

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062982.D
 Acq On : 1 Jul 2019 11:28
 Operator : VA/AP
 Sample : VD0701SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 07:33:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	724529	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	973822	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	766305	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	437455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	436481	55.42	ug/l	-0.02
Spiked Amount			Recovery	=	110.84%	
35) Dibromofluoromethane	6.91	113	439058	53.47	ug/l	-0.02
Spiked Amount			Recovery	=	106.94%	
50) Toluene-d8	10.40	98	903783	50.57	ug/l	-0.01
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.55	95	426050	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	220903	23.561	ug/l	99
3) Chloromethane	1.75	50	162269	23.013	ug/l	100
4) Vinyl Chloride	1.84	62	152893	21.870	ug/l	96
5) Bromomethane	2.14	94	55126	16.837	ug/l	97
6) Chloroethane	2.24	64	73091	23.093	ug/l #	87
7) Trichlorofluoromethane	2.52	101	333208	23.551	ug/l	95
8) Diethyl Ether	2.85	74	41559	23.118	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	181430	23.670	ug/l #	84
10) Methyl Iodide	3.29	142	192826	19.068	ug/l	97
11) Tert butyl alcohol	4.07	59	40650	113.330	ug/l	95
12) 1,1-Dichloroethene	3.11	96	125310	21.793	ug/l	87
13) Acrolein	3.02	56	28472	77.754	ug/l	89
14) Allyl chloride	3.60	41	189868	22.347	ug/l	96
15) Acrylonitrile	4.18	53	94055	111.596	ug/l	96
16) Acetone	3.21	43	177401	107.079	ug/l	99
17) Carbon Disulfide	3.36	76	380361	20.697	ug/l	95
18) Methyl Acetate	3.62	43	69914	29.407	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	289032	23.219	ug/l	99
20) Methylene Chloride	3.79	84	133556	22.236	ug/l #	89
21) trans-1,2-Dichloroethene	4.19	96	136457	22.288	ug/l	96
22) Diisopropyl ether	5.11	45	393364	22.766	ug/l	98
23) Vinyl Acetate	5.04	43	1134542	104.933	ug/l	100
24) 1,1-Dichloroethane	4.96	63	259408	23.059	ug/l	99
25) 2-Butanone	6.06	43	161469	109.622	ug/l	93
26) 2,2-Dichloropropane	6.01	77	289542	24.282	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	146492	22.626	ug/l	94
28) Bromochloromethane	6.42	49	88747	22.398	ug/l	96
29) Tetrahydrofuran	6.45	42	79704	114.367	ug/l	98
30) Chloroform	6.64	83	327600	23.945	ug/l	100
31) Cyclohexane	6.94	56	166526	22.517	ug/l	90
32) 1,1,1-Trichloroethane	6.85	97	333126	23.377	ug/l	93
36) 1,1-Dichloropropene	7.13	75	210292	22.812	ug/l	97
37) Ethyl Acetate	6.16	43	84462	21.176	ug/l	98
38) Carbon Tetrachloride	7.10	117	332923	24.013	ug/l	96

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Quant Time: Jul 02 07:33:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	165698	20.420	ug/l	97
40) Benzene	7.44	78	415194	22.437	ug/l	98
41) Methacrylonitrile	6.43	41	104309	21.456	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	231570	22.940	ug/l	98
43) Isopropyl Acetate	9.23	43	105398	21.808	ug/l #	94
44) Trichloroethene	8.52	130	162668	22.423	ug/l	94
45) 1,2-Dichloropropane	8.93	63	102153	22.201	ug/l	98
46) Dibromomethane	9.06	93	87044	22.022	ug/l	88
47) Bromodichloromethane	9.36	83	229360	22.343	ug/l	93
48) Methyl methacrylate	9.11	41	74904	21.809	ug/l	95
49) 1,4-Dioxane	9.08	88	12183	426.371	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	362899	105.907	ug/l	94
52) Toluene	10.50	92	268586	21.593	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	204079	24.290	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	199815	21.880	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	91975	21.522	ug/l	92
56) Ethyl methacrylate	11.03	69	97880	21.432	ug/l	89
57) 1,3-Dichloropropane	11.40	76	148703	22.726	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	271303	115.712	ug/l	94
59) 2-Hexanone	11.53	43	269712	110.521	ug/l	99
60) Dibromochloromethane	11.67	129	184509	23.180	ug/l	96
61) 1,2-Dibromoethane	11.80	107	112408	22.271	ug/l	99
64) Tetrachloroethene	11.25	164	146891	23.291	ug/l	94
65) Chlorobenzene	12.39	112	352400	24.779	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	171123	25.729	ug/l	95
67) Ethyl Benzene	12.51	91	647665	25.365	ug/l	97
68) m/p-Xylenes	12.66	106	445233	50.065	ug/l	98
69) o-Xylene	13.04	106	194413	23.914	ug/l	98
70) Styrene	13.06	104	327197	22.914	ug/l	95
71) Bromoform	13.23	173	112394	24.665	ug/l	97
73) Isopropylbenzene	13.40	105	668027	23.817	ug/l	99
74) N-amyl acetate	13.26	43	164317	24.123	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	107948	23.621	ug/l	84
76) 1,2,3-Trichloropropane	13.73	75	114790	22.730	ug/l	90
77) Bromobenzene	13.66	156	180844	23.971	ug/l	88
78) n-propylbenzene	13.77	91	719697	22.045	ug/l	95
79) 2-Chlorotoluene	13.84	91	446728	23.945	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	570527	24.216	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	29774	22.495	ug/l	92
82) 4-Chlorotoluene	13.94	91	543892	24.215	ug/l	88
83) tert-Butylbenzene	14.18	119	616934	23.492	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	555328	22.997	ug/l	96
85) sec-Butylbenzene	14.36	105	615524	21.565	ug/l	95
86) p-Isopropyltoluene	14.49	119	641148	24.554	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	329811	24.388	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	315065	23.195	ug/l	96
89) n-Butylbenzene	14.80	91	550650	22.531	ug/l	95
90) Hexachloroethane	15.00	117	152812	21.766	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	273757	23.660	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19310	21.648	ug/l #	69

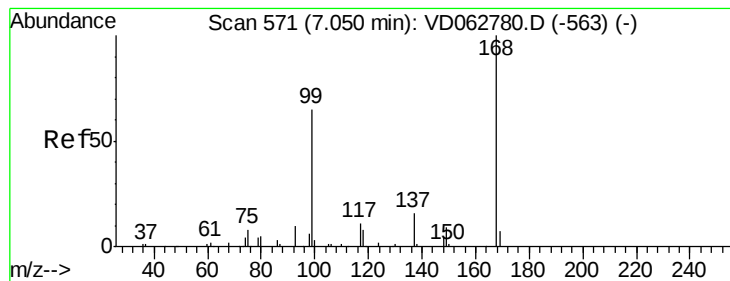
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	215356	23.826	ug/l	92
94) Hexachlorobutadiene	16.04	225	152698	22.114	ug/l	95
95) Naphthalene	16.12	128	304742	24.055	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	169172	24.360	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

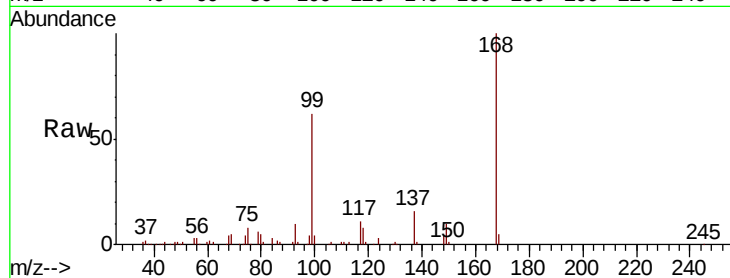
ClientSampled :

Tot Ion:168 Resp: 724529

Ion Ratio Lower Upper

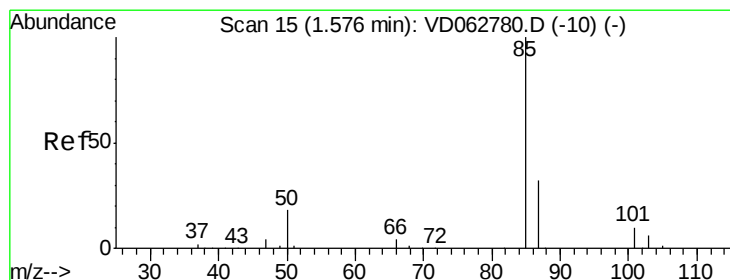
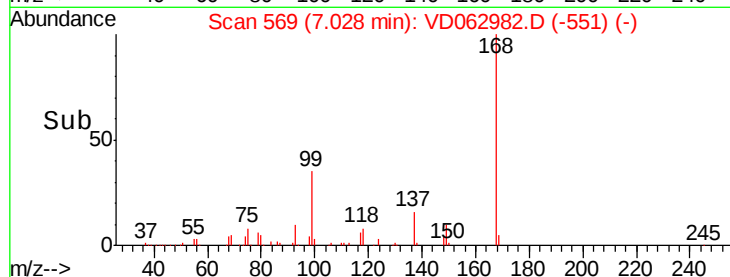
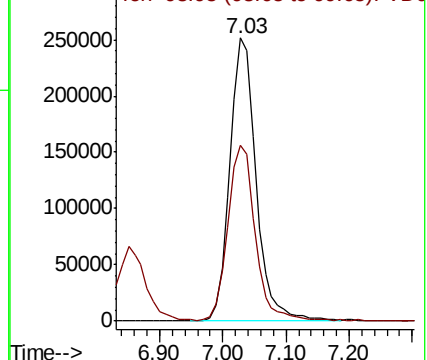
168 100

99 62.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.561 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062982.D

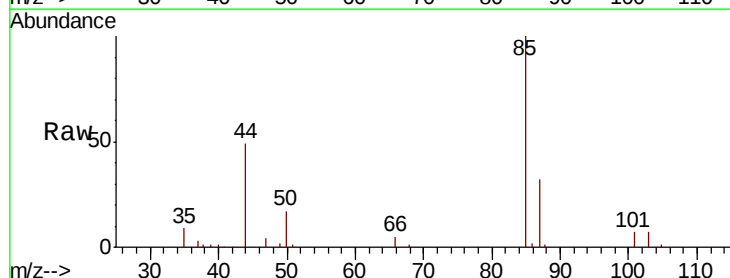
Acq: 1 Jul 2019 11:28

Tgt Ion: 85 Resp: 220903

Ion Ratio Lower Upper

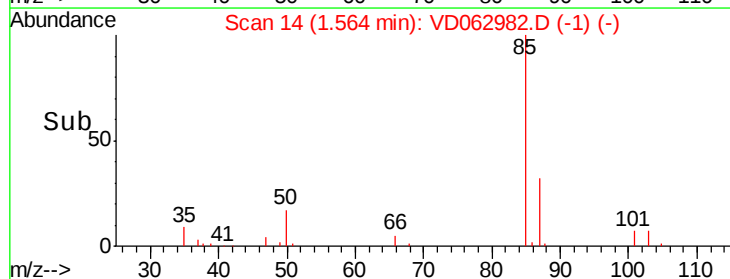
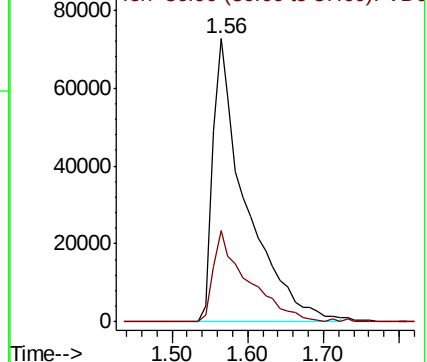
85 100

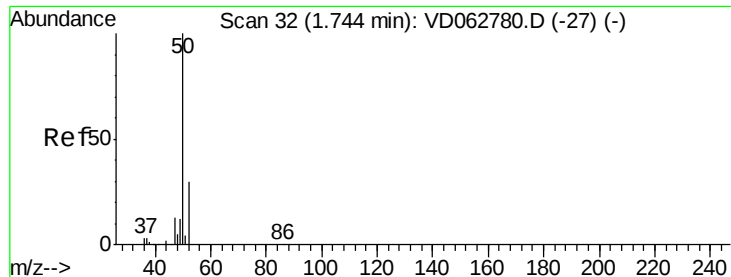
87 32.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.013 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

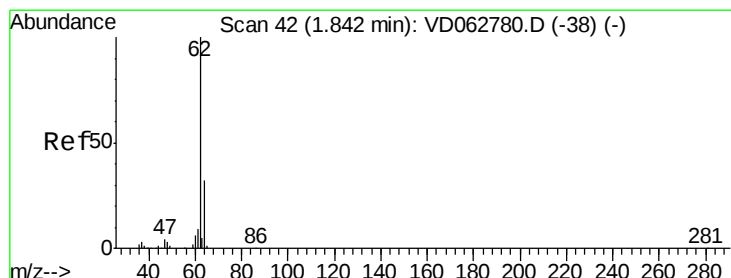
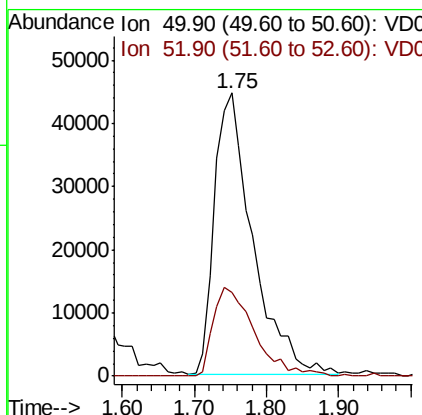
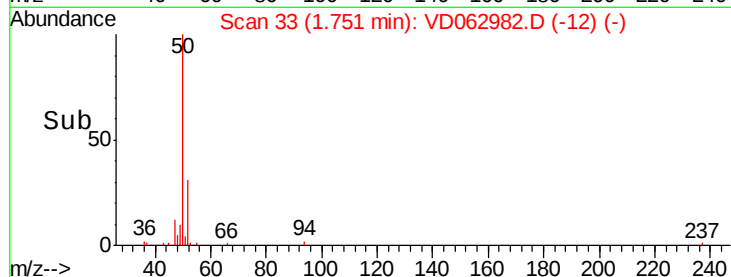
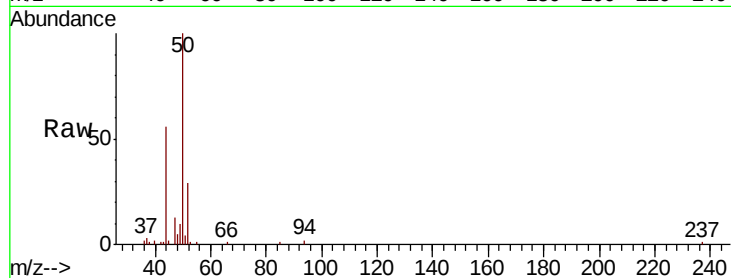
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 162269

Ion Ratio Lower Upper

50 100

52 29.4 23.6 35.4



#4

Vinyl Chloride

Concen: 21.870 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062982.D

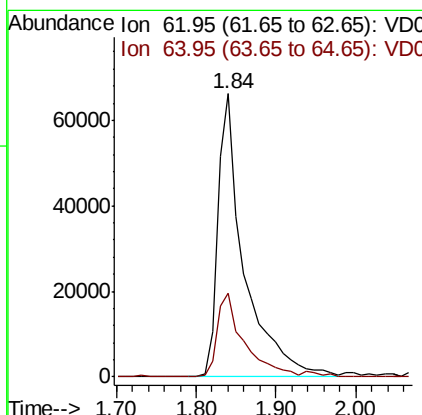
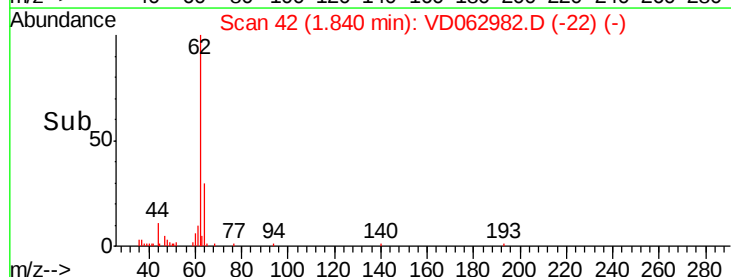
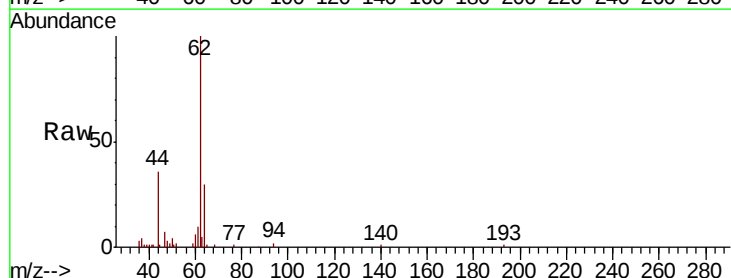
Acq: 1 Jul 2019 11:28

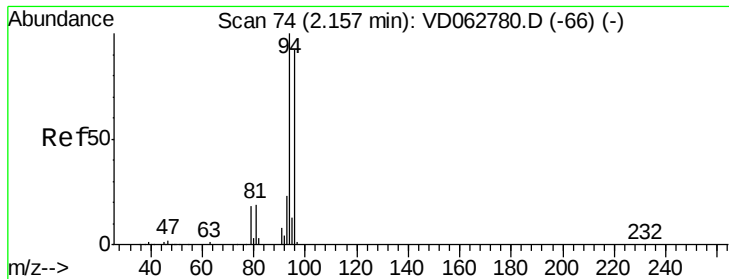
Tgt Ion: 62 Resp: 152893

Ion Ratio Lower Upper

62 100

64 29.7 25.6 38.4





#5

Bromomethane

Concen: 16.837 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

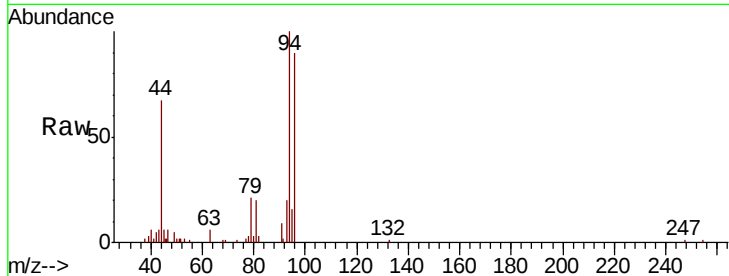
Tot Ion: 94 Resp: 55126

Ion Ratio Lower Upper

94 100

96 89.6 73.4 110.2

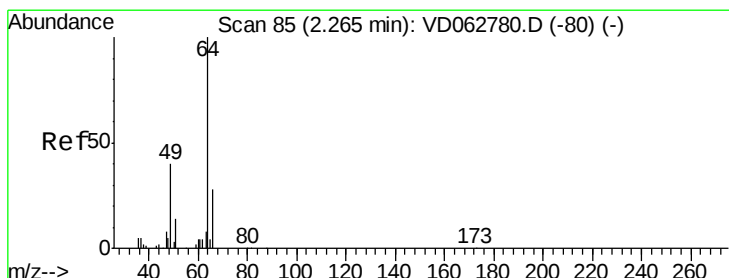
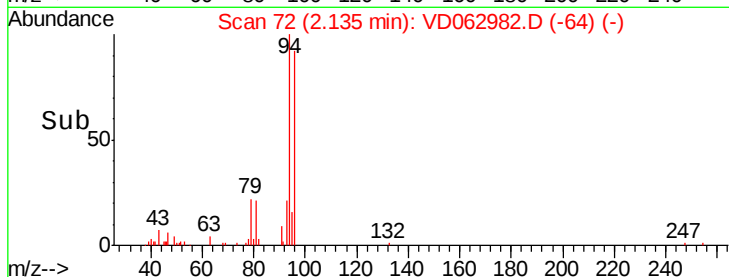
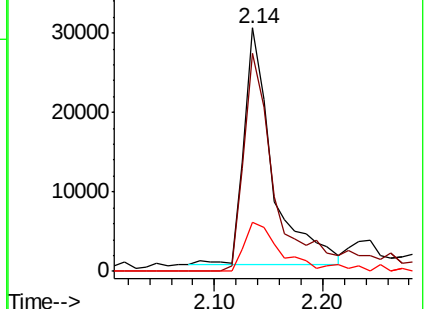
93 20.4 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 23.093 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062982.D

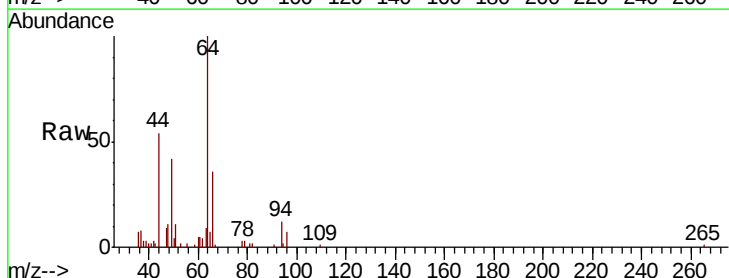
Acq: 1 Jul 2019 11:28

Tgt Ion: 64 Resp: 73091

Ion Ratio Lower Upper

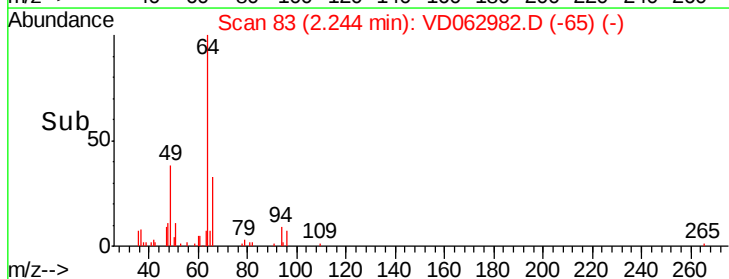
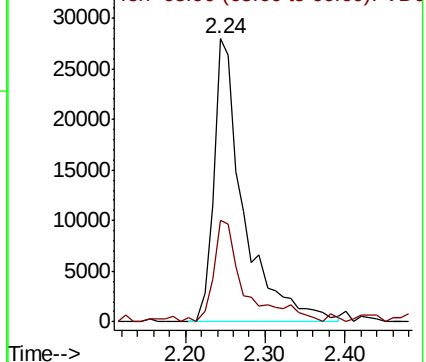
64 100

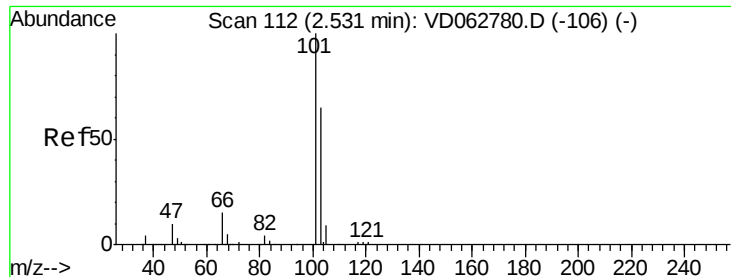
66 35.7 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



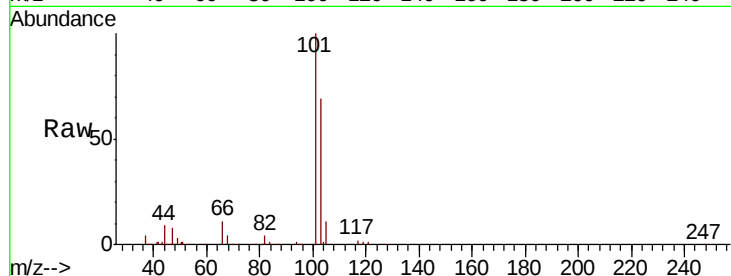


#7

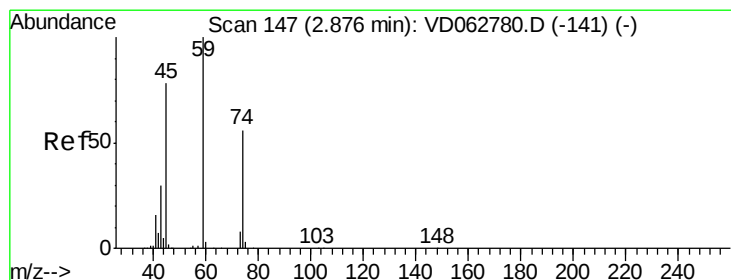
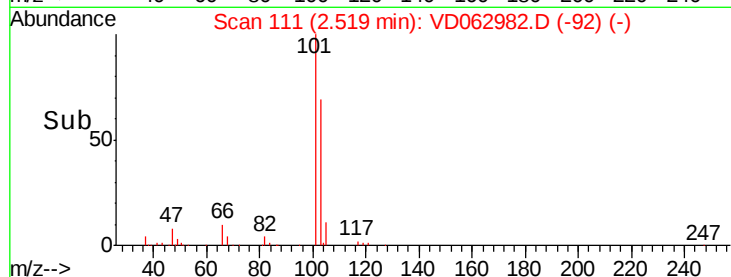
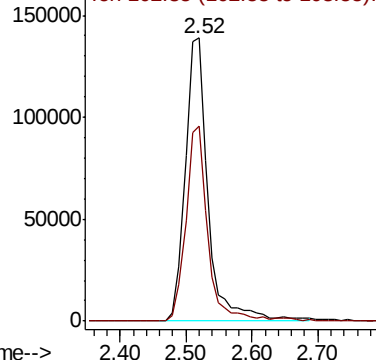
Trichlorofluoromethane
Concen: 23.551 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 333208
Ion Ratio Lower Upper
101 100
103 68.7 51.8 77.8



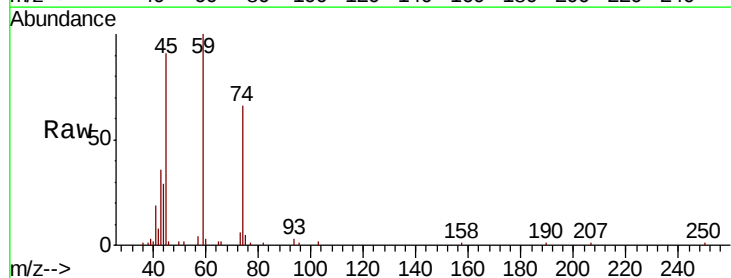
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



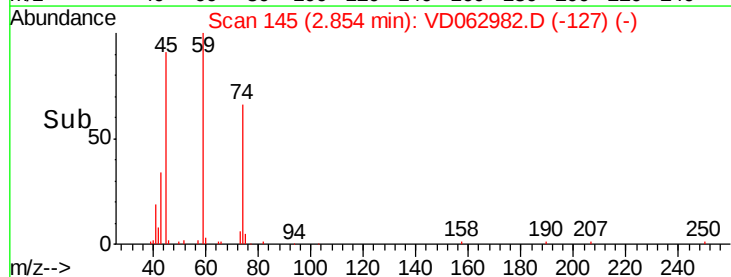
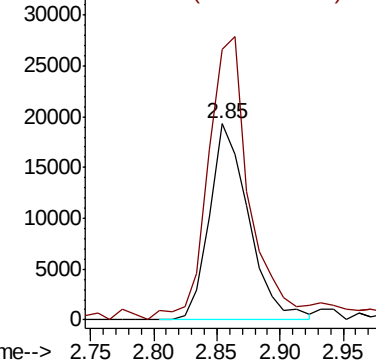
#8

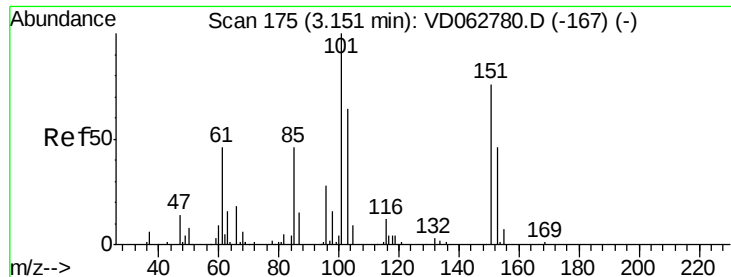
Diethyl Ether
Concen: 23.118 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 74 Resp: 41559
Ion Ratio Lower Upper
74 100
45 138.1 70.2 210.6



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: 23.670 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampled :

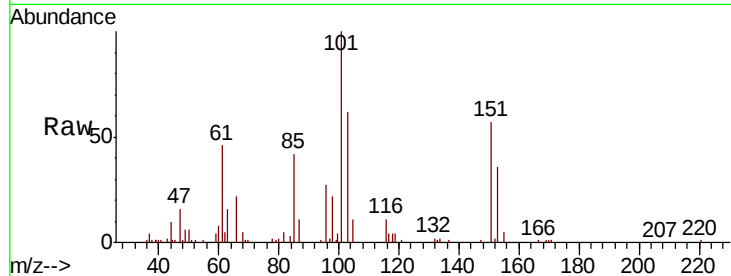
Tot Ion:101 Resp: 181430

Ion Ratio Lower Upper

101 100

85 41.9 37.0 55.4

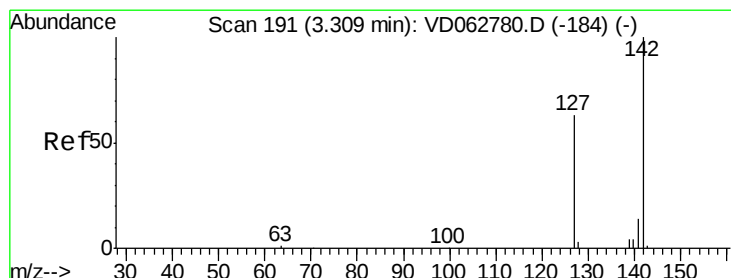
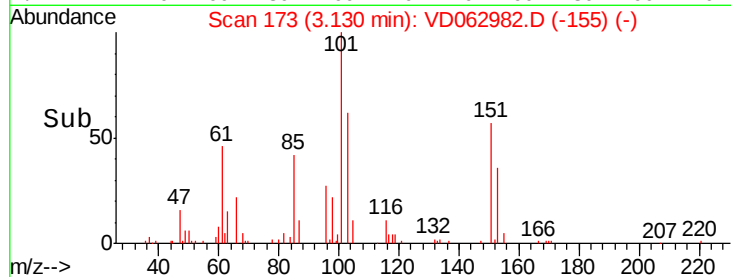
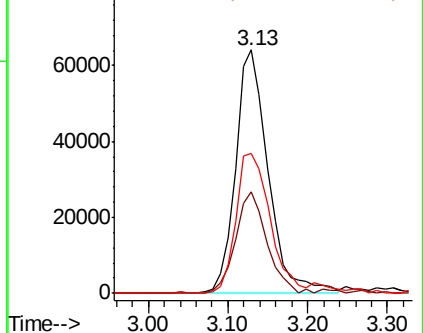
151 57.4 60.5 90.7#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.068 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

