

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062958.D
 Acq On : 28 Jun 2019 11:33
 Operator : VA/AP
 Sample : VD0628SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Quant Time: Jun 29 00:13:30 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	7.01	168	907786	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1198913	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	1045141	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	598340	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	473156	47.95	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	6.89	113	499979	49.46	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.39	98	1085931	49.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	13.54	95	471412	47.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	233212	19.853	ug/l	96
3) Chloromethane	1.74	50	173759	19.668	ug/l	100
4) Vinyl Chloride	1.83	62	160970	18.377	ug/l	99
5) Bromomethane	2.13	94	62594	15.259	ug/l	86
6) Chloroethane	2.24	64	59933	15.113	ug/l	91
7) Trichlorofluoromethane	2.50	101	339399	19.146	ug/l	97
8) Diethyl Ether	2.86	74	39256	17.429	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.12	101	167214	17.411	ug/l	92
10) Methyl Iodide	3.27	142	219067	17.290	ug/l	97
11) Tert butyl alcohol	4.06	59	47223	105.077	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	128710	17.865	ug/l #	94
13) Acrolein	3.01	56	30951	67.461	ug/l	93
14) Allyl chloride	3.59	41	208403	19.577	ug/l	94
15) Acrylonitrile	4.18	53	109450	103.646	ug/l	91
16) Acetone	3.21	43	182641	86.704	ug/l	94
17) Carbon Disulfide	3.34	76	419856	18.235	ug/l	98
18) Methyl Acetate	3.62	43	77542	26.032	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	309984	19.875	ug/l	100
20) Methylene Chloride	3.78	84	153122	20.347	ug/l	90
21) trans-1,2-Dichloroethene	4.19	96	158459	20.656	ug/l	84
22) Diisopropyl ether	5.09	45	434842	20.086	ug/l	91
23) Vinyl Acetate	5.02	43	1337804	98.754	ug/l	100
24) 1,1-Dichloroethane	4.95	63	260145	18.456	ug/l	98
25) 2-Butanone	6.05	43	202918	109.952	ug/l	95
26) 2,2-Dichloropropane	5.99	77	291114	19.485	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	164944	20.333	ug/l	95
28) Bromochloromethane	6.41	49	102612	20.670	ug/l	83
29) Tetrahydrofuran	6.43	42	93077	106.594	ug/l	99
30) Chloroform	6.64	83	346736	20.227	ug/l	98
31) Cyclohexane	6.92	56	189023	20.399	ug/l	91
32) 1,1,1-Trichloroethane	6.84	97	332744	18.636	ug/l	92
36) 1,1-Dichloropropene	7.12	75	220091	19.392	ug/l	97
37) Ethyl Acetate	6.15	43	97486	19.782	ug/l #	91
38) Carbon Tetrachloride	7.08	117	324087	18.987	ug/l	97

