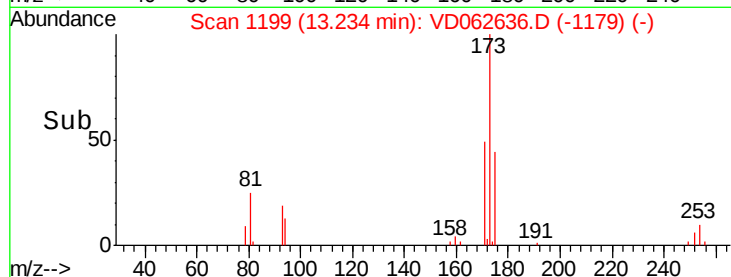
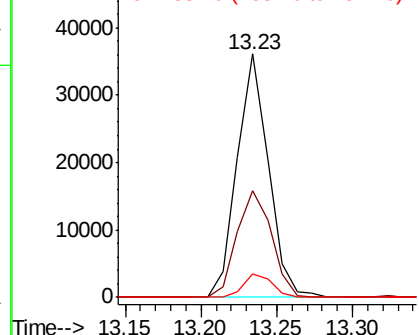
#71
Bromoform
Concen: 8.909 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 51911
Ion Ratio Lower Upper
173 100
175 43.7 22.9 68.7
254 9.9 7.0 10.4

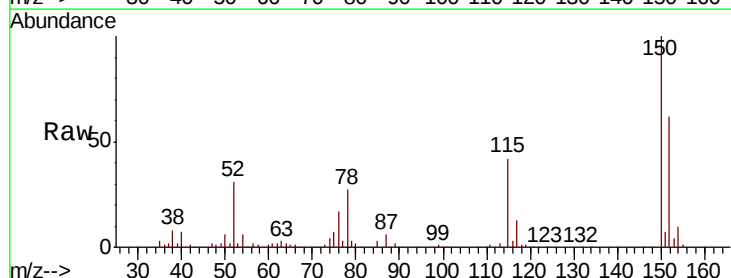


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

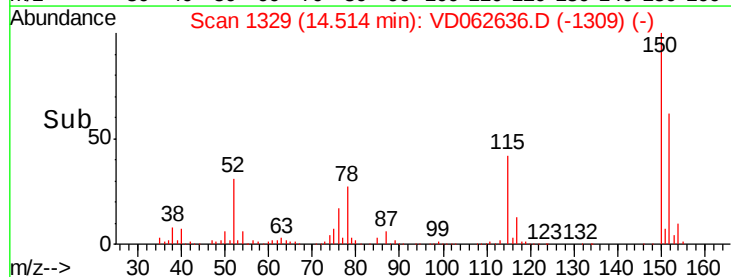
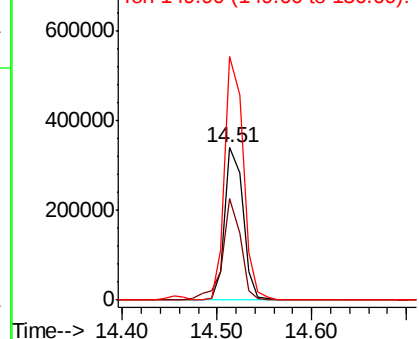


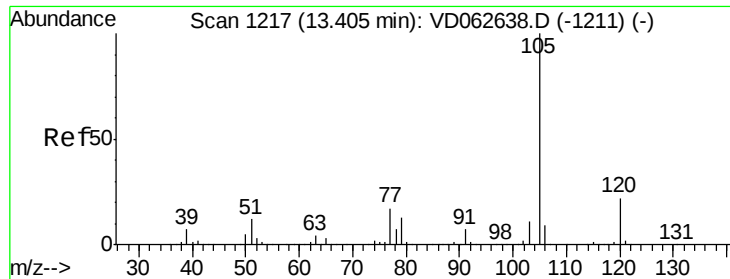
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:152 Resp: 455428
Ion Ratio Lower Upper
152 100
115 66.4 30.1 90.5
150 160.1 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: 8.976 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

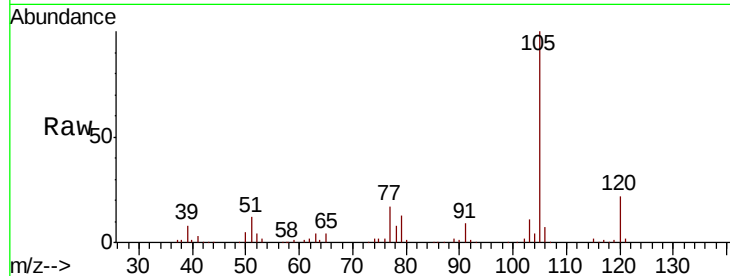
ClientSampleId :

Tot Ion:105 Resp: 297666

Ion Ratio Lower Upper

105 100

120 21.8 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

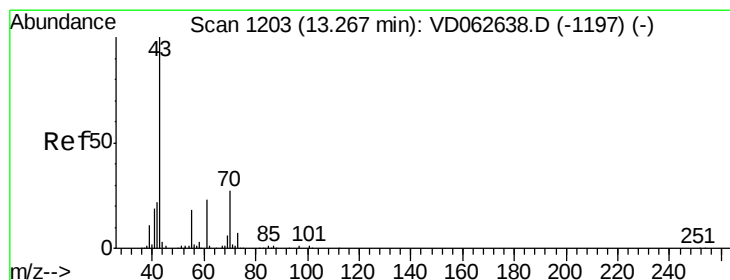
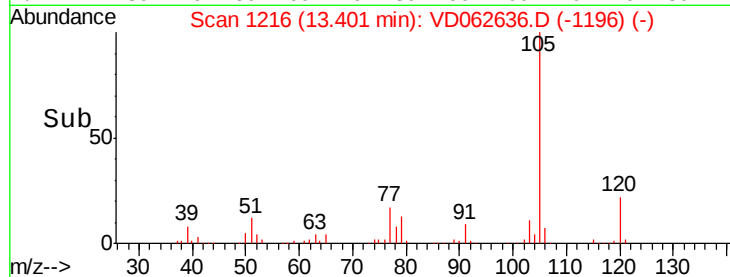
50000

0

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 8.390 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Tgt Ion: 43 Resp: 74909

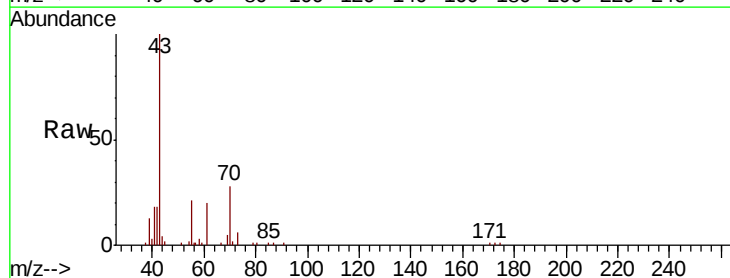
Ion Ratio Lower Upper

43 100

70 27.8 21.8 32.8

55 20.9 14.6 21.8

61 19.7 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

80000

60000

40000

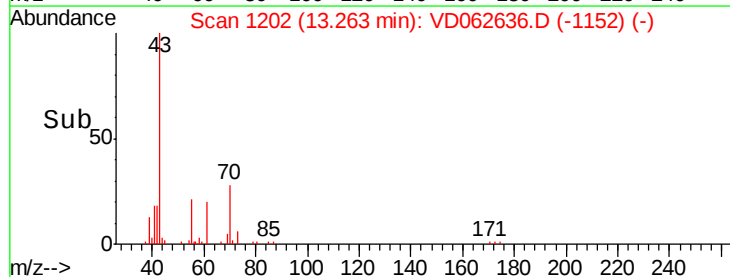
20000

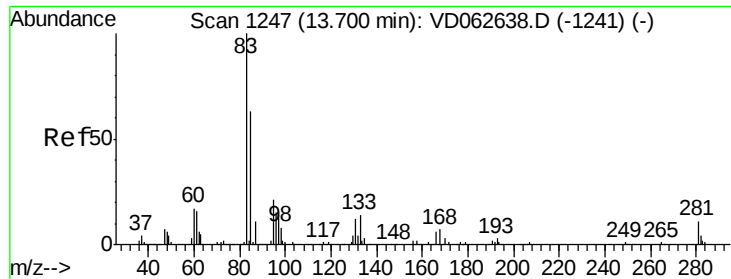
0

13.26

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 8.566 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

