

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062474.D
 Acq On : 21 May 2019 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:42:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	781278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1122891	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	932807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	450824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	426779	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	6.92	113	512531	50.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.42	98	1142254	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	13.56	95	489504	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	381297	52.413	ug/l	99
3) Chloromethane	1.75	50	233664	43.173	ug/l	99
4) Vinyl Chloride	1.86	62	275199	48.320	ug/l	100
5) Bromomethane	2.15	94	111241	45.264	ug/l	99
6) Chloroethane	2.27	64	143662	52.144	ug/l	99
7) Trichlorofluoromethane	2.54	101	655219	49.791	ug/l	97
8) Diethyl Ether	2.88	74	91654	51.632	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	390600	49.893	ug/l	97
10) Methyl Iodide	3.30	142	603791	55.312	ug/l	89
11) Tert butyl alcohol	4.08	59	103022	266.879	ug/l	96
12) 1,1-Dichloroethene	3.13	96	299541	51.771	ug/l	87
13) Acrolein	3.04	56	86912	271.113	ug/l	96
14) Allyl chloride	3.63	41	442598	51.880	ug/l	# 79
15) Acrylonitrile	4.20	53	244528	276.441	ug/l	90
16) Acetone	3.22	43	450829	300.824	ug/l	# 83
17) Carbon Disulfide	3.38	76	900545	51.392	ug/l	99
18) Methyl Acetate	3.65	43	137587	53.204	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	731381	54.729	ug/l	95
20) Methylene Chloride	3.81	84	324985	50.943	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	364250	53.776	ug/l	92
22) Diisopropyl ether	5.12	45	995197	54.805	ug/l	# 88
23) Vinyl Acetate	5.05	43	2990927	272.583	ug/l	98
24) 1,1-Dichloroethane	5.00	63	631351	53.985	ug/l	99
25) 2-Butanone	6.08	43	463144	295.478	ug/l	98
26) 2,2-Dichloropropane	6.03	77	680471	53.977	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	400808	54.877	ug/l	93
28) Bromochloromethane	6.44	49	216929	51.682	ug/l	88
29) Tetrahydrofuran	6.46	42	214359	286.350	ug/l	96
30) Chloroform	6.67	83	774520	51.947	ug/l	99
31) Cyclohexane	6.95	56	398378	50.451	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	784121	52.091	ug/l	97
36) 1,1-Dichloropropene	7.15	75	511448	47.640	ug/l	98
37) Ethyl Acetate	6.19	43	211357	50.678	ug/l	# 87
38) Carbon Tetrachloride	7.11	117	842670	52.814	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	451962	51.042	ug/l	95
40) Benzene	7.46	78	1012344	48.074	ug/l	100
41) Methacrylonitrile	6.45	41	277092	52.901	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	546795	49.036	ug/l	93
43) Isopropyl Acetate	9.25	43	287573	51.977	ug/l #	89
44) Trichloroethene	8.55	130	420691	49.895	ug/l	90
45) 1,2-Dichloropropane	8.94	63	266391	51.910	ug/l	96
46) Dibromomethane	9.07	93	236167	50.769	ug/l	90
47) Bromodichloromethane	9.37	83	607497	51.336	ug/l	100
48) Methyl methacrylate	9.12	41	188447	50.614	ug/l #	84
49) 1,4-Dioxane	9.08	88	35780	1071.373	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	978908	267.824	ug/l	95
52) Toluene	10.52	92	687134	47.665	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	502295	50.983	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	529621	51.519	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	252078	51.593	ug/l	97
56) Ethyl methacrylate	11.05	69	271261	51.935	ug/l #	88
57) 1,3-Dichloropropane	11.41	76	390410	52.103	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	680864	253.862	ug/l	99
59) 2-Hexanone	11.54	43	728824	274.364	ug/l	94
60) Dibromochloromethane	11.69	129	477567	50.890	ug/l	99
61) 1,2-Dibromoethane	11.81	107	315612	52.417	ug/l	96
64) Tetrachloroethene	11.26	164	383226	49.066	ug/l	94
65) Chlorobenzene	12.40	112	855210	47.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	405266	48.943	ug/l	96
67) Ethyl Benzene	12.52	91	1568070	50.751	ug/l	96
68) m/p-Xylenes	12.67	106	1041056	93.865	ug/l	89
69) o-Xylene	13.06	106	508021	48.546	ug/l	94
70) Styrene	13.07	104	881451	49.514	ug/l	96
71) Bromoform	13.23	173	286135	52.033	ug/l	99
73) Isopropylbenzene	13.41	105	1487360	52.340	ug/l	98
74) N-amyl acetate	13.27	43	415997	59.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	288810	56.335	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	290147	54.640	ug/l	100
77) Bromobenzene	13.68	156	450415	55.874	ug/l	97
78) n-propylbenzene	13.77	91	1885548	57.283	ug/l	96
79) 2-Chlorotoluene	13.84	91	1112195	55.677	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1331868	54.130	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	87526	58.444	ug/l	85
82) 4-Chlorotoluene	13.95	91	1270974	55.247	ug/l	92
83) tert-Butylbenzene	14.19	119	1441465	52.815	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1340010	53.149	ug/l	90
85) sec-Butylbenzene	14.36	105	1550793	54.493	ug/l	95
86) p-Isopropyltoluene	14.49	119	1294761	50.204	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	755355	53.060	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	735433	53.536	ug/l	97
89) n-Butylbenzene	14.80	91	1308523	52.573	ug/l	96
90) Hexachloroethane	15.00	117	399202	56.009	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	624291	51.573	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	53427	54.903	ug/l	60

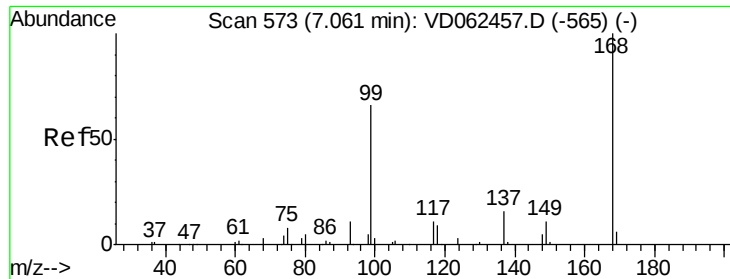
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	510403	53.549	ug/l	97
94) Hexachlorobutadiene	16.04	225	397863	56.532	ug/l	99
95) Naphthalene	16.13	128	745340	57.229	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	400736	51.286	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

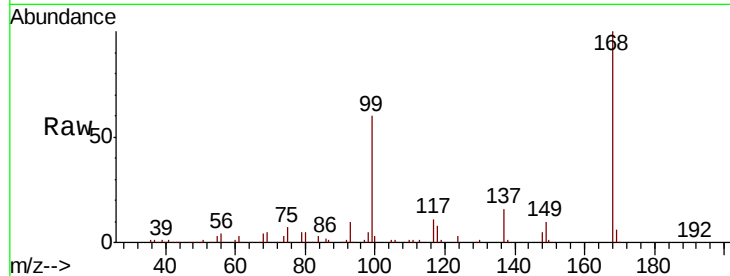
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 781278

Ion Ratio Lower Upper

168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

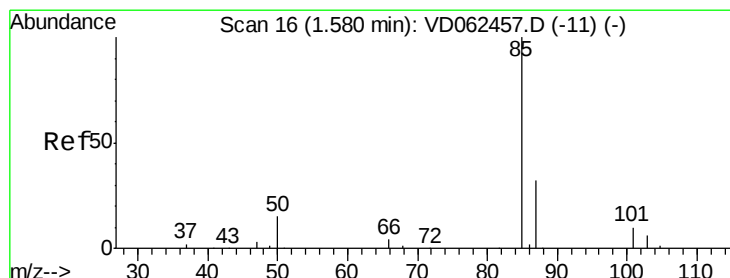
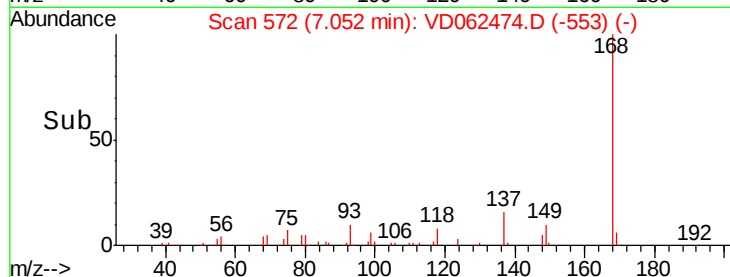
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 52.413 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062474.D

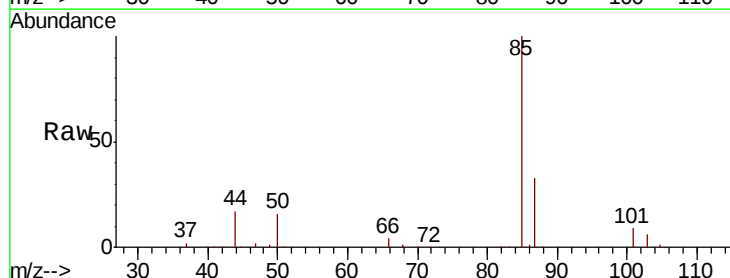
Acq: 21 May 2019 11:49

Tgt Ion: 85 Resp: 381297

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

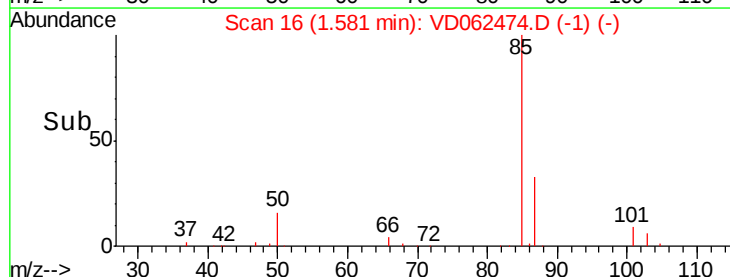
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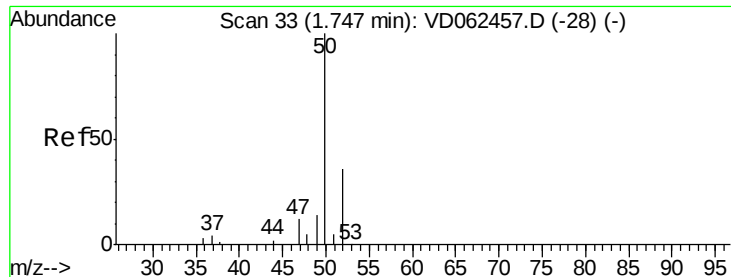
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.173 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

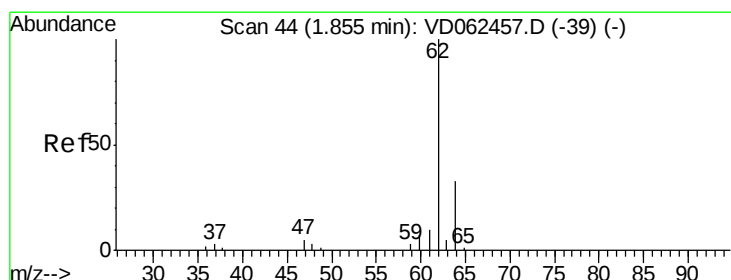
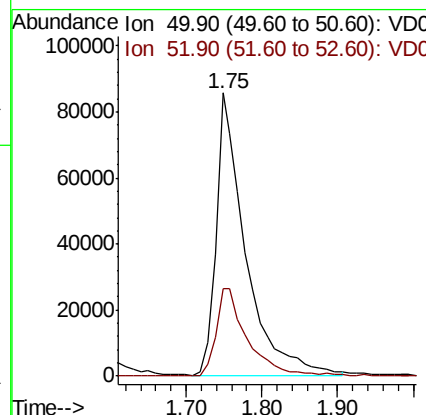
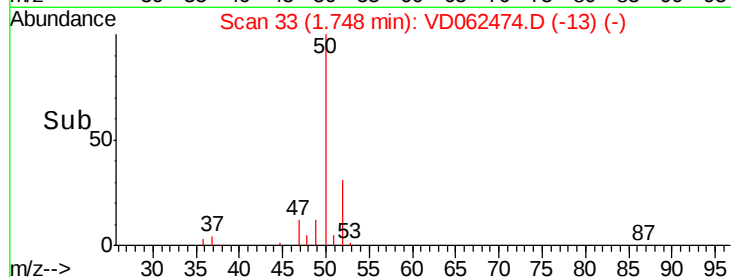
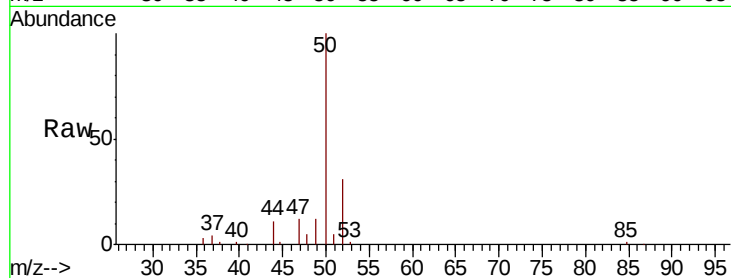
ClientSampleId :

Tot Ion: 50 Resp: 233664

Ion Ratio Lower Upper

50 100

52 31.1 25.2 37.8



#4

Vinyl Chloride

Concen: 48.320 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062474.D

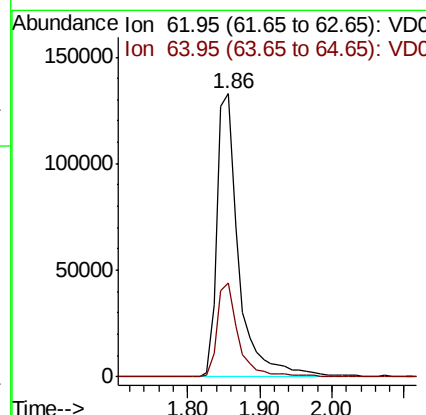
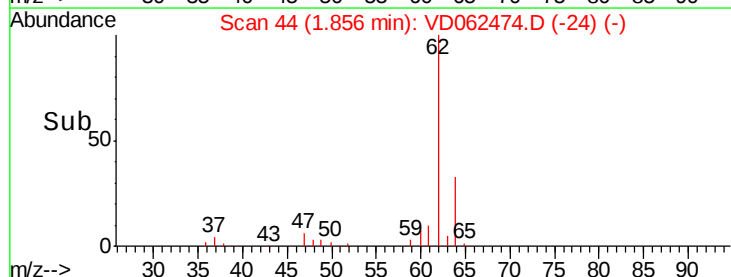
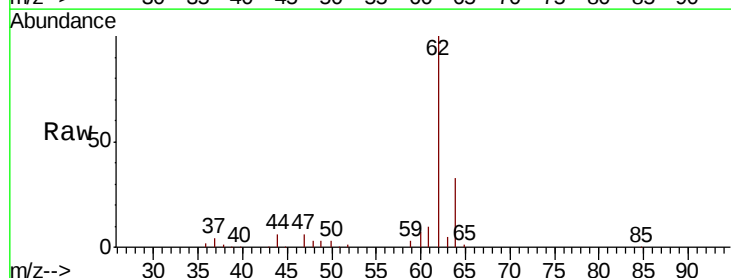
Acq: 21 May 2019 11:49

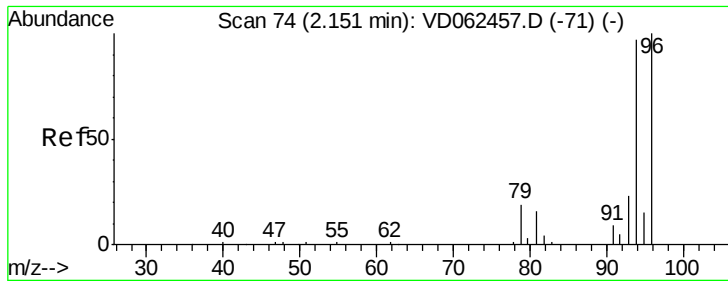
Tgt Ion: 62 Resp: 275199

Ion Ratio Lower Upper

62 100

64 33.1 26.5 39.7





#5

Bromomethane

Concen: 45.264 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :

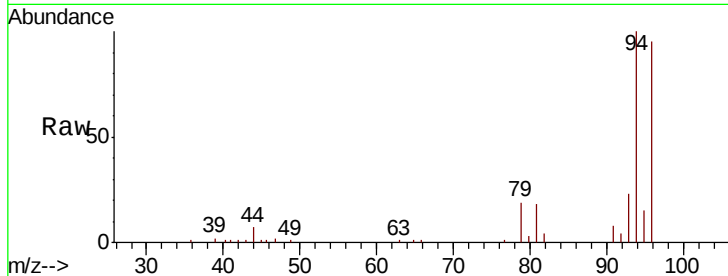
Tot Ion: 94 Resp: 111241

Ion Ratio Lower Upper

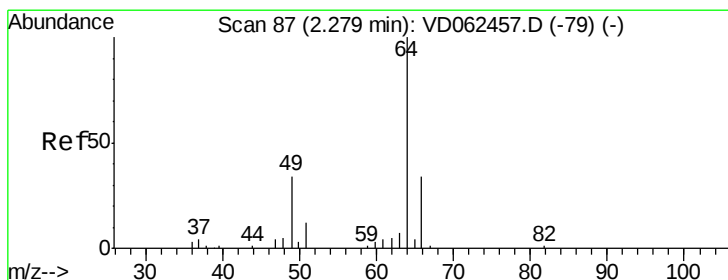
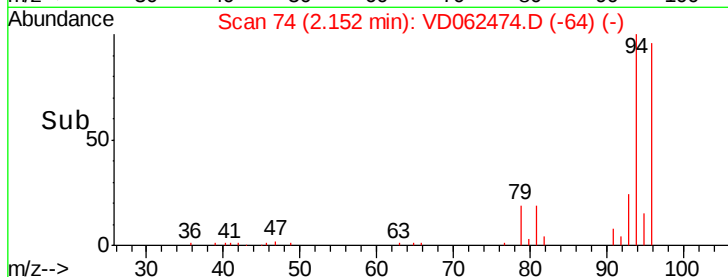
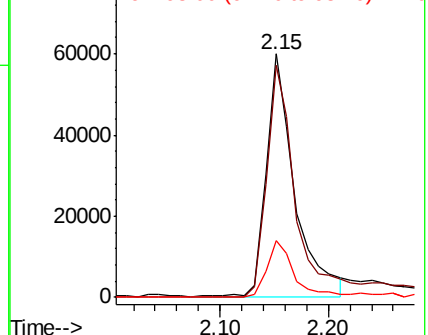
94 100

96 95.3 76.6 115.0

93 23.4 18.5 27.7



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: 52.144 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD062474.D

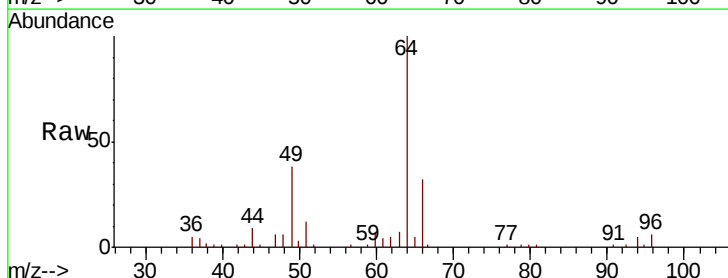
Acq: 21 May 2019 11:49

Tgt Ion: 64 Resp: 143662

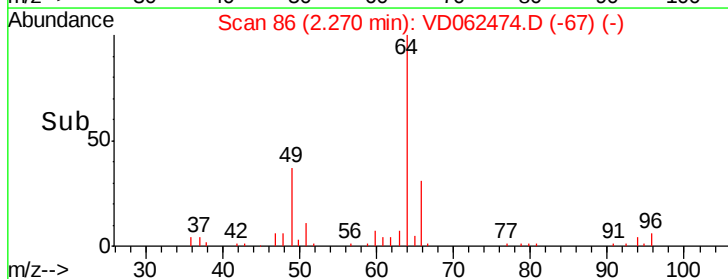
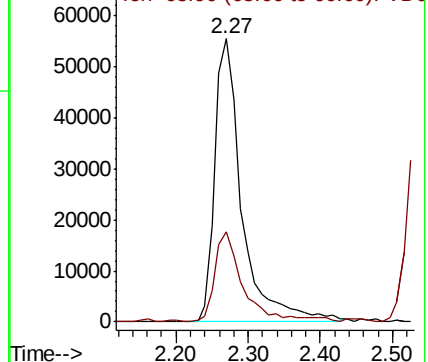
Ion Ratio Lower Upper

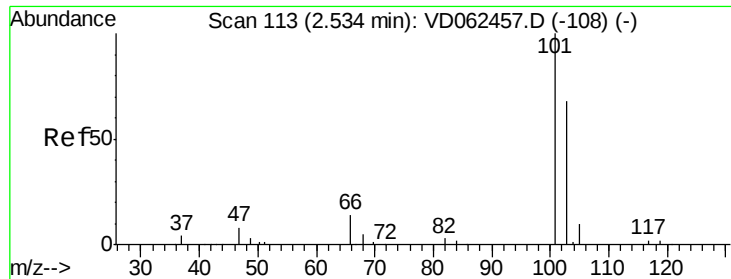
64 100

66 31.6 25.6 38.4



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



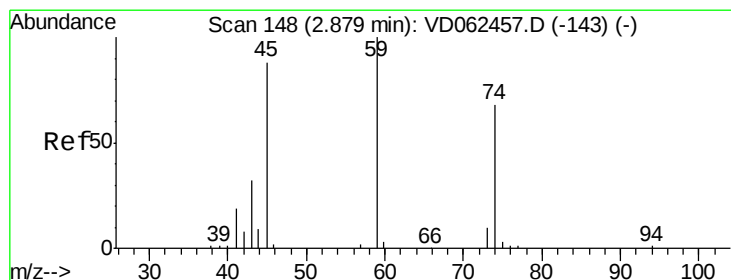
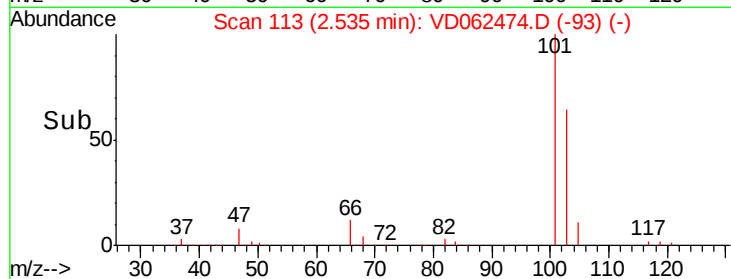
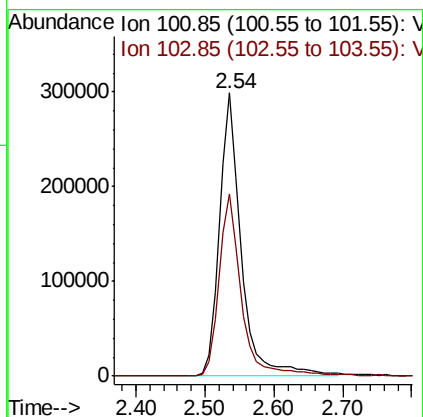
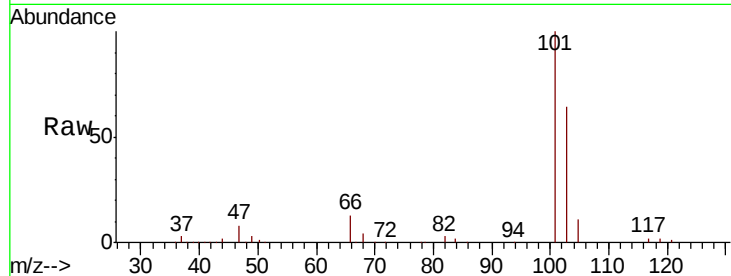


#7

Trichlorofluoromethane
 Concen: 49.791 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
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 ClientSampleId :

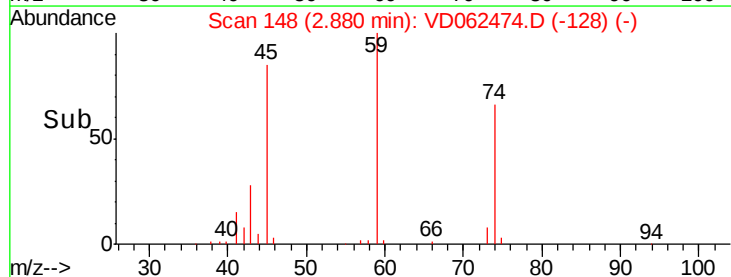
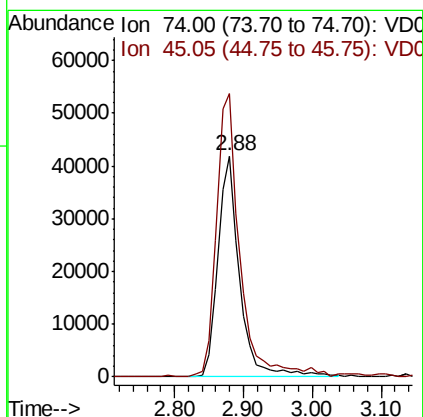
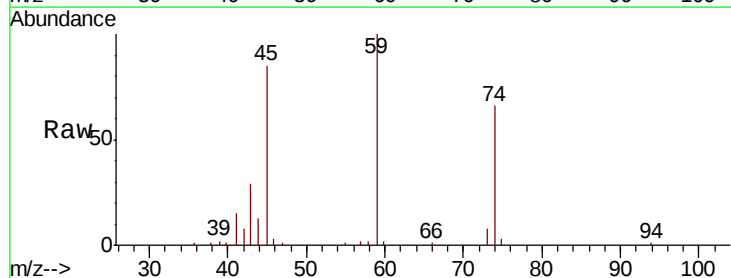
Tot Ion:101 Resp: 655219
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.6 80.4

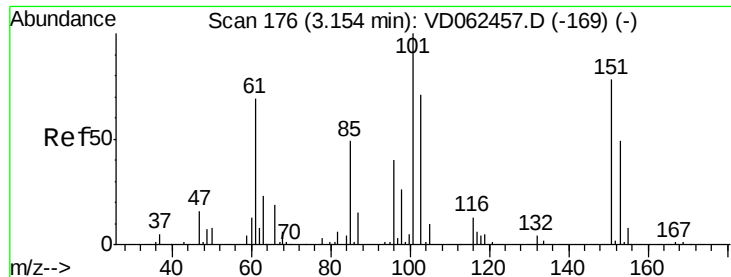


#8

Diethyl Ether
 Concen: 51.632 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion: 74 Resp: 91654
 Ion Ratio Lower Upper
 74 100
 45 128.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.893 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

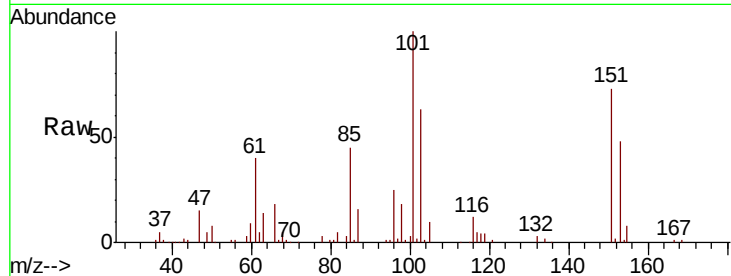
Tot Ion:101 Resp: 390600

Ion Ratio Lower Upper

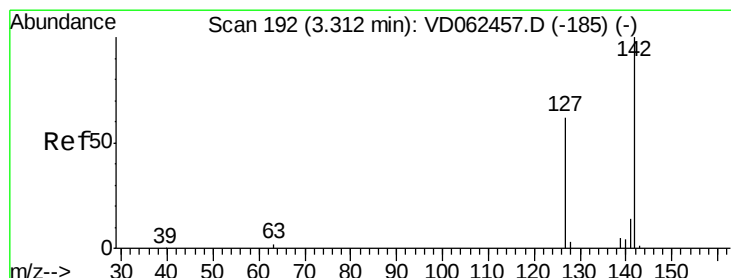
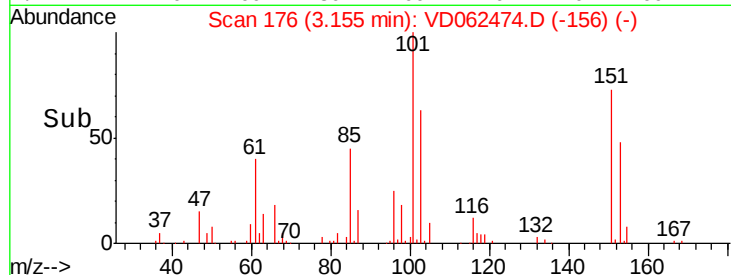
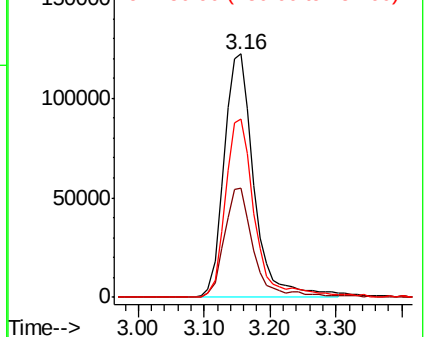
101 100

85 44.9 32.4 48.6

151 73.4 59.4 89.0



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: 55.312 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

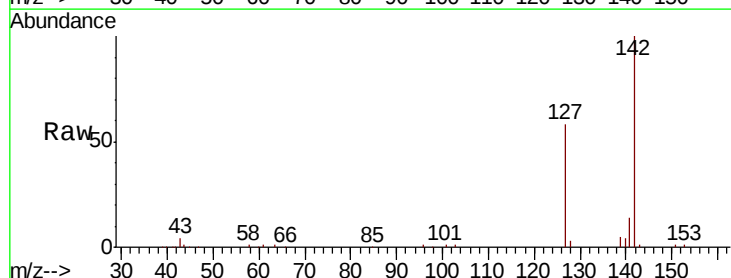
Tgt Ion:142 Resp: 603791

Ion Ratio Lower Upper

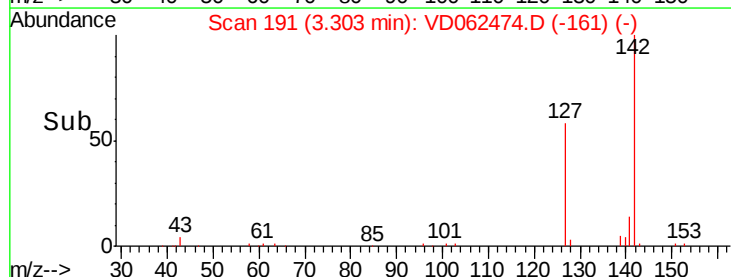
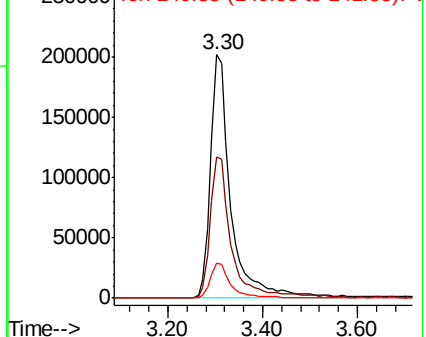
142 100