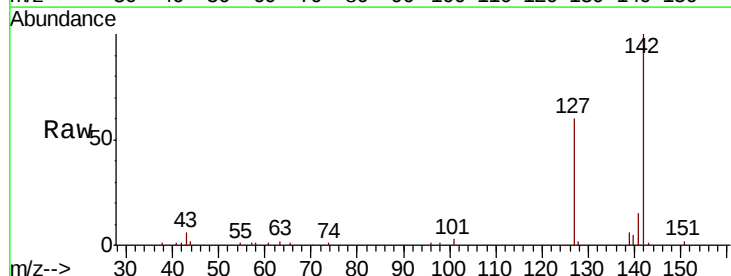
Tgt Ion:142 Resp: 192826

Ion Ratio Lower Upper

142 100

127 59.9 50.1 75.1

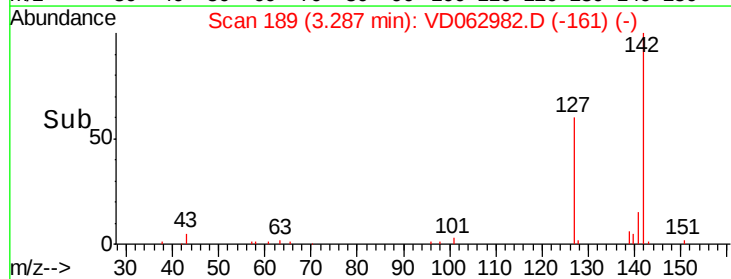
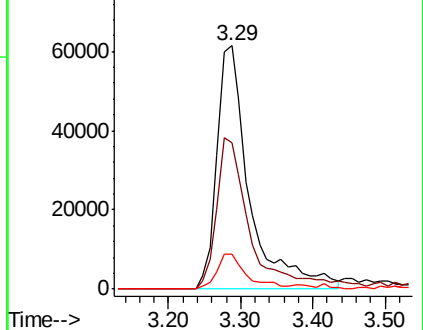
141 14.6 11.0 16.4



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



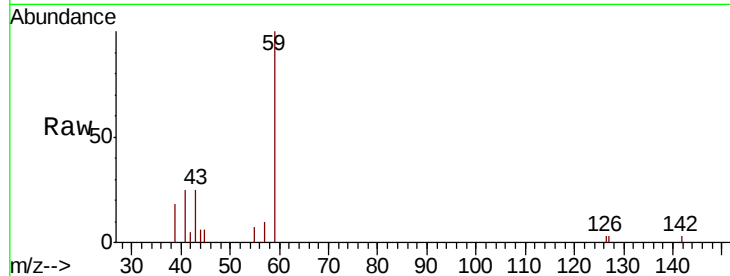


#11

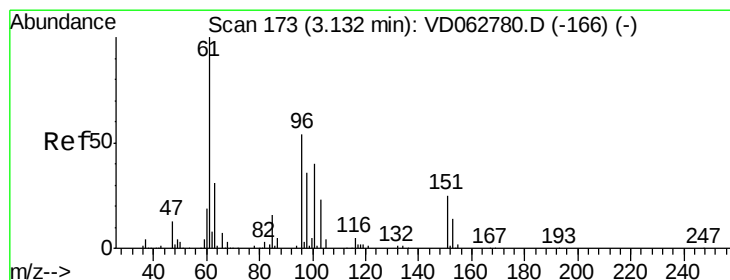
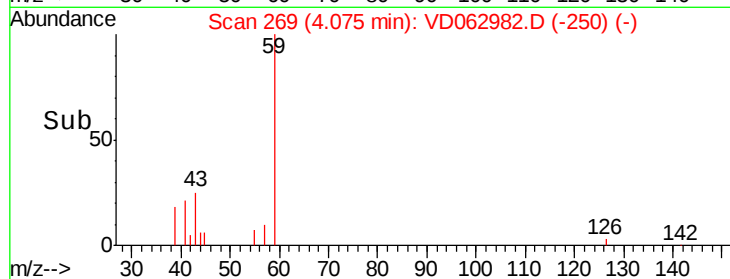
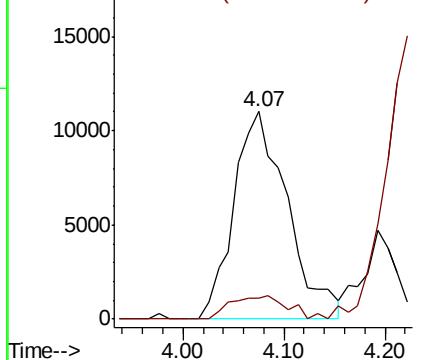
Tert butyl alcohol
 Concen: 113.330 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 40650
 Ion Ratio Lower Upper
 59 100
 57 9.9 6.6 10.0



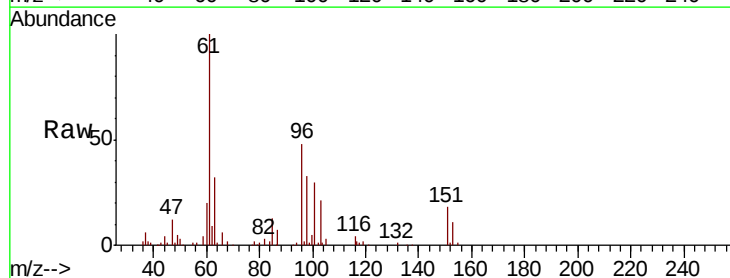
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



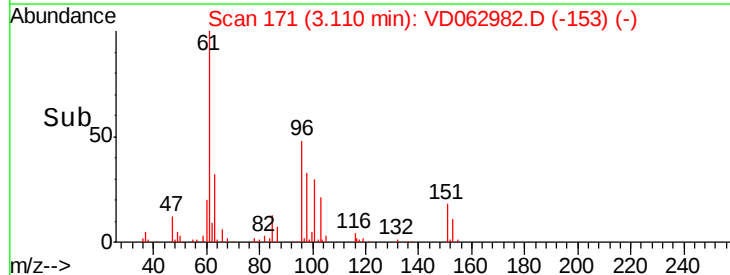
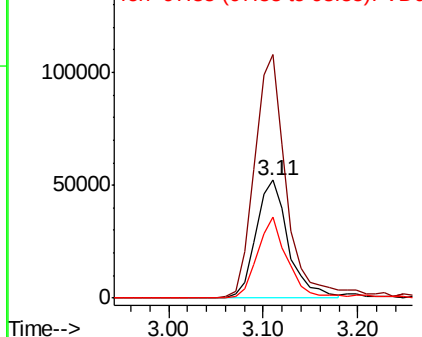
#12

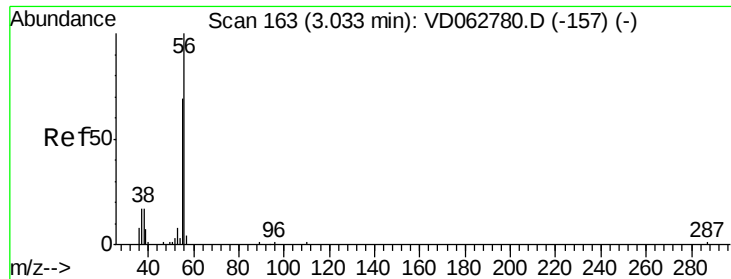
1,1-Dichloroethene
 Concen: 21.793 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.02 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 96 Resp: 125310
 Ion Ratio Lower Upper
 96 100
 61 206.7 147.1 220.7
 98 68.9 52.6 79.0



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: 77.754 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

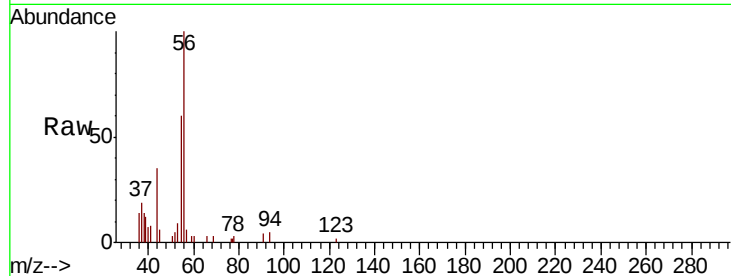
ClientSampled :

Tot Ion: 56 Resp: 28472

Ion Ratio Lower Upper

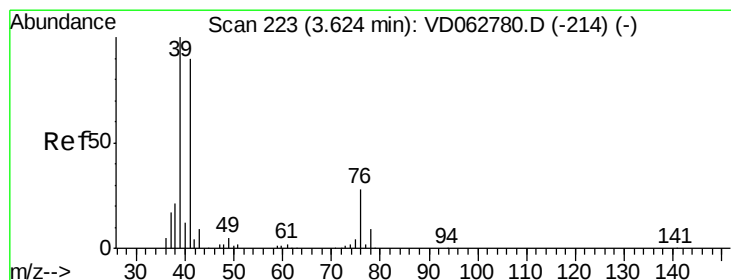
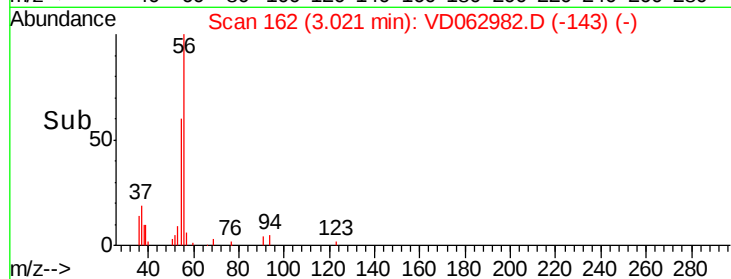
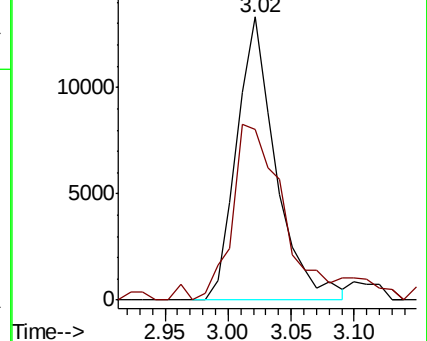
56 100

55 60.2 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.347 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

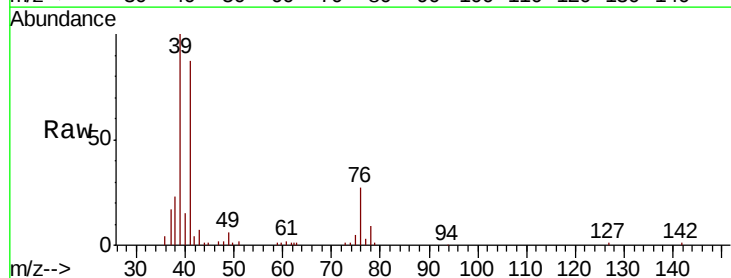
Tgt Ion: 41 Resp: 189868

Ion Ratio Lower Upper

41 100

39 115.3 88.8 133.2

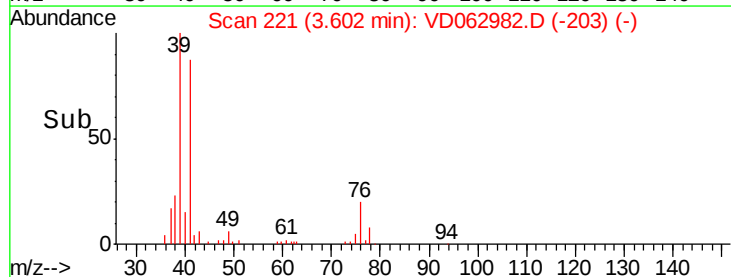
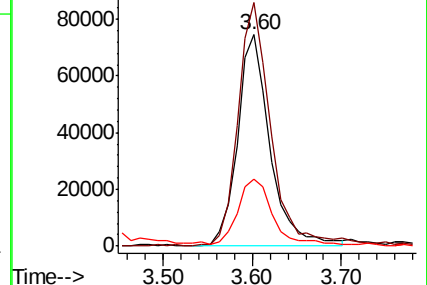
76 31.6 26.7 40.1

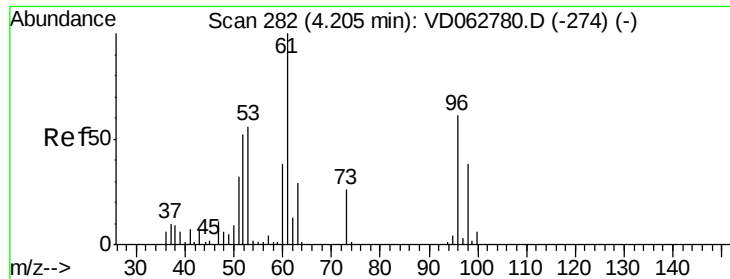


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.596 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

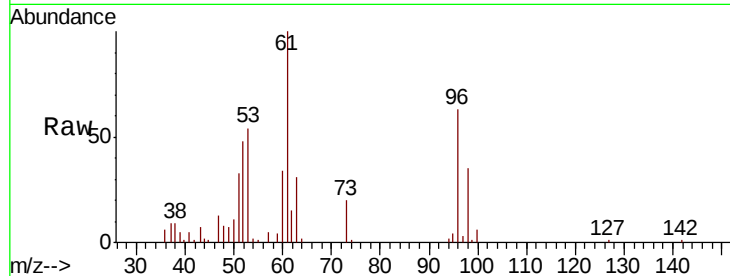
Tot Ion: 53 Resp: 94055

Ion Ratio Lower Upper

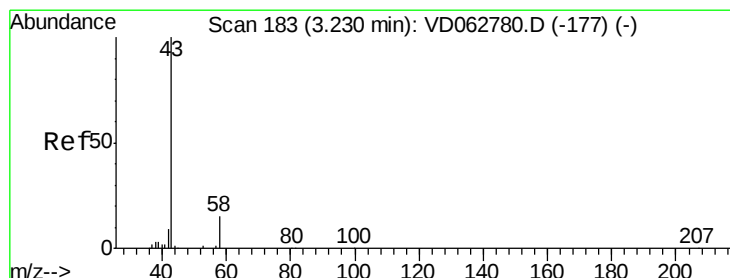
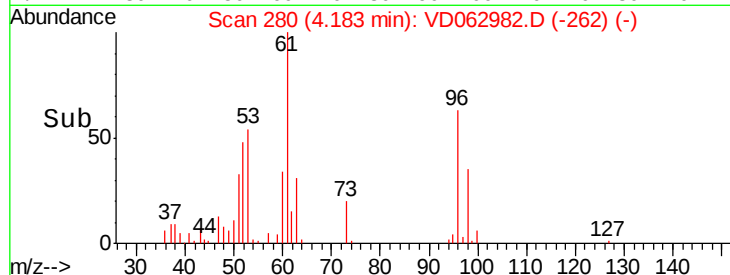
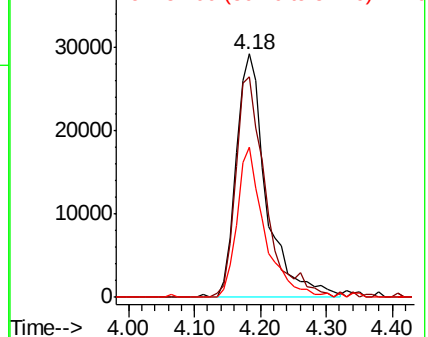
53 100

52 90.3 73.3 109.9

51 61.9 44.8 67.2



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: 107.079 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062982.D

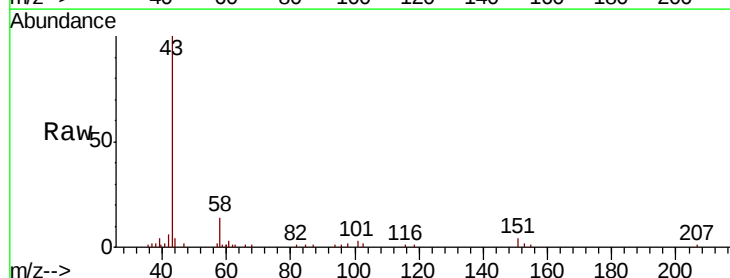
Acq: 1 Jul 2019 11:28

Tgt Ion: 43 Resp: 177401

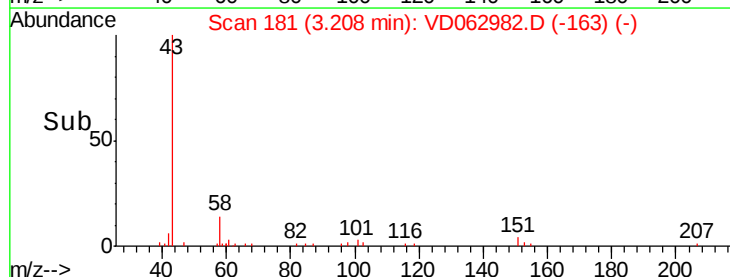
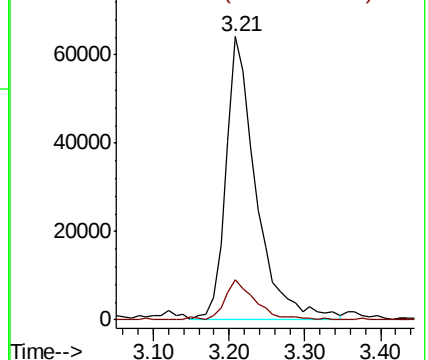
Ion Ratio Lower Upper

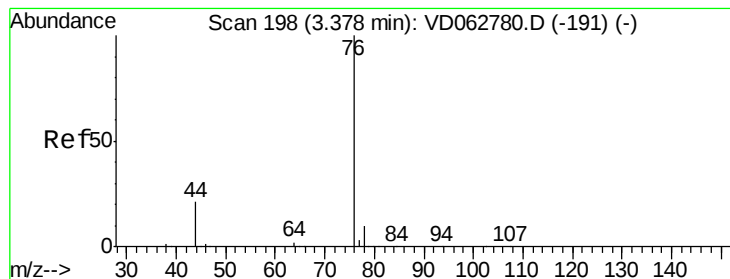
43 100

58 14.4 11.9 17.9



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





#17

Carbon Disulfide

Concen: 20.697 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

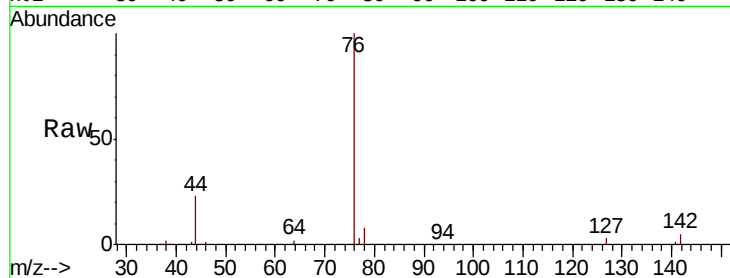
ClientSampleId :

Tot Ion: 76 Resp: 380361

Ion Ratio Lower Upper

76 100

78 8.1 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

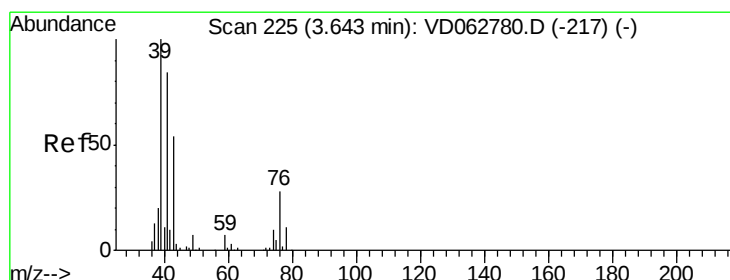
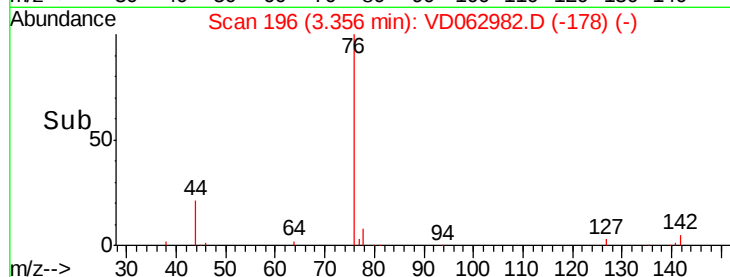
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 29.407 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062982.D

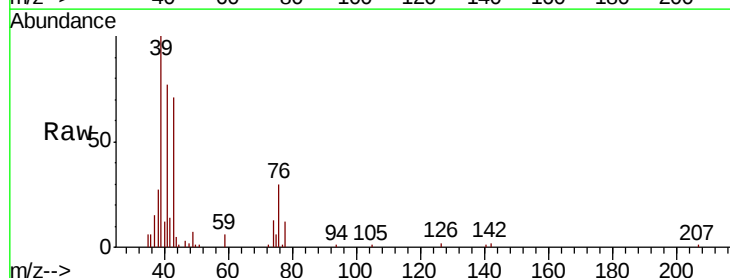
Acq: 1 Jul 2019 11:28

Tgt Ion: 43 Resp: 69914

Ion Ratio Lower Upper

43 100

74 17.8 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

30000

25000

20000

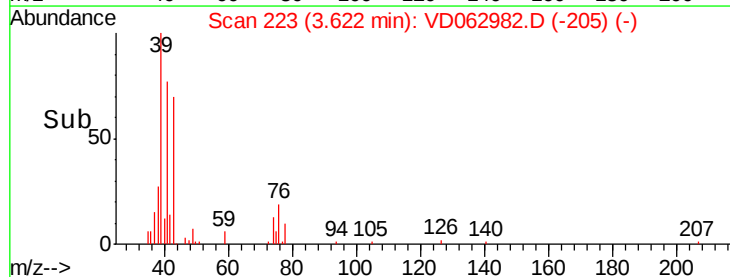
15000

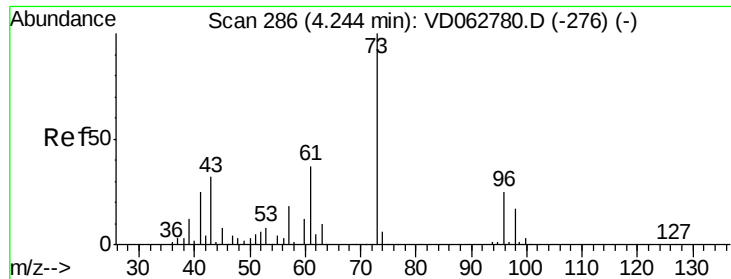
10000

5000

0

Time-->

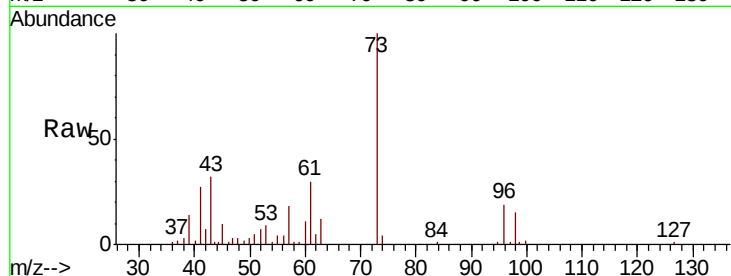




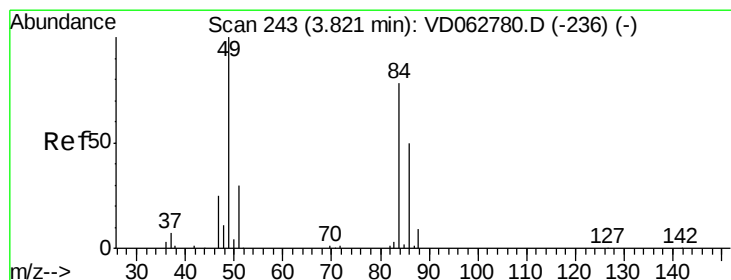
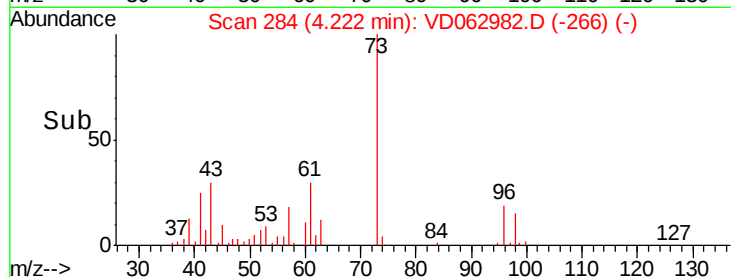
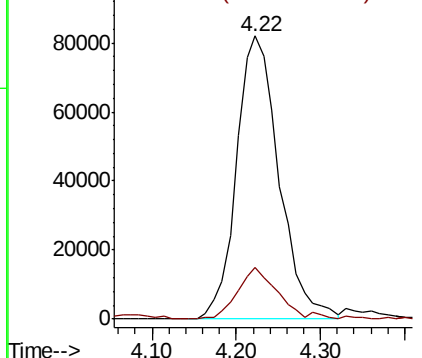
#19
Methyl tert-butyl Ether
Concen: 23.219 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 289032
Ion Ratio Lower Upper
73 100
57 18.3 14.3 21.5

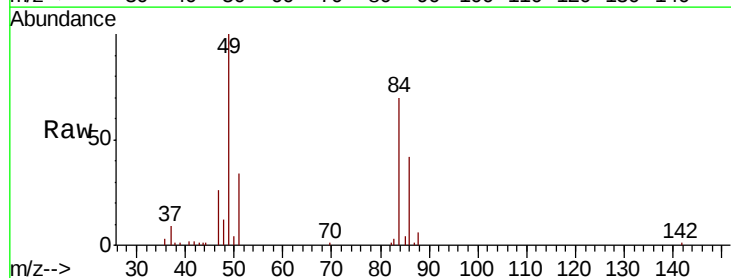


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

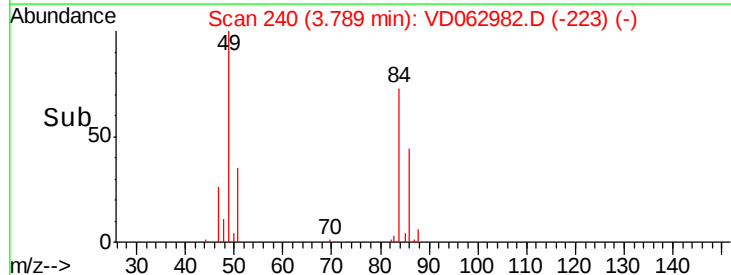
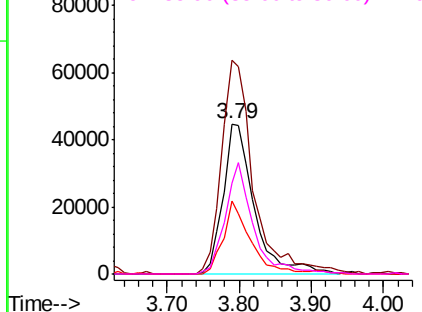


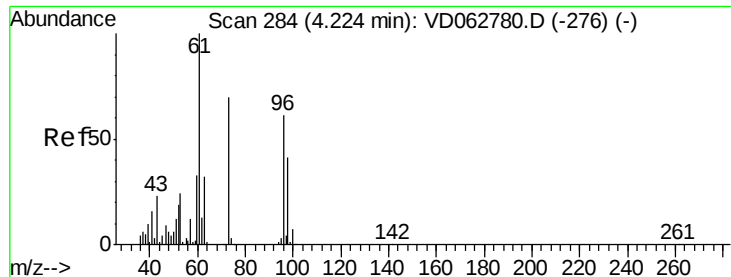
#20
Methylene Chloride
Concen: 22.236 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 84 Resp: 133556
Ion Ratio Lower Upper
84 100
49 142.6 102.9 154.3
51 48.9 31.2 46.8#
86 60.3 51.4 77.2



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: 22.288 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

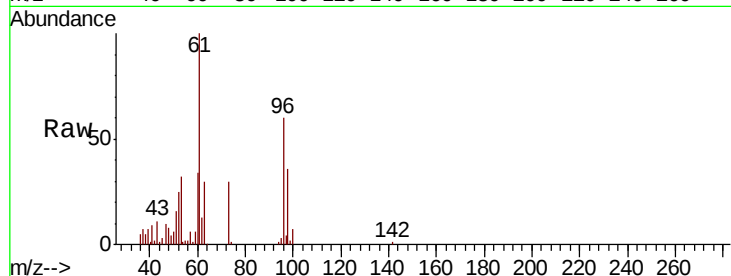
Tot Ion: 96 Resp: 136457

Ion Ratio Lower Upper

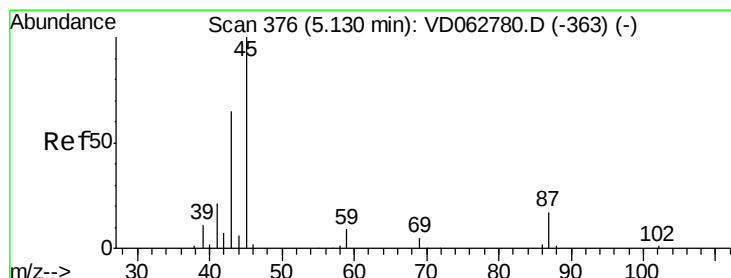
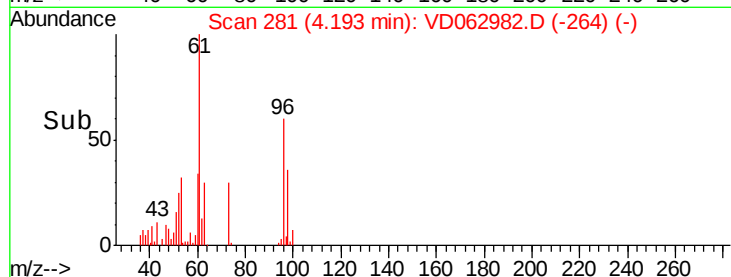
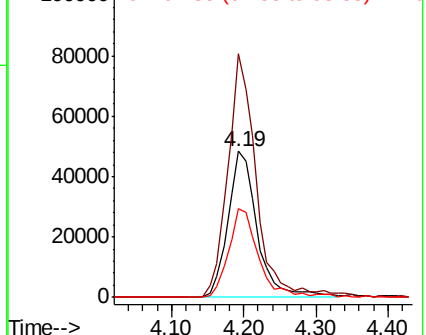
96 100

61 167.0 131.0 196.4

98 60.6 53.2 79.8



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



#22

Diisopropyl ether

Concen: 22.766 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Tgt Ion: 45 Resp: 393364

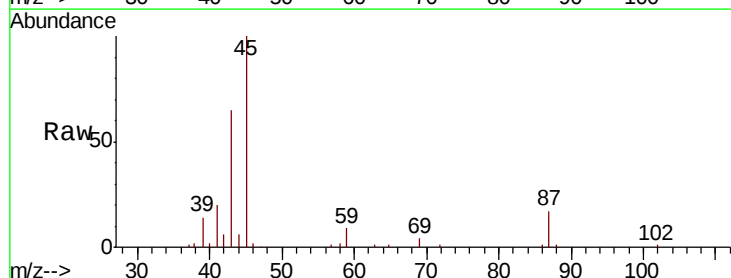
Ion Ratio Lower Upper

45 100

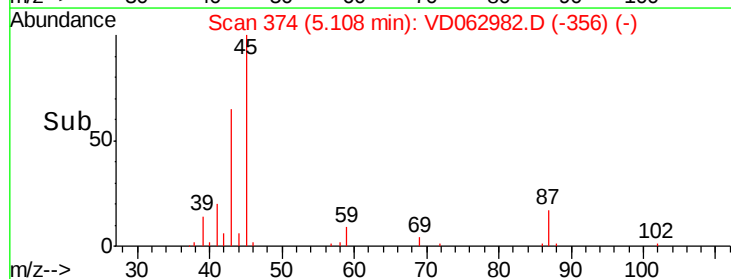
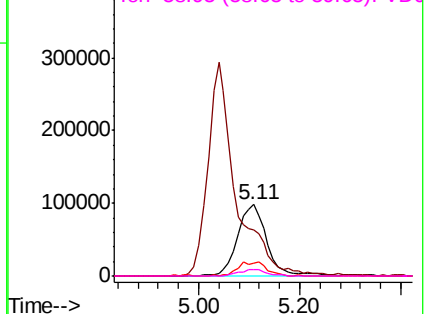
43 65.4 53.4 80.0

