

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062582.D
 Acq On : 3 Jun 2019 13:41
 Operator : VA/AP
 Sample : VD0603SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:50:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	806658	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1072493	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	983053	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	504090	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	531235	56.17	ug/l	-0.01
Spiked Amount			Recovery	=	112.34%	
35) Dibromofluoromethane	6.93	113	512038	52.39	ug/l	-0.01
Spiked Amount			Recovery	=	104.78%	
50) Toluene-d8	10.41	98	1071155	50.02	ug/l	-0.01
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	13.55	95	488959	50.63	ug/l	-0.01
Spiked Amount			Recovery	=	101.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	216045	23.092	ug/l	93
3) Chloromethane	1.75	50	185870	18.221	ug/l	94
4) Vinyl Chloride	1.85	62	158470	22.174	ug/l	93
5) Bromomethane	2.15	94	52046	22.426	ug/l	95
6) Chloroethane	2.26	64	74202	22.141	ug/l	94
7) Trichlorofluoromethane	2.53	101	347534	23.011	ug/l	90
8) Diethyl Ether	2.88	74	47505	24.520	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	200577	22.490	ug/l	99
10) Methyl Iodide	3.30	142	233178	23.042	ug/l	91
11) Tert butyl alcohol	4.09	59	43944	108.929	ug/l	100
12) 1,1-Dichloroethene	3.13	96	142291	22.553	ug/l	99
13) Acrolein	3.04	56	20672	117.603	ug/l	88
14) Allyl chloride	3.62	41	208439	21.150	ug/l	93
15) Acrylonitrile	4.20	53	111675	115.798	ug/l	99
16) Acetone	3.23	43	200321	107.794	ug/l	95
17) Carbon Disulfide	3.37	76	401934	19.598	ug/l	100
18) Methyl Acetate	3.65	43	75343	24.840	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	348733	22.817	ug/l	99
20) Methylene Chloride	3.82	84	151244	21.986	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	149133	20.829	ug/l	98
22) Diisopropyl ether	5.13	45	444331	22.069	ug/l #	95
23) Vinyl Acetate	5.07	43	1445427	118.382	ug/l	97
24) 1,1-Dichloroethane	4.99	63	276746	21.300	ug/l	98
25) 2-Butanone	6.08	43	200756	114.704	ug/l	99
26) 2,2-Dichloropropane	6.03	77	325414	22.576	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	163617	22.231	ug/l	95
28) Bromochloromethane	6.43	49	104333	23.239	ug/l	94
29) Tetrahydrofuran	6.46	42	92069	117.435	ug/l	94
30) Chloroform	6.67	83	351517	22.452	ug/l	98
31) Cyclohexane	6.96	56	172313	19.616	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	358398	21.996	ug/l	94
36) 1,1-Dichloropropene	7.14	75	228460	21.399	ug/l	91
37) Ethyl Acetate	6.19	43	102505	22.774	ug/l #	95
38) Carbon Tetrachloride	7.11	117	354560	22.306	ug/l	97

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 MSVOA_D
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Quant Time: Jun 04 05:50:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	194846	21.556	ug/l	93
40) Benzene	7.46	78	443806	21.180	ug/l	100
41) Methacrylonitrile	6.44	41	133025	25.115	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	283137	24.258	ug/l	100
43) Isopropyl Acetate	9.25	43	135115	24.119	ug/l #	97
44) Trichloroethene	8.54	130	180486	21.560	ug/l	91
45) 1,2-Dichloropropane	8.94	63	113692	22.131	ug/l	97
46) Dibromomethane	9.06	93	102101	23.661	ug/l	97
47) Bromodichloromethane	9.38	83	268055	22.546	ug/l	94
48) Methyl methacrylate	9.12	41	89967	24.112	ug/l	93
49) 1,4-Dioxane	9.09	88	15594	514.549	ug/l #	71
51) 4-Methyl-2-Pentanone	10.30	43	452657	115.818	ug/l	100
52) Toluene	10.51	92	304862	21.332	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	230006	22.897	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	230977	22.116	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	109086	23.247	ug/l	93
56) Ethyl methacrylate	11.04	69	114818	22.957	ug/l	96
57) 1,3-Dichloropropane	11.41	76	178957	24.739	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.86	63	305703	119.176	ug/l	100
59) 2-Hexanone	11.53	43	344162	125.542	ug/l	98
60) Dibromochloromethane	11.69	129	216062	23.693	ug/l	96
61) 1,2-Dibromoethane	11.81	107	127743	22.630	ug/l	99
64) Tetrachloroethene	11.26	164	154695	17.801	ug/l	97
65) Chlorobenzene	12.40	112	387025	20.209	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	180977	19.982	ug/l	98
67) Ethyl Benzene	12.53	91	657199	18.730	ug/l	100
68) m/p-Xylenes	12.67	106	464690	38.284	ug/l	99
69) o-Xylene	13.05	106	225884	19.508	ug/l	85
70) Styrene	13.07	104	378649	19.260	ug/l #	91
71) Bromoform	13.24	173	126566	19.907	ug/l #	94
73) Isopropylbenzene	13.40	105	703669	21.174	ug/l	96
74) N-amyl acetate	13.27	43	188326	22.225	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	115975	22.004	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	128204	21.199	ug/l	96
77) Bromobenzene	13.67	156	193916	21.282	ug/l	89
78) n-propylbenzene	13.78	91	802404	20.948	ug/l	97
79) 2-Chlorotoluene	13.85	91	443632	19.974	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	561576	19.776	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	32953	19.016	ug/l #	58
82) 4-Chlorotoluene	13.95	91	543394	20.436	ug/l	88
83) tert-Butylbenzene	14.19	119	650906	20.542	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	547384	18.917	ug/l	97
85) sec-Butylbenzene	14.37	105	686147	20.441	ug/l	98
86) p-Isopropyltoluene	14.50	119	684918	21.840	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	346843	21.959	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	336746	21.275	ug/l	96
89) n-Butylbenzene	14.80	91	560481	20.021	ug/l	98
90) Hexachloroethane	15.01	117	178889	21.501	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	280832	21.136	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23887	21.857	ug/l	95

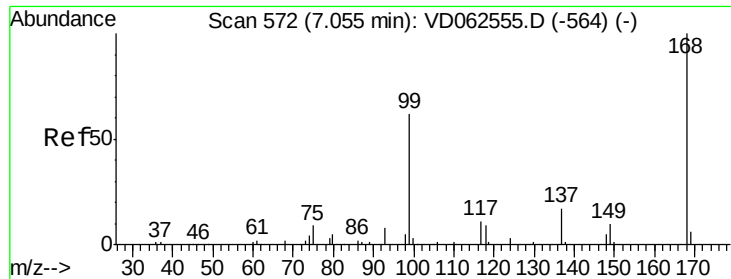
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	204147	19.215	ug/l	98
94) Hexachlorobutadiene	16.04	225	161961	20.650	ug/l	97
95) Naphthalene	16.12	128	307637	21.262	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	162134	20.430	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

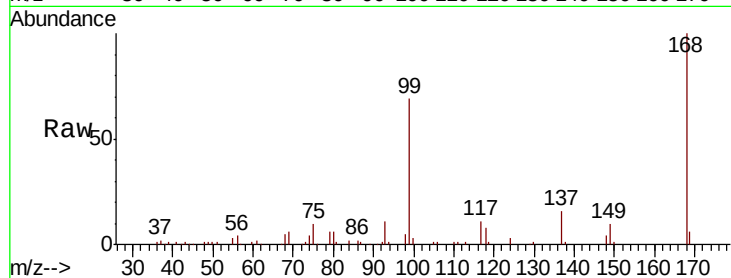
ClientSampled :

Tot Ion:168 Resp: 806658

Ion Ratio Lower Upper

168 100

99 69.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

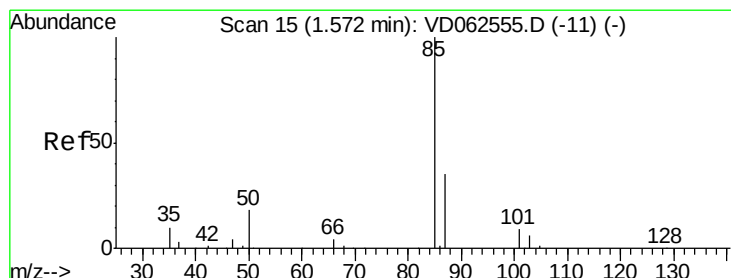
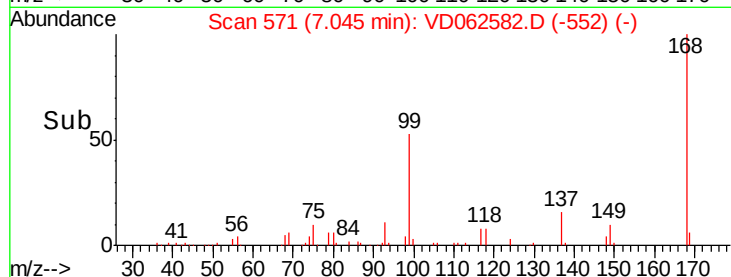
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 23.092 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062582.D

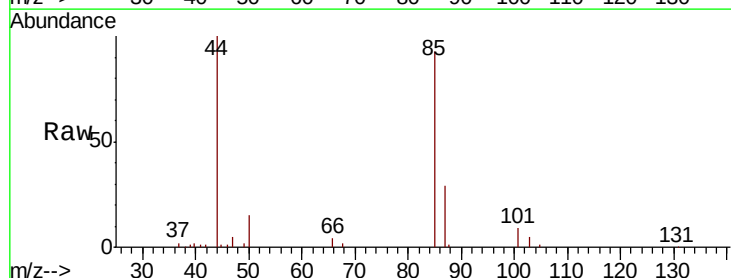
Acq: 3 Jun 2019 13:41

Tgt Ion: 85 Resp: 216045

Ion Ratio Lower Upper

85 100

87 30.8 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

80000

60000

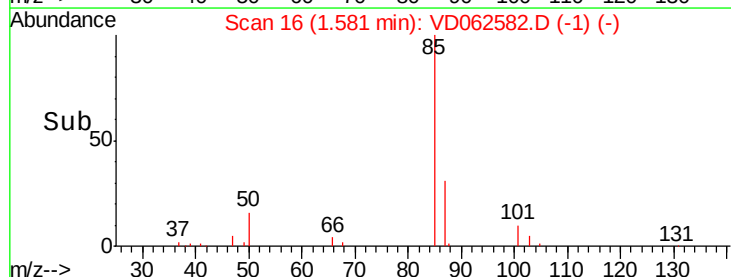
40000

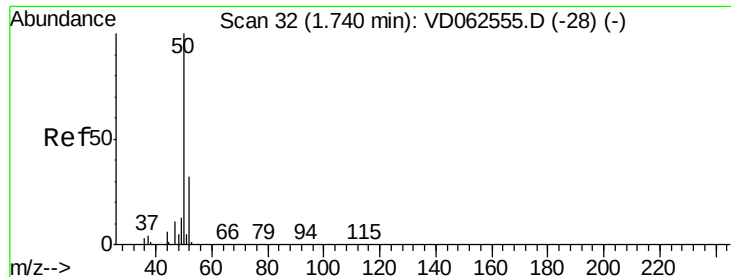
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.221 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

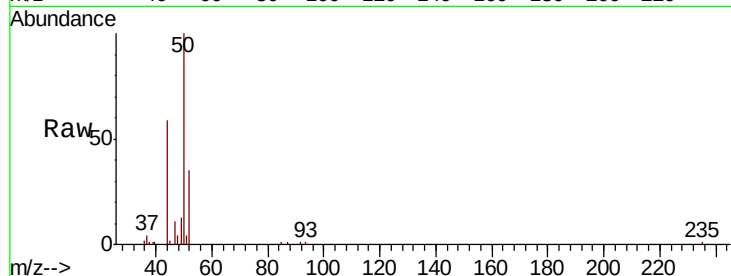
ClientSampled :

Tot Ion: 50 Resp: 185870

Ion Ratio Lower Upper

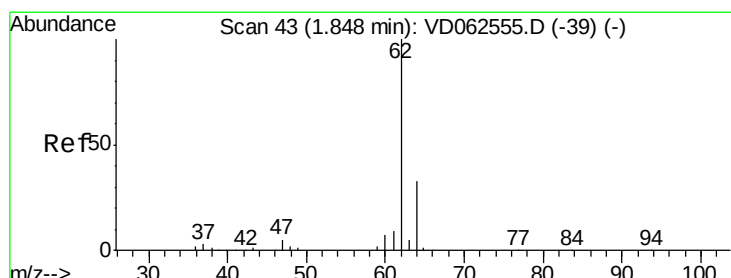
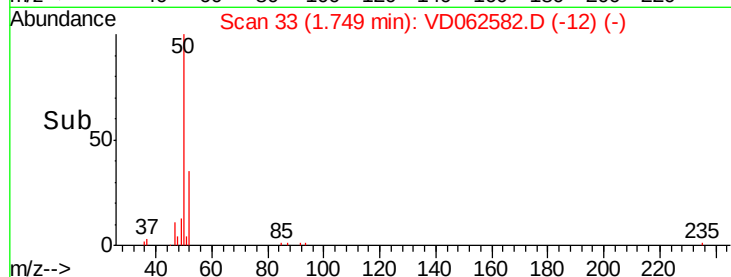
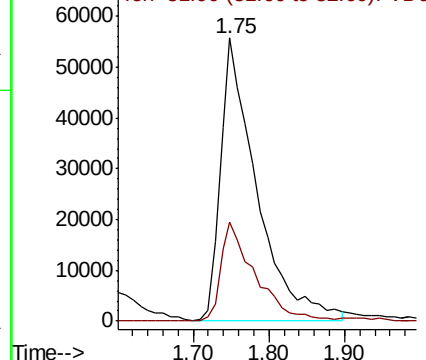
50 100

52 35.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.174 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062582.D

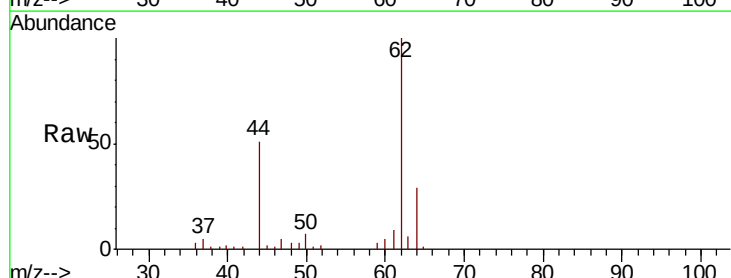
Acq: 3 Jun 2019 13:41

Tgt Ion: 62 Resp: 158470

Ion Ratio Lower Upper

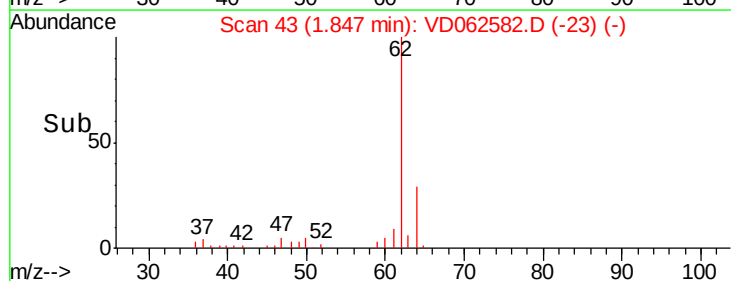
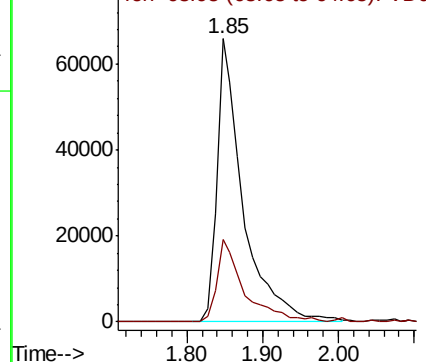
62 100

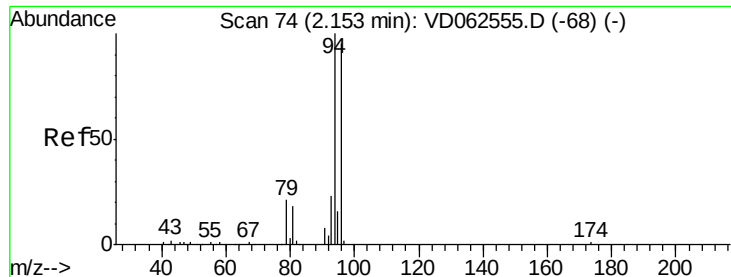
64 29.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 22.426 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

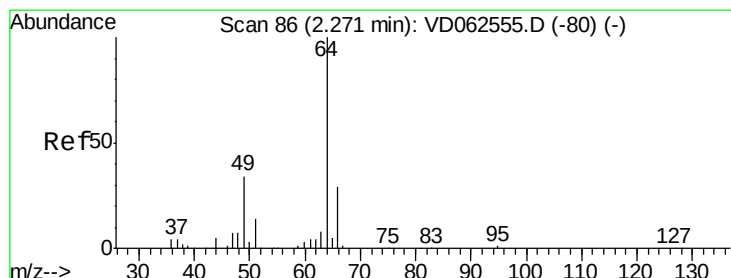
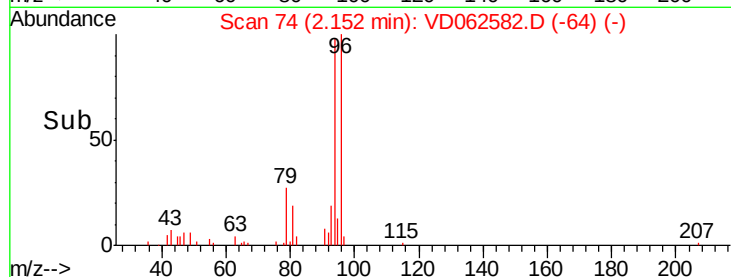
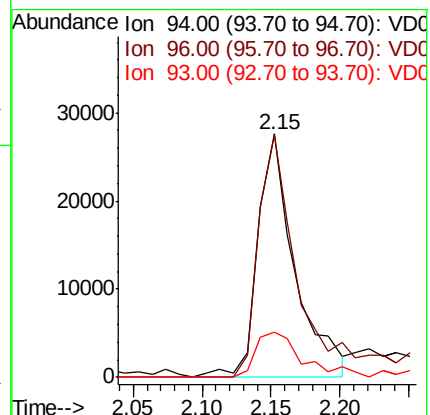
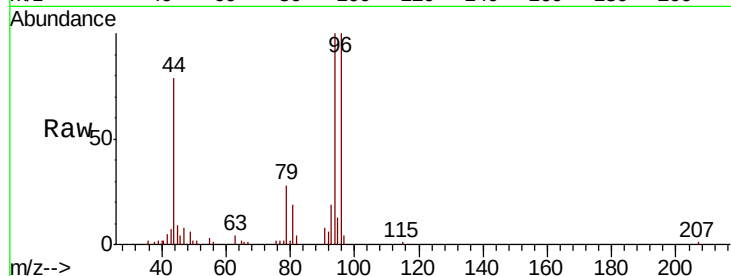
Tot Ion: 94 Resp: 52046

Ion Ratio Lower Upper

94 100

96 99.7 76.2 114.4

93 18.6 18.4 27.6



#6

Chloroethane

Concen: 22.141 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062582.D

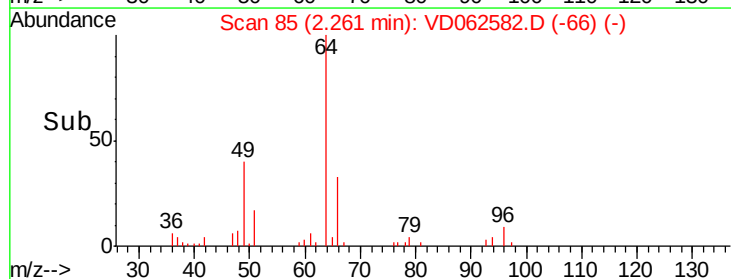
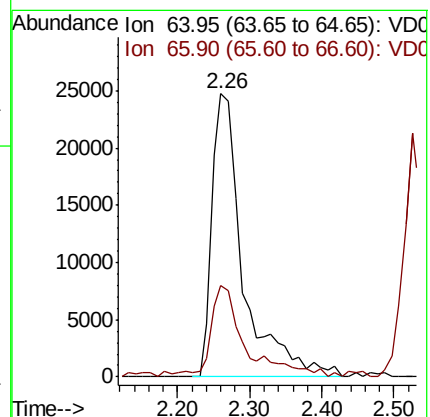
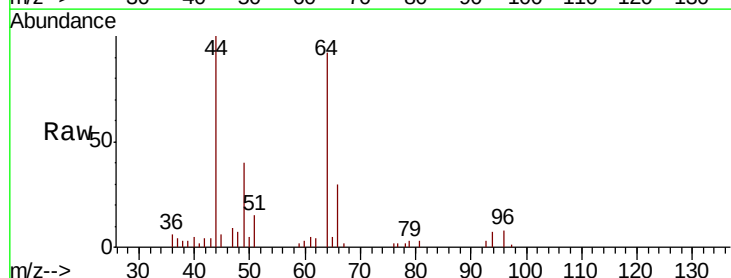
Acq: 3 Jun 2019 13:41

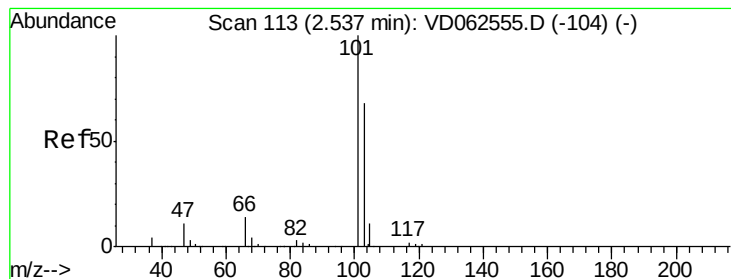
Tgt Ion: 64 Resp: 74202

Ion Ratio Lower Upper

64 100

66 32.4 23.4 35.2



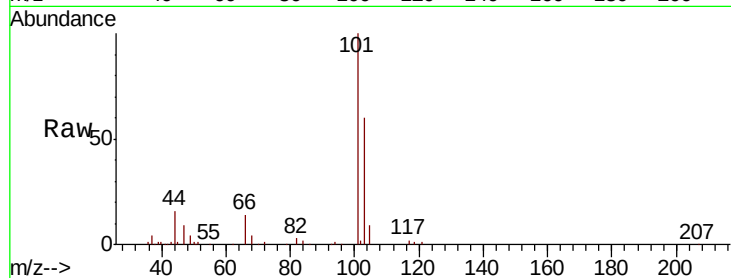


#7

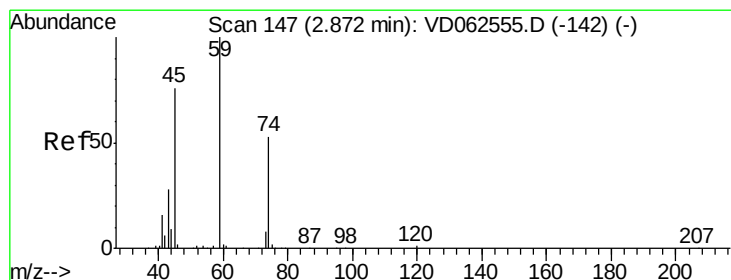
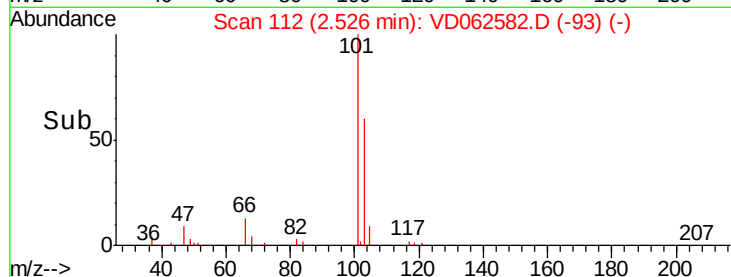
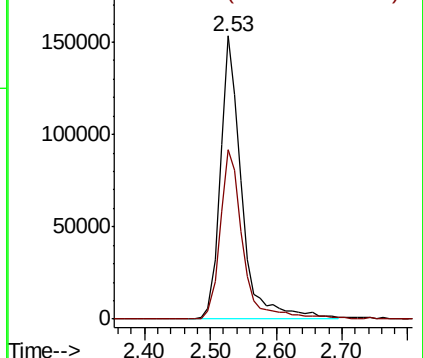
Trichlorofluoromethane
Concen: 23.011 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 347534
Ion Ratio Lower Upper
101 100
103 59.7 54.3 81.5



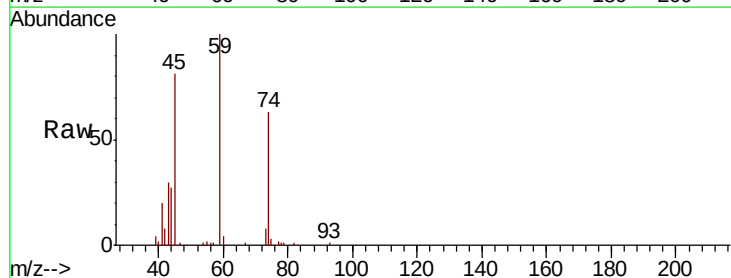
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



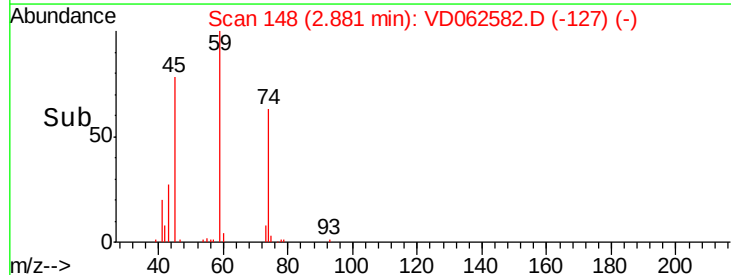
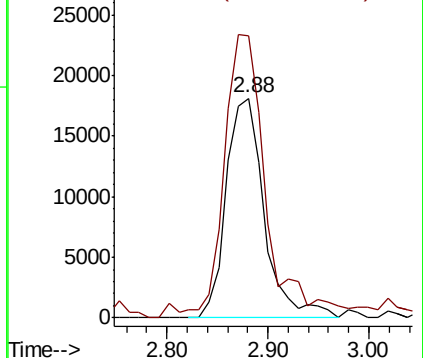
#8

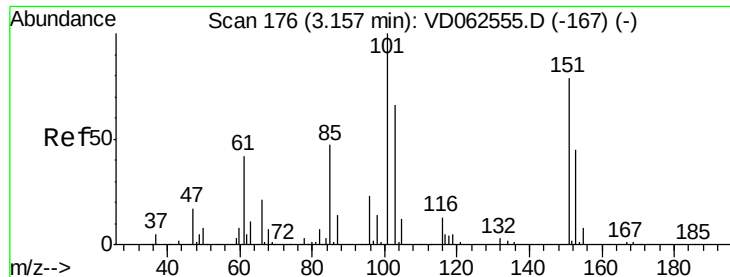
Diethyl Ether
Concen: 24.520 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 74 Resp: 47505
Ion Ratio Lower Upper
74 100
45 128.3 71.9 215.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.490 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

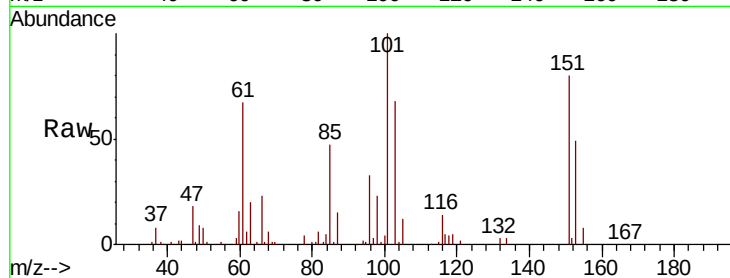
Tot Ion:101 Resp: 200577

Ion Ratio Lower Upper

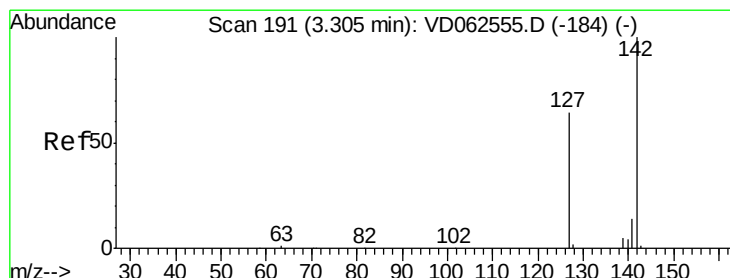
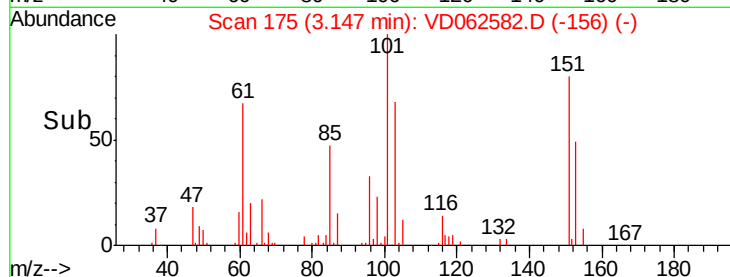
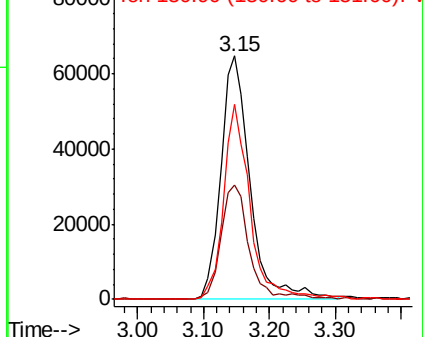
101 100

85 46.9 37.6 56.4

151 80.3 63.0 94.4



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: 23.042 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

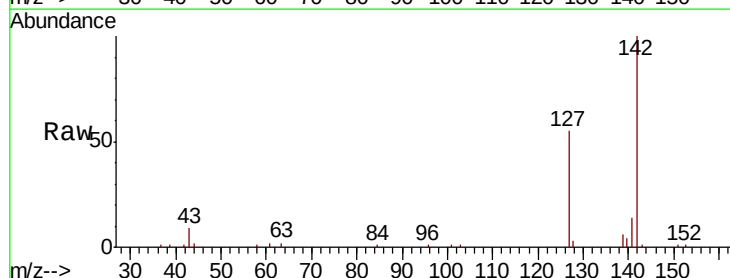
Tgt Ion:142 Resp: 233178

Ion Ratio Lower Upper

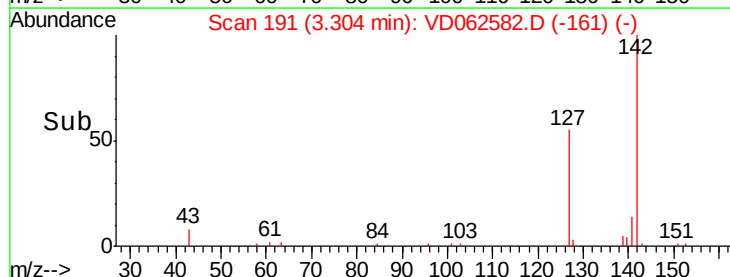
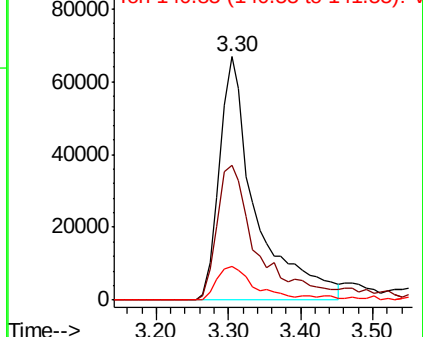
142 100