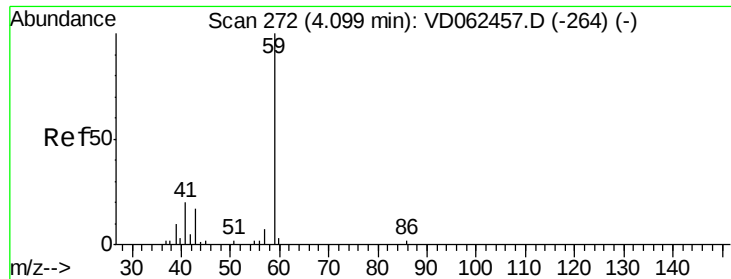
127 58.0 38.8 58.2

141 14.2 11.4 17.0



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



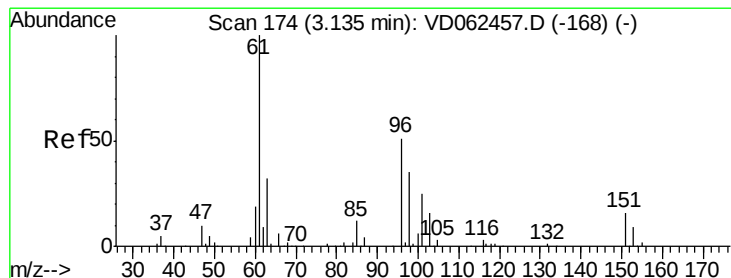
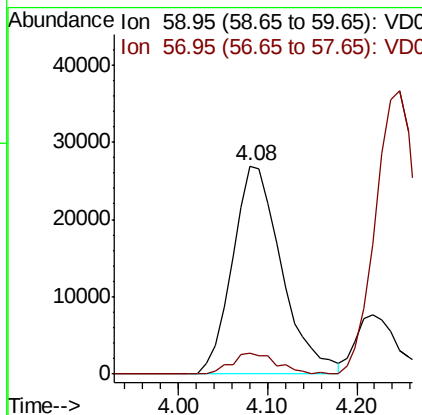
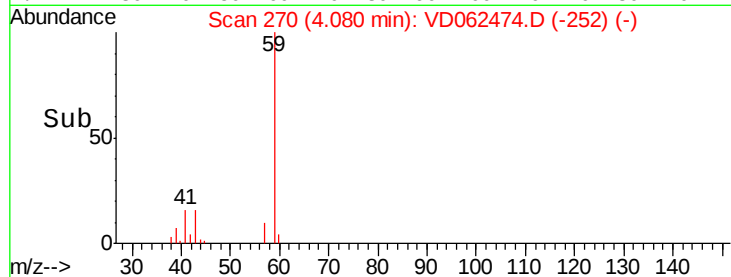
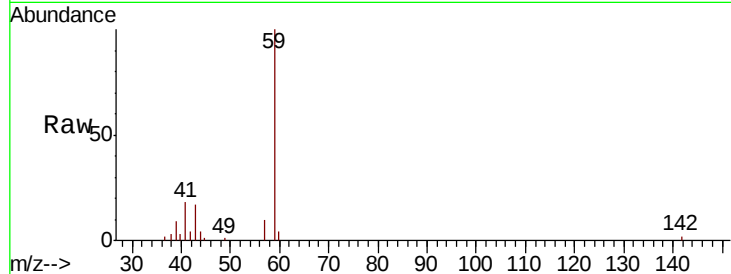


#11

Tert butyl alcohol
 Concen: 266.879 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.02 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

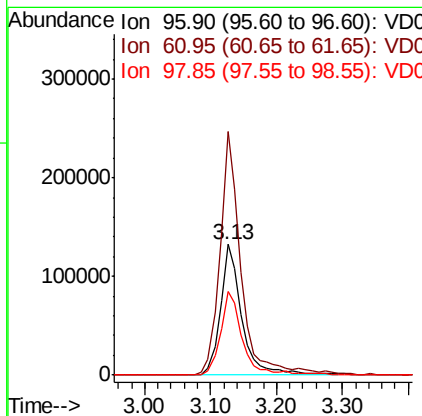
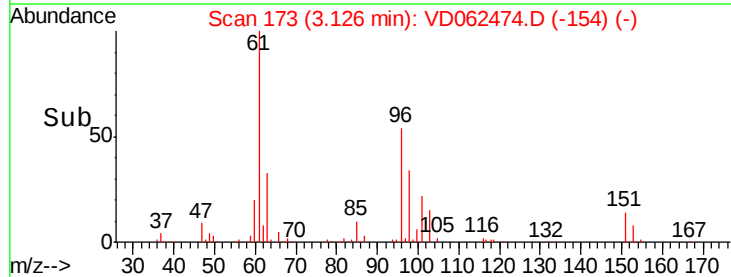
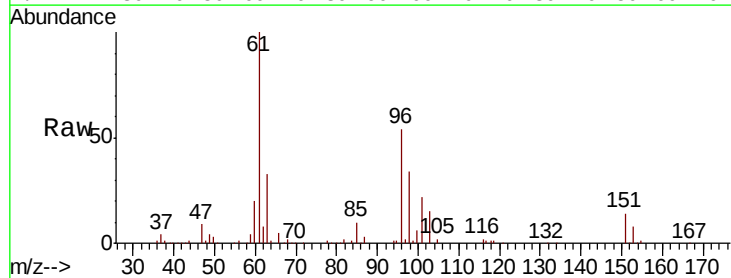
Tot Ion: 59 Resp: 103022
 Ion Ratio Lower Upper
 59 100
 57 10.0 6.9 10.3

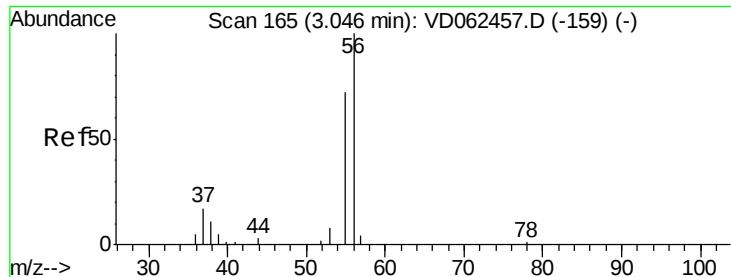


#12

1,1-Dichloroethene
 Concen: 51.771 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion: 96 Resp: 299541
 Ion Ratio Lower Upper
 96 100
 61 186.3 129.8 194.8
 98 63.8 51.2 76.8





#13

Acrolein

Concen: 271.113 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

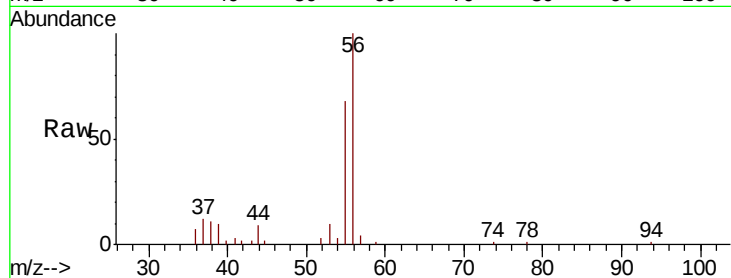
ClientSampleId :

Tot Ion: 56 Resp: 86912

Ion Ratio Lower Upper

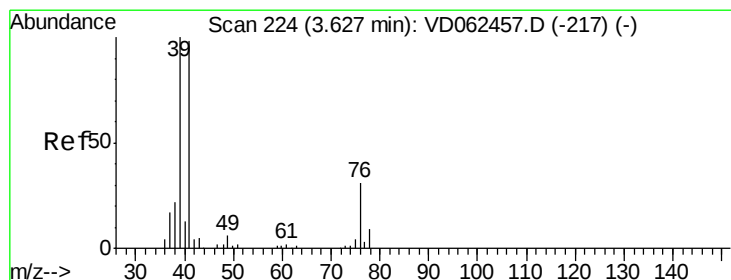
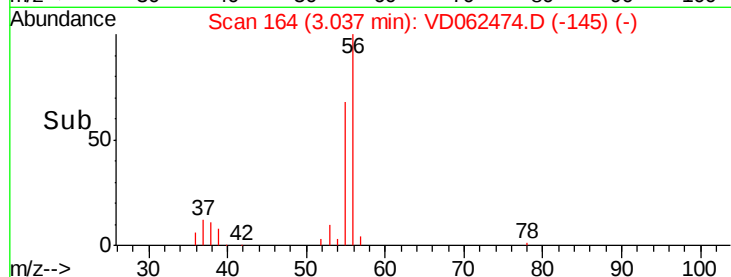
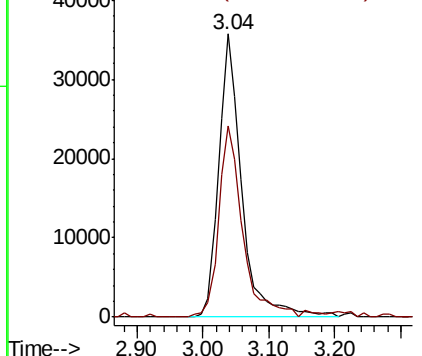
56 100

55 67.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.880 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

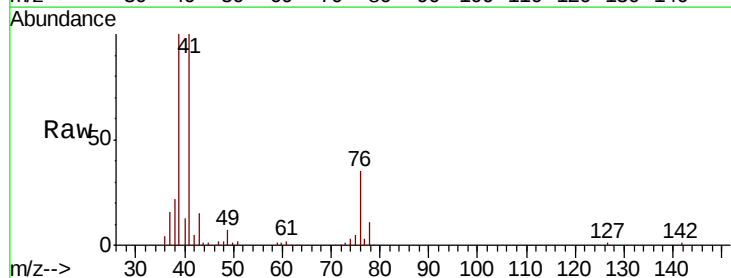
Tgt Ion: 41 Resp: 442598

Ion Ratio Lower Upper

41 100

39 99.7 60.5 90.7#

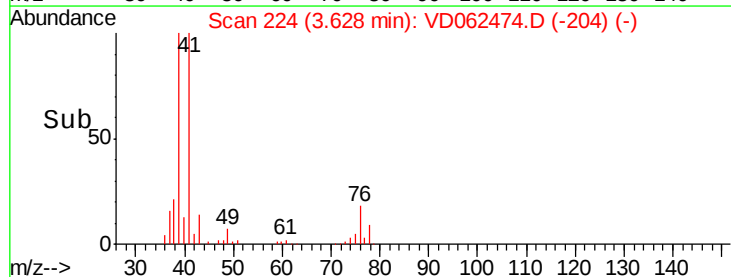
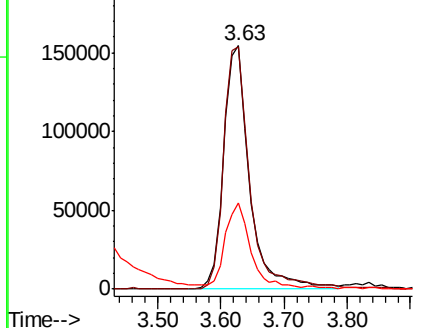
76 35.5 31.8 47.8

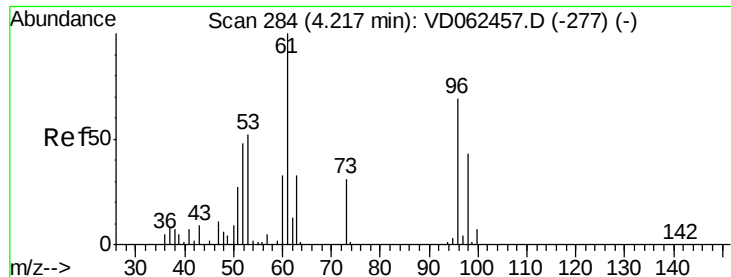


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 276.441 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :

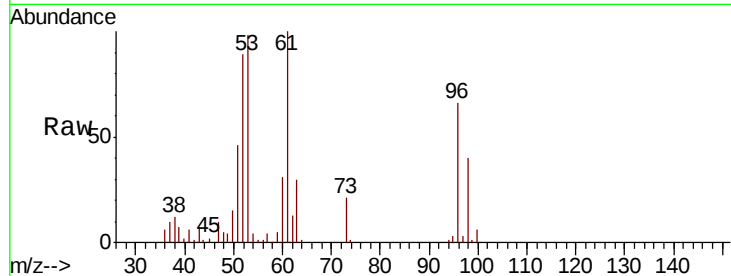
Tot Ion: 53 Resp: 244528

Ion Ratio Lower Upper

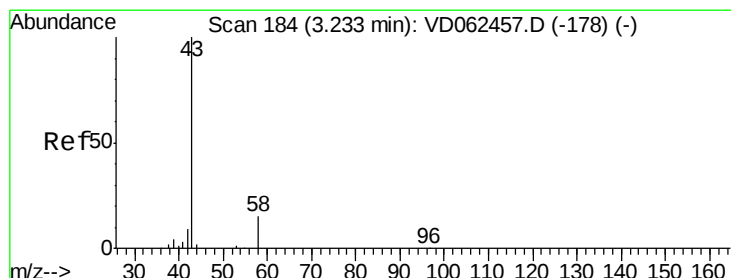
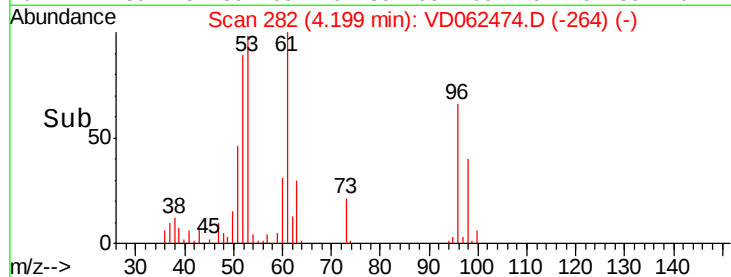
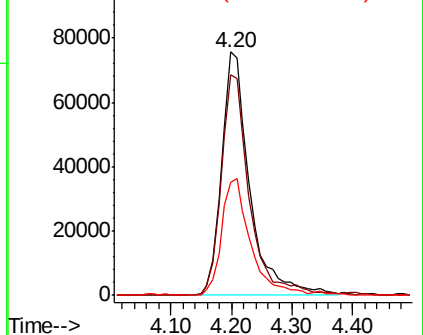
53 100

52 90.4 65.0 97.4

51 46.6 32.6 48.8



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: 300.824 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062474.D

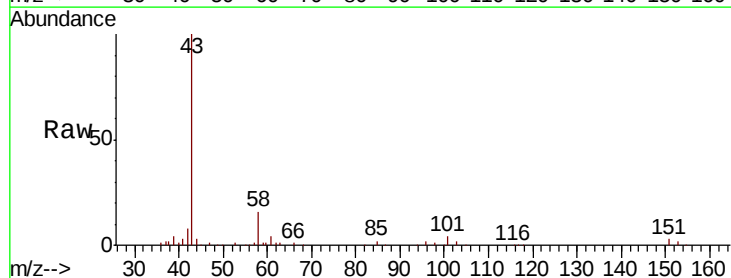
Acq: 21 May 2019 11:49

Tgt Ion: 43 Resp: 450829

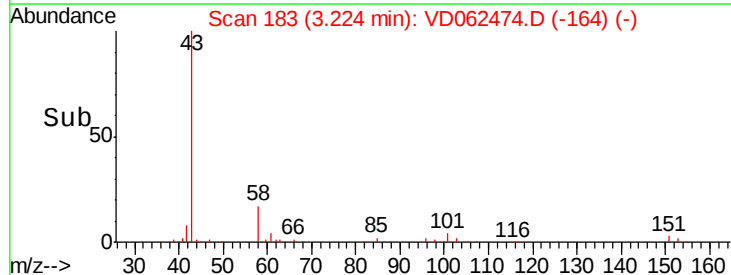
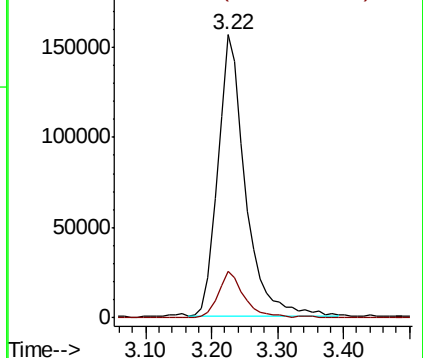
Ion Ratio Lower Upper

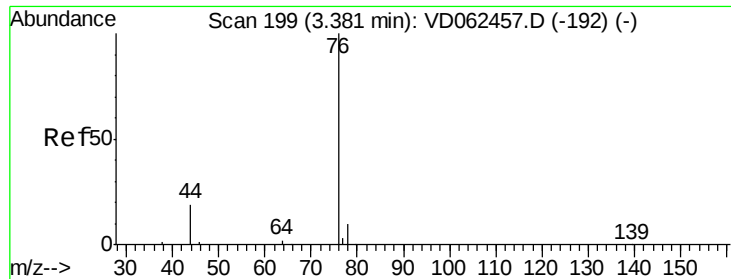
43 100

58 16.4 19.9 29.9#



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

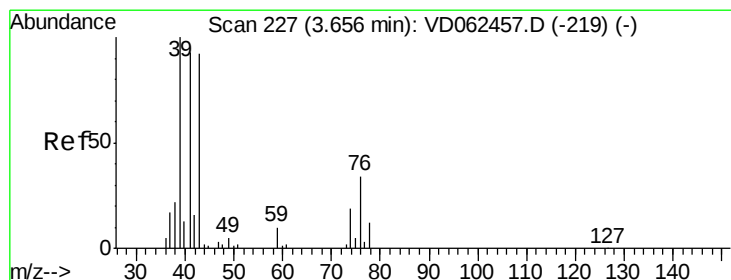
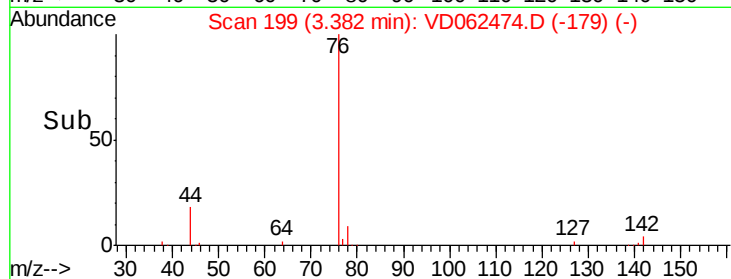
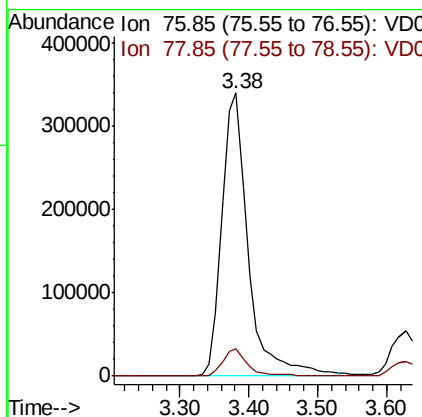
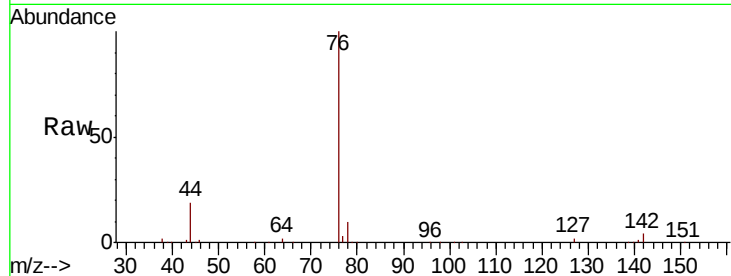




#17
Carbon Disulfide
Concen: 51.392 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

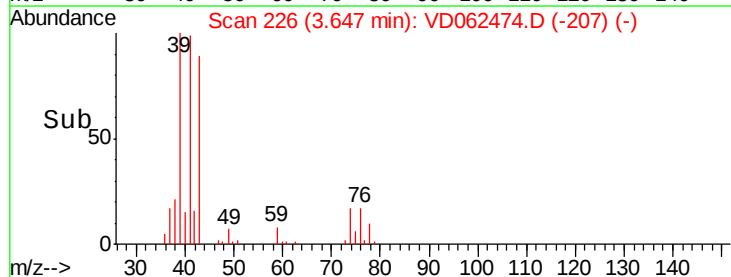
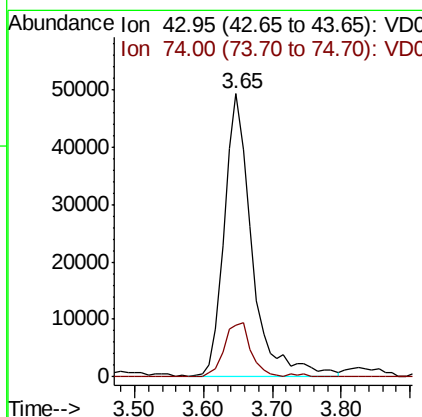
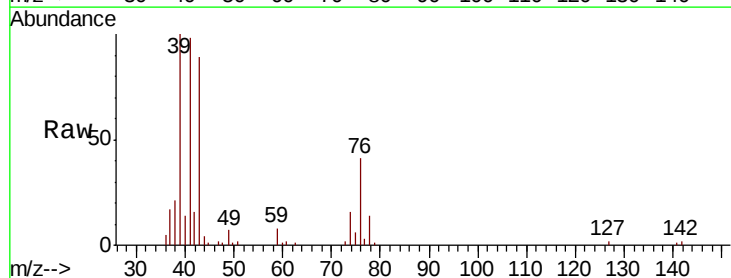
Instrument :
MSVOA_D
ClientSampleId :

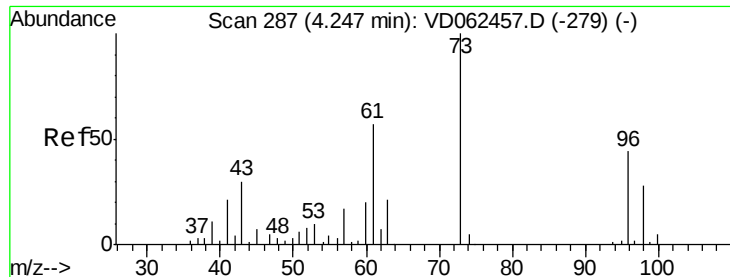
Tot Ion: 76 Resp: 900545
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 53.204 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 43 Resp: 137587
Ion Ratio Lower Upper
43 100
74 18.5 18.0 27.0

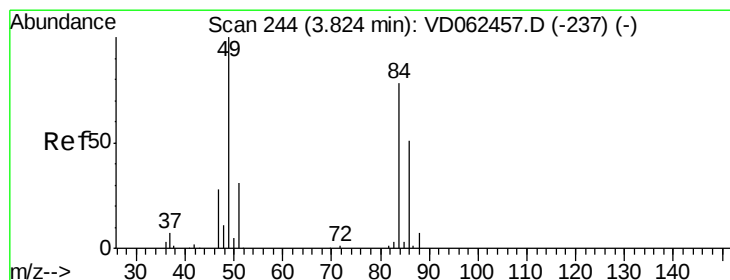
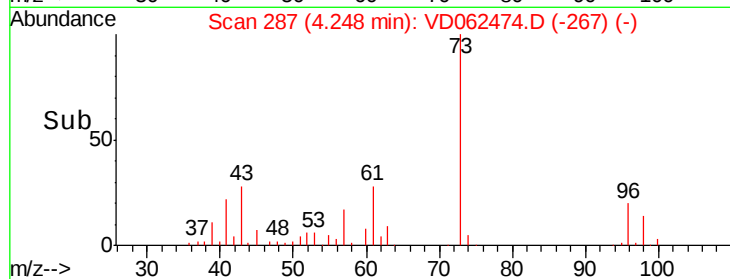
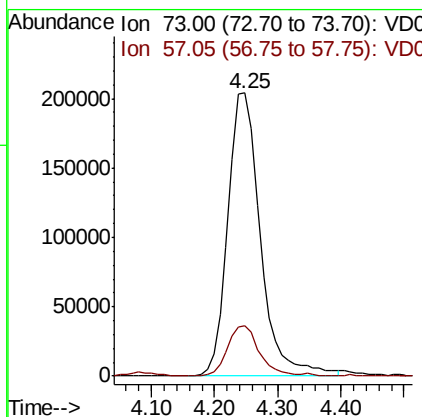
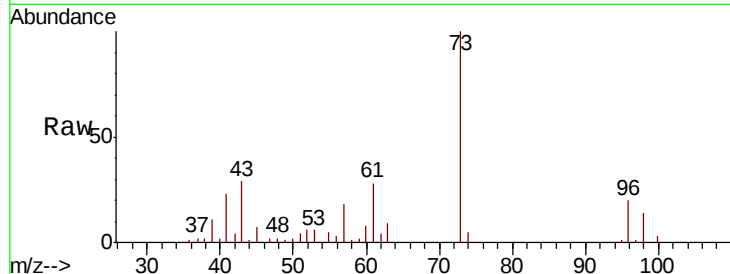




#19
Methvl tert-butvl Ether
Concen: 54.729 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

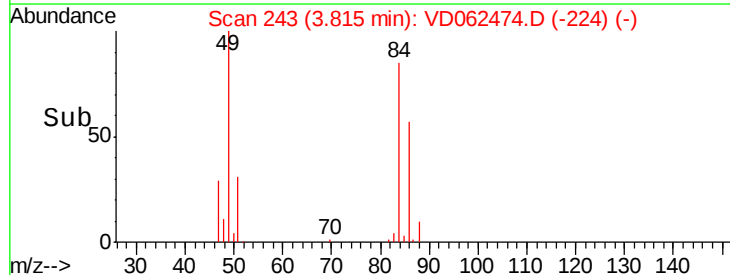
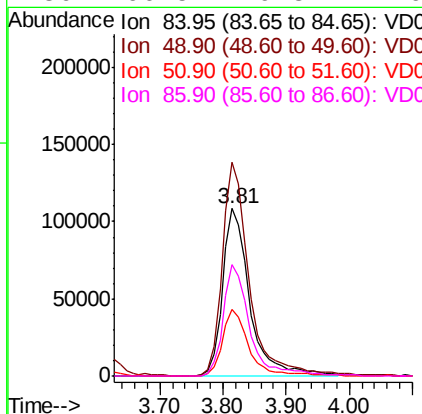
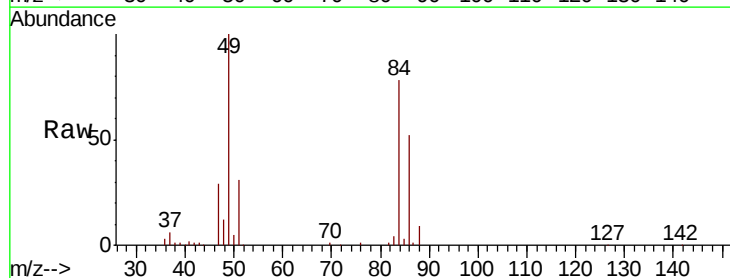
Instrument :
MSVOA_D
ClientSampleId :

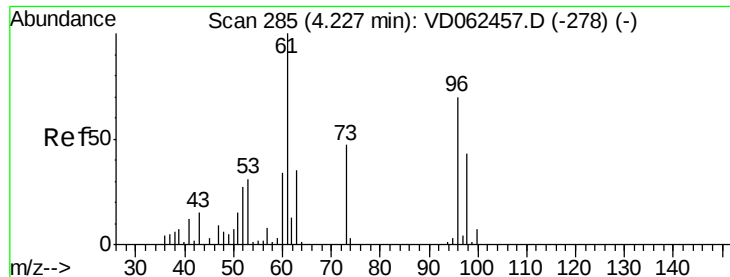
Tot Ion: 73 Resp: 731381
Ion Ratio Lower Upper
73 100
57 17.9 16.3 24.5



#20
Methylene Chloride
Concen: 50.943 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 84 Resp: 324985
Ion Ratio Lower Upper
84 100
49 127.5 94.0 141.0
51 39.4 29.0 43.4
86 66.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 53.776 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampled :

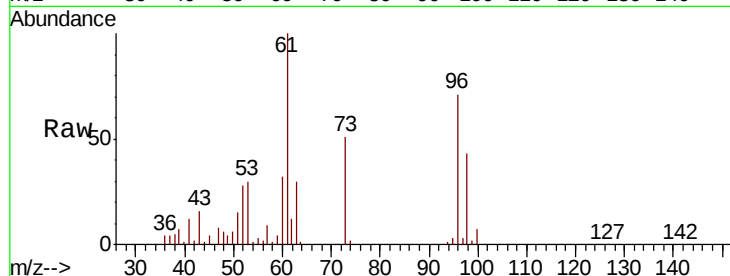
Tot Ion: 96 Resp: 364250

Ion Ratio Lower Upper

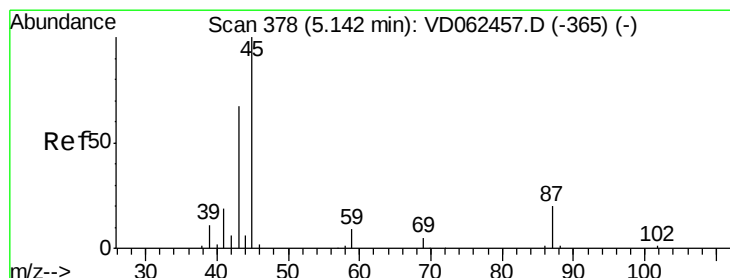
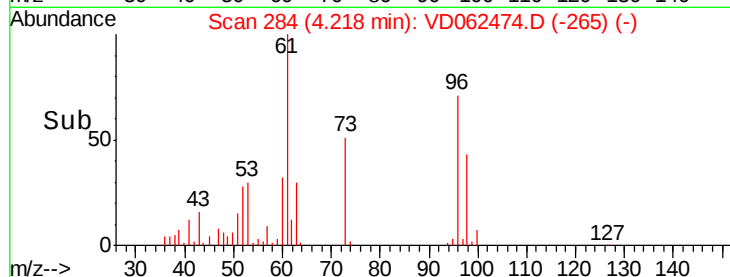
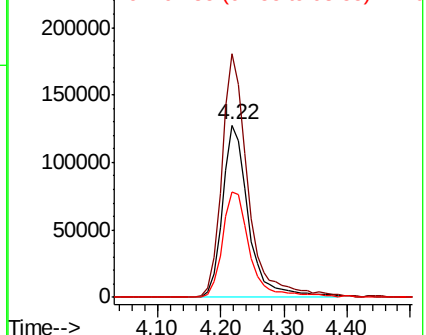
96 100

61 141.2 104.4 156.6

98 61.2 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: 54.805 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion: 45 Resp: 995197

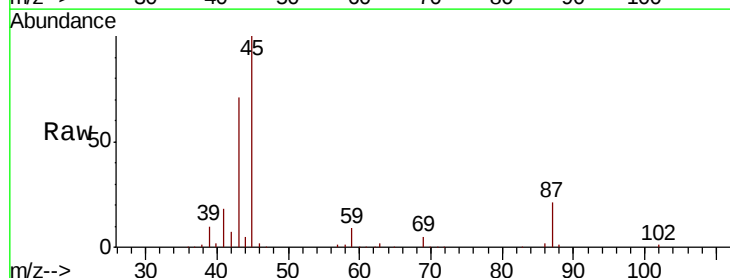
Ion Ratio Lower Upper

45 100

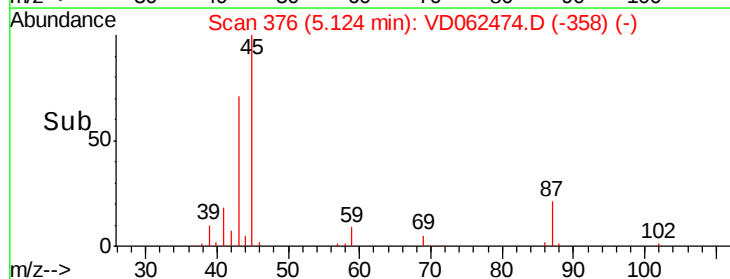
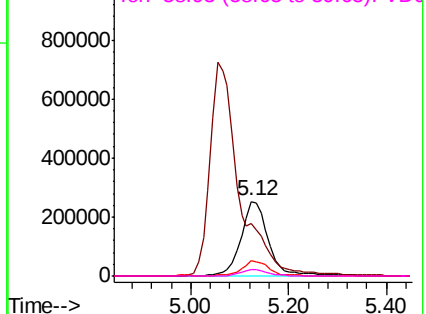
43 70.7 46.2 69.2#