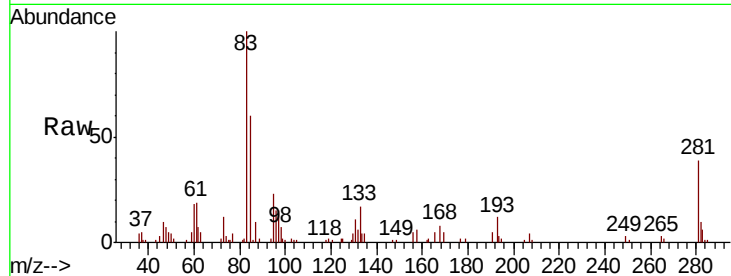
Tot Ion: 83 Resp: 48061

Ion Ratio Lower Upper

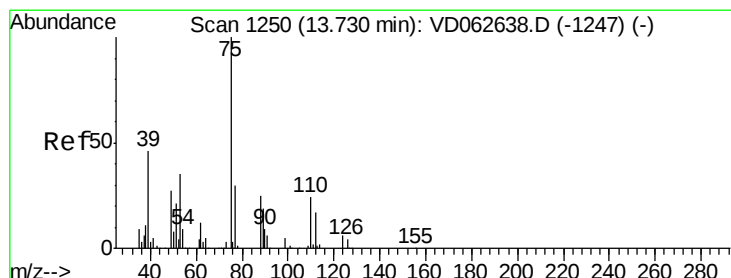
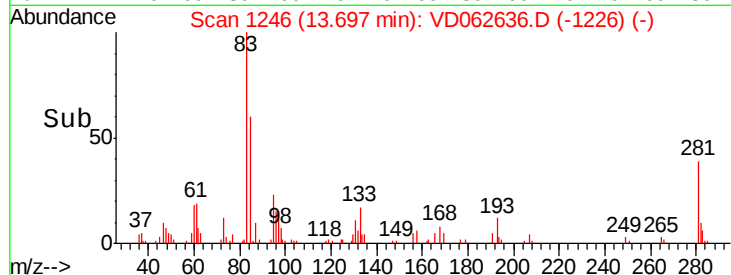
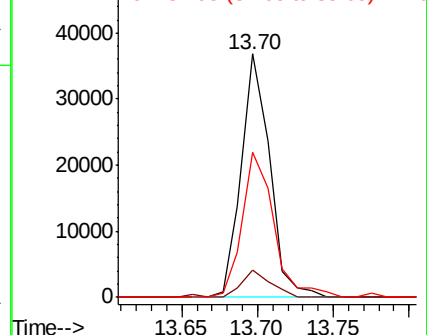
83 100

131 11.2 5.9 17.7

85 59.7 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: 8.404 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062636.D

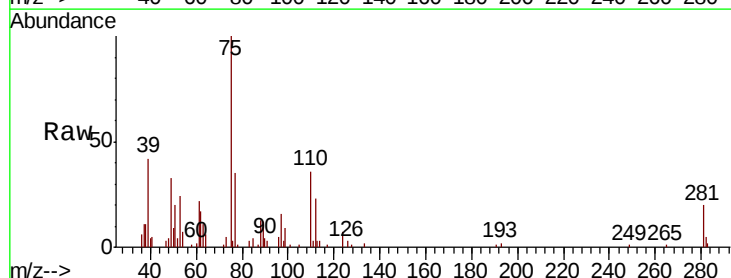
Acq: 7 Jun 2019 11:20

Tgt Ion: 75 Resp: 52804

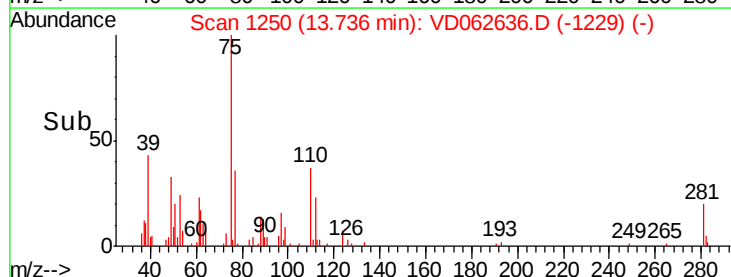
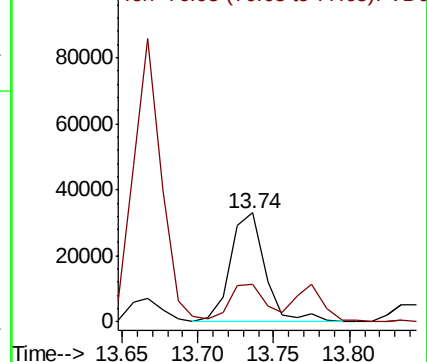
Ion Ratio Lower Upper

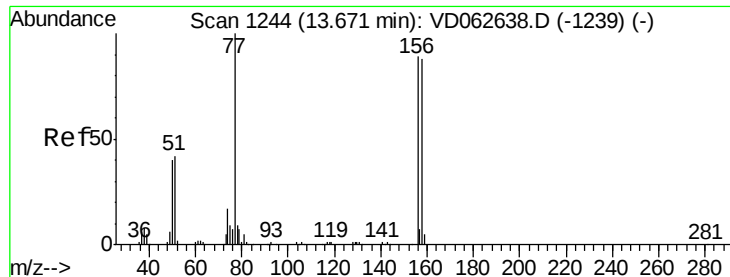
75 100

77 35.2 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: 9.231 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

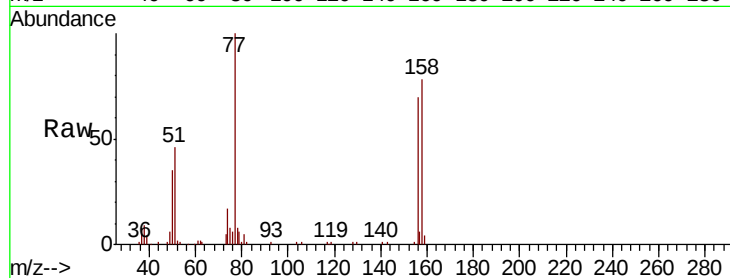
Tot Ion:156 Resp: 86125

Ion Ratio Lower Upper

156 100

77 142.7 56.3 168.8

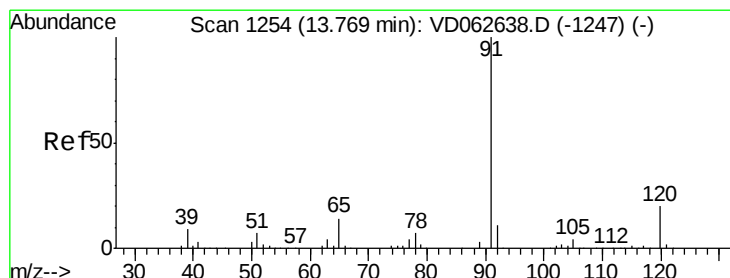
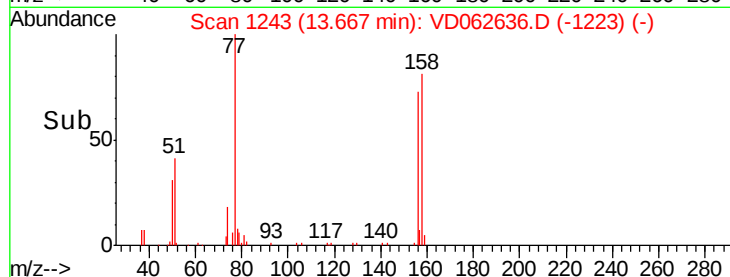
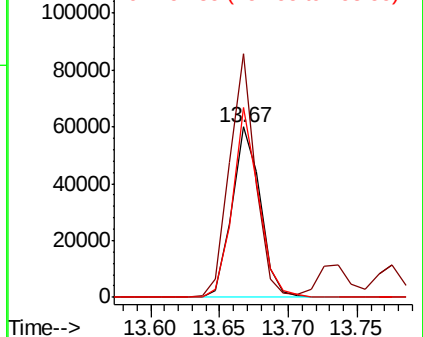
158 111.0 49.6 148.8