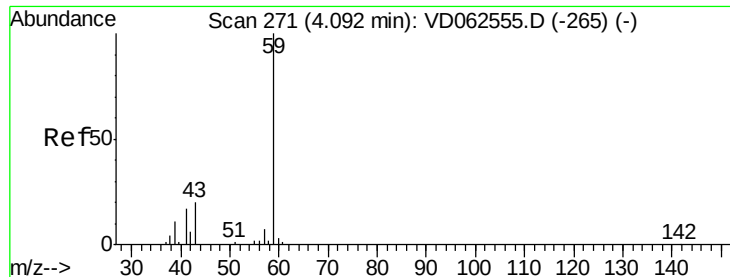
127 55.4 51.2 76.8

141 14.0 11.0 16.4



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



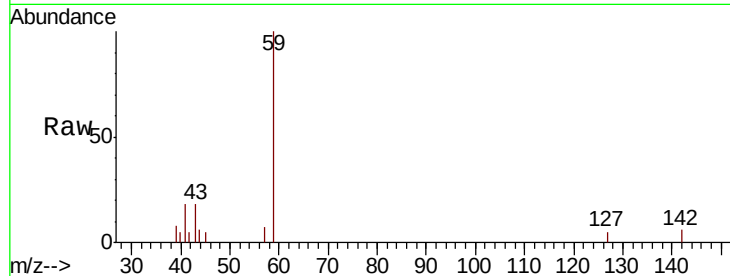


#11

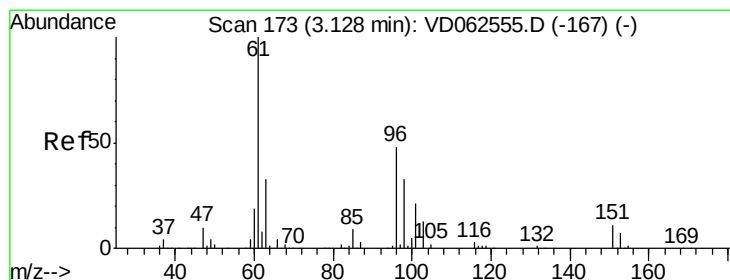
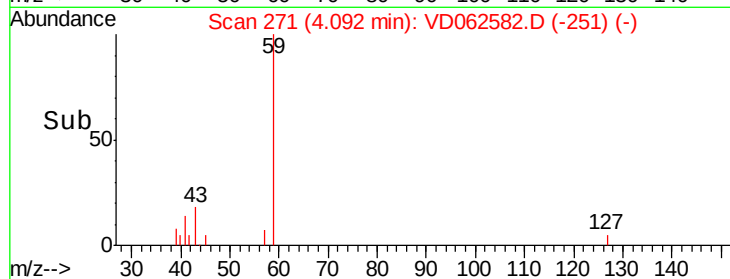
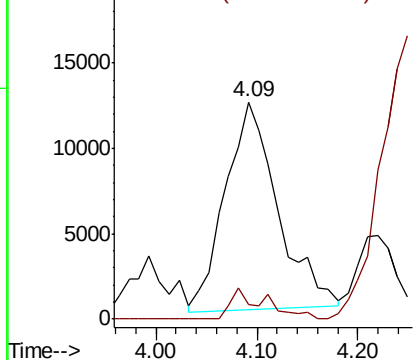
Tert butyl alcohol
Concen: 108.929 ug/l
RT: 4.09 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 43944
Ion Ratio Lower Upper
59 100
57 6.9 5.4 8.0



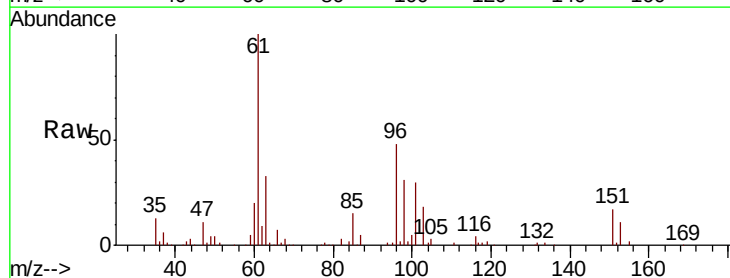
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



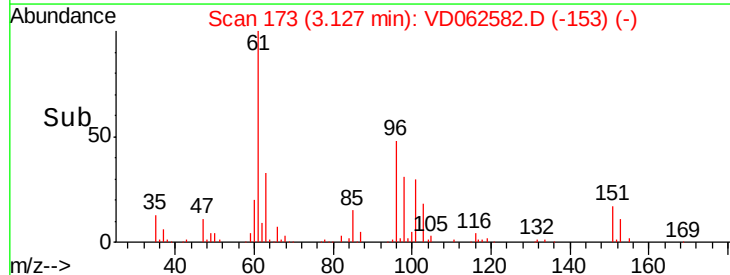
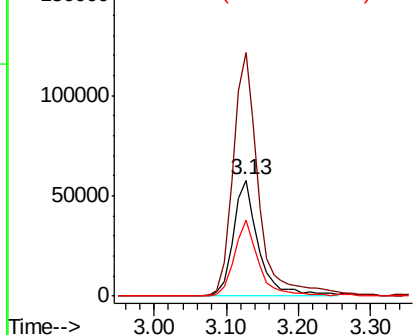
#12

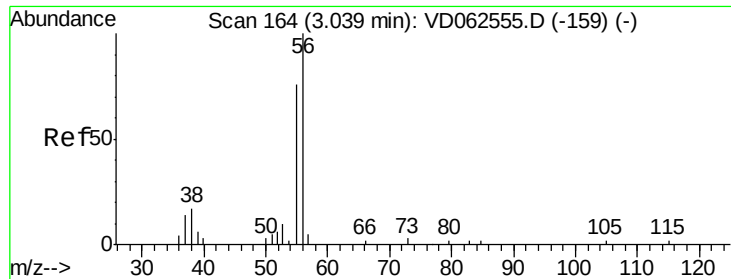
1,1-Dichloroethene
Concen: 22.553 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 96 Resp: 142291
Ion Ratio Lower Upper
96 100
61 209.6 166.6 250.0
98 65.5 54.4 81.6



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





#13

Acrolein

Concen: 117.603 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

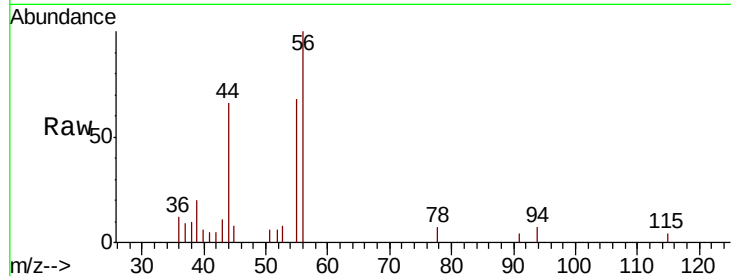
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 20672

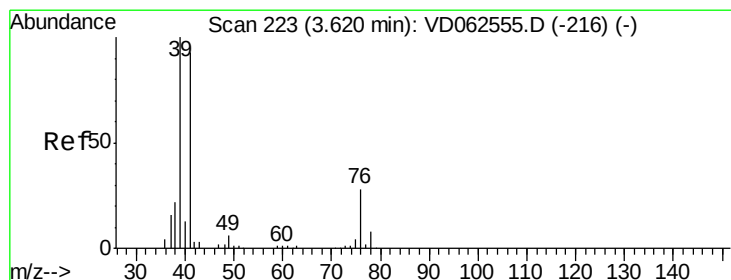
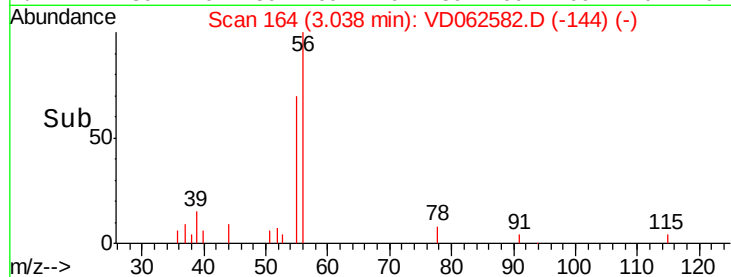
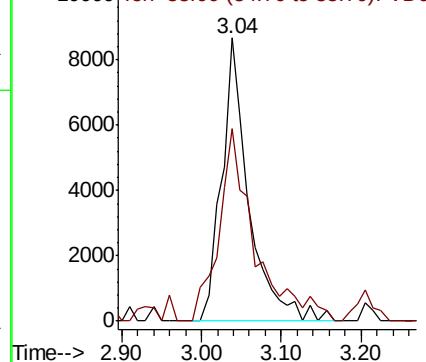
Ion Ratio Lower Upper

56 100

55 67.8 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.150 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

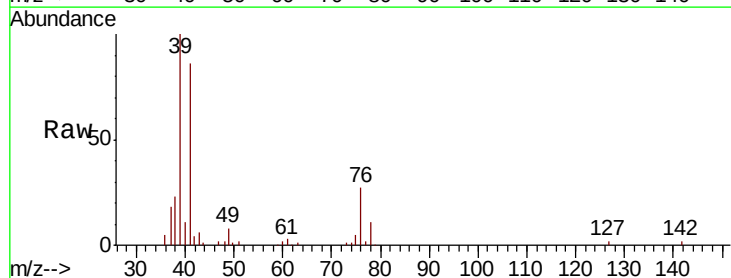
Tgt Ion: 41 Resp: 208439

Ion Ratio Lower Upper

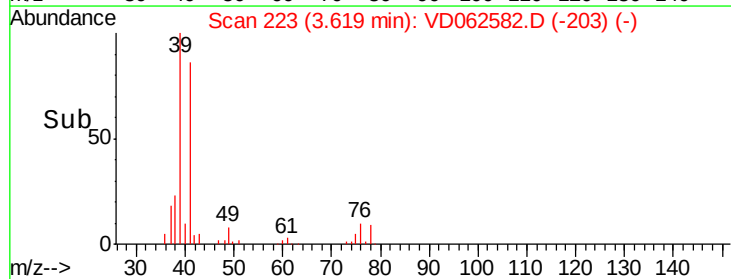
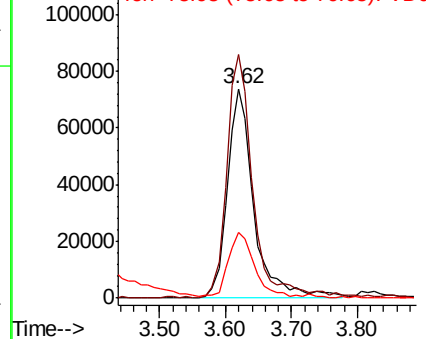
41 100

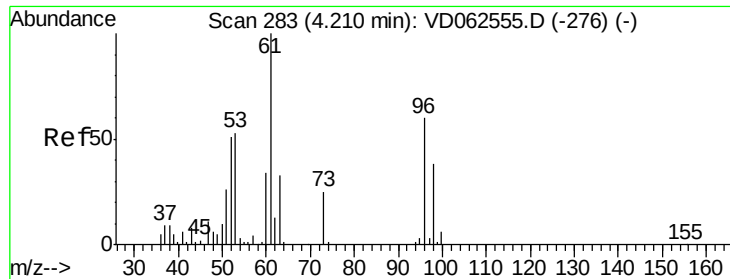
39 116.4 86.3 129.5

76 31.3 25.5 38.3



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: 115.798 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

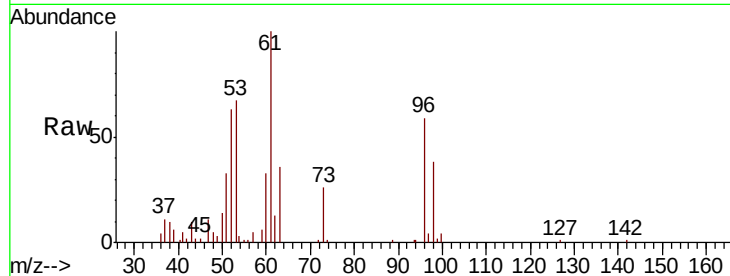
Tot Ion: 53 Resp: 111675

Ion Ratio Lower Upper

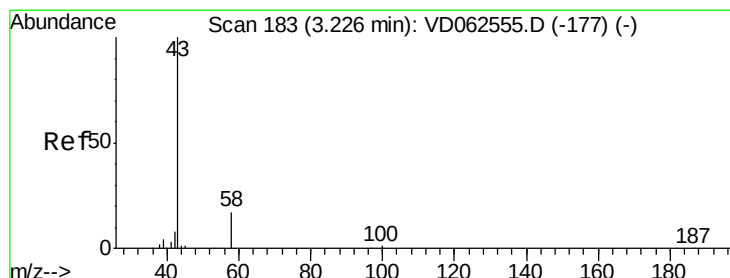
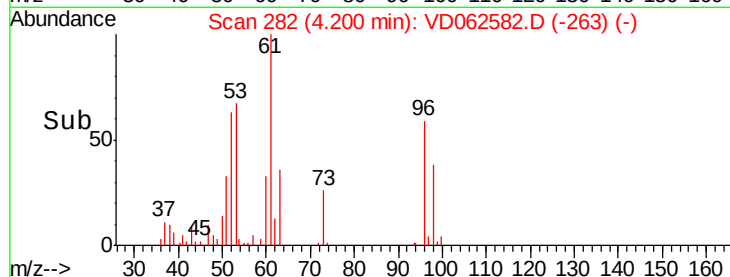
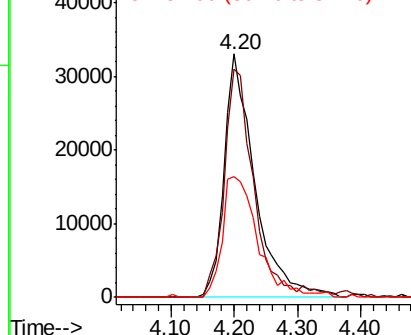
53 100

52 93.8 76.2 114.2

51 49.6 40.2 60.4



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: 107.794 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062582.D

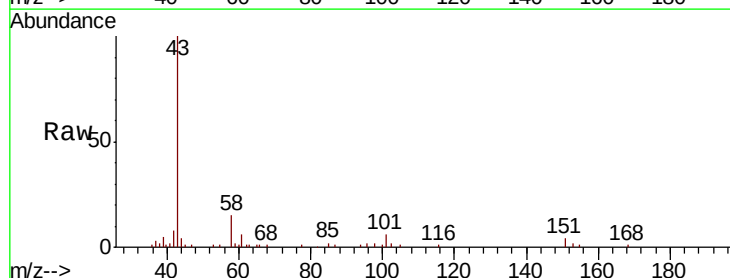
Acq: 3 Jun 2019 13:41

Tgt Ion: 43 Resp: 200321

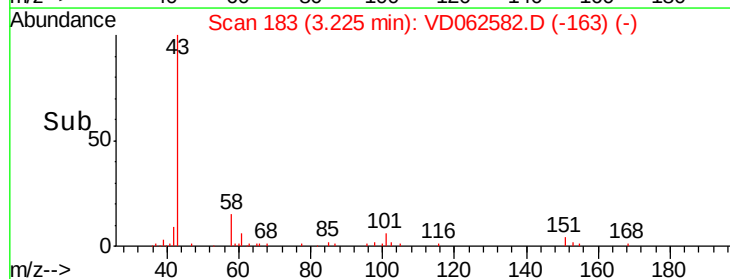
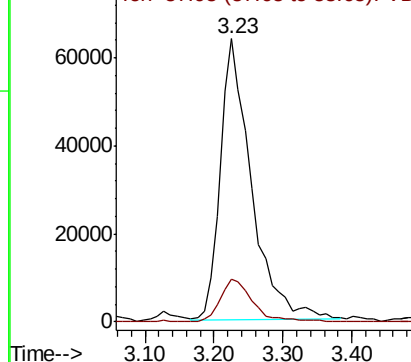
Ion Ratio Lower Upper

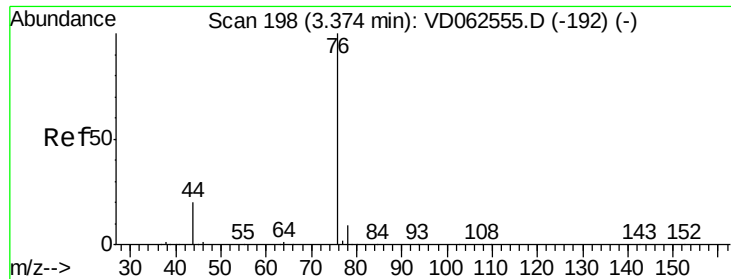
43 100

58 15.0 13.8 20.8



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





#17

Carbon Disulfide

Concen: 19.598 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

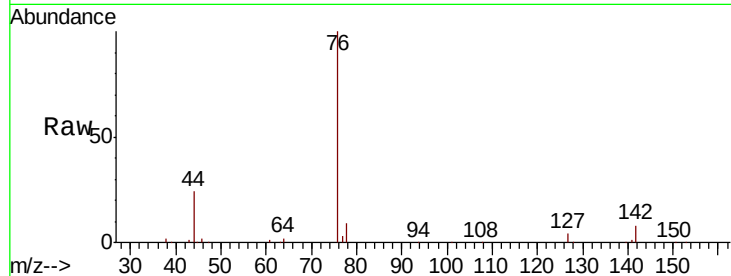
ClientSampleId :

Tot Ion: 76 Resp: 401934

Ion Ratio Lower Upper

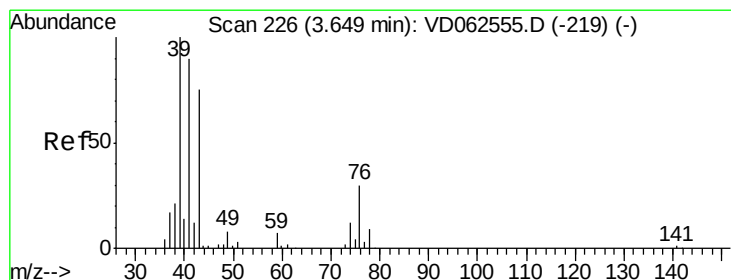
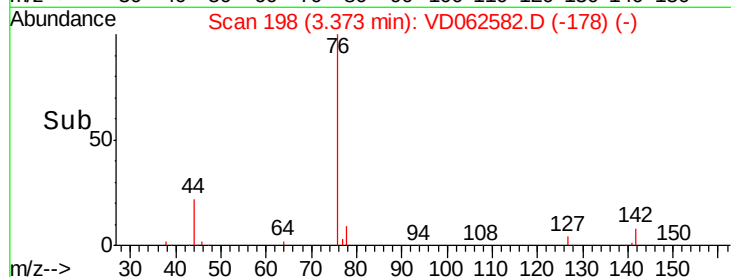
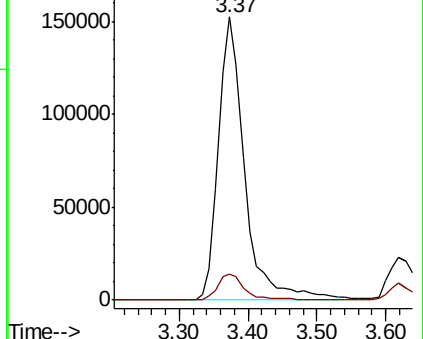
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 24.840 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062582.D

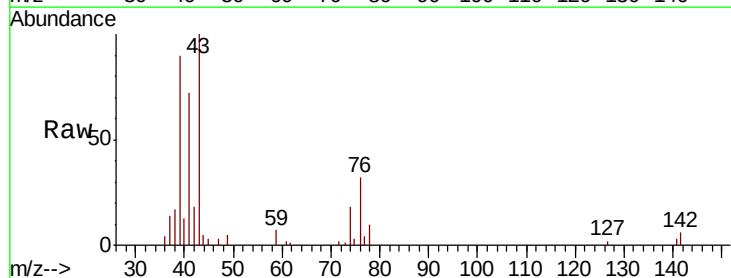
Acq: 3 Jun 2019 13:41

Tgt Ion: 43 Resp: 75343

Ion Ratio Lower Upper

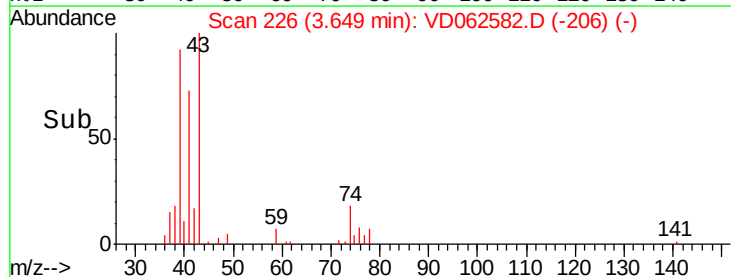
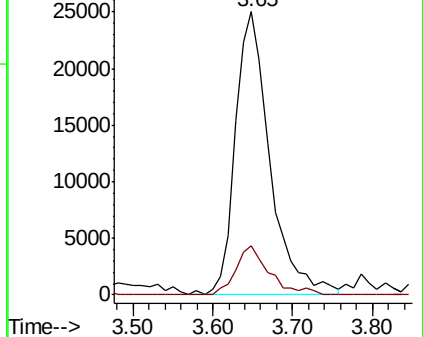
43 100

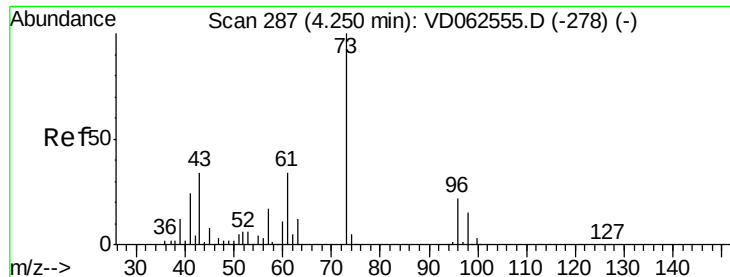
74 17.5 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

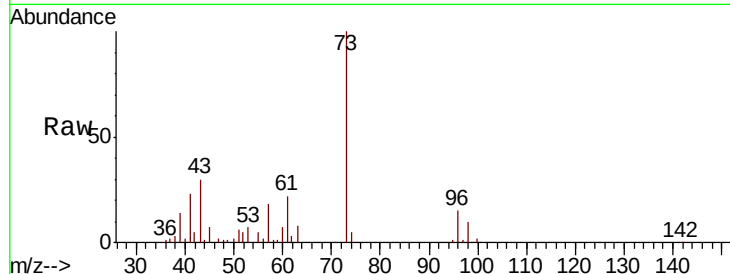




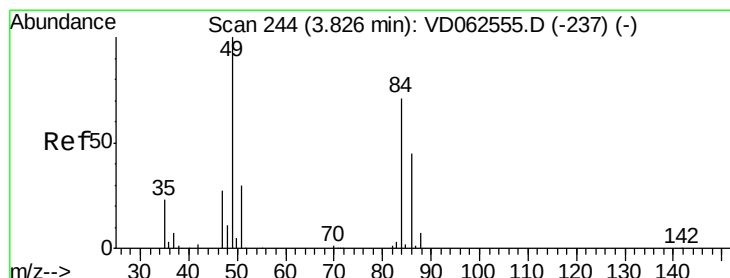
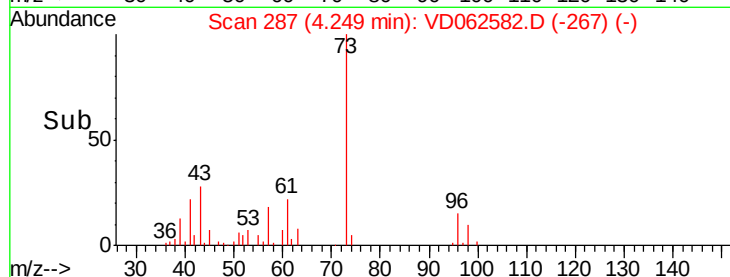
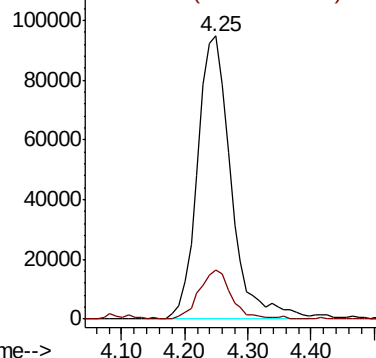
#19
Methyl tert-butyl Ether
Concen: 22.817 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 348733
Ion Ratio Lower Upper
73 100
57 17.5 13.8 20.8

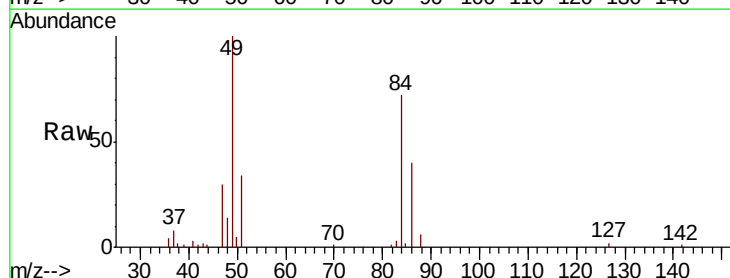


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

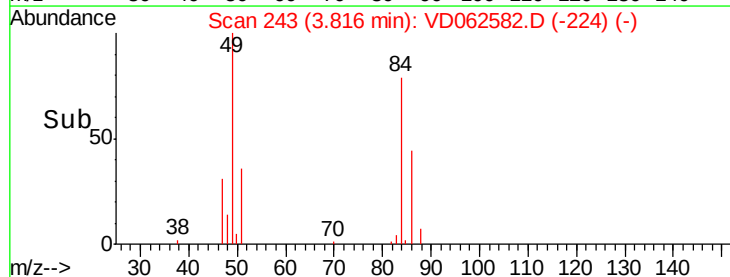
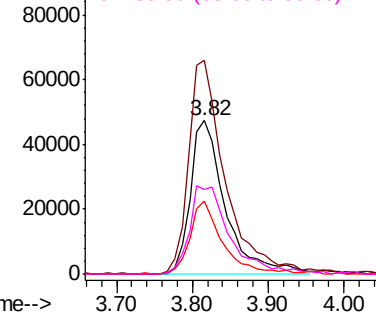


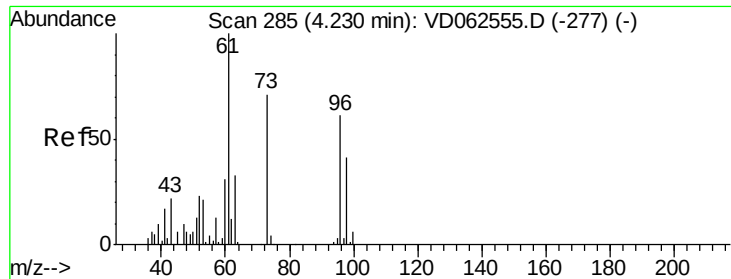
#20
Methylene Chloride
Concen: 21.986 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 84 Resp: 151244
Ion Ratio Lower Upper
84 100
49 139.1 112.3 168.5
51 47.3 33.6 50.4
86 55.0 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.829 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

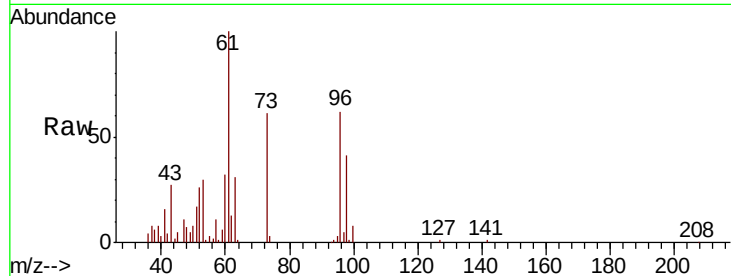
Tot Ion: 96 Resp: 149133

Ion Ratio Lower Upper

96 100

61 161.0 131.1 196.7

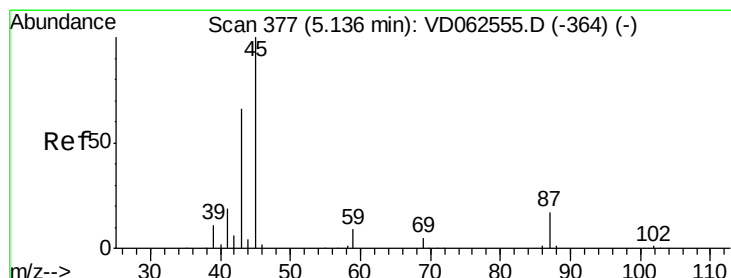
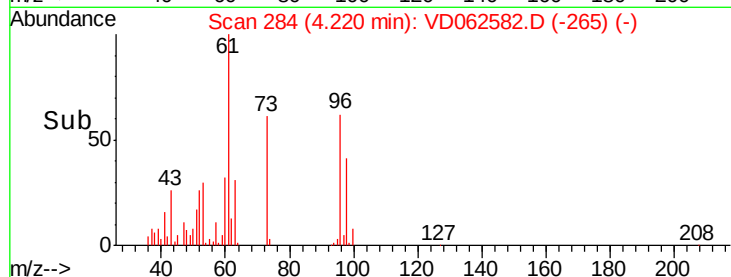
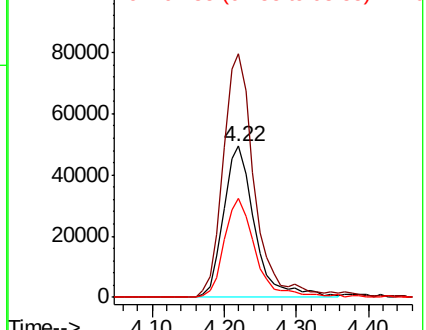
98 65.8 54.2 81.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.069 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Tgt Ion: 45 Resp: 444331

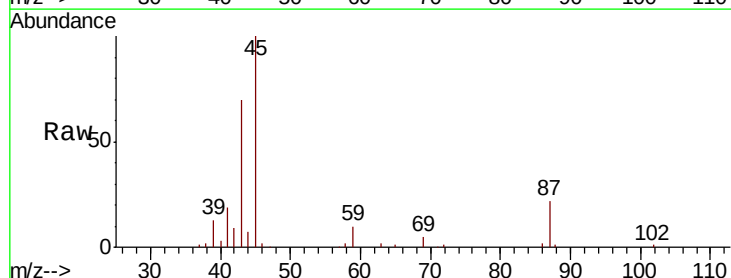
Ion Ratio Lower Upper

45 100

43 70.3 53.6 80.4

87 21.5 14.2 21.4#

59 9.6 7.3 10.9

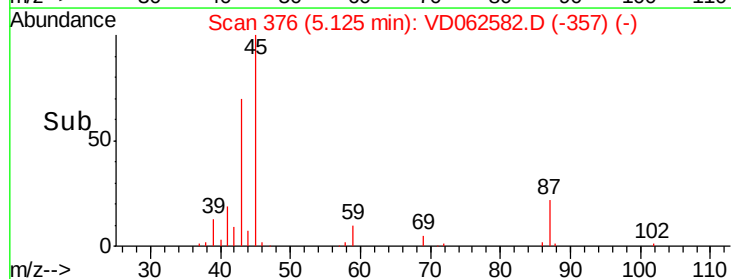
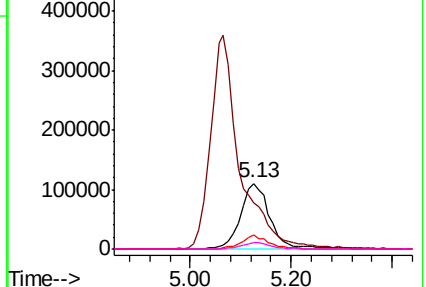


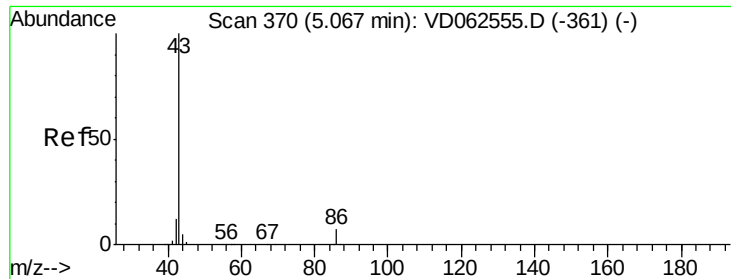
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 118.382 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