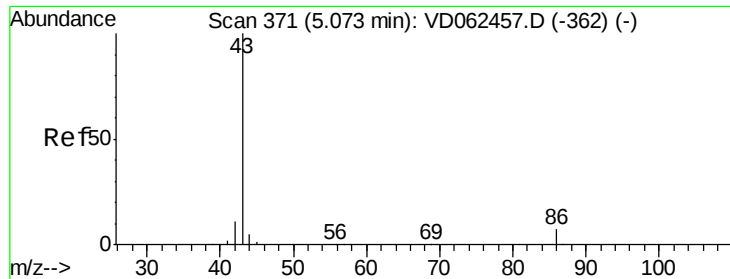
87 20.6 15.9 23.9

59 9.0 7.9 11.9



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: 272.583 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

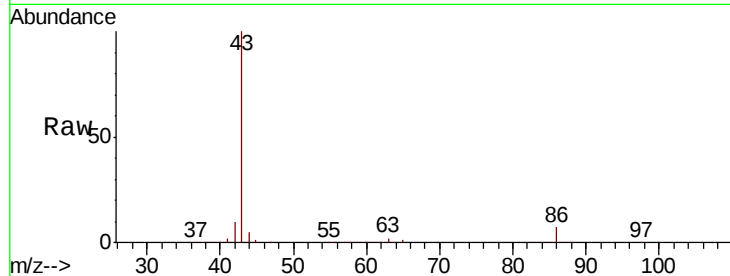
ClientSampleId :

Tot Ion: 43 Resp: 2990927

Ion Ratio Lower Upper

43 100

86 7.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

600000

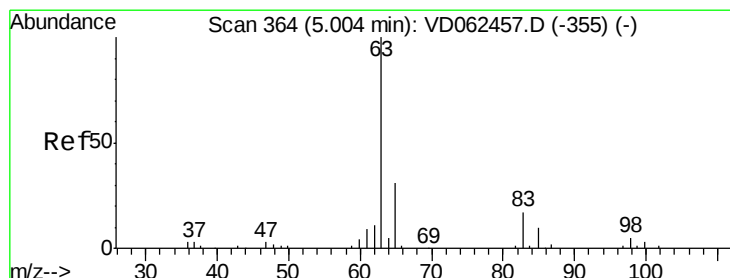
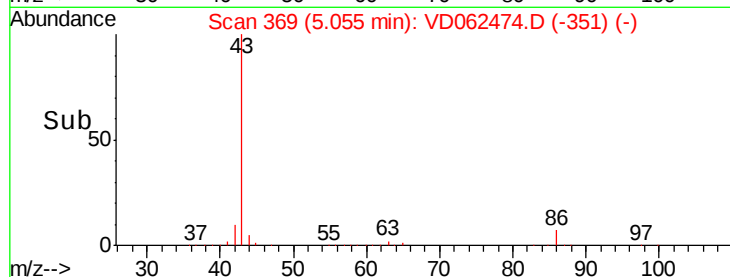
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 53.985 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

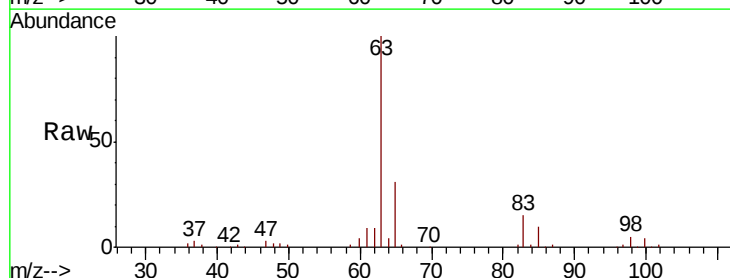
Tgt Ion: 63 Resp: 631351

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 3.8 1.8 5.5



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

200000

150000

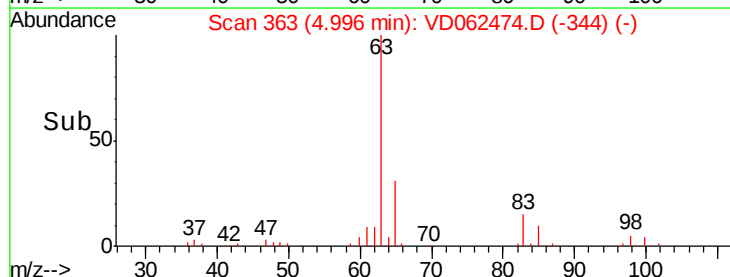
100000

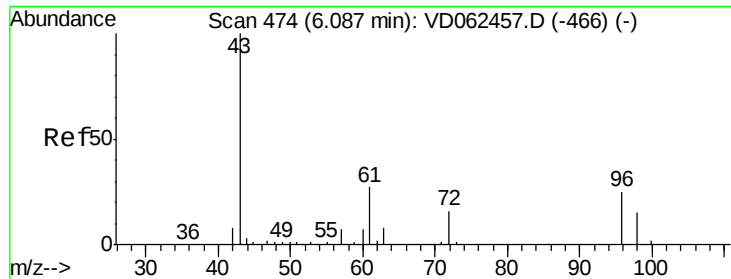
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20

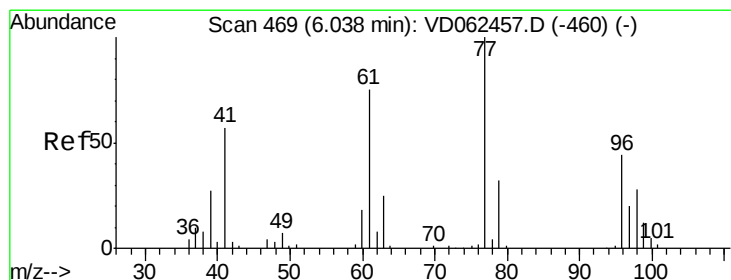
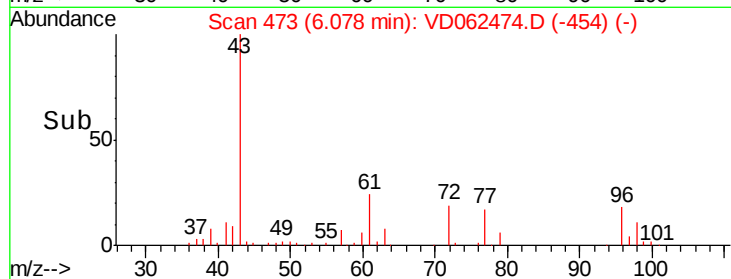
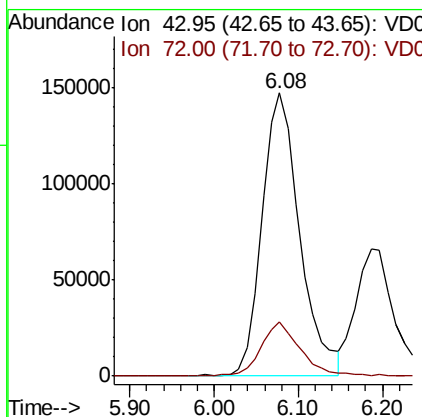
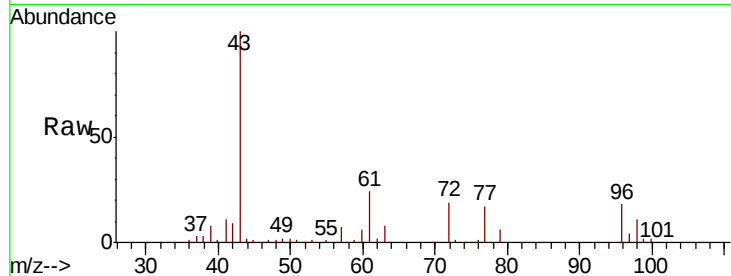




#25
2-Butanone
Concen: 295.478 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

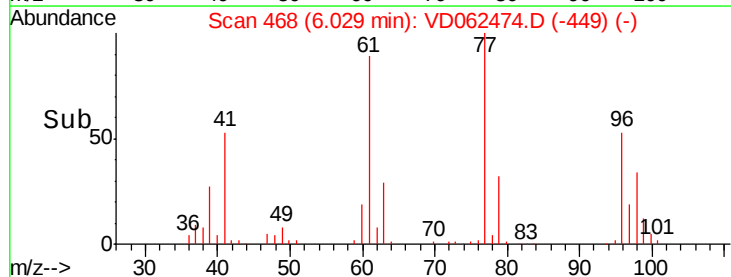
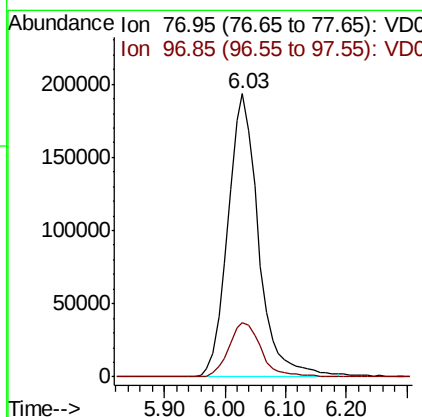
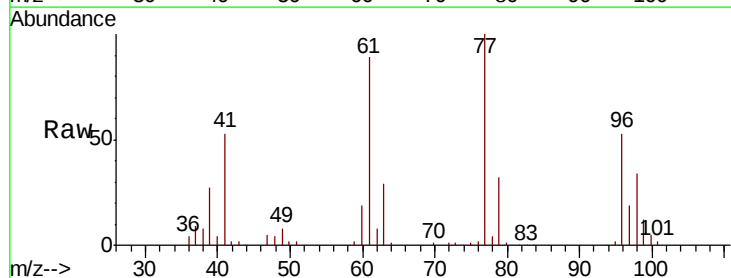
Instrument :
MSVOA_D
ClientSampleId :

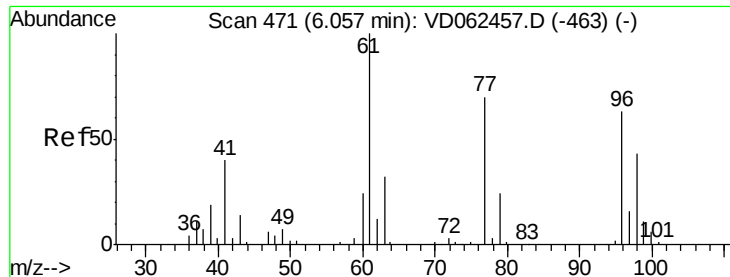
Tot Ion: 43 Resp: 463144
Ion Ratio Lower Upper
43 100
72 19.2 16.2 24.4



#26
2,2-Dichloropropane
Concen: 53.977 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 77 Resp: 680471
Ion Ratio Lower Upper
77 100
97 19.2 11.9 35.9



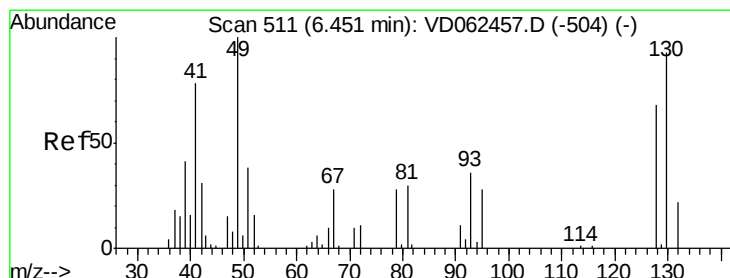
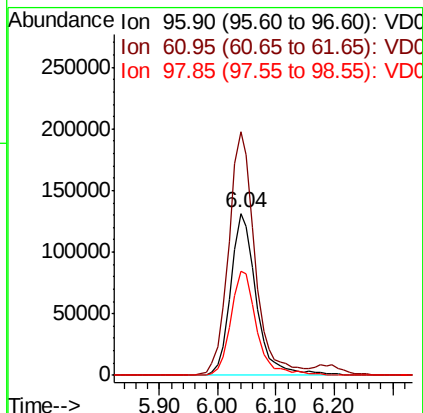
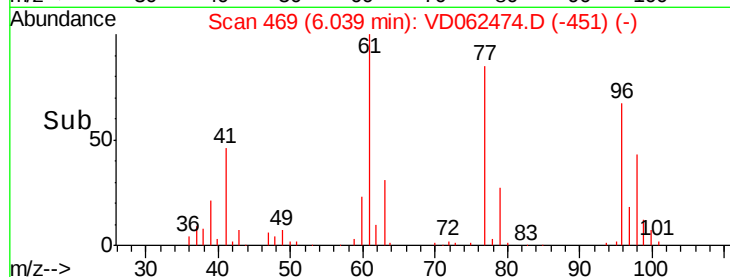
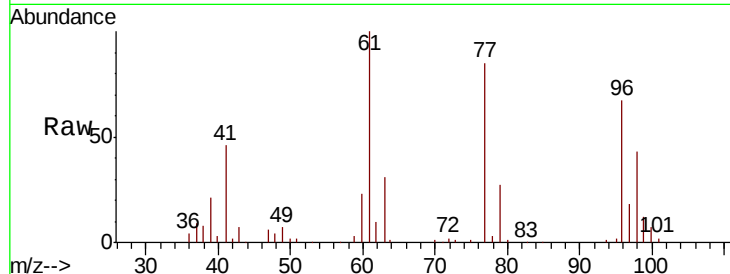


#27

cis-1,2-Dichloroethene
Concen: 54.877 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :

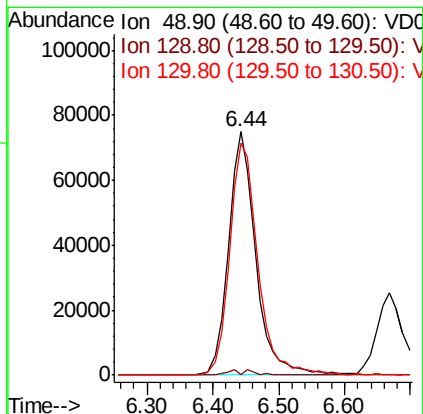
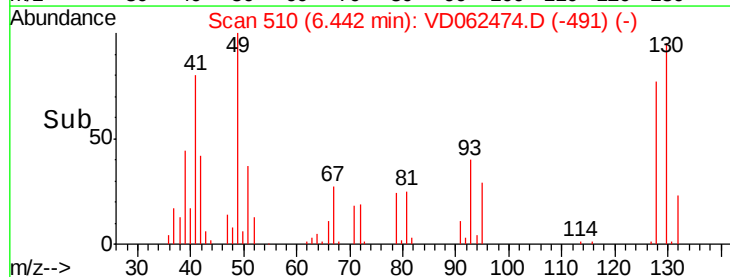
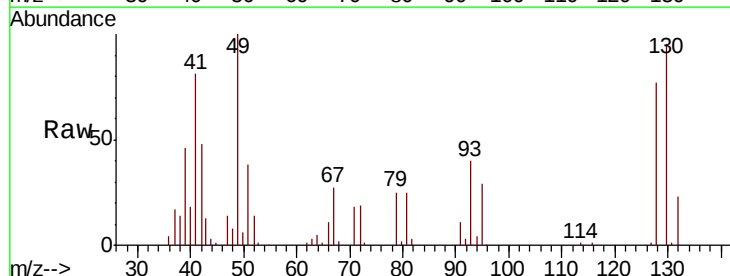
Tot Ion: 96 Resp: 400808
Ion Ratio Lower Upper
96 100
61 150.0 0.0 279.8
98 64.3 0.0 136.0

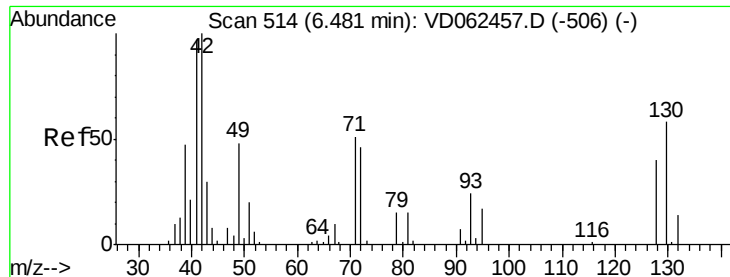


#28

Bromochloromethane
Concen: 51.682 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 49 Resp: 216929
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 95.5 86.7 130.1

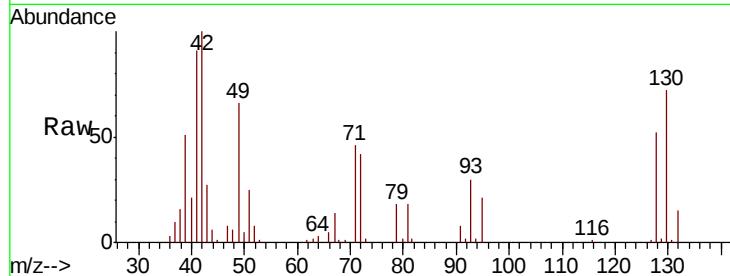




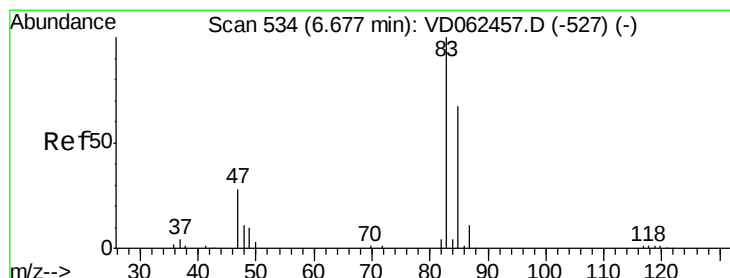
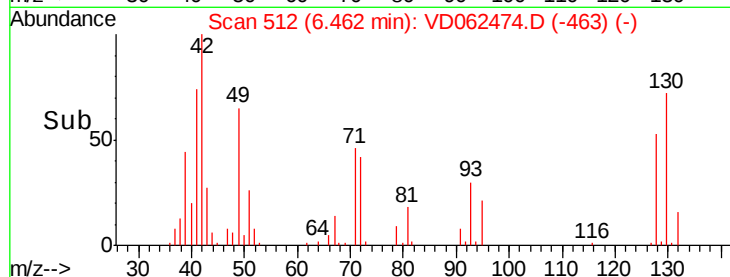
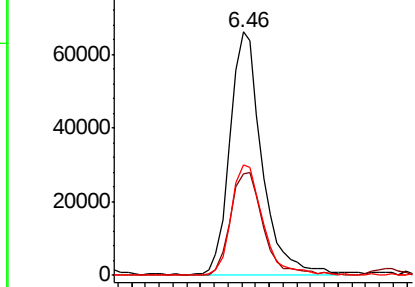
#29
Tetrahydrofuran
Concen: 286.350 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 214359
Ion Ratio Lower Upper
42 100
72 43.2 37.8 56.6
71 44.8 36.7 55.1

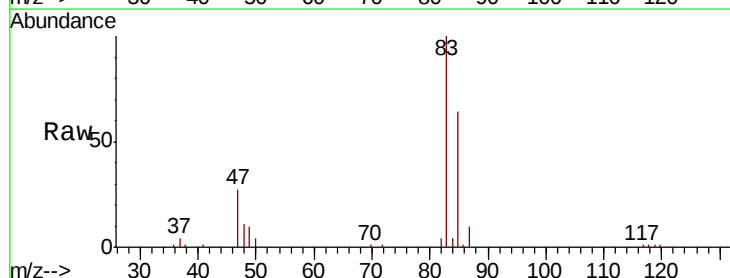


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

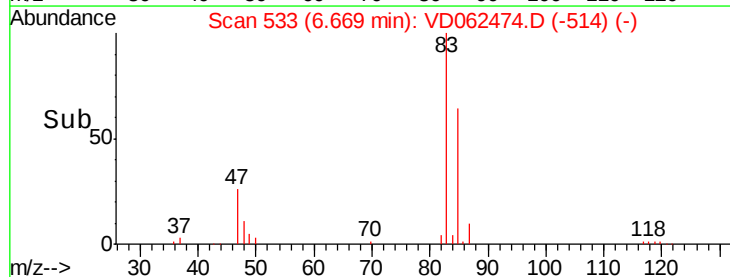
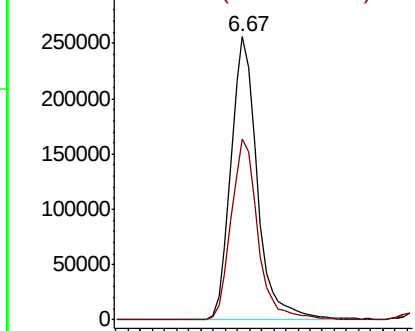


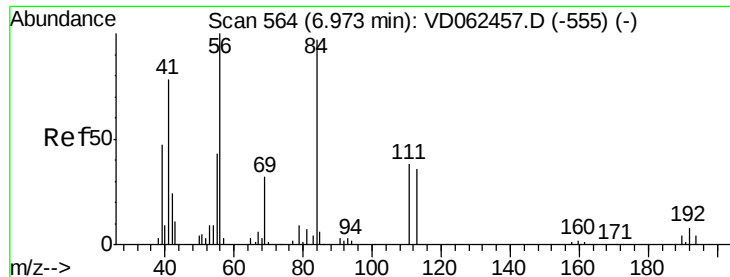
#30
Chloroform
Concen: 51.947 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 83 Resp: 774520
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5



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

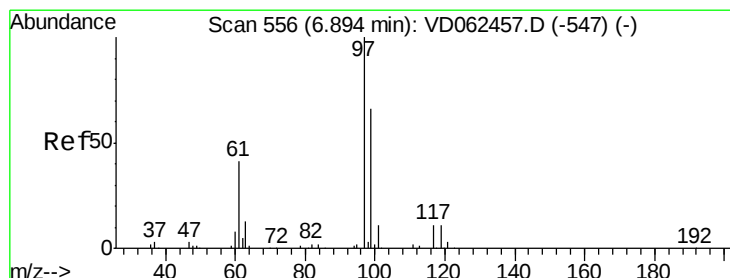
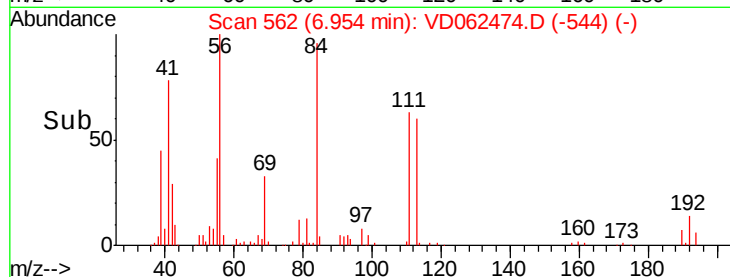
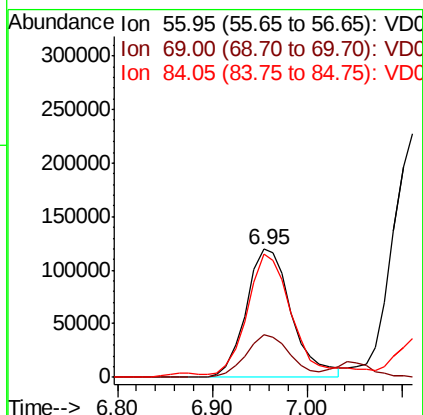
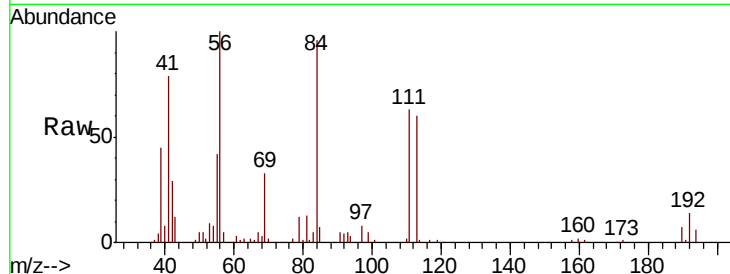




#31
Cyclohexane
Concen: 50.451 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

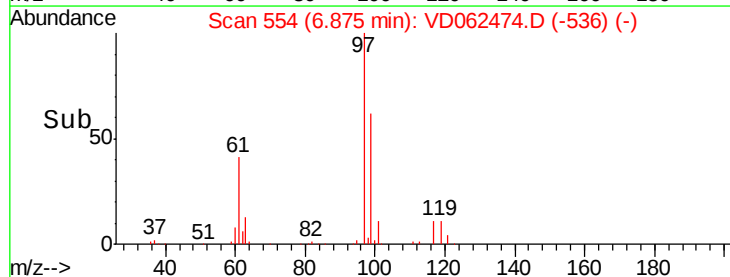
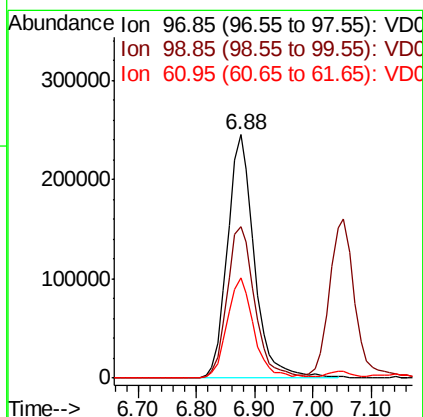
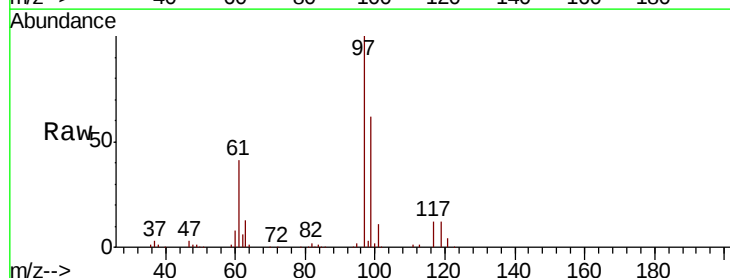
Instrument :
MSVOA_D
ClientSampleId :

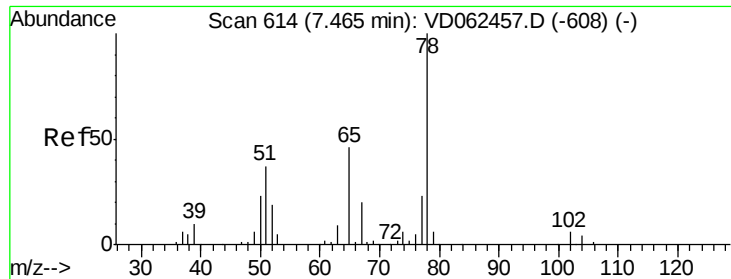
Tot Ion: 56 Resp: 398378
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.6
84 96.3 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 52.091 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 97 Resp: 784121
Ion Ratio Lower Upper
97 100
99 62.0 52.2 78.2
61 41.3 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 51.031 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

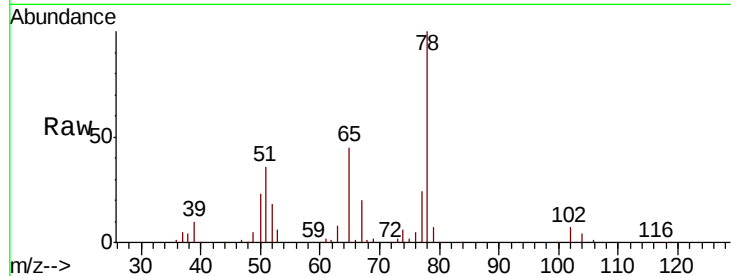
ClientSampleId :

Tot Ion: 65 Resp: 426779

Ion Ratio Lower Upper

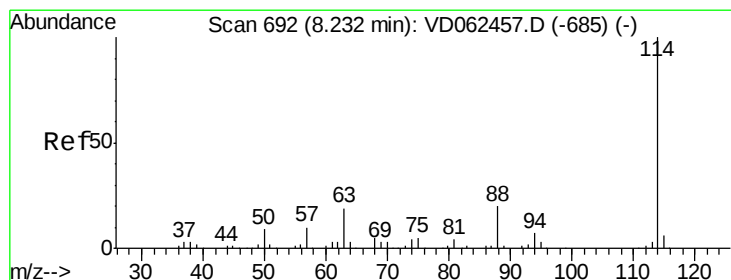
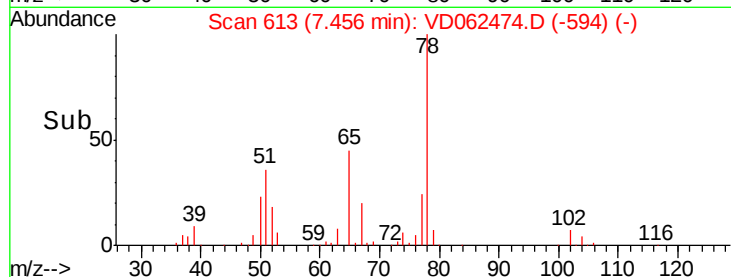
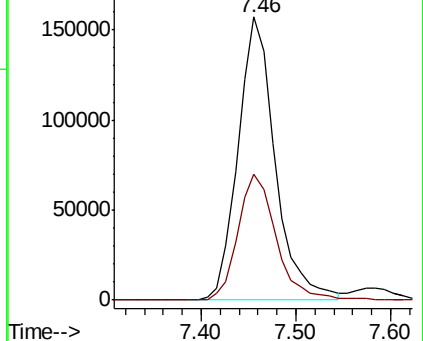
65 100

67 44.6 0.0 98.0



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# 691

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

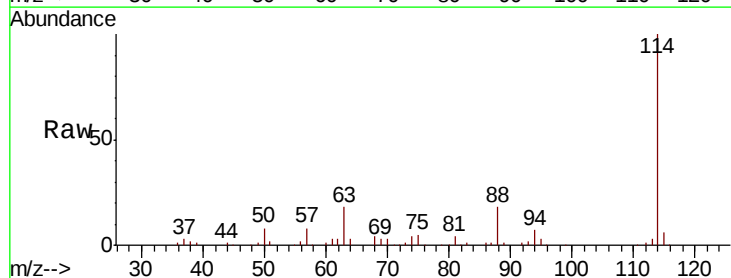
Tgt Ion: 114 Resp: 1122891

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.4

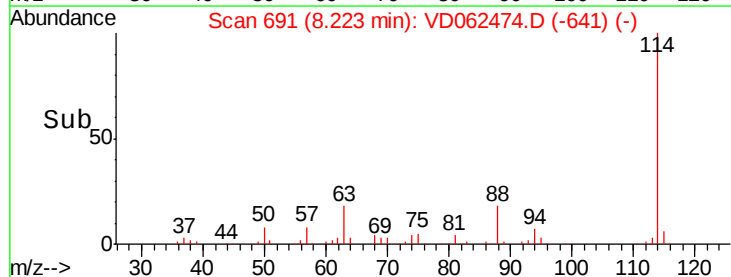
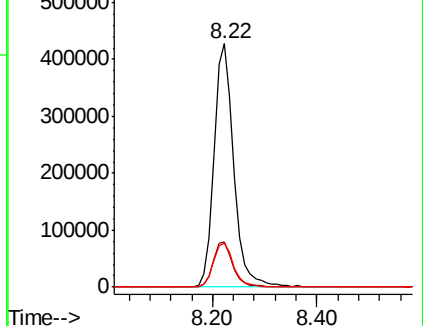
88 18.1 0.0 33.6

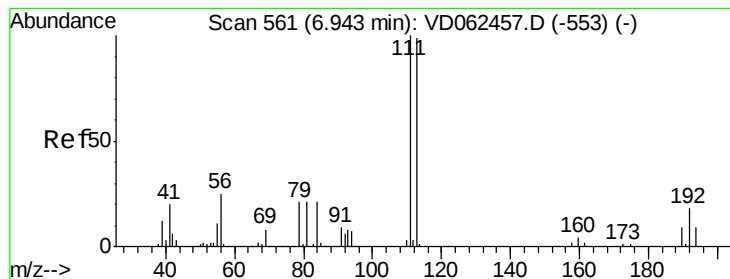


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.596 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