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: 9.351 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062636.D

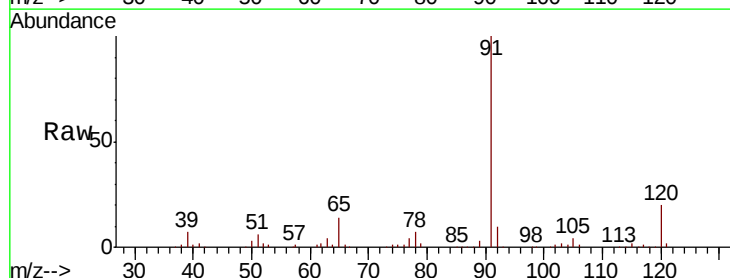
Acq: 7 Jun 2019 11:20

Tgt Ion: 91 Resp: 375376

Ion Ratio Lower Upper

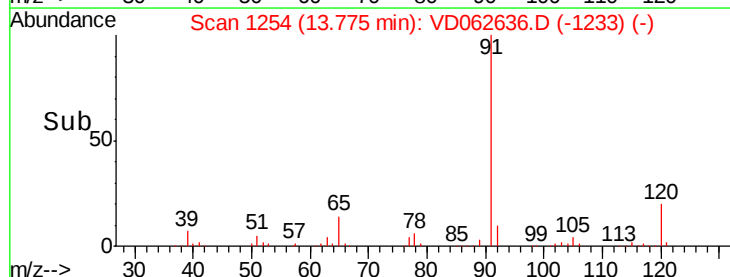
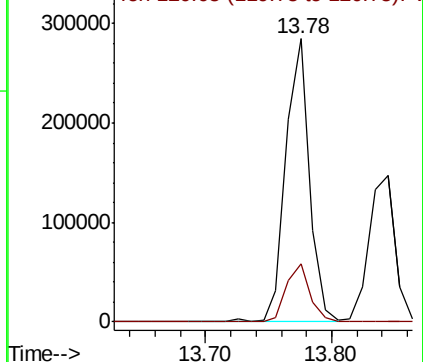
91 100

120 20.3 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: 8.953 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

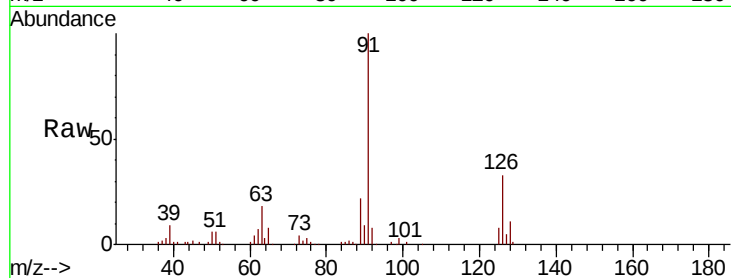
ClientSampleId :

Tot Ion: 91 Resp: 209691

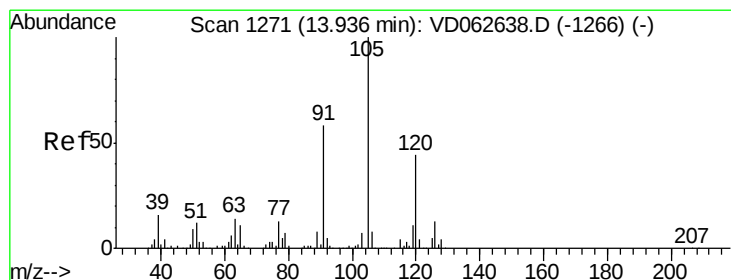
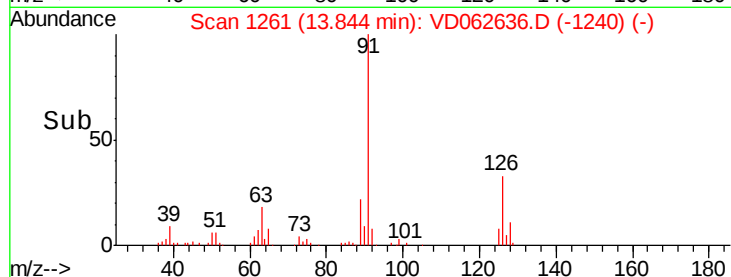
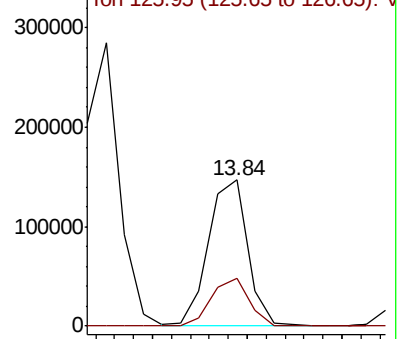
Ion Ratio Lower Upper

91 100

126 32.9 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062636.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 8.798 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062636.D

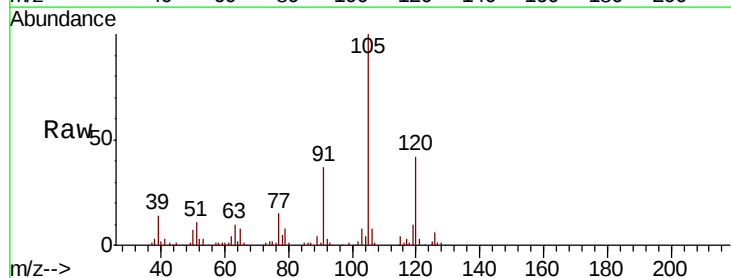
Acq: 7 Jun 2019 11:20

Tgt Ion: 105 Resp: 254638

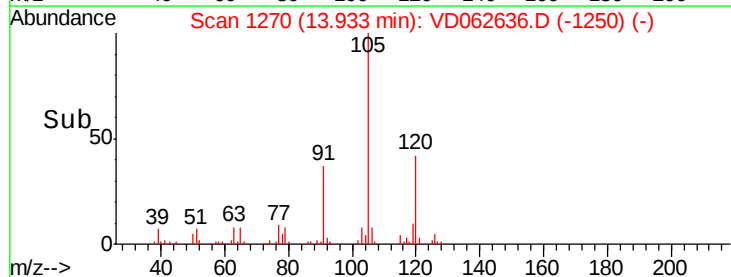
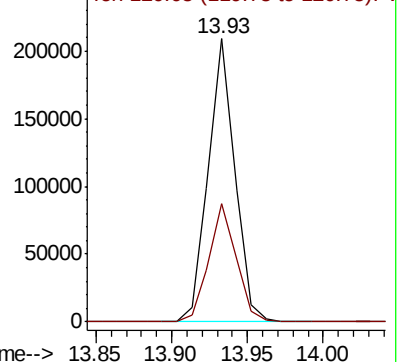
Ion Ratio Lower Upper

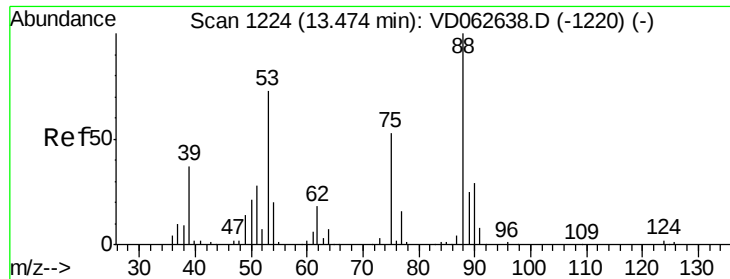
105 100

120 41.7 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062636.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 8.343 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