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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)
39) Methylcyclohexane	8.83	83	183374	18.355	ug/l	93
40) Benzene	7.42	78	460260	20.203	ug/l	92
41) Methacrylonitrile	6.42	41	130217	21.756	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	259061	20.845	ug/l	98
43) Isopropyl Acetate	9.22	43	129611	21.783	ug/l #	98
44) Trichloroethene	8.52	130	172439	19.307	ug/l	97
45) 1,2-Dichloropropane	8.91	63	113344	20.008	ug/l	97
46) Dibromomethane	9.04	93	98117	20.163	ug/l	88
47) Bromodichloromethane	9.35	83	255538	20.220	ug/l	99
48) Methyl methacrylate	9.10	41	88289	20.880	ug/l	93
49) 1,4-Dioxane	9.06	88	17321	492.378	ug/l #	88
51) 4-Methyl-2-Pentanone	10.28	43	431744	102.343	ug/l	93
52) Toluene	10.49	92	310623	20.284	ug/l	90
53) t-1,3-Dichloropropene	10.89	75	230156	22.250	ug/l	93
54) cis-1,3-Dichloropropene	10.01	75	222409	19.782	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	104686	19.897	ug/l	94
56) Ethyl methacrylate	11.02	69	116703	20.756	ug/l	97
57) 1,3-Dichloropropane	11.39	76	165375	20.529	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	321917	111.521	ug/l	97
59) 2-Hexanone	11.51	43	315189	104.908	ug/l	96
60) Dibromochloromethane	11.67	129	196684	20.070	ug/l	97
61) 1,2-Dibromoethane	11.79	107	127398	20.502	ug/l	97
64) Tetrachloroethene	11.23	164	164772	19.156	ug/l	97
65) Chlorobenzene	12.39	112	382671	19.729	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.49	131	172439	19.010	ug/l	86
67) Ethyl Benzene	12.50	91	696536	20.001	ug/l	96
68) m/p-Xylenes	12.65	106	483783	39.886	ug/l	94
69) o-Xylene	13.04	106	235615	21.250	ug/l	100
70) Styrene	13.06	104	389338	19.991	ug/l	94
71) Bromoform	13.22	173	126396	20.337	ug/l	94
73) Isopropylbenzene	13.39	105	682930	17.801	ug/l	100
74) N-amyl acetate	13.25	43	183830	19.731	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	120480	19.274	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	125463	18.164	ug/l	91
77) Bromobenzene	13.66	156	197856	19.174	ug/l	98
78) n-propylbenzene	13.76	91	816713	18.290	ug/l	99
79) 2-Chlorotoluene	13.82	91	469435	18.396	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	649096	20.143	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.46	75	33445	18.475	ug/l	98
82) 4-Chlorotoluene	13.93	91	600266	19.539	ug/l	95
83) tert-Butylbenzene	14.18	119	701312	19.525	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	605125	18.321	ug/l	97
85) sec-Butylbenzene	14.35	105	742197	19.011	ug/l	98
86) p-Isopropyltoluene	14.48	119	666259	18.655	ug/l	94
87) 1,3-Dichlorobenzene	14.44	146	360397	19.484	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	332625	17.903	ug/l	96
89) n-Butylbenzene	14.79	91	613801	18.362	ug/l	97
90) Hexachloroethane	14.99	117	167990	17.494	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	302976	19.144	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22731	18.631	ug/l #	57

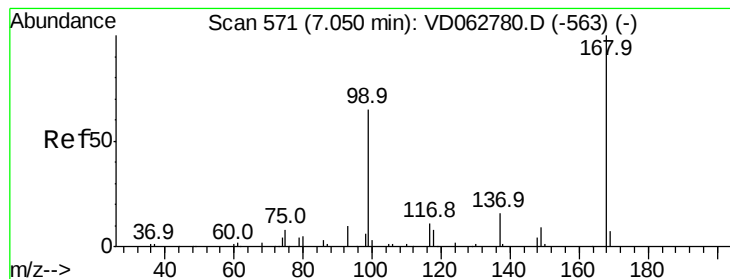
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
Data File : VD062958.D
Acq On : 28 Jun 2019 11:33
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Sample : VD0628SBSD01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : 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	15.93	180	238275	19.274	ug/l	95
94) Hexachlorobutadiene	16.03	225	184030	19.485	ug/l	96
95) Naphthalene	16.12	128	335898	19.385	ug/l	99
96) 1,2,3-Trichlorobenzene	16.25	180	187173	19.705	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