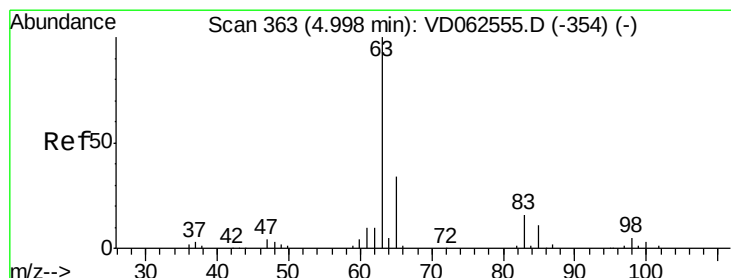
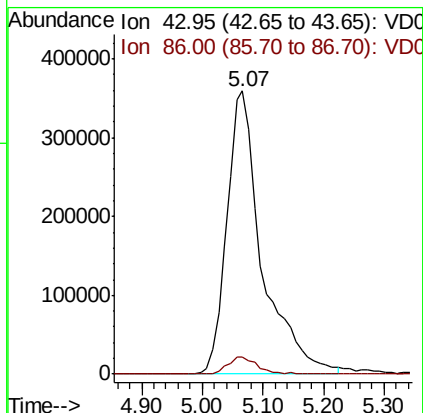
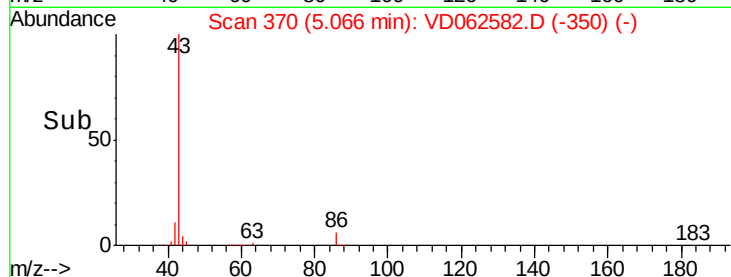
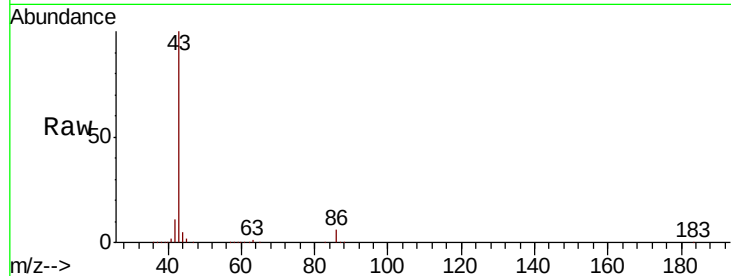
ClientSampleId :

Tot Ion: 43 Resp: 1445427

Ion Ratio Lower Upper

43 100

86 5.9 5.5 8.3



#24

1,1-Dichloroethane

Concen: 21.300 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

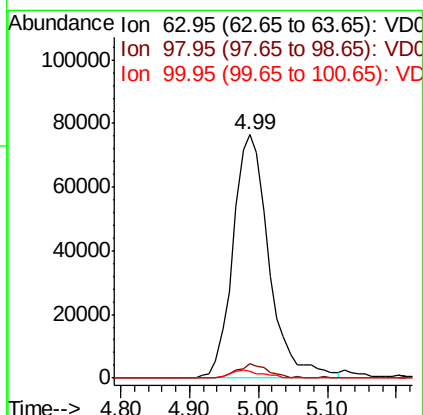
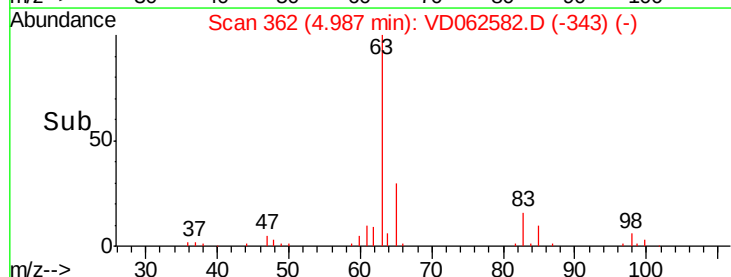
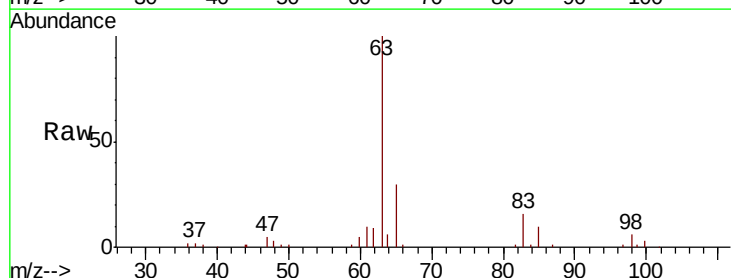
Tgt Ion: 63 Resp: 276746

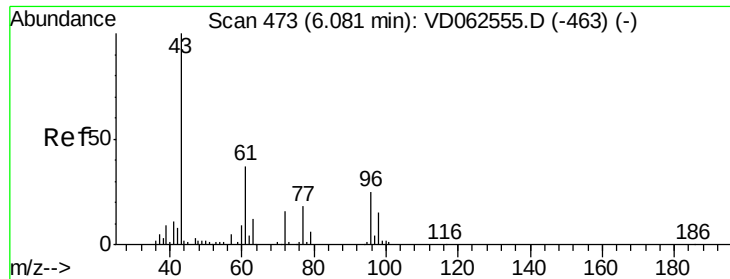
Ion Ratio Lower Upper

63 100

98 5.9 2.5 7.5

100 2.9 1.6 4.7





#25

2-Butanone

Concen: 114.704 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

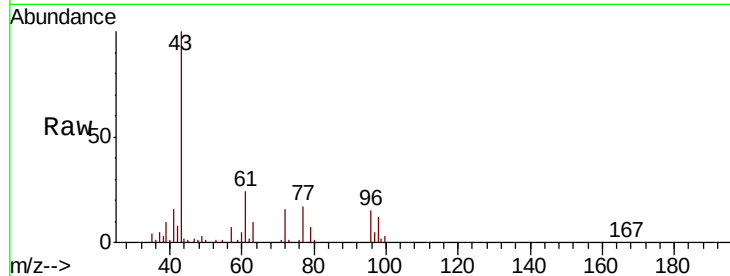
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 200756

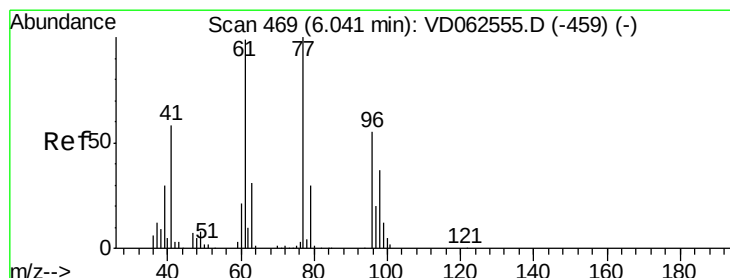
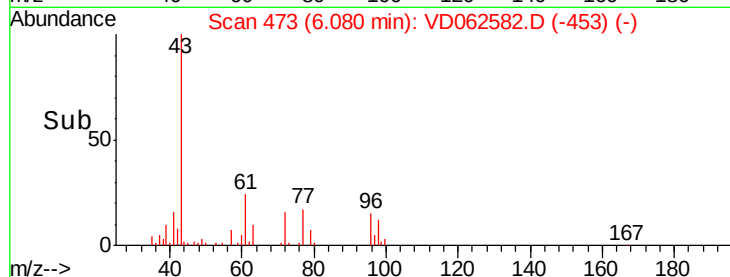
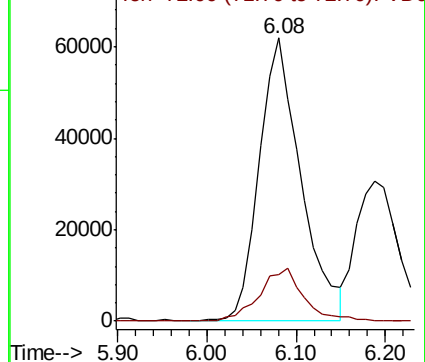
Ion Ratio Lower Upper

43 100

72 16.3 12.7 19.1



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



#26

2,2-Dichloropropane

Concen: 22.576 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062582.D

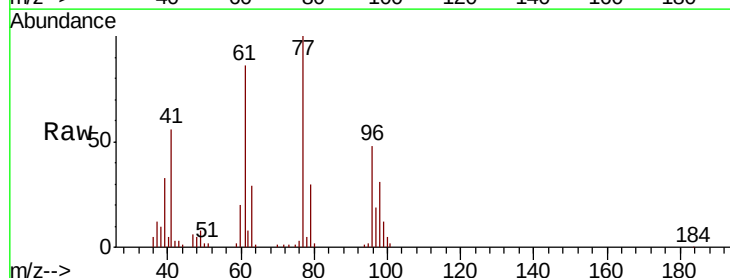
Acq: 3 Jun 2019 13:41

Tgt Ion: 77 Resp: 325414

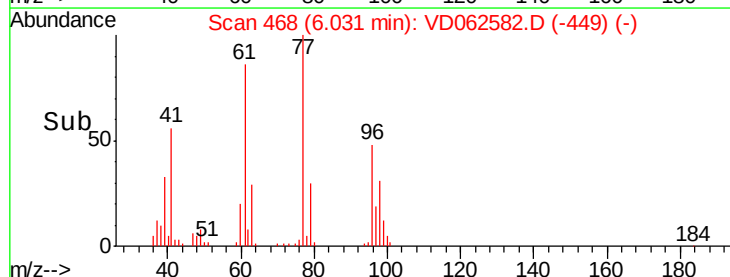
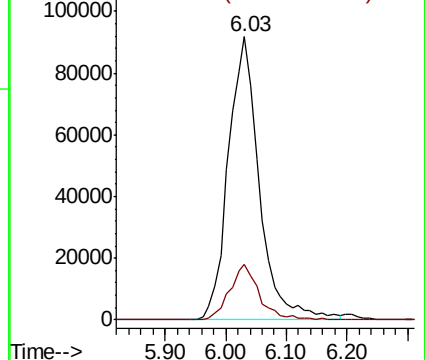
Ion Ratio Lower Upper

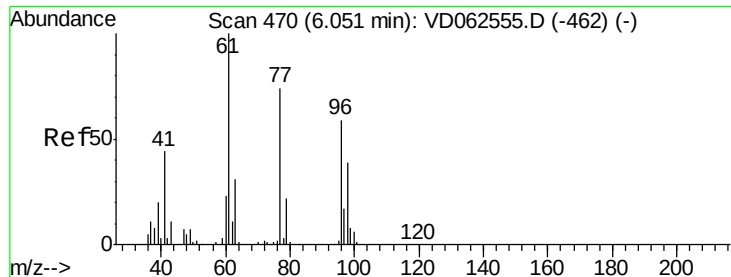
77 100

97 19.5 9.8 29.3



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



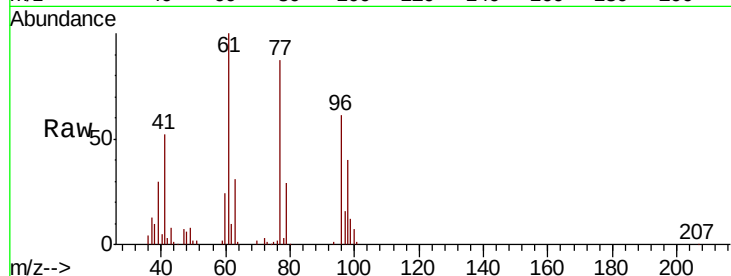


#27

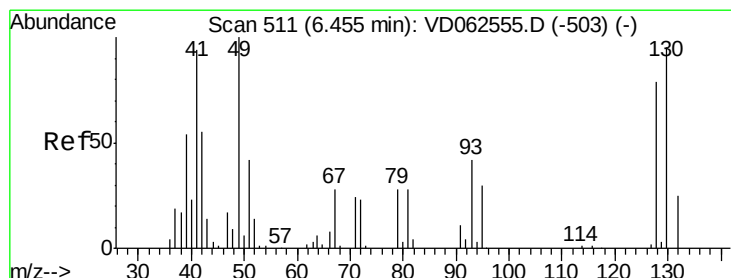
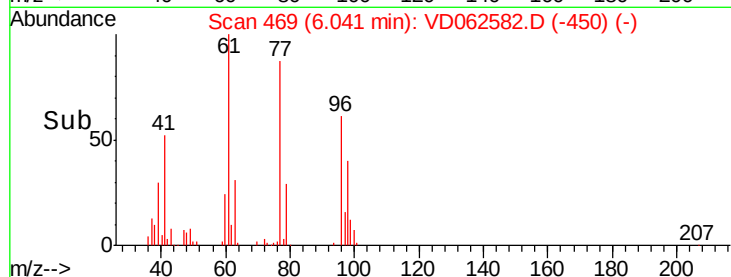
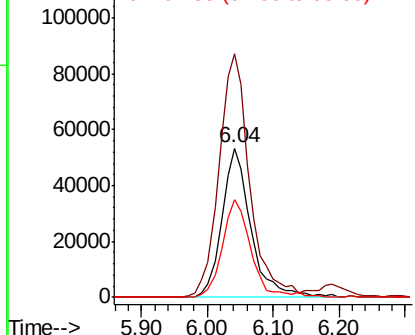
cis-1,2-Dichloroethene
Concen: 22.231 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 163617
Ion Ratio Lower Upper
96 100
61 163.1 0.0 342.4
98 65.6 0.0 134.6



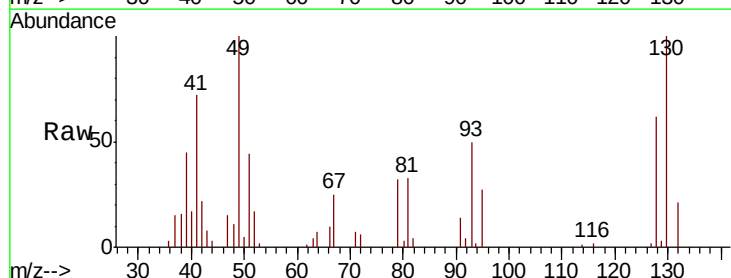
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



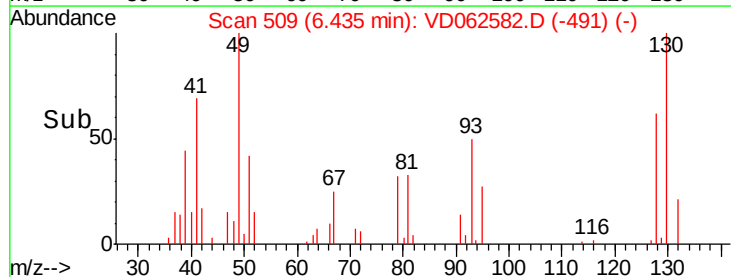
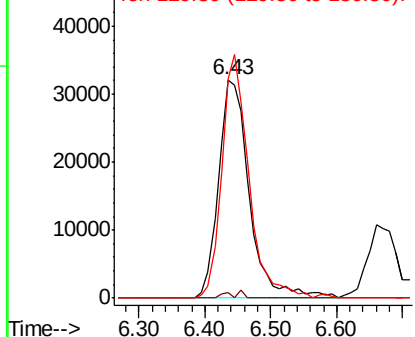
#28

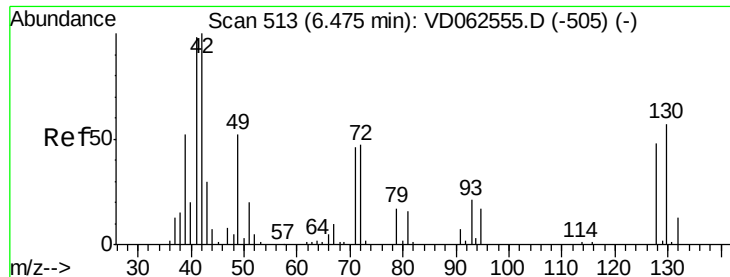
Bromochloromethane
Concen: 23.239 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 49 Resp: 104333
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.6
130 100.5 75.8 113.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

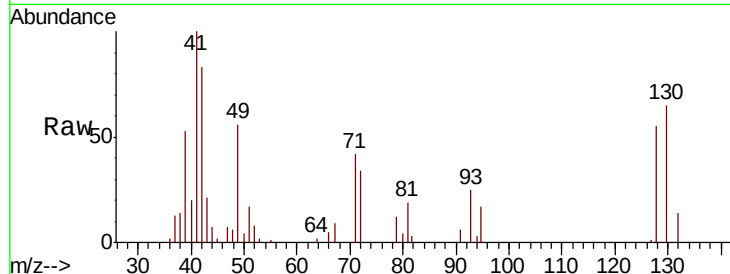




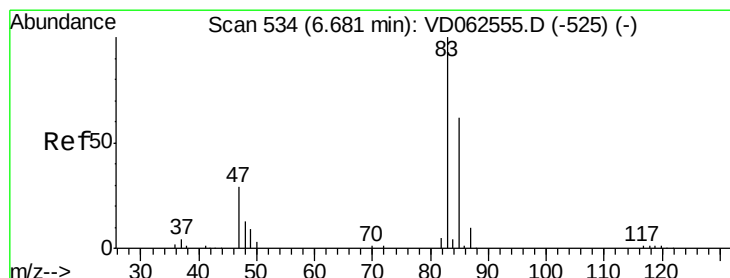
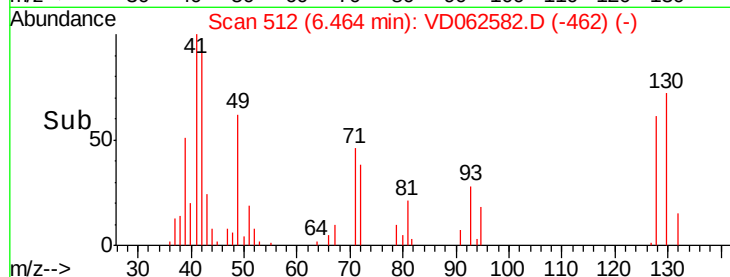
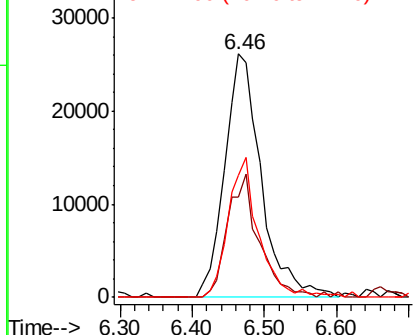
#29
Tetrahydrofuran
Concen: 117.435 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 92069
Ion Ratio Lower Upper
42 100
72 43.2 34.5 51.7
71 48.4 33.0 49.6

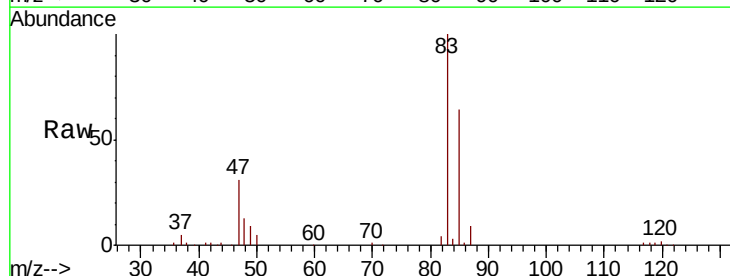


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

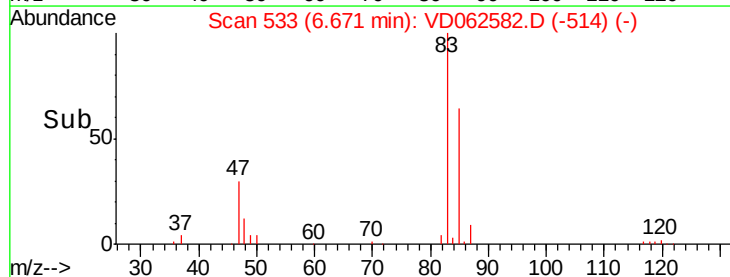
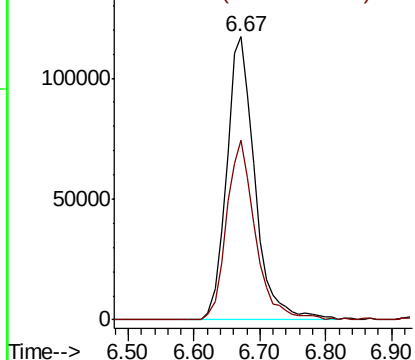


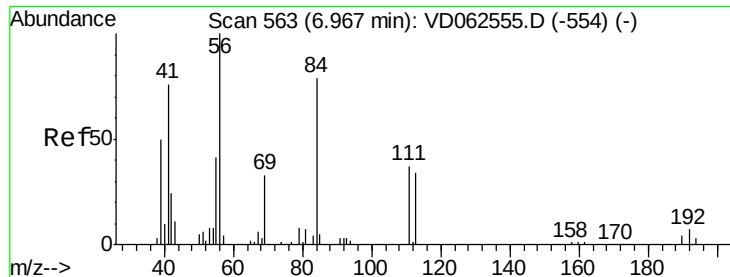
#30
Chloroform
Concen: 22.452 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 83 Resp: 351517
Ion Ratio Lower Upper
83 100
85 63.5 49.4 74.0



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

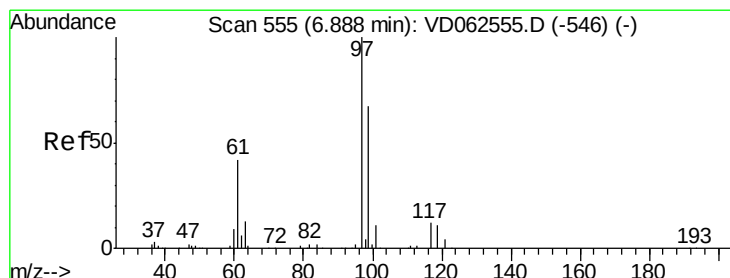
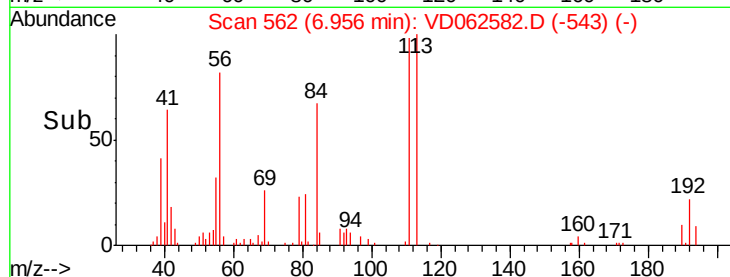
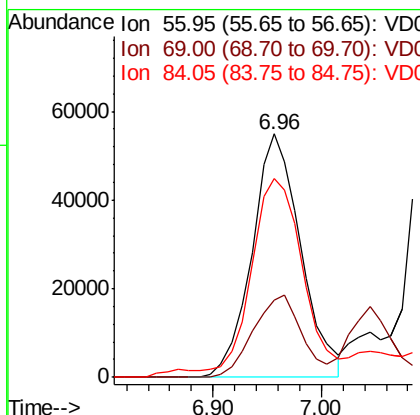
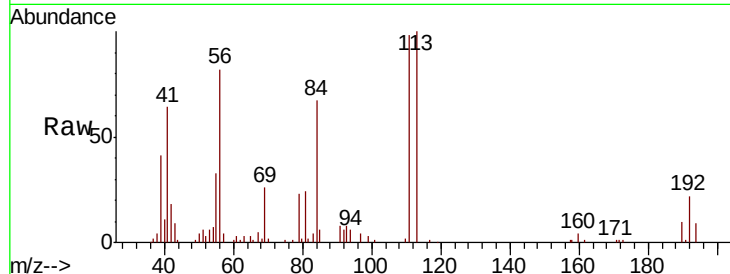




#31
Cyclohexane
Concen: 19.616 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

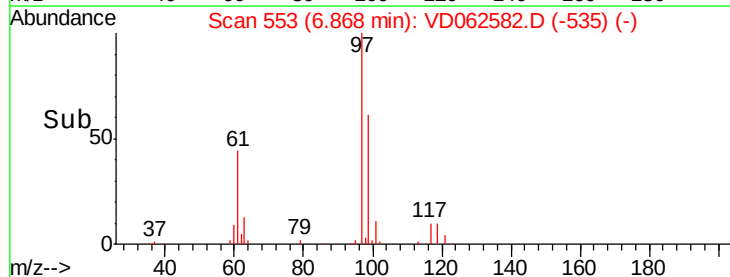
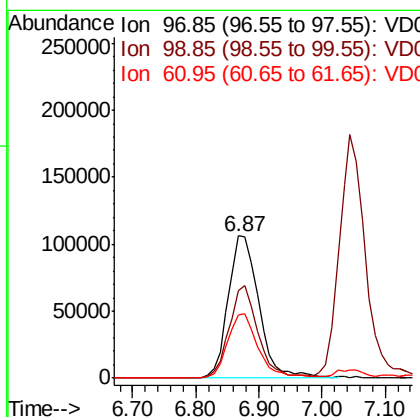
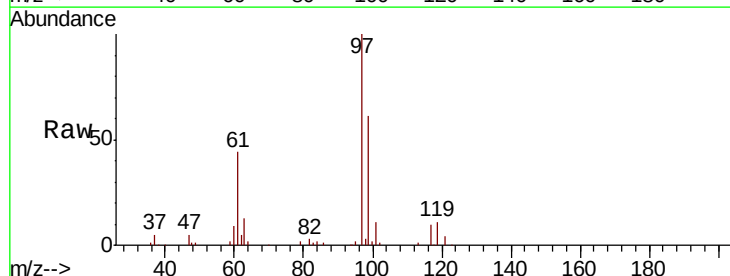
Instrument :
MSVOA_D
ClientSampleId :

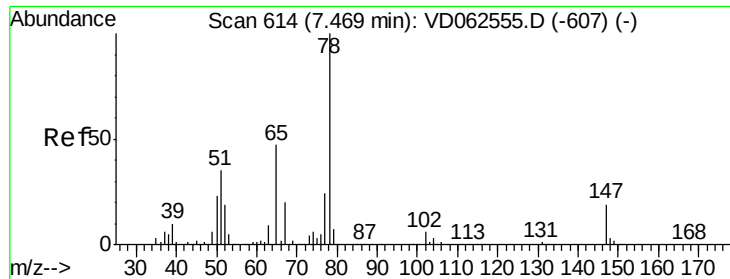
Tot Ion: 56 Resp: 172313
Ion Ratio Lower Upper
56 100
69 31.7 26.2 39.2
84 81.8 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.996 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 97 Resp: 358398
Ion Ratio Lower Upper
97 100
99 61.4 53.6 80.4
61 44.5 33.9 50.9

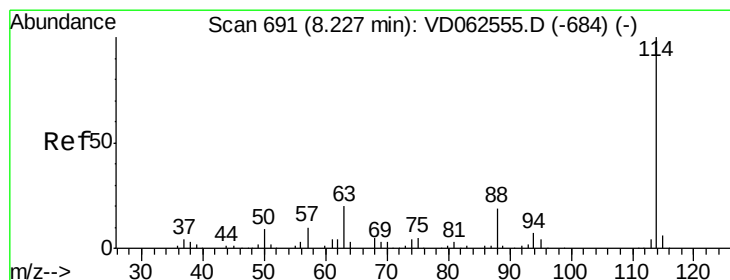
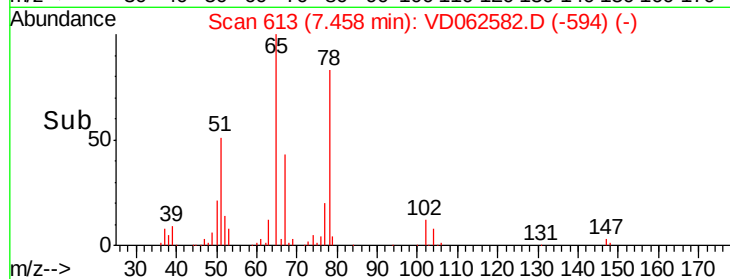
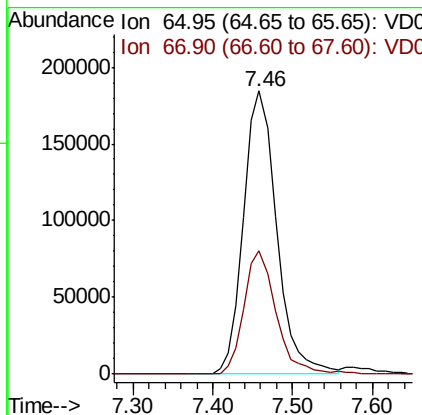
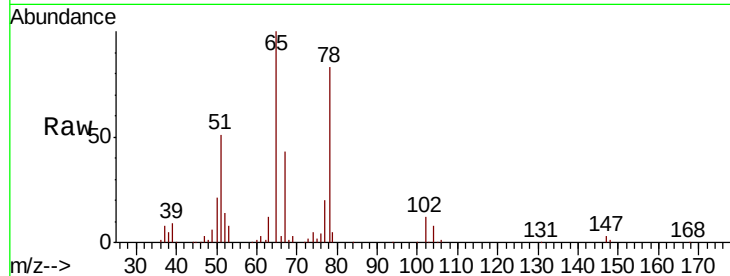




#33
 1,2-Dichloroethane-d4
 Concen: 56.166 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

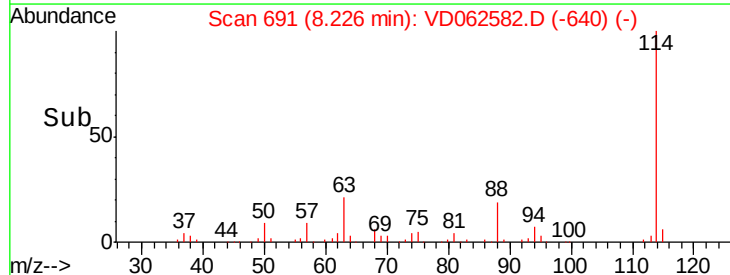
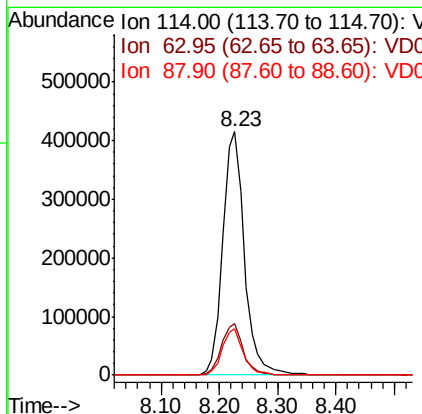
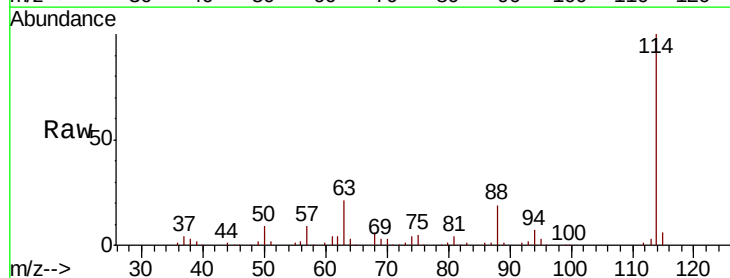
Instrument :
 MSVOA_D
 ClientSampled :

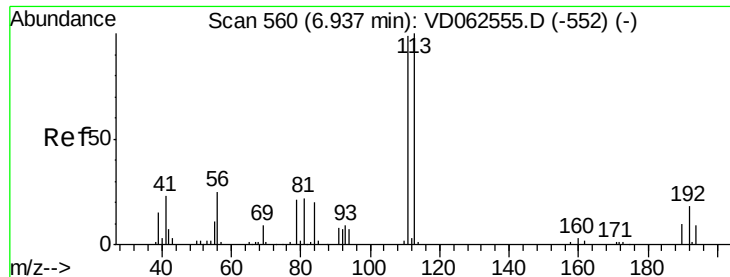
Tot Ion: 65 Resp: 531235
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion: 114 Resp: 1072493
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.6
 88 19.0 0.0 37.6