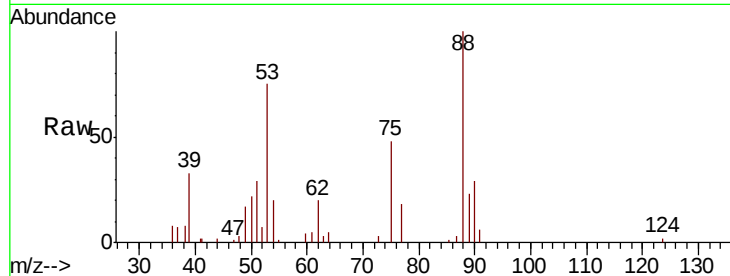
Tot Ion: 75 Resp: 13504

Ion Ratio Lower Upper

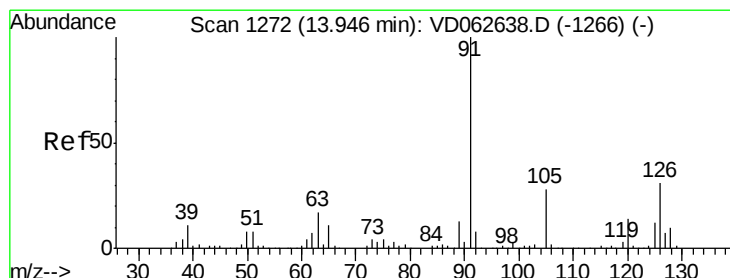
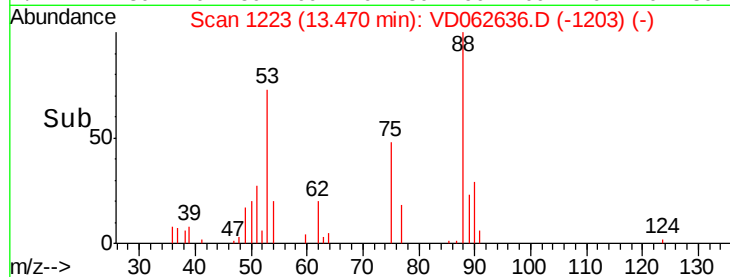
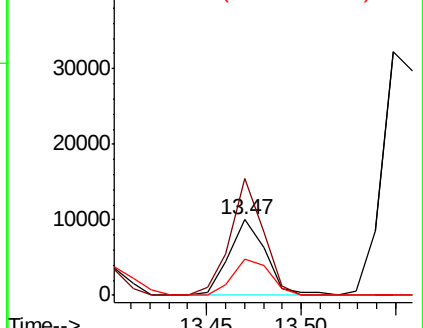
75 100

53 155.5 109.4 164.2

89 48.3 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 9.265 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062636.D

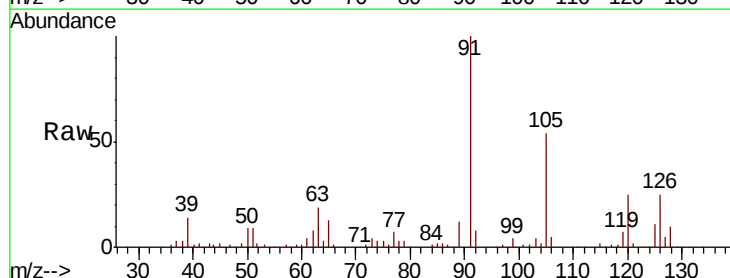
Acq: 7 Jun 2019 11:20

Tgt Ion: 91 Resp: 261068

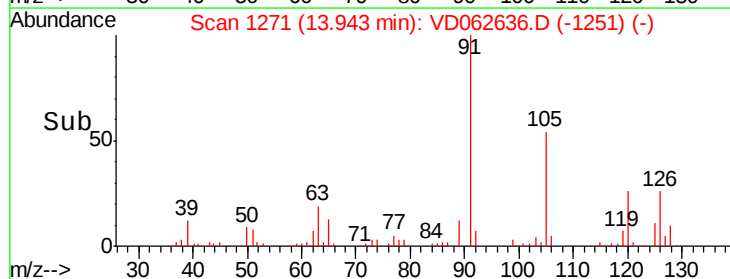
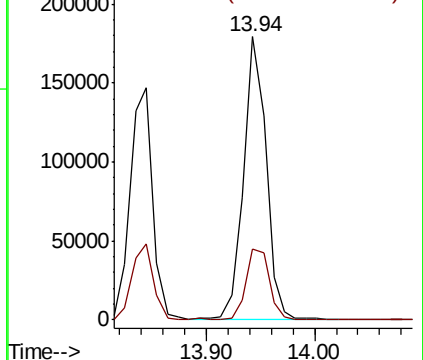
Ion Ratio Lower Upper

91 100

126 25.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 8.815 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

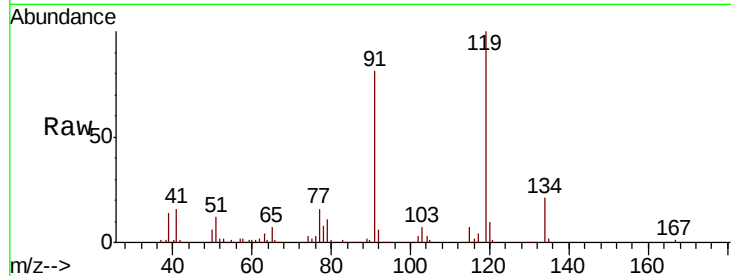
Tot Ion:119 Resp: 284631

Ion Ratio Lower Upper

119 100

91 81.1 35.4 106.1

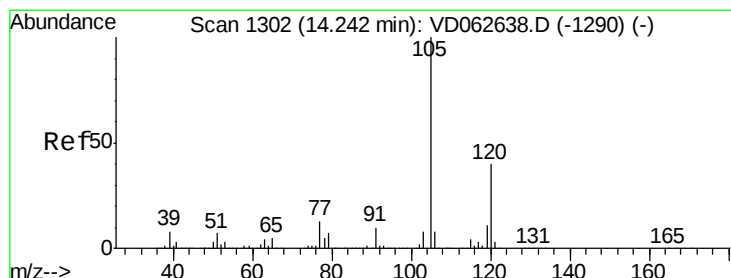
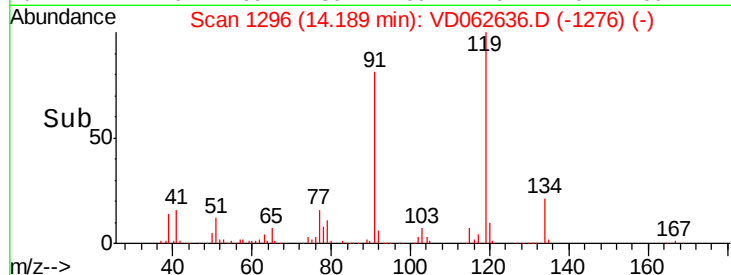
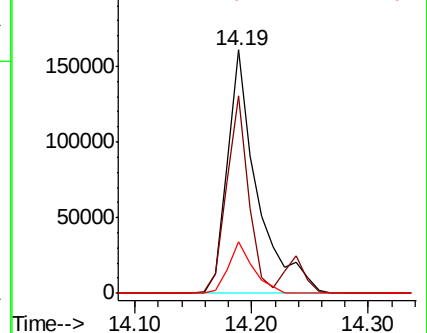
134 21.4 10.8 32.3



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: 9.278 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062636.D

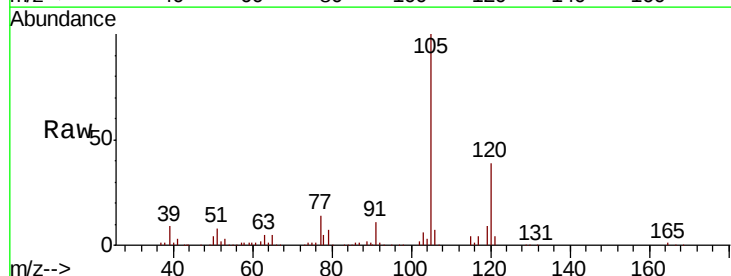
Acq: 7 Jun 2019 11:20

Tgt Ion:105 Resp: 269782

Ion Ratio Lower Upper

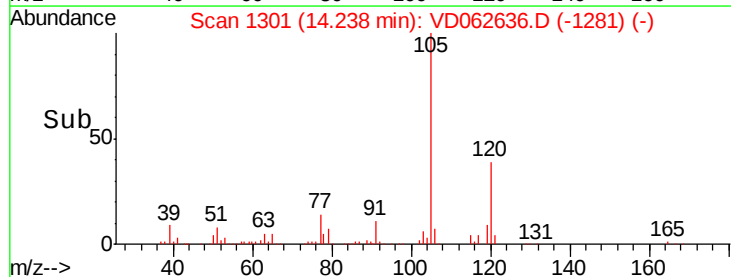
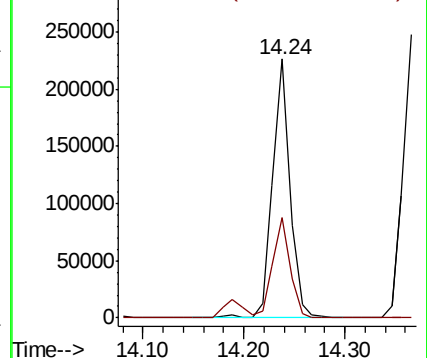
105 100