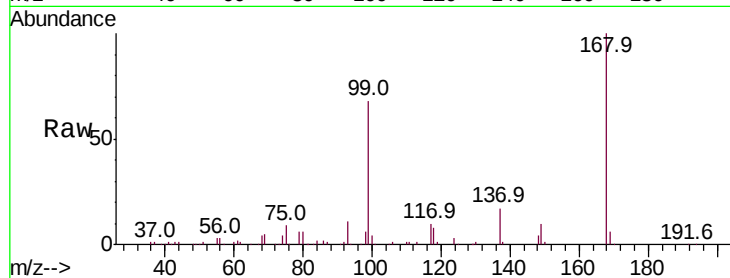
VD0628SBSD01

Tot Ion:168 Resp: 907786

Ion Ratio Lower Upper

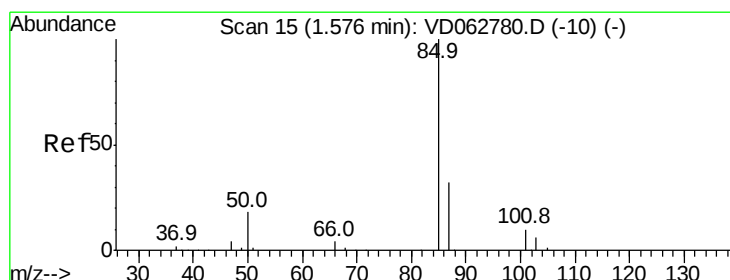
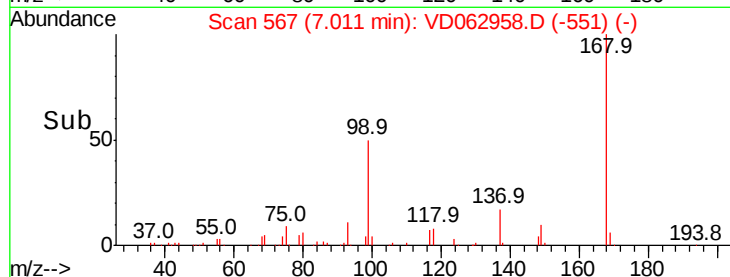
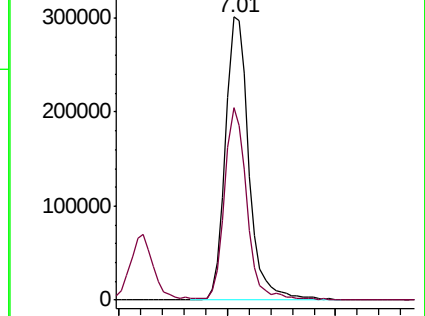
168 100

99 67.9 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: 19.853 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062958.D

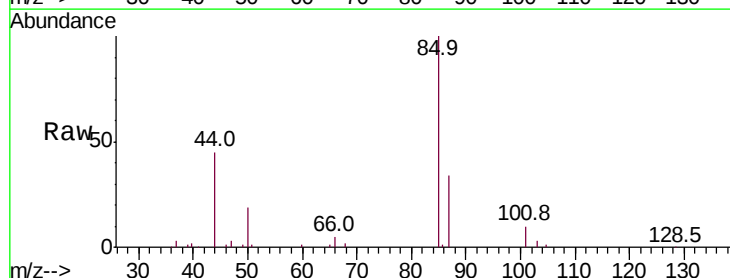
Acq: 28 Jun 2019 11:33

Tgt Ion: 85 Resp: 233212

Ion Ratio Lower Upper

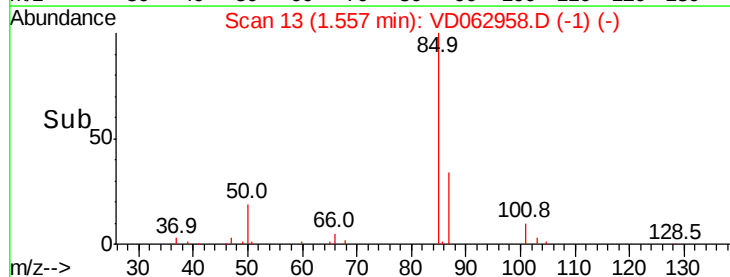
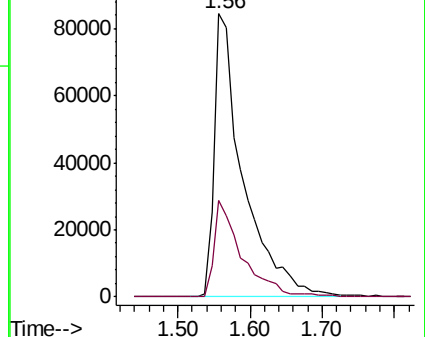
85 100

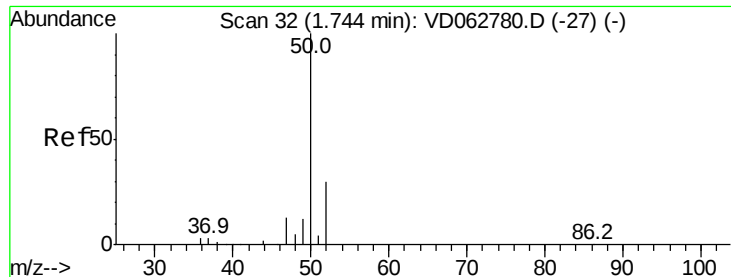
87 33.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.668 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