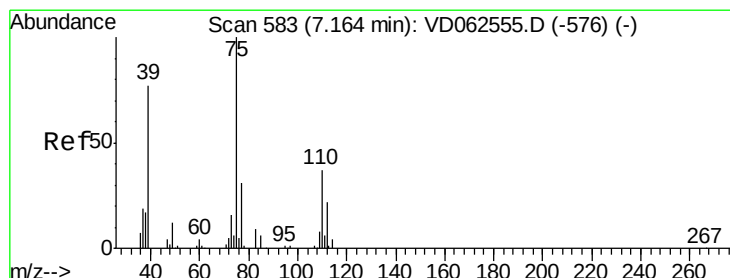
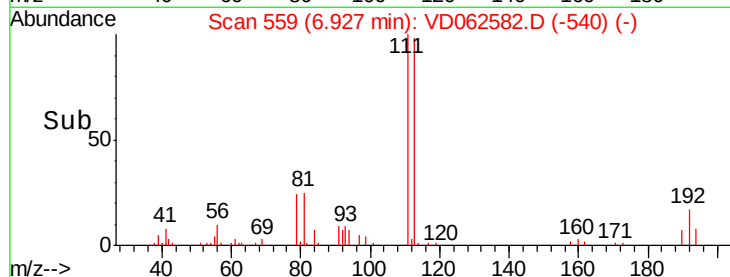
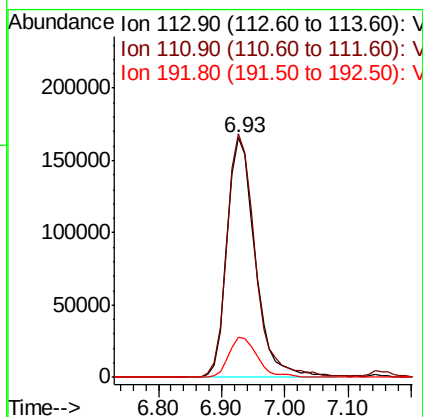
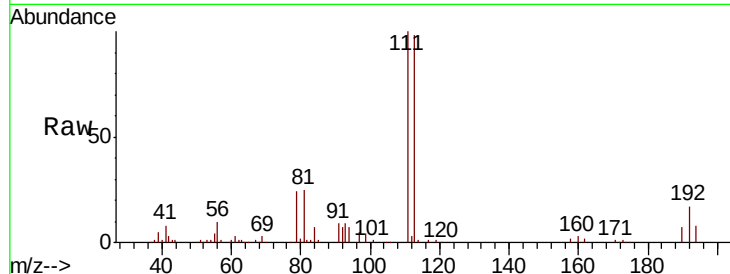




#35
 Dibromofluoromethane
 Concen: 52.392 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

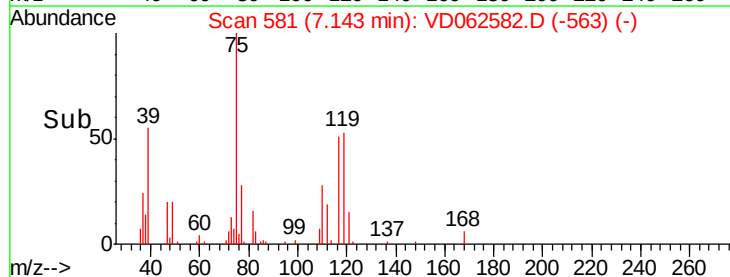
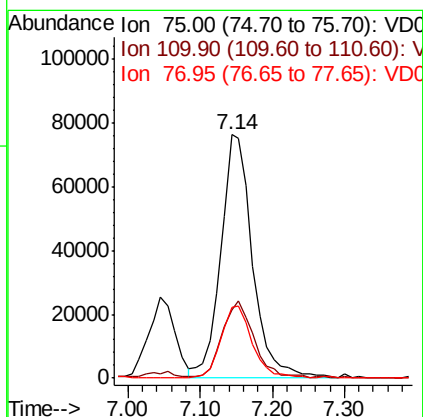
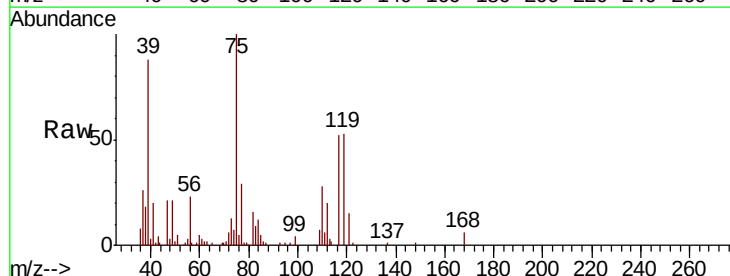
Instrument :
 MSVOA_D
 ClientSampled :

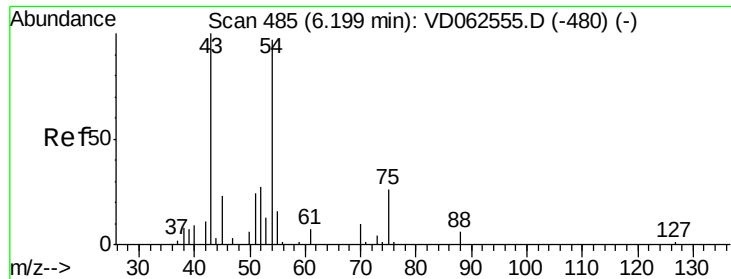
Tot Ion:113 Resp: 512038
 Ion Ratio Lower Upper
 113 100
 111 101.8 78.8 118.2
 192 17.0 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 21.399 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion: 75 Resp: 228460
 Ion Ratio Lower Upper
 75 100
 110 27.9 18.3 54.8
 77 28.8 24.4 36.6

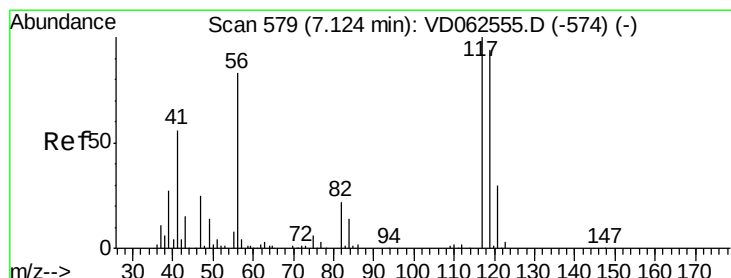
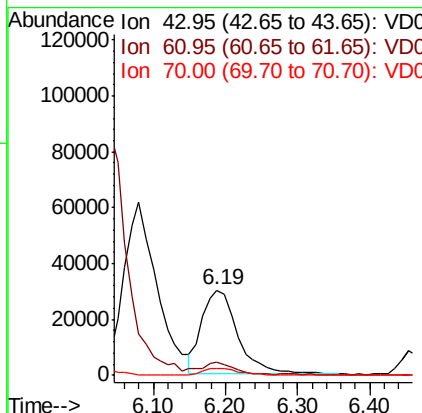
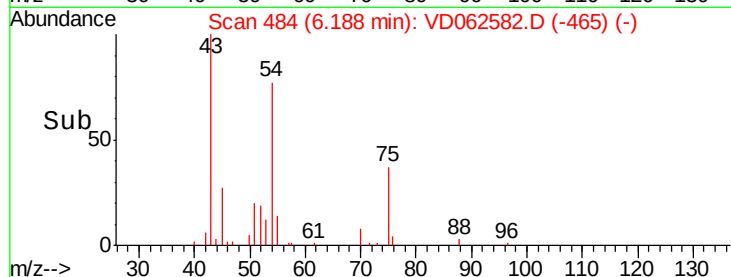
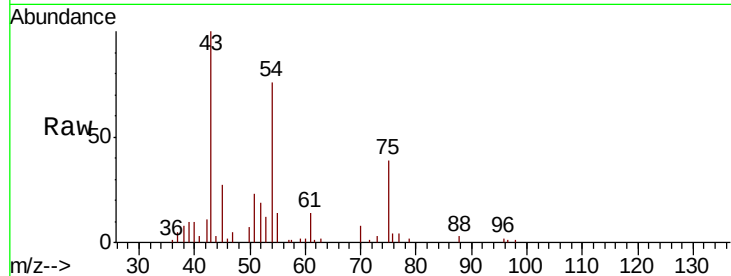




#37
Ethyl Acetate
Concen: 22.774 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

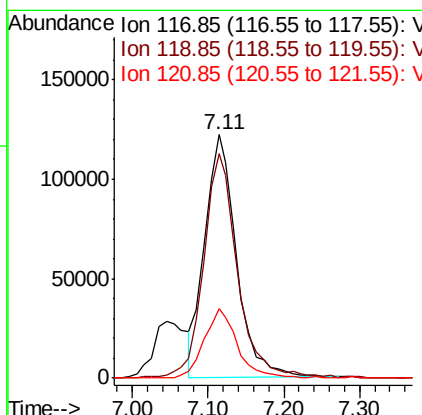
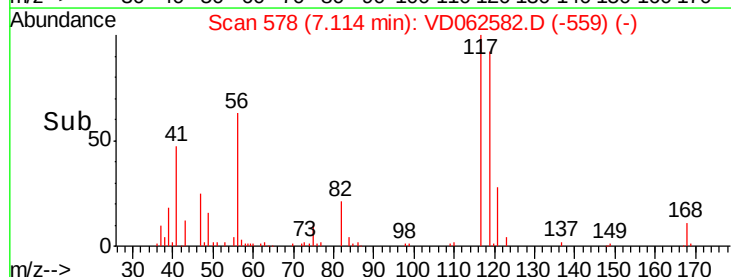
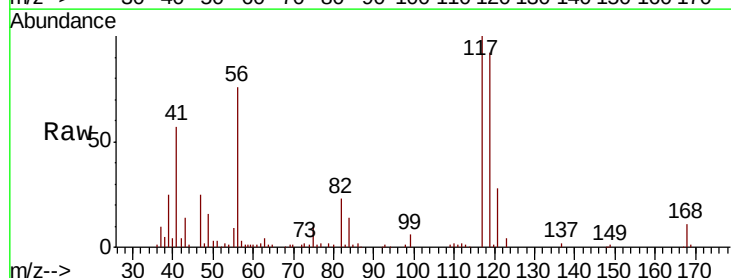
Instrument :
MSVOA_D
ClientSampleID :

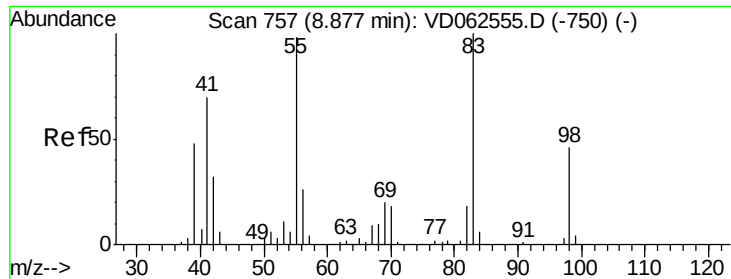
Tot Ion: 43 Resp: 102505
Ion Ratio Lower Upper
43 100
61 15.2 9.8 14.8#
70 7.8 6.5 9.7



#38
Carbon Tetrachloride
Concen: 22.306 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 117 Resp: 354560
Ion Ratio Lower Upper
117 100
119 92.3 71.4 107.2
121 28.4 22.5 33.7

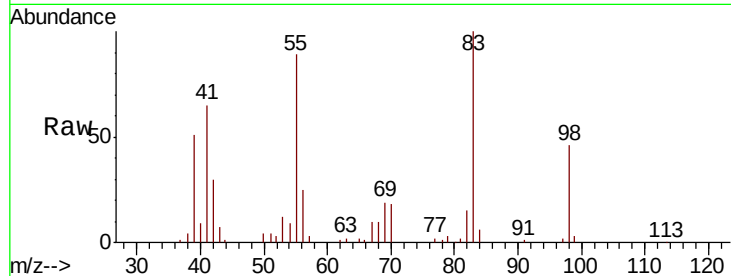




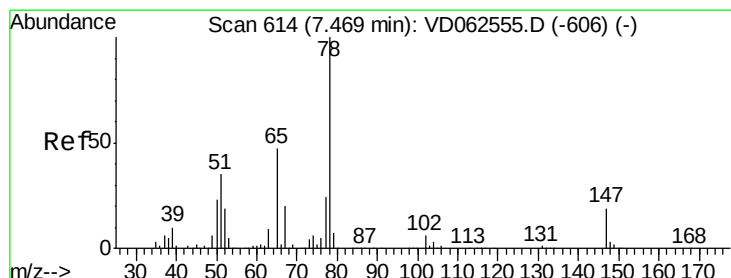
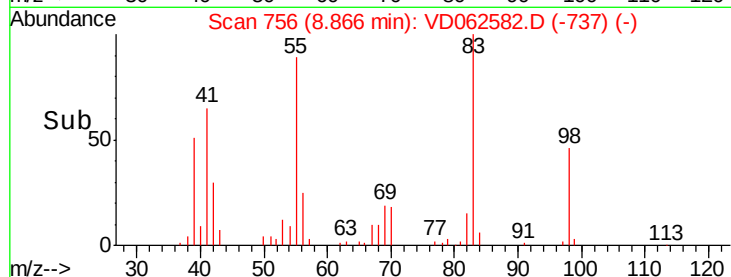
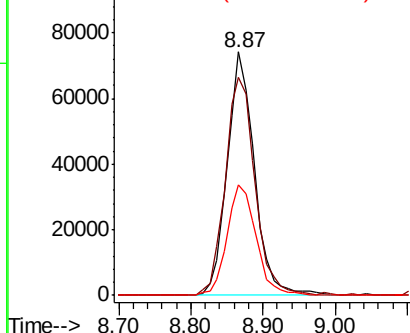
#39
Methylvlcyclohexane
Concen: 21.556 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 194846
Ion Ratio Lower Upper
83 100
55 89.4 78.7 118.1
98 45.6 37.2 55.8

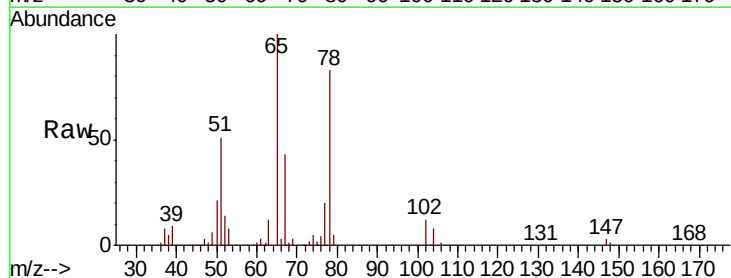


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

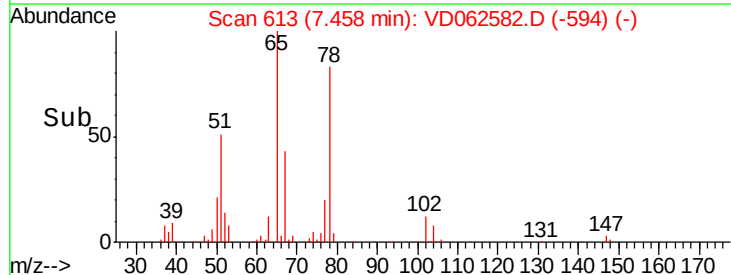
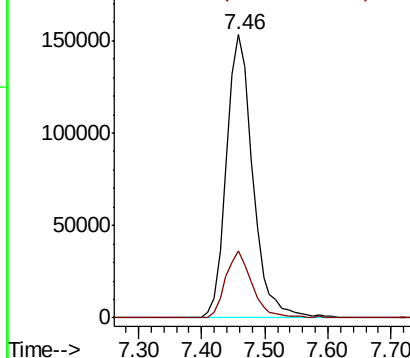


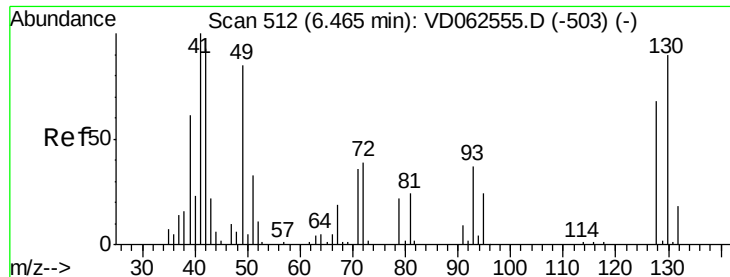
#40
Benzene
Concen: 21.180 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 78 Resp: 443806
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 25.115 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 133025

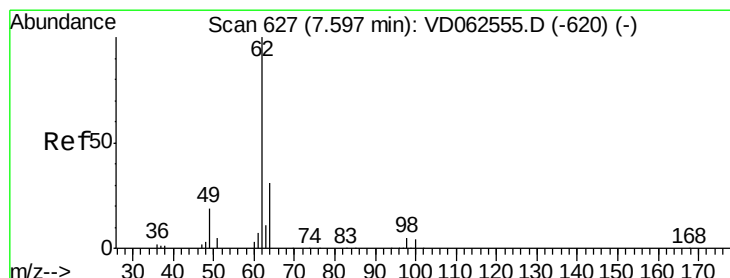
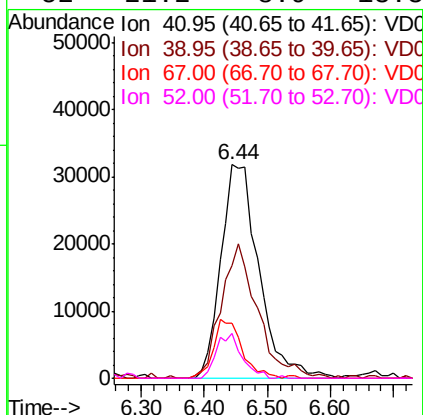
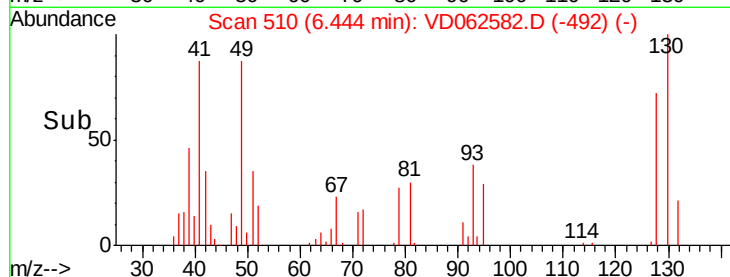
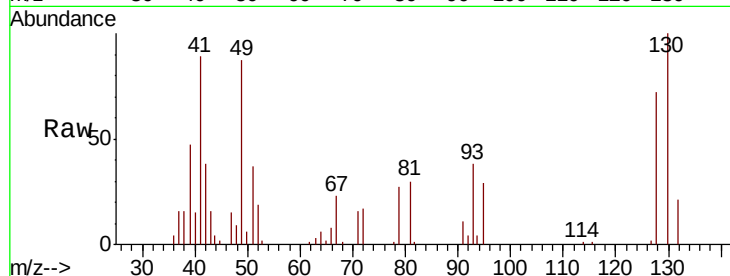
Ion Ratio Lower Upper

41 100

39 52.7 49.0 73.6

67 26.1 15.5 23.3#

52 21.2 8.9 13.3#



#42

1,2-Dichloroethane

Concen: 24.258 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062582.D

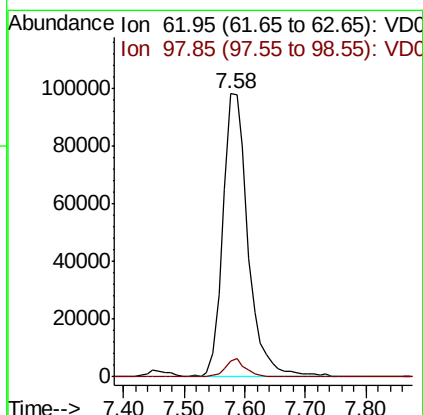
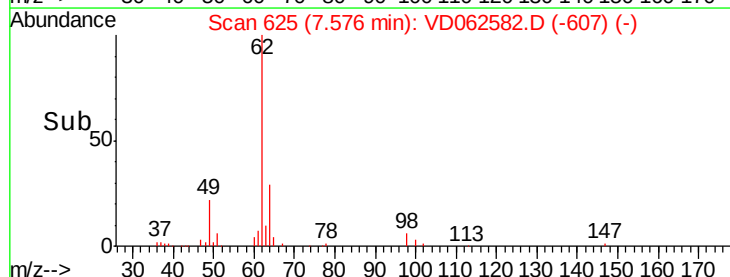
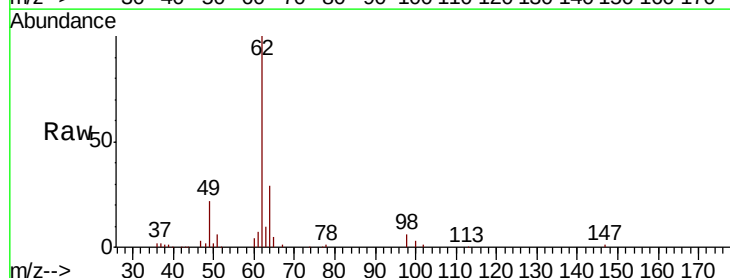
Acq: 3 Jun 2019 13:41

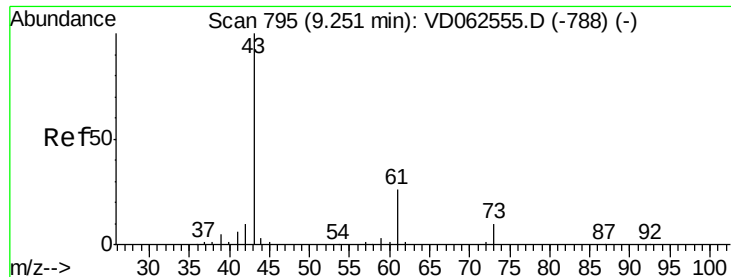
Tgt Ion: 62 Resp: 283137

Ion Ratio Lower Upper

62 100

98 5.6 0.0 11.0





#43

Isopropyl Acetate

Concen: 24.119 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

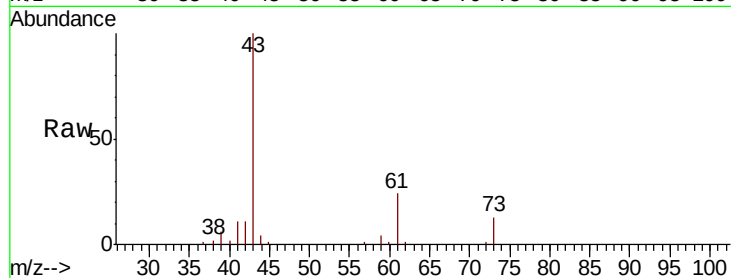
Tot Ion: 43 Resp: 135115

Ion Ratio Lower Upper

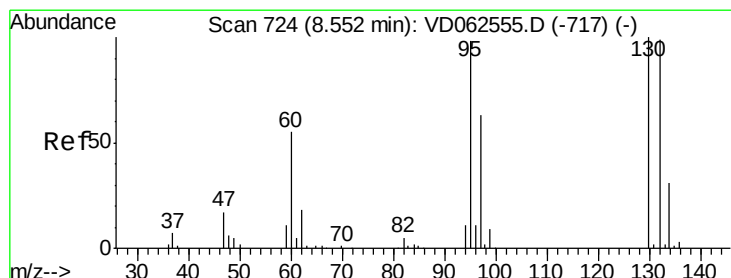
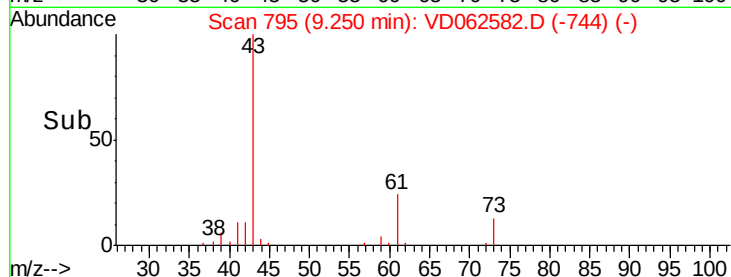
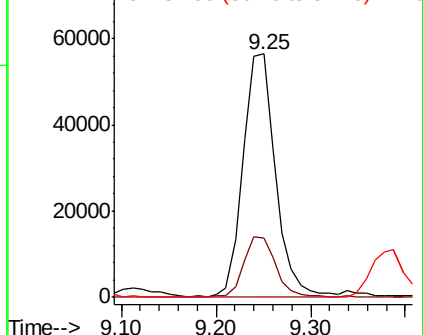
43 100

61 24.2 20.5 30.7

87 0.0 0.2 0.2#



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



#44

Trichloroethene

Concen: 21.560 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062582.D

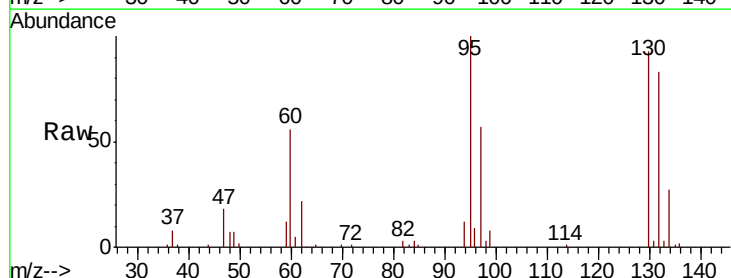
Acq: 3 Jun 2019 13:41

Tgt Ion:130 Resp: 180486

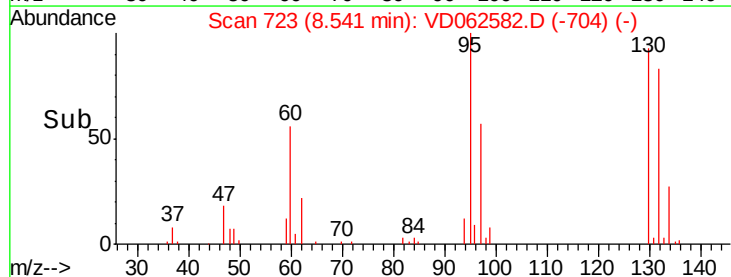
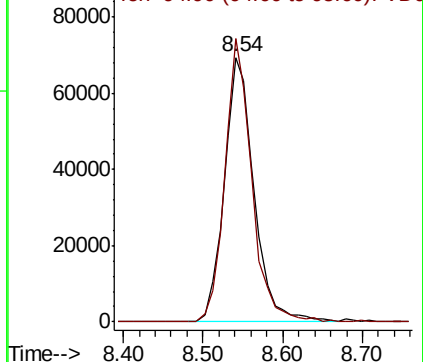
Ion Ratio Lower Upper

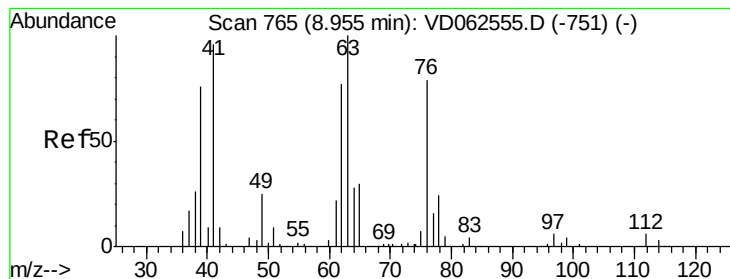
130 100

95 107.1 0.0 196.6



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





#45

1,2-Dichloropropane

Concen: 22.131 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

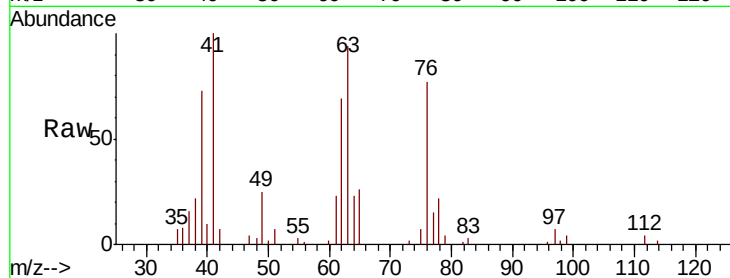
ClientSampleId :

Tot Ion: 63 Resp: 113692

Ion Ratio Lower Upper

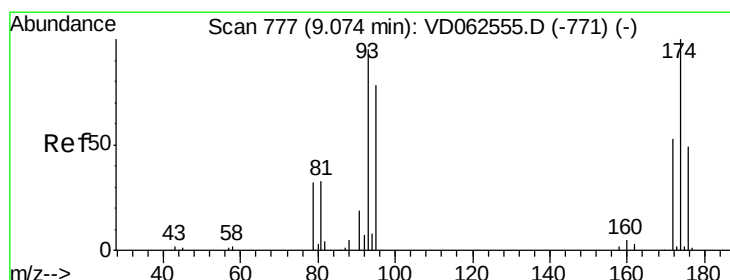
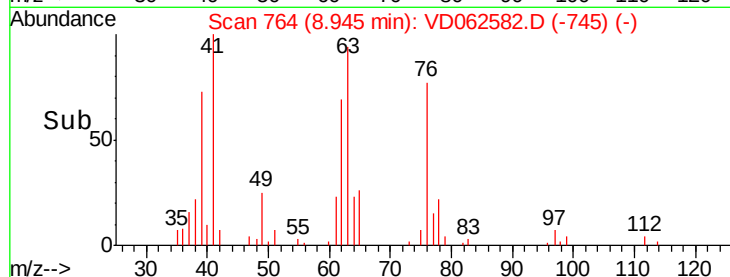
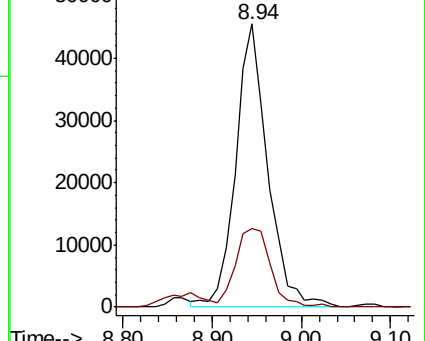
63 100

65 27.7 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.661 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

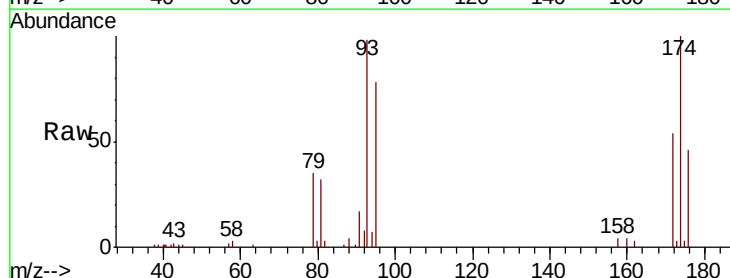
Tgt Ion: 93 Resp: 102101

Ion Ratio Lower Upper

93 100

95 79.2 66.1 99.1

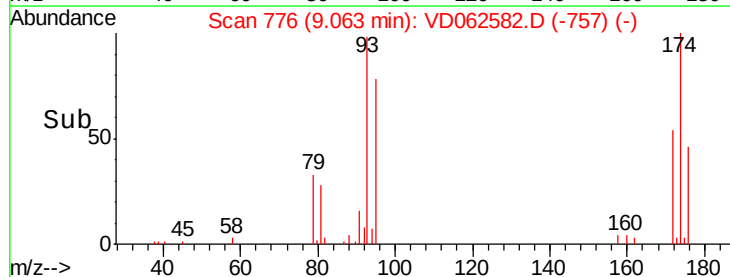
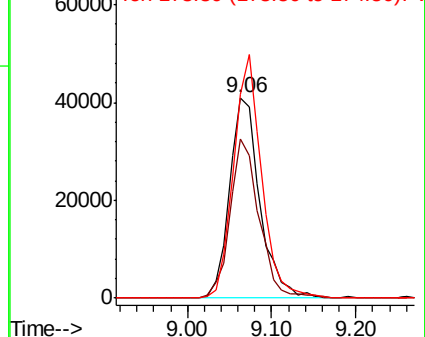
174 102.0 84.2 126.4

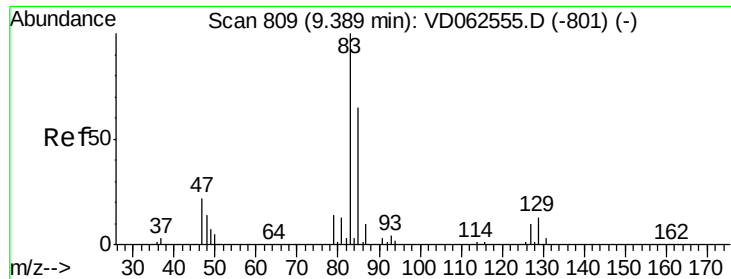


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.546 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampled :