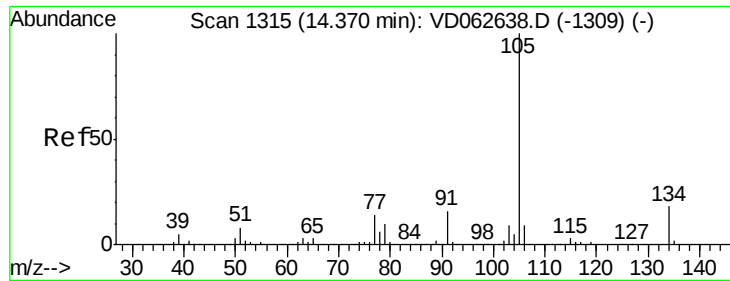
120 38.7 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

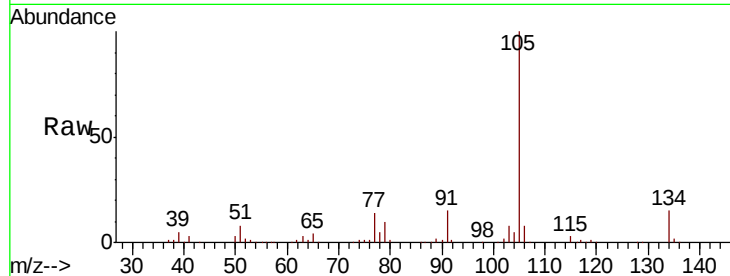




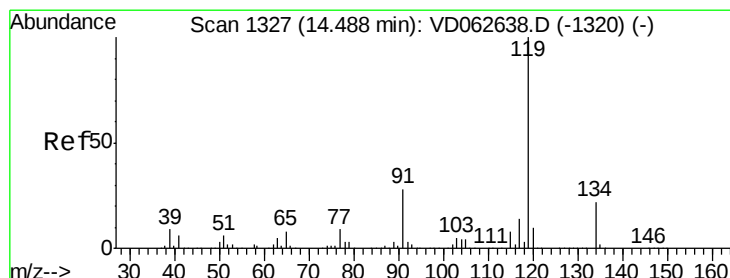
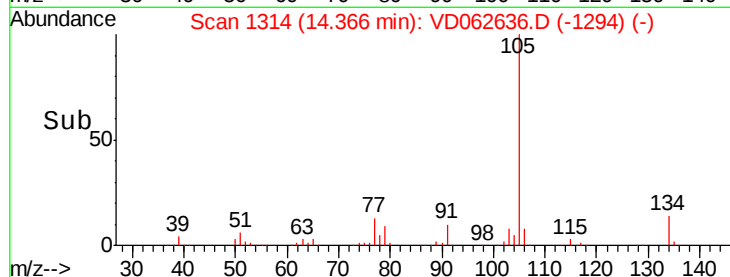
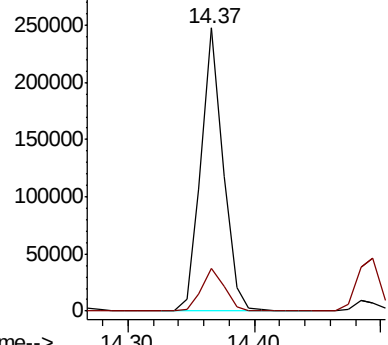
#85
 sec-Butylbenzene
 Concen: 8.965 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 301042
 Ion Ratio Lower Upper
 105 100
 134 15.0 8.8 26.2

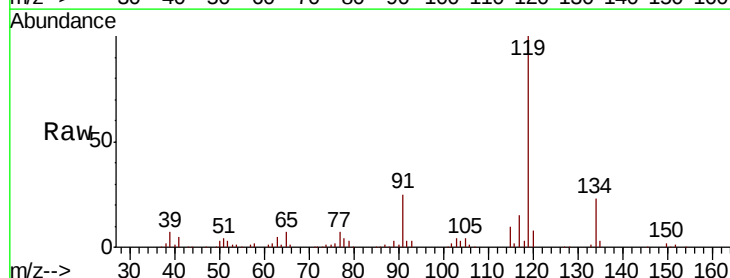


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

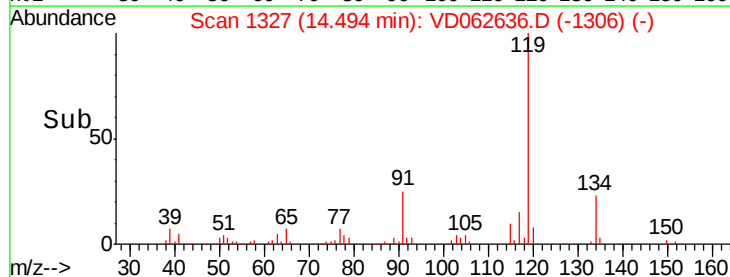
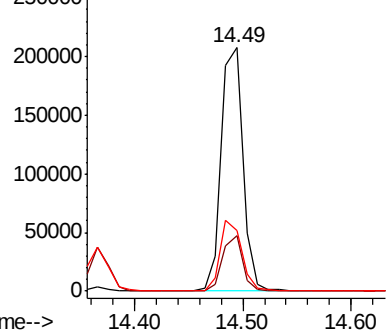


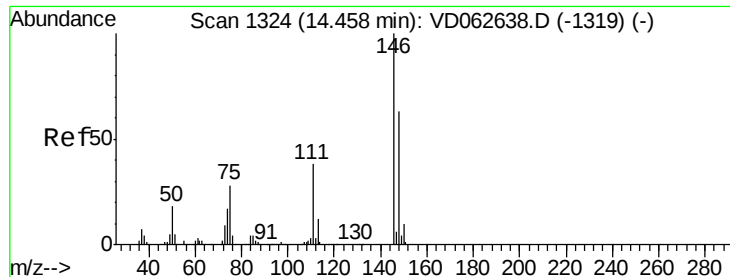
#86
 p-Isopropyltoluene
 Concen: 8.892 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:119 Resp: 289695
 Ion Ratio Lower Upper
 119 100
 134 22.5 10.9 32.6
 91 25.0 13.9 41.6