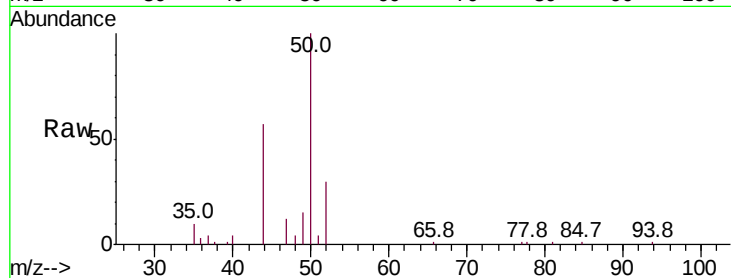
VD0628SBSD01

Tot Ion: 50 Resp: 173759

Ion Ratio Lower Upper

50 100

52 29.6 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

50000

40000

30000

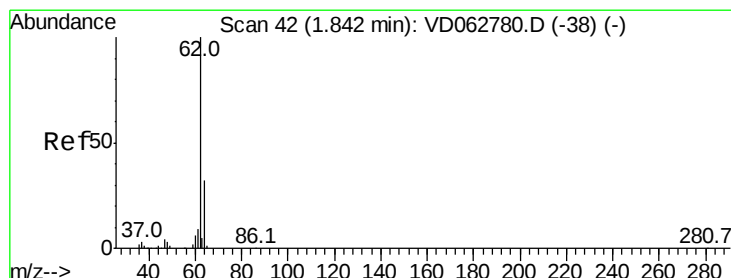
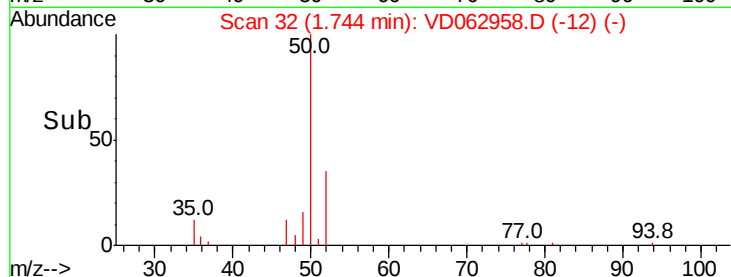
20000

10000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 18.377 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062958.D

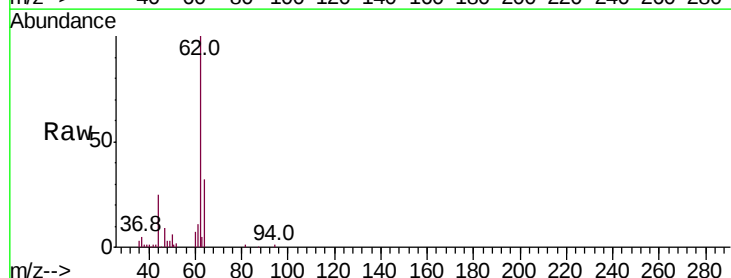
Acq: 28 Jun 2019 11:33

Tgt Ion: 62 Resp: 160970

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

80000

60000

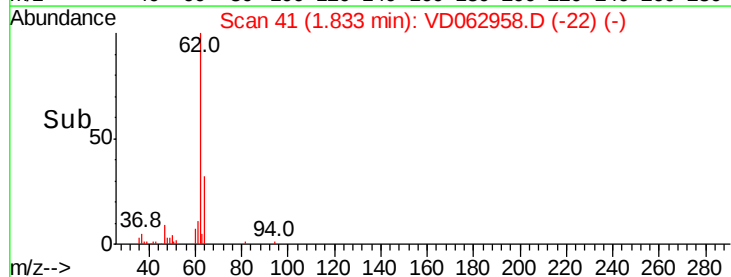
40000

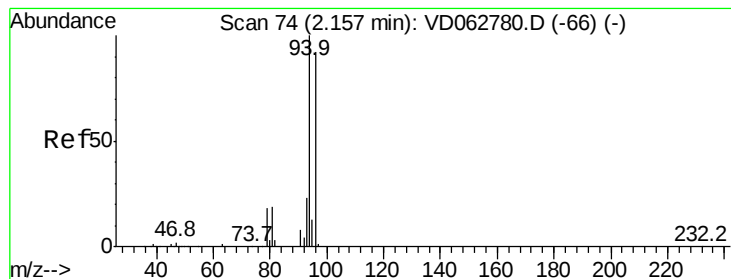
20000

0

Time-->

1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 15.259 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