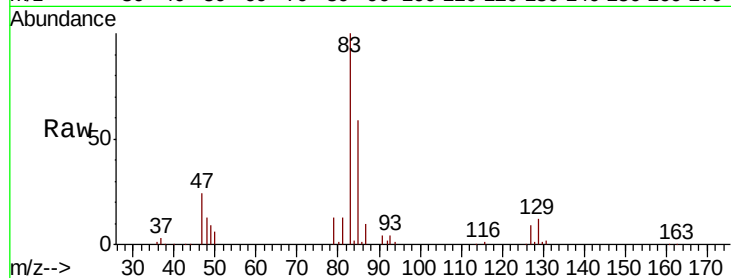
Tot Ion: 83 Resp: 268055

Ion Ratio Lower Upper

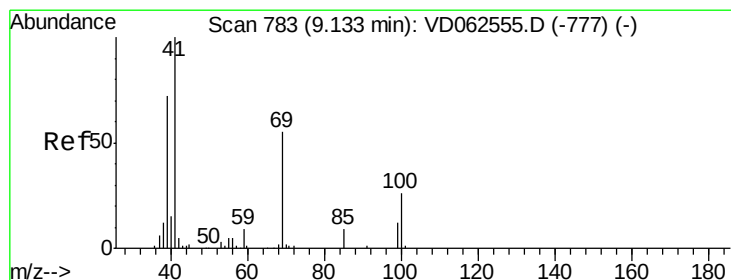
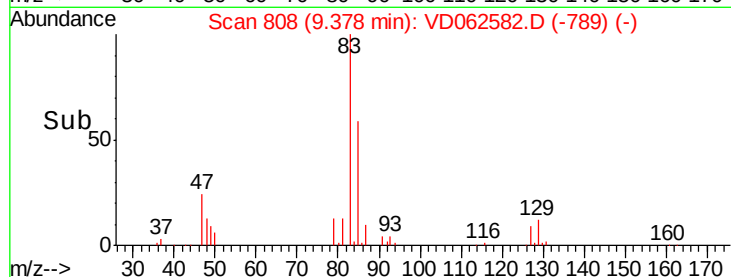
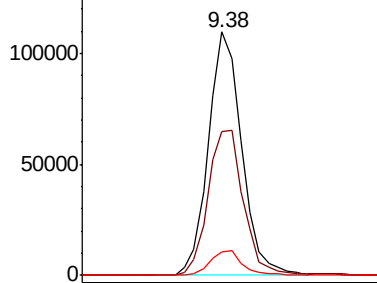
83 100

85 59.3 51.8 77.8

127 9.4 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 24.112 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

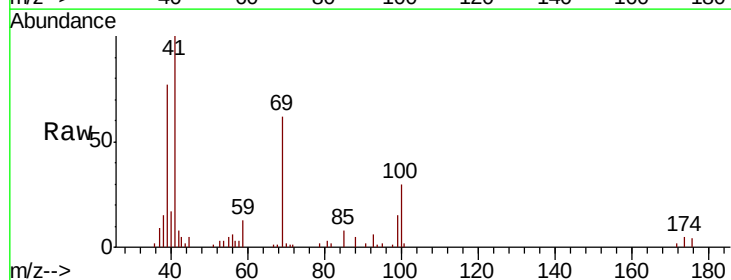
Tgt Ion: 41 Resp: 89967

Ion Ratio Lower Upper

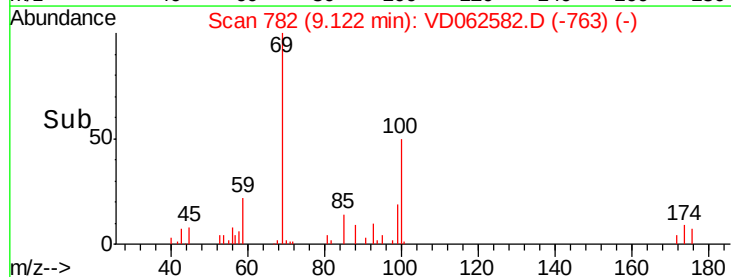
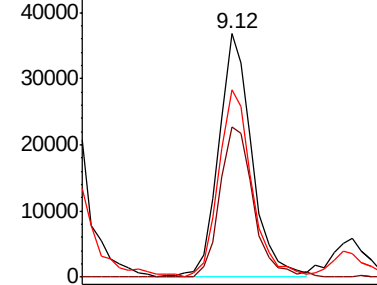
41 100

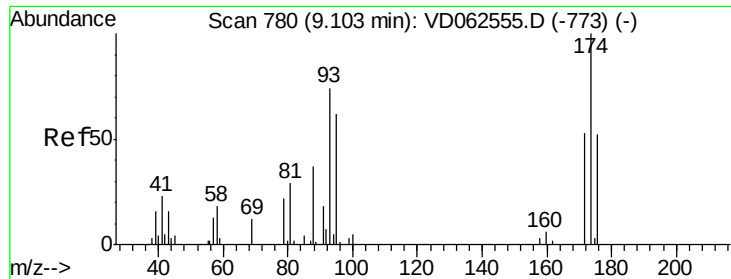
69 61.6 43.6 65.4

39 76.7 58.1 87.1



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

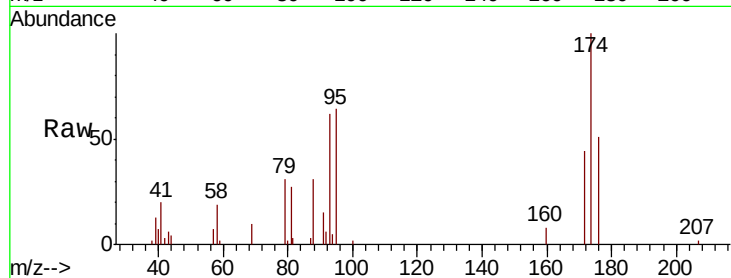




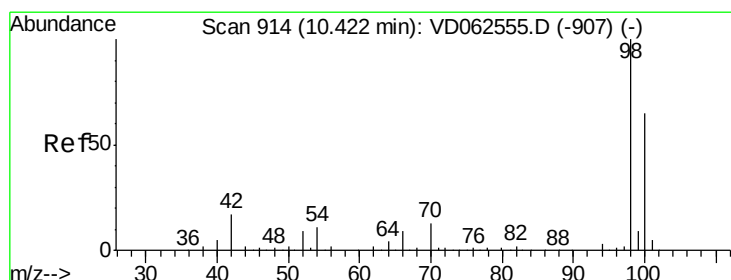
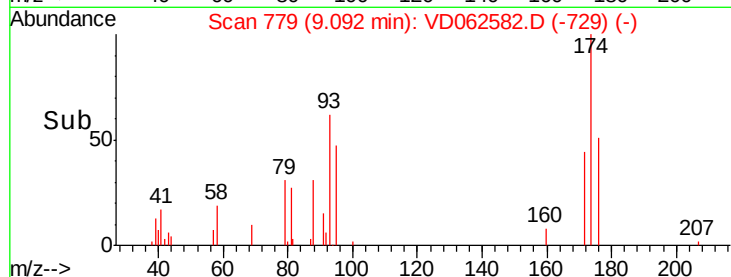
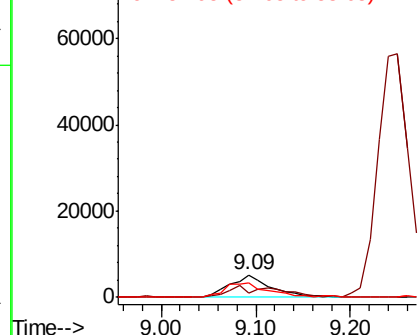
#49
1,4-Dioxane
Concen: 514.549 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15594
Ion Ratio Lower Upper
88 100
43 19.2 37.1 55.7#
58 61.2 39.3 58.9#

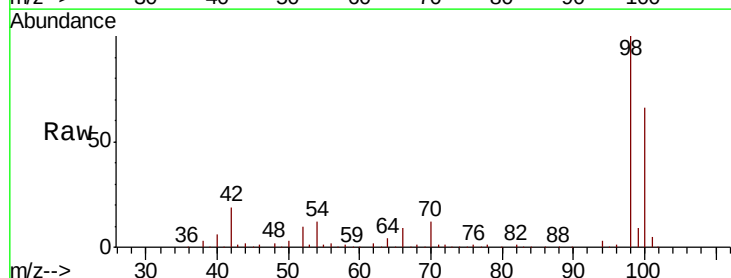


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

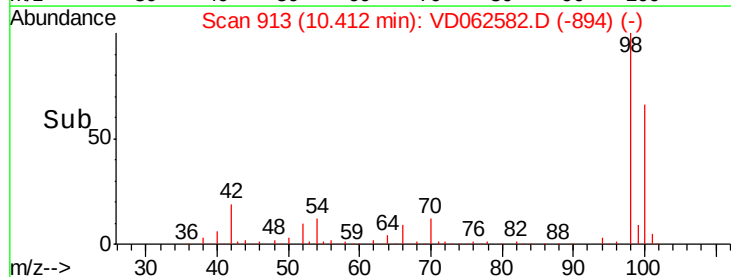
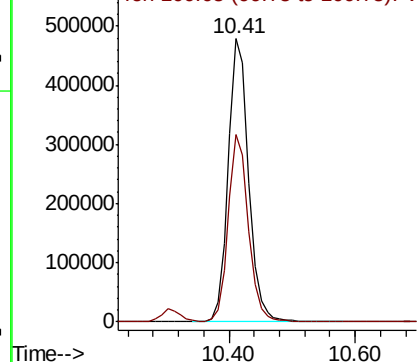


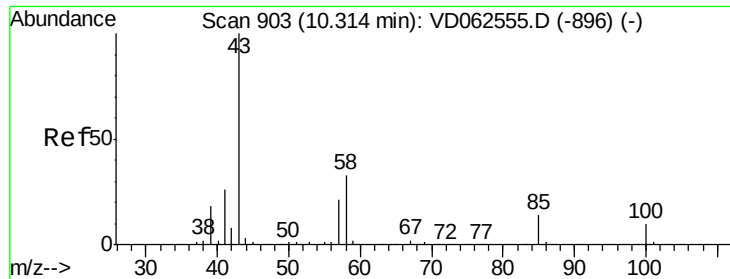
#50
Toluene-d8
Concen: 50.023 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 98 Resp: 1071155
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 115.818 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

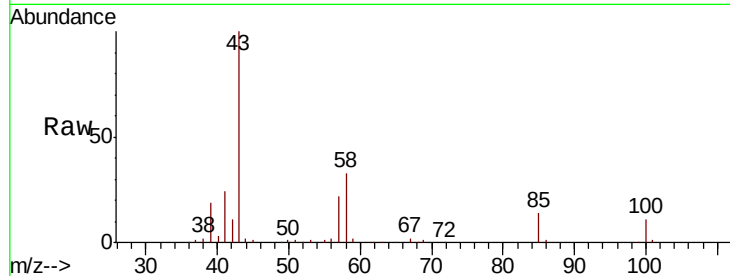
ClientSampled :

Tot Ion: 43 Resp: 452657

Ion Ratio Lower Upper

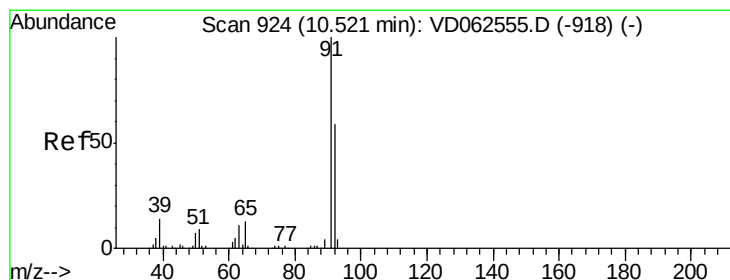
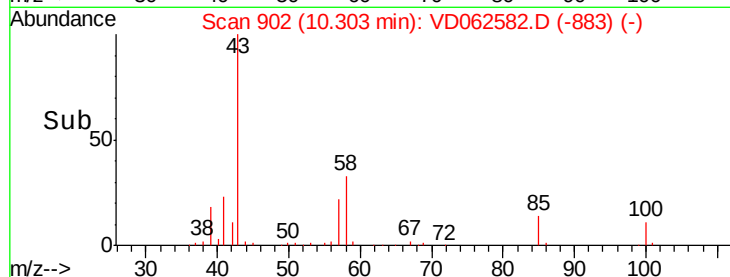
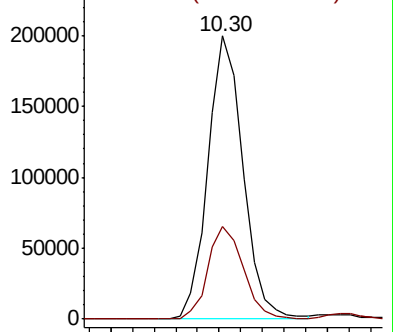
43 100

58 32.8 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.332 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062582.D

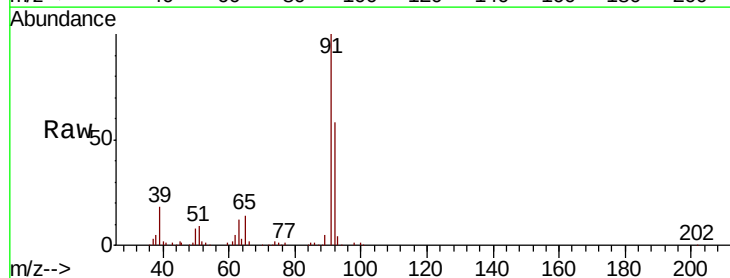
Acq: 3 Jun 2019 13:41

Tgt Ion: 92 Resp: 304862

Ion Ratio Lower Upper

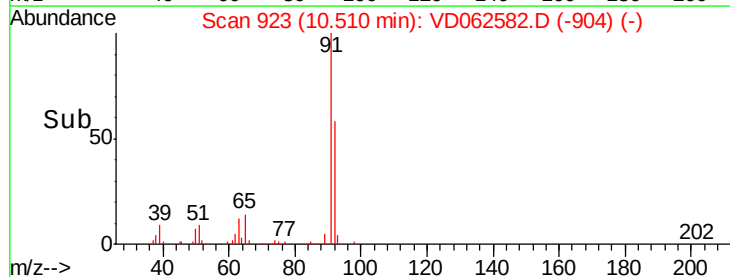
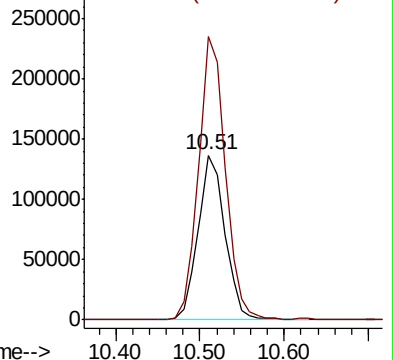
92 100

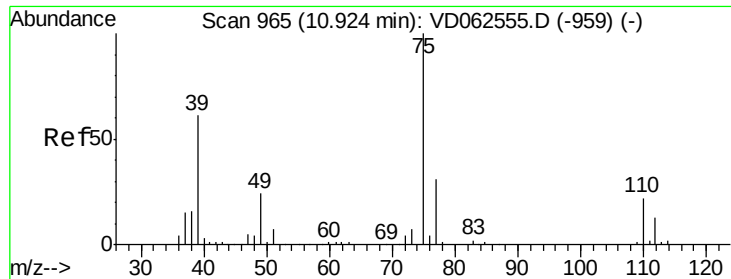
91 172.1 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

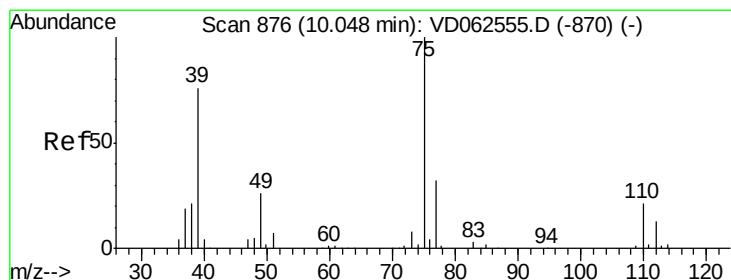
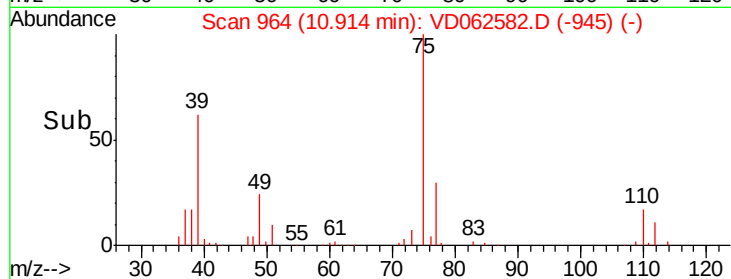
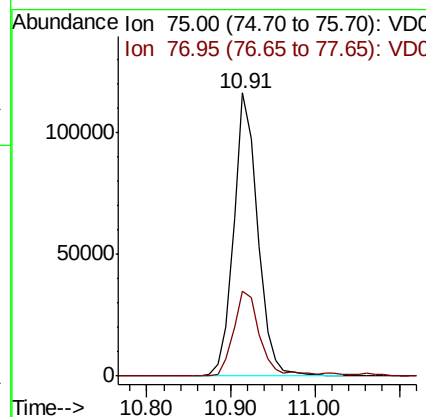
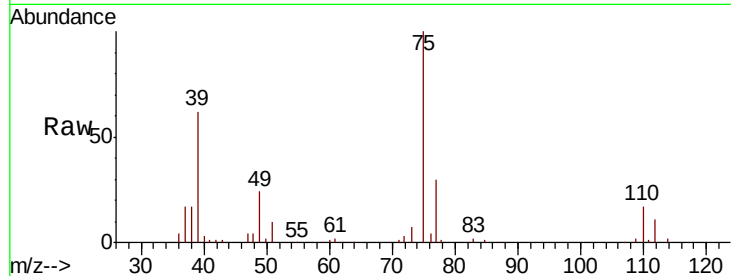




#53
t-1,3-Dichloropropene
Concen: 22.897 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

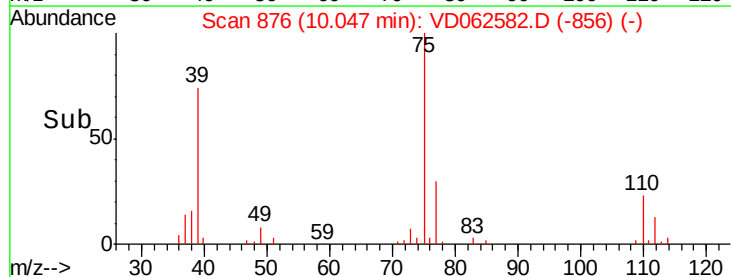
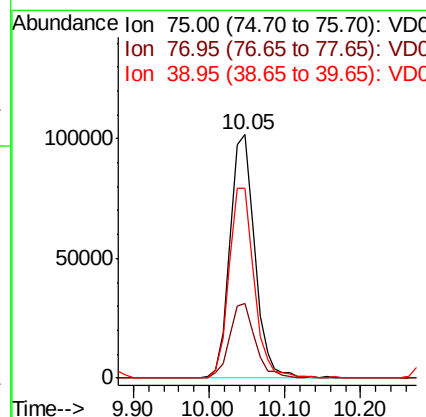
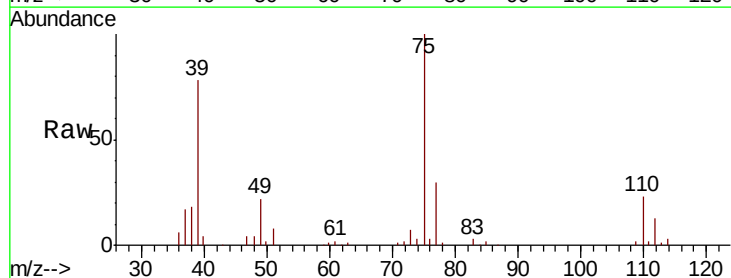
Instrument :
MSVOA_D
ClientSampleId :

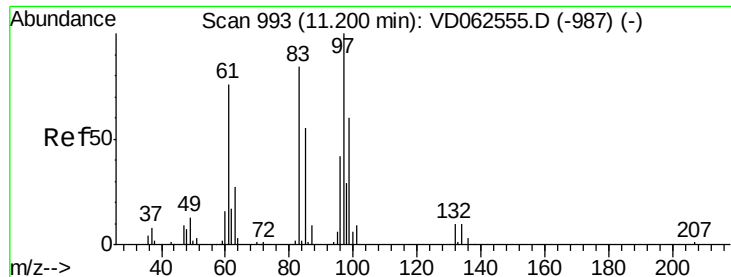
Tot Ion: 75 Resp: 230006
Ion Ratio Lower Upper
75 100
77 30.1 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 22.116 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 75 Resp: 230977
Ion Ratio Lower Upper
75 100
77 30.5 25.7 38.5
39 77.9 61.0 91.6

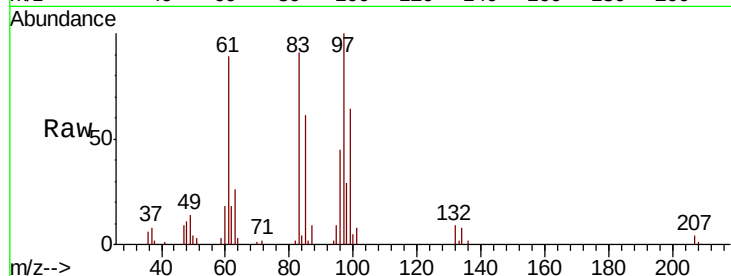




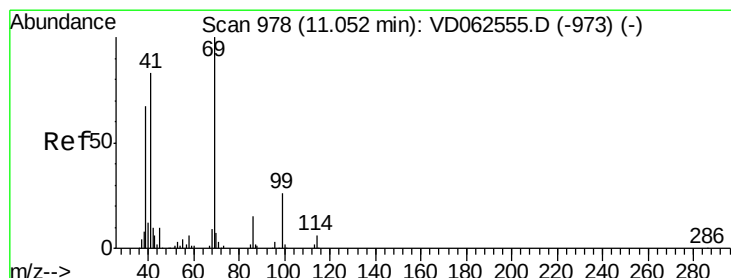
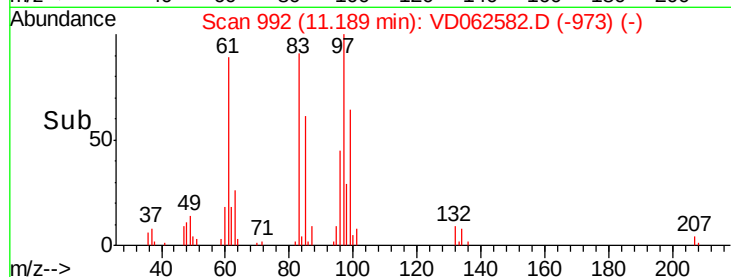
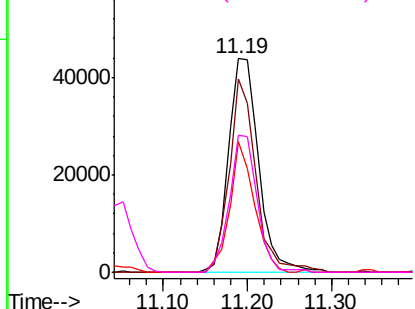
#55
 1,1,2-Trichloroethane
 Concen: 23.247 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	109086
Ion	Ratio	Lower	Upper
97	100		
83	90.7	67.3	100.9
85	61.0	43.8	65.8
99	63.9	48.2	72.2

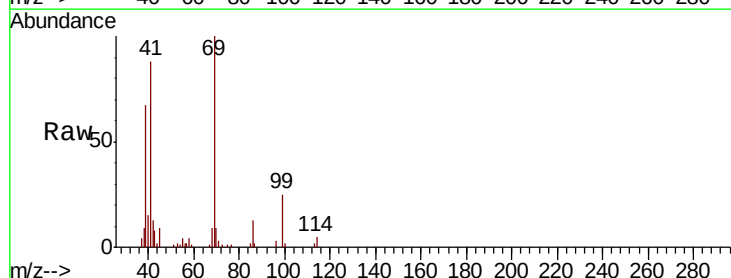


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

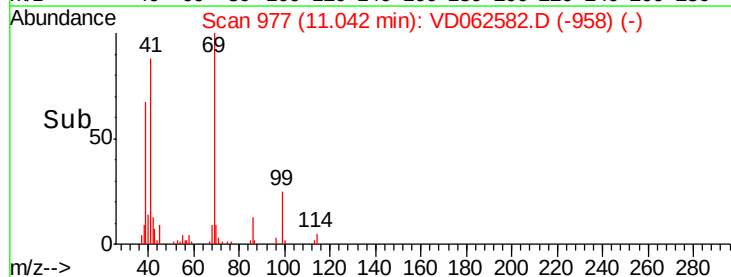
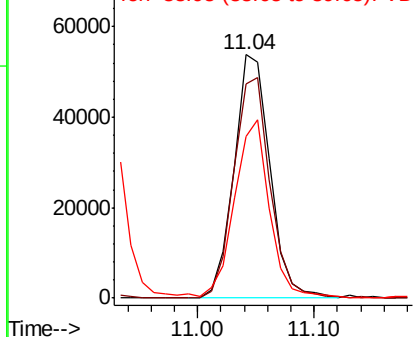


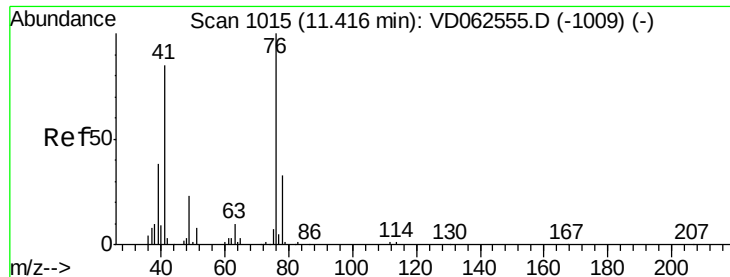
#56
 Ethyl methacrylate
 Concen: 22.957 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion:	69	Resp:	114818
Ion	Ratio	Lower	Upper
69	100		
41	88.0	66.1	99.1
39	66.6	54.2	81.2



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: 24.739 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

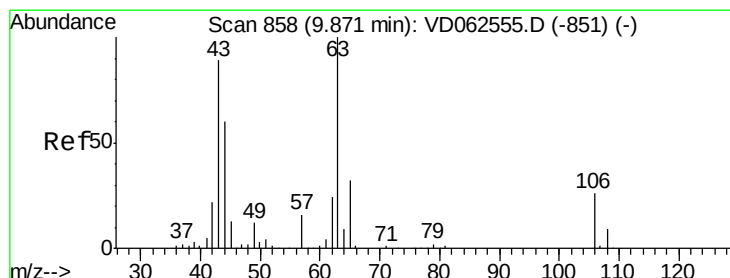
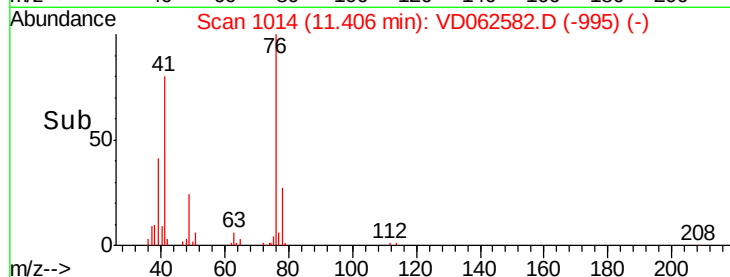
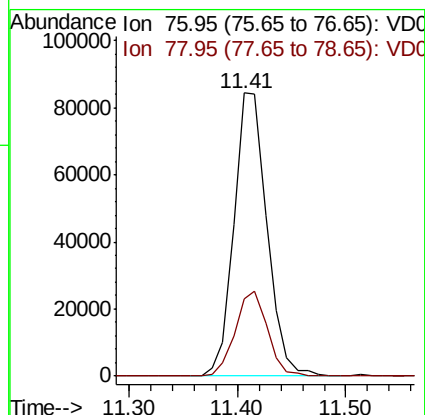
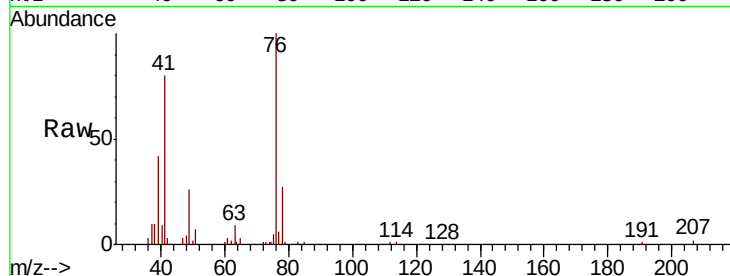
ClientSampleId :

Tot Ion: 76 Resp: 178957

Ion Ratio Lower Upper

76 100

78 27.5 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 119.176 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062582.D

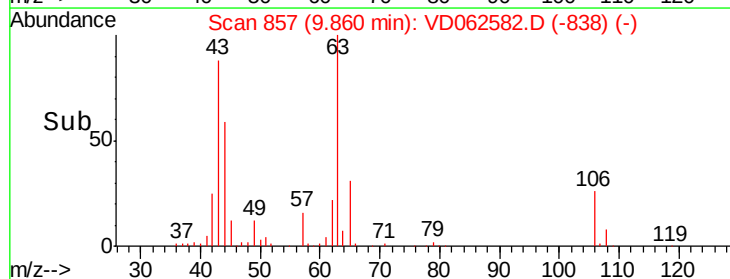
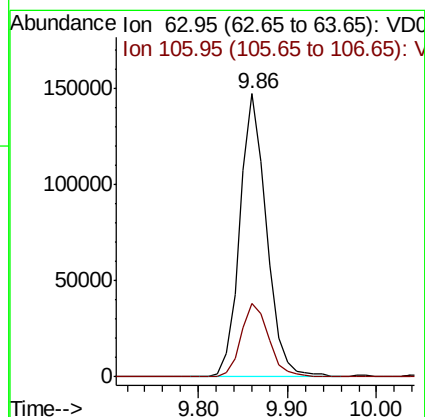
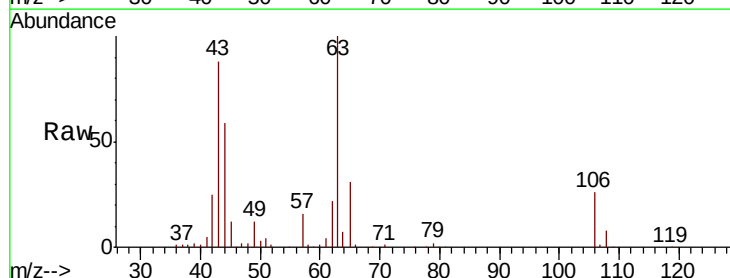
Acq: 3 Jun 2019 13:41

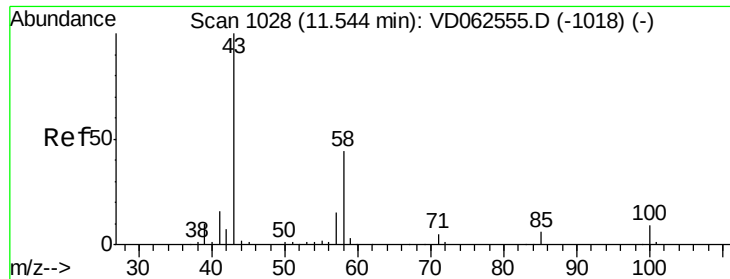
Tgt Ion: 63 Resp: 305703

Ion Ratio Lower Upper

63 100

106 26.1 21.0 31.4

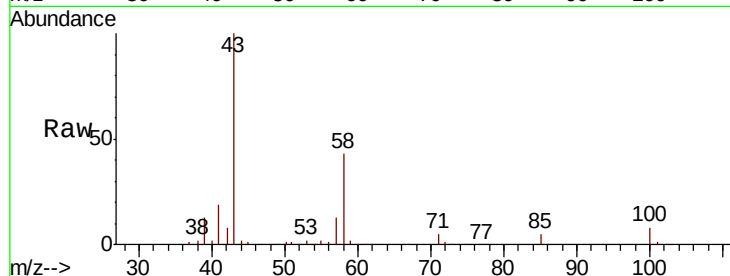




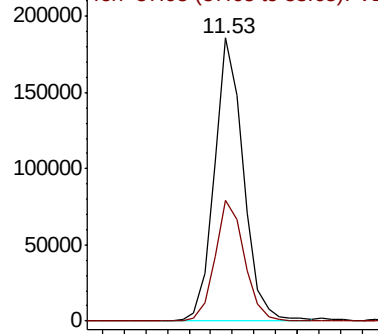
#59
2-Hexanone
Concen: 125.542 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