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

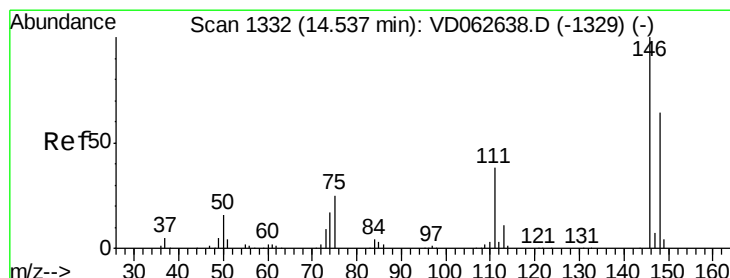
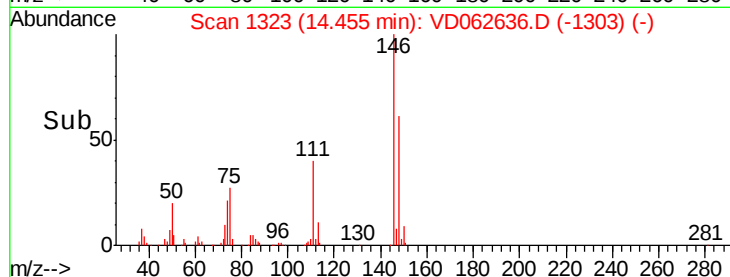
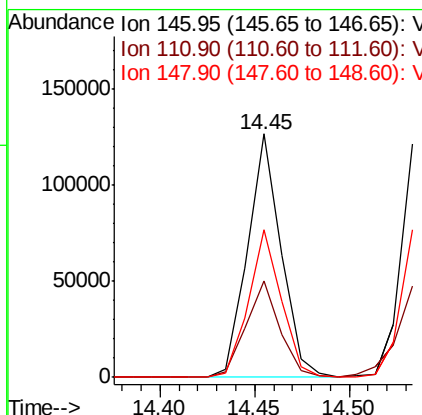
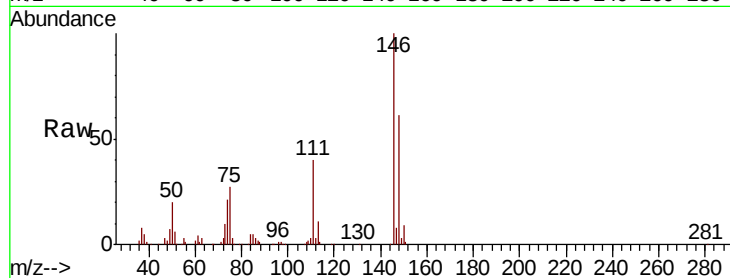




#87
 1,3-Dichlorobenzene
 Concen: 9.038 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

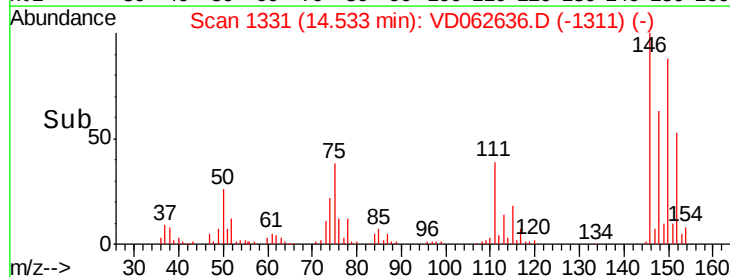
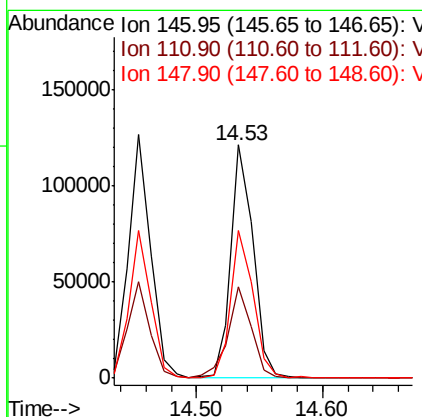
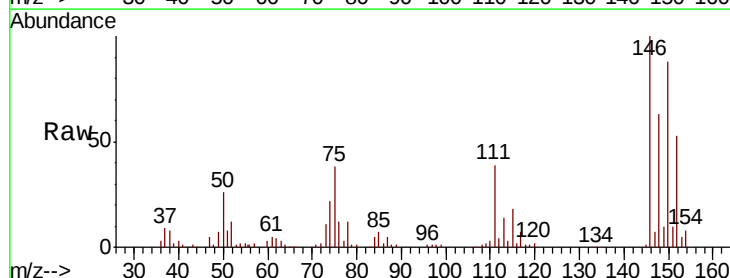
Instrument :
 MSVOA_D
 ClientSampleId :

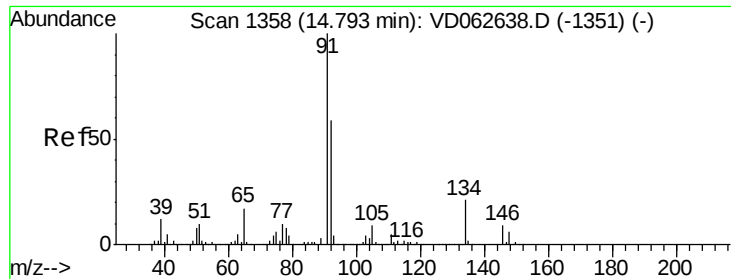
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.2	57.6
148	60.8	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 9.125 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.7
148	63.4	32.3	96.8





#89

n-Butylbenzene

Concen: 8.859 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

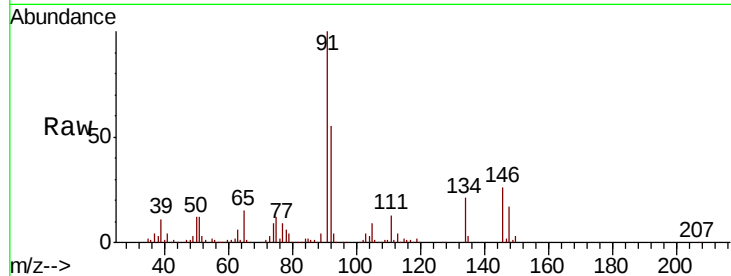
Tot Ion: 91 Resp: 262972

Ion	Ratio	Lower	Upper
91	100		
92	55.3	29.4	88.3
134	21.1	10.4	31.2

91 100

92 55.3 29.4 88.3

134 21.1 10.4 31.2

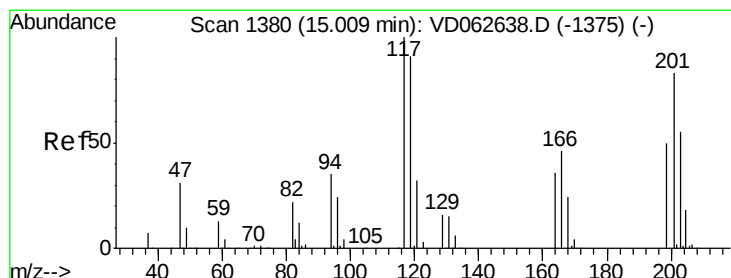
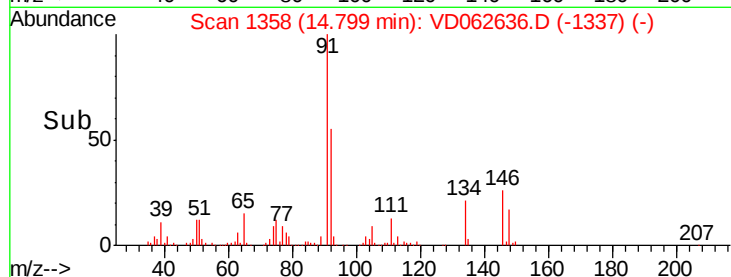
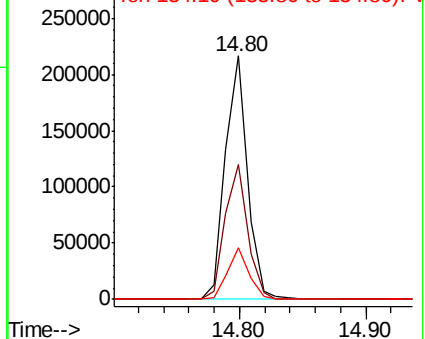


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 8.876 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062636.D