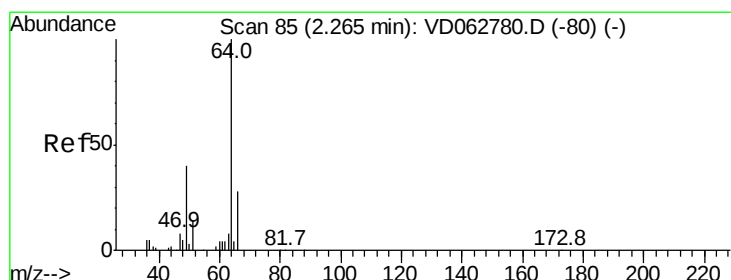
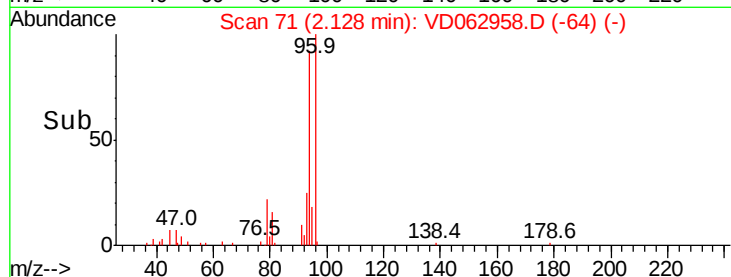
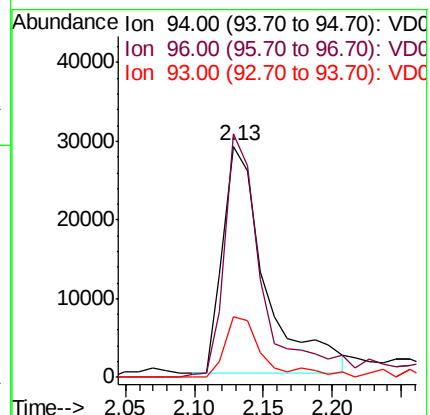
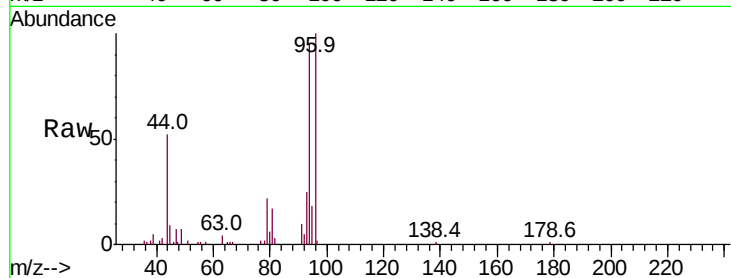
Tot Ion: 94 Resp: 62594

Ion Ratio Lower Upper

94 100

96 107.2 73.4 110.2

93 26.0 18.2 27.4



#6

Chloroethane

Concen: 15.113 ug/l

RT: 2.24 min Scan# 82

Delta R.T. -0.03 min

Lab File: VD062958.D

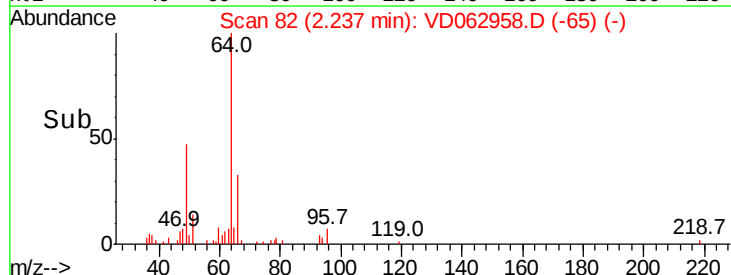
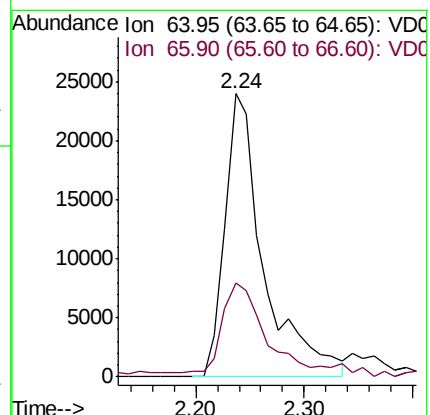
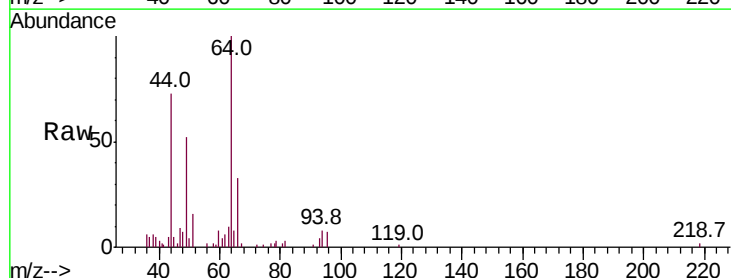
Acq: 28 Jun 2019 11:33