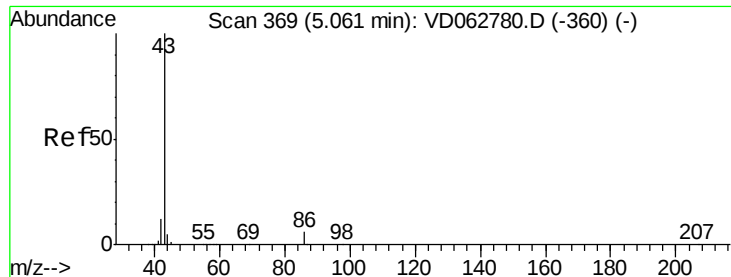
87 17.5 14.6 22.0

59 8.6 7.8 11.8



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





#23

Vinyl Acetate

Concen: 104.933 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

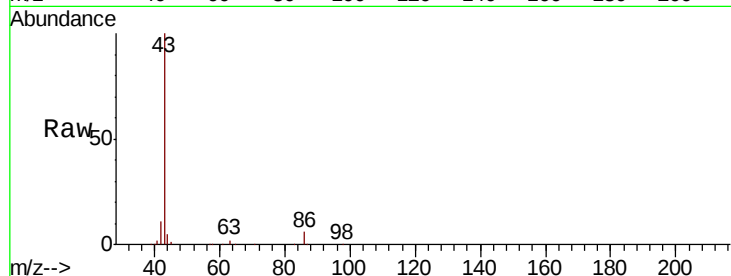
ClientSampleId :

Tot Ion: 43 Resp: 1134542

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

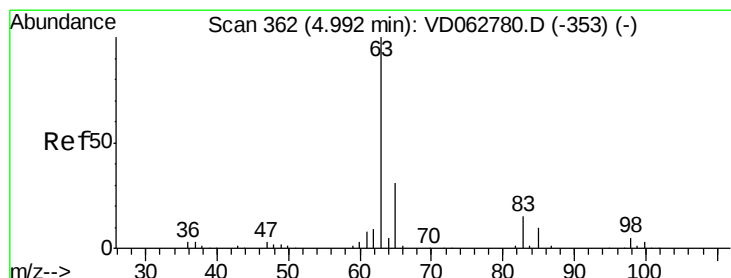
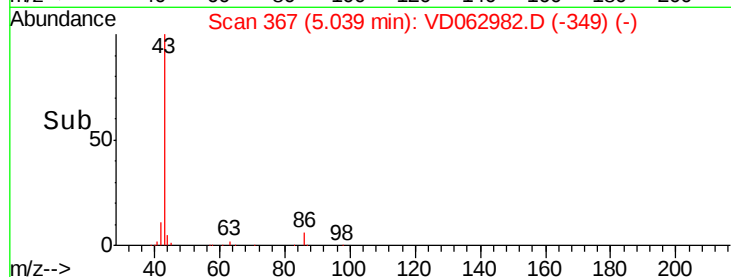
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.059 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

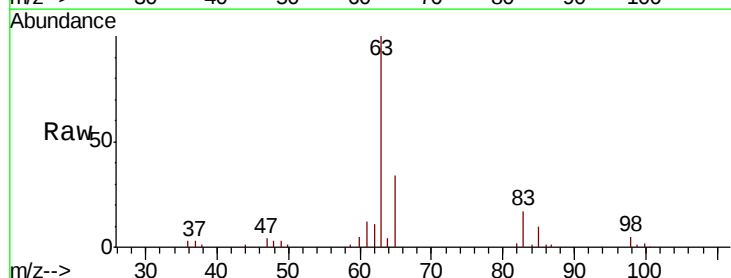
Tgt Ion: 63 Resp: 259408

Ion Ratio Lower Upper

63 100

98 4.8 2.3 6.9

100 2.9 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.96

100000

80000

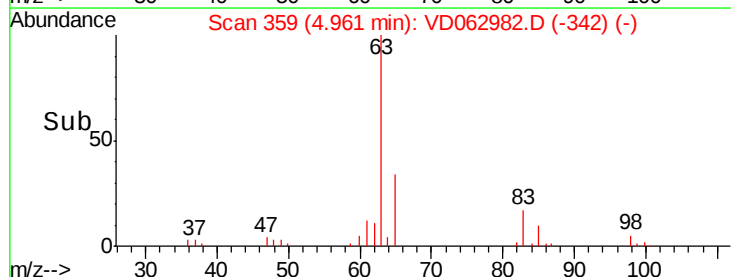
60000

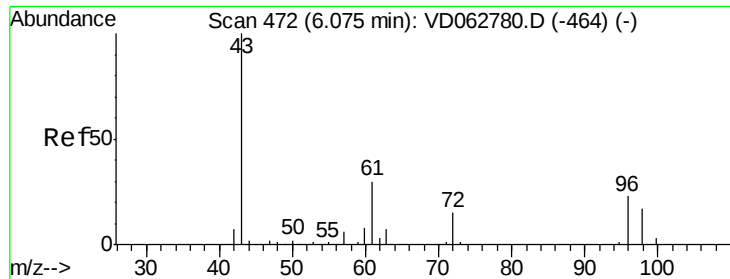
40000

20000

0

Time-->





#25

2-Butanone

Concen: 109.622 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

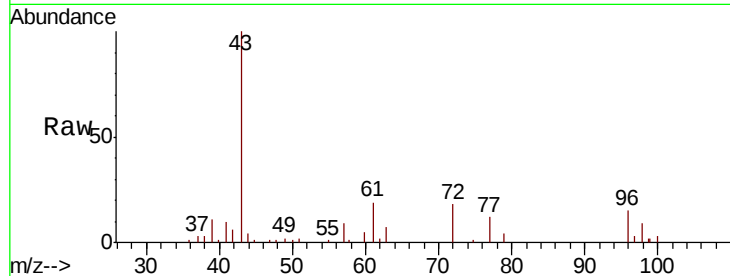
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 161469

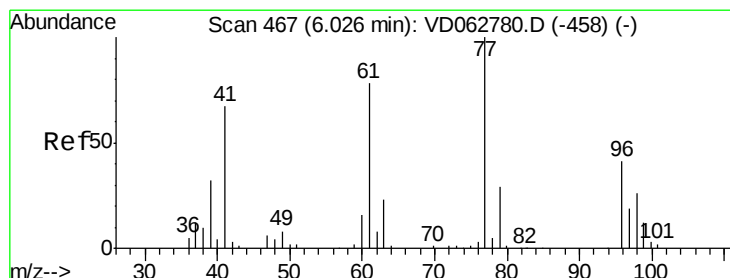
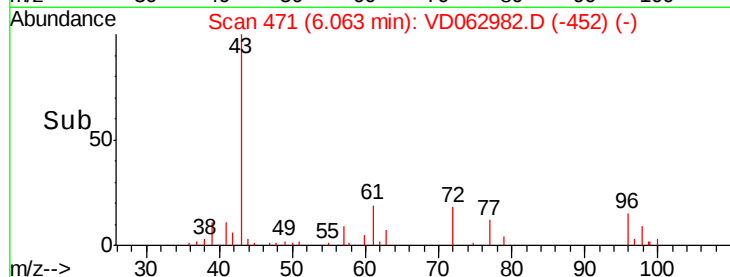
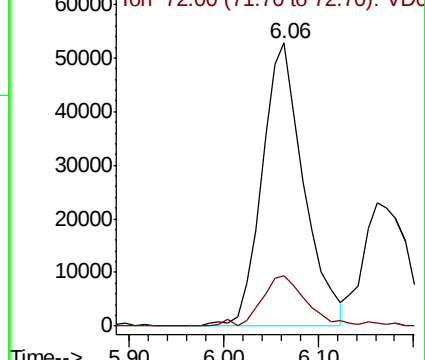
Ion Ratio Lower Upper

43 100

72 17.8 11.9 17.9



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



#26

2,2-Dichloropropane

Concen: 24.282 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062982.D

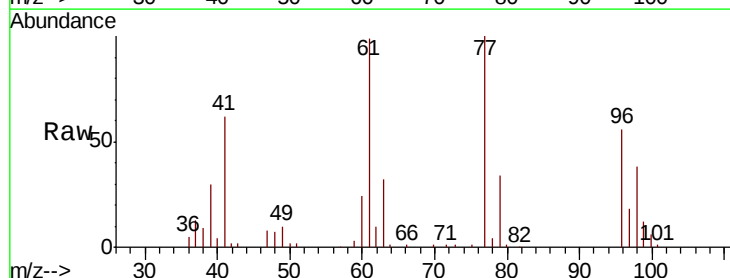
Acq: 1 Jul 2019 11:28

Tgt Ion: 77 Resp: 289542

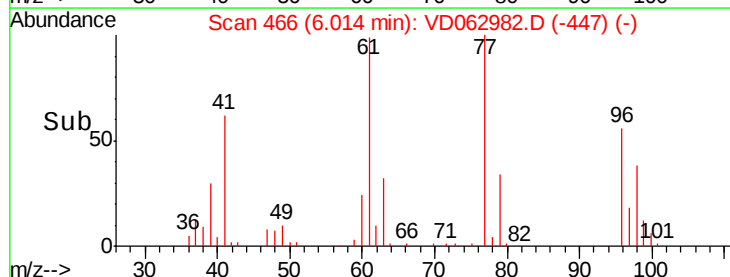
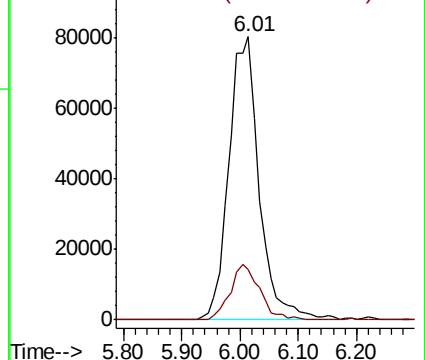
Ion Ratio Lower Upper

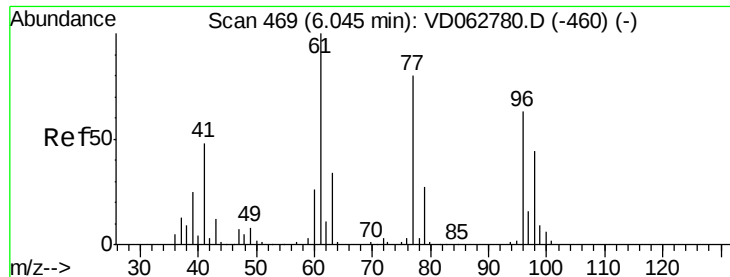
77 100

97 17.9 9.5 28.5



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



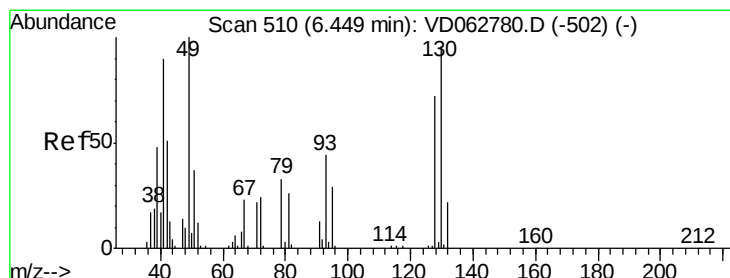
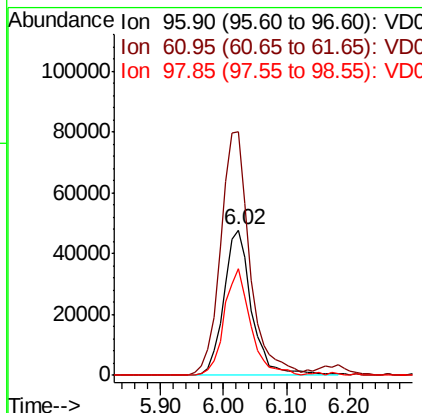
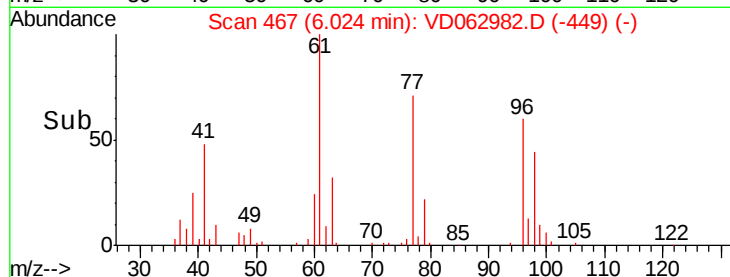
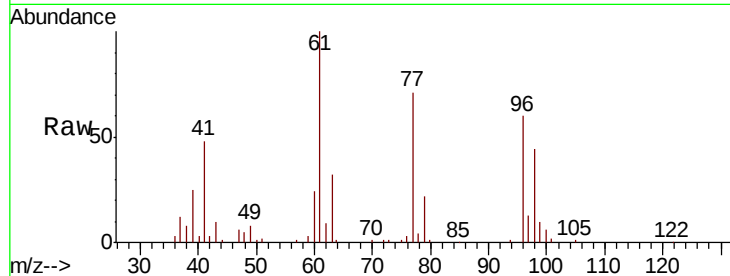


#27

cis-1,2-Dichloroethene
Concen: 22.626 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

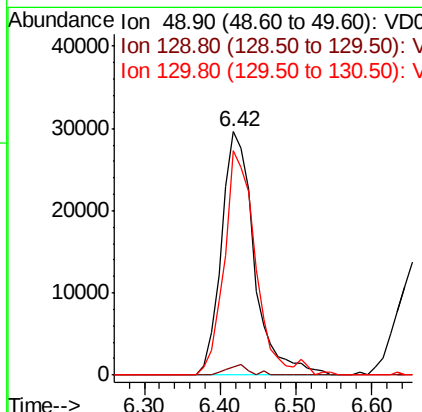
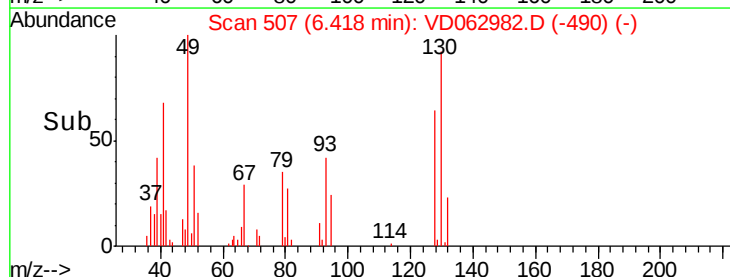
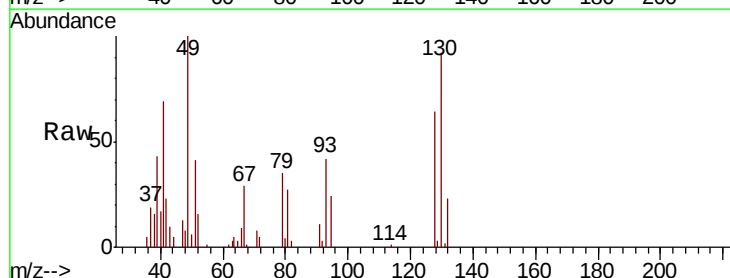
Tot Ion: 96 Resp: 146492
Ion Ratio Lower Upper
96 100
61 167.2 0.0 316.0
98 73.0 0.0 138.4

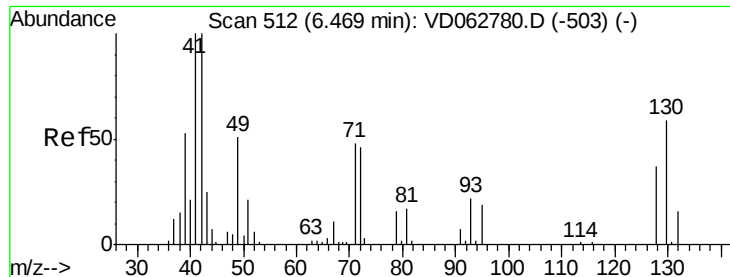


#28

Bromochloromethane
Concen: 22.398 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 49 Resp: 88747
Ion Ratio Lower Upper
49 100
129 3.4 0.0 5.6
130 92.1 76.6 114.8





#29

Tetrahydrofuran

Concen: 114.367 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

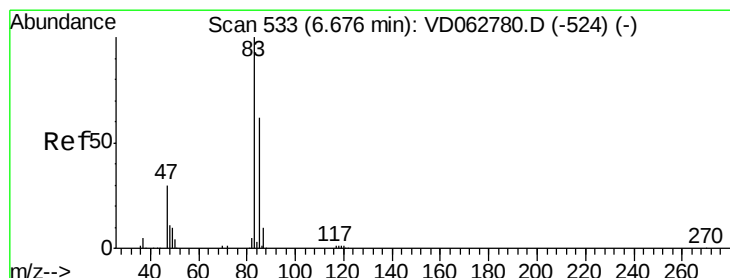
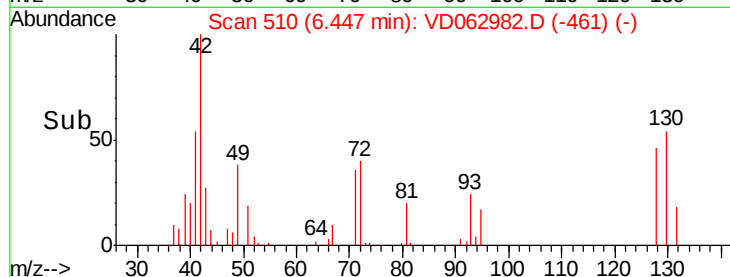
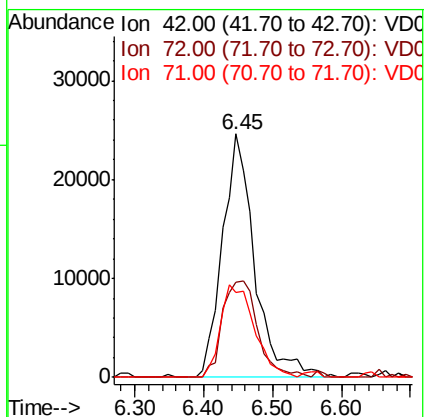
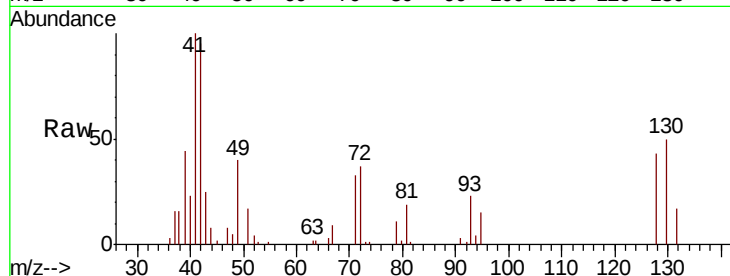
Tot Ion: 42 Resp: 79704

Ion Ratio Lower Upper

42 100

72 43.4 35.0 52.6

71 39.8 33.3 49.9



#30

Chloroform

Concen: 23.945 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: VD062982.D

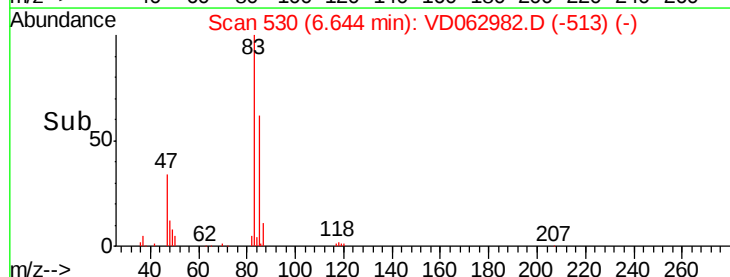
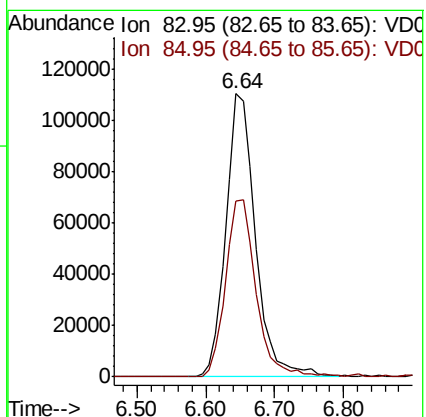
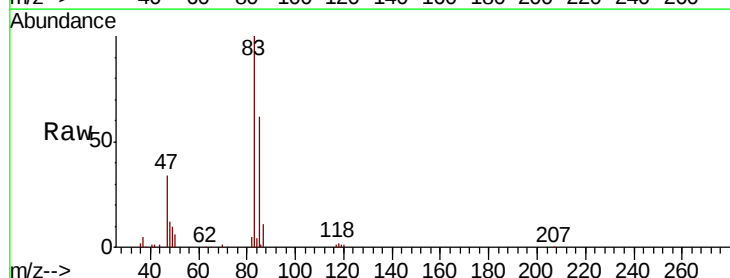
Acq: 1 Jul 2019 11:28

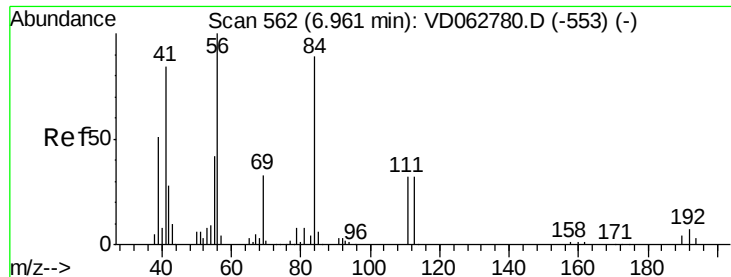
Tgt Ion: 83 Resp: 327600

Ion Ratio Lower Upper

83 100

85 62.4 49.8 74.6

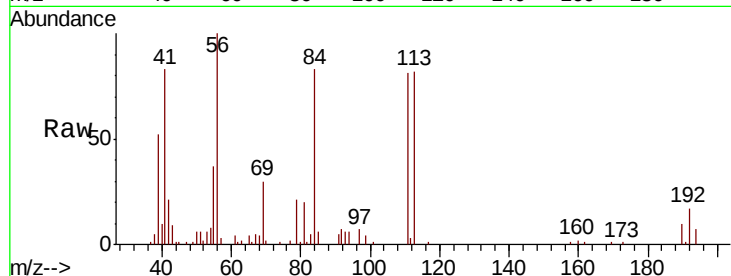




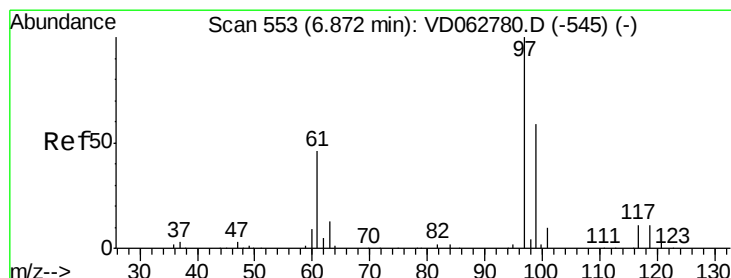
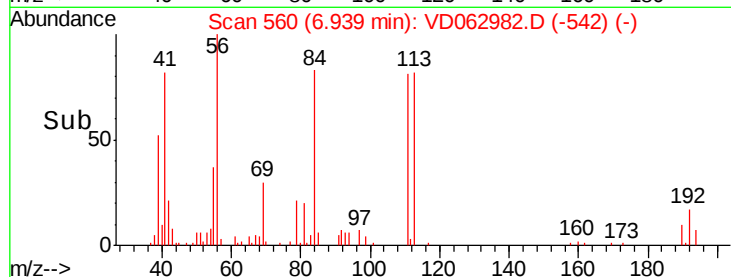
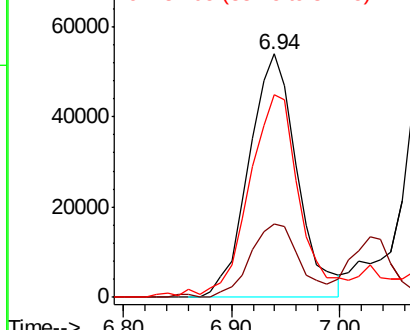
#31
Cyclohexane
Concen: 22.517 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 166526
Ion Ratio Lower Upper
56 100
69 29.9 26.6 39.8
84 83.4 75.5 113.3

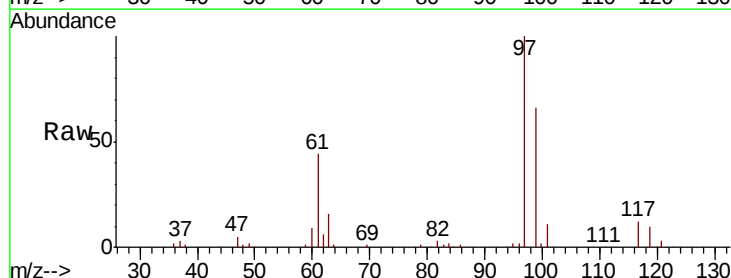


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

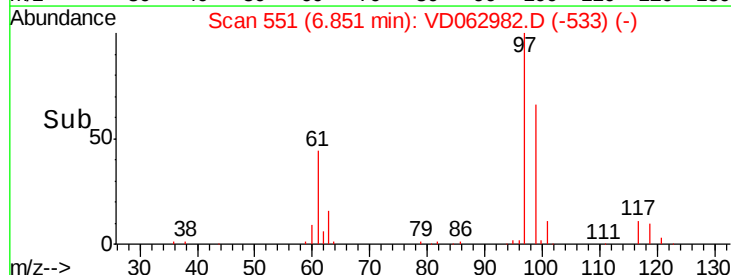
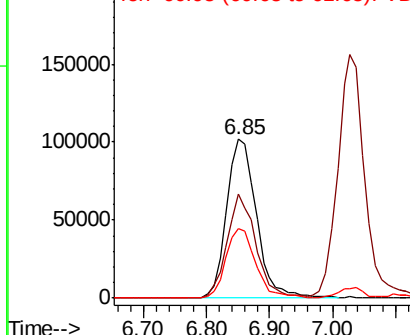


#32
1,1,1-Trichloroethane
Concen: 23.377 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 97 Resp: 333126
Ion Ratio Lower Upper
97 100
99 65.8 47.4 71.2
61 43.5 37.2 55.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

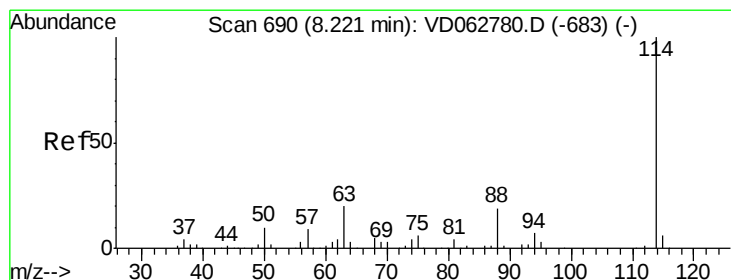
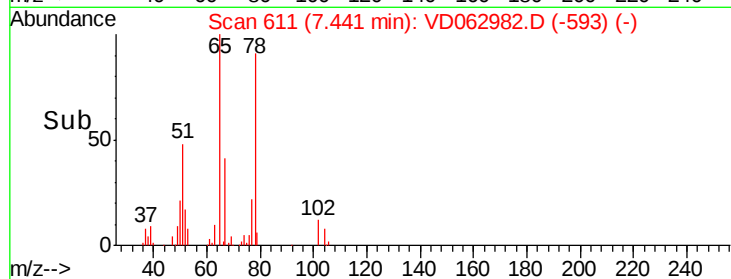
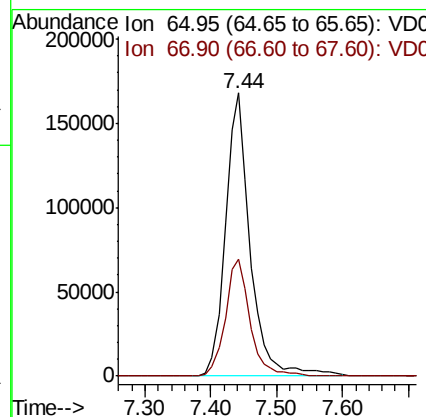
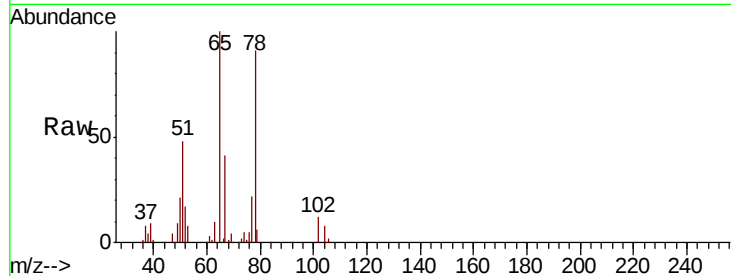




#33
 1,2-Dichloroethane-d4
 Concen: 55.422 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

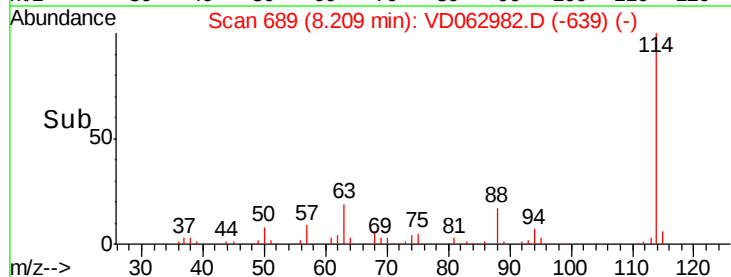
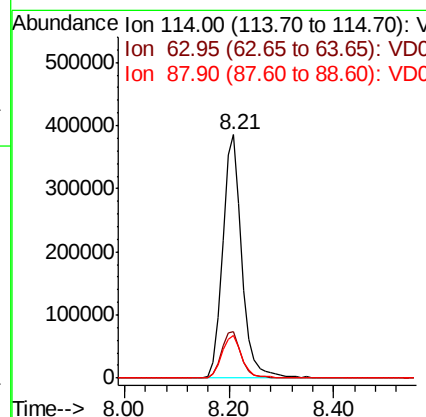
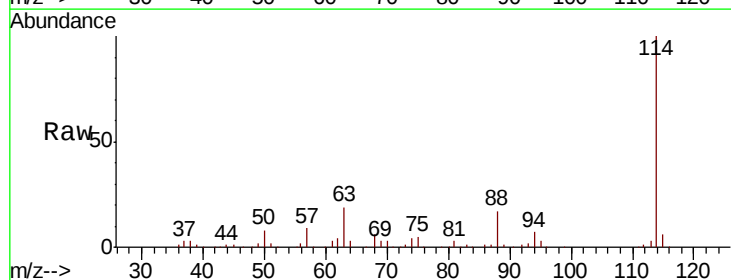
Instrument :
 MSVOA_D
 ClientSampleId :

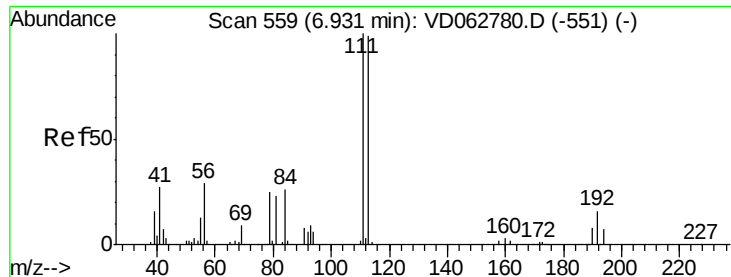
Tot Ion: 65 Resp: 436481
 Ion Ratio Lower Upper
 65 100
 67 41.4 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 114 Resp: 973822
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 17.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 53.470 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