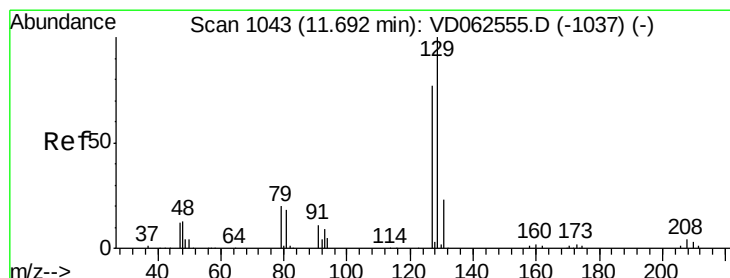
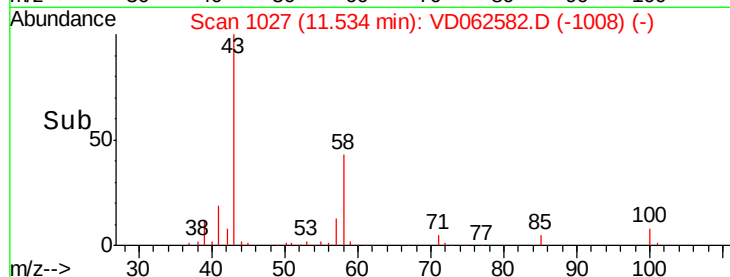
Tot Ion: 43 Resp: 344162
Ion Ratio Lower Upper
43 100
58 42.5 22.0 66.0



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

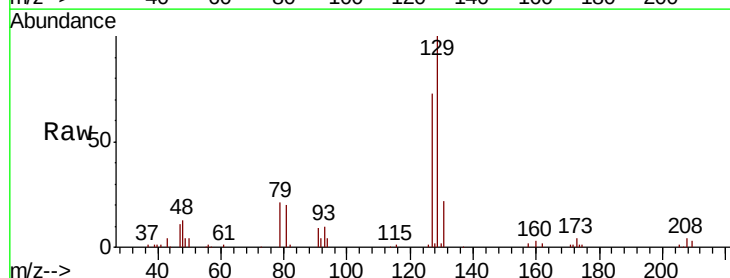


Time-->

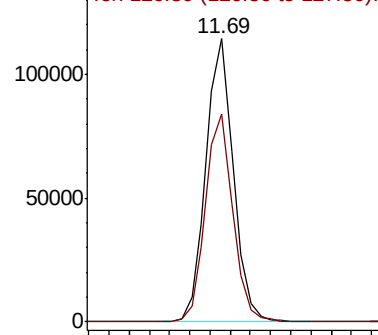


#60
Dibromochloromethane
Concen: 23.693 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

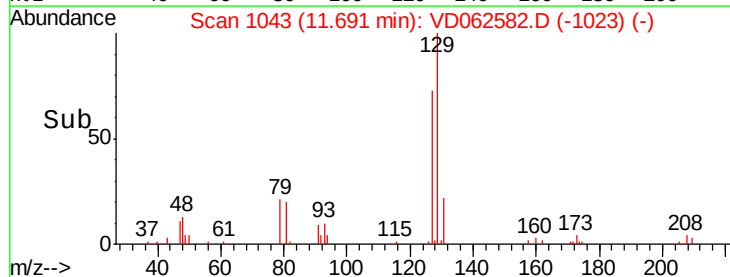
Tgt Ion:129 Resp: 216062
Ion Ratio Lower Upper
129 100
127 73.4 38.6 115.8

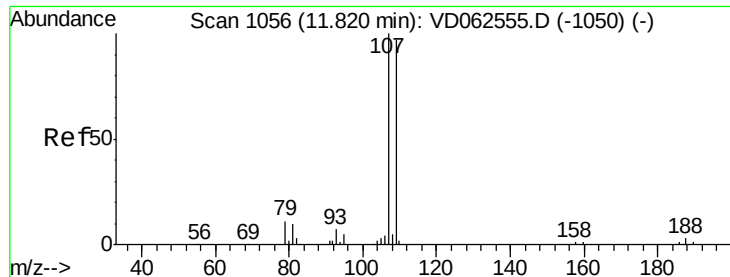


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->





#61

1,2-Dibromoethane

Concen: 22.630 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

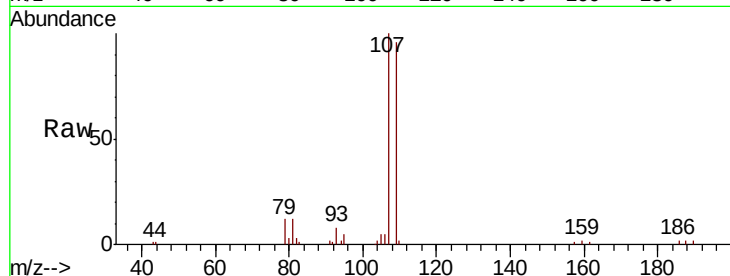
ClientSampleId :

Tot Ion:107 Resp: 127743

Ion Ratio Lower Upper

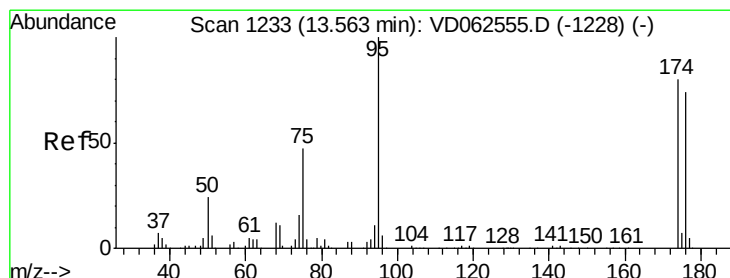
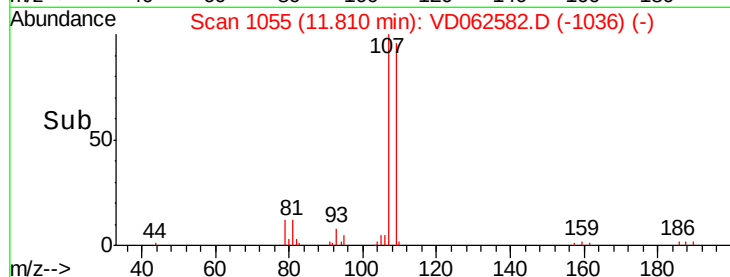
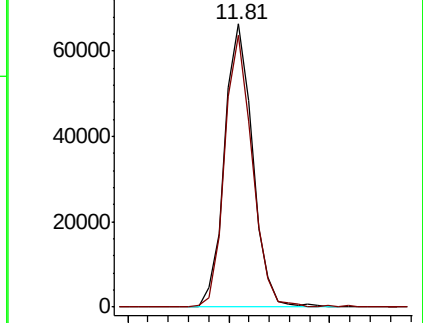
107 100

109 96.1 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.633 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

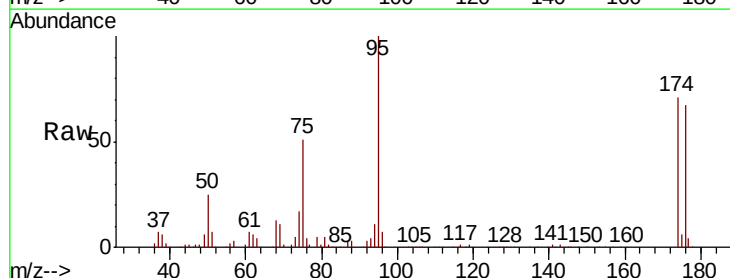
Tgt Ion: 95 Resp: 488959

Ion Ratio Lower Upper

95 100

174 70.6 0.0 160.2

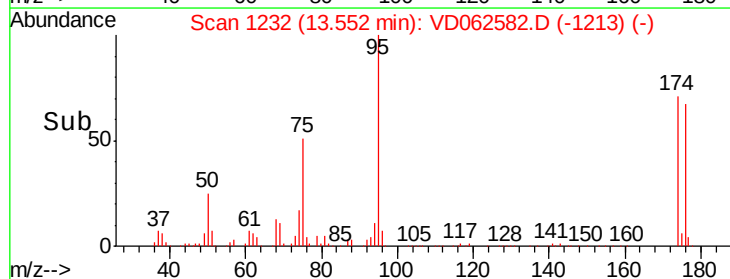
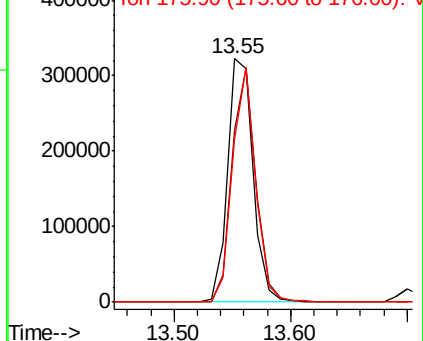
176 67.0 0.0 148.0

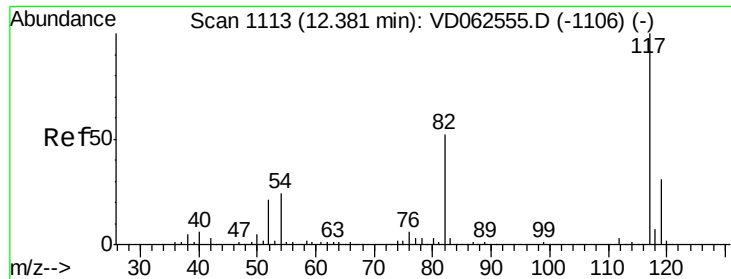


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

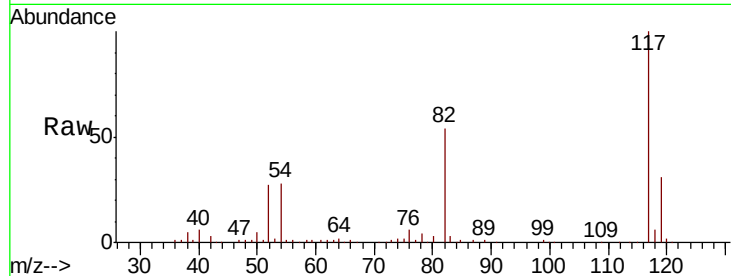




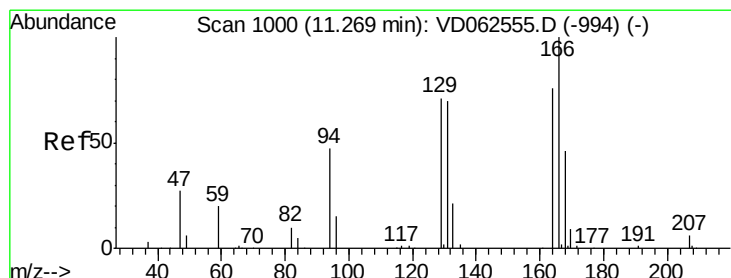
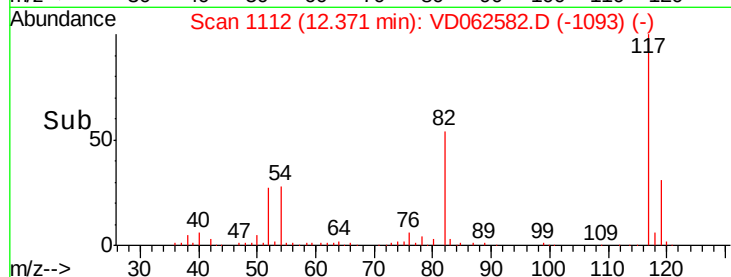
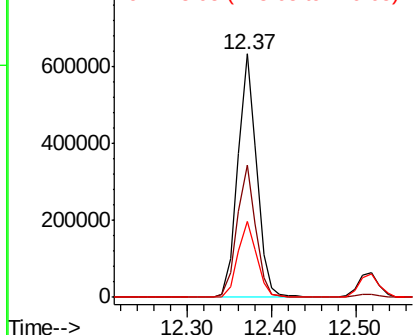
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 983053
Ion Ratio Lower Upper
117 100
82 54.4 41.4 62.2
119 31.2 24.9 37.3

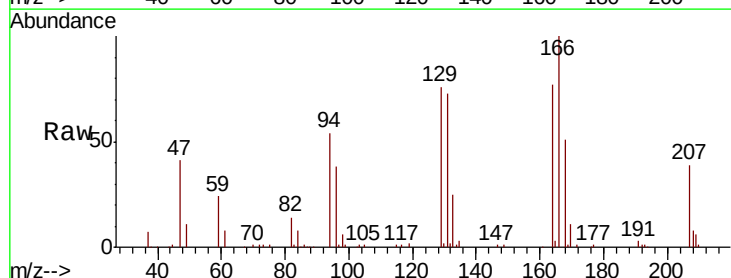


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

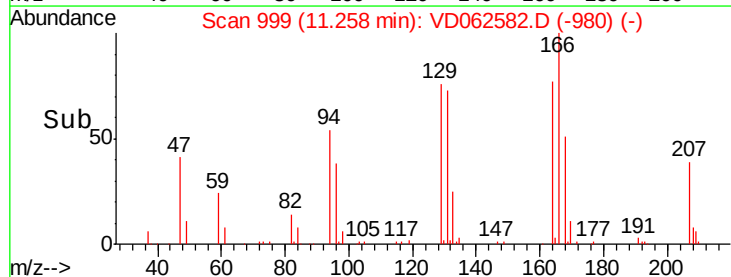
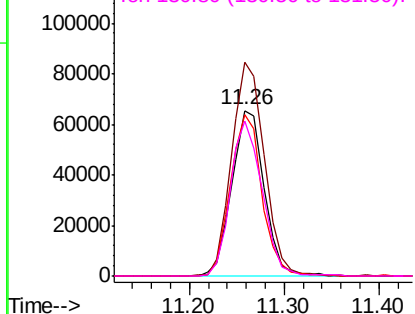


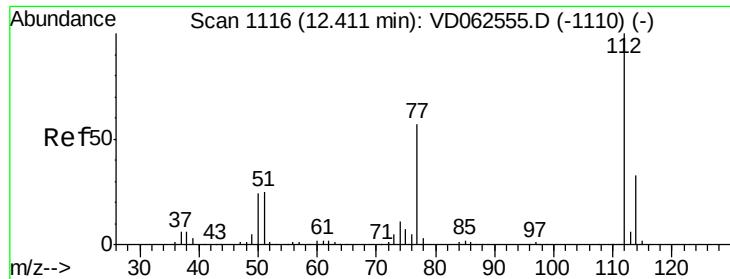
#64
Tetrachloroethene
Concen: 17.801 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion:164 Resp: 154695
Ion Ratio Lower Upper
164 100
166 129.1 105.3 157.9
129 97.9 75.3 112.9
131 94.0 73.3 109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

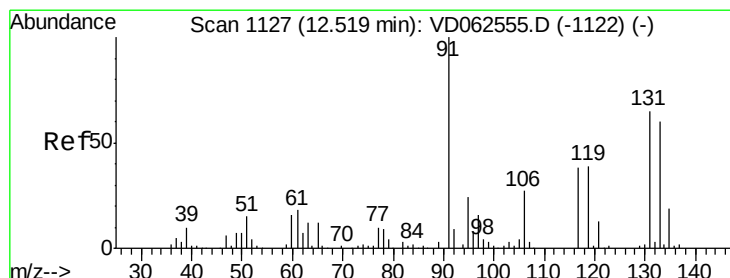
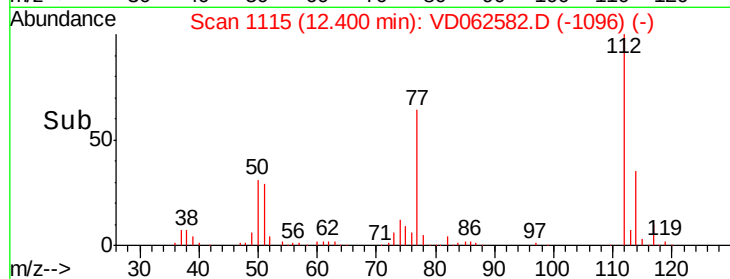
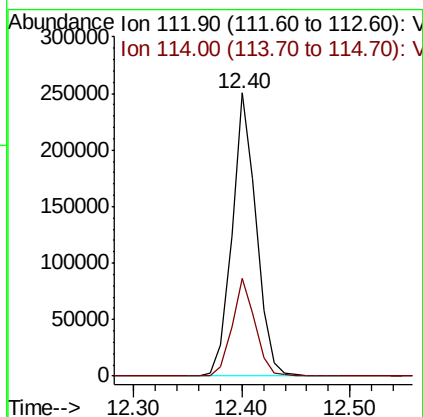
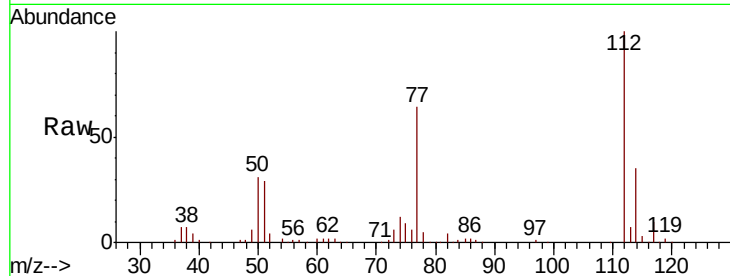




#65
Chlorobenzene
Concen: 20.209 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

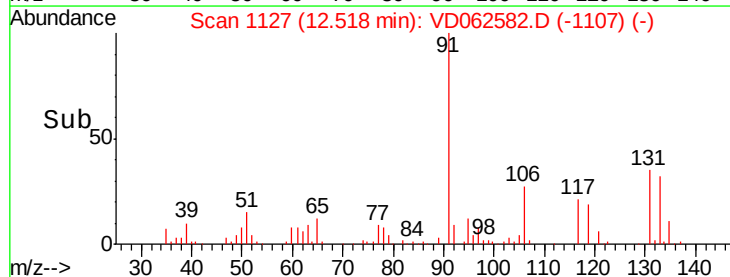
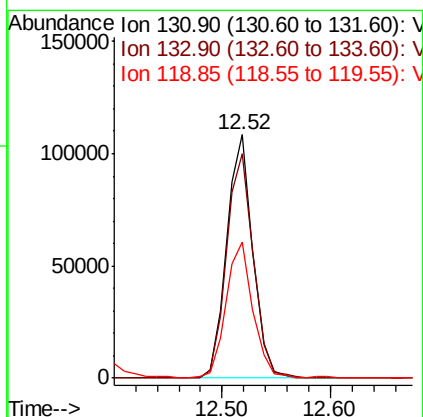
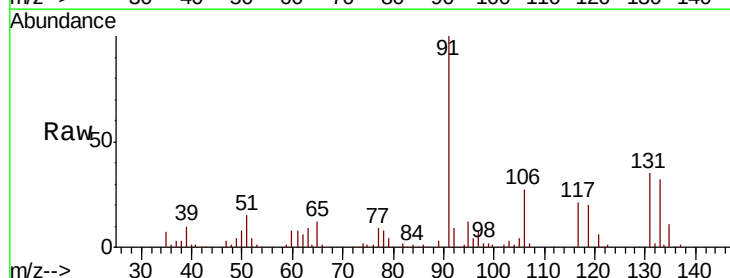
Instrument :
MSVOA_D
ClientSampled :

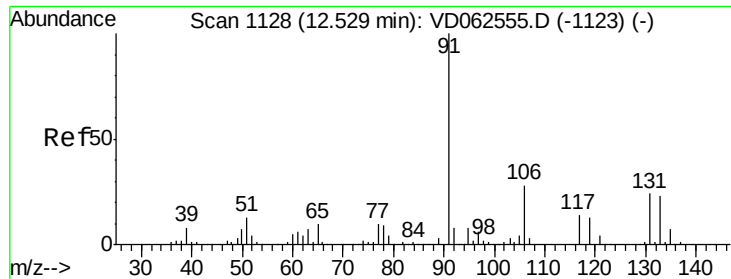
Tot Ion:112 Resp: 387025
Ion Ratio Lower Upper
112 100
114 34.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.982 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion:131 Resp: 180977
Ion Ratio Lower Upper
131 100
133 92.4 46.2 138.6
119 56.1 29.5 88.6

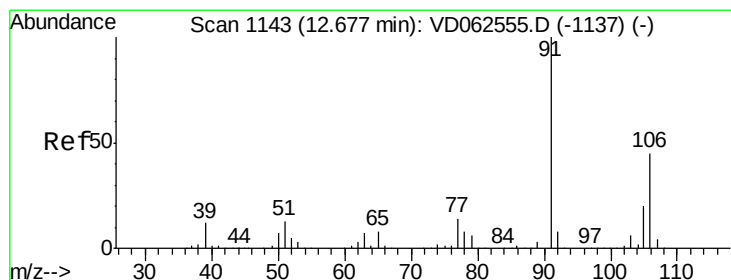
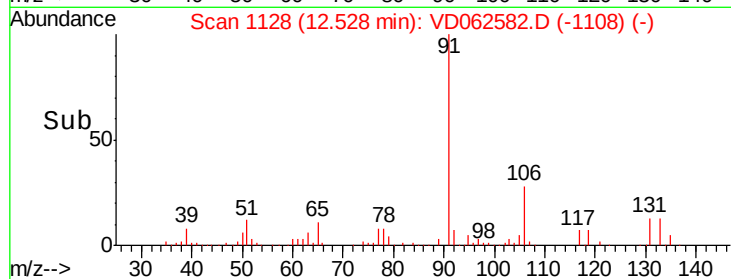
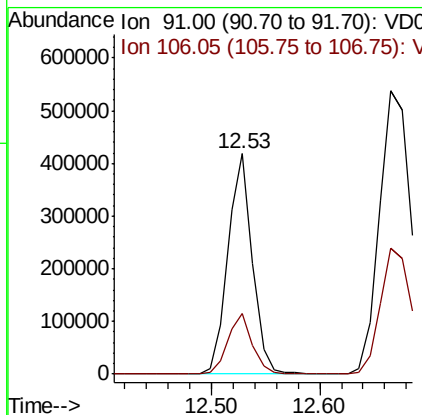
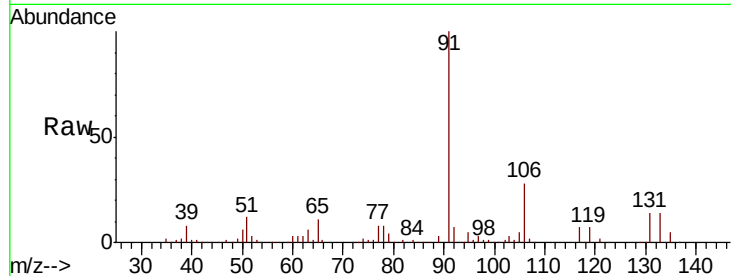




#67
Ethyl Benzene
Concen: 18.730 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

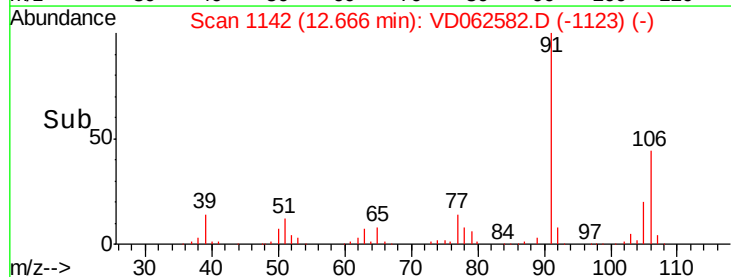
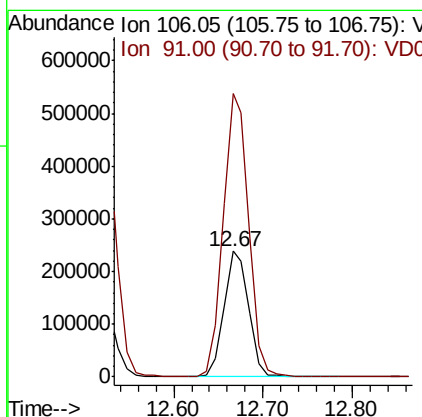
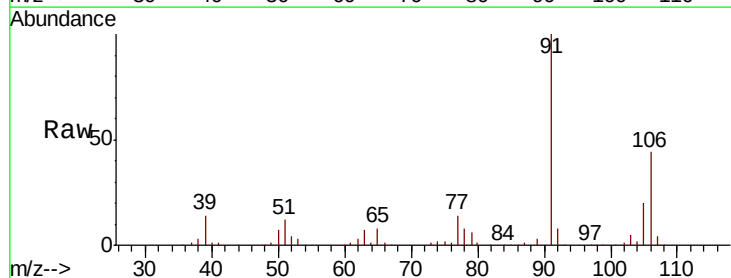
Instrument :
MSVOA_D
ClientSampled :

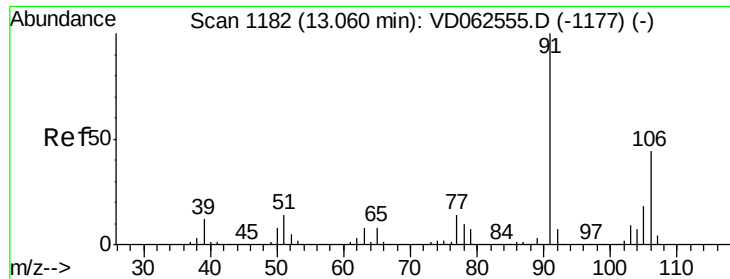
Tot Ion: 91 Resp: 657199
Ion Ratio Lower Upper
91 100
106 27.6 22.2 33.2



#68
m/p-Xylenes
Concen: 38.284 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 106 Resp: 464690
Ion Ratio Lower Upper
106 100
91 225.2 178.9 268.3

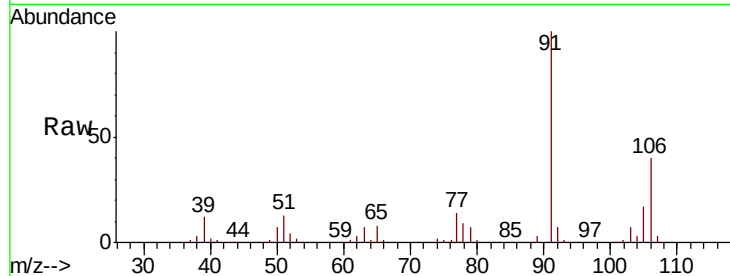




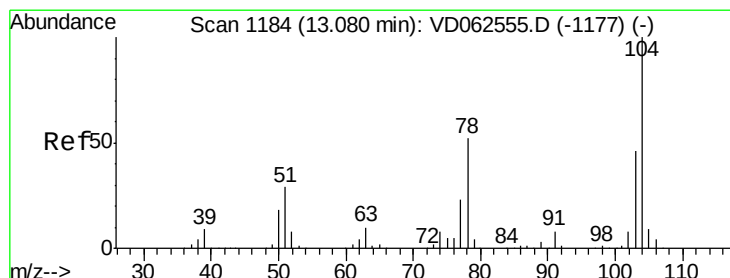
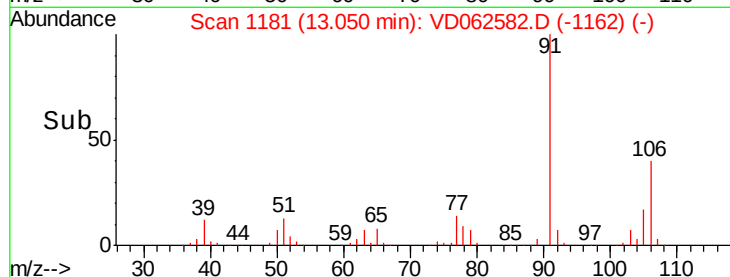
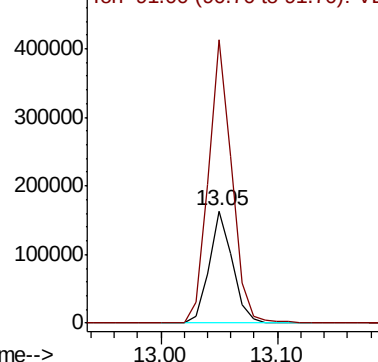
#69
o-Xylene
Concen: 19.508 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 225884
Ion Ratio Lower Upper
106 100
91 252.2 113.9 341.8

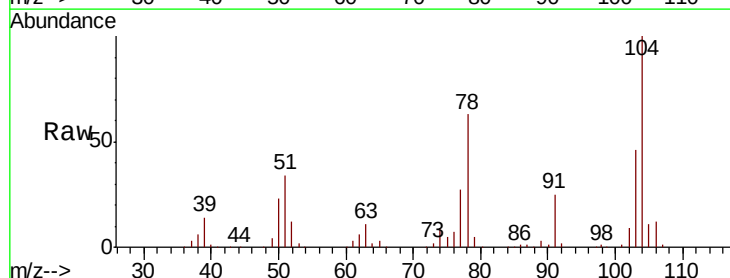


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

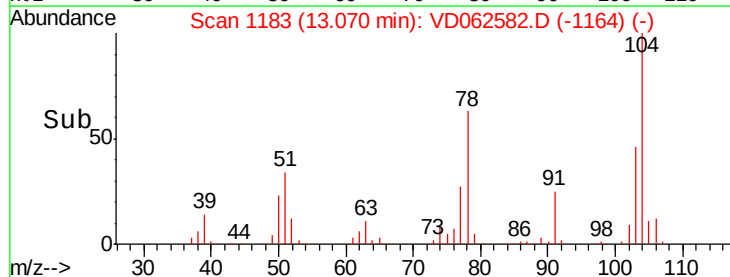
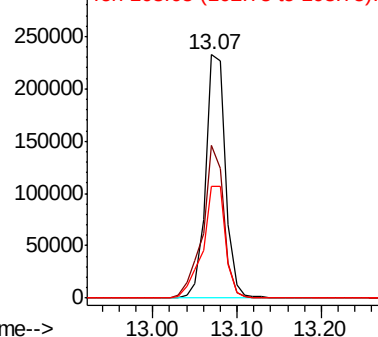


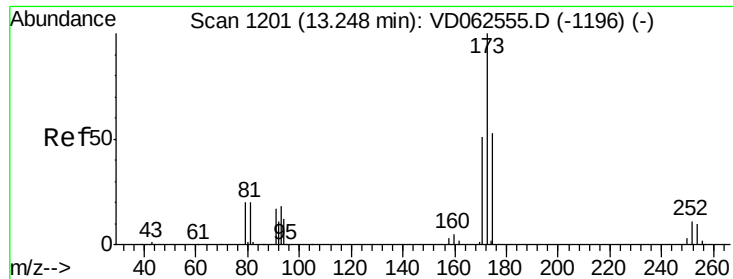
#70
Styrene
Concen: 19.260 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion:104 Resp: 378649
Ion Ratio Lower Upper
104 100
78 62.9 41.5 62.3#
103 46.1 36.6 55.0



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





#71

Bromoform

Concen: 19.907 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampled :

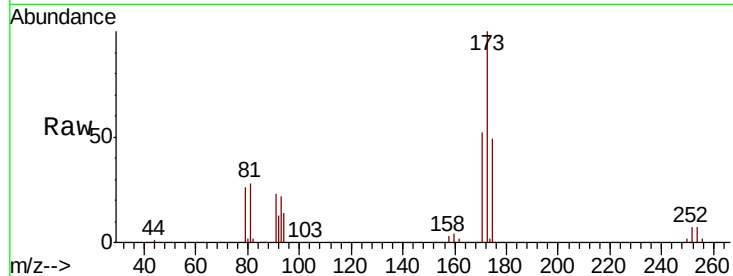
Tot Ion:173 Resp: 126566

Ion Ratio Lower Upper

173 100

175 48.7 26.6 79.7

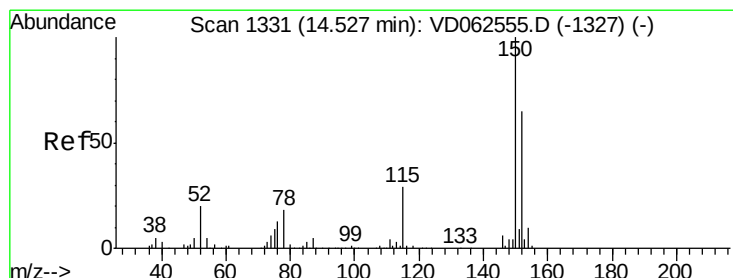
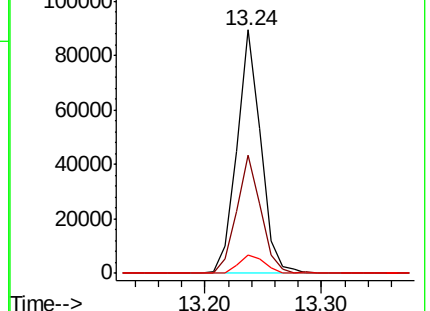
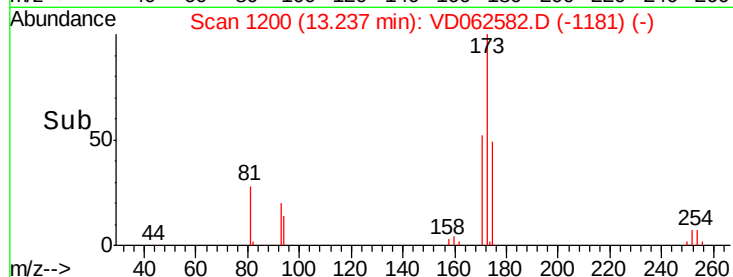
254 7.3 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