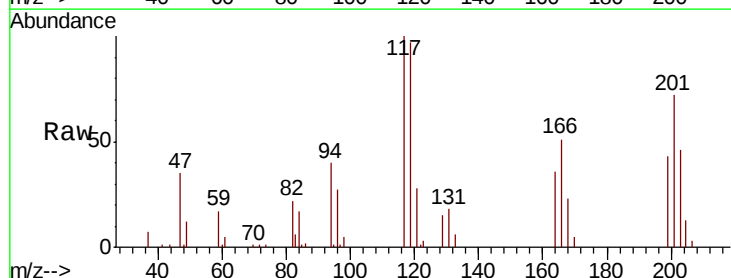
Acq: 7 Jun 2019 11:20

Tgt Ion: 117 Resp: 76171

Ion	Ratio	Lower	Upper
117	100		
201	71.7	41.5	124.6

117 100

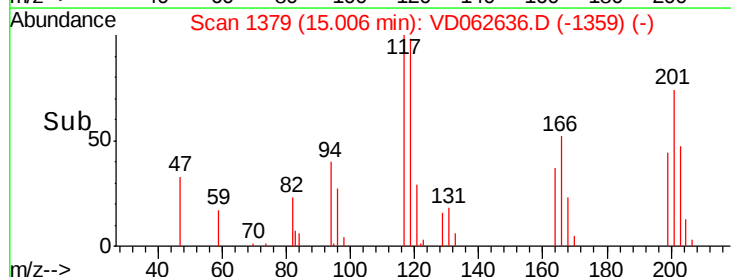
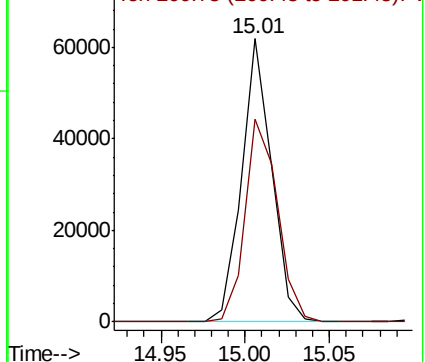
201 71.7 41.5 124.6

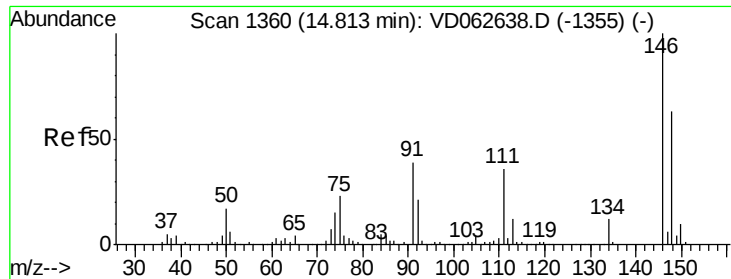


Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 9.131 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

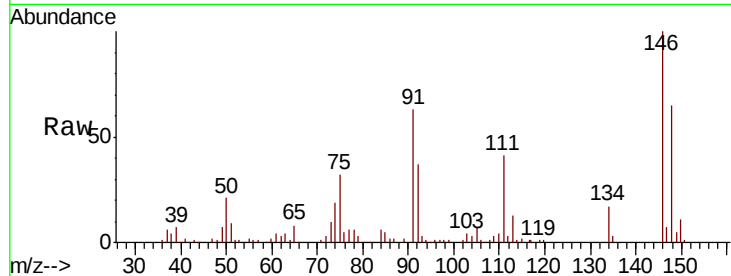
Tot Ion:146 Resp: 129507

Ion Ratio Lower Upper

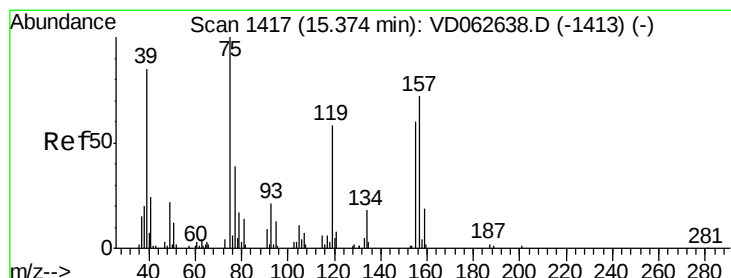
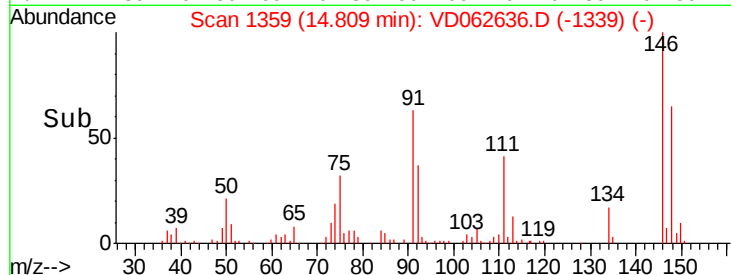
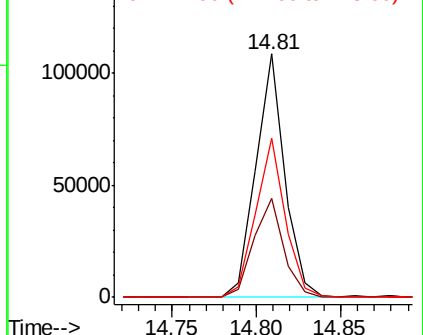
146 100

111 40.6 18.1 54.3

148 65.4 31.4 94.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.188 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD062636.D

Acq: 7 Jun 2019 11:20

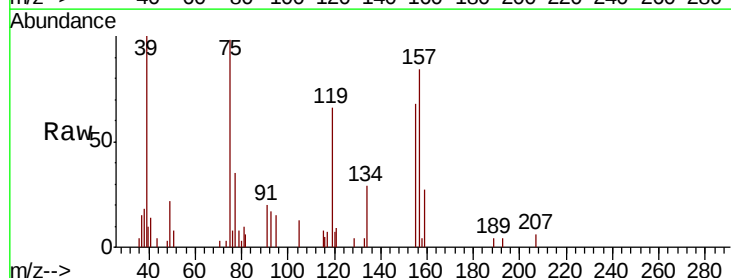
Tgt Ion: 75 Resp: 10145

Ion Ratio Lower Upper

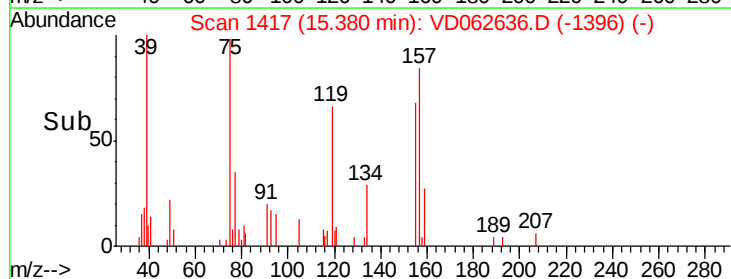
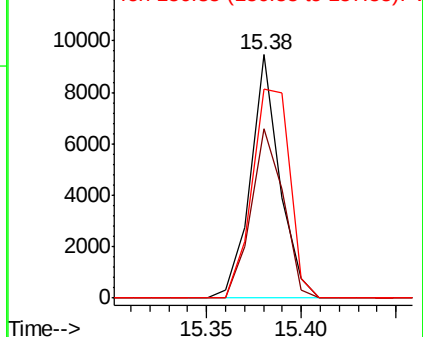
75 100