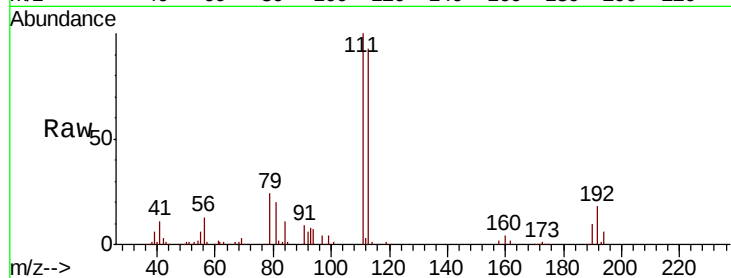
Tot Ion:113 Resp: 439058

Ion Ratio Lower Upper

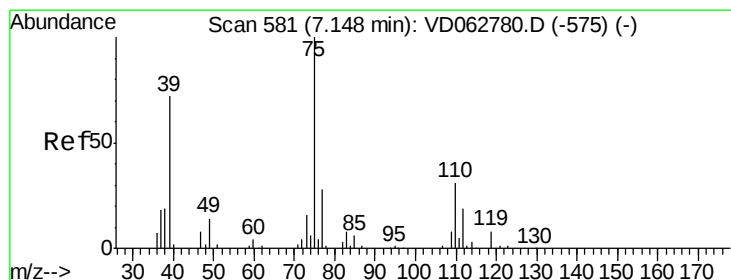
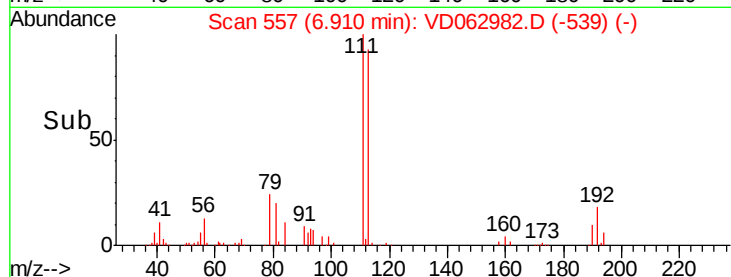
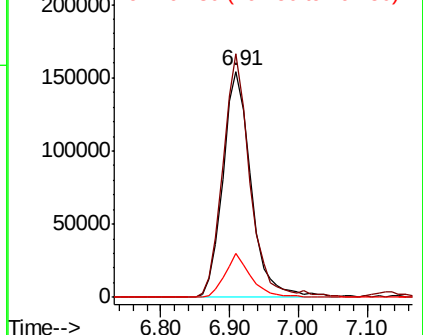
113 100

111 107.8 81.2 121.8

192 19.4 12.9 19.3#



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



#36

1,1-Dichloropropene

Concen: 22.812 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

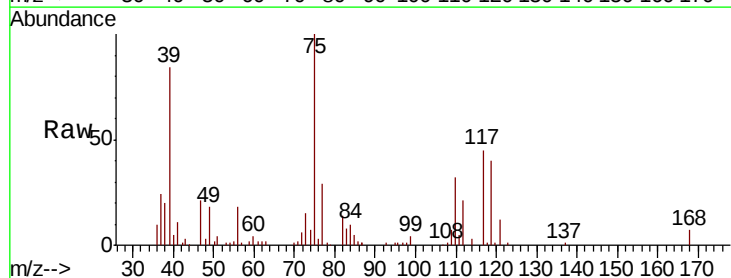
Tgt Ion: 75 Resp: 210292

Ion Ratio Lower Upper

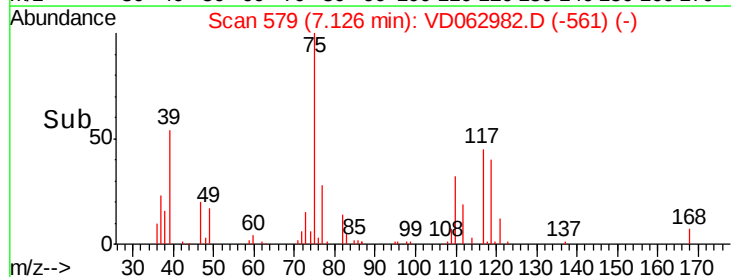
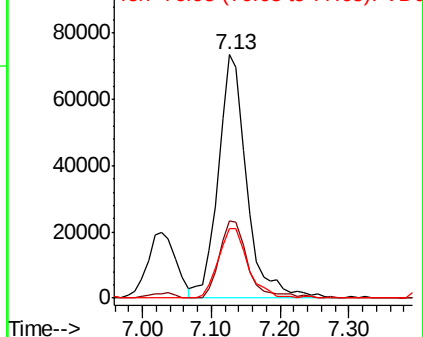
75 100

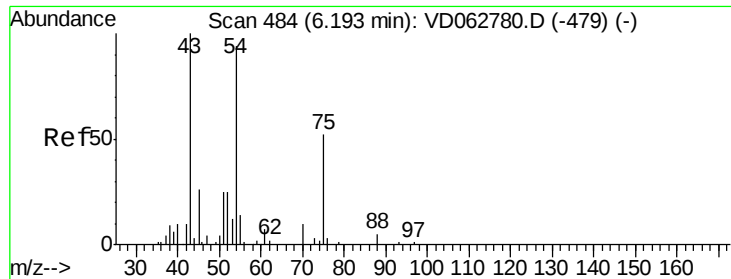
110 31.8 15.0 45.1

77 28.7 22.2 33.2



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

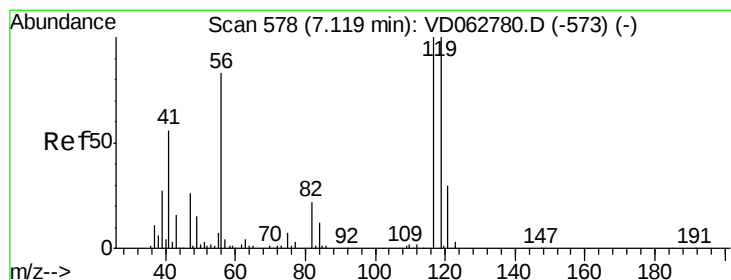
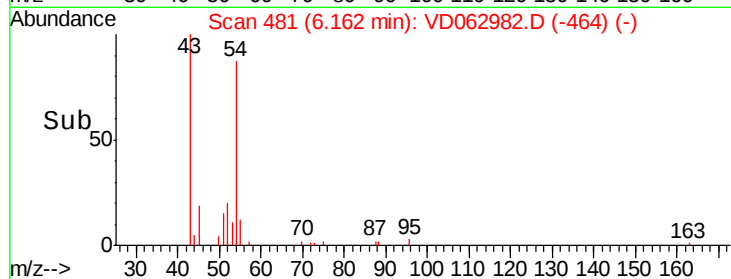
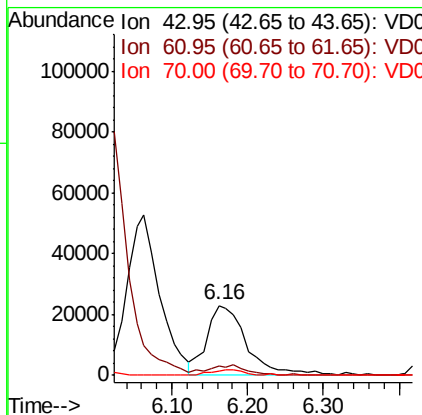
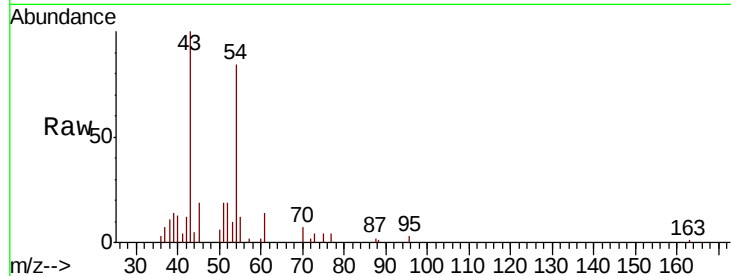




#37
Ethyl Acetate
Concen: 21.176 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

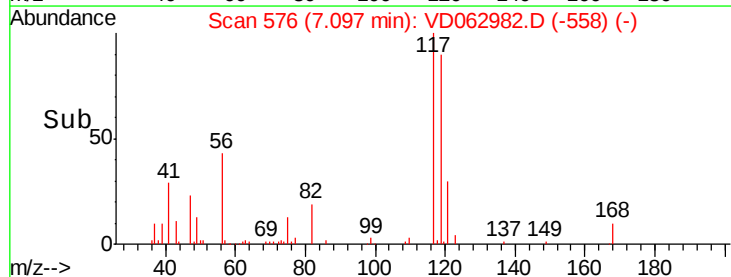
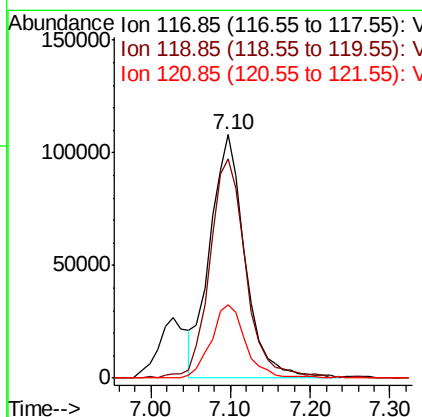
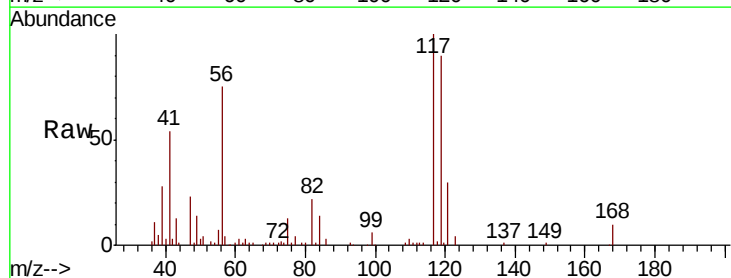
Instrument :
MSVOA_D
ClientSampled :

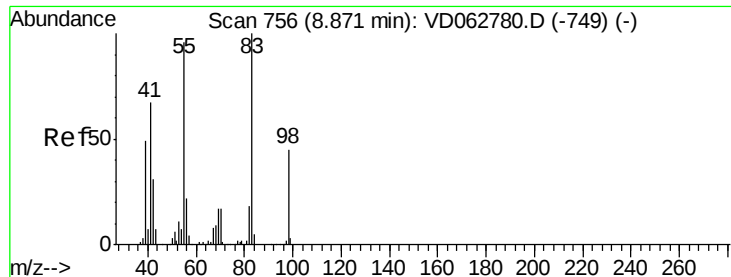
Tot Ion: 43 Resp: 84462
Ion Ratio Lower Upper
43 100
61 14.2 11.6 17.4
70 6.8 6.4 9.6



#38
Carbon Tetrachloride
Concen: 24.013 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 117 Resp: 332923
Ion Ratio Lower Upper
117 100
119 90.3 75.4 113.2
121 30.0 22.3 33.5

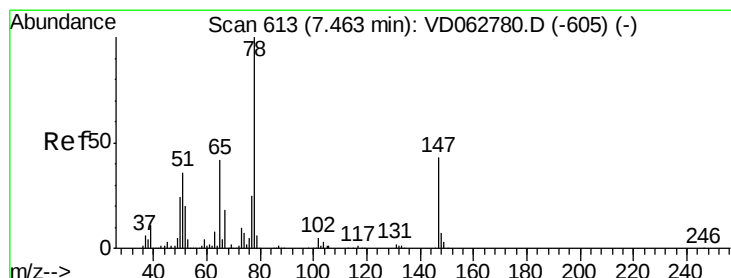
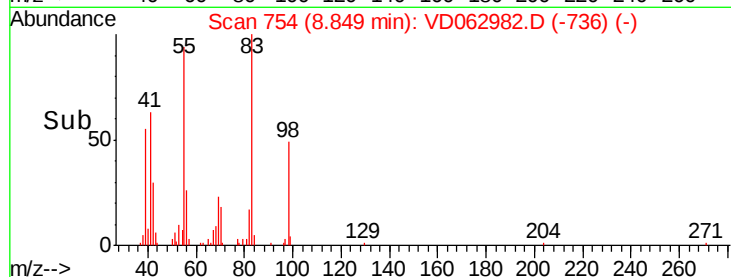
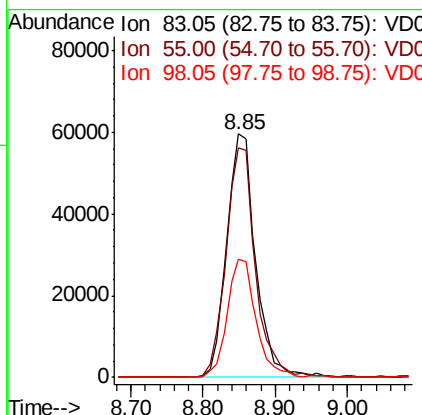
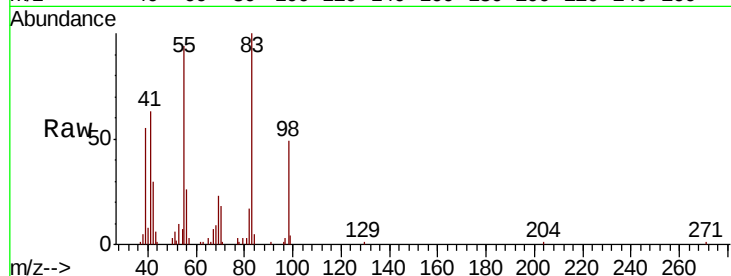




#39
Methvlcvclohexane
Concen: 20.420 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

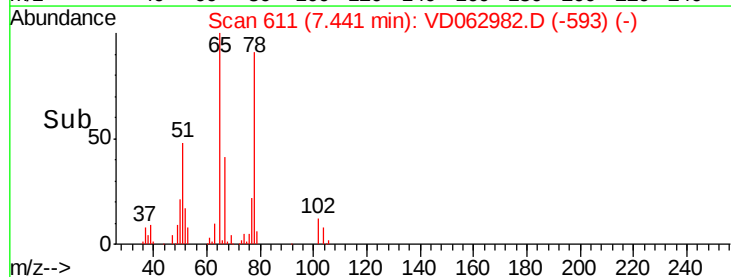
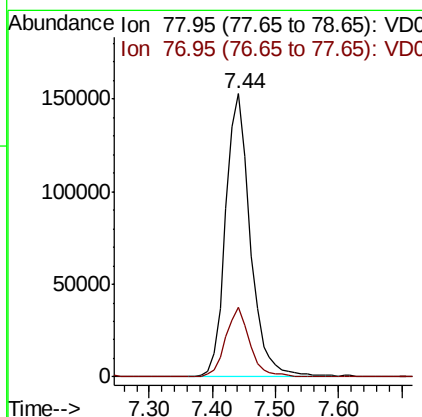
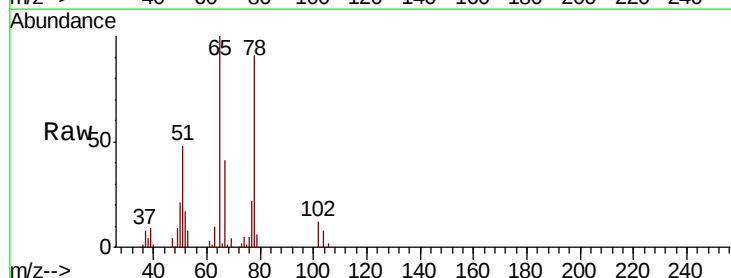
Instrument :
MSVOA_D
ClientSampleId :

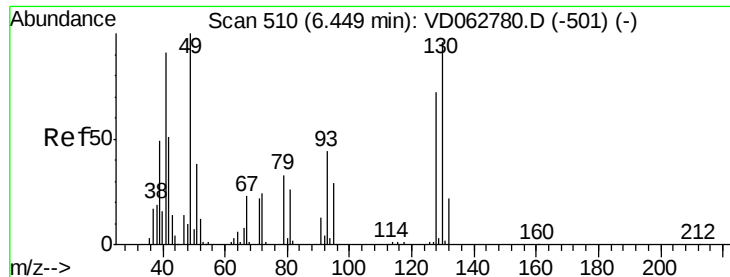
Tot Ion: 83 Resp: 165698
Ion Ratio Lower Upper
83 100
55 94.0 76.6 115.0
98 48.5 35.7 53.5



#40
Benzene
Concen: 22.437 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 78 Resp: 415194
Ion Ratio Lower Upper
78 100
77 24.4 20.2 30.2





#41

Methacrylonitrile

Concen: 21.456 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 104309

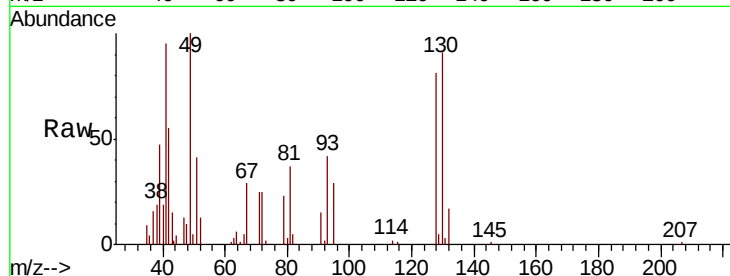
Ion Ratio Lower Upper

41 100

39 49.8 43.2 64.8

67 30.4 19.9 29.9#

52 13.7 10.2 15.4



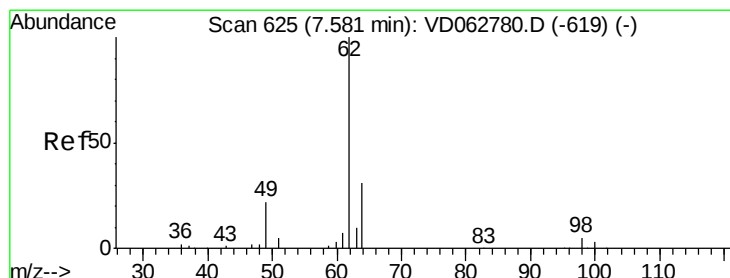
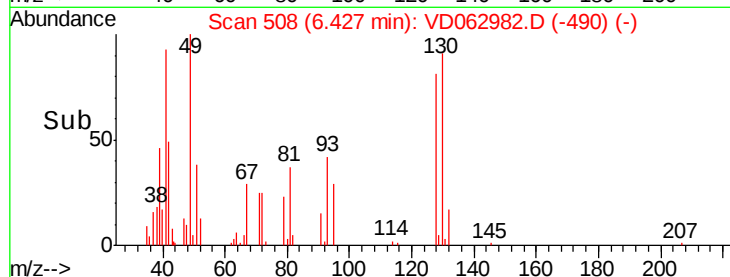
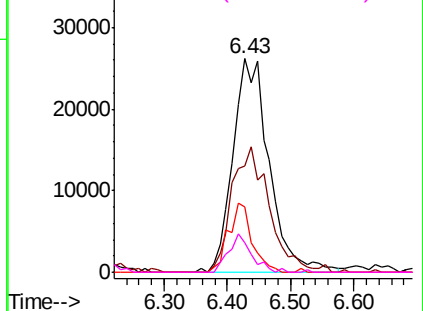
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.940 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.02 min

Lab File: VD062982.D

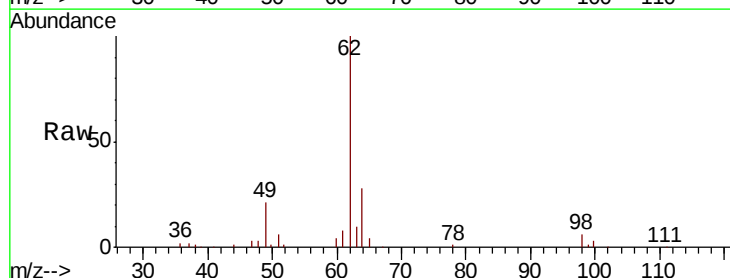
Acq: 1 Jul 2019 11:28

Tgt Ion: 62 Resp: 231570

Ion Ratio Lower Upper

62 100

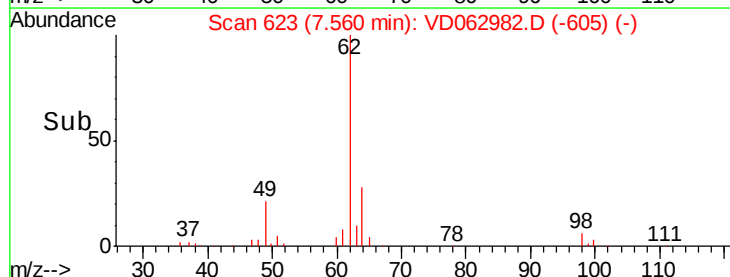
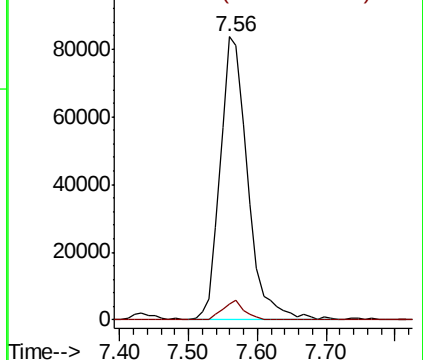
98 5.7 0.0 10.0



Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



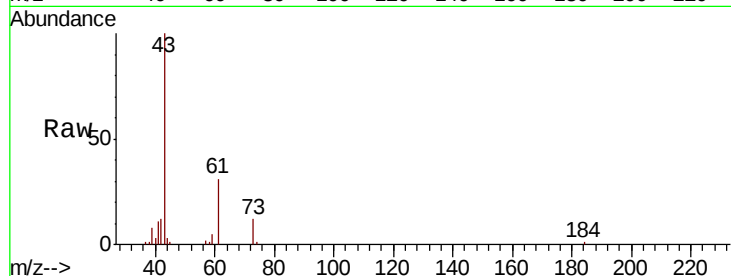


#43

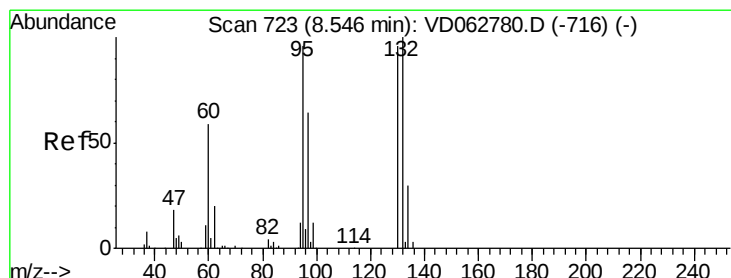
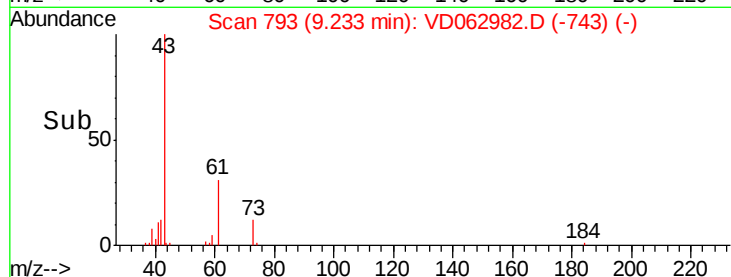
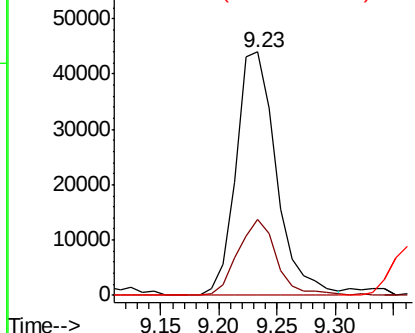
Isopropyl Acetate
 Concen: 21.808 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 105398
 Ion Ratio Lower Upper
 43 100
 61 31.4 22.4 33.6
 87 0.0 0.3 0.5#



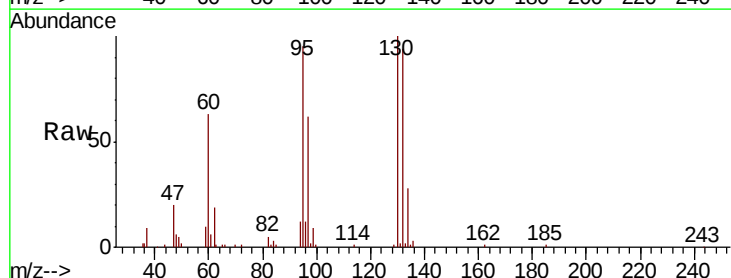
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



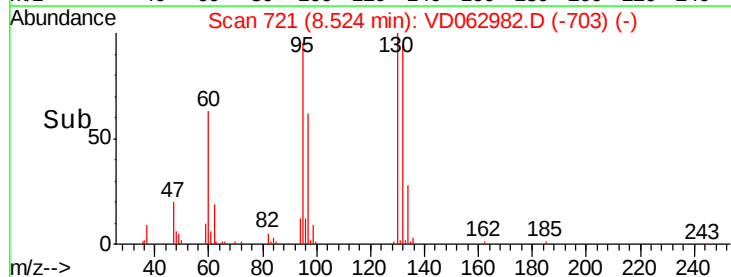
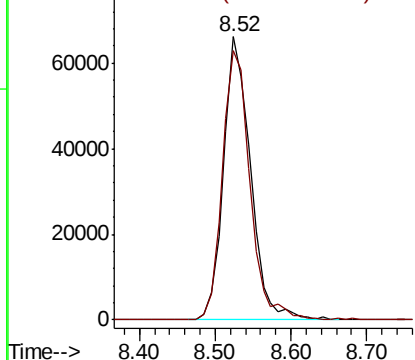
#44

Trichloroethene
 Concen: 22.423 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion:130 Resp: 162668
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 22.201 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

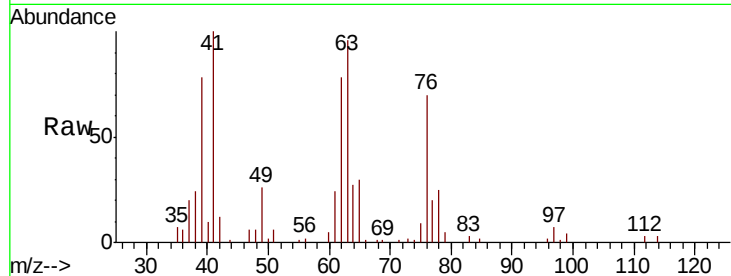
ClientSampleId :

Tot Ion: 63 Resp: 102153

Ion Ratio Lower Upper

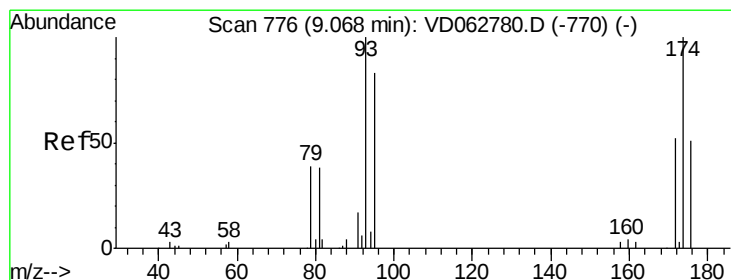
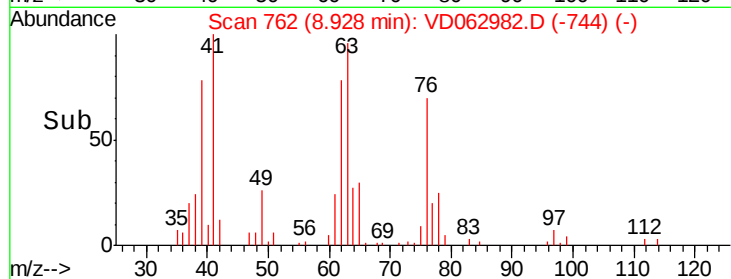
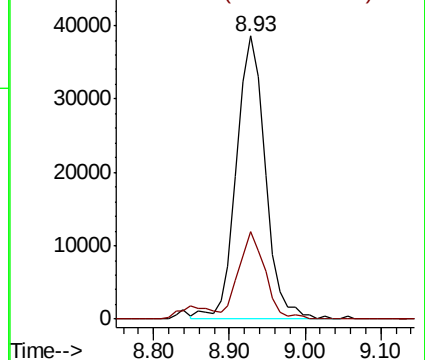
63 100

65 31.1 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.022 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

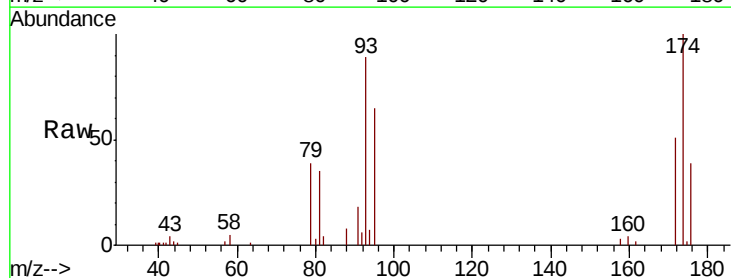
Tgt Ion: 93 Resp: 87044

Ion Ratio Lower Upper

93 100

95 72.8 66.6 100.0

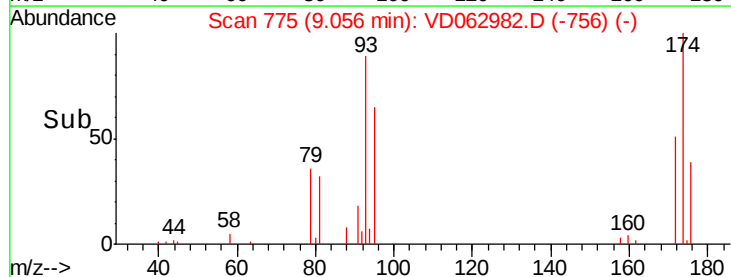
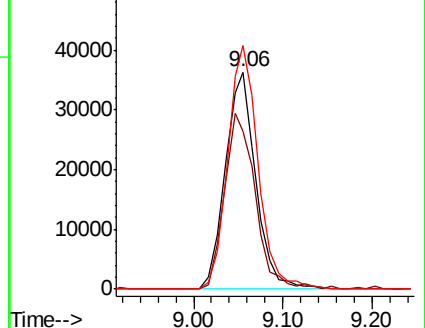
174 112.3 79.7 119.5



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: 22.343 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

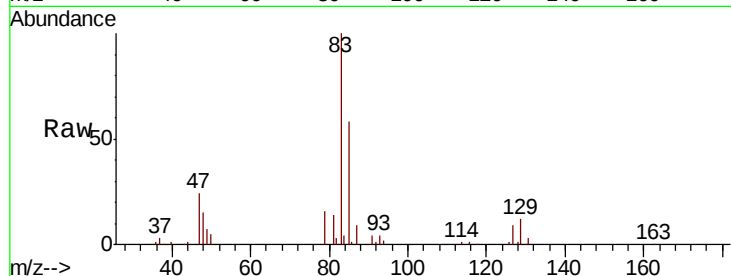
Tot Ion: 83 Resp: 229360

Ion Ratio Lower Upper

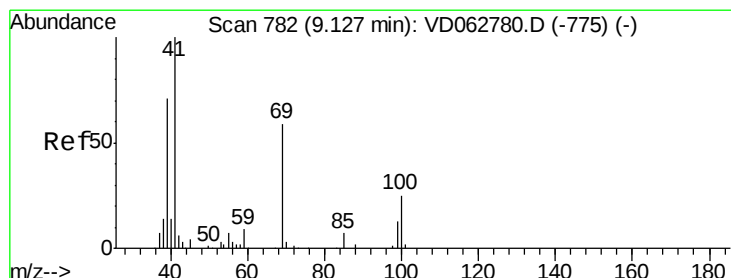
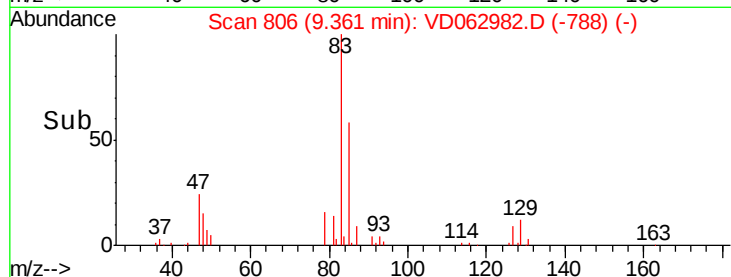
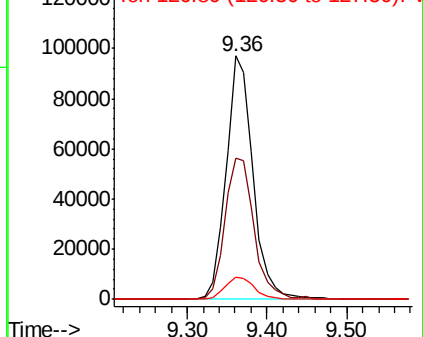
83 100