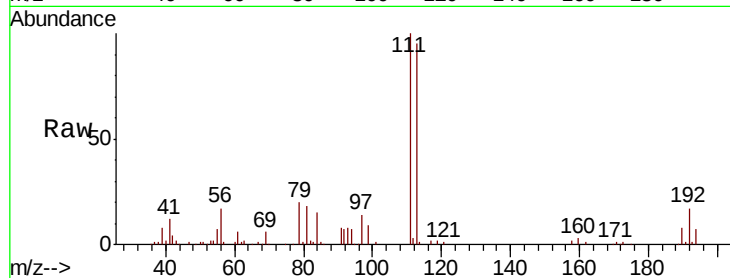
Tot Ion:113 Resp: 512531

Ion Ratio Lower Upper

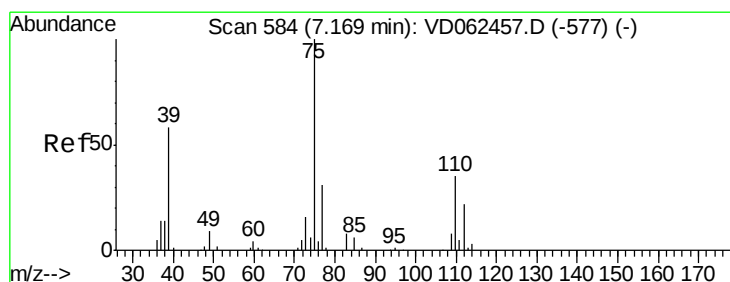
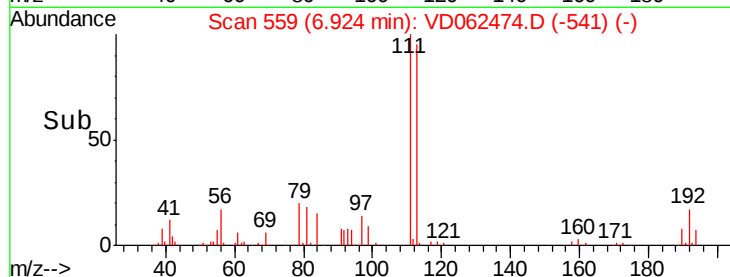
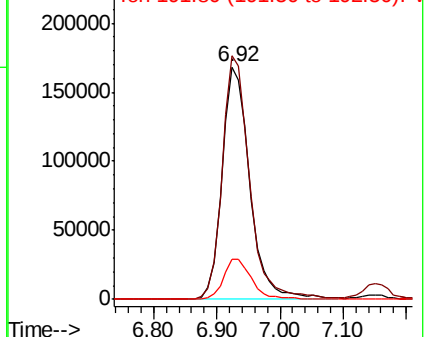
113 100

111 104.8 78.5 117.7

192 17.3 13.0 19.4



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: 47.640 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

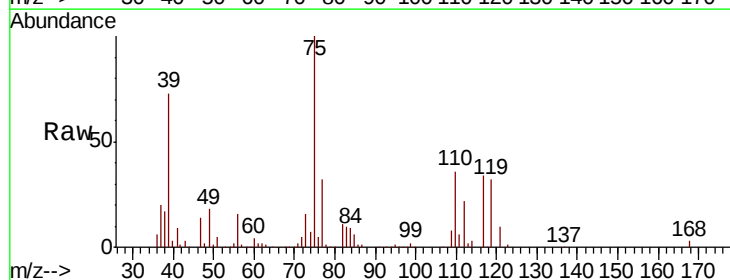
Tgt Ion: 75 Resp: 511448

Ion Ratio Lower Upper

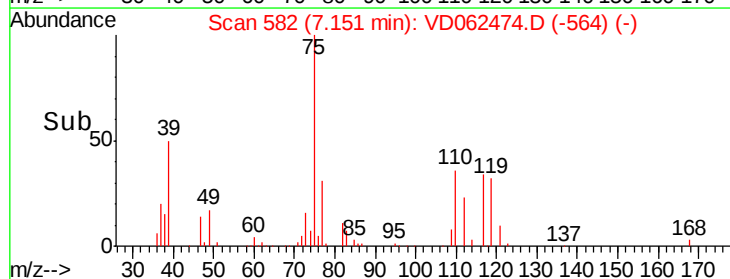
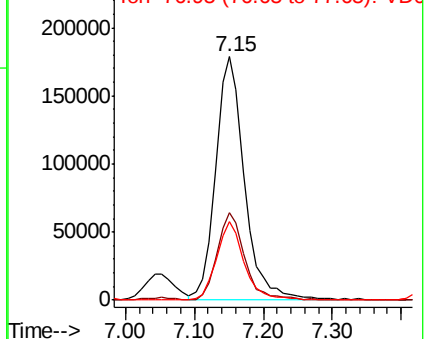
75 100

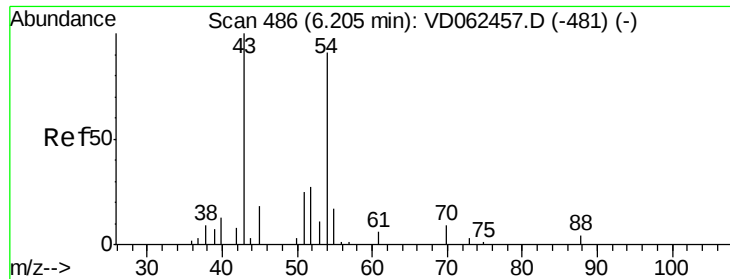
110 35.8 19.1 57.1

77 32.0 25.6 38.4



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

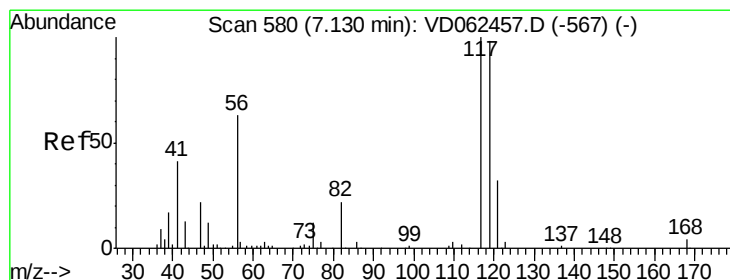
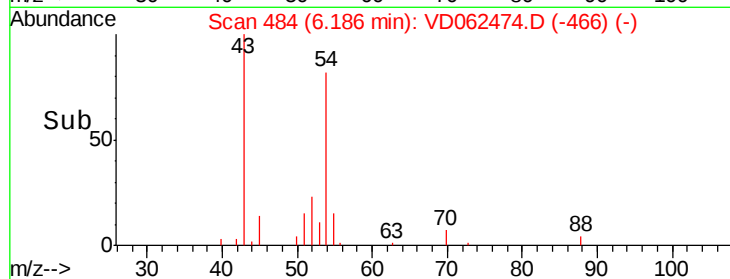
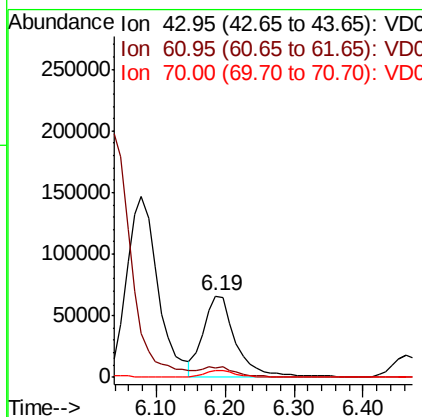
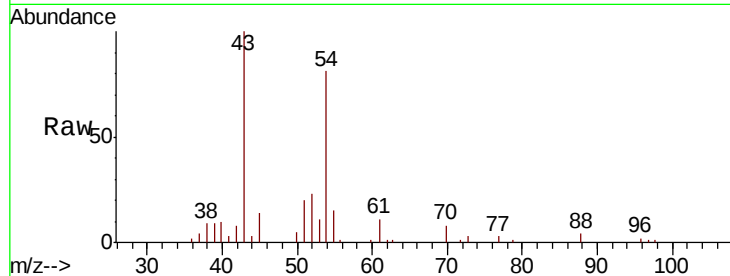




#37
Ethyl Acetate
Concen: 50.678 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

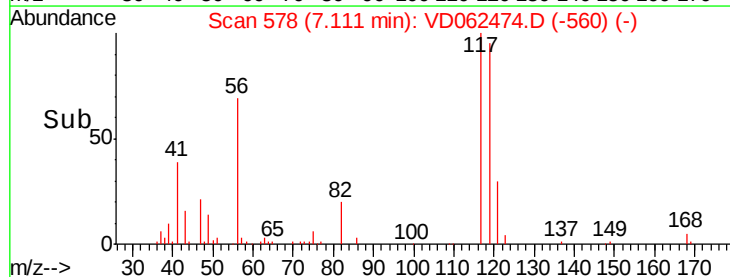
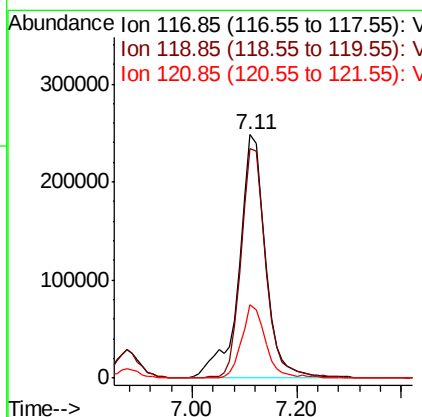
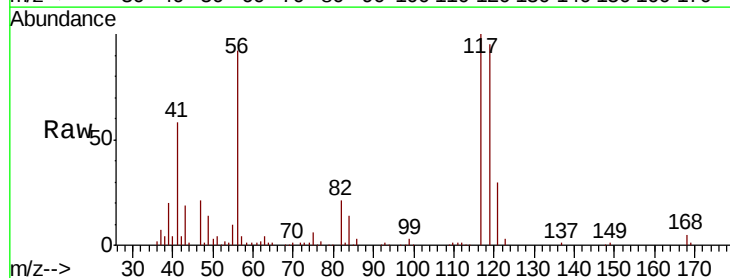
Instrument :
MSVOA_D
ClientSampleId :

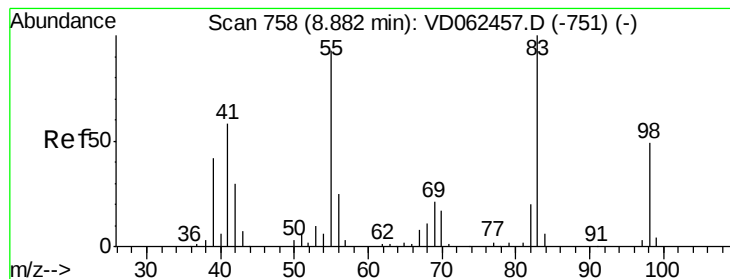
Tot Ion: 43 Resp: 211357
Ion Ratio Lower Upper
43 100
61 10.9 14.7 22.1#
70 8.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 52.814 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 117 Resp: 842670
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8
121 30.2 25.9 38.9





#39

Methvlcvclohexane

Concen: 51.042 ug/l

RT: 8.87 min Scan# 757

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

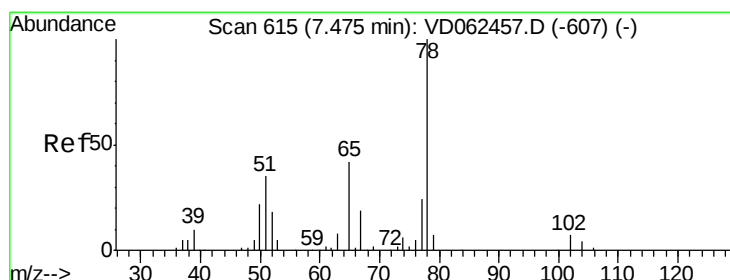
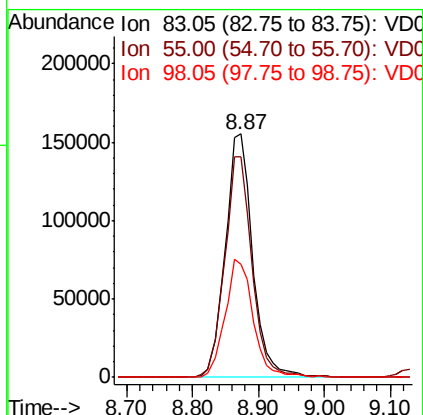
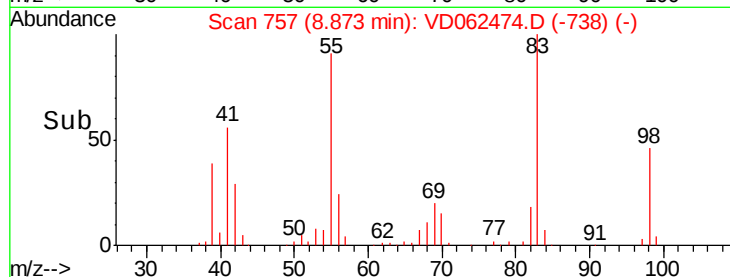
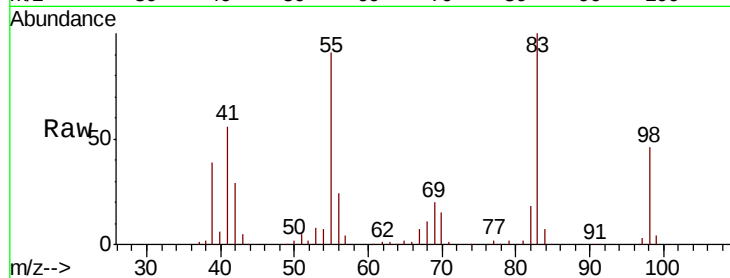
Tot Ion: 83 Resp: 451962

Ion Ratio Lower Upper

83 100

55 90.7 68.2 102.4

98 46.3 38.2 57.4



#40

Benzene

Concen: 48.074 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.02 min

Lab File: VD062474.D

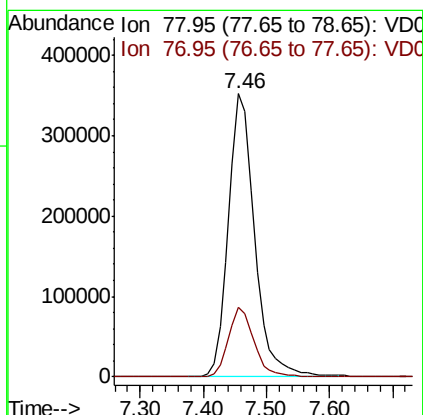
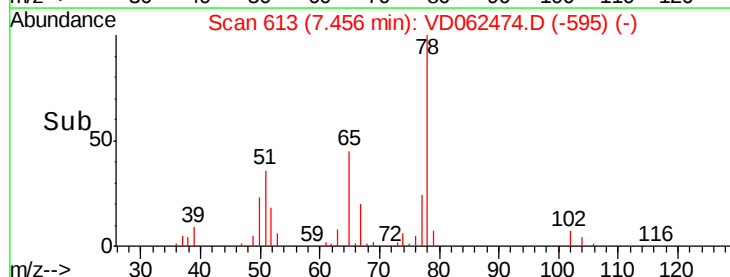
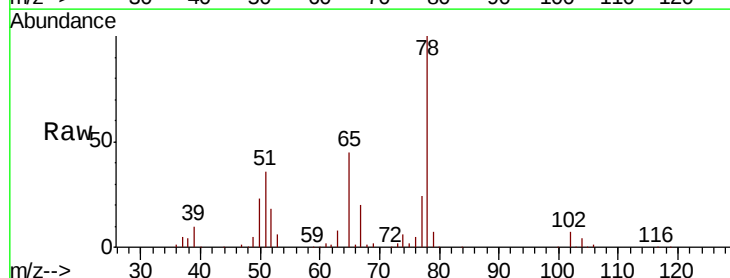
Acq: 21 May 2019 11:49

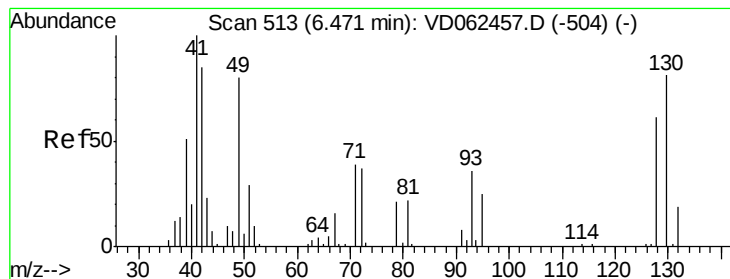
Tgt Ion: 78 Resp: 1012344

Ion Ratio Lower Upper

78 100

77 24.5 19.7 29.5





#41

Methacrylonitrile

Concen: 52.901 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

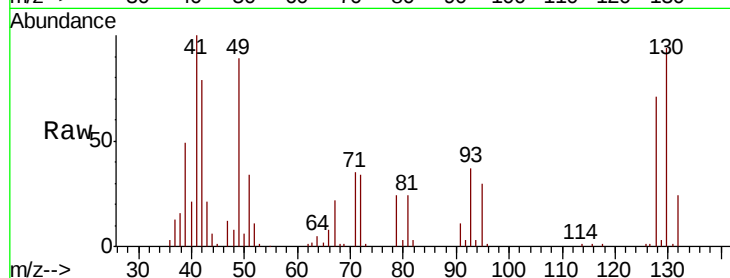
MSVOA_D

ClientSampleID :

Tot Ion: 41 Resp: 277092

Ion Ratio Lower Upper

41	100		
39	49.4	34.1	51.1
67	22.4	23.8	35.6
52	11.9	8.8	13.2



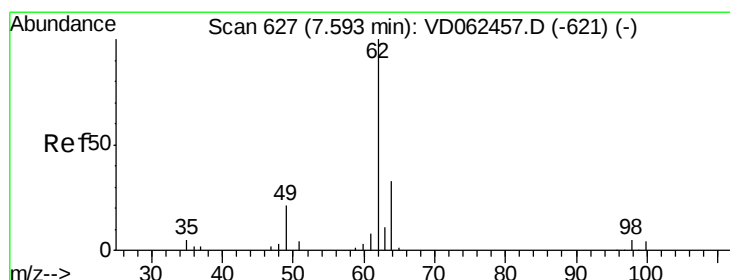
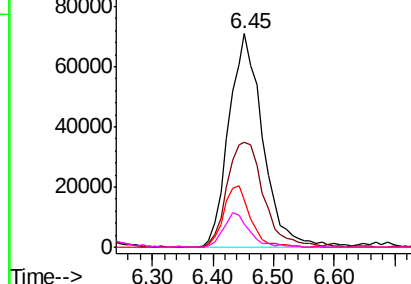
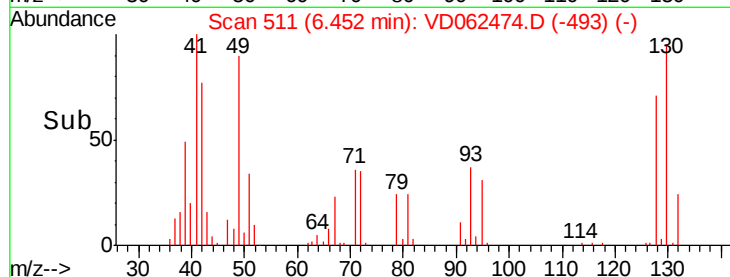
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.036 ug/l

RT: 7.58 min Scan# 626

Delta R.T. -0.01 min

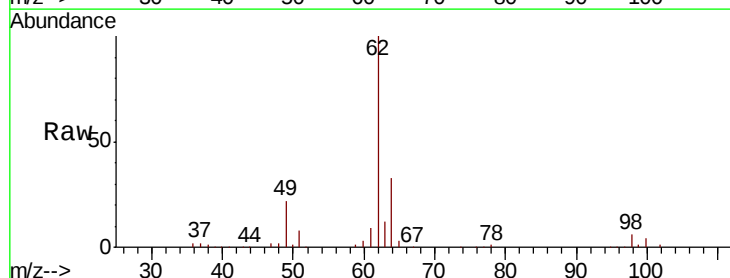
Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion: 62 Resp: 546795

Ion Ratio Lower Upper

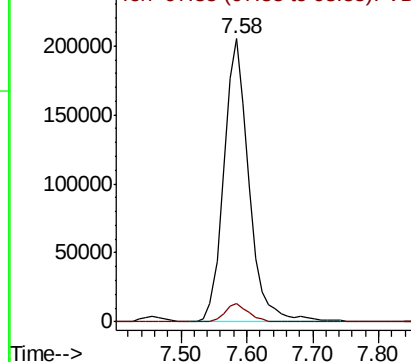
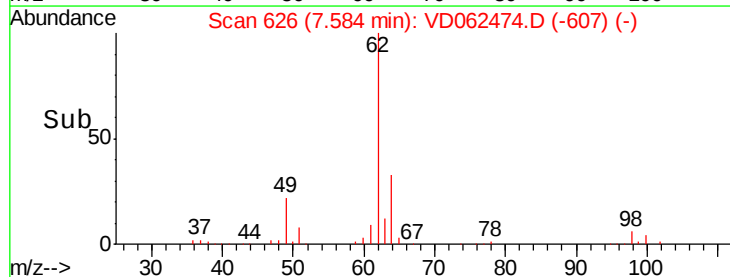
62	100		
98	6.4	0.0	17.8

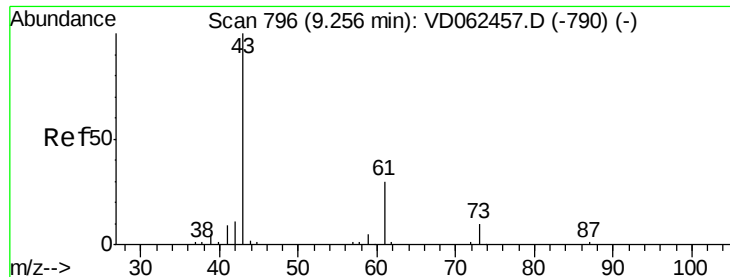


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.977 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

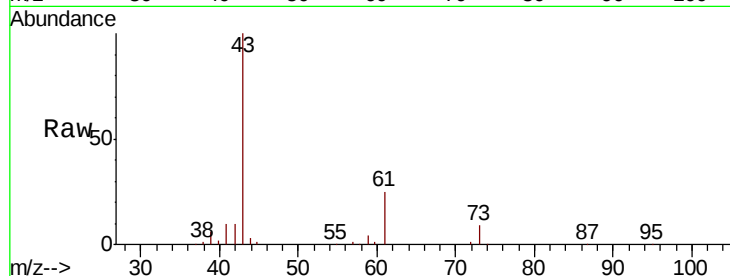
Tot Ion: 43 Resp: 287573

Ion Ratio Lower Upper

43 100

61 25.4 25.1 37.7

87 0.3 0.0 0.0#



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

150000

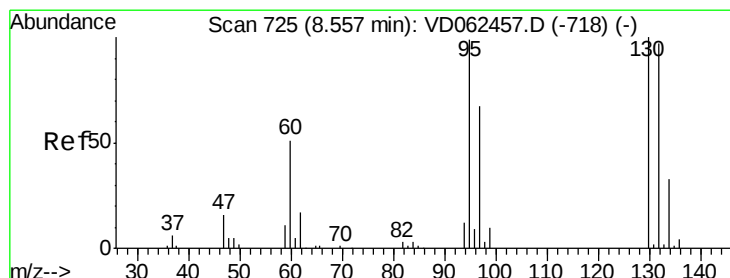
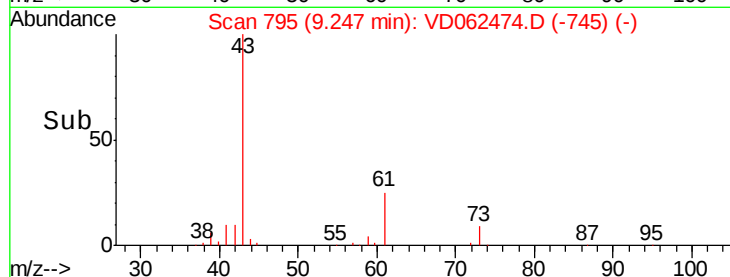
100000

50000

0

9.15 9.20 9.25 9.30

Time-->



#44

Trichloroethene

Concen: 49.895 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD062474.D

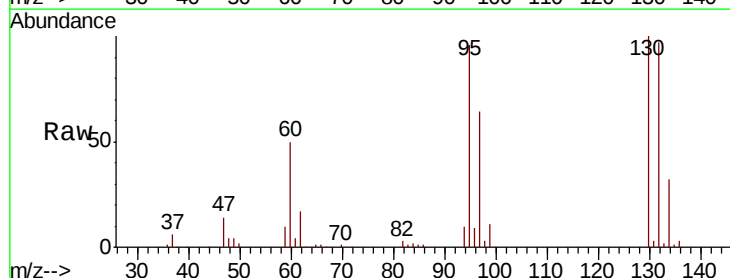
Acq: 21 May 2019 11:49

Tgt Ion: 130 Resp: 420691

Ion Ratio Lower Upper

130 100

95 96.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

200000

150000

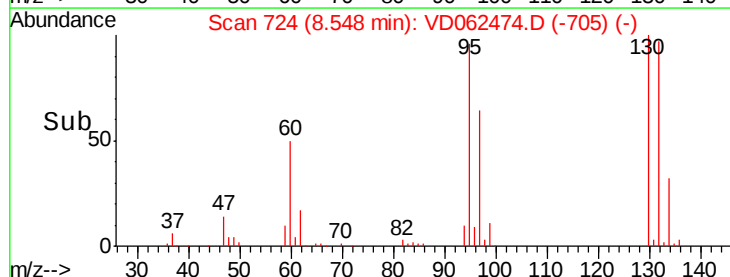
100000

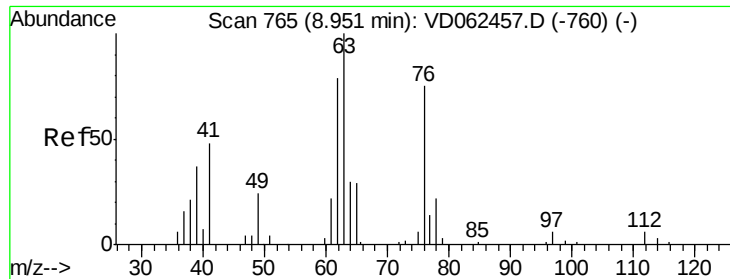
50000

0

8.40 8.50 8.60 8.70

Time-->





#45

1,2-Dichloropropane

Concen: 51.910 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

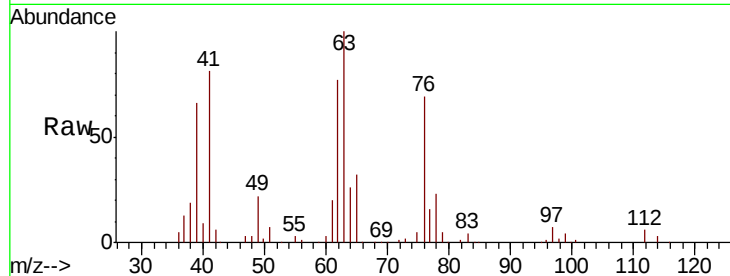
ClientSampled :

Tot Ion: 63 Resp: 266391

Ion Ratio Lower Upper

63 100

65 32.0 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

100000

80000

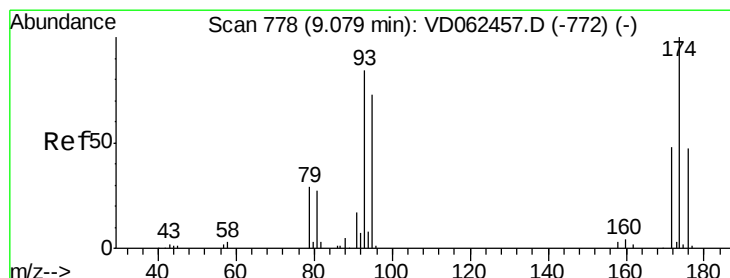
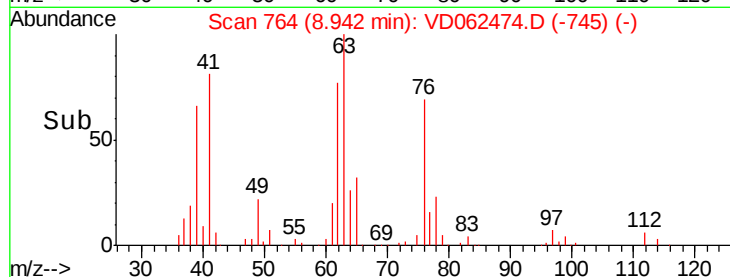
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 50.769 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

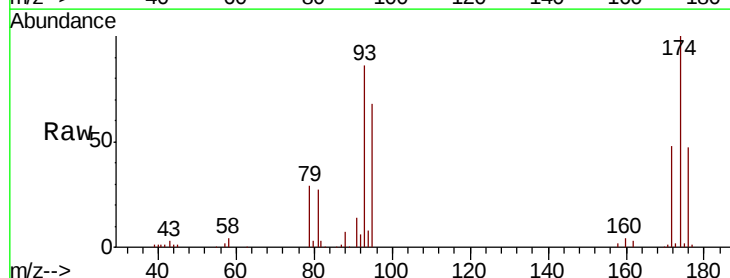
Tgt Ion: 93 Resp: 236167

Ion Ratio Lower Upper

93 100

95 78.7 64.8 97.2

174 116.0 79.3 118.9



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

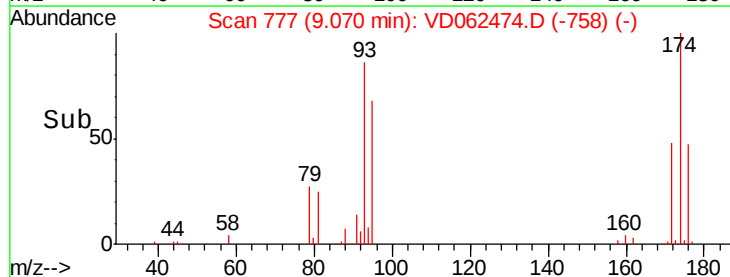
150000

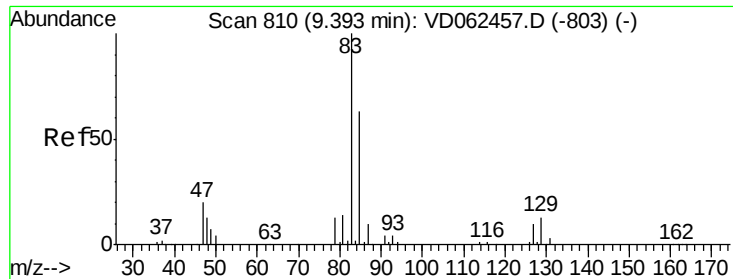
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 51.336 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

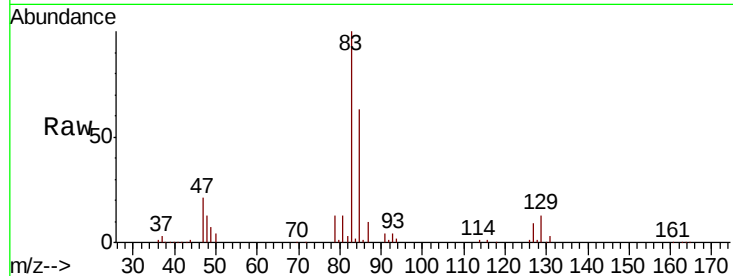
Tot Ion: 83 Resp: 607497

Ion Ratio Lower Upper

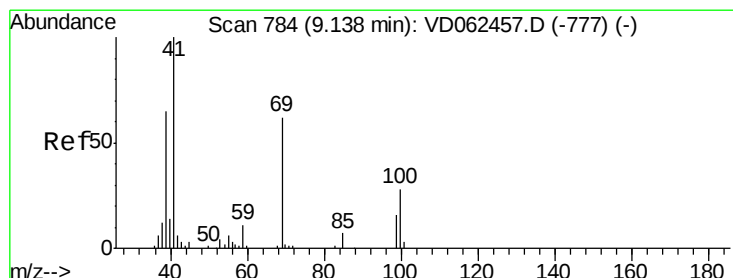
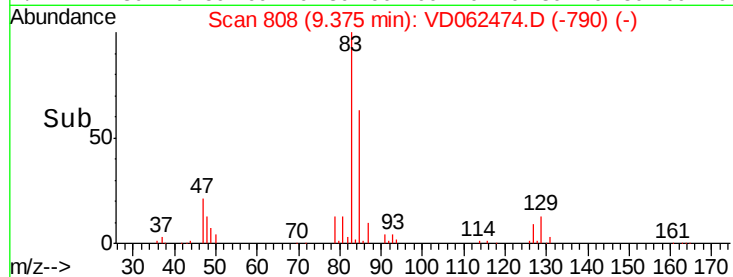
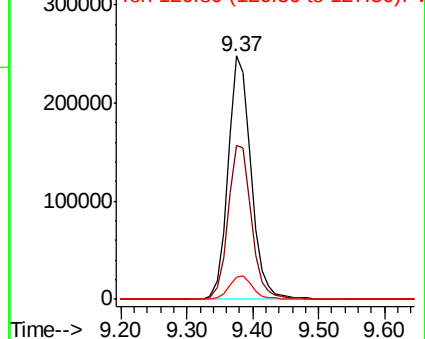
83 100