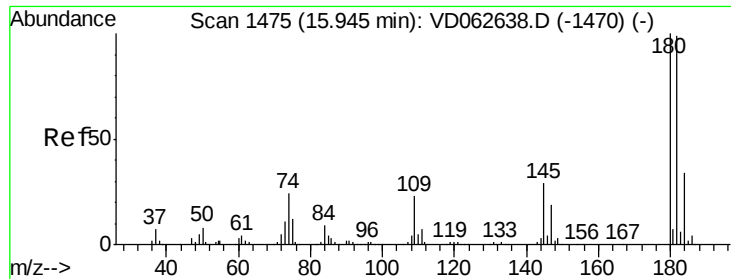
155 69.5 30.1 90.5

157 85.7 35.9 107.8



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

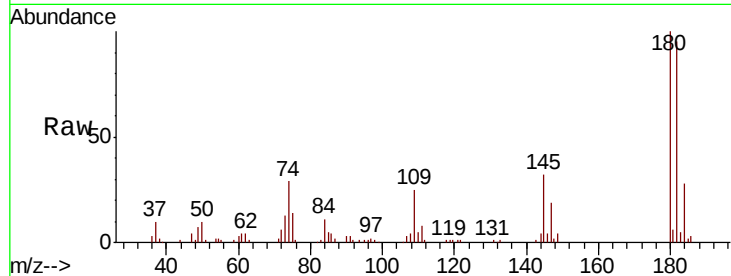




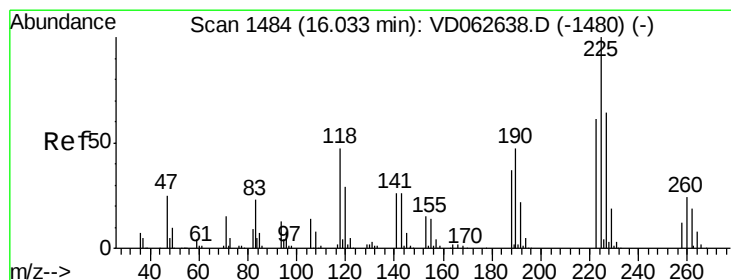
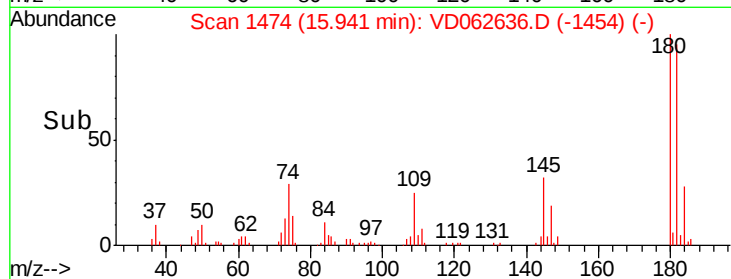
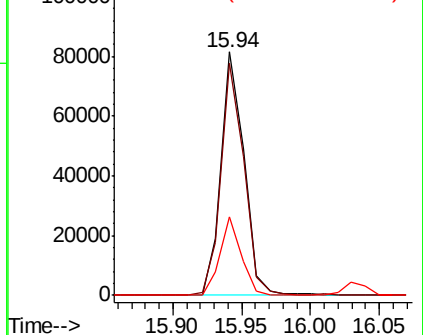
#93
 1,2,4-Trichlorobenzene
 Concen: 8.726 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 93898
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.4 148.2
 145 32.1 14.5 43.6

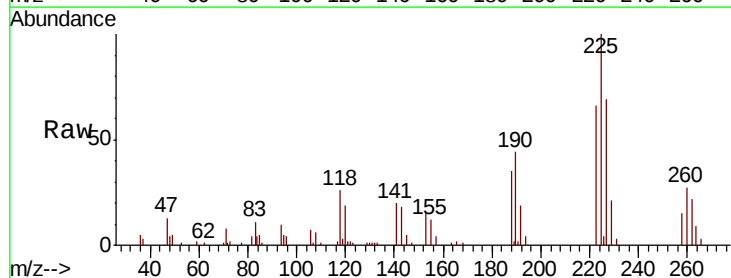


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

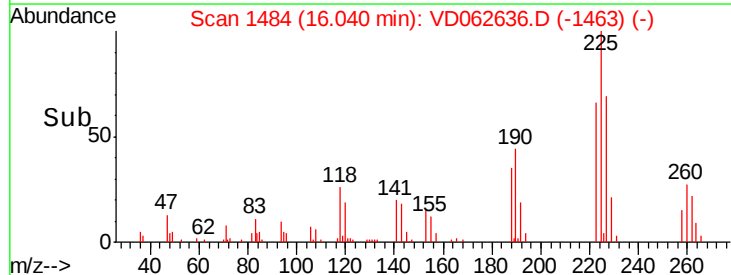
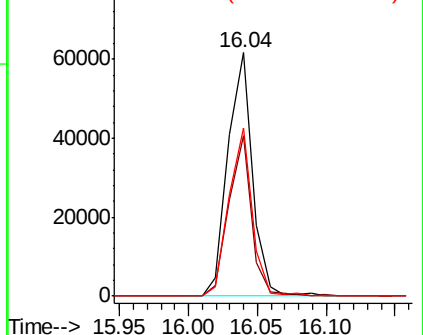


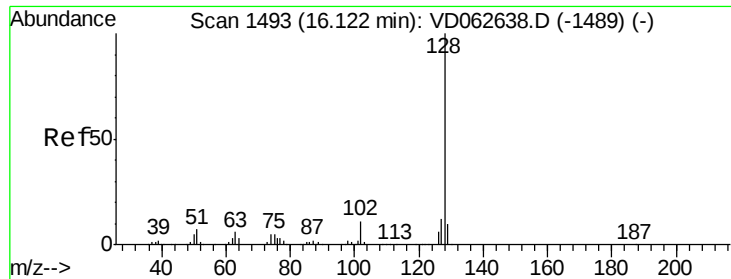
#94
 Hexachlorobutadiene
 Concen: 8.965 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062636.D
 Acq: 7 Jun 2019 11:20

Tgt Ion:225 Resp: 76175
 Ion Ratio Lower Upper
 225 100
 223 66.1 30.3 91.0
 227 69.0 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

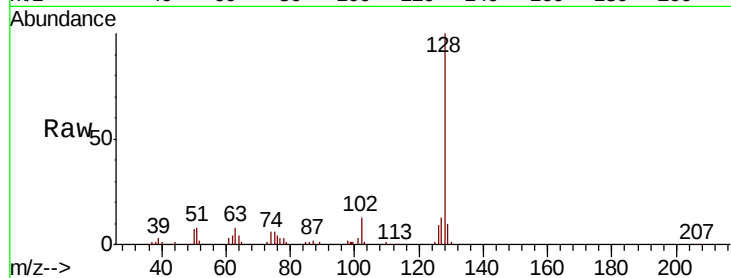




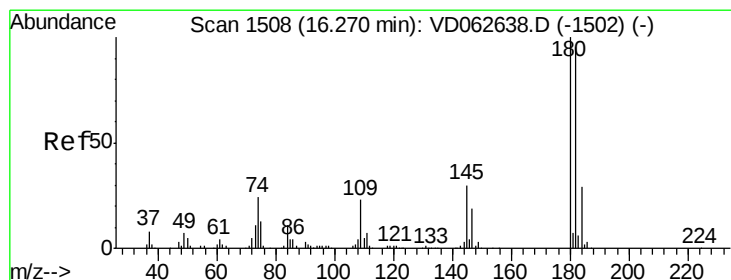
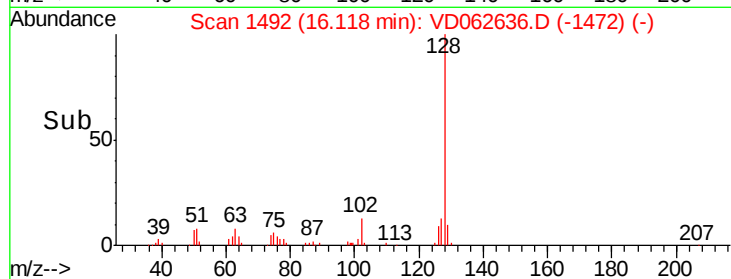
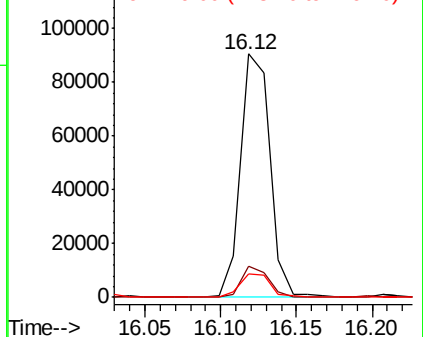
#95
Naphthalene
Concen: 8.173 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 122177
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 9.9 8.1 12.1

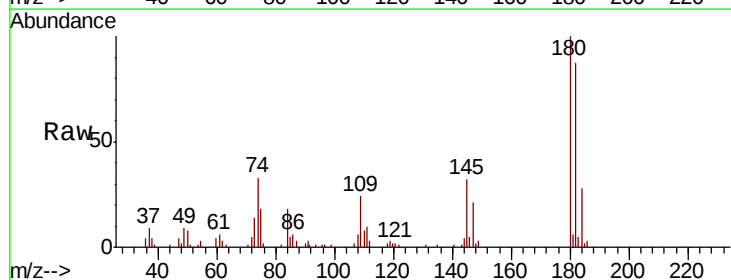


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 7.831 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062636.D
Acq: 7 Jun 2019 11:20

Tgt Ion:180 Resp: 63840
Ion Ratio Lower Upper
180 100
182 87.2 47.7 143.1
145 32.2 15.0 45.0



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