85 58.1 51.6 77.4

127 9.2 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: 21.809 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

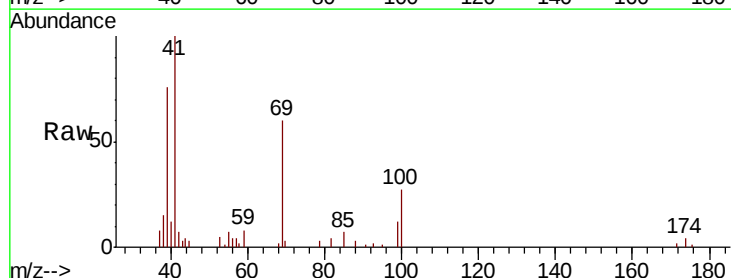
Tgt Ion: 41 Resp: 74904

Ion Ratio Lower Upper

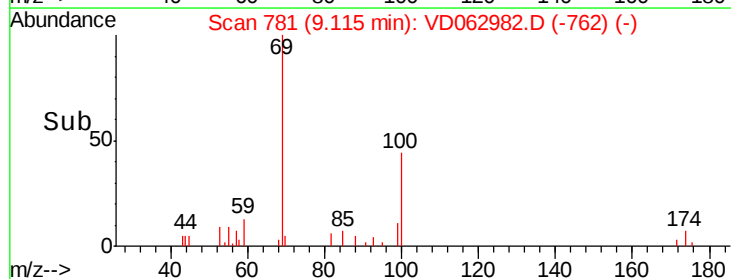
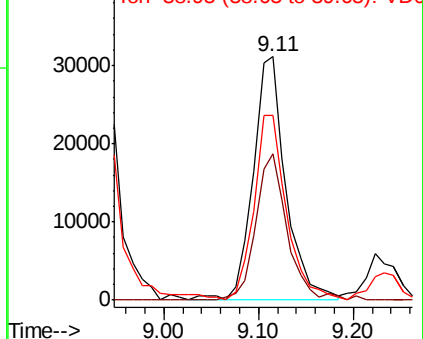
41 100

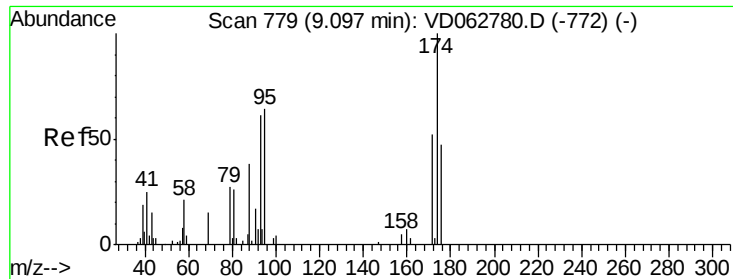
69 63.2 47.2 70.8

39 75.9 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

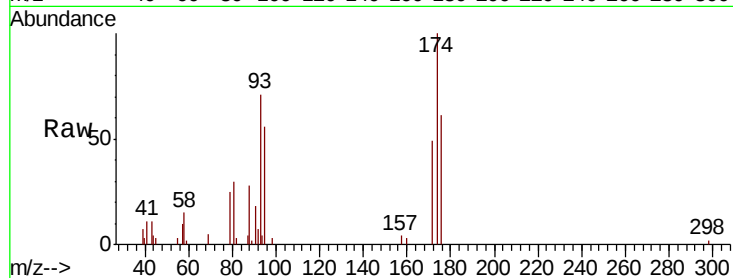




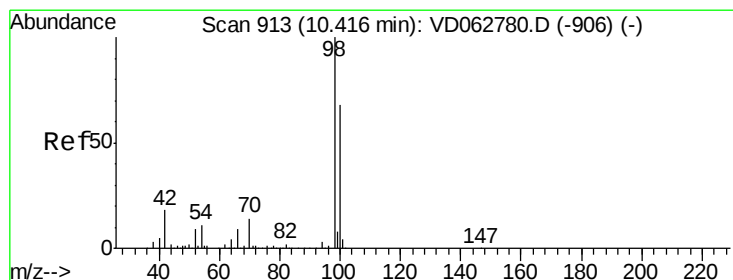
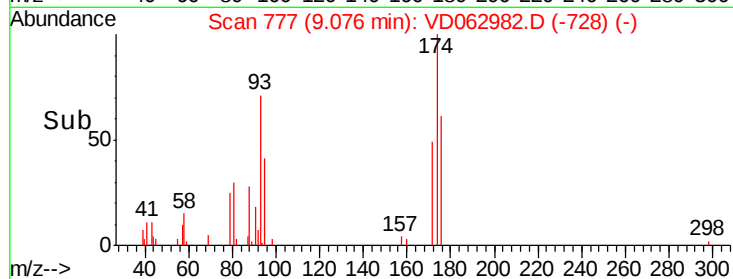
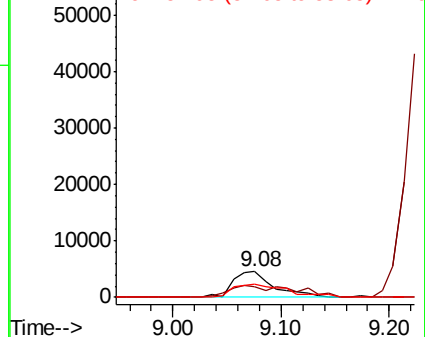
#49
1,4-Dioxane
Concen: 426.371 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12183
Ion Ratio Lower Upper
88 100
43 40.4 32.1 48.1
58 52.4 44.1 66.1

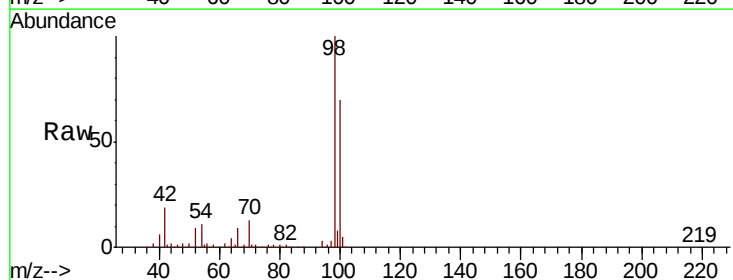


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

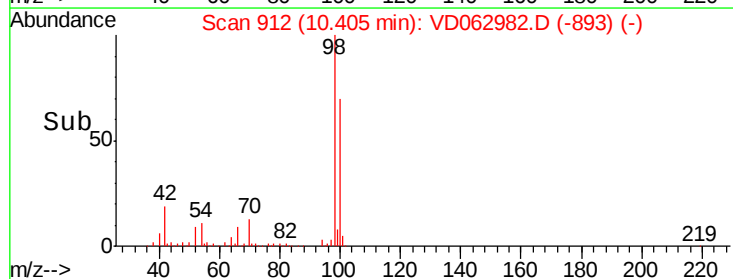
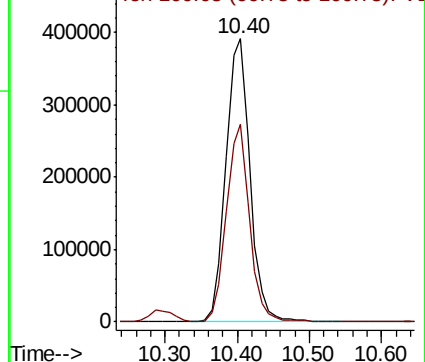


#50
Toluene-d8
Concen: 50.571 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 98 Resp: 903783
Ion Ratio Lower Upper
98 100
100 70.0 54.7 82.1



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

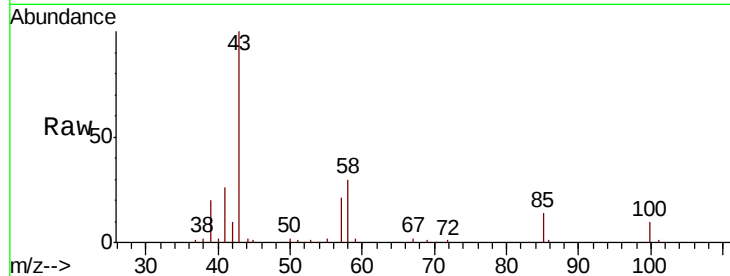




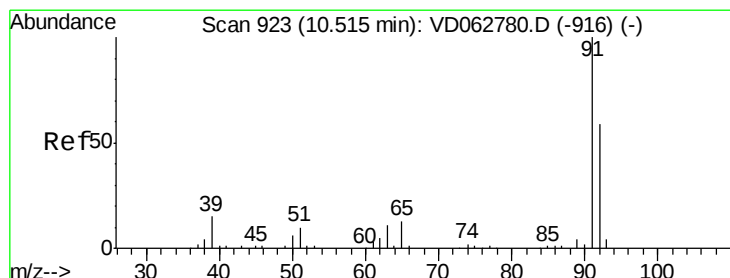
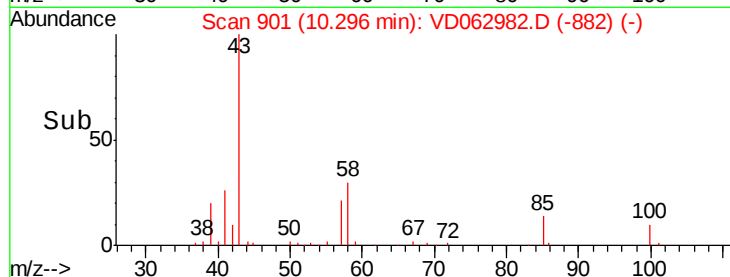
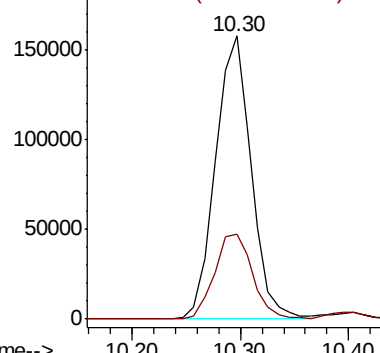
#51
4-Methyl-2-Pentanone
Concen: 105.907 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 362899
Ion Ratio Lower Upper
43 100
58 30.0 26.6 40.0

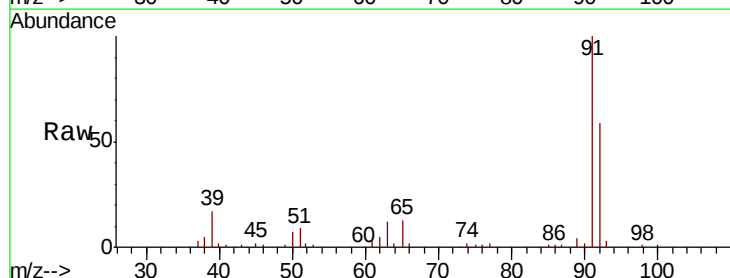


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

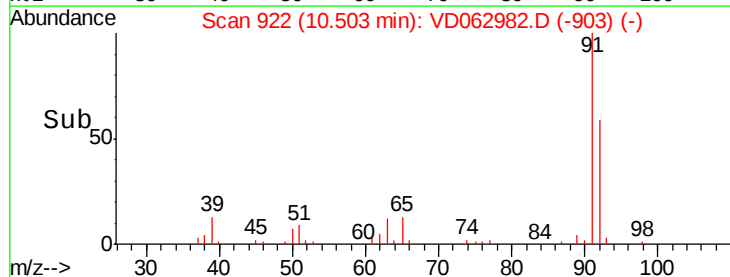
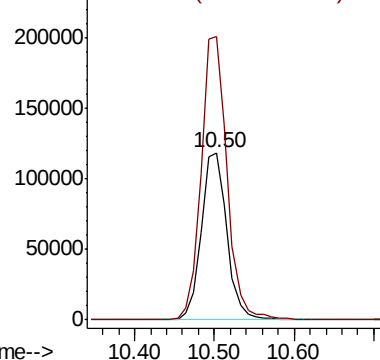


#52
Toluene
Concen: 21.593 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 92 Resp: 268586
Ion Ratio Lower Upper
92 100
91 168.9 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

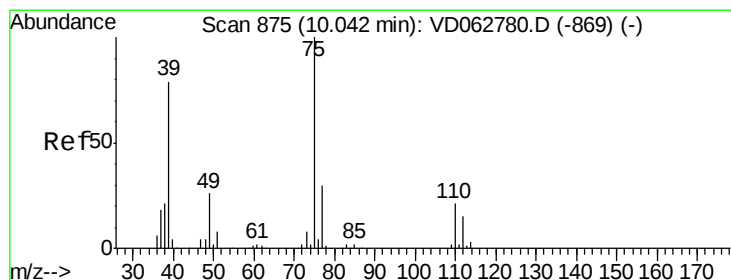
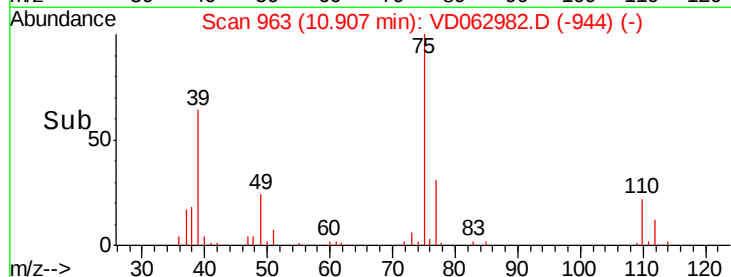
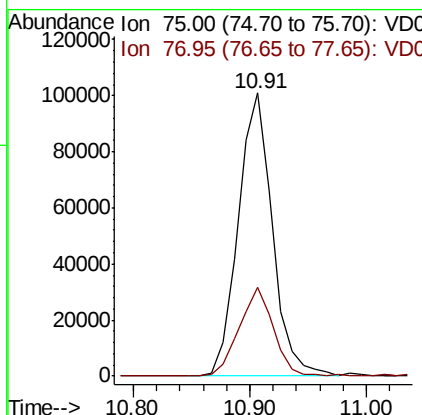
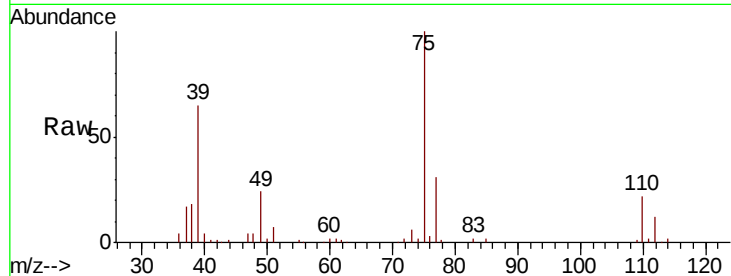




#53
 t-1,3-Dichloropropene
 Concen: 24.290 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

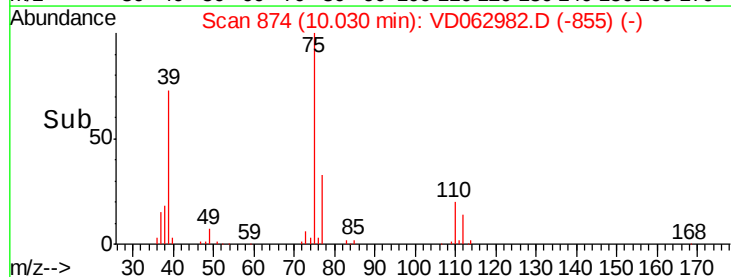
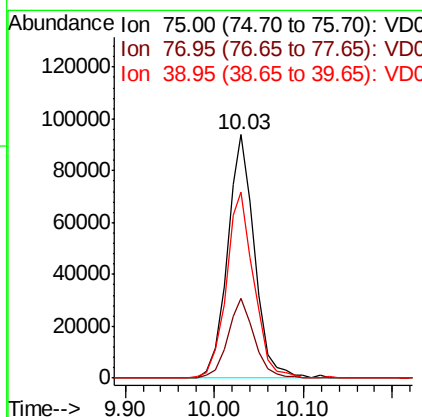
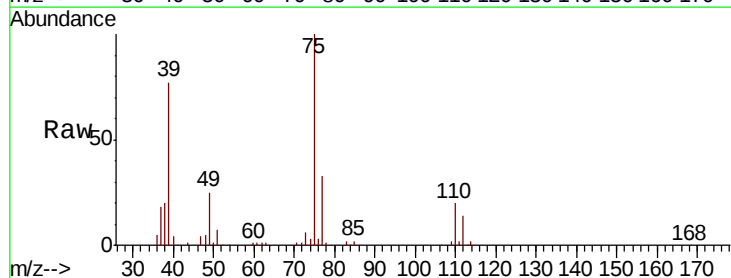
Instrument :
 MSVOA_D
 ClientSampled :

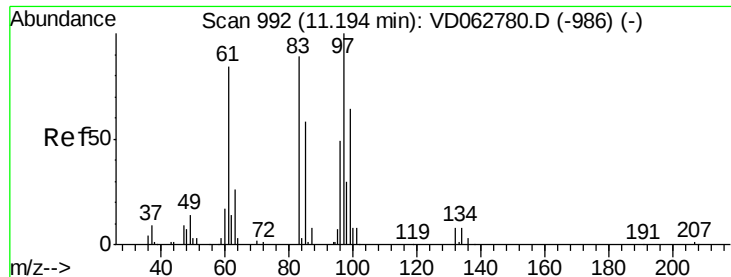
Tot Ion: 75 Resp: 204079
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.880 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 75 Resp: 199815
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.2 36.2
 39 76.5 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 21.522 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 91975

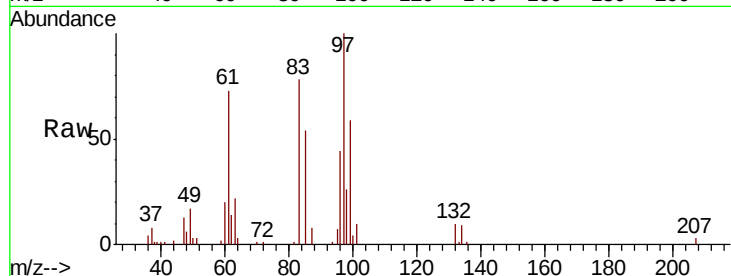
Ion Ratio Lower Upper

97 100

83 78.1 71.0 106.4

85 54.5 46.6 69.8

99 58.9 51.4 77.0

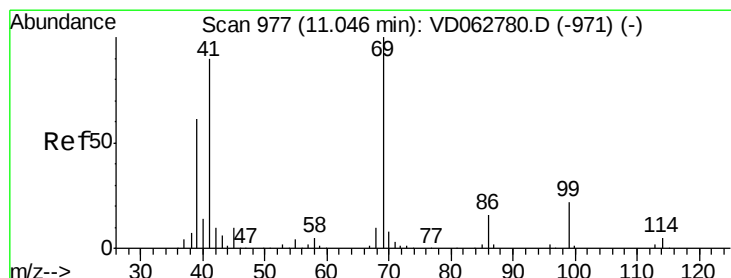
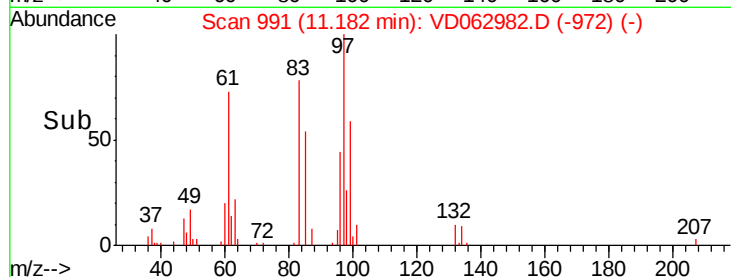
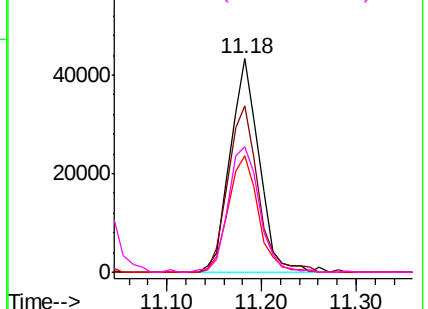


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.432 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

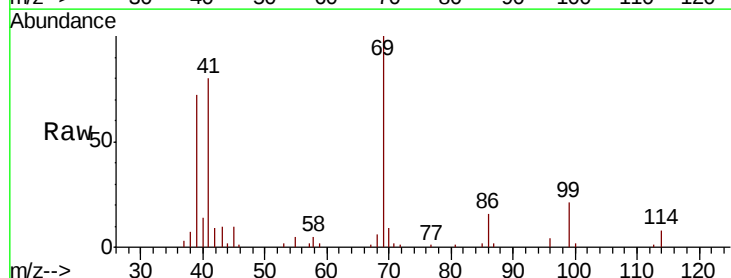
Tgt Ion: 69 Resp: 97880

Ion Ratio Lower Upper

69 100

41 80.4 72.0 108.0

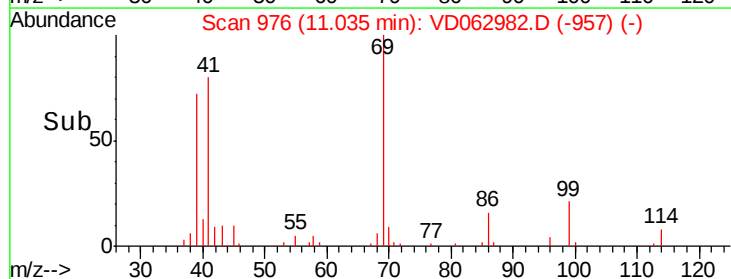
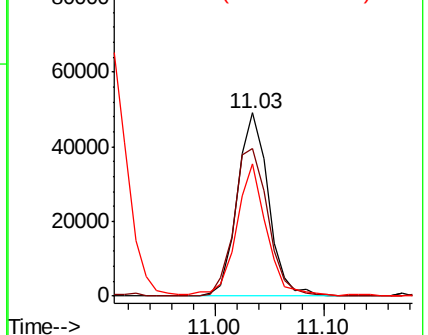
39 72.1 49.5 74.3

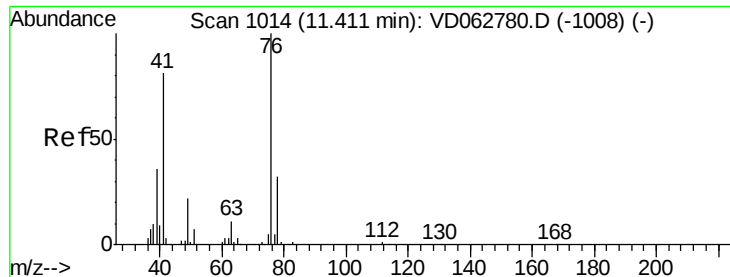


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

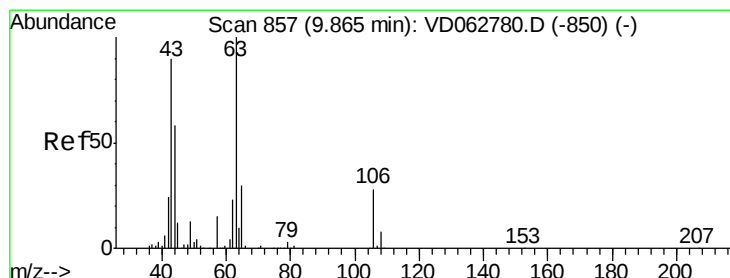
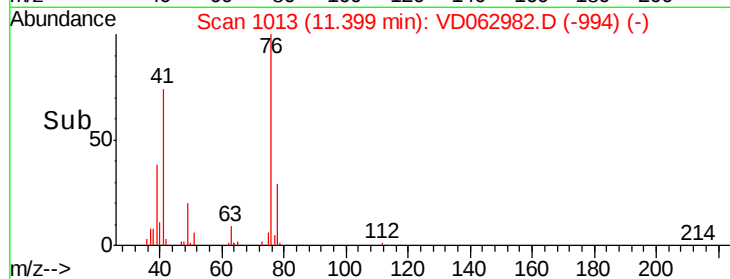
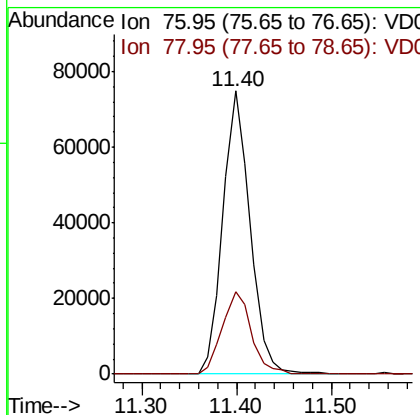
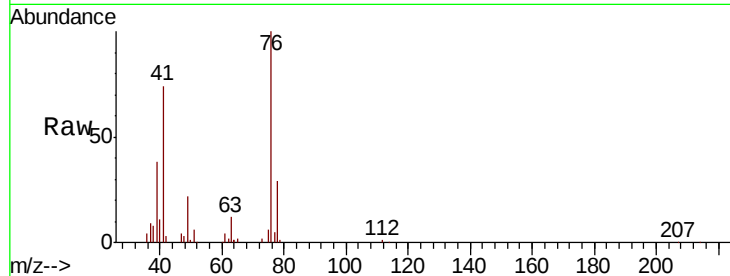




#57
 1,3-Dichloropropane
 Concen: 22.726 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

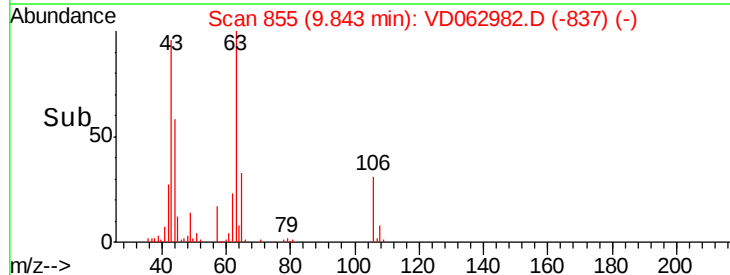
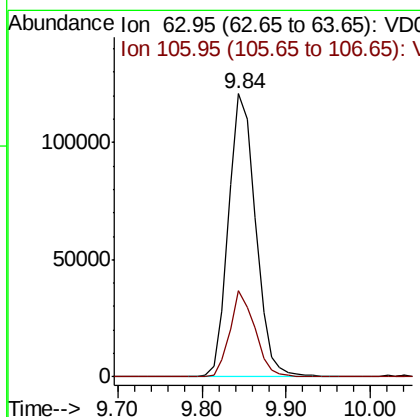
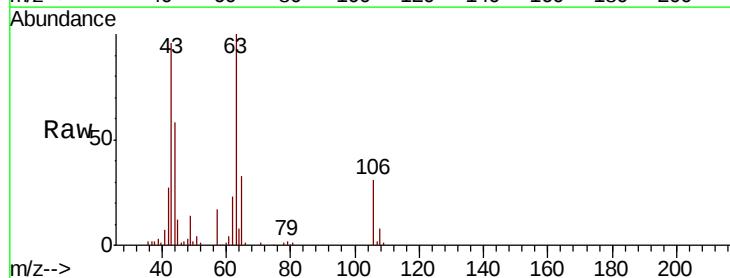
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 148703
 Ion Ratio Lower Upper
 76 100
 78 29.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.712 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 63 Resp: 271303
 Ion Ratio Lower Upper
 63 100
 106 30.6 22.1 33.1

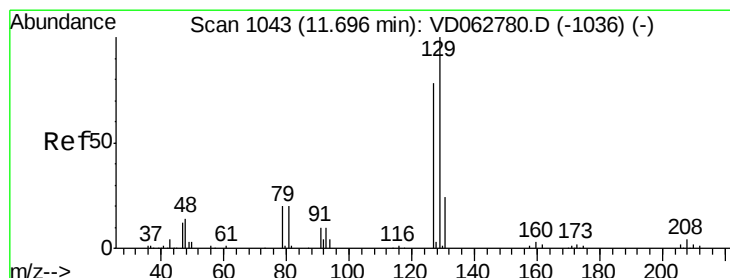
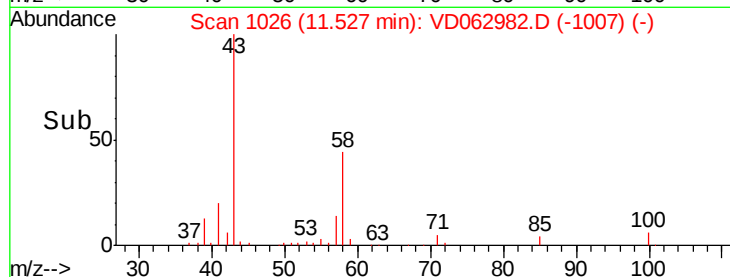
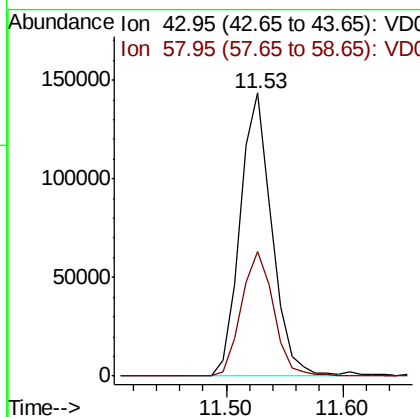
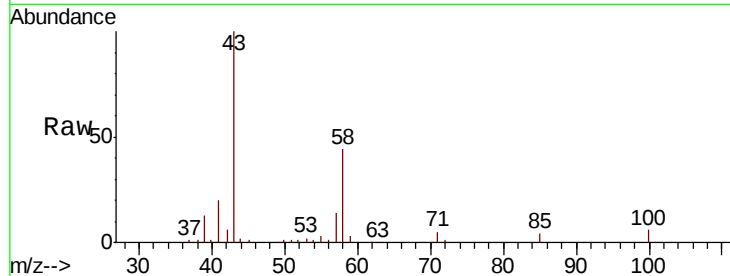




#59
2-Hexanone
Concen: 110.521 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