85 63.5 50.9 76.3

127 9.4 8.1 12.1



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: 50.614 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

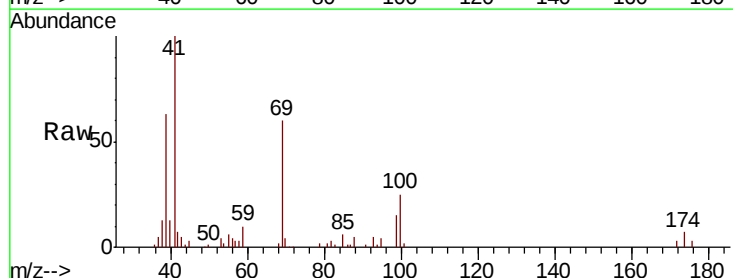
Tgt Ion: 41 Resp: 188447

Ion Ratio Lower Upper

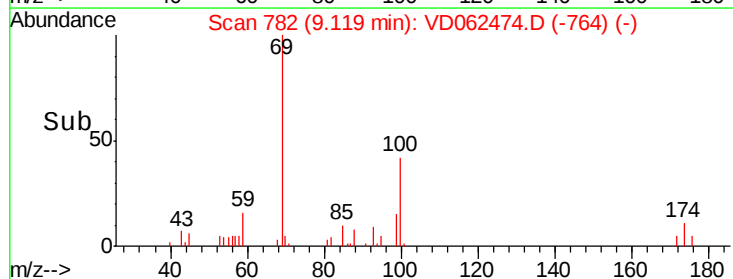
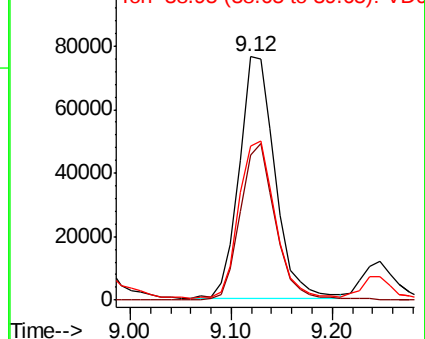
41 100

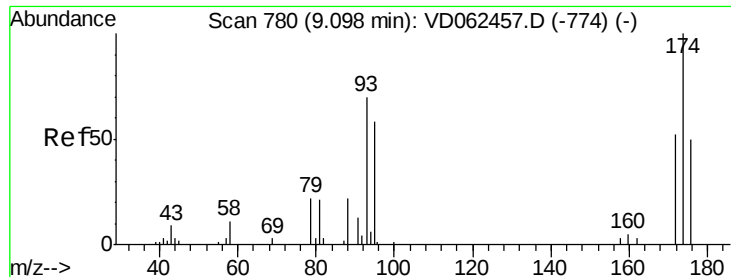
69 59.7 64.2 96.2#

39 63.1 46.8 70.2



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

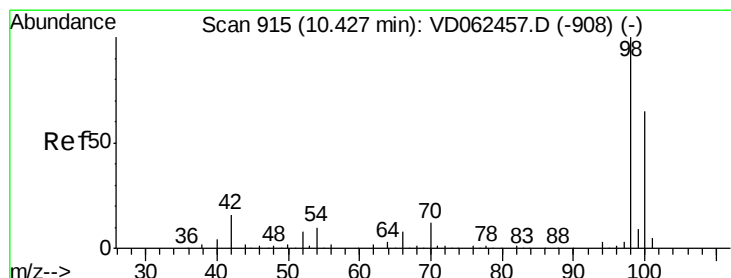
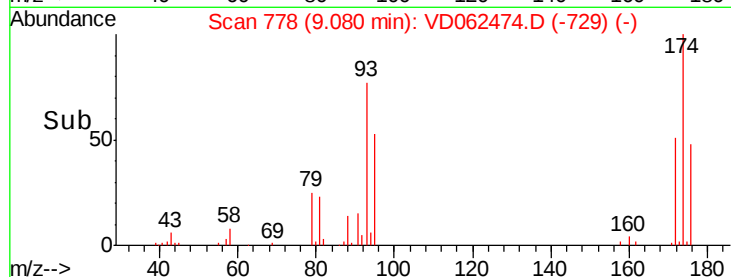
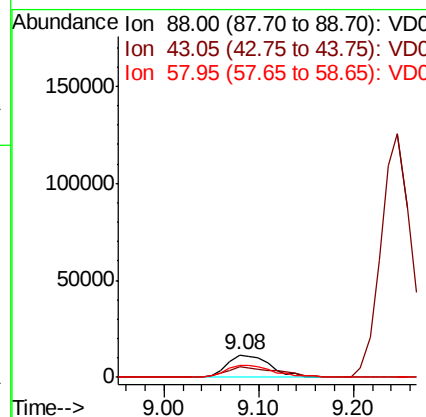
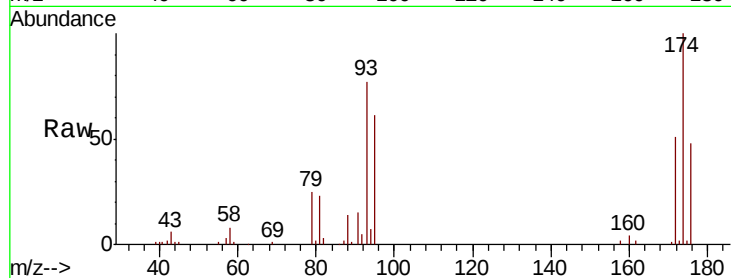




#49
1,4-Dioxane
Concen: 1071.373 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

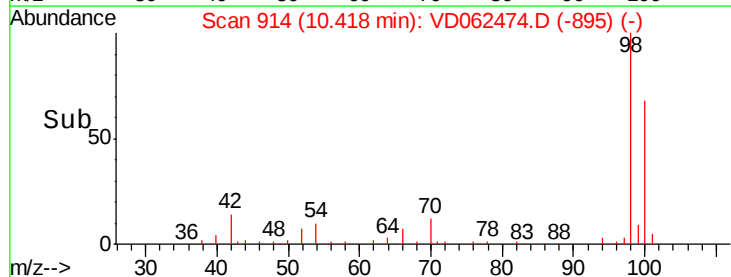
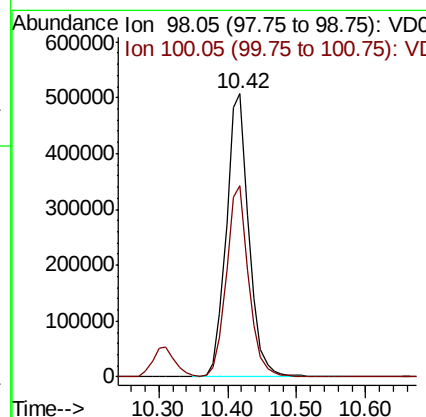
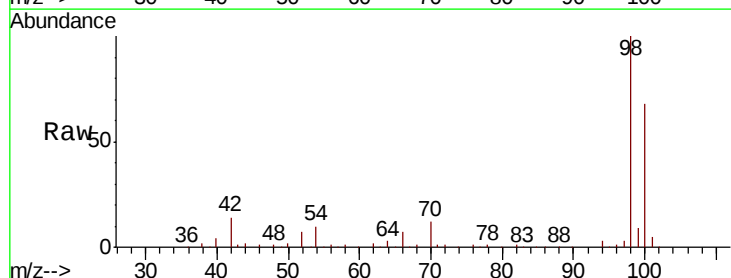
Instrument :
MSVOA_D
ClientSampleId :

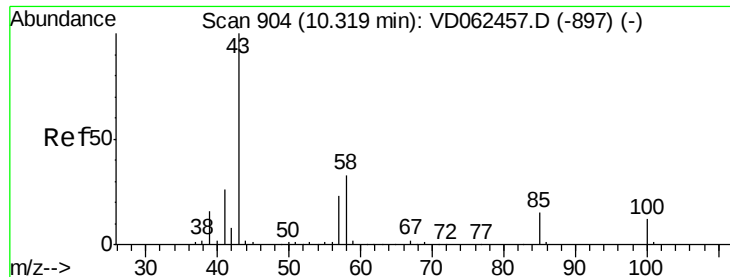
Tot Ion: 88 Resp: 35780
Ion Ratio Lower Upper
88 100
43 44.8 23.4 35.0#
58 54.9 44.0 66.0



#50
Toluene-d8
Concen: 51.527 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 98 Resp: 1142254
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 267.824 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

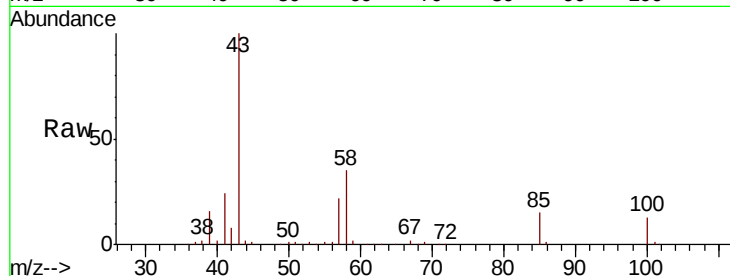
ClientSampleId :

Tot Ion: 43 Resp: 978908

Ion Ratio Lower Upper

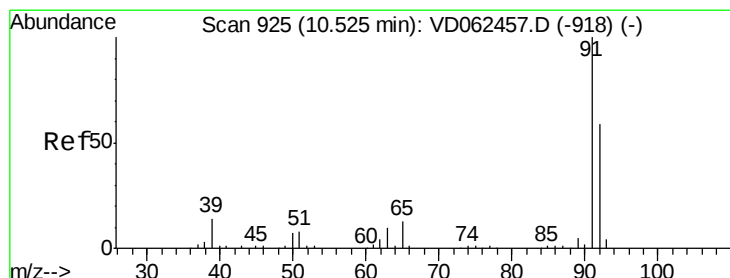
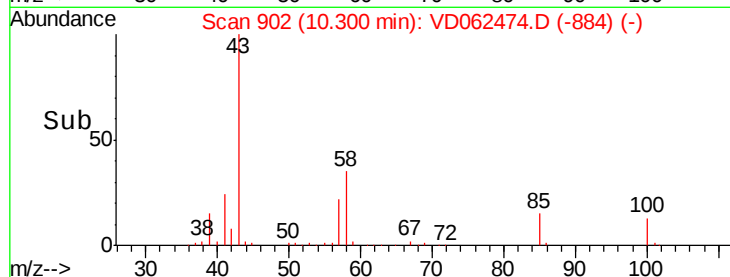
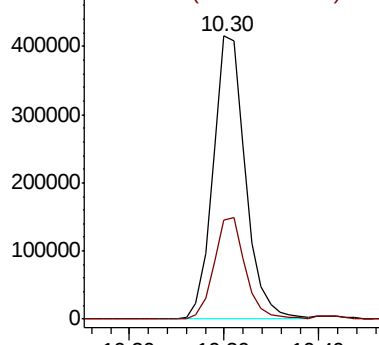
43 100

58 34.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.665 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD062474.D

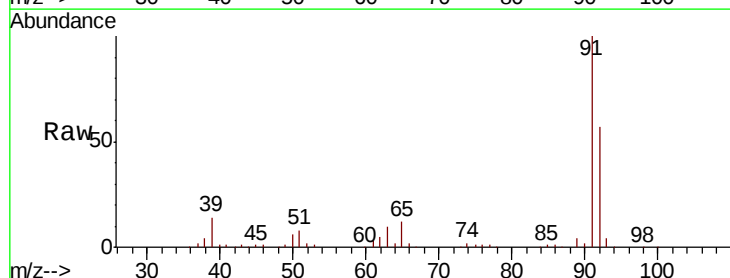
Acq: 21 May 2019 11:49

Tgt Ion: 92 Resp: 687134

Ion Ratio Lower Upper

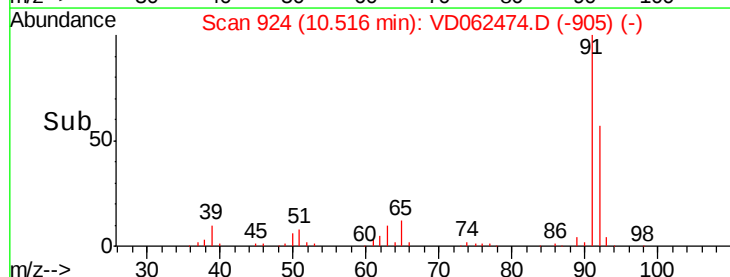
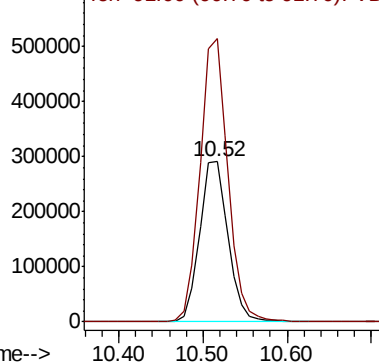
92 100

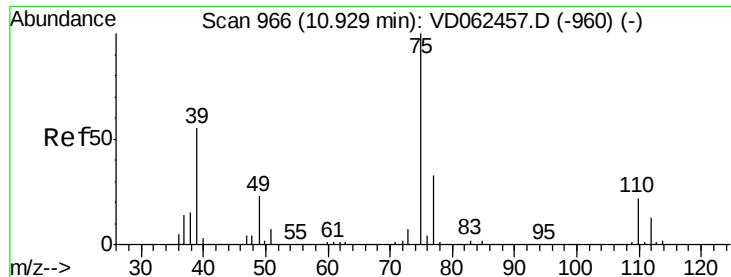
91 176.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

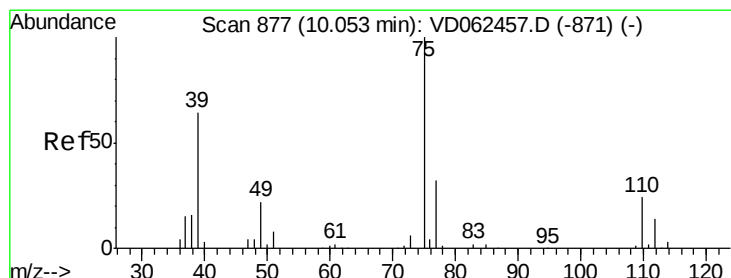
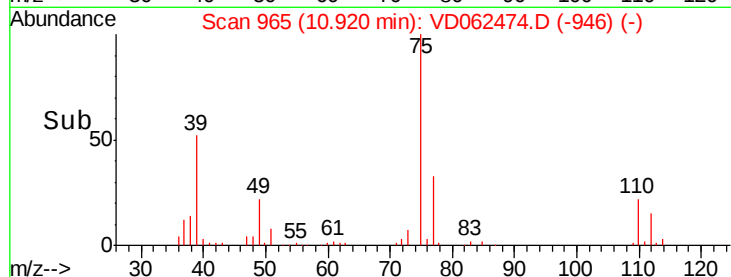
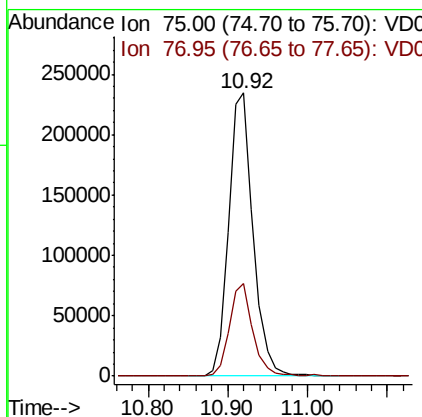
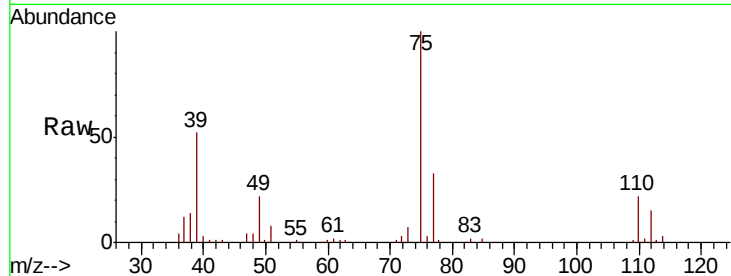




#53
t-1,3-Dichloropropene
Concen: 50.983 ug/l
RT: 10.92 min Scan# 965
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

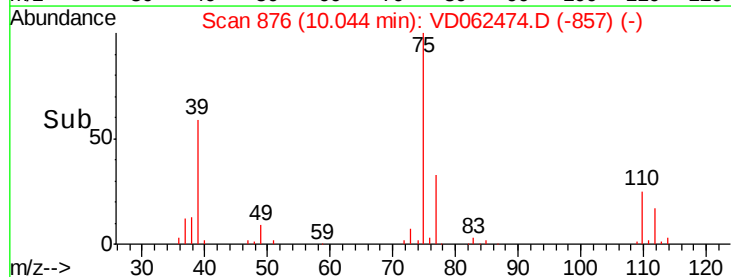
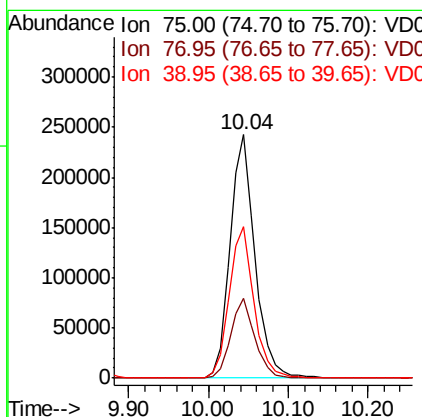
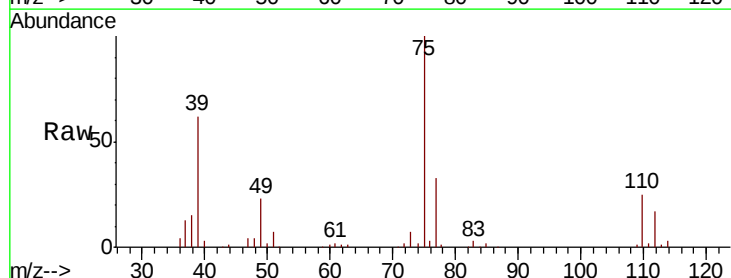
Instrument :
MSVOA_D
ClientSampled :

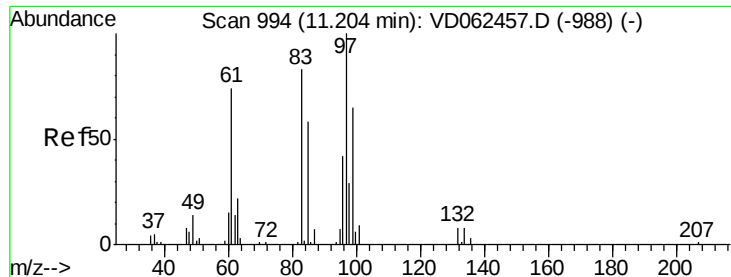
Tot Ion: 75 Resp: 502295
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 51.519 ug/l
RT: 10.04 min Scan# 876
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 75 Resp: 529621
Ion Ratio Lower Upper
75 100
77 32.9 25.5 38.3
39 62.3 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 51.593 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 252078

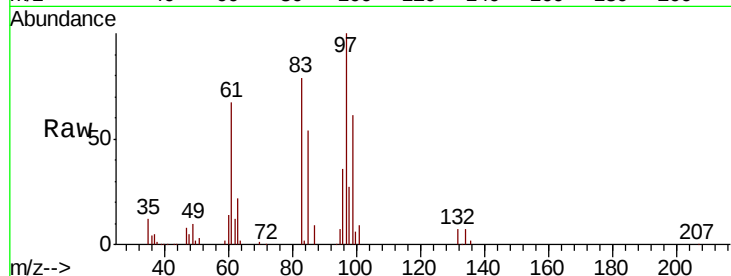
Ion Ratio Lower Upper

97 100

83 78.8 65.7 98.5

85 53.8 45.6 68.4

99 61.0 48.4 72.6

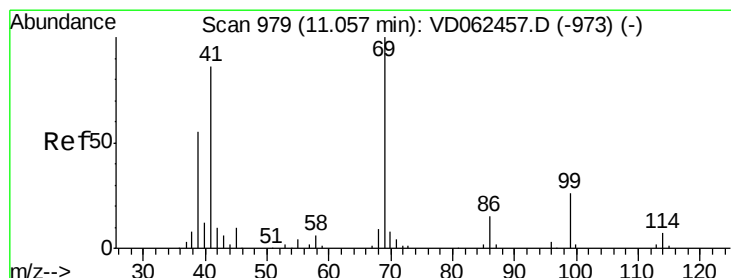
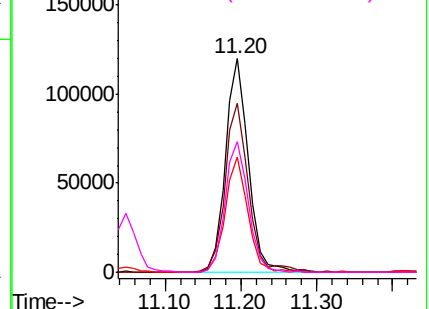
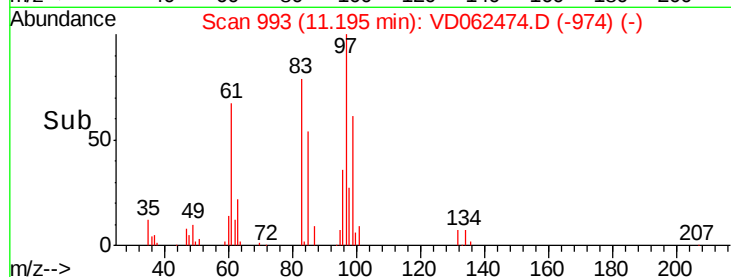


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.935 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

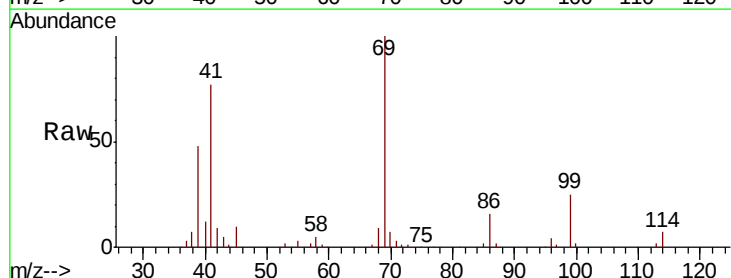
Tgt Ion: 69 Resp: 271261

Ion Ratio Lower Upper

69 100

41 76.9 56.3 84.5

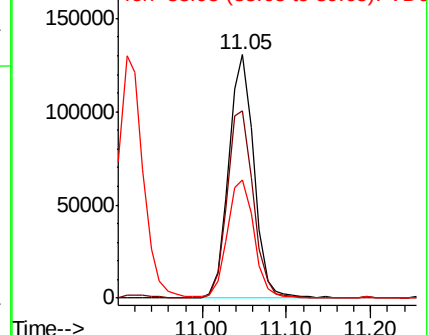
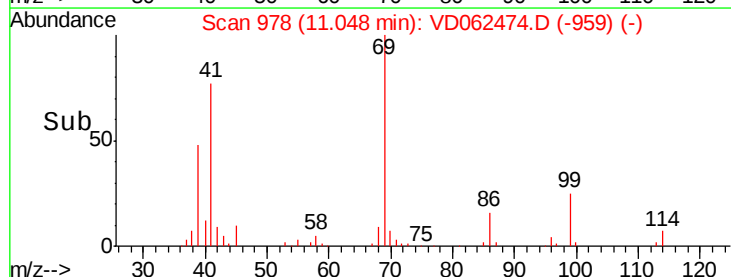
39 48.4 29.4 44.2#

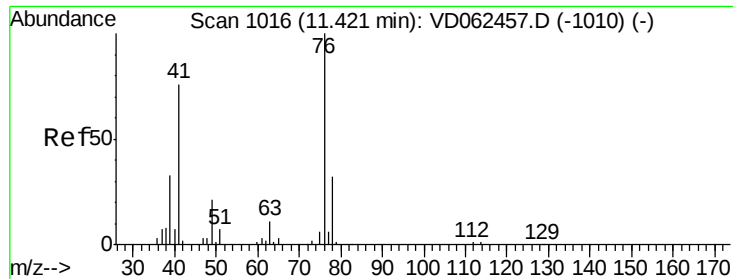


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.103 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

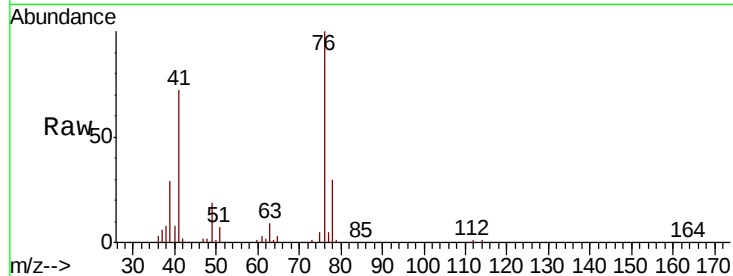
ClientSampled :

Tot Ion: 76 Resp: 390410

Ion Ratio Lower Upper

76 100

78 30.4 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

150000

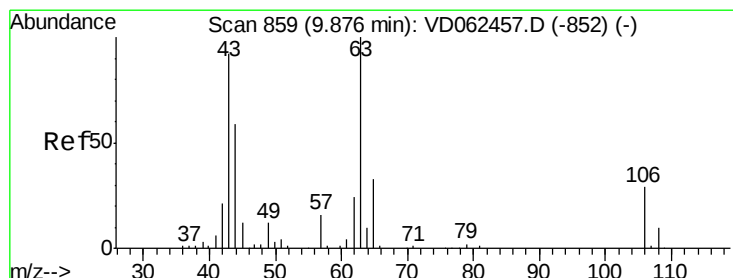
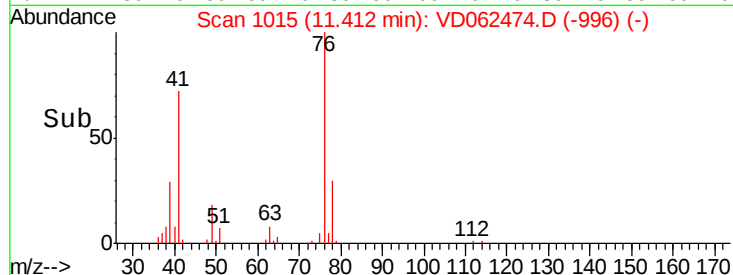
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.862 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.02 min

Lab File: VD062474.D

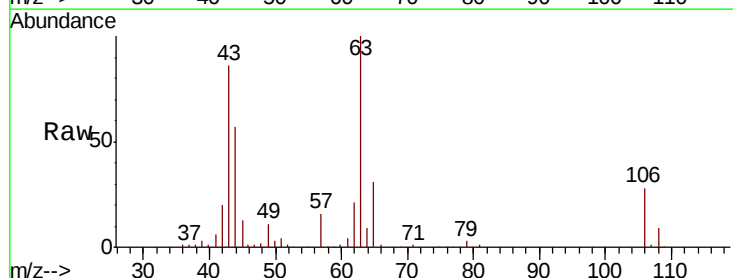
Acq: 21 May 2019 11:49

Tgt Ion: 63 Resp: 680864

Ion Ratio Lower Upper

63 100

106 27.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

300000

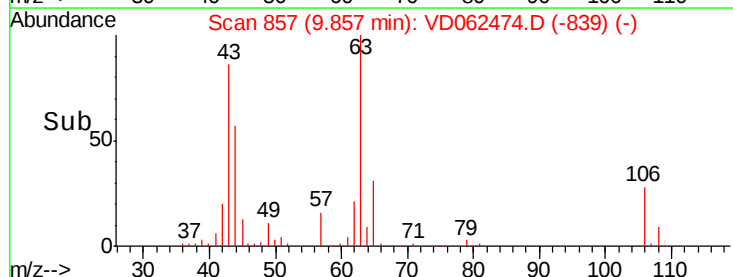
200000

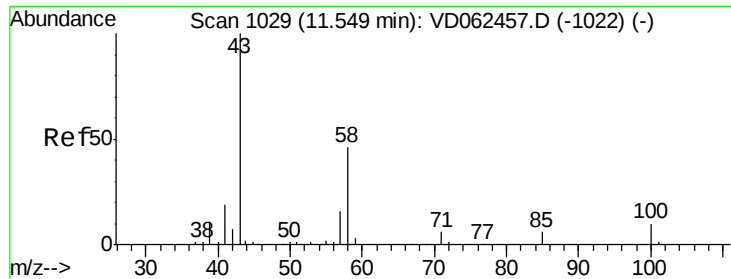
100000

0

9.70 9.80 9.90 10.00

Time-->

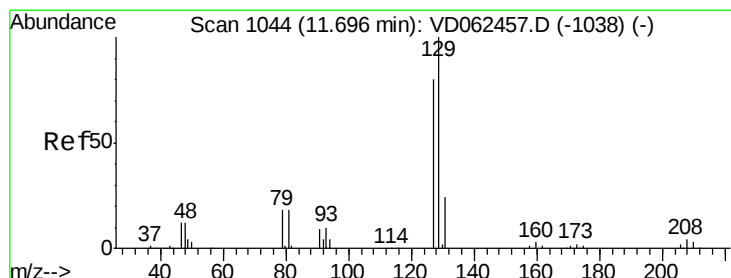
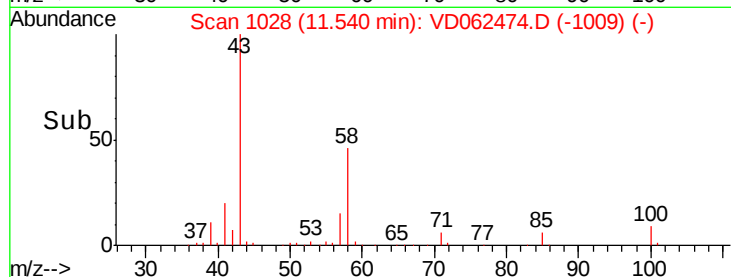
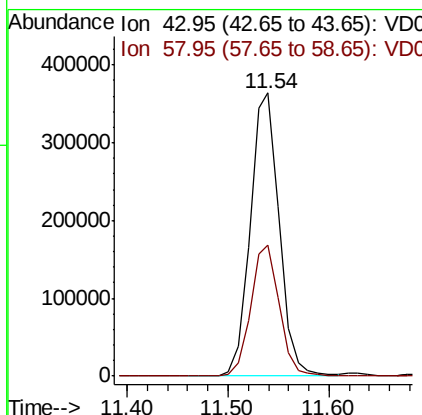
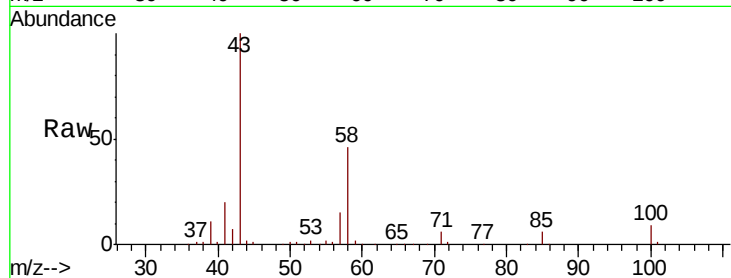




#59
2-Hexanone
Concen: 274.364 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