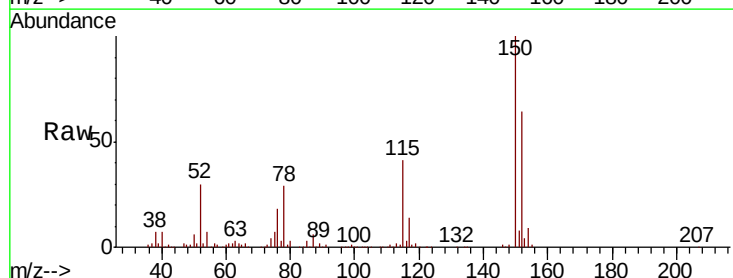
Tgt Ion:152 Resp: 504090

Ion Ratio Lower Upper

152 100

115 63.4 28.4 85.3

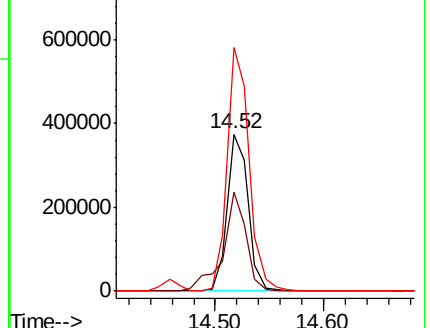
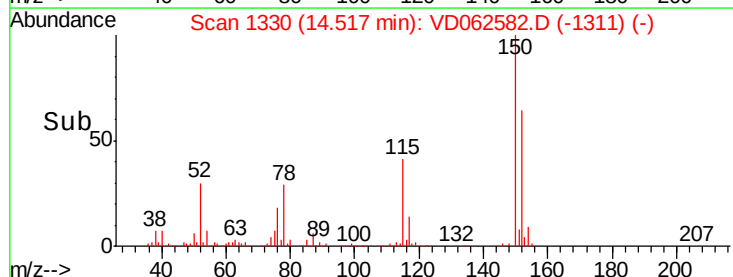
150 155.2 0.0 310.4

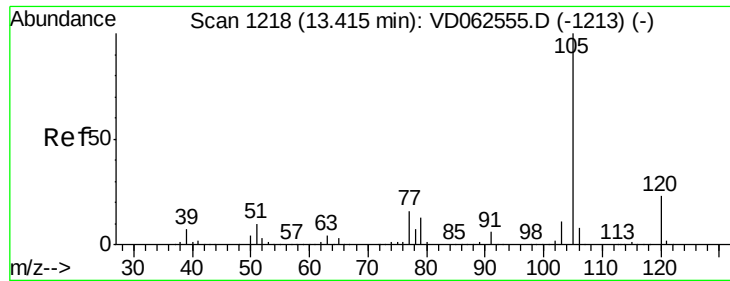


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.174 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

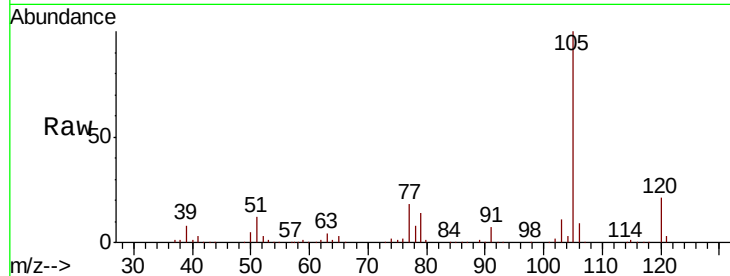
ClientSampled :

Tot Ion:105 Resp: 703669

Ion Ratio Lower Upper

105 100

120 21.2 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

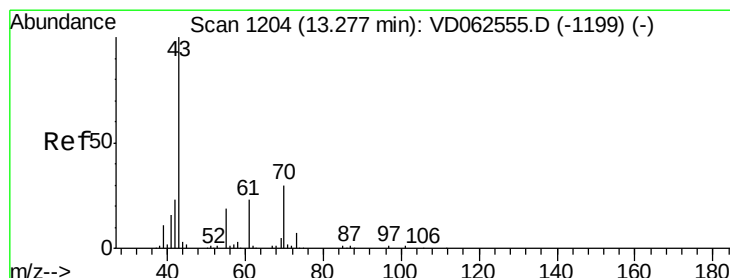
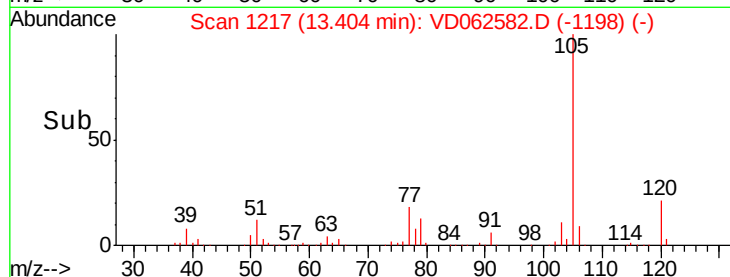
200000

100000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 22.225 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Tgt Ion: 43 Resp: 188326

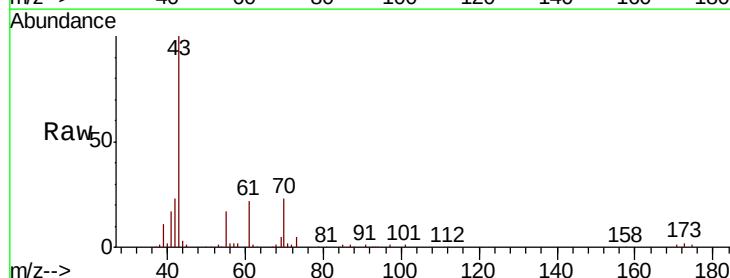
Ion Ratio Lower Upper

43 100

70 23.3 23.7 35.5#

55 17.0 15.0 22.4

61 22.1 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

150000

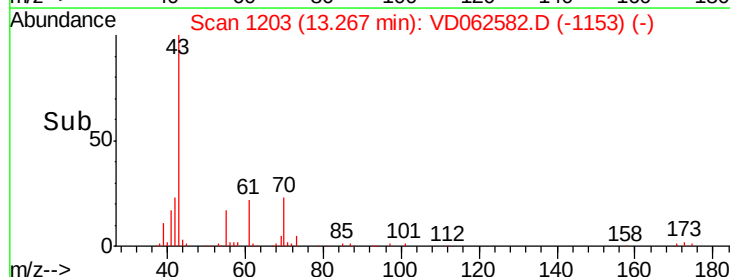
100000

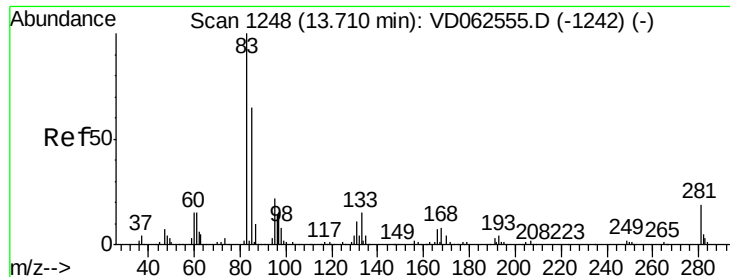
50000

0

13.20 13.25 13.30 13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.004 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

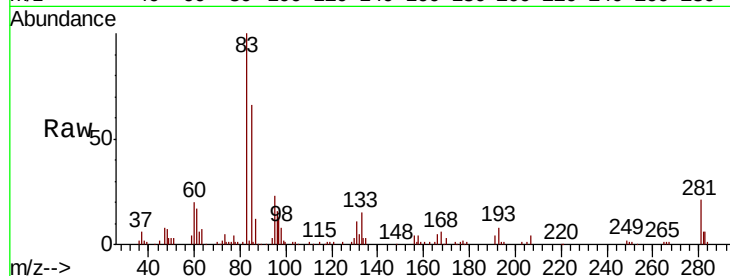
Tot Ion: 83 Resp: 115975

Ion Ratio Lower Upper

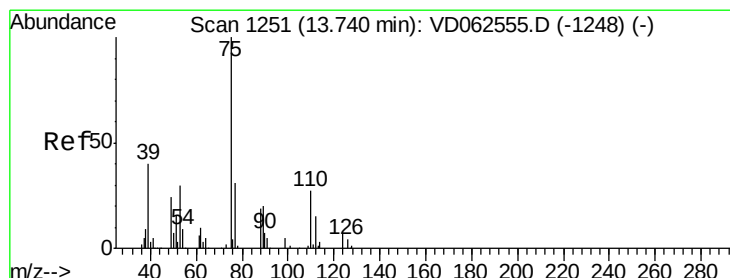
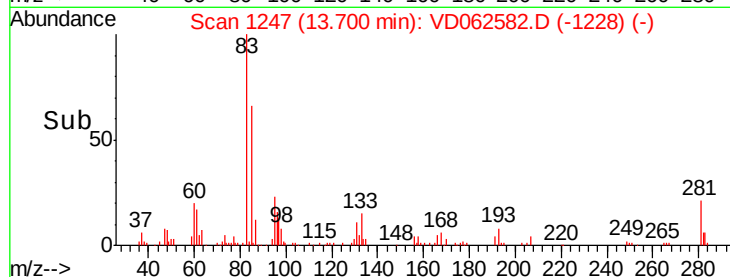
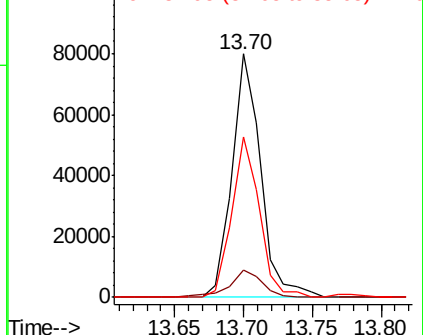
83 100

131 11.2 5.7 17.1

85 65.9 32.6 97.8



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: 21.199 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062582.D

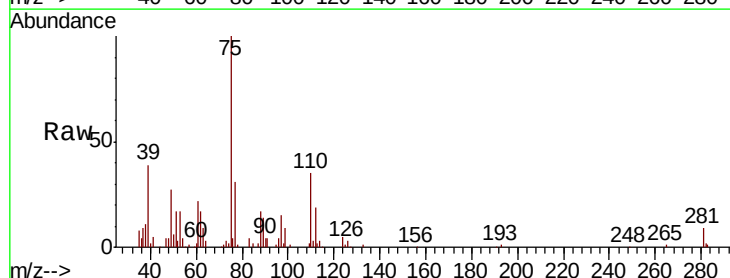
Acq: 3 Jun 2019 13:41

Tgt Ion: 75 Resp: 128204

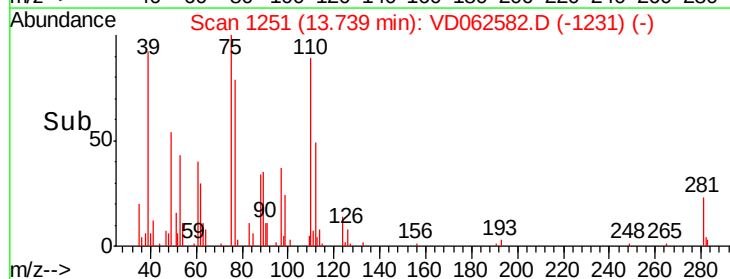
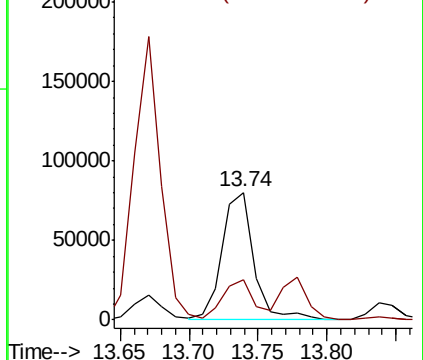
Ion Ratio Lower Upper

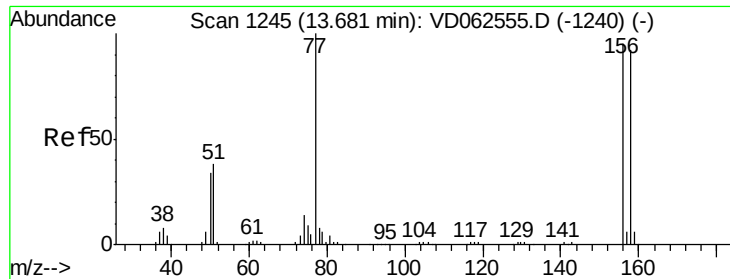
75 100

77 31.0 16.5 49.5



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

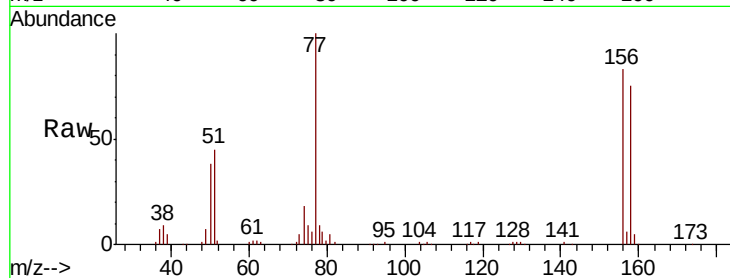




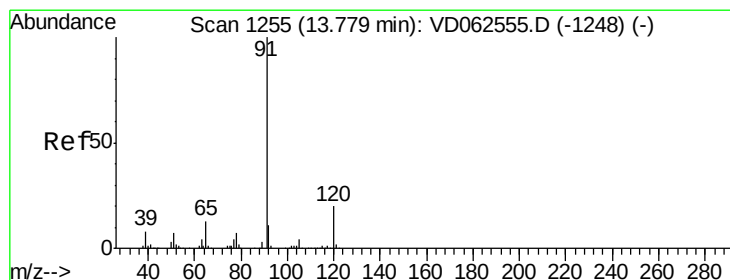
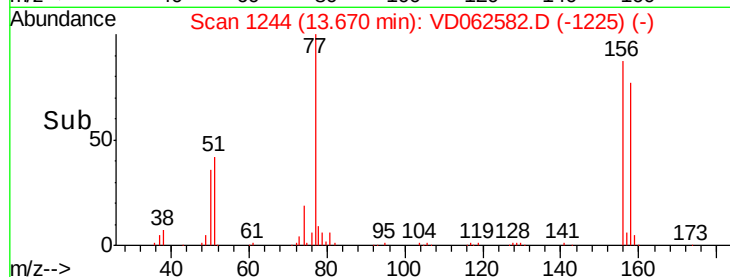
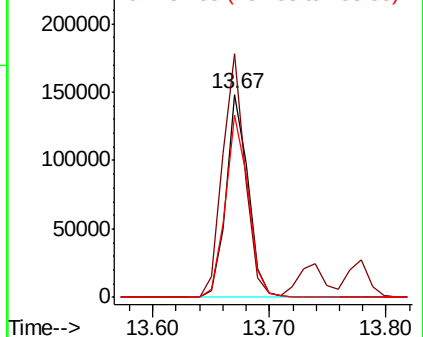
#77
Bromobenzene
Concen: 21.282 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 193916
Ion Ratio Lower Upper
156 100
77 119.8 52.9 158.7
158 89.4 48.5 145.5

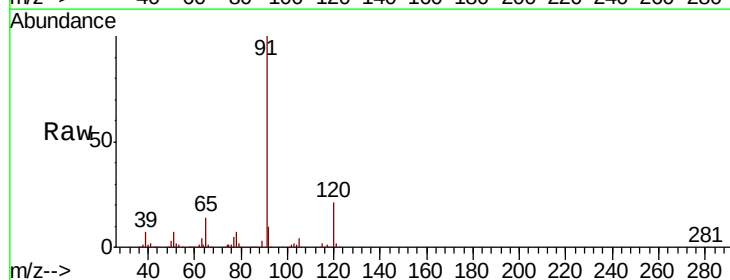


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

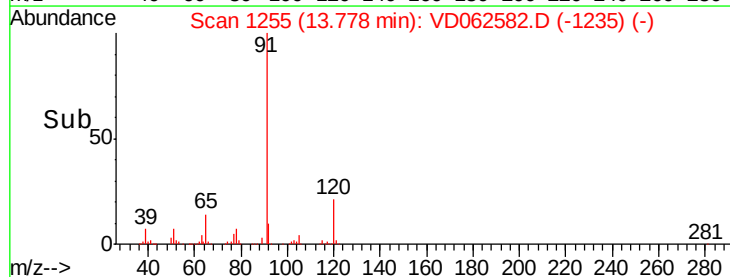
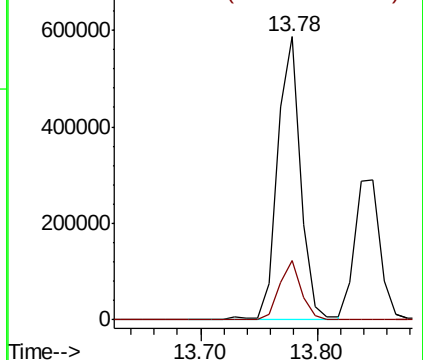


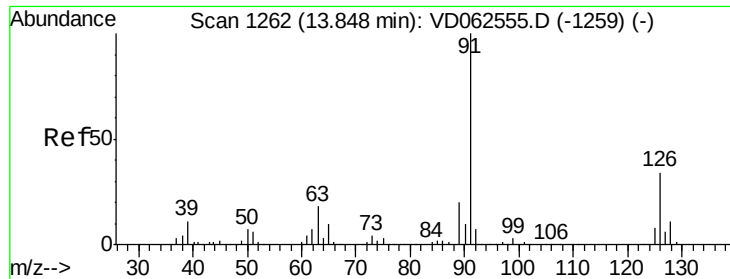
#78
n-propylbenzene
Concen: 20.948 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 91 Resp: 802404
Ion Ratio Lower Upper
91 100
120 21.1 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

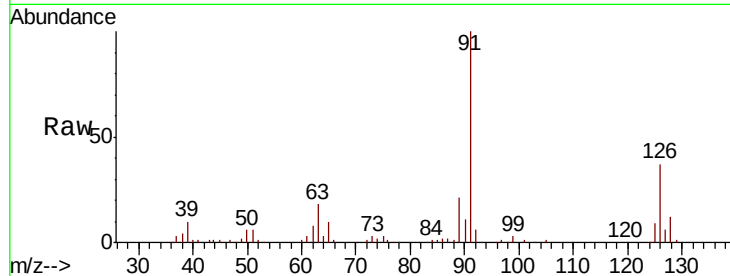




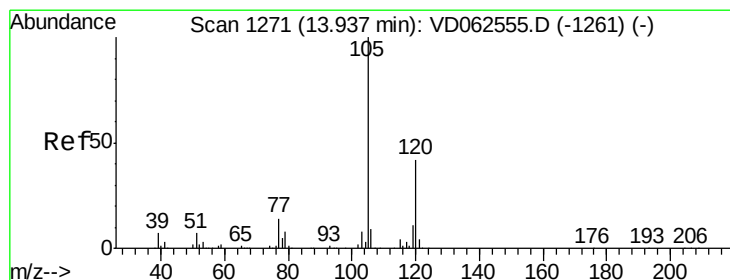
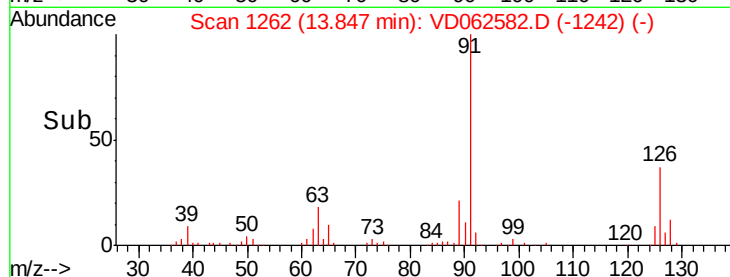
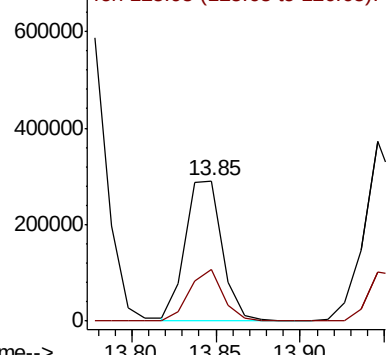
#79
 2-Chlorotoluene
 Concen: 19.974 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 443632
 Ion Ratio Lower Upper
 91 100
 126 37.1 16.7 50.1

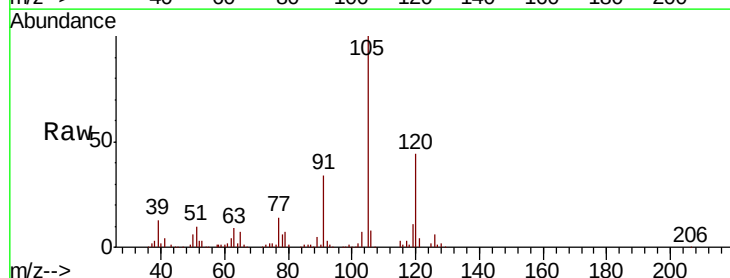


Abundance Ion 91.00 (90.70 to 91.70): VD062555.D (-1259) (-)
 Ion 125.95 (125.65 to 126.65): VD062555.D (-1259) (-)

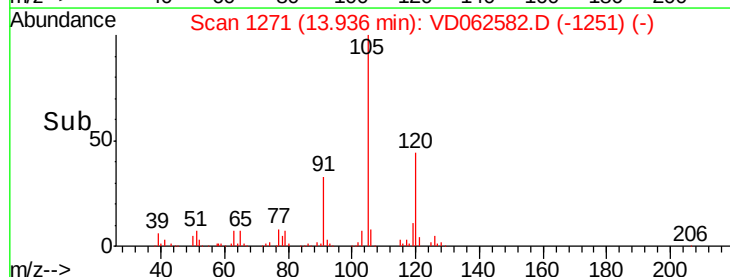
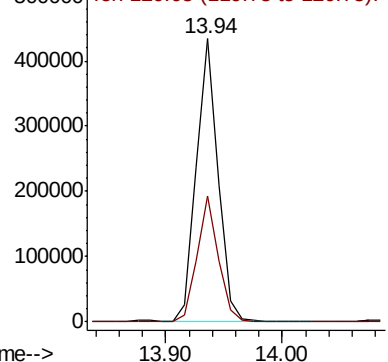


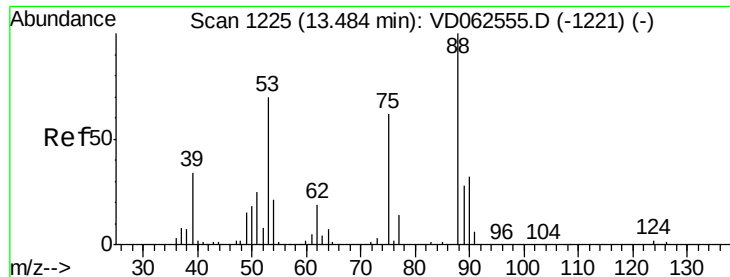
#80
 1,3,5-Trimethylbenzene
 Concen: 19.776 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion: 105 Resp: 561576
 Ion Ratio Lower Upper
 105 100
 120 44.3 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): VD062555.D (-1261) (-)
 Ion 120.05 (119.75 to 120.75): VD062555.D (-1261) (-)

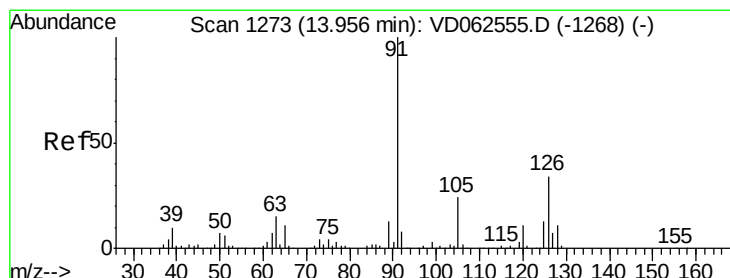
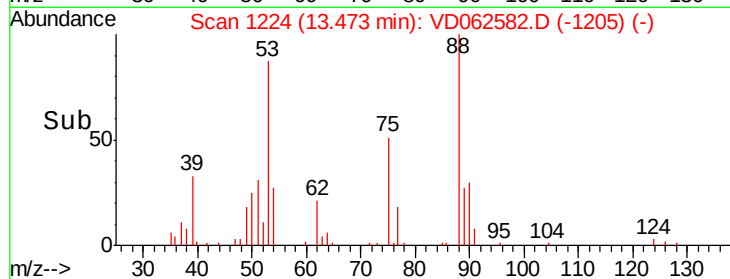
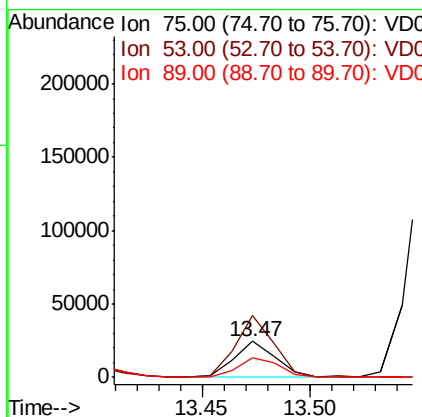
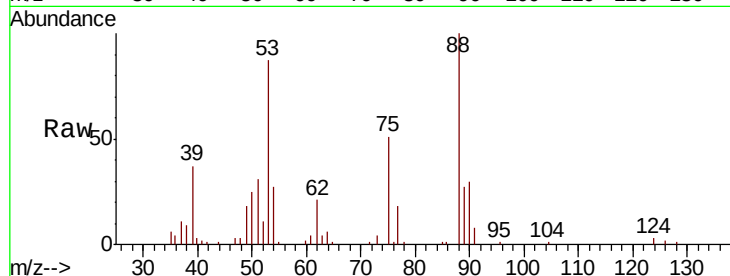




#81
trans-1,4-Dichloro-2-butene
Concen: 19.016 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

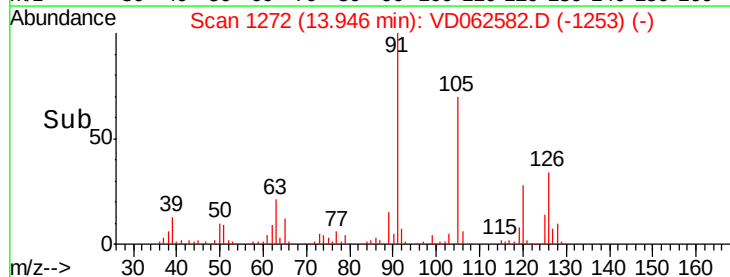
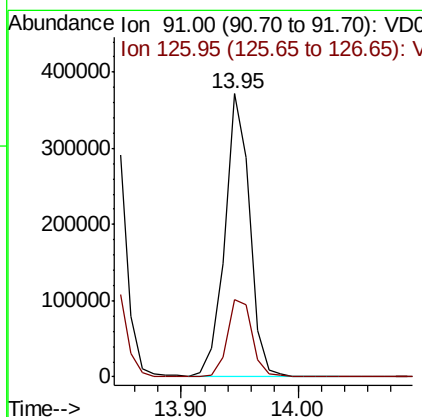
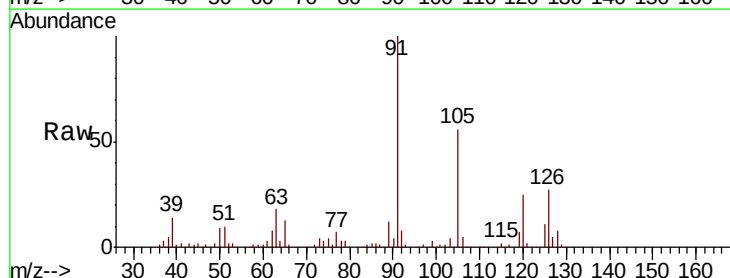
Instrument :
MSVOA_D
ClientSampleId :

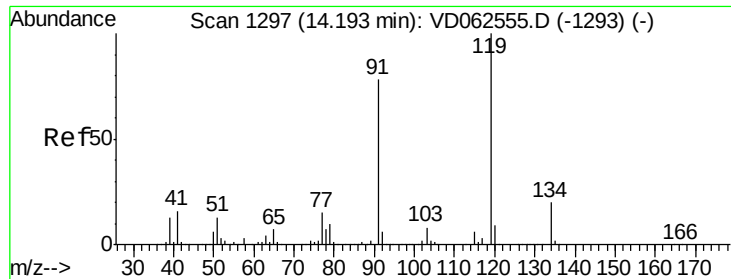
Tot Ion: 75 Resp: 32953
Ion Ratio Lower Upper
75 100
53 171.5 91.0 136.4#
89 54.1 36.9 55.3



#82
4-Chlorotoluene
Concen: 20.436 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion: 91 Resp: 543394
Ion Ratio Lower Upper
91 100
126 27.1 16.9 50.7

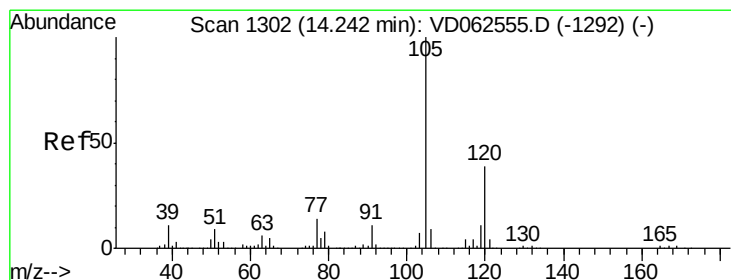
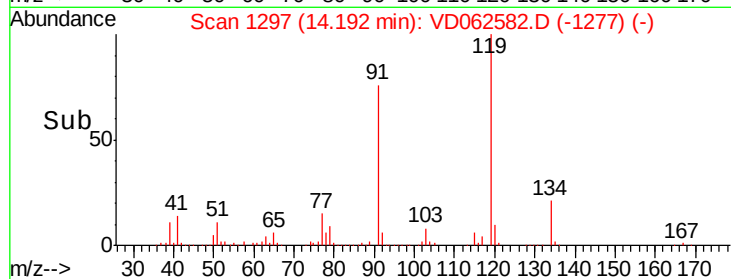
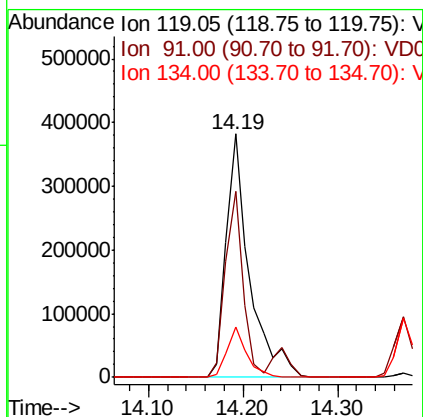
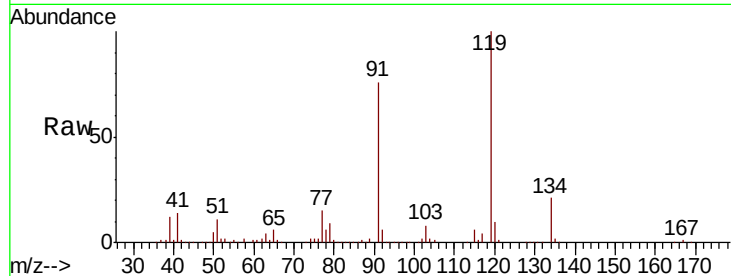




#83
 tert-Butylbenzene
 Concen: 20.542 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