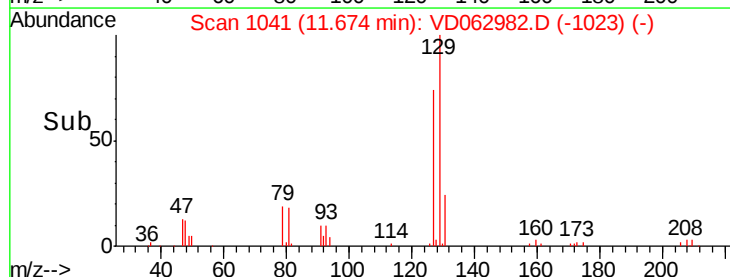
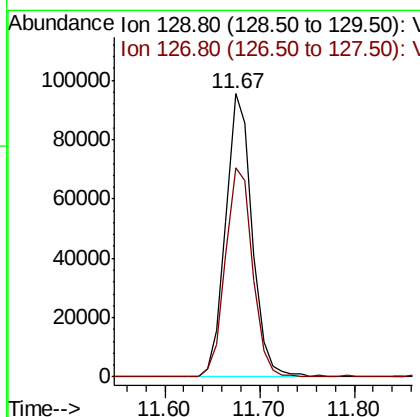
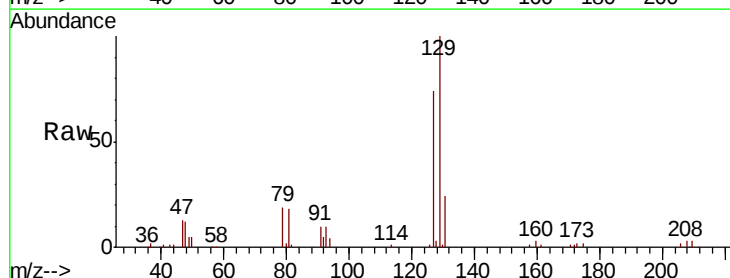
Instrument :
MSVOA_D
ClientSampleId :

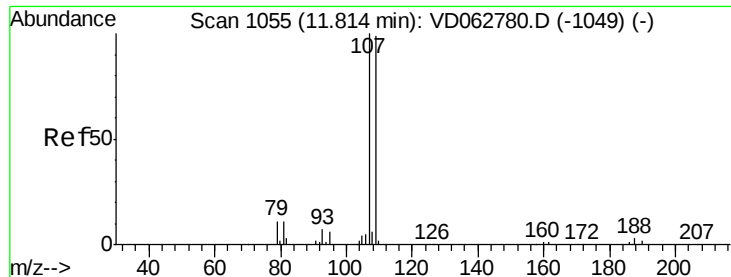
Tot Ion: 43 Resp: 269712
Ion Ratio Lower Upper
43 100
58 43.9 22.4 67.2



#60
Dibromochloromethane
Concen: 23.180 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 129 Resp: 184509
Ion Ratio Lower Upper
129 100
127 74.0 38.9 116.6

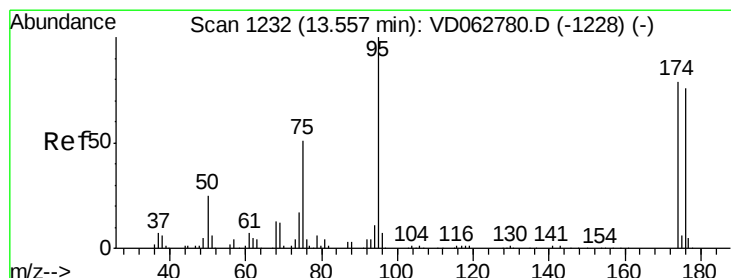
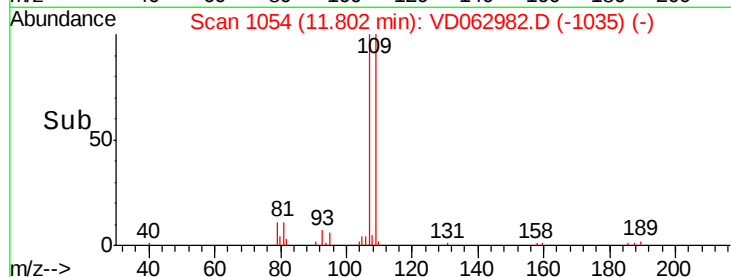
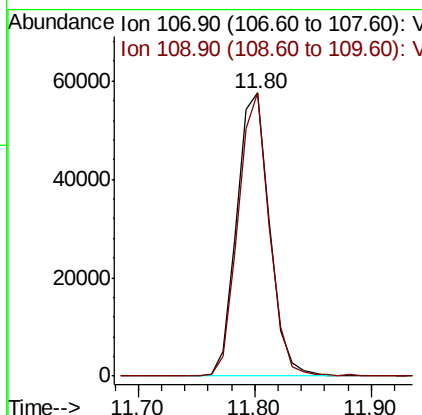
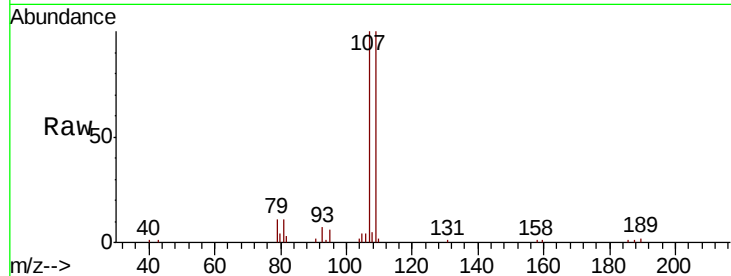




#61
 1,2-Dibromoethane
 Concen: 22.271 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

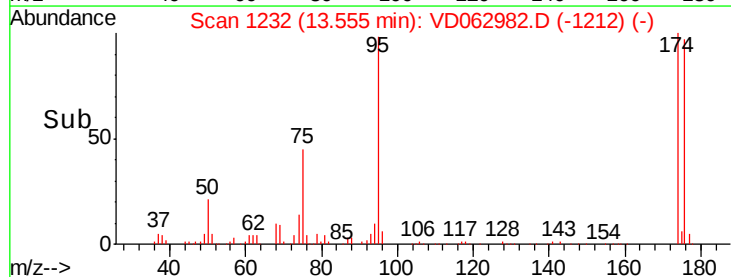
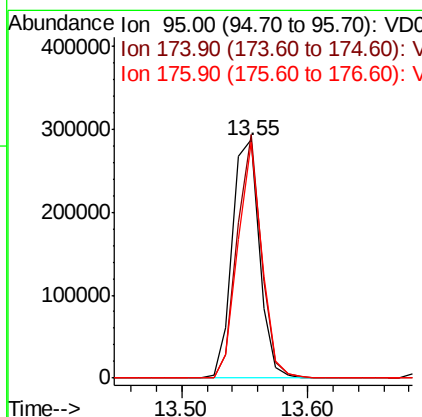
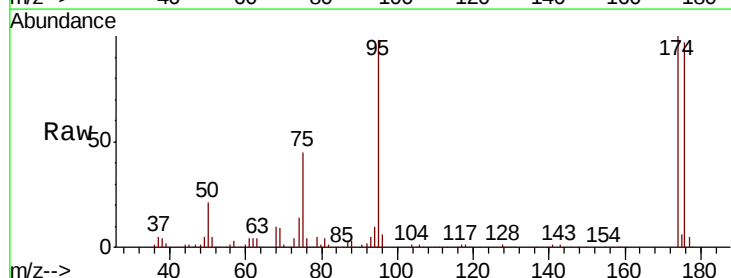
Instrument :
 MSVOA_D
 ClientSampleId :

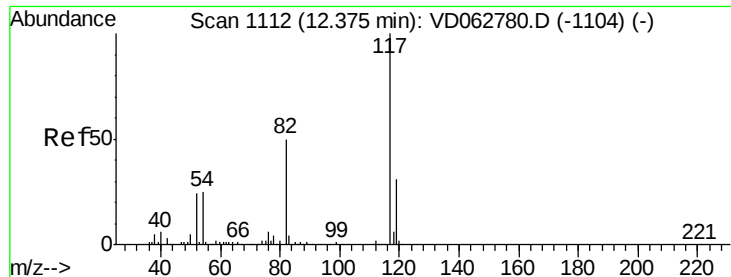
Tot Ion:107 Resp: 112408
 Ion Ratio Lower Upper
 107 100
 109 99.9 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 52.429 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 95 Resp: 426050
 Ion Ratio Lower Upper
 95 100
 174 102.3 0.0 158.0
 176 99.1 0.0 151.6

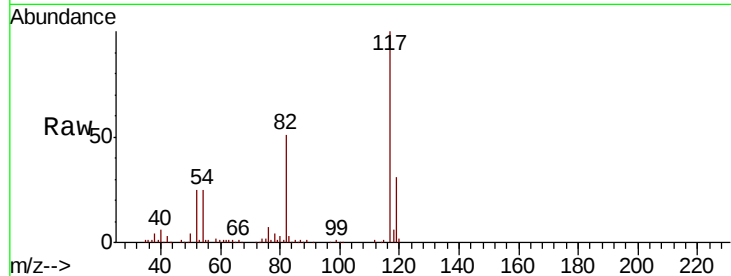




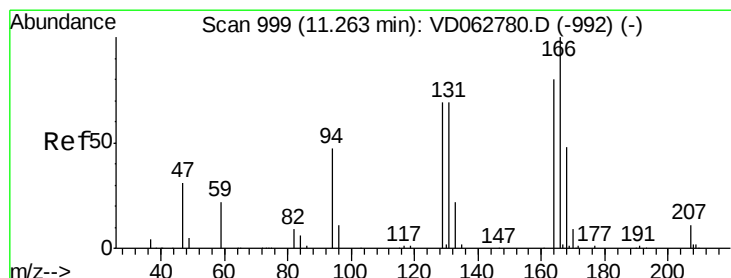
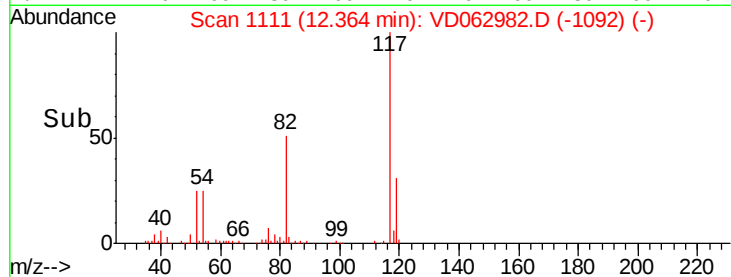
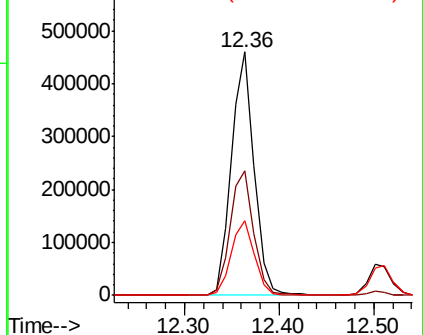
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 766305
Ion Ratio Lower Upper
117 100
82 51.3 40.4 60.6
119 30.6 25.2 37.8

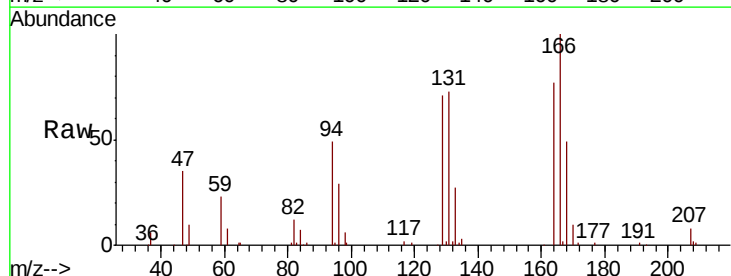


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

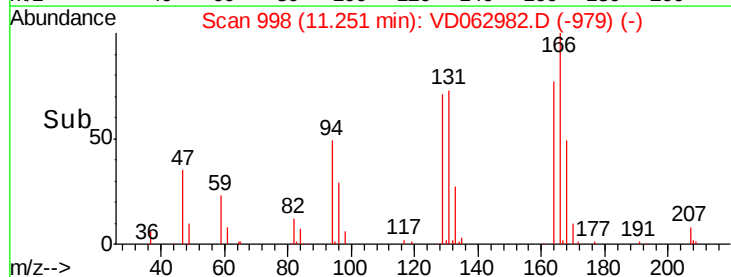
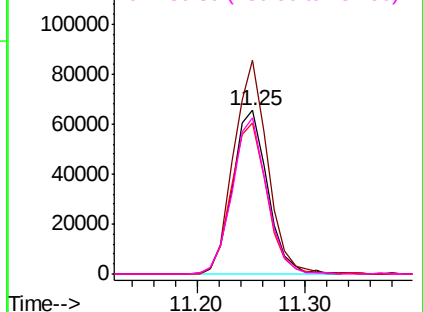


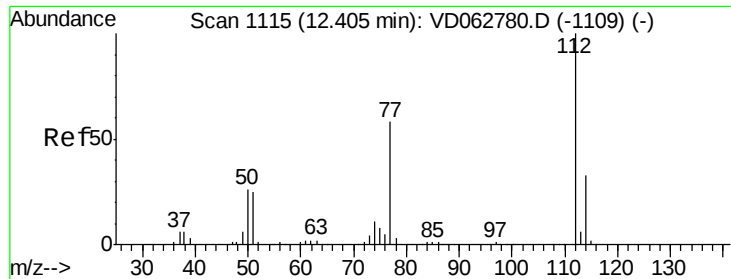
#64
Tetrachloroethene
Concen: 23.291 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion:164 Resp: 146891
Ion Ratio Lower Upper
164 100
166 130.7 100.6 150.8
129 92.2 69.4 104.0
131 95.5 69.3 103.9



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

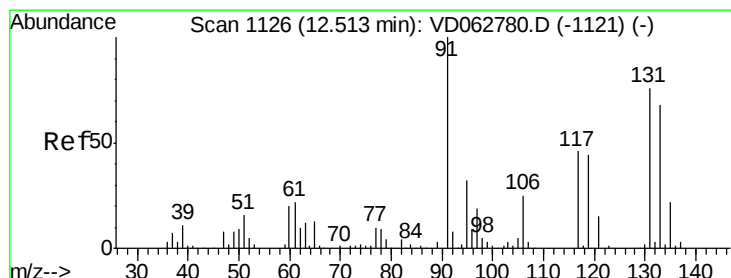
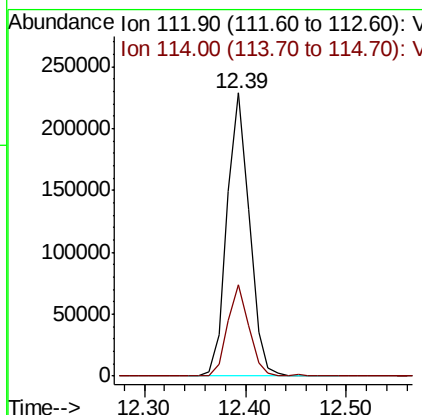
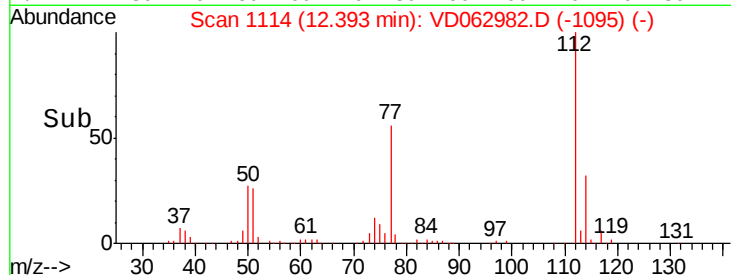
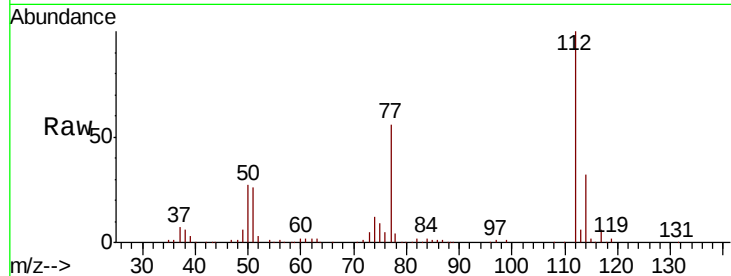




#65
Chlorobenzene
Concen: 24.779 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

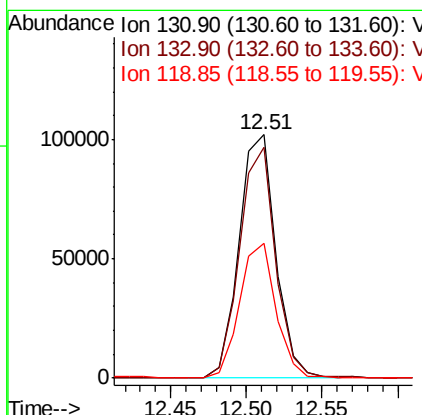
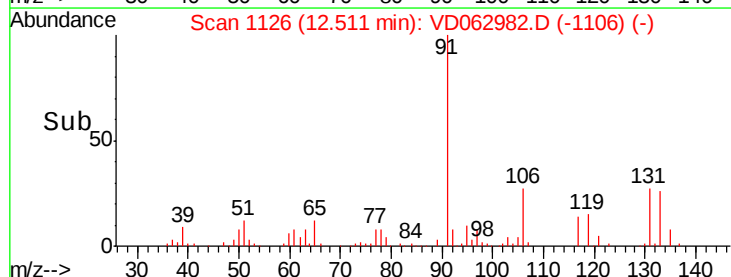
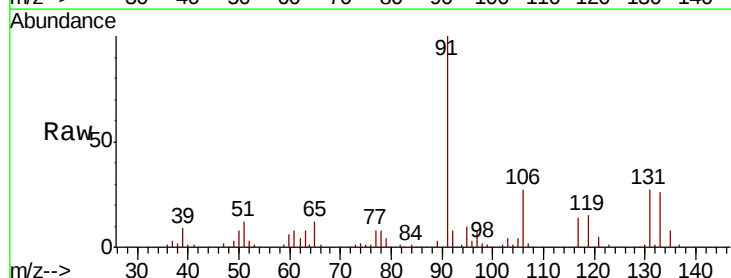
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 352400
Ion Ratio Lower Upper
112 100
114 32.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 25.729 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion:131 Resp: 171123
Ion Ratio Lower Upper
131 100
133 94.6 44.5 133.3
119 55.5 28.6 85.9

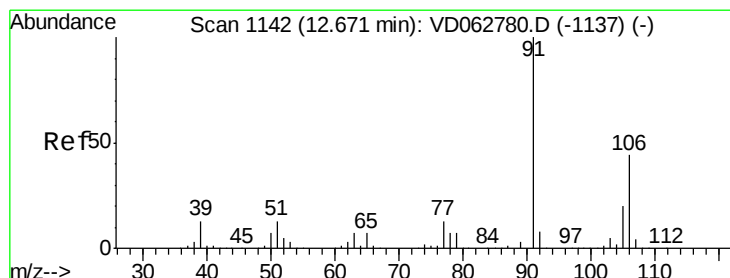
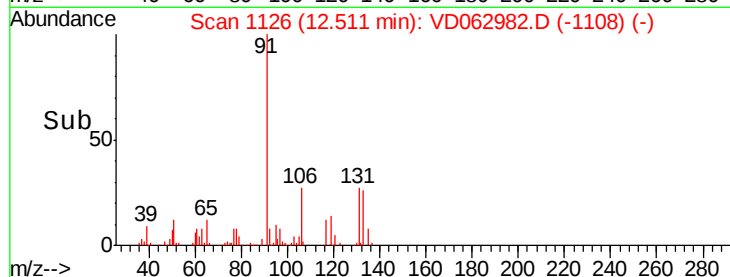
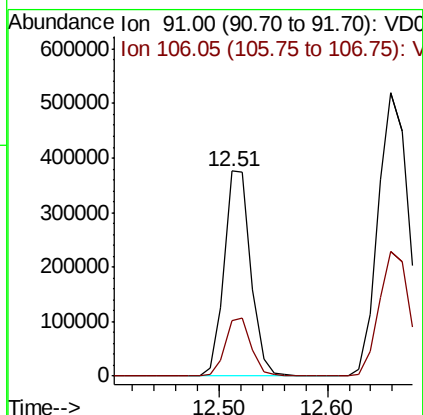
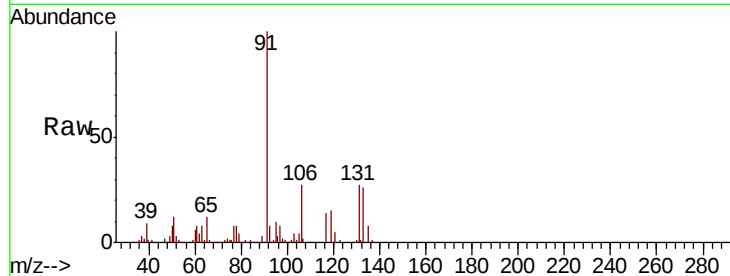




#67
Ethyl Benzene
Concen: 25.365 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

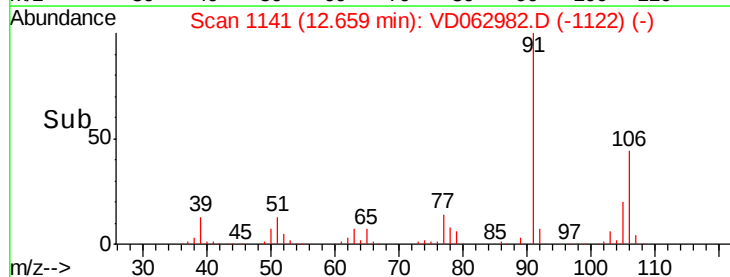
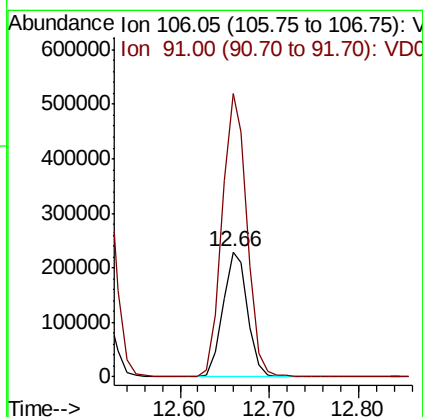
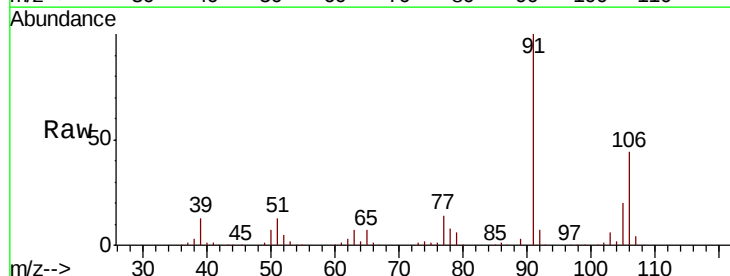
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 647665
Ion Ratio Lower Upper
91 100
106 27.4 23.1 34.7



#68
m/p-Xylenes
Concen: 50.065 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 106 Resp: 445233
Ion Ratio Lower Upper
106 100
91 226.1 183.0 274.6

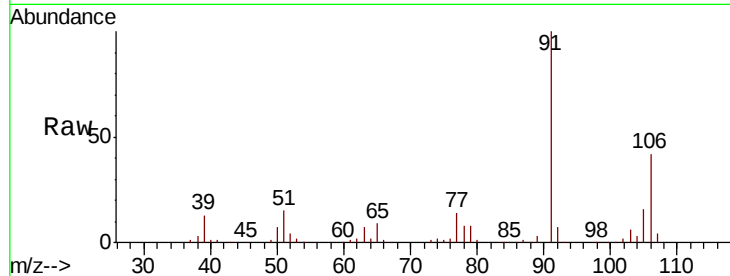




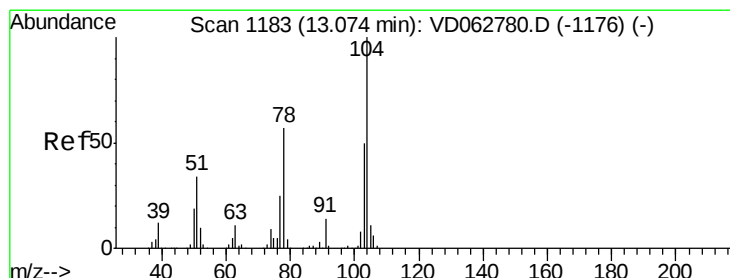
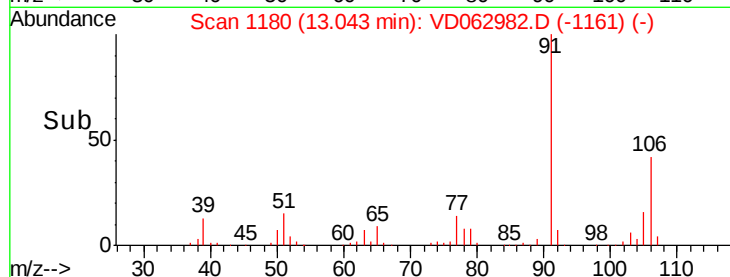
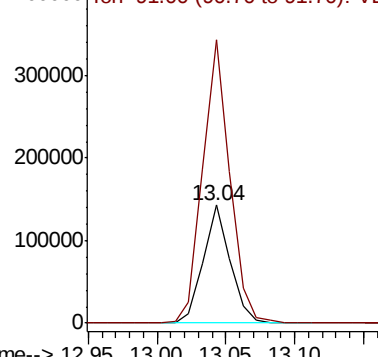
#69
o-Xylene
Concen: 23.914 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 194413
Ion Ratio Lower Upper
106 100
91 239.8 117.9 353.6

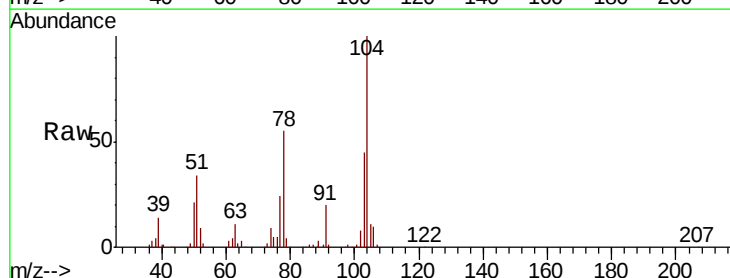


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

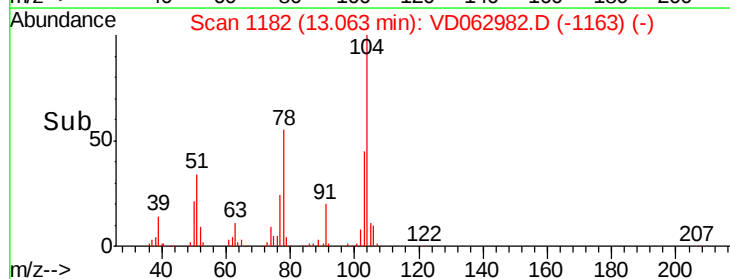
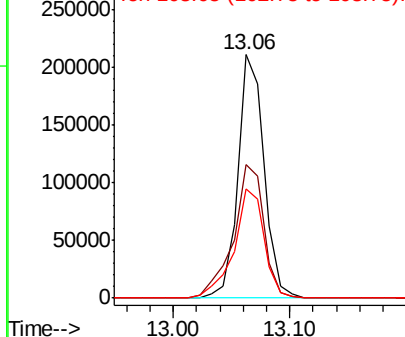


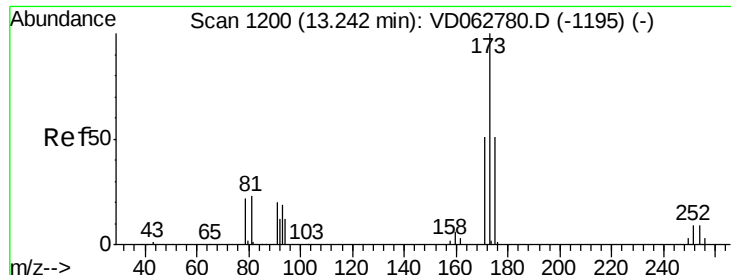
#70
Styrene
Concen: 22.914 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion:104 Resp: 327197
Ion Ratio Lower Upper
104 100
78 54.9 45.4 68.2
103 44.8 39.7 59.5



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

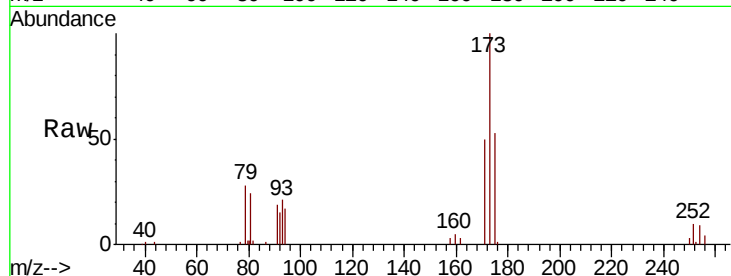




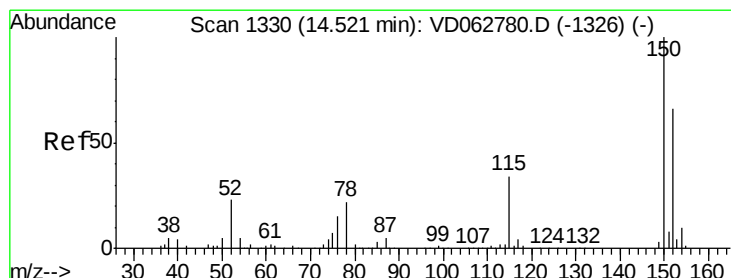
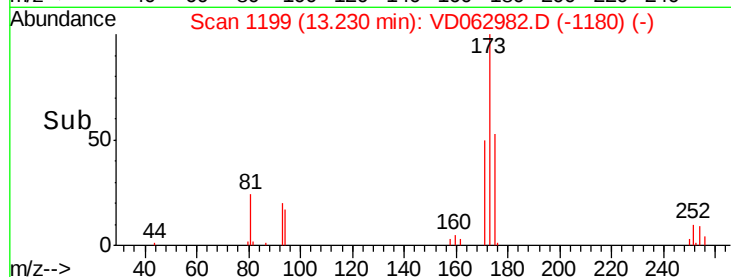
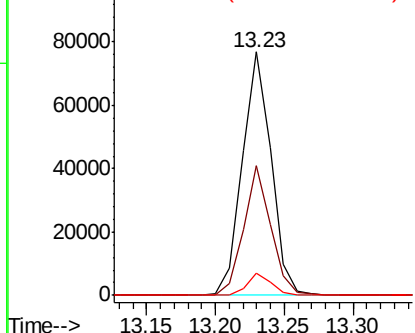
#71
 Bromoform
 Concen: 24.665 ug/l
 RT: 13.23 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:173 Resp: 112394
 Ion Ratio Lower Upper
 173 100
 175 53.0 25.3 75.9
 254 9.0 7.1 10.7

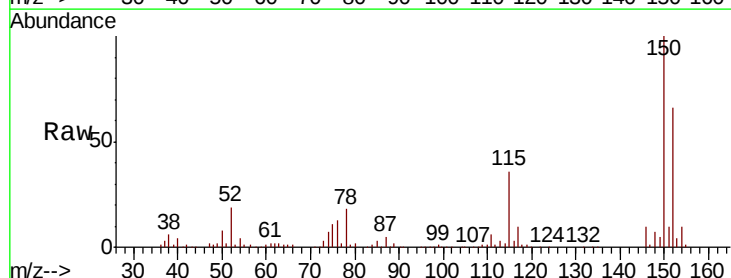


Abundance Ion 172.80 (172.50 to 173.50): V
 Ion 174.80 (174.50 to 175.50): V
 Ion 253.70 (253.40 to 254.40): V