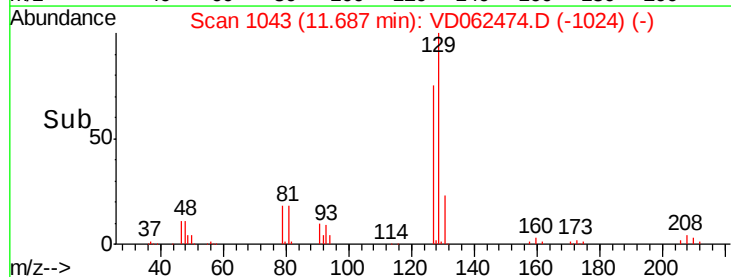
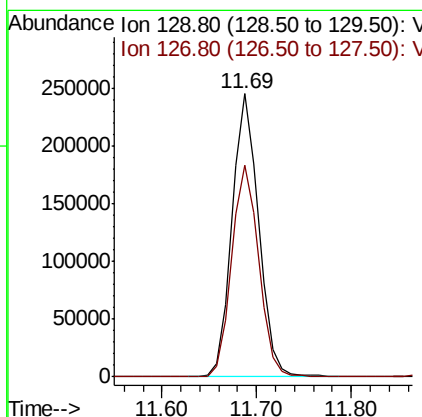
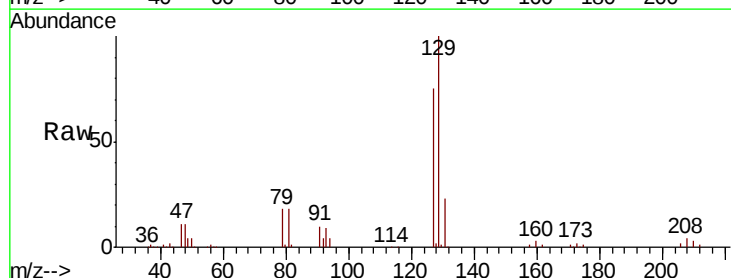
Instrument :
MSVOA_D
ClientSampleId :

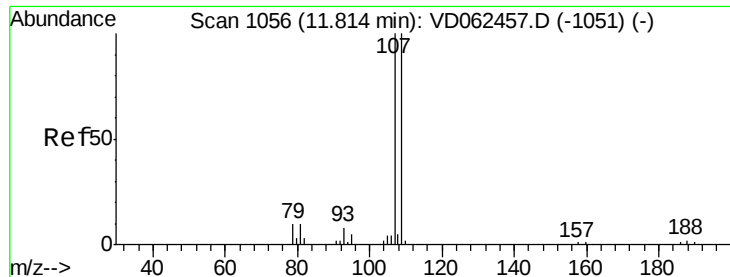
Tot Ion: 43 Resp: 728824
Ion Ratio Lower Upper
43 100
58 46.4 25.4 76.4



#60
Dibromochloromethane
Concen: 50.890 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 129 Resp: 477567
Ion Ratio Lower Upper
129 100
127 74.7 38.0 113.9

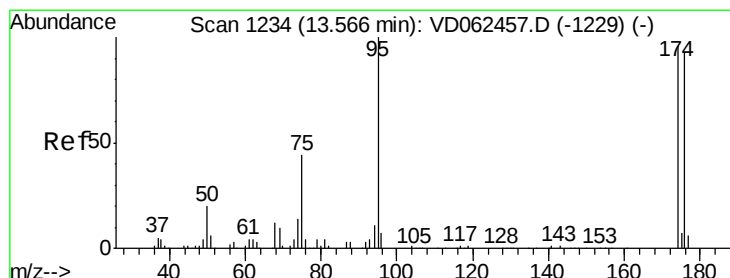
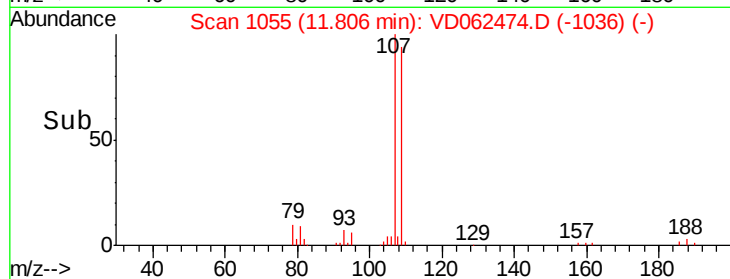
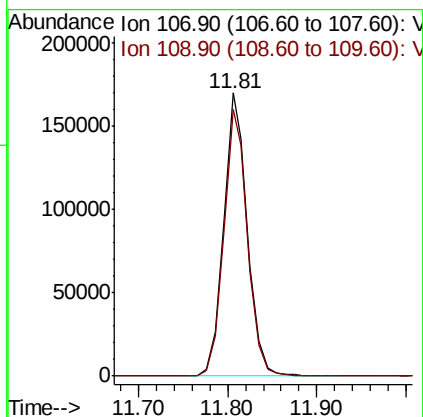
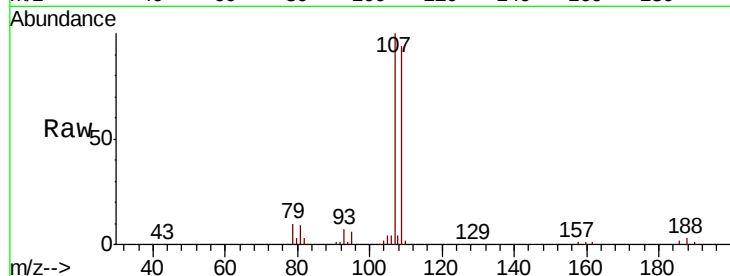




#61
 1,2-Dibromoethane
 Concen: 52.417 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

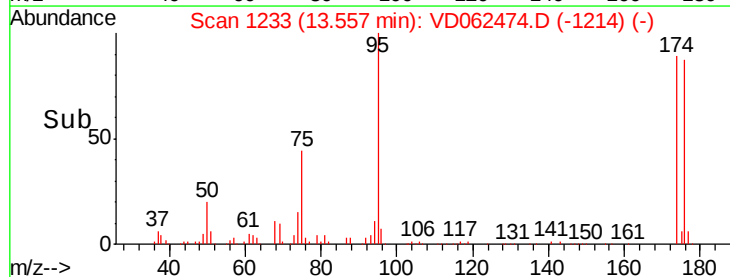
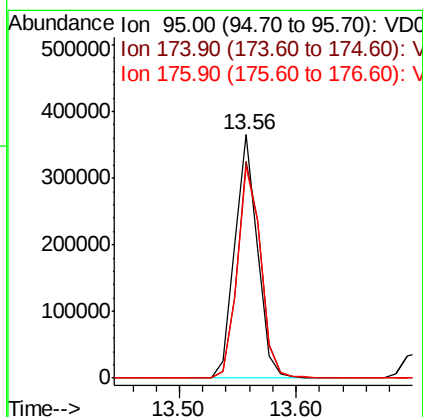
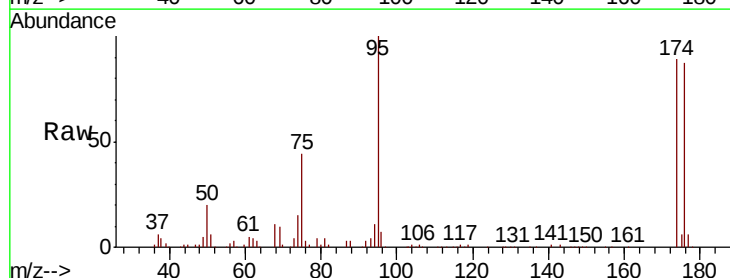
Instrument :
 MSVOA_D
 ClientSampleId :

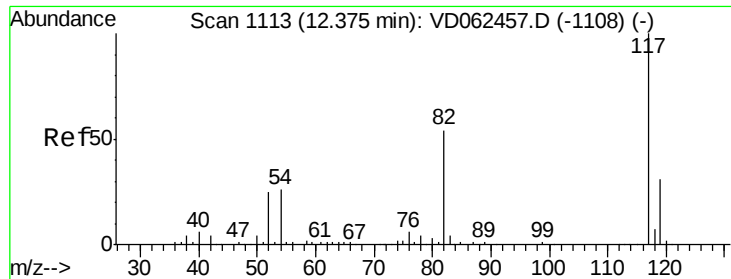
Tot Ion:107 Resp: 315612
 Ion Ratio Lower Upper
 107 100
 109 94.3 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.479 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion: 95 Resp: 489504
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 181.8
 176 86.7 0.0 174.4

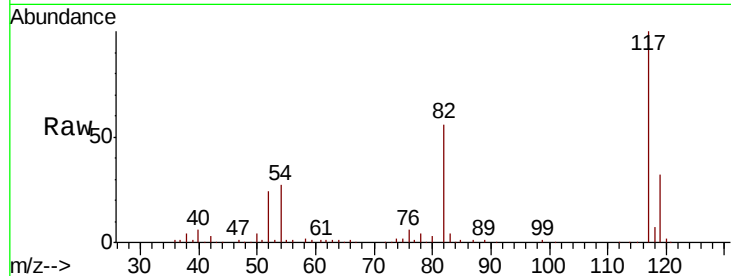




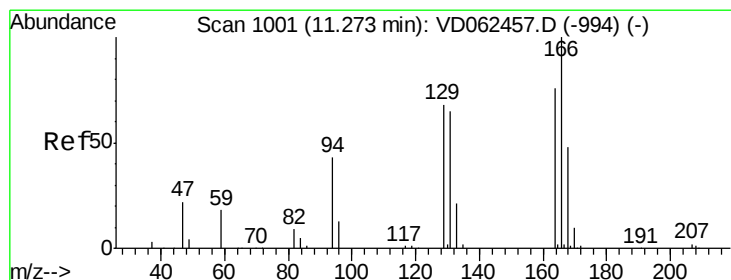
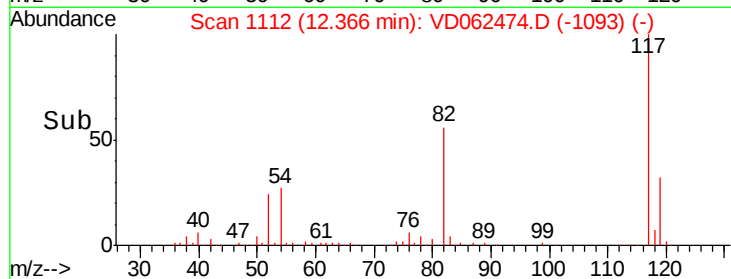
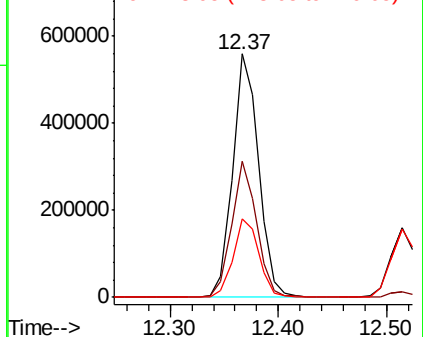
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 932807
Ion Ratio Lower Upper
117 100
82 55.8 36.2 54.2#
119 32.0 26.2 39.4

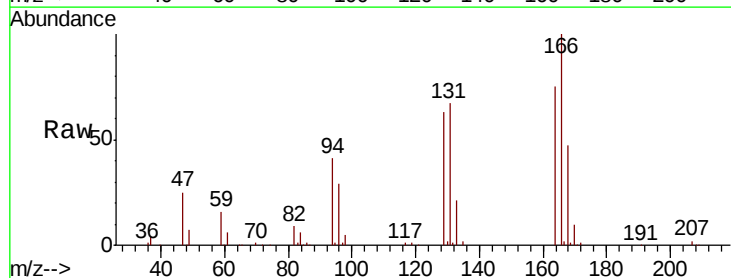


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

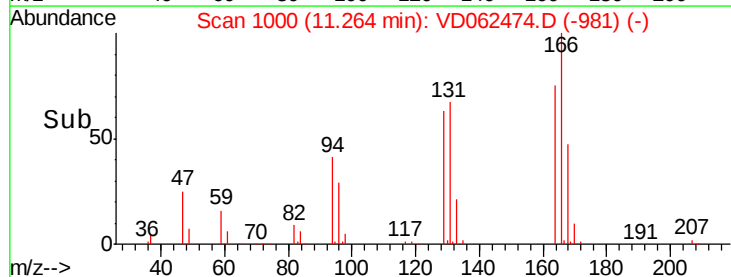
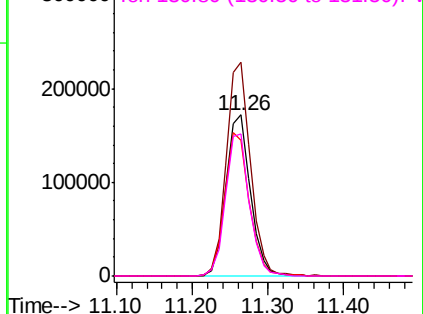


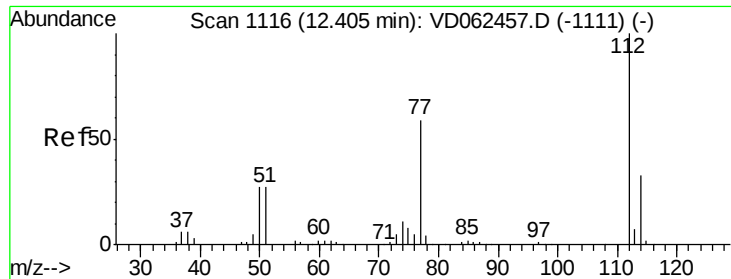
#64
Tetrachloroethene
Concen: 49.066 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:164 Resp: 383226
Ion Ratio Lower Upper
164 100
166 132.7 101.5 152.3
129 84.1 74.6 112.0
131 88.5 72.6 108.8



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

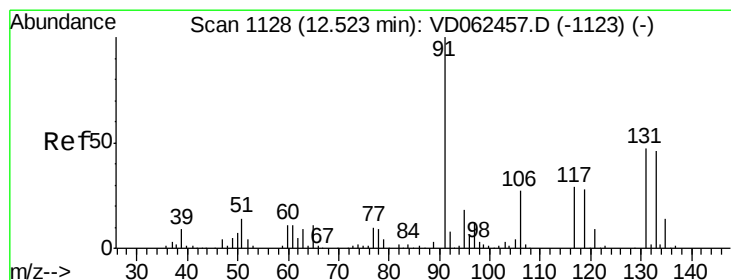
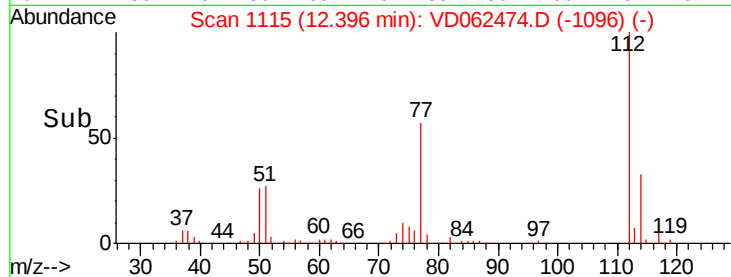
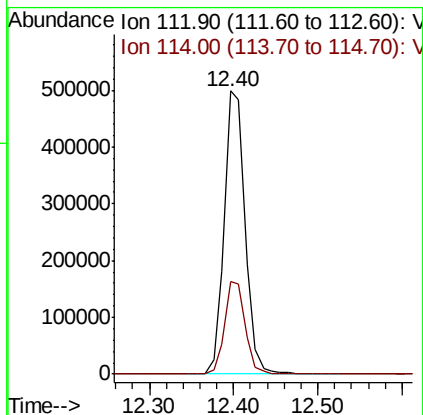
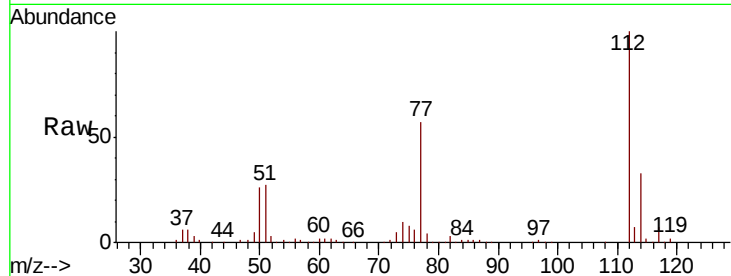




#65
Chlorobenzene
Concen: 47.675 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

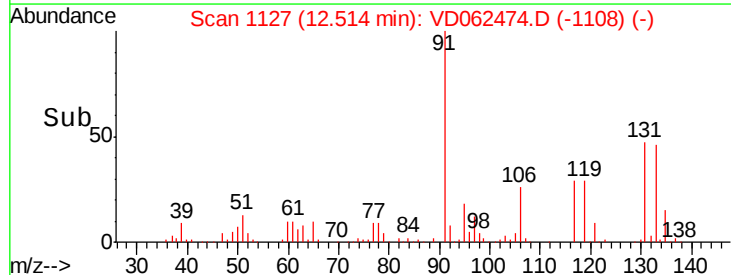
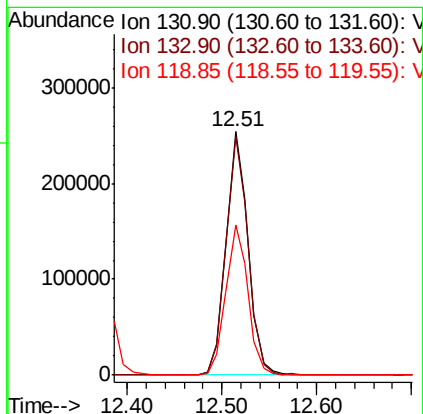
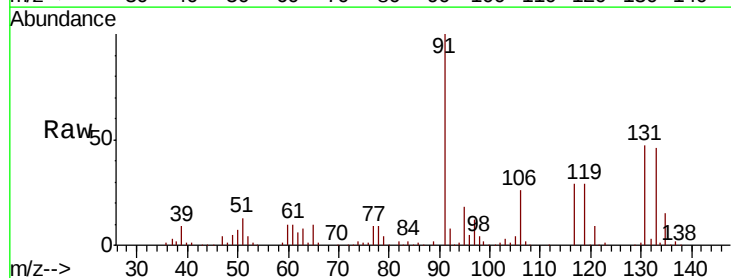
Instrument :
MSVOA_D
ClientSampleId :

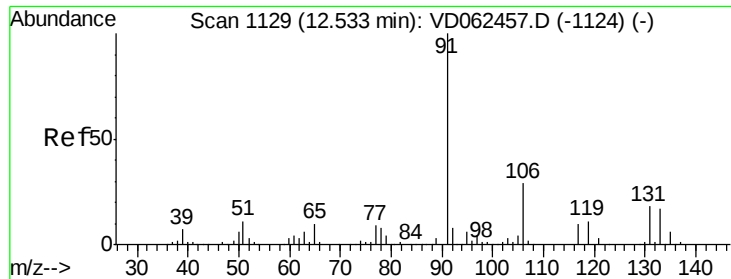
Tot Ion:112 Resp: 855210
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.943 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:131 Resp: 405266
Ion Ratio Lower Upper
131 100
133 98.1 48.6 145.8
119 61.7 34.7 104.1

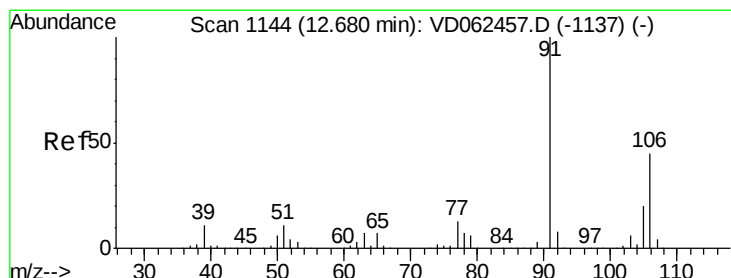
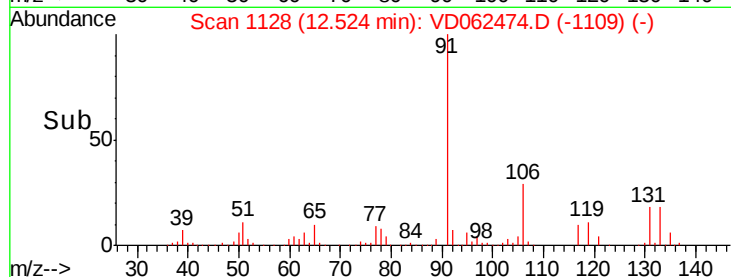
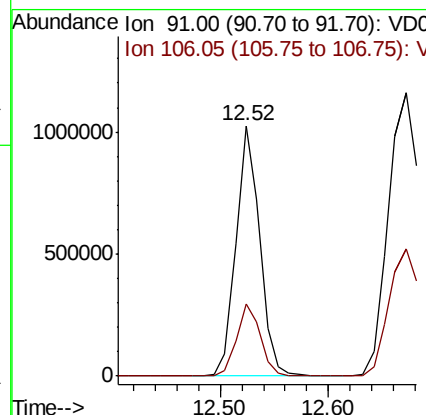
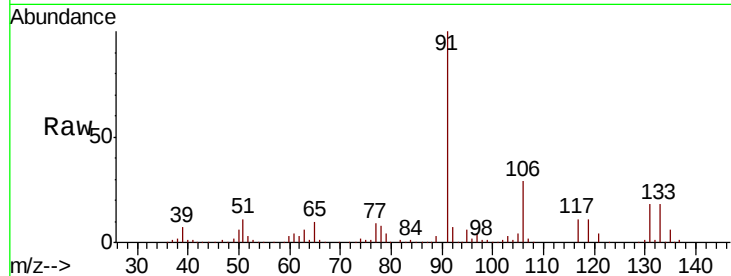




#67
Ethyl Benzene
Concen: 50.751 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

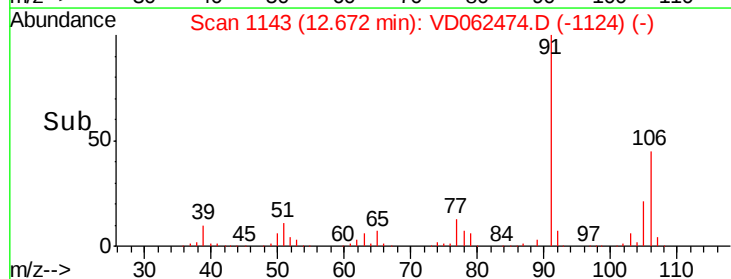
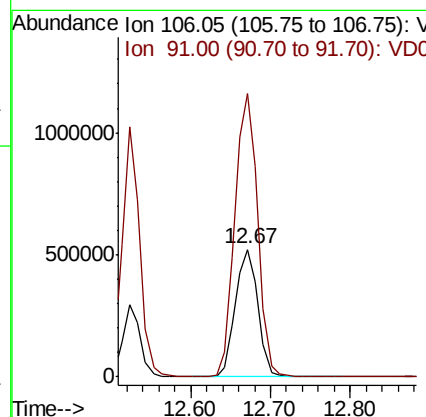
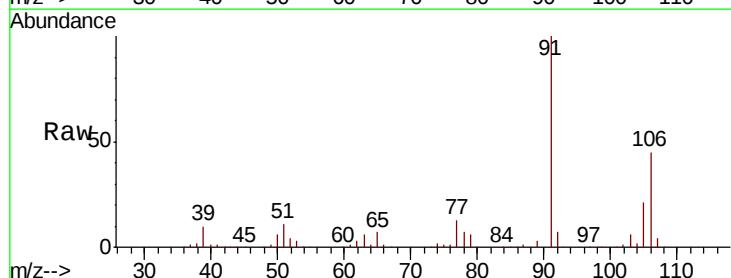
Instrument :
MSVOA_D
ClientSampled :

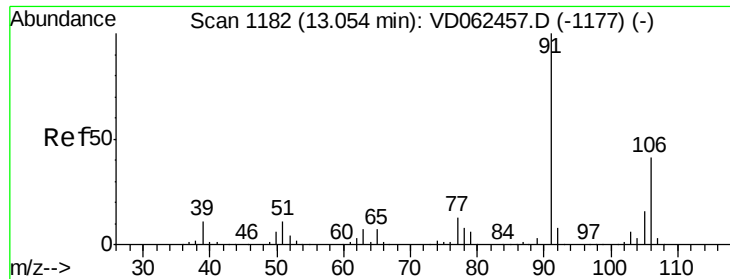
Tot Ion: 91 Resp: 1568070
Ion Ratio Lower Upper
91 100
106 28.8 24.7 37.1



#68
m/p-Xylenes
Concen: 93.865 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:106 Resp: 1041056
Ion Ratio Lower Upper
106 100
91 221.6 164.0 246.0

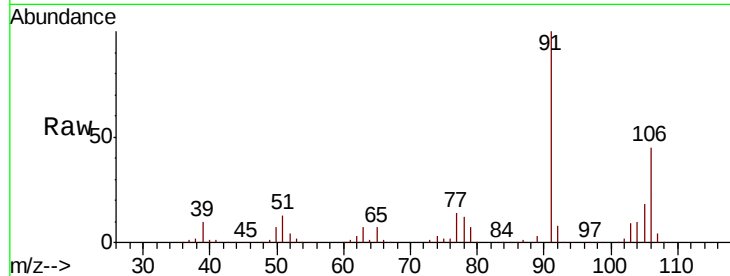




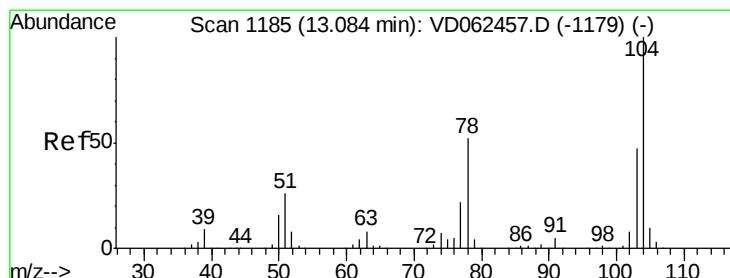
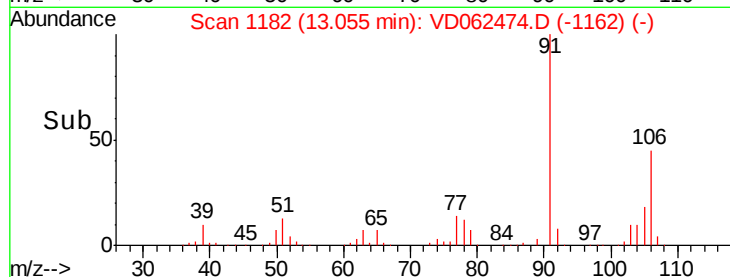
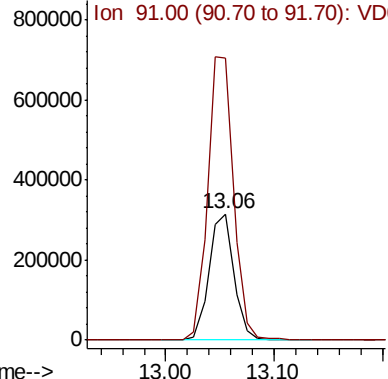
#69
o-Xylene
Concen: 48.546 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 508021
Ion Ratio Lower Upper
106 100
91 223.0 106.7 319.9

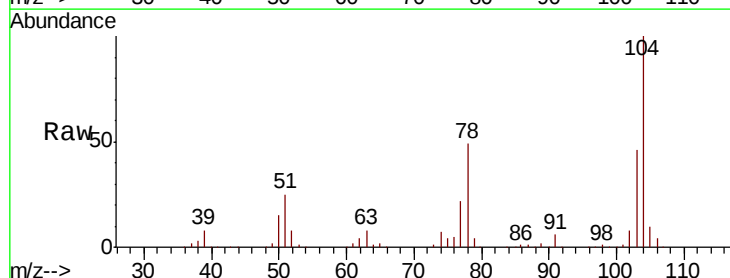


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

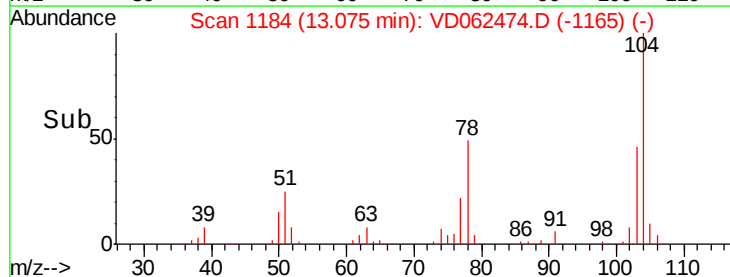
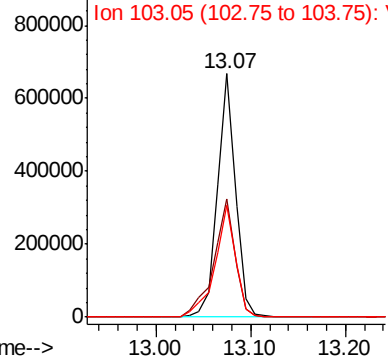


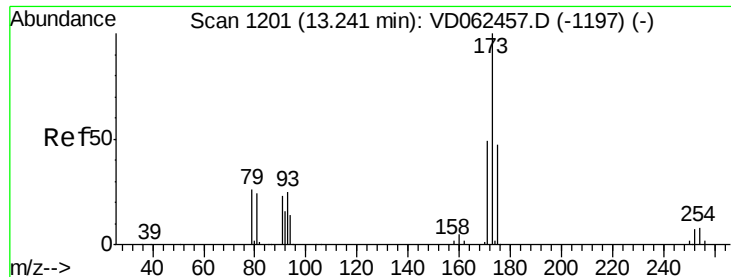
#70
Styrene
Concen: 49.514 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:104 Resp: 881451
Ion Ratio Lower Upper
104 100
78 48.7 35.4 53.2
103 45.7 37.5 56.3



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

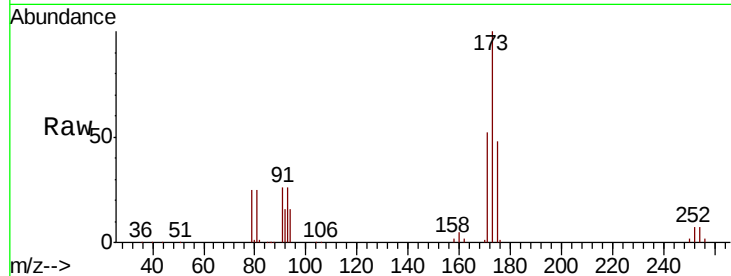




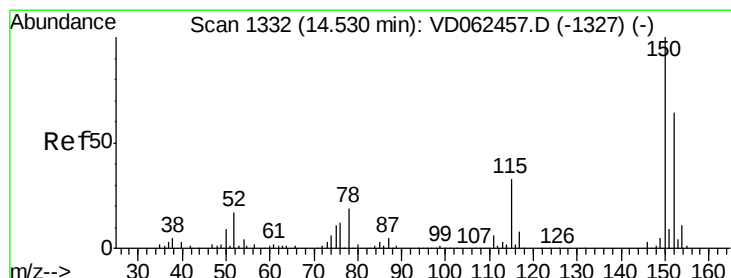
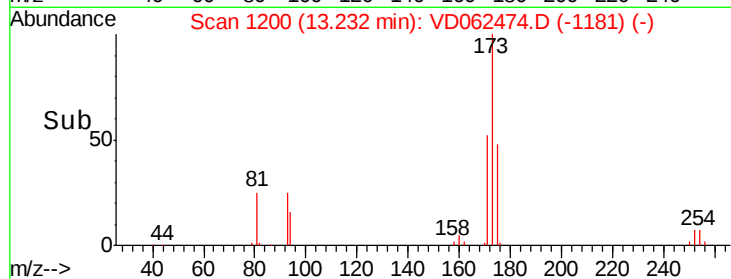
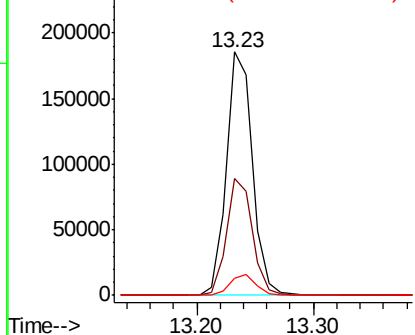
#71
Bromoform
Concen: 52.033 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 286135
Ion Ratio Lower Upper
173 100
175 48.1 24.4 73.4
254 6.9 5.4 8.2