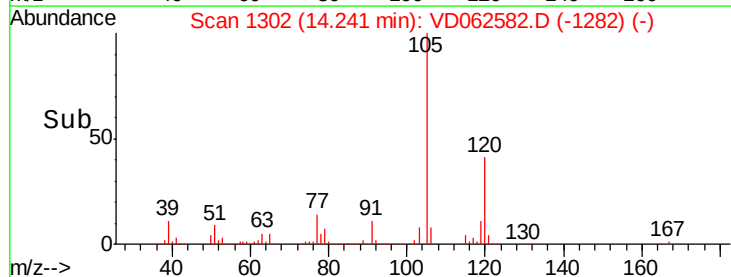
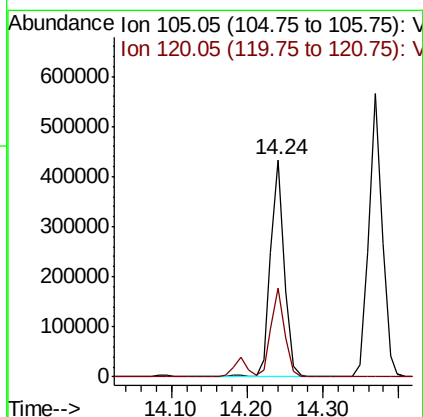
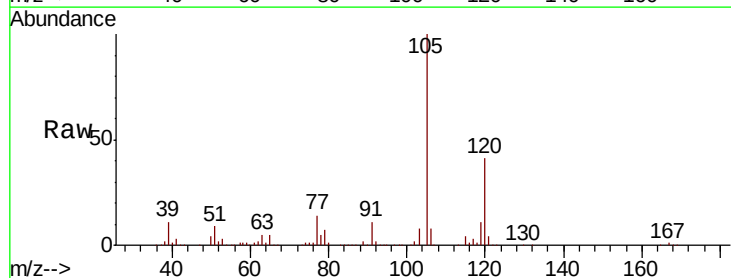
Instrument :
 MSVOA_D
 ClientSampleId :

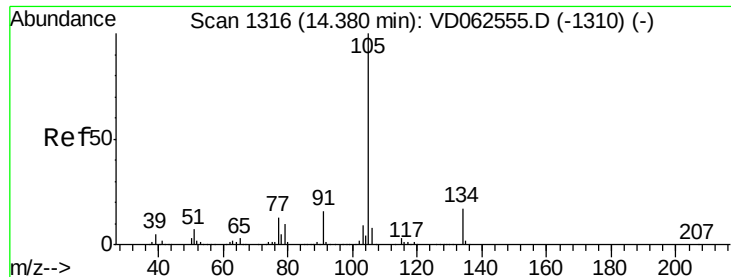
Tot Ion:119 Resp: 650906
 Ion Ratio Lower Upper
 119 100
 91 76.2 39.1 117.5
 134 20.9 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 18.917 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion:105 Resp: 547384
 Ion Ratio Lower Upper
 105 100
 120 40.8 19.6 58.8

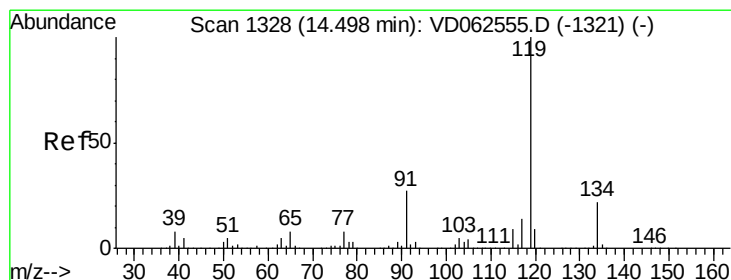
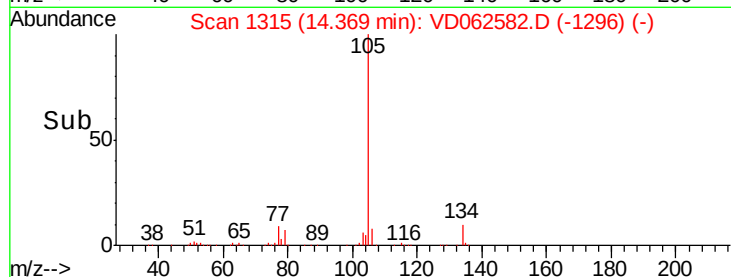
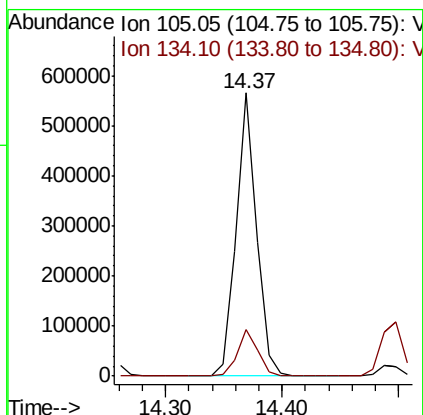
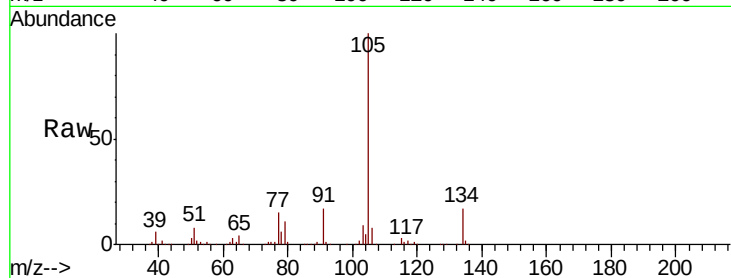




#85
 sec-Butylbenzene
 Concen: 20.441 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

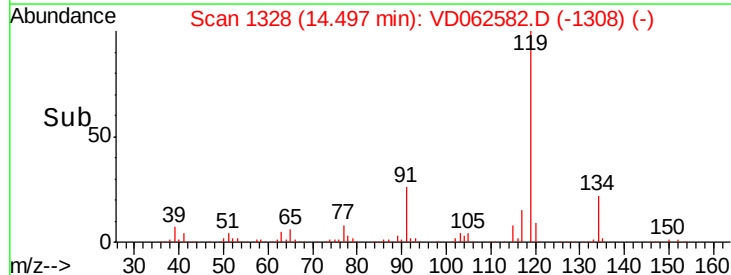
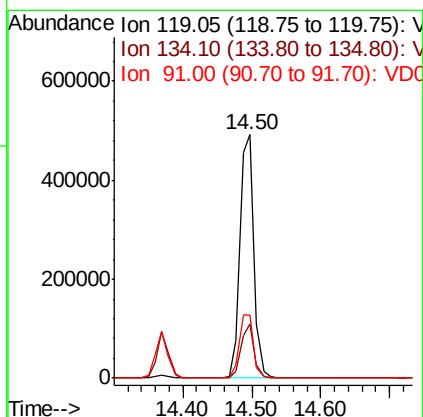
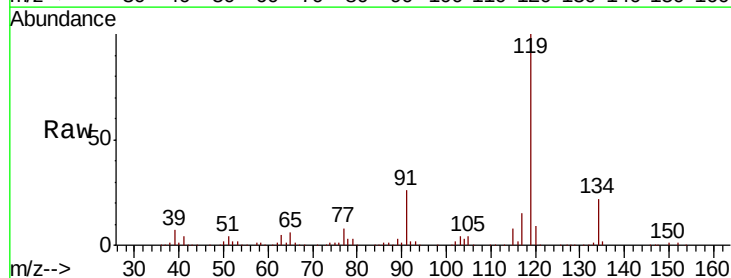
Instrument :
 MSVOA_D
 ClientSampleId :

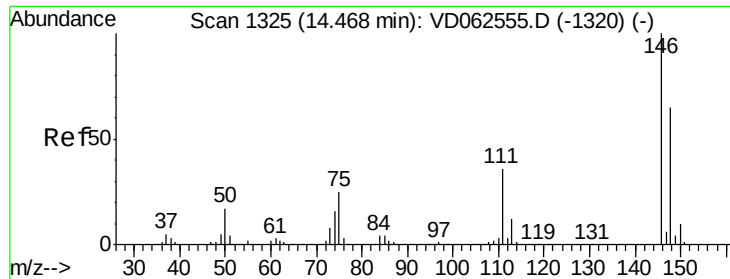
Tot Ion:105 Resp: 686147
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 21.840 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion:119 Resp: 684918
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.2 33.6
 91 26.2 13.6 40.7

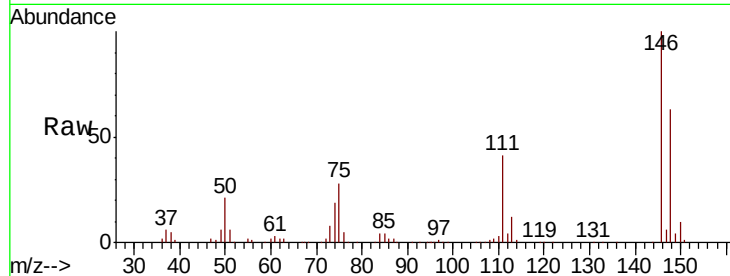




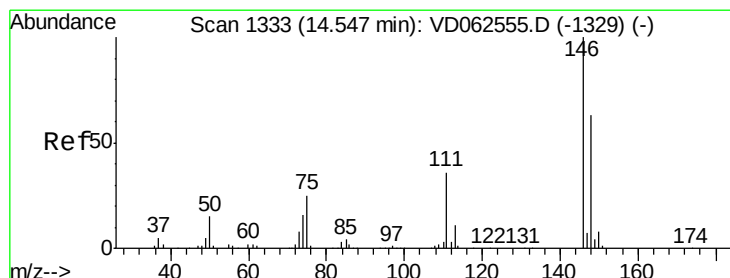
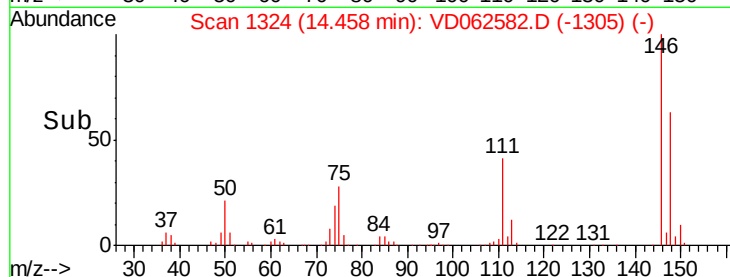
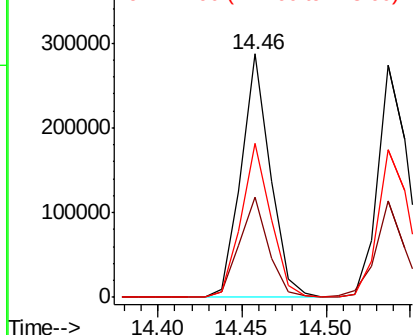
#87
 1,3-Dichlorobenzene
 Concen: 21.959 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 346843
 Ion Ratio Lower Upper
 146 100
 111 41.0 18.1 54.4
 148 63.4 32.3 96.9

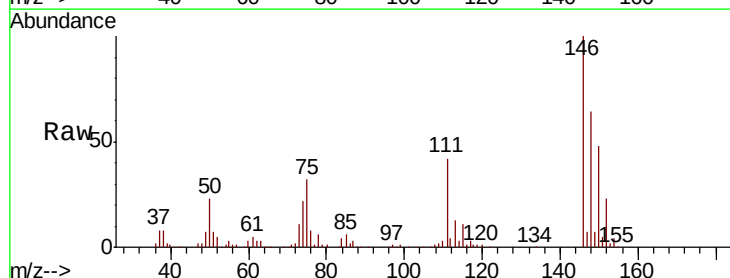


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

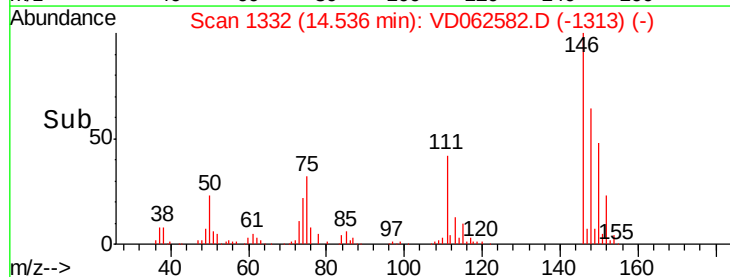
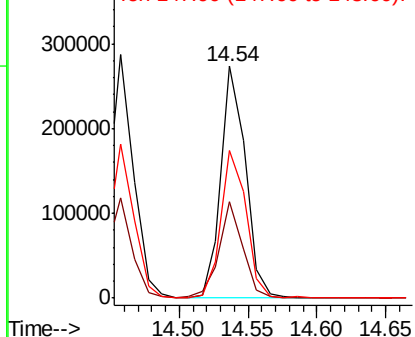


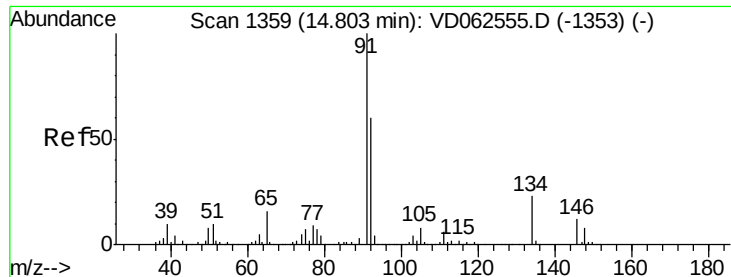
#88
 1,4-Dichlorobenzene
 Concen: 21.275 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion:146 Resp: 336746
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.2 54.6
 148 63.8 31.6 94.8



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





#89

n-Butylbenzene

Concen: 20.021 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062582.D

Acq: 3 Jun 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

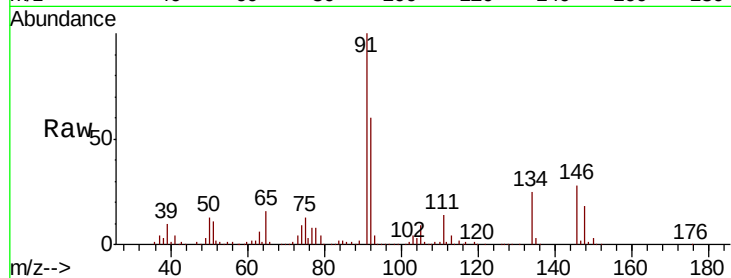
Tot Ion: 91 Resp: 560481

Ion Ratio Lower Upper

91 100

92 60.3 29.8 89.4

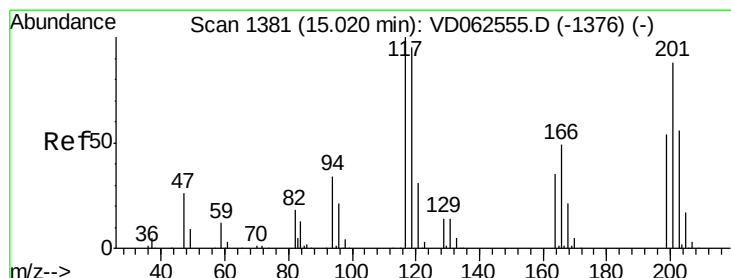
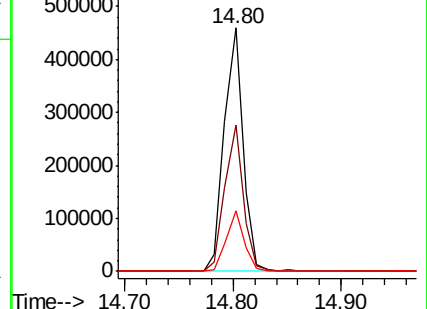
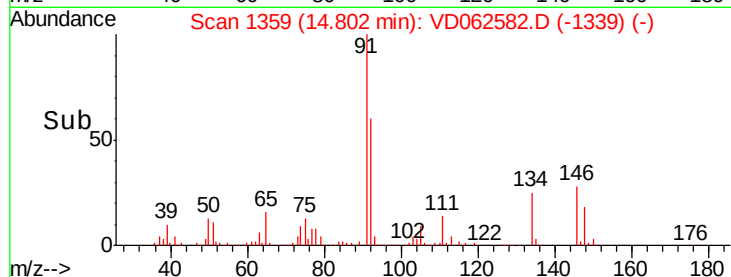
134 25.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.501 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062582.D

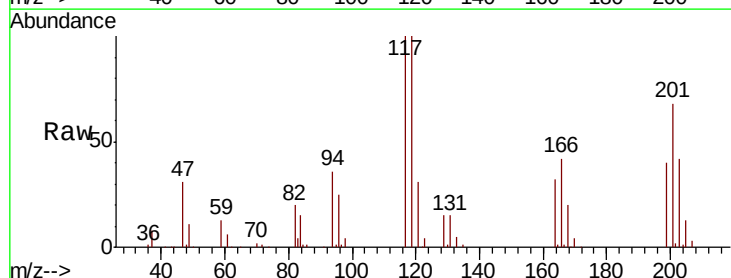
Acq: 3 Jun 2019 13:41

Tgt Ion: 117 Resp: 178889

Ion Ratio Lower Upper

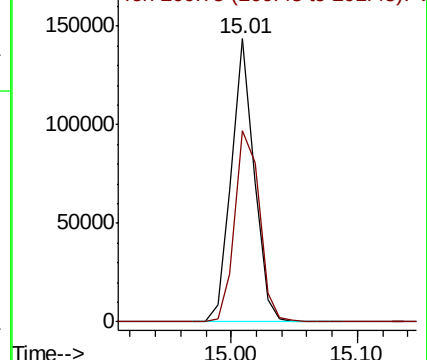
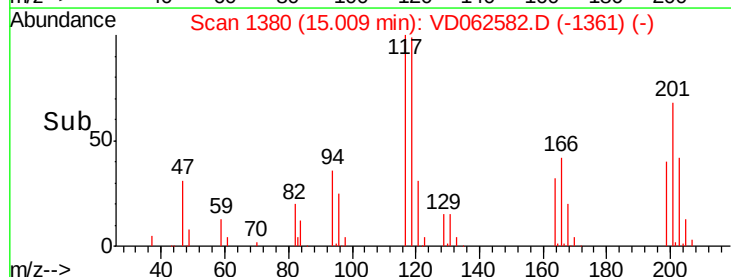
117 100

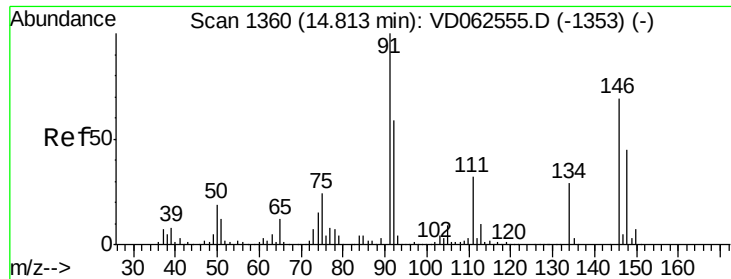
201 67.7 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

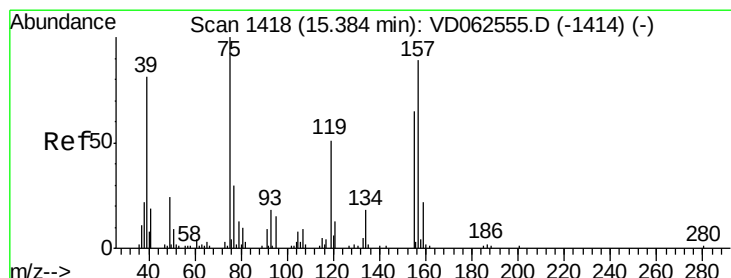
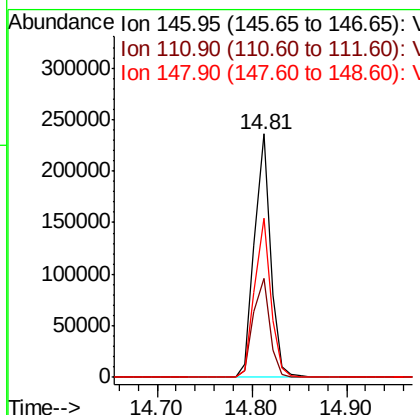
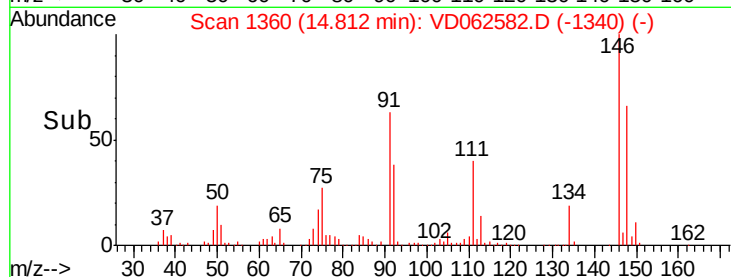
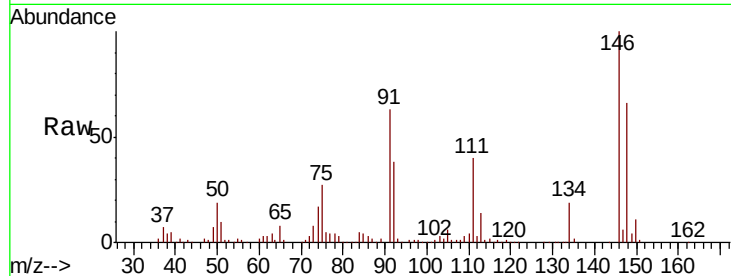




#91
 1,2-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

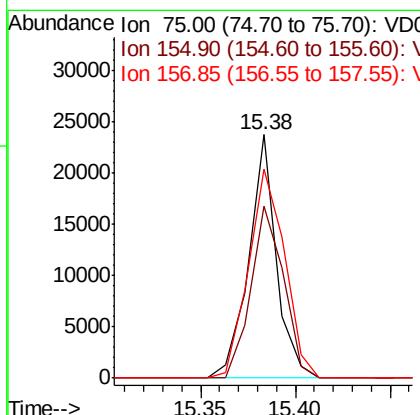
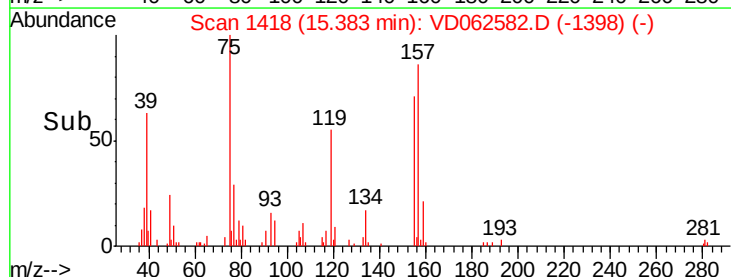
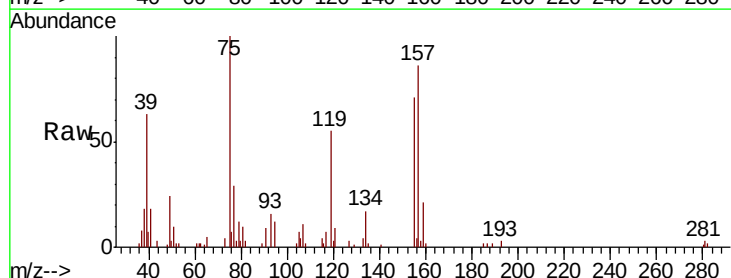
Instrument :
 MSVOA_D
 ClientSampleId :

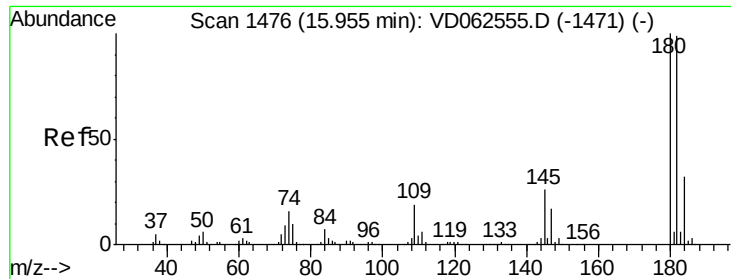
Tot Ion:146 Resp: 280832
 Ion Ratio Lower Upper
 146 100
 111 40.4 22.8 68.4
 148 65.5 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.857 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion: 75 Resp: 23887
 Ion Ratio Lower Upper
 75 100
 155 70.9 32.6 97.8
 157 86.0 44.5 133.7

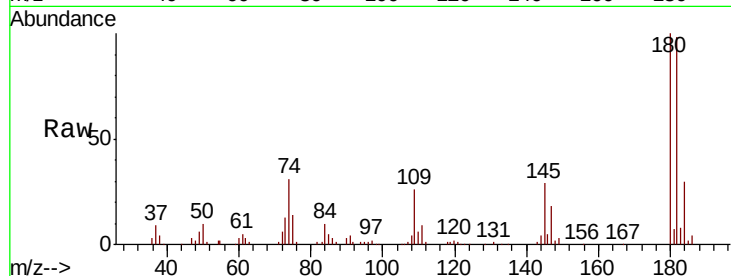




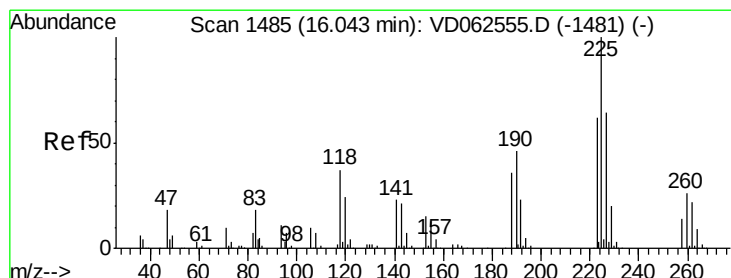
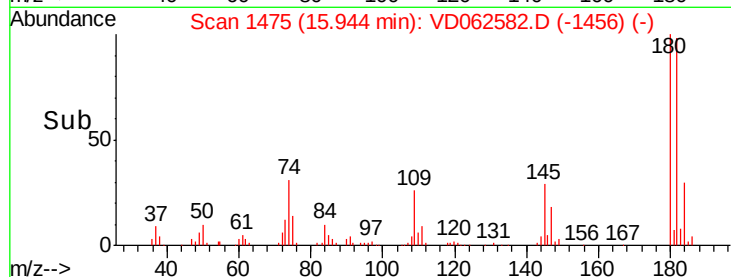
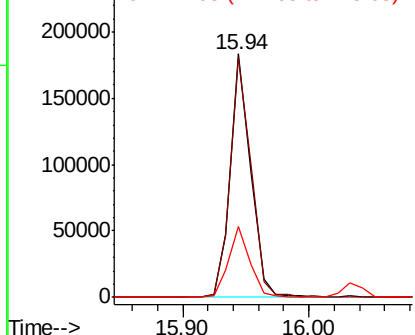
#93
 1,2,4-Trichlorobenzene
 Concen: 19.215 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	49.5	148.3
145	29.3	13.1	39.3

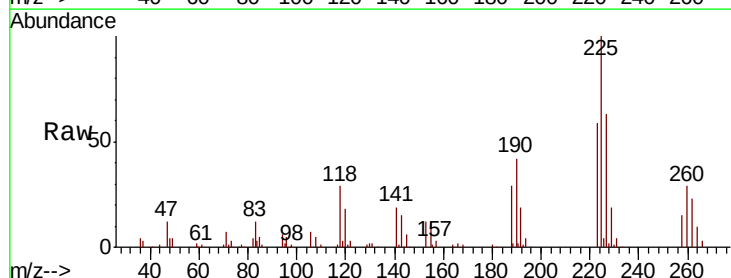


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

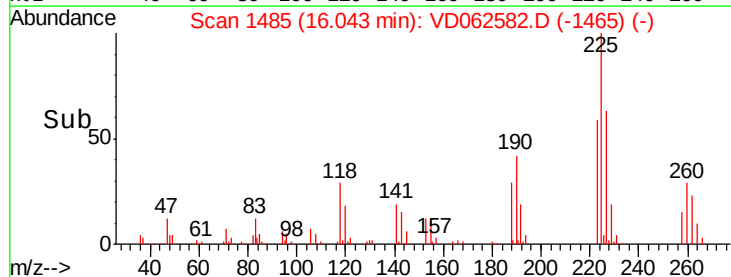
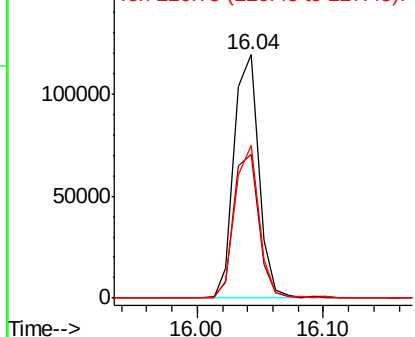


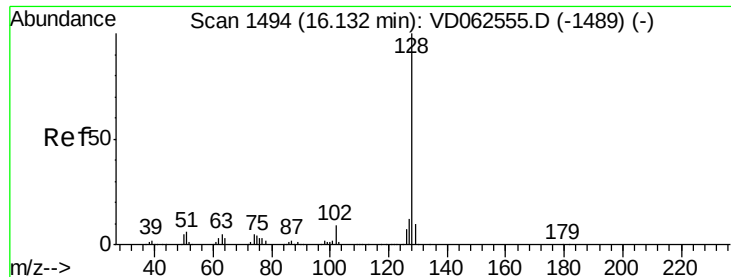
#94
 Hexachlorobutadiene
 Concen: 20.650 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062582.D
 Acq: 3 Jun 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.9	31.1	93.5
227	62.8	32.1	96.5



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

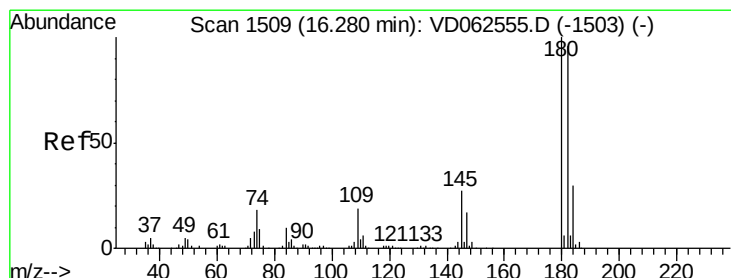
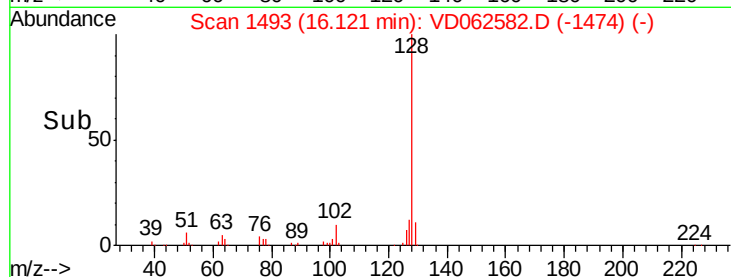
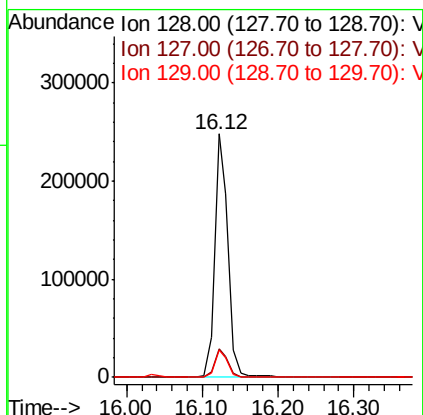
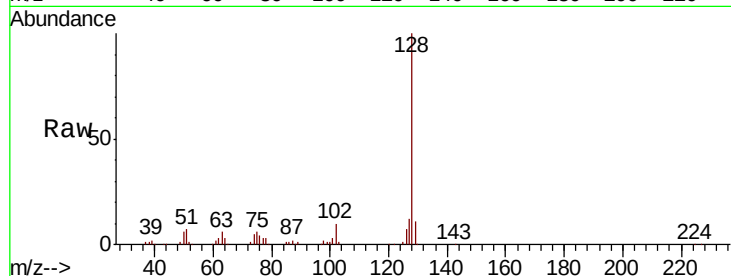




#95
Naphthalene
Concen: 21.262 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 307637
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 11.4 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.430 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062582.D
Acq: 3 Jun 2019 13:41

Tgt Ion:180 Resp: 162134
Ion Ratio Lower Upper
180 100
182 96.0 48.1 144.3
145 30.0 13.3 39.9