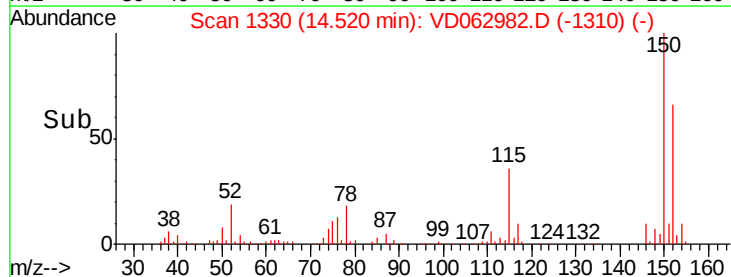
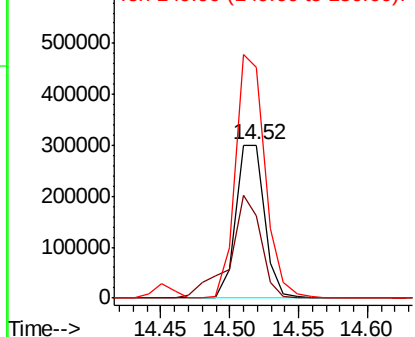


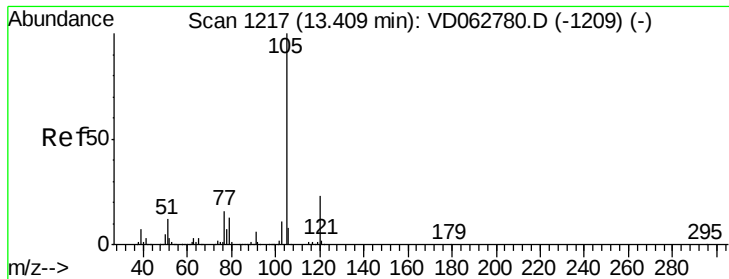
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion:152 Resp: 437455
 Ion Ratio Lower Upper
 152 100
 115 53.8 29.2 87.6
 150 150.5 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.817 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

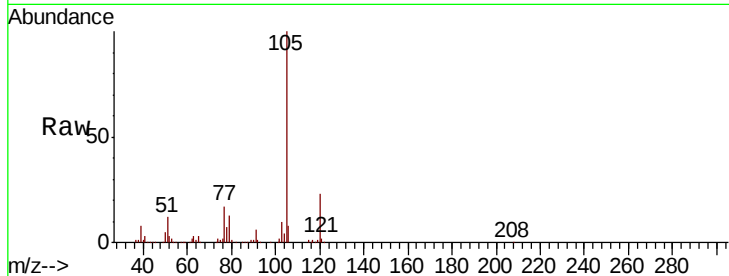
ClientSampled :

Tot Ion:105 Resp: 668027

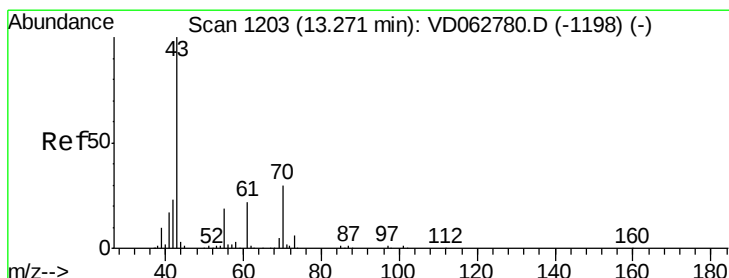
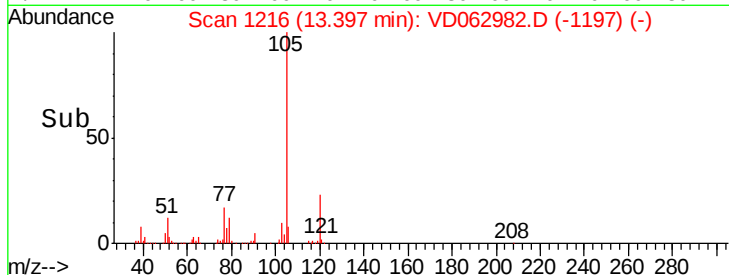
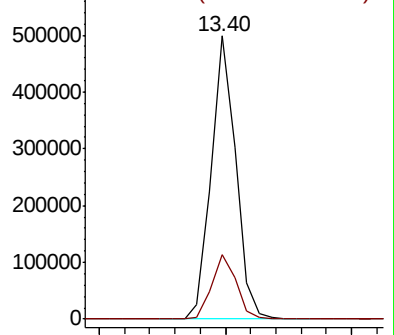
Ion Ratio Lower Upper

105 100

120 22.7 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V



#74

N-ethyl acetate

Concen: 24.123 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Tgt Ion: 43 Resp: 164317

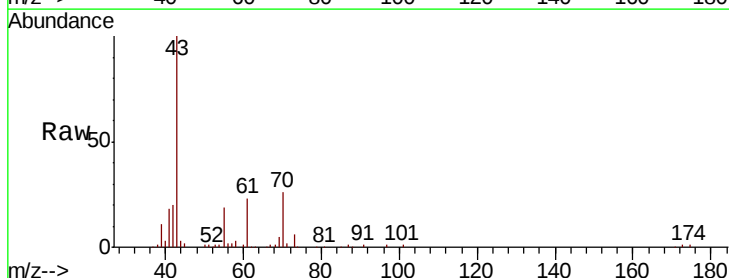
Ion Ratio Lower Upper

43 100

70 26.4 24.4 36.6

55 19.0 15.2 22.8

61 22.9 17.4 26.2

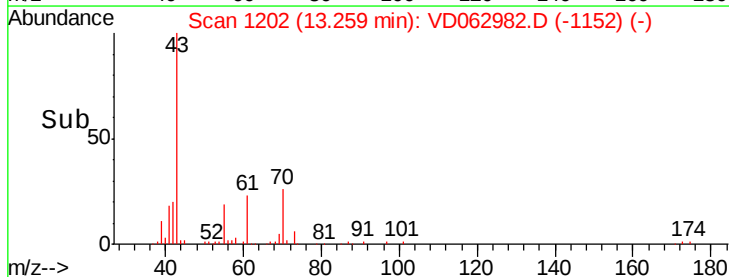
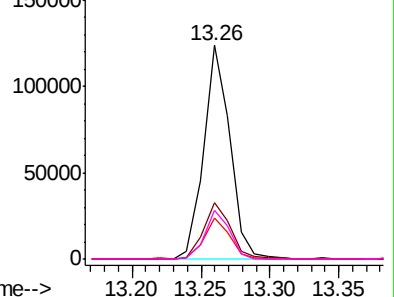


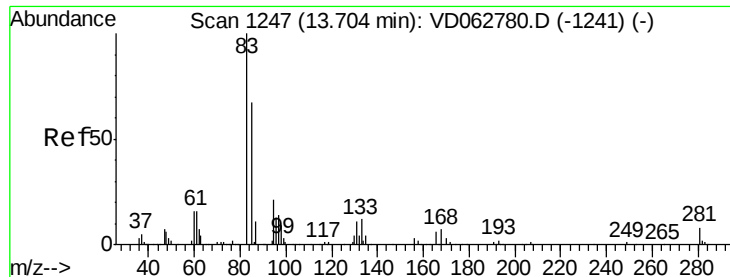
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 23.621 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

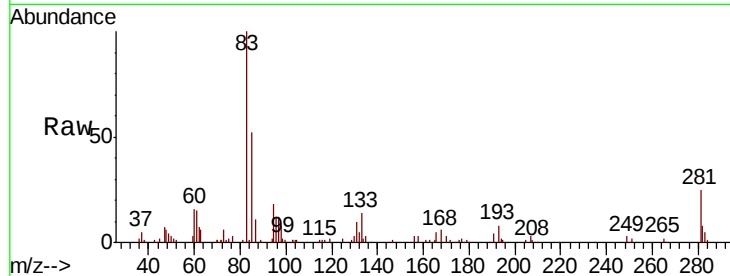
Tot Ion: 83 Resp: 107948

Ion Ratio Lower Upper

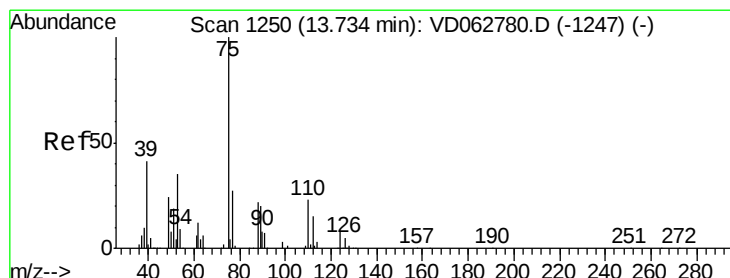
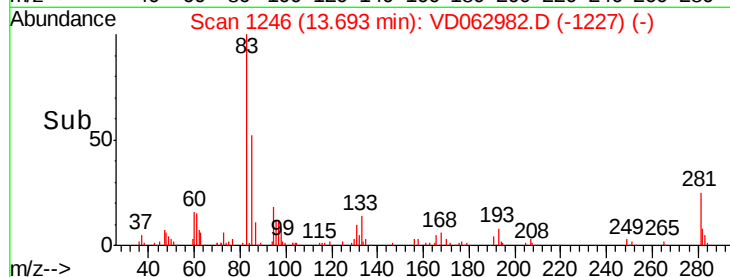
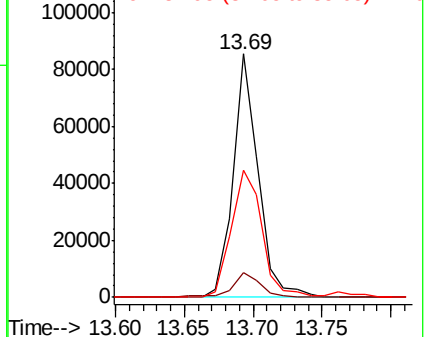
83 100

131 10.0 5.3 16.1

85 52.4 33.7 101.1



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: 22.730 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062982.D

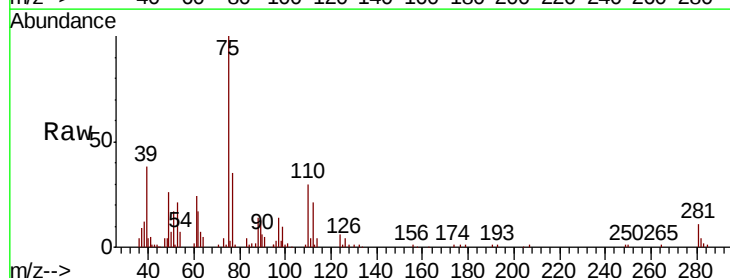
Acq: 1 Jul 2019 11:28

Tgt Ion: 75 Resp: 114790

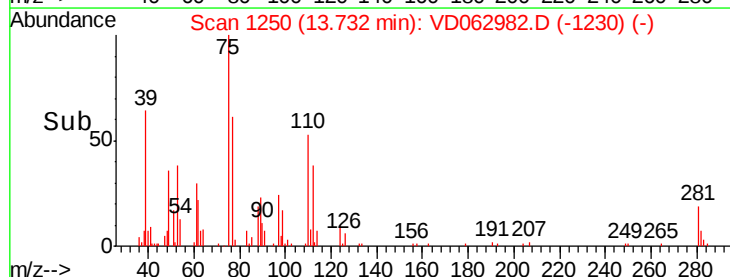
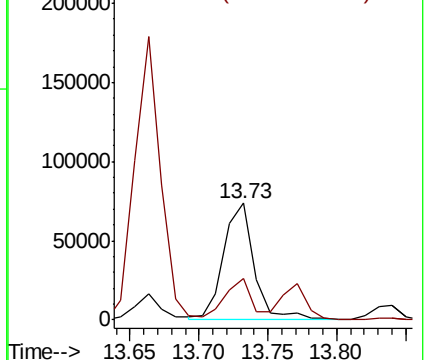
Ion Ratio Lower Upper

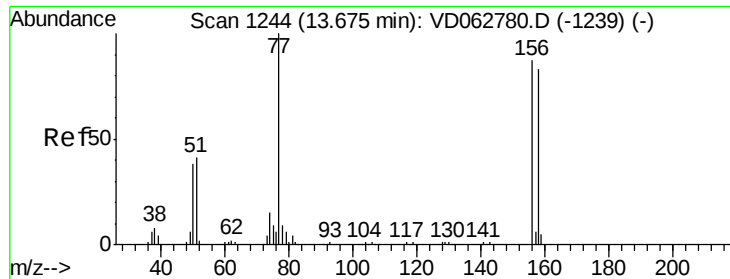
75 100

77 35.5 15.0 45.1



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

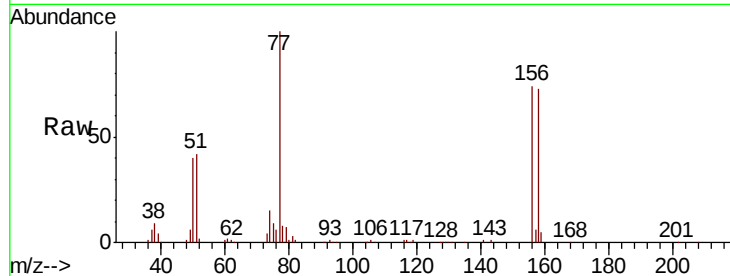




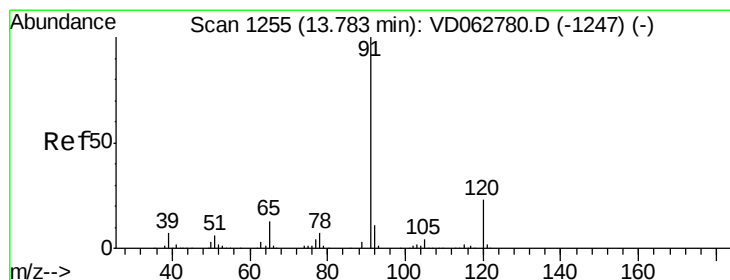
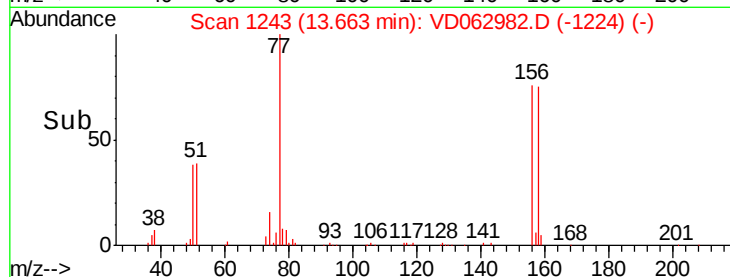
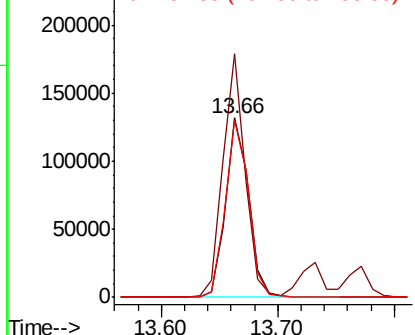
#77
Bromobenzene
Concen: 23.971 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 180844
Ion Ratio Lower Upper
156 100
77 135.6 57.7 173.1
158 98.7 47.7 143.1

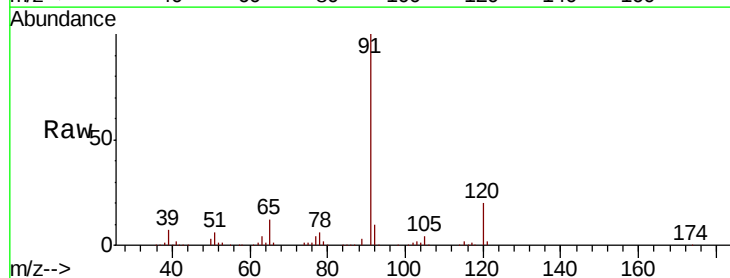


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

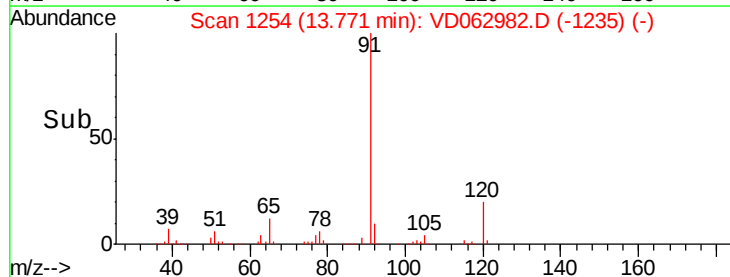
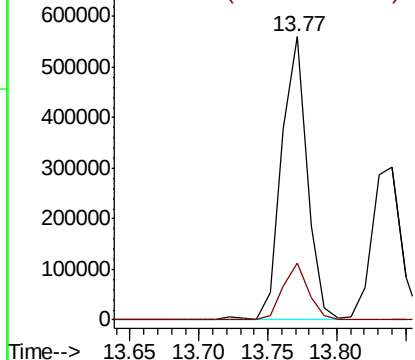


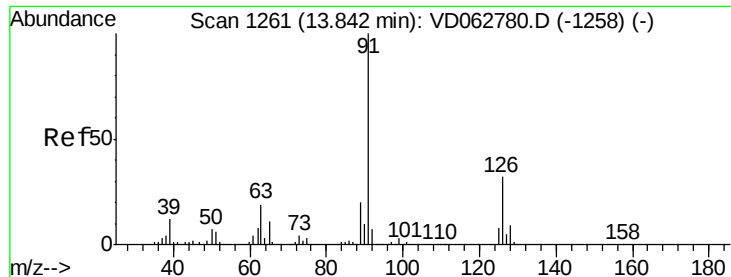
#78
n-propylbenzene
Concen: 22.045 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 91 Resp: 719697
Ion Ratio Lower Upper
91 100
120 19.9 11.3 33.8



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

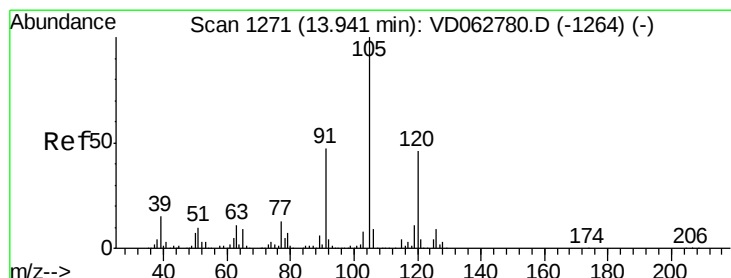
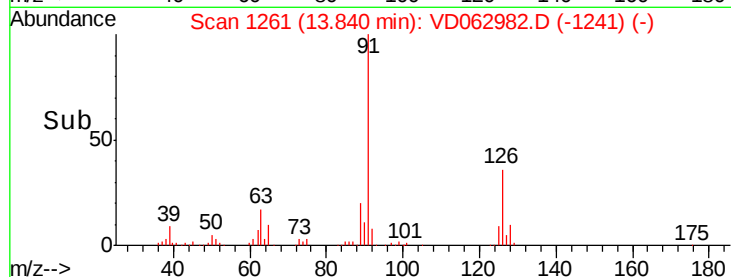
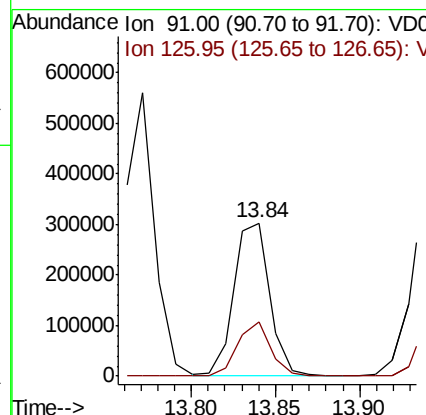
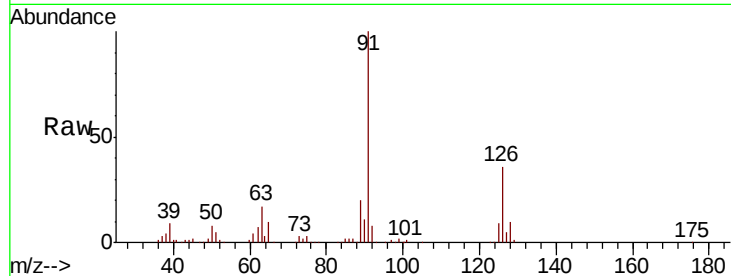




#79
 2-Chlorotoluene
 Concen: 23.945 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

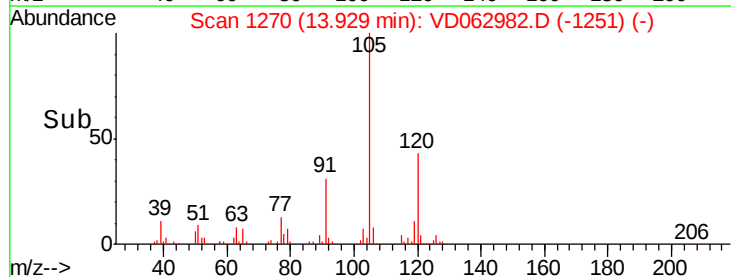
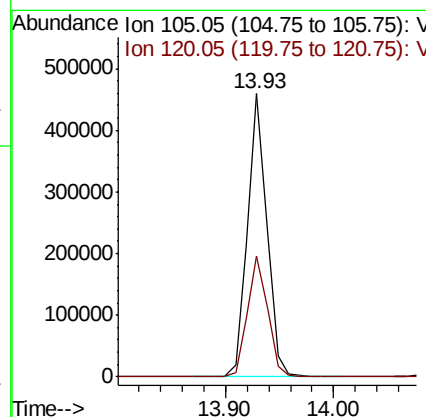
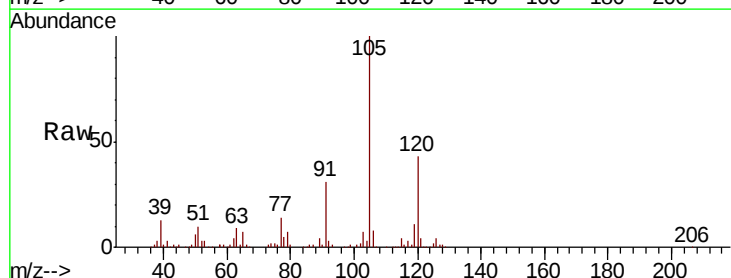
Instrument :
 MSVOA_D
 ClientSampleId :

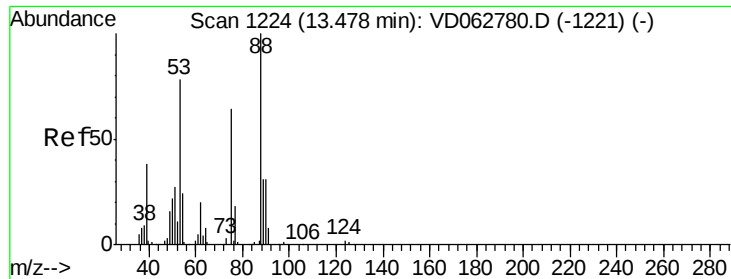
Tot Ion: 91 Resp: 446728
 Ion Ratio Lower Upper
 91 100
 126 35.8 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 24.216 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 105 Resp: 570527
 Ion Ratio Lower Upper
 105 100
 120 42.8 23.1 69.2

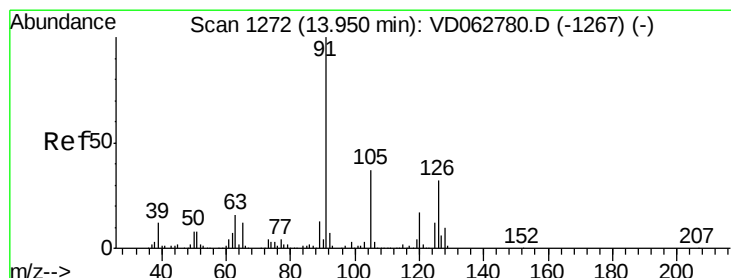
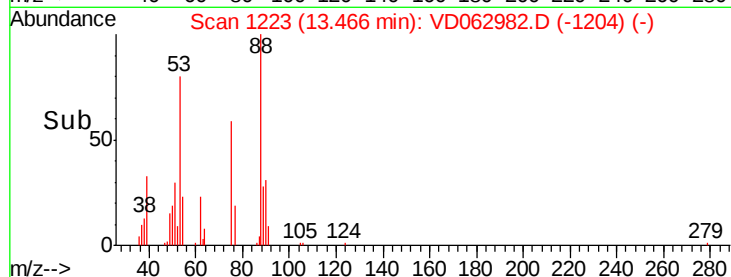
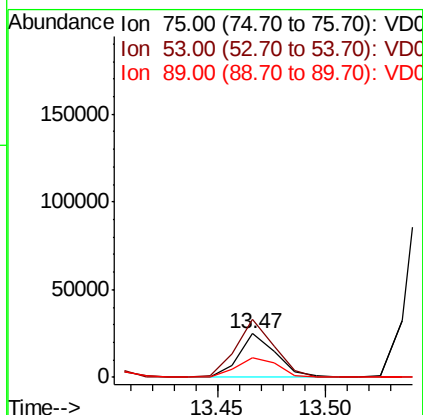
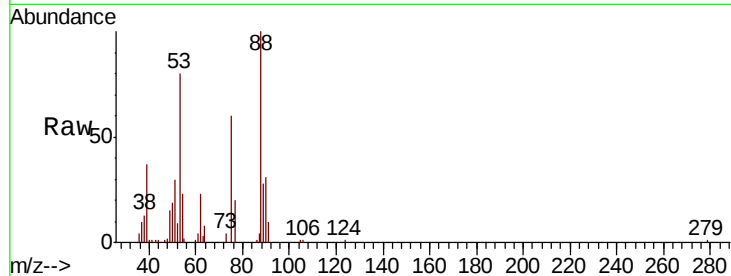




#81
trans-1,4-Dichloro-2-butene
Concen: 22.495 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

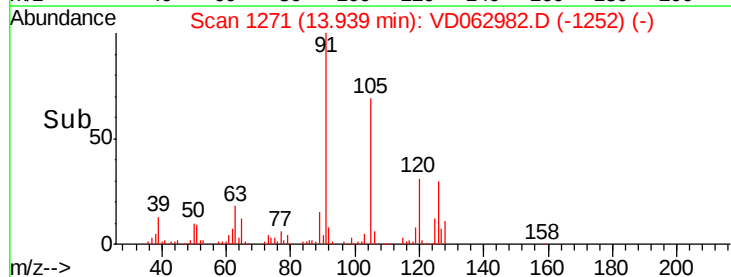
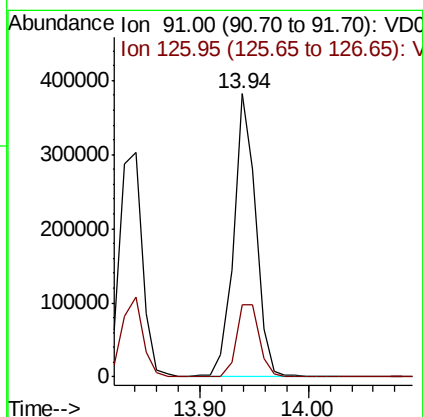
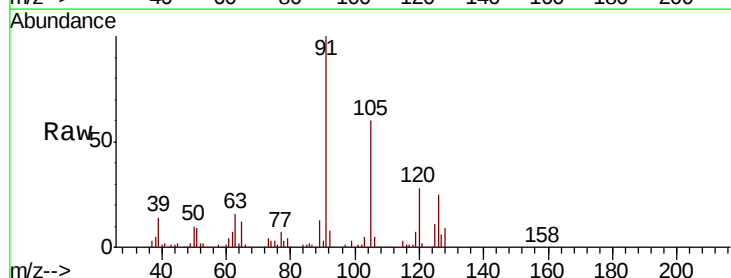
Instrument :
MSVOA_D
ClientSampleId :

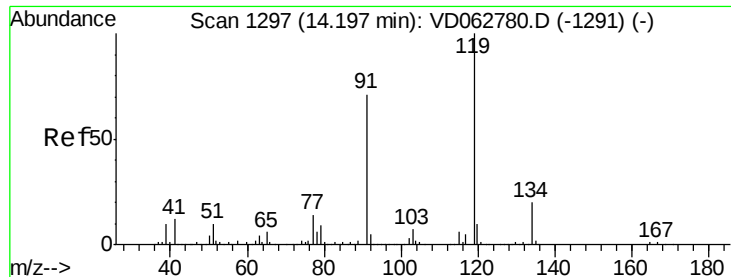
Tot Ion: 75 Resp: 29774
Ion Ratio Lower Upper
75 100
53 132.8 97.8 146.8
89 46.6 39.4 59.2



#82
4-Chlorotoluene
Concen: 24.215 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion: 91 Resp: 543892
Ion Ratio Lower Upper
91 100
126 25.5 16.0 47.9

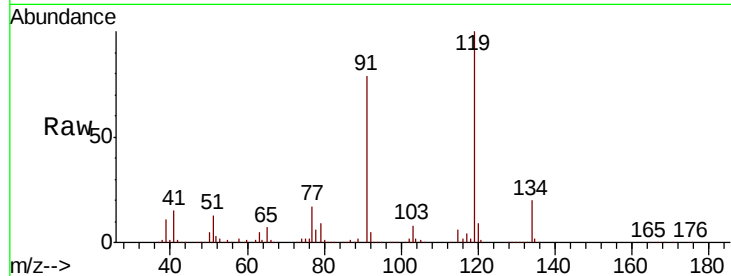




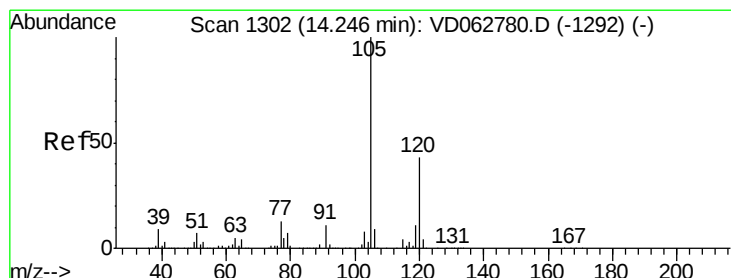
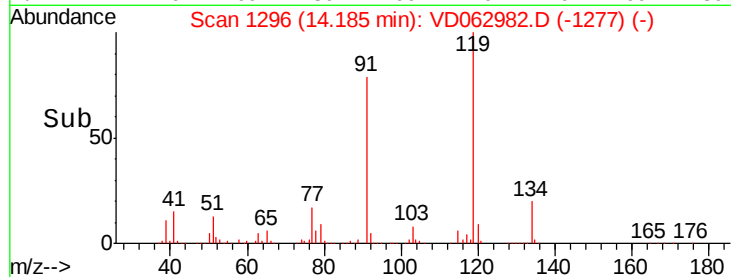
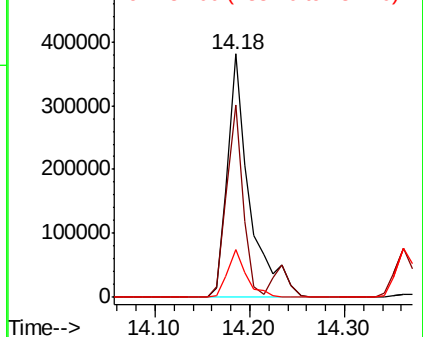
#83
 tert-Butylbenzene
 Concen: 23.492 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 616934
 Ion Ratio Lower Upper
 119 100
 91 79.2 35.5 106.5
 134 19.9 10.2 30.6