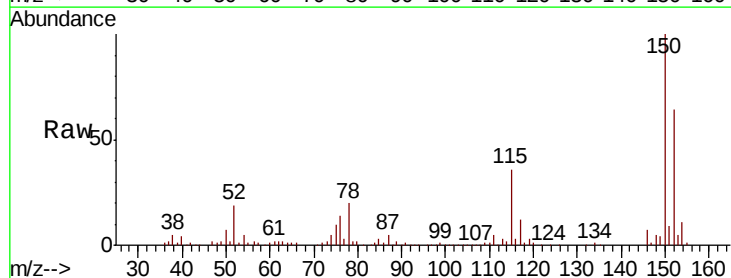


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

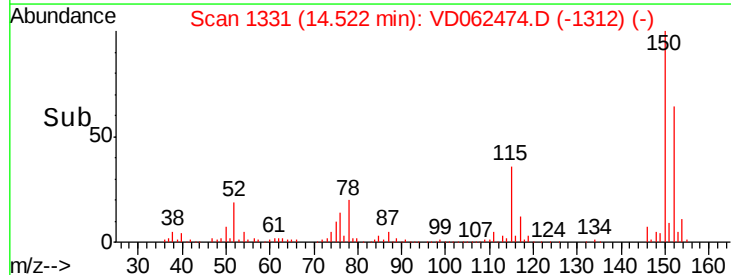
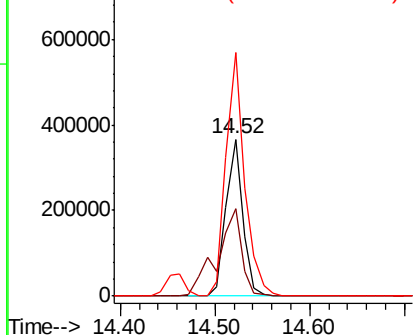


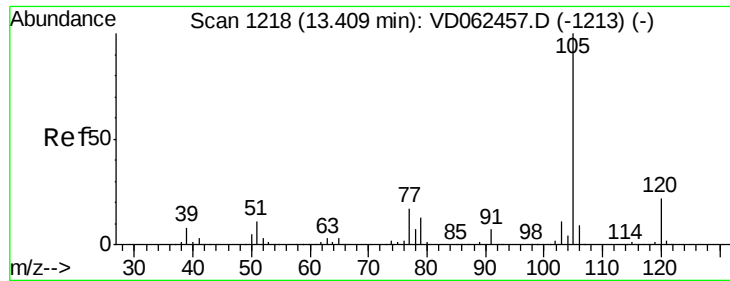
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:152 Resp: 450824
Ion Ratio Lower Upper
152 100
115 55.9 30.9 92.7
150 155.2 0.0 314.8



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: 52.340 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

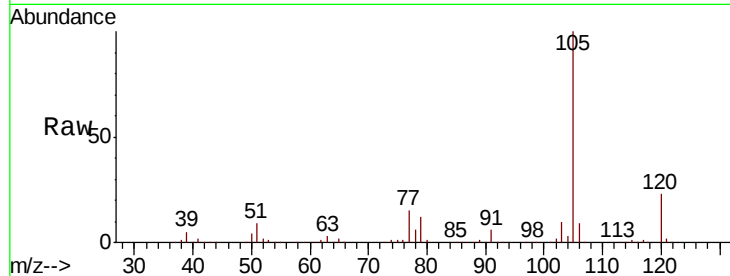
ClientSampled :

Tot Ion:105 Resp: 1487360

Ion Ratio Lower Upper

105 100

120 23.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

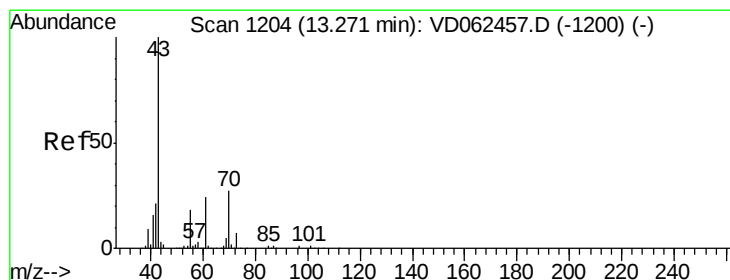
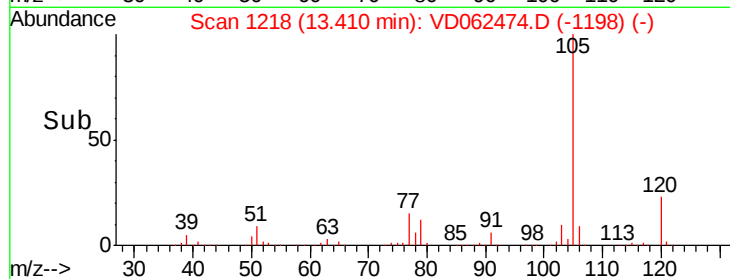
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 59.271 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion: 43 Resp: 415997

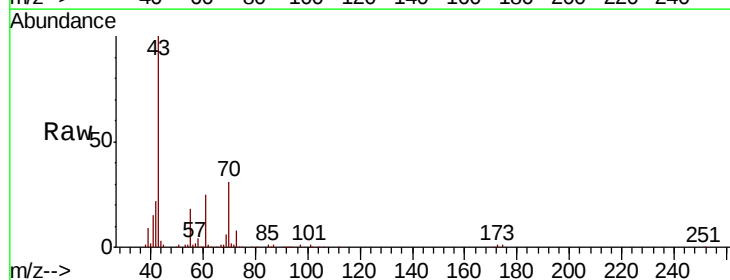
Ion Ratio Lower Upper

43 100

70 30.6 24.2 36.4

55 18.3 16.0 24.0

61 25.2 21.6 32.4



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

400000

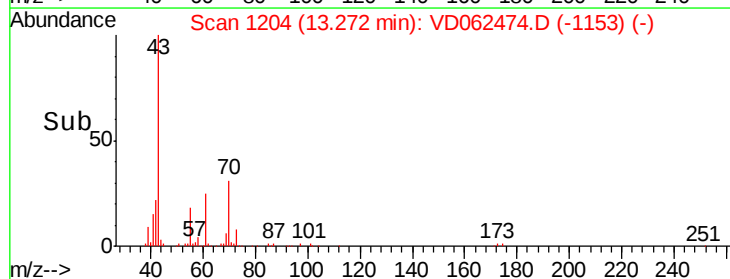
300000

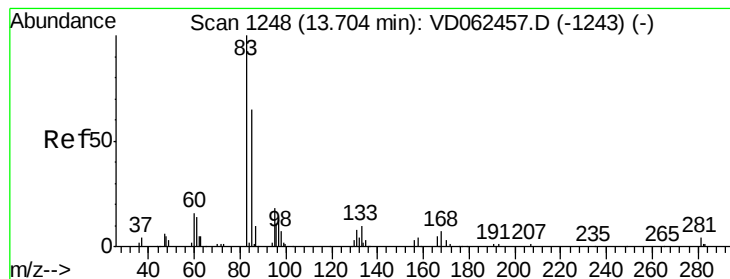
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 56.335 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

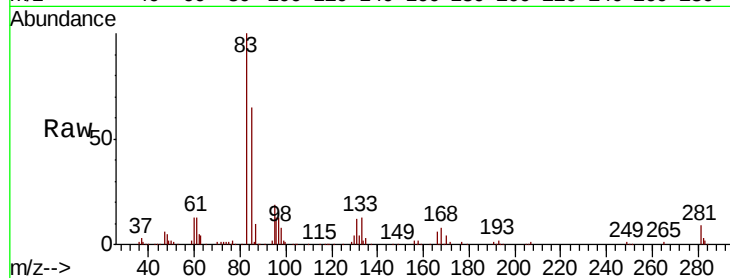
Tot Ion: 83 Resp: 288810

Ion Ratio Lower Upper

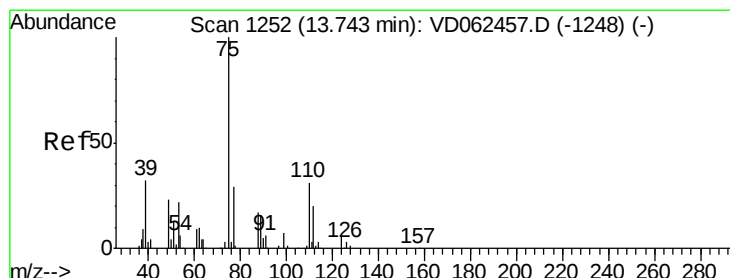
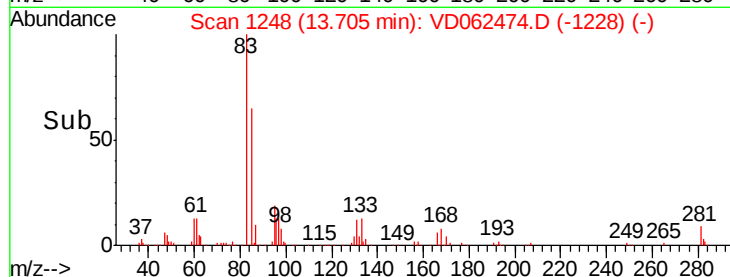
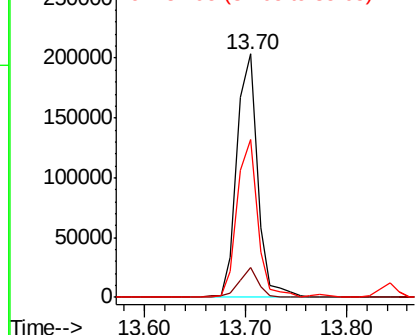
83 100

131 12.0 5.0 14.9

85 64.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.640 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD062474.D

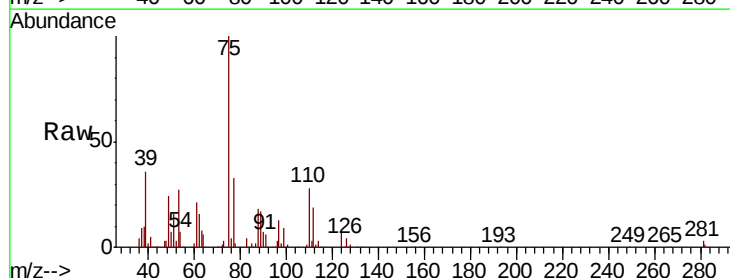
Acq: 21 May 2019 11:49

Tgt Ion: 75 Resp: 290147

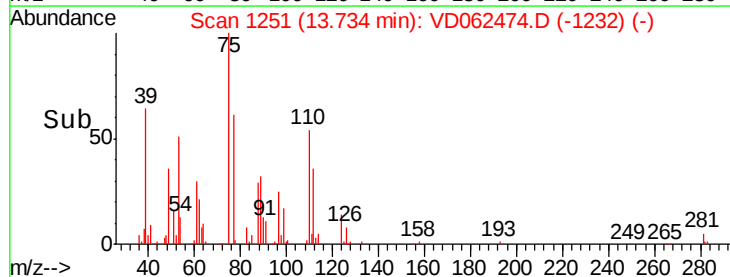
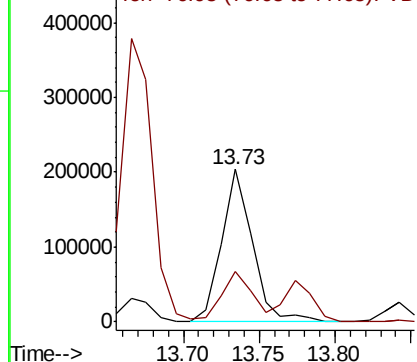
Ion Ratio Lower Upper

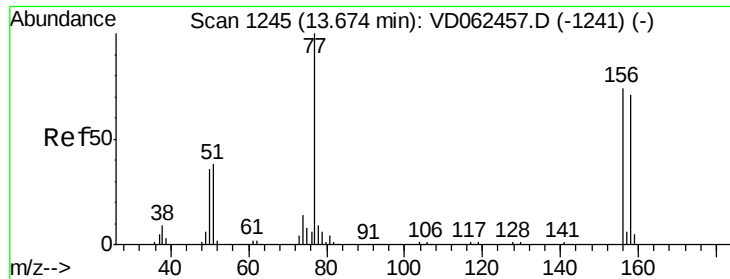
75 100

77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.874 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampled :

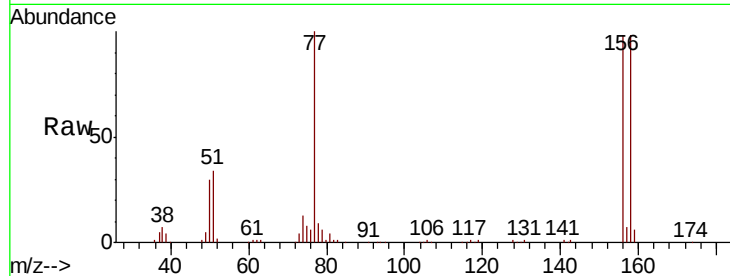
Tot Ion:156 Resp: 450415

Ion Ratio Lower Upper

156 100

77 101.7 53.1 159.4

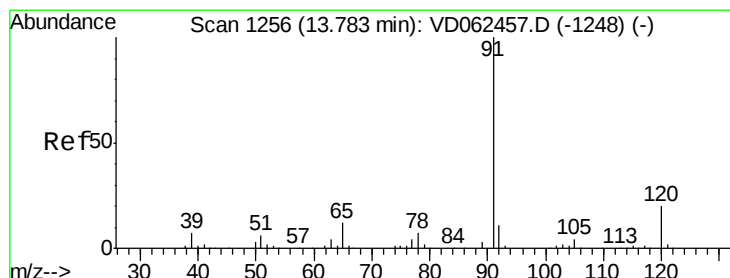
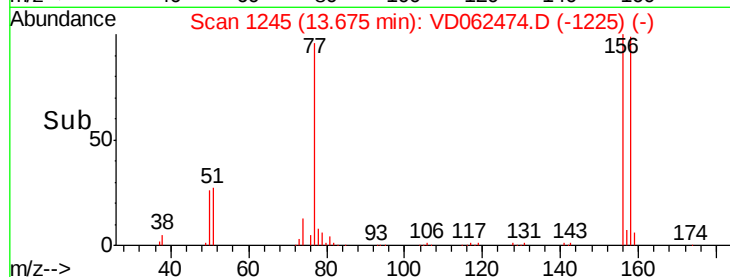
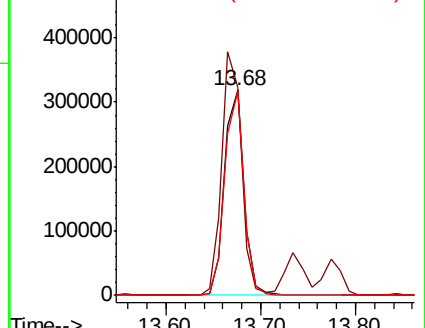
158 99.4 49.4 148.0



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: 57.283 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062474.D

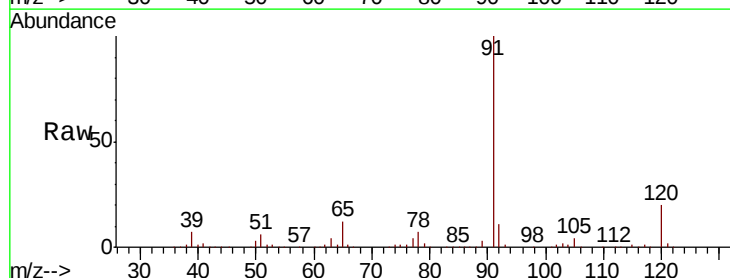
Acq: 21 May 2019 11:49

Tgt Ion: 91 Resp: 1885548

Ion Ratio Lower Upper

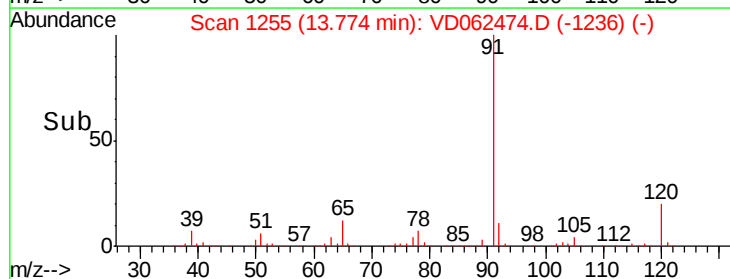
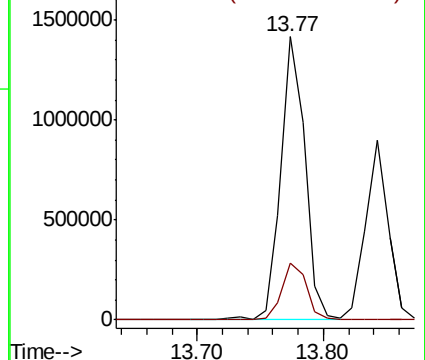
91 100

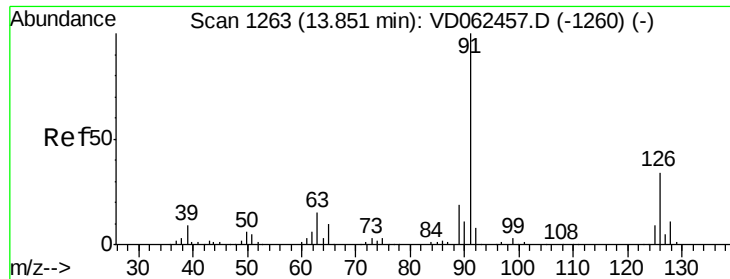
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.677 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

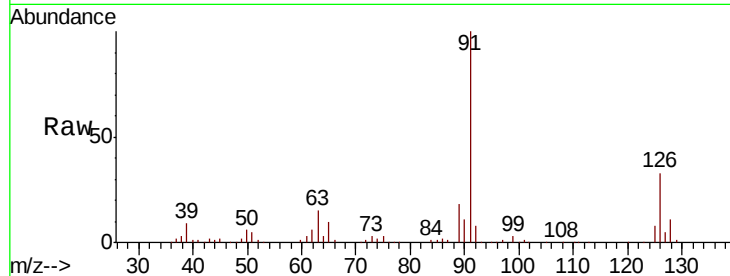
ClientSampleId :

Tot Ion: 91 Resp: 1112195

Ion Ratio Lower Upper

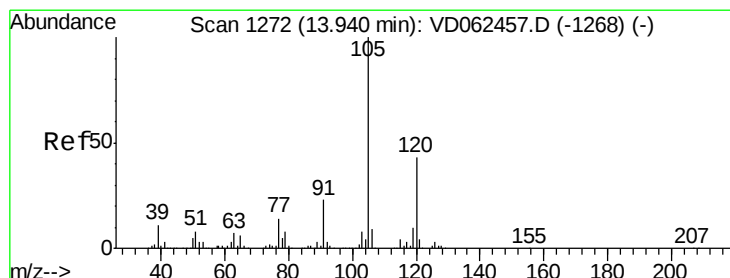
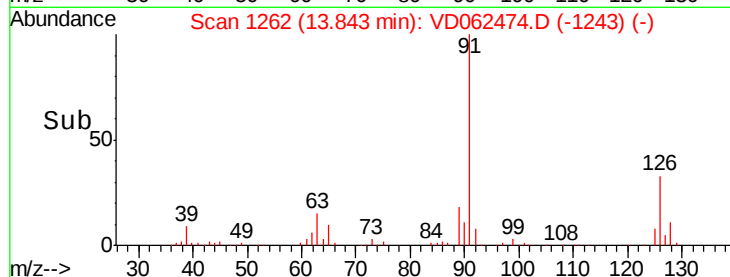
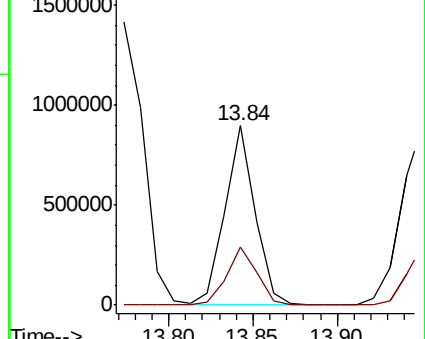
91 100

126 32.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.130 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062474.D

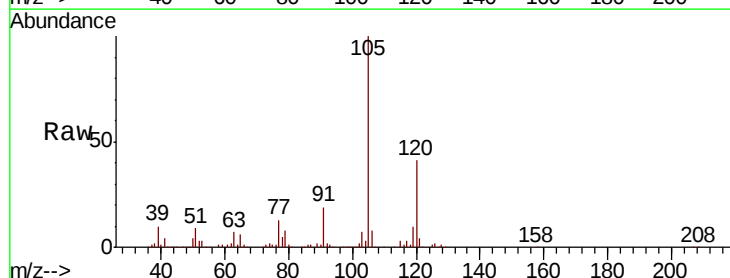
Acq: 21 May 2019 11:49

Tgt Ion:105 Resp: 1331868

Ion Ratio Lower Upper

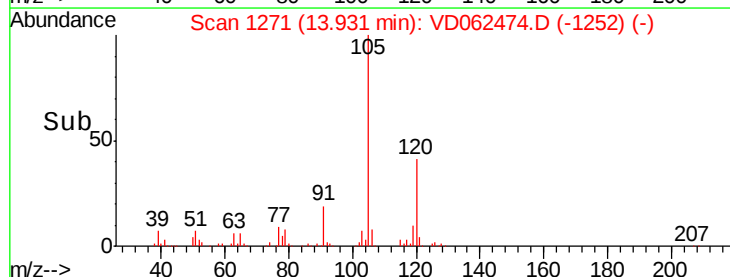
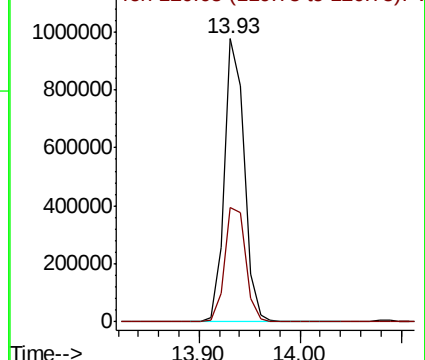
105 100

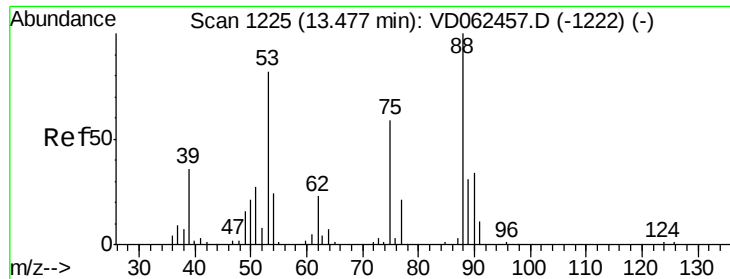
120 40.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

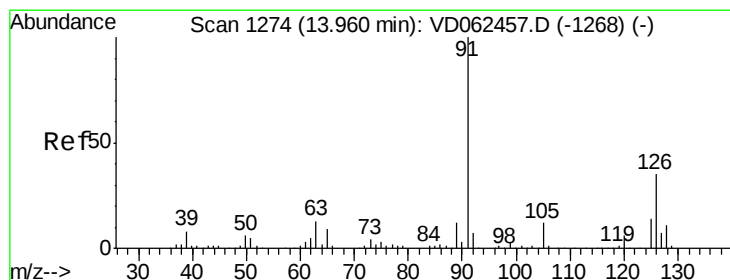
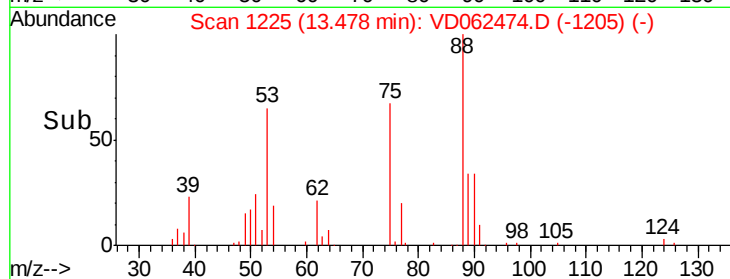
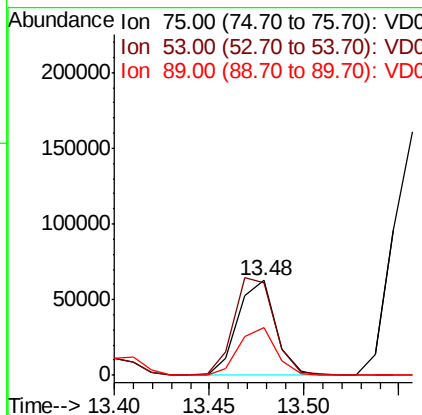
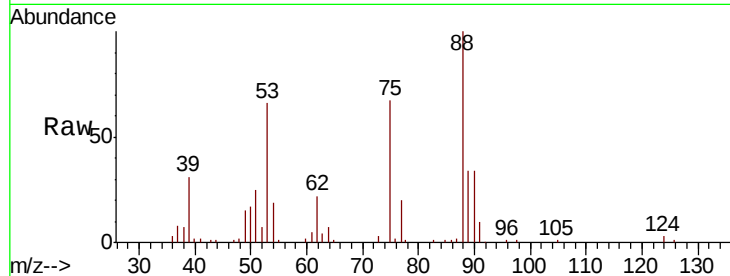




#81
trans-1,4-Dichloro-2-butene
Concen: 58.444 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

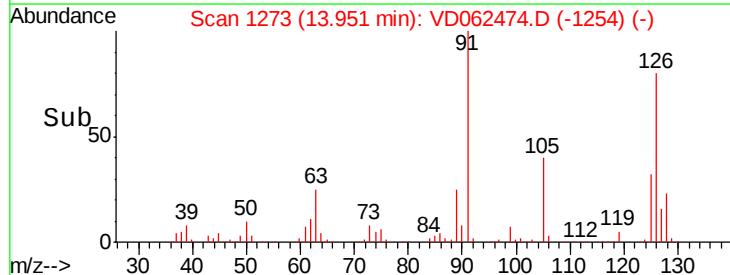
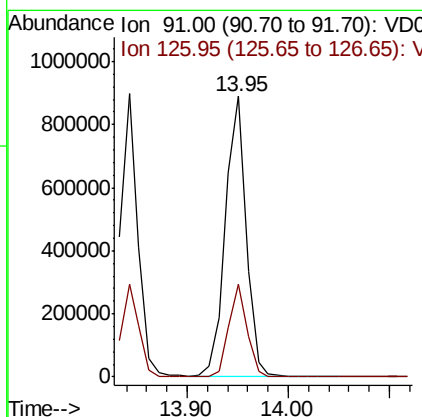
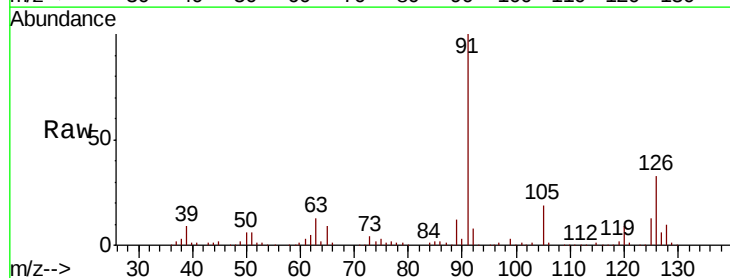
Instrument :
MSVOA_D
ClientSampleId :

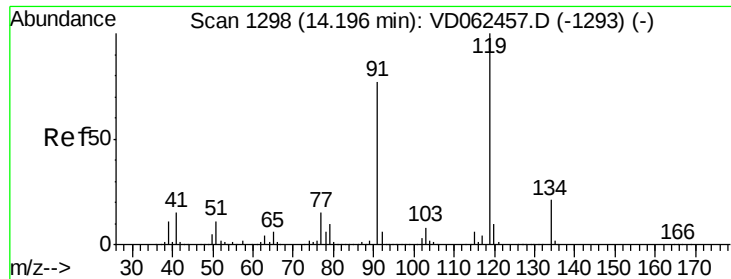
Tot Ion: 75 Resp: 87526
Ion Ratio Lower Upper
75 100
53 98.4 65.8 98.8
89 50.0 35.0 52.6



#82
4-Chlorotoluene
Concen: 55.247 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 91 Resp: 1270974
Ion Ratio Lower Upper
91 100
126 33.2 19.1 57.5

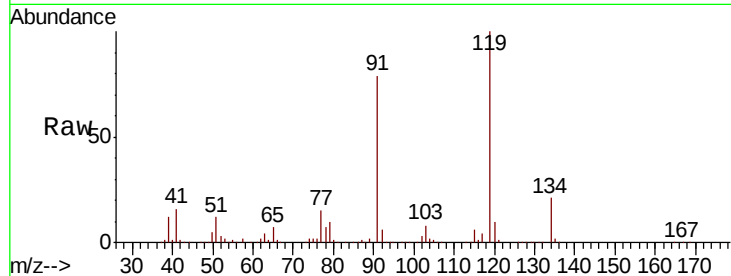




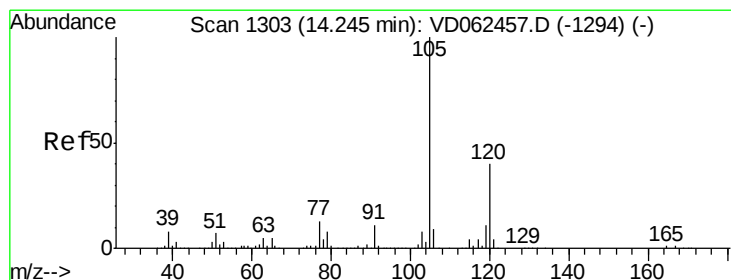
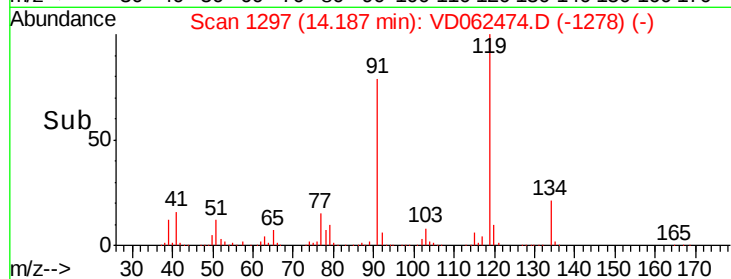
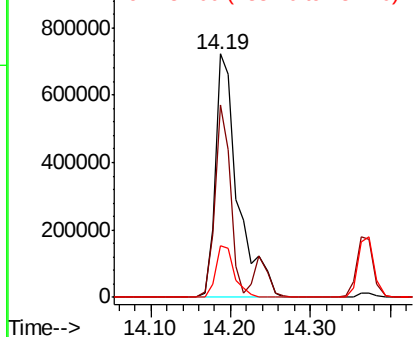
#83
 tert-Butylbenzene
 Concen: 52.815 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1441465
 Ion Ratio Lower Upper
 119 100
 91 79.0 34.2 102.6
 134 21.3 12.0 36.0

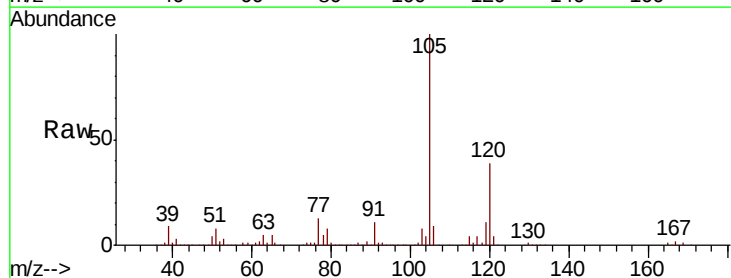


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

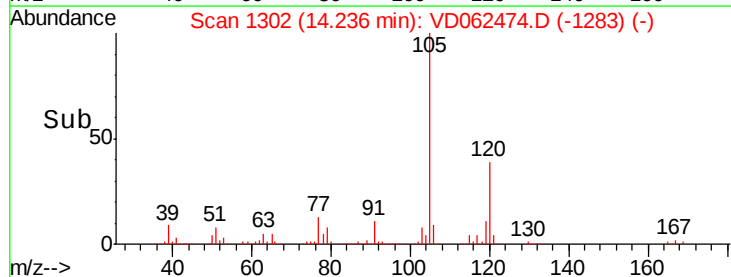
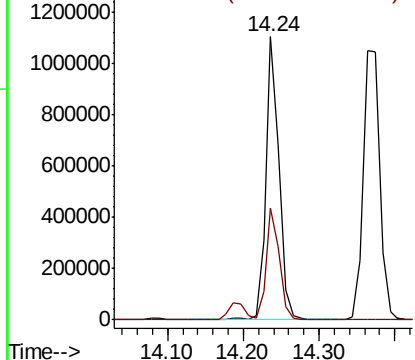


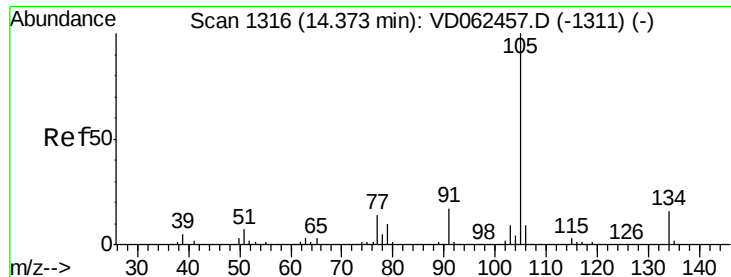
#84
 1,2,4-Trimethylbenzene
 Concen: 53.149 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion:105 Resp: 1340010
 Ion Ratio Lower Upper
 105 100
 120 39.4 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 54.493 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

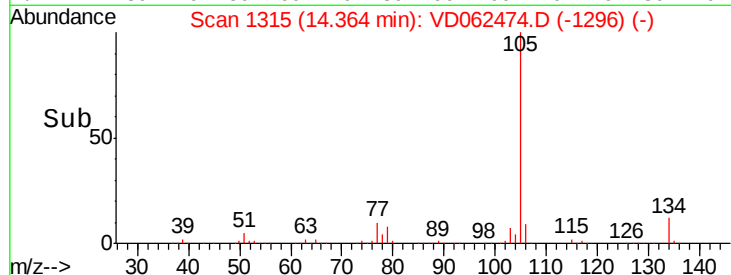
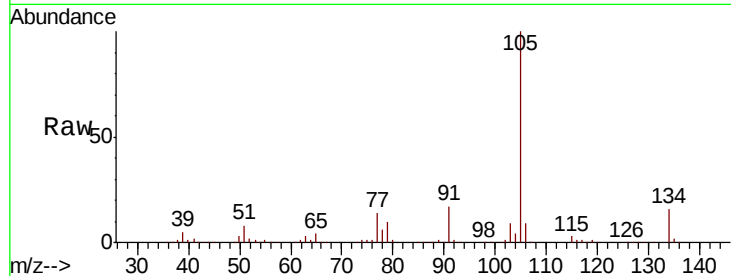
ClientSampleID :

Tot Ion:105 Resp: 1550793

Ion Ratio Lower Upper

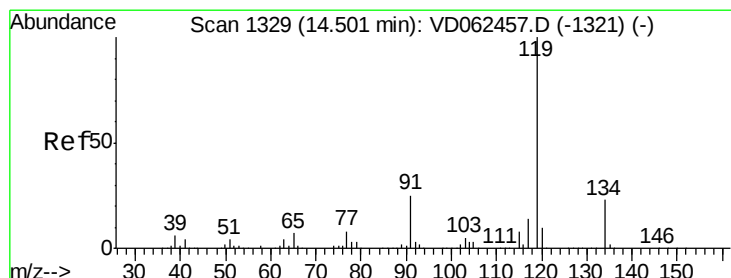
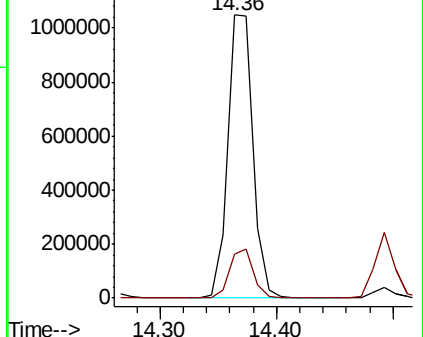
105 100

134 15.6 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.204 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

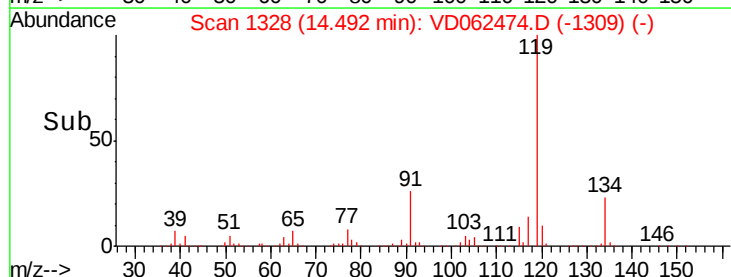
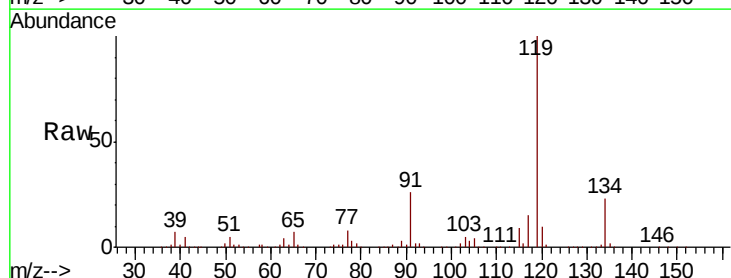
Tgt Ion:119 Resp: 1294761

Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

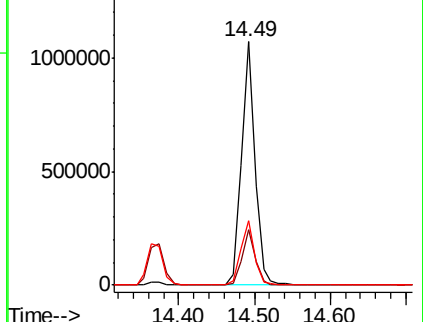
91 26.3 10.7 32.1

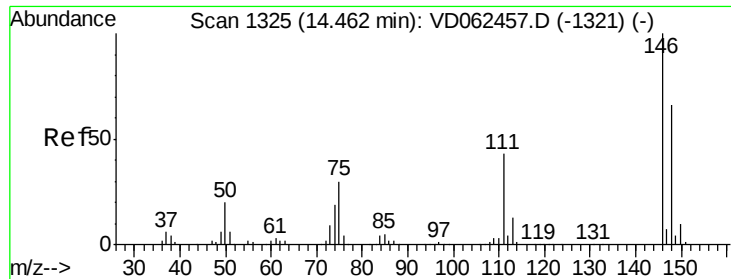


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

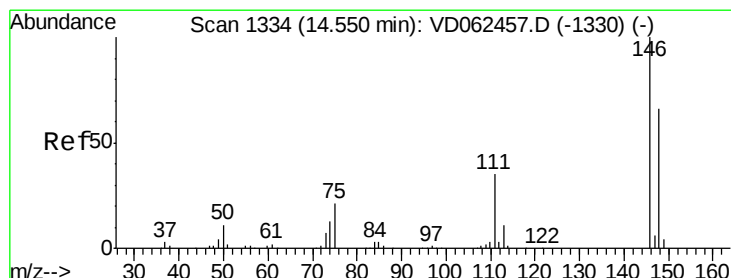
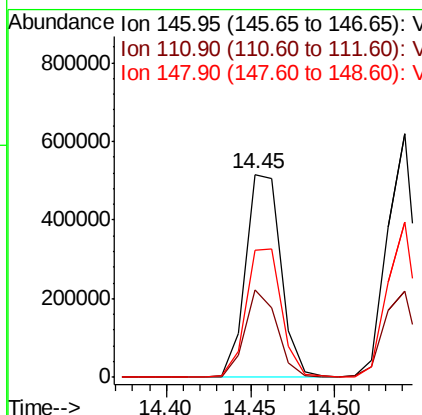
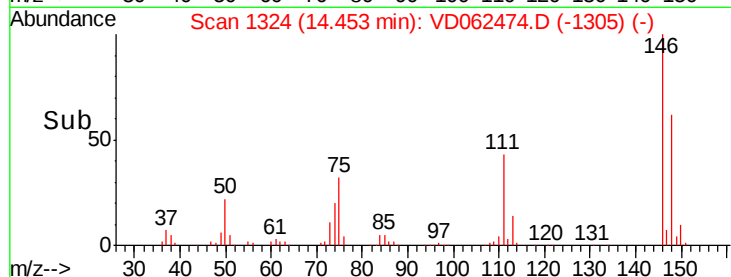
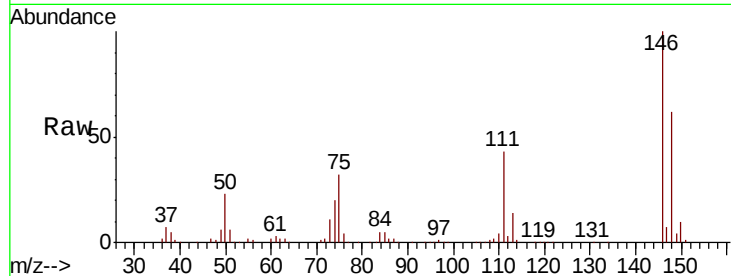




#87
 1,3-Dichlorobenzene
 Concen: 53.060 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

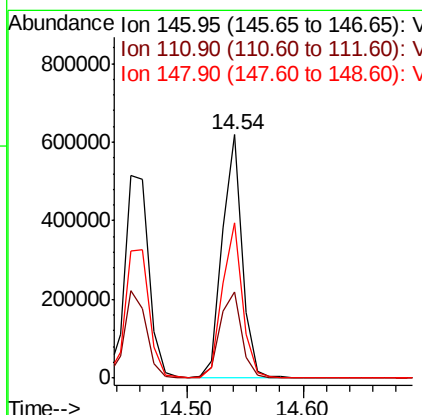
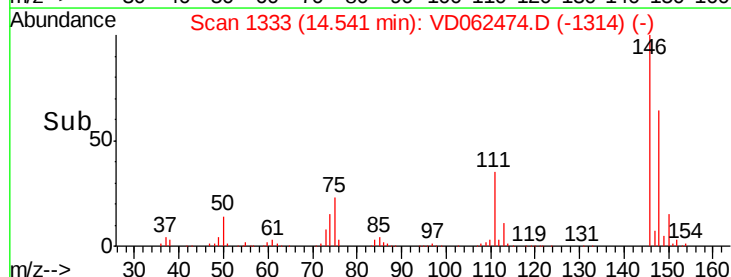
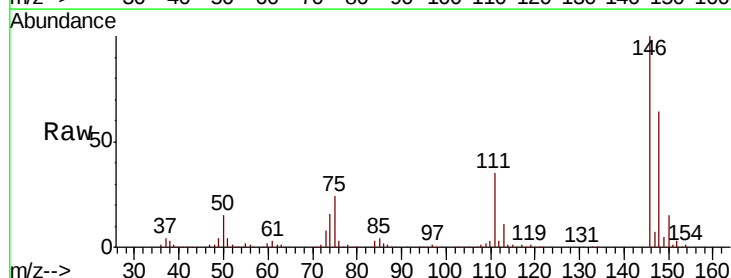
Instrument :
 MSVOA_D
 ClientSampleId :

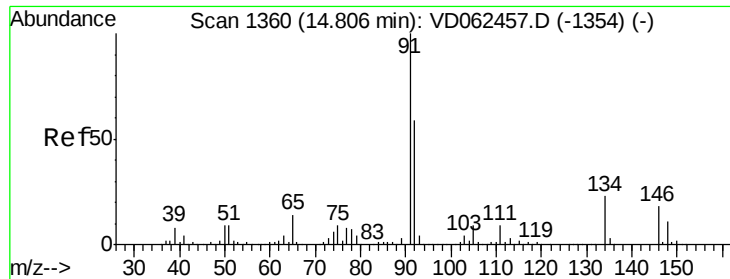
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.0	60.0
148	62.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 53.536 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.2	60.5
148	63.6	32.0	96.2





#89

n-Butylbenzene

Concen: 52.573 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampled :

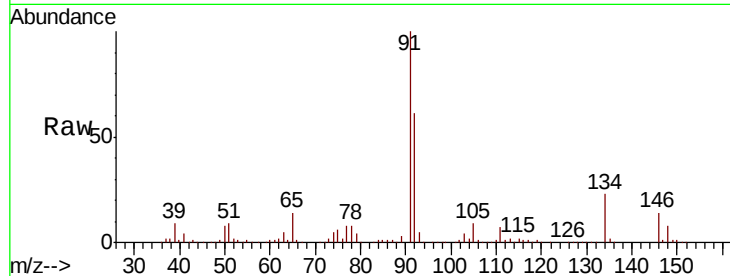
Tot Ion: 91 Resp: 1308523

Ion Ratio Lower Upper

91 100

92 61.0 30.3 91.0

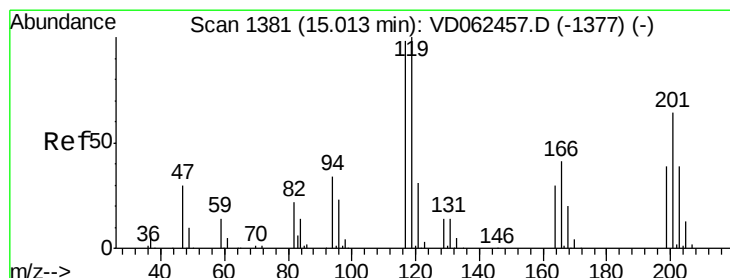
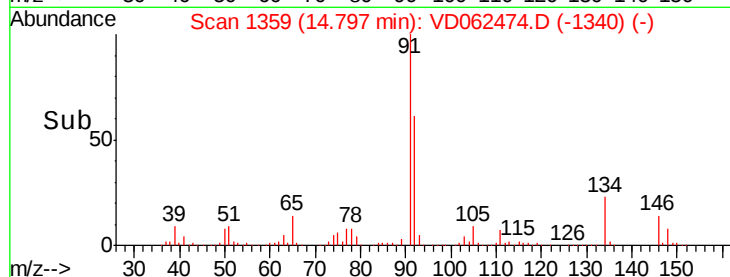
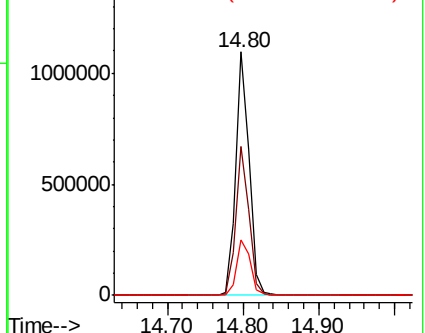
134 22.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.009 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062474.D

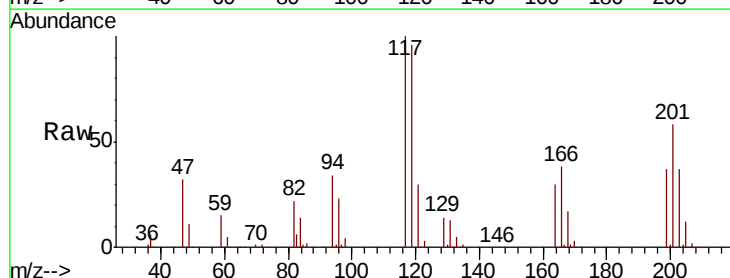
Acq: 21 May 2019 11:49

Tgt Ion: 117 Resp: 399202

Ion Ratio Lower Upper

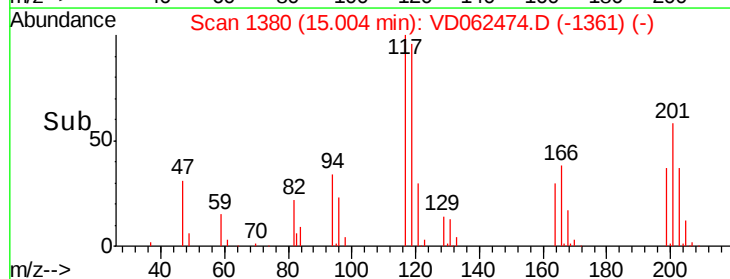
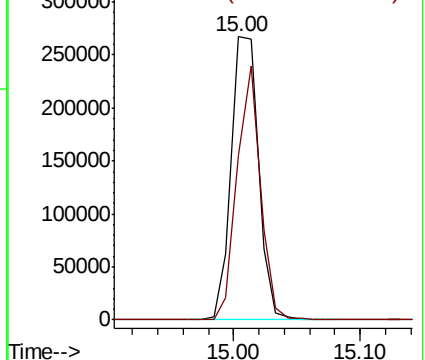
117 100

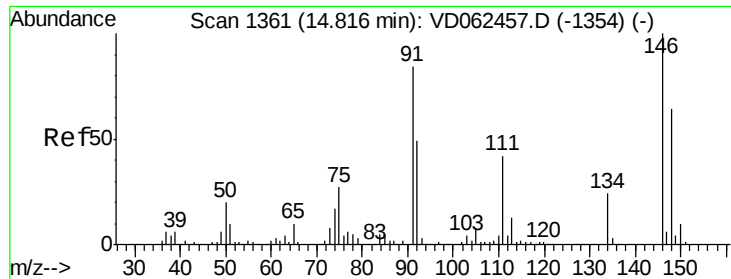
201 58.2 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

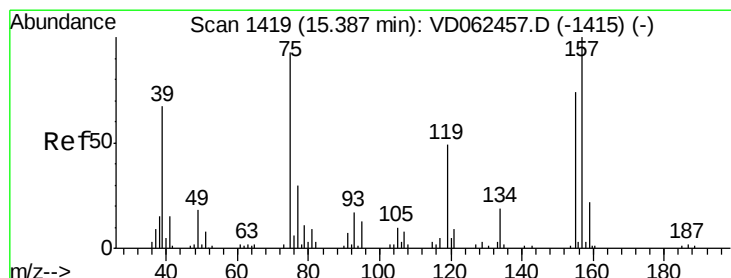
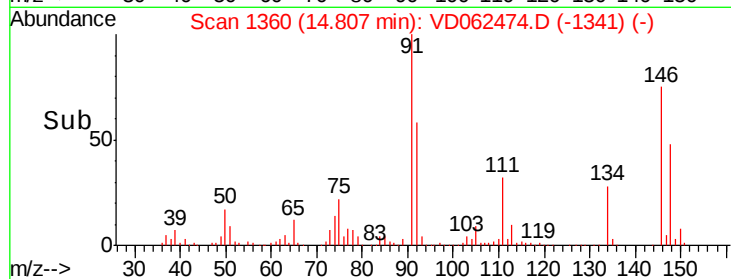
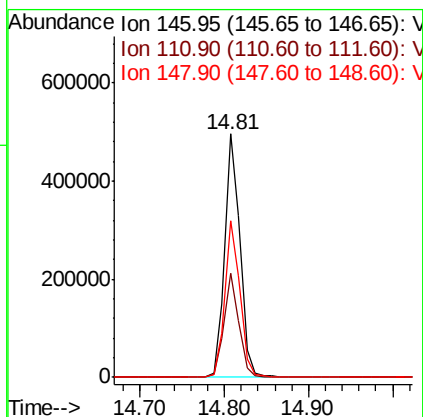
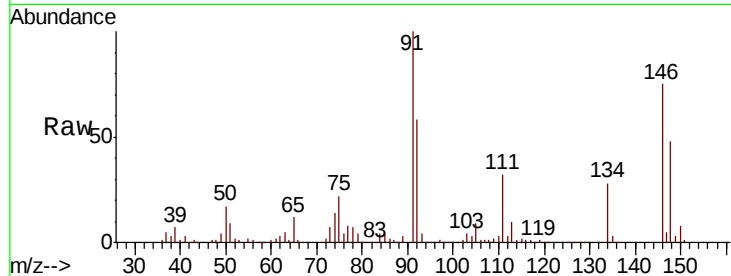




#91
 1,2-Dichlorobenzene
 Concen: 51.573 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

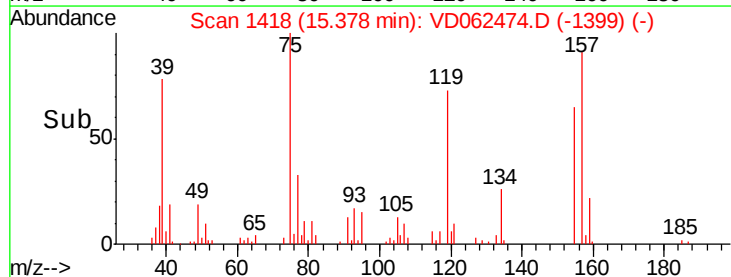
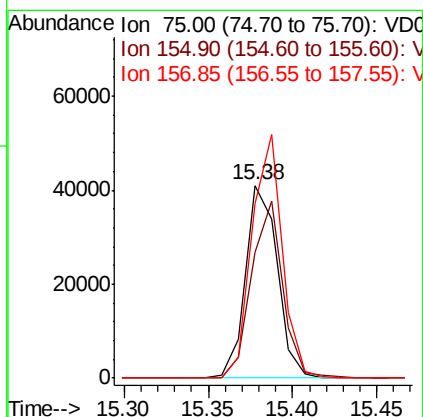
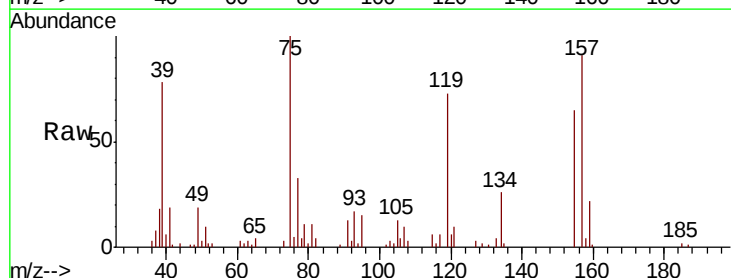
Instrument :
 MSVOA_D
 ClientSampleId :

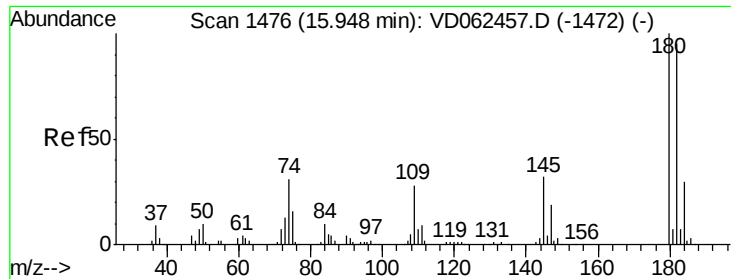
Tot Ion:146 Resp: 624291
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.0 59.9
 148 64.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.903 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion: 75 Resp: 53427
 Ion Ratio Lower Upper
 75 100
 155 65.0 55.3 165.8
 157 90.5 67.8 203.2

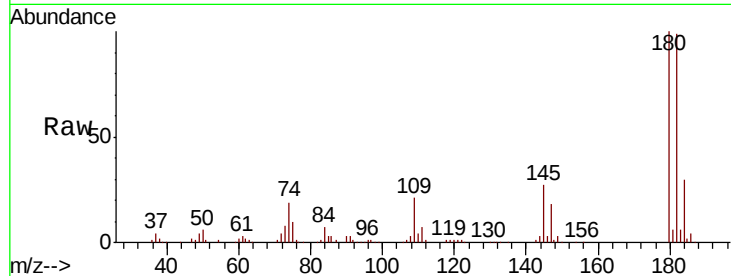




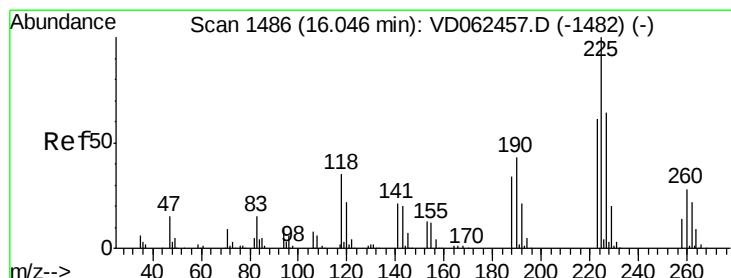
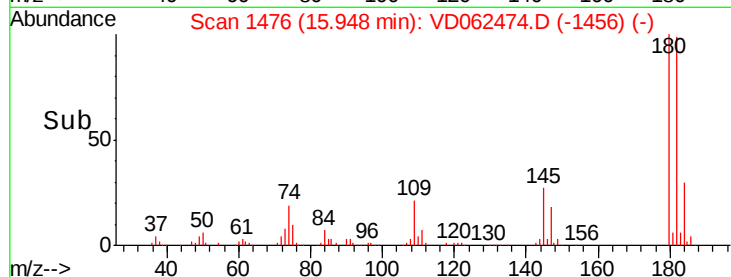
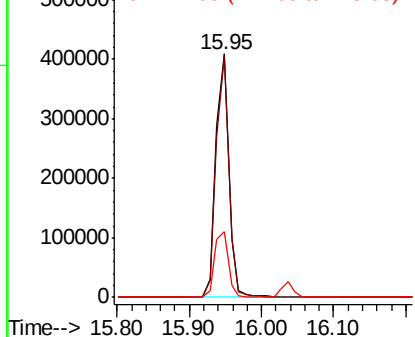
#93
 1,2,4-Trichlorobenzene
 Concen: 53.549 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 510403
 Ion Ratio Lower Upper
 180 100
 182 98.8 49.3 147.8
 145 26.7 16.2 48.6

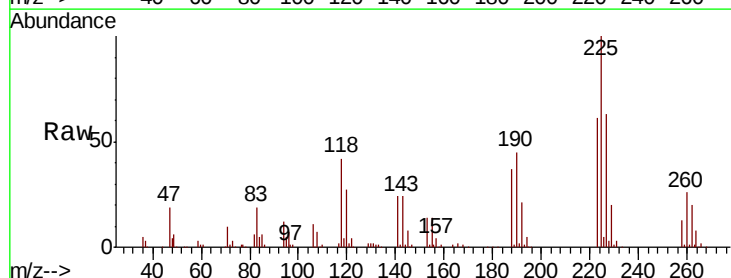


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

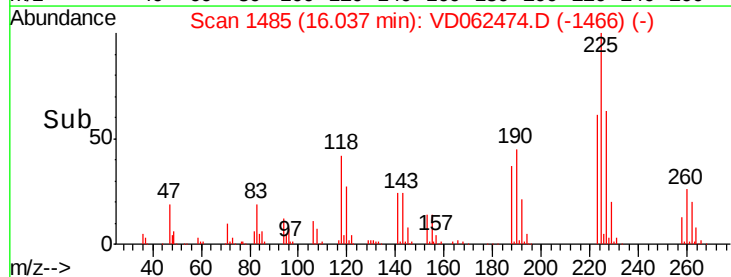
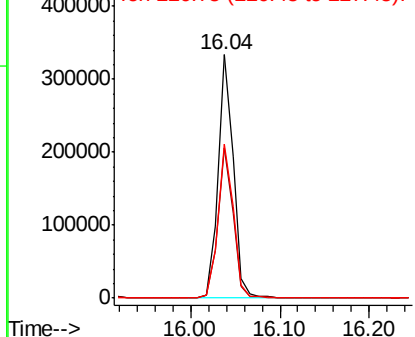


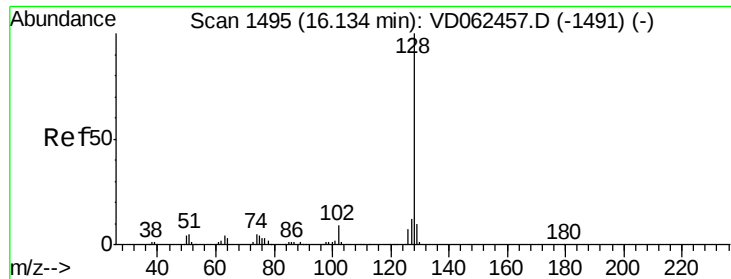
#94
 Hexachlorobutadiene
 Concen: 56.532 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion:225 Resp: 397863
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.6 92.0
 227 63.3 32.0 96.2



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: 57.229 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

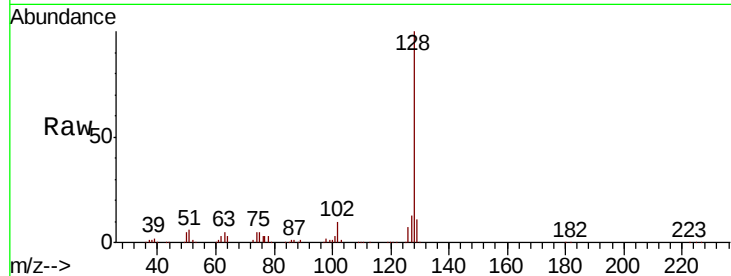
Tot Ion:128 Resp: 745340

Ion Ratio Lower Upper

128 100

127 13.1 9.8 14.8

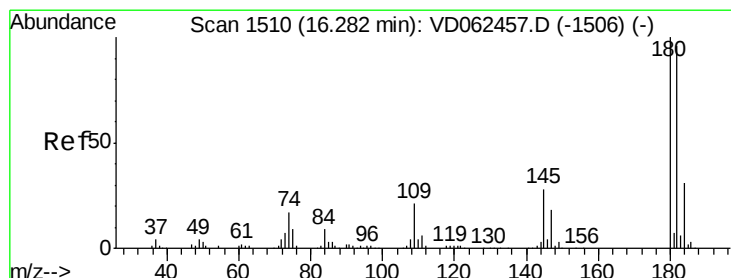
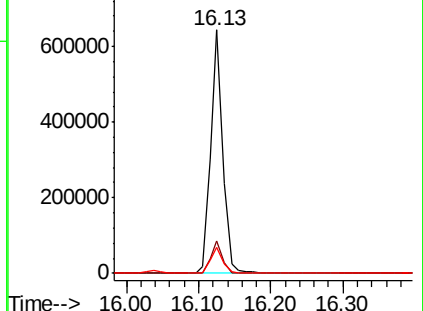
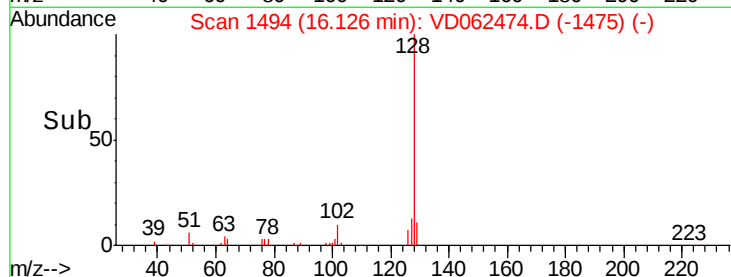
129 10.8 8.8 13.2



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: 51.286 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

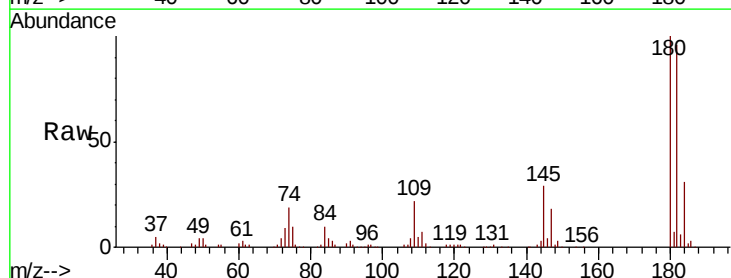
Tgt Ion:180 Resp: 400736

Ion Ratio Lower Upper

180 100

182 96.3 47.0 141.0

145 29.0 17.0 51.0



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