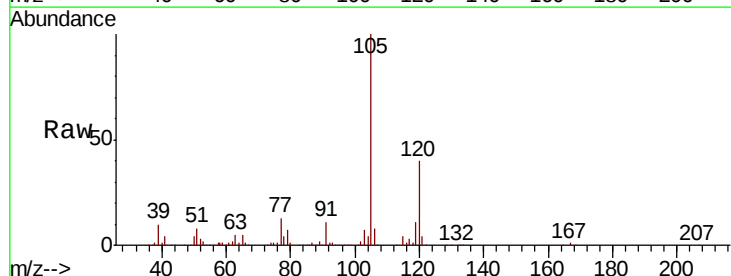


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

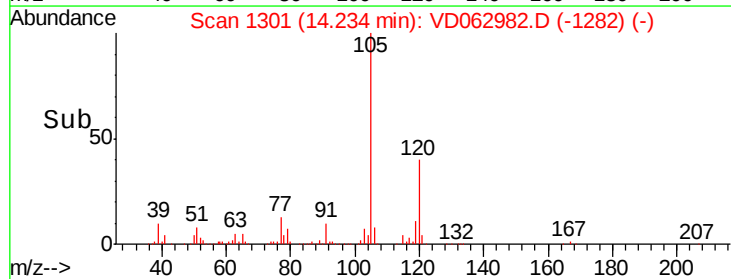
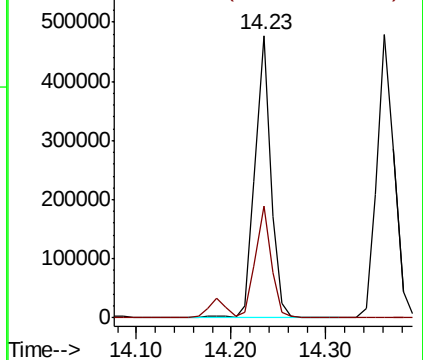


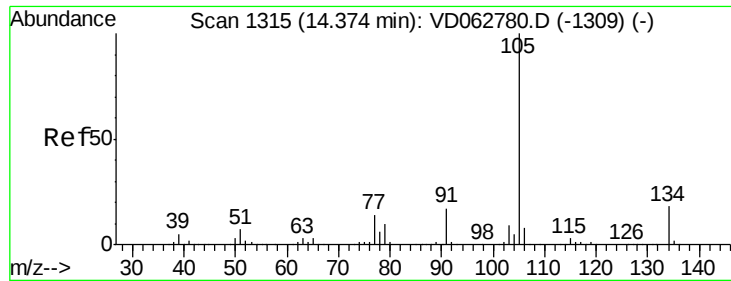
#84
 1,2,4-Trimethylbenzene
 Concen: 22.997 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion:105 Resp: 555328
 Ion Ratio Lower Upper
 105 100
 120 39.7 21.3 63.9



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





#85

sec-Butylbenzene

Concen: 21.565 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

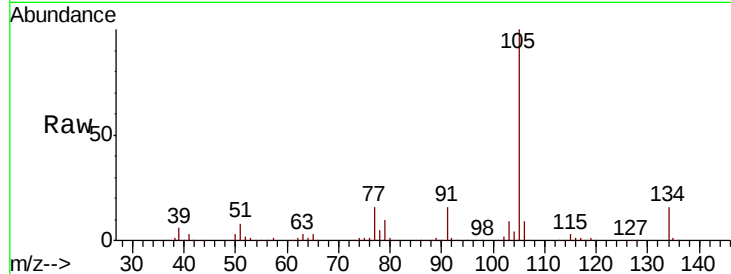
ClientSampled :

Tot Ion:105 Resp: 615524

Ion Ratio Lower Upper

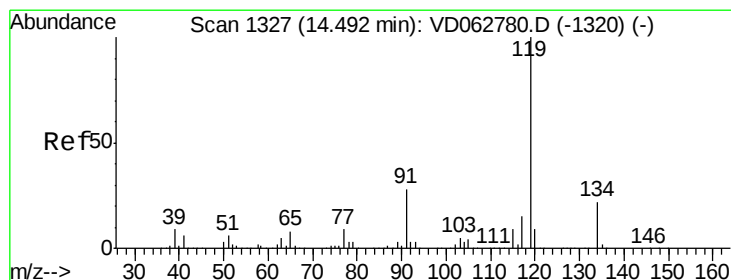
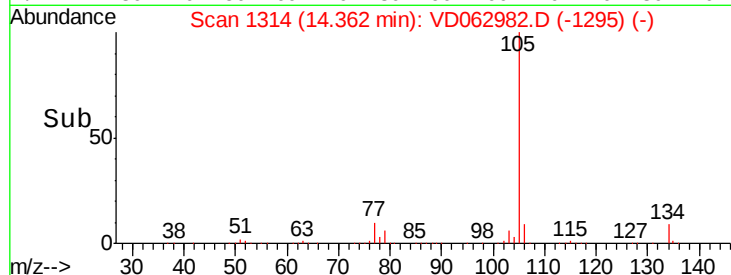
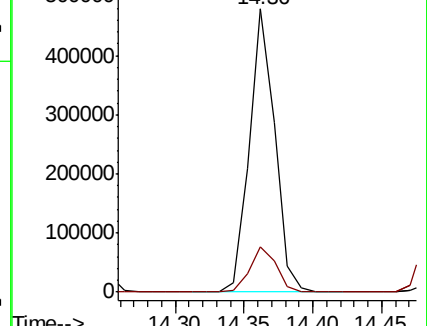
105 100

134 16.1 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 24.554 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

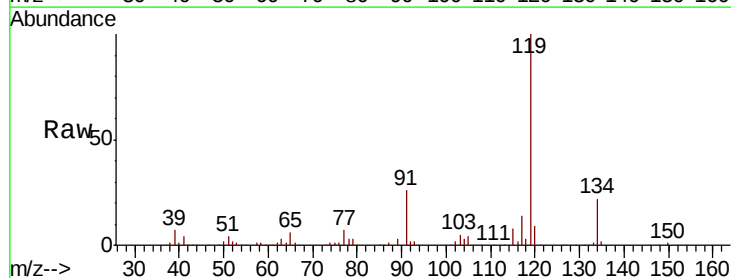
Tgt Ion:119 Resp: 641148

Ion Ratio Lower Upper

119 100

134 22.4 11.1 33.1

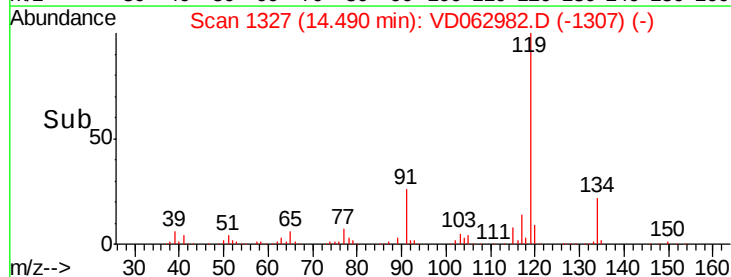
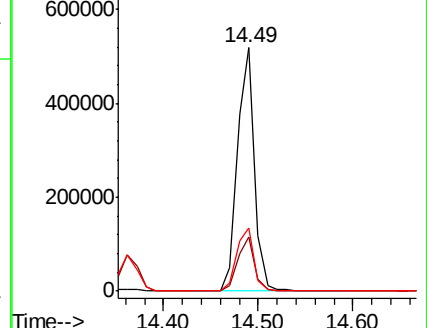
91 25.8 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

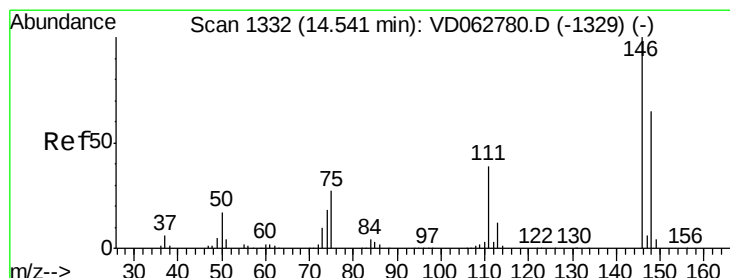
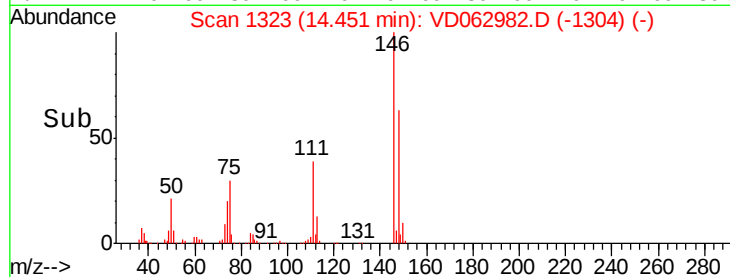
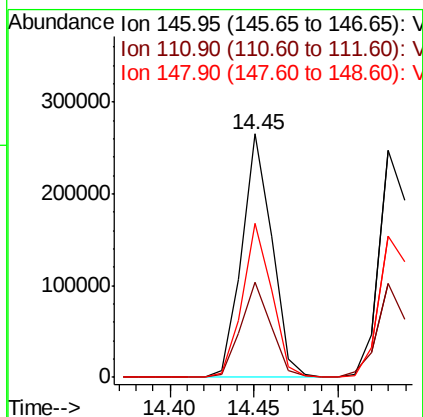
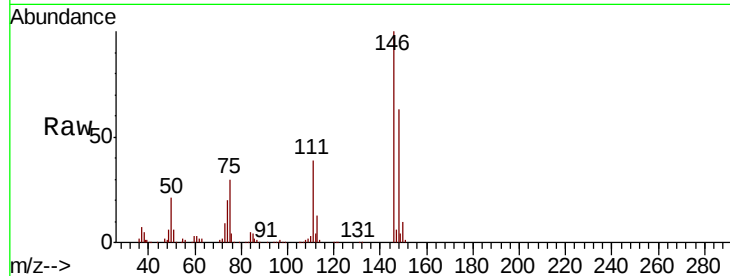




#87
 1,3-Dichlorobenzene
 Concen: 24.388 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

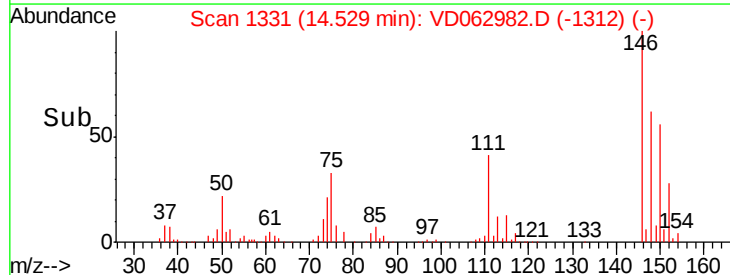
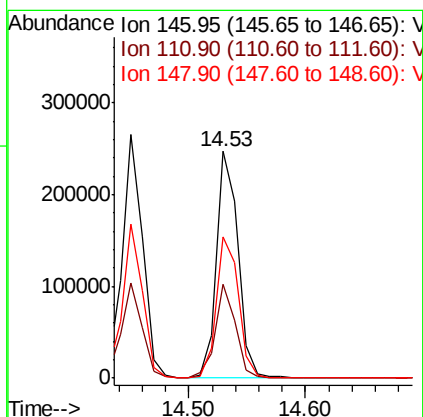
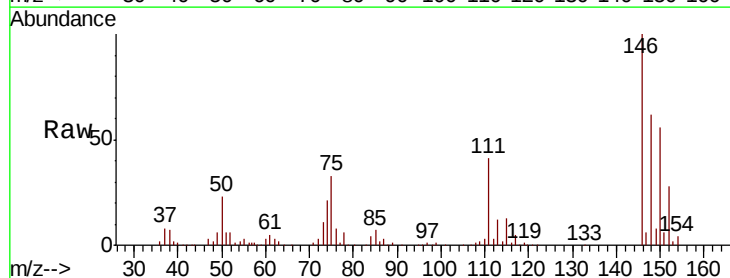
Instrument :
 MSVOA_D
 ClientSampleId :

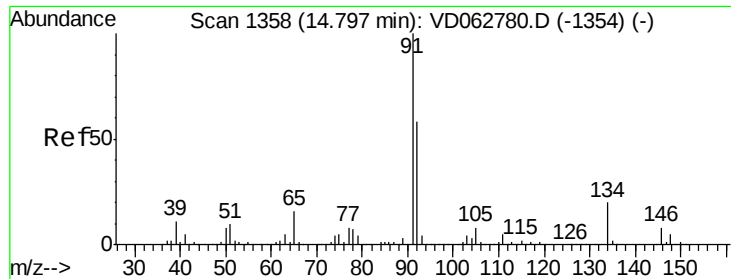
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.0	57.0
148	63.4	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 23.195 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.7	59.1
148	62.2	32.8	98.3





#89

n-Butylbenzene

Concen: 22.531 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062982.D

Acq: 1 Jul 2019 11:28

Instrument :

MSVOA_D

ClientSampleID :

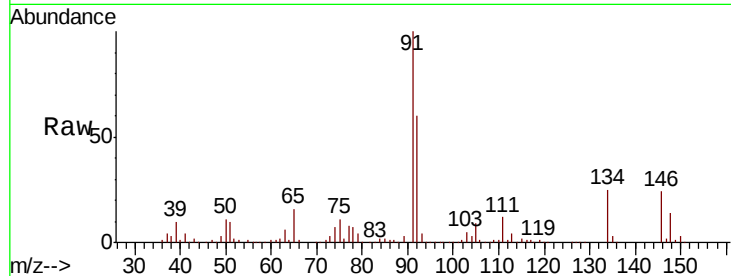
Tot Ion: 91 Resp: 550650

Ion Ratio Lower Upper

91 100

92 60.1 28.9 86.7

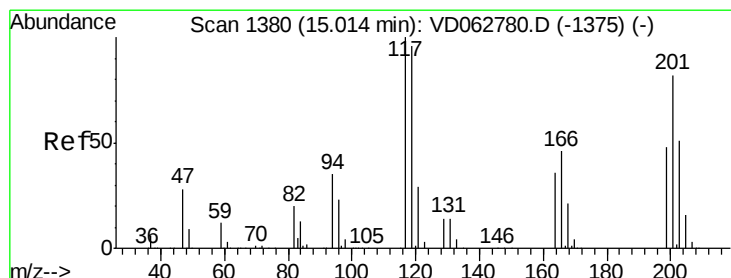
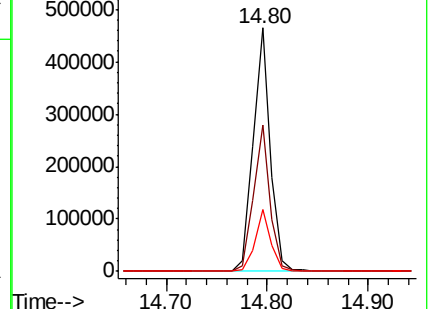
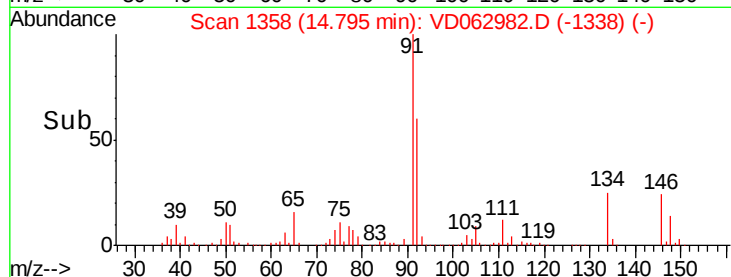
134 25.4 10.1 30.3



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: 21.766 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062982.D

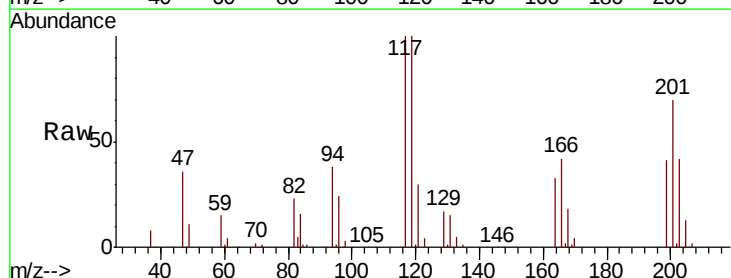
Acq: 1 Jul 2019 11:28

Tgt Ion: 117 Resp: 152812

Ion Ratio Lower Upper

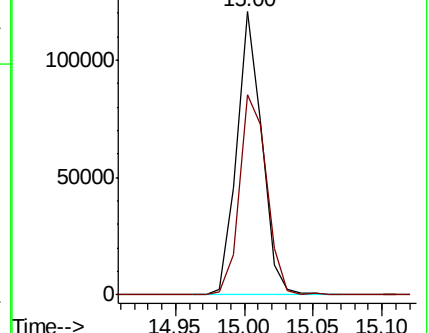
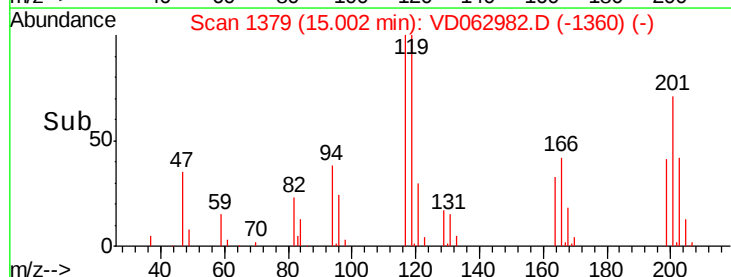
117 100

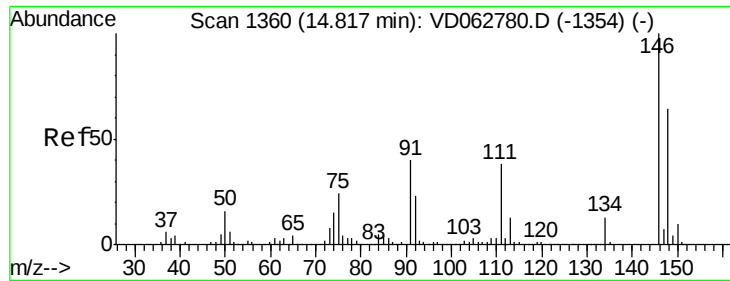
201 70.6 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

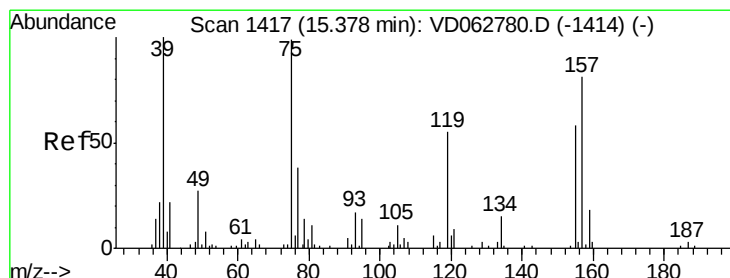
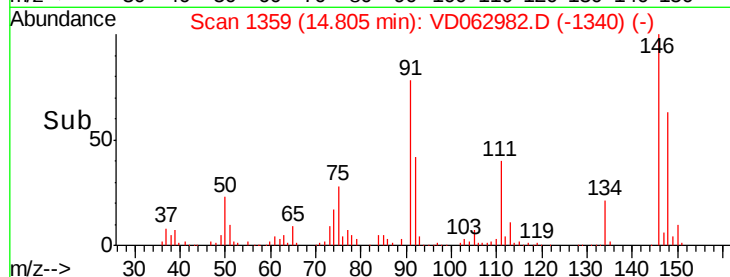
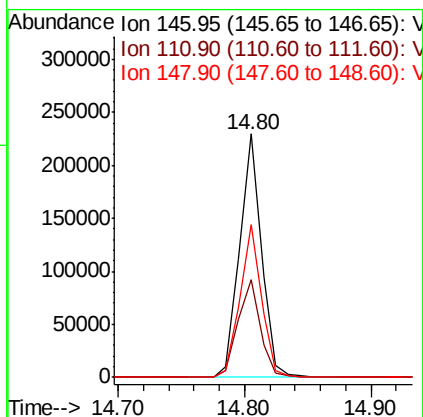
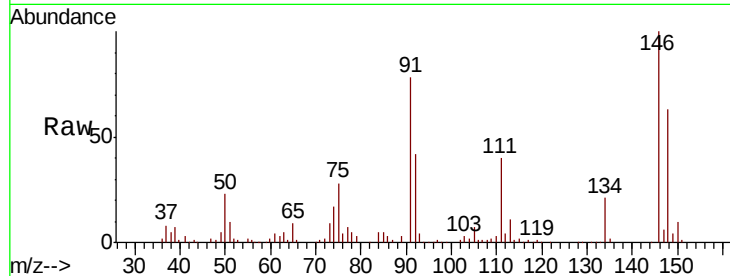




#91
 1,2-Dichlorobenzene
 Concen: 23.660 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

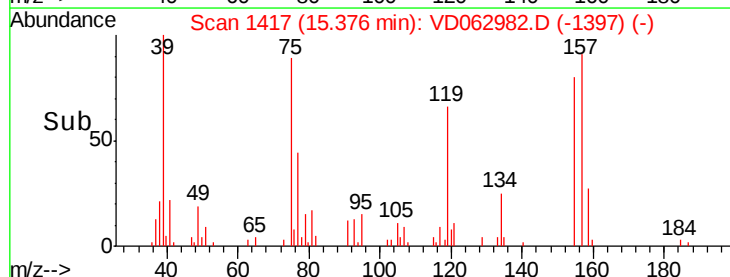
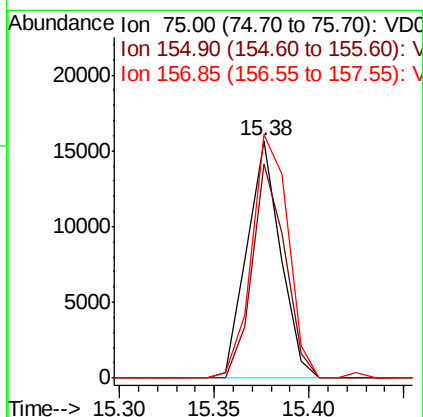
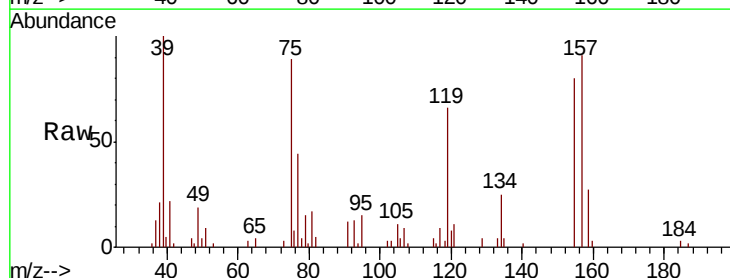
Instrument :
 MSVOA_D
 ClientSampleId :

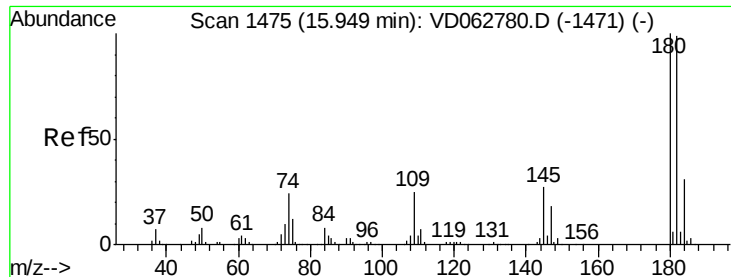
Tot Ion:146 Resp: 273757
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.1 57.1
 148 62.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.648 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion: 75 Resp: 19310
 Ion Ratio Lower Upper
 75 100
 155 90.3 29.3 87.8#
 157 102.5 41.3 123.7

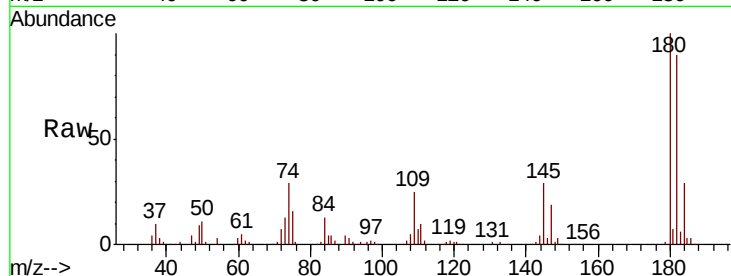




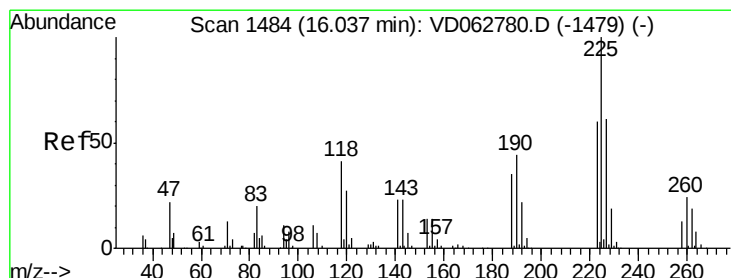
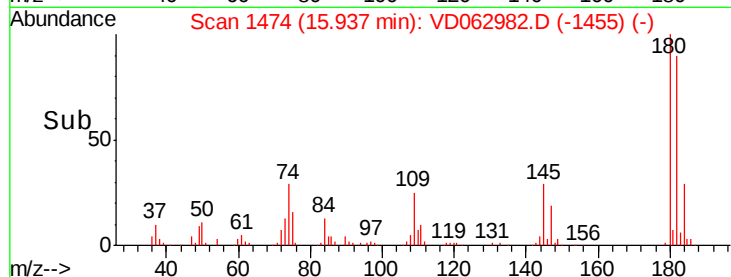
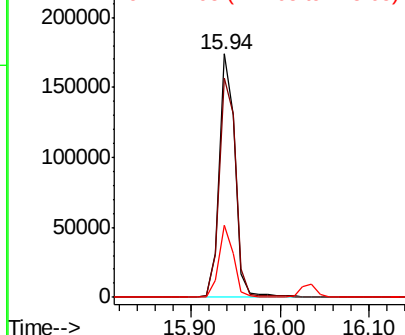
#93
 1,2,4-Trichlorobenzene
 Concen: 23.826 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 215356
 Ion Ratio Lower Upper
 180 100
 182 90.0 49.5 148.5
 145 29.5 13.7 41.0

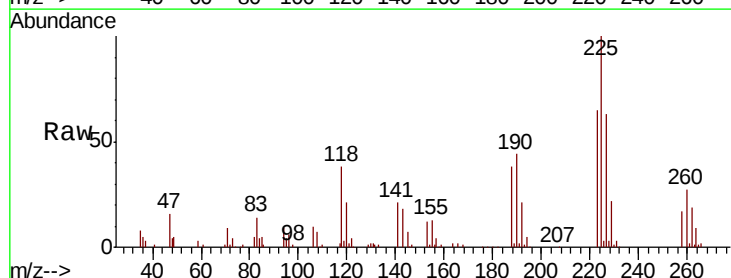


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

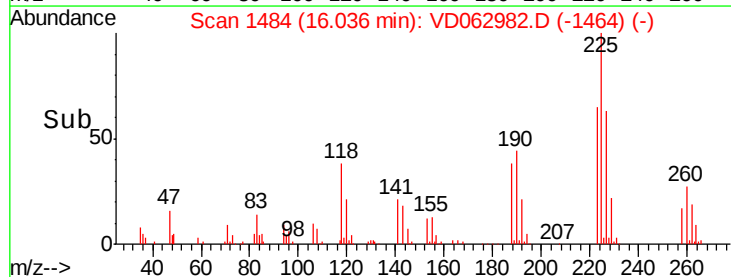
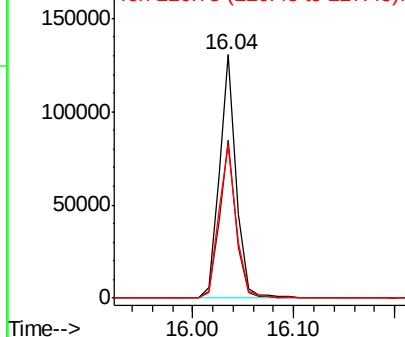


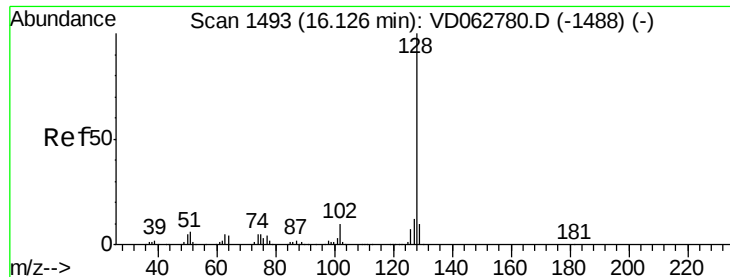
#94
 Hexachlorobutadiene
 Concen: 22.114 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062982.D
 Acq: 1 Jul 2019 11:28

Tgt Ion:225 Resp: 152698
 Ion Ratio Lower Upper
 225 100
 223 64.9 29.8 89.5
 227 62.8 30.6 91.6



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

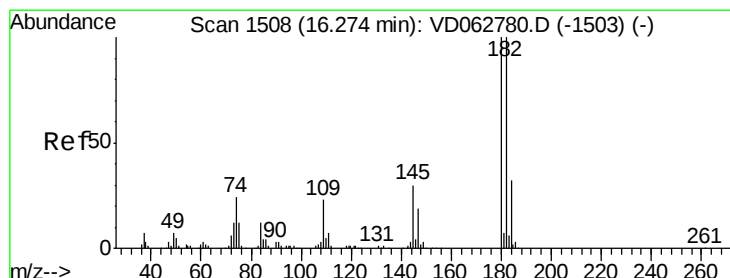
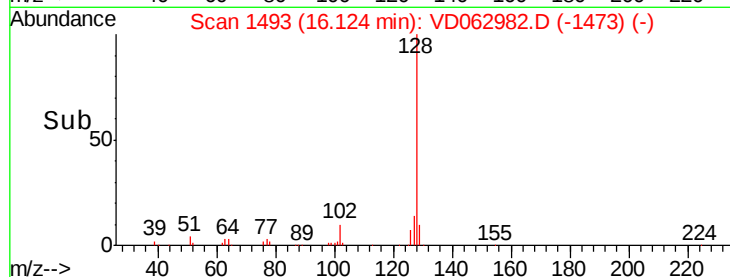
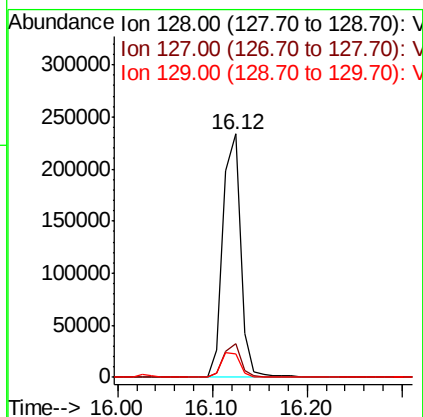
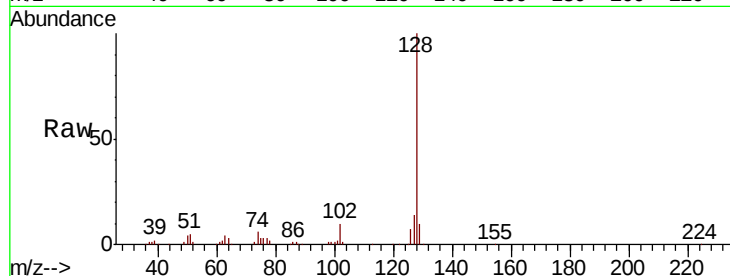




#95
Naphthalene
Concen: 24.055 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 304742
Ion Ratio Lower Upper
128 100
127 13.7 9.7 14.5
129 9.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 24.360 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062982.D
Acq: 1 Jul 2019 11:28

Tgt Ion:180 Resp: 169172
Ion Ratio Lower Upper
180 100
182 94.4 49.9 149.6
145 31.1 15.2 45.5