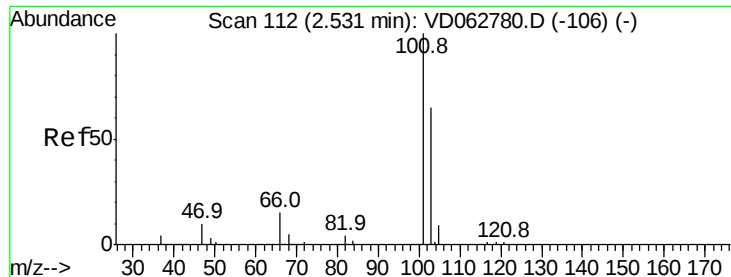
Tgt Ion: 64 Resp: 59933

Ion Ratio Lower Upper

64 100

66 33.2 23.0 34.4



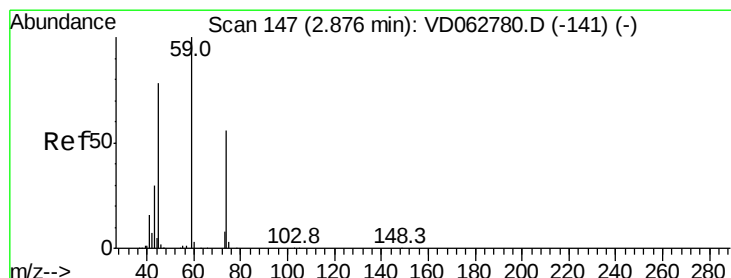
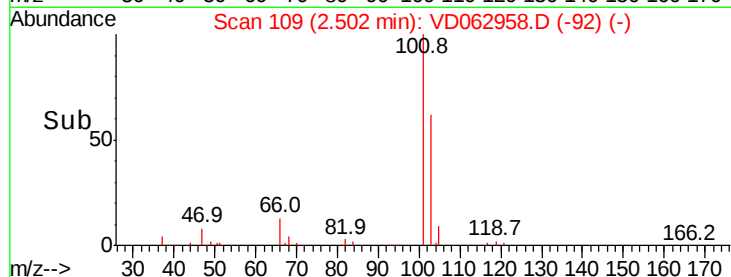
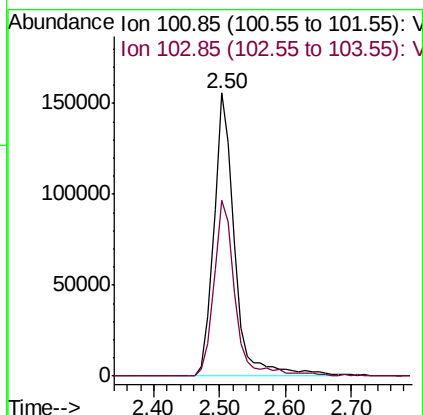
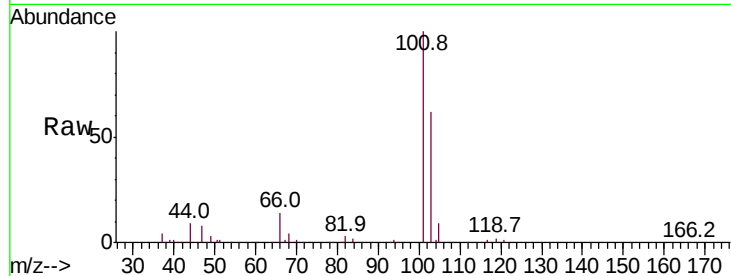


#7

Trichlorofluoromethane
Concen: 19.146 ug/l
RT: 2.50 min Scan# 109
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

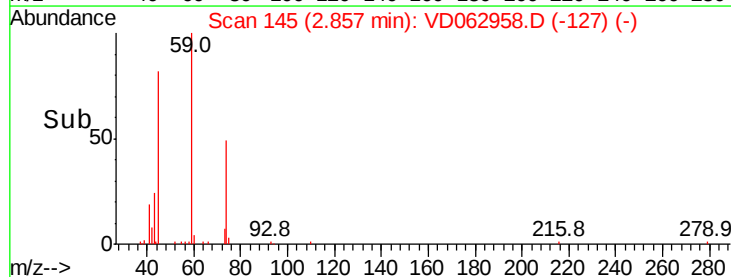
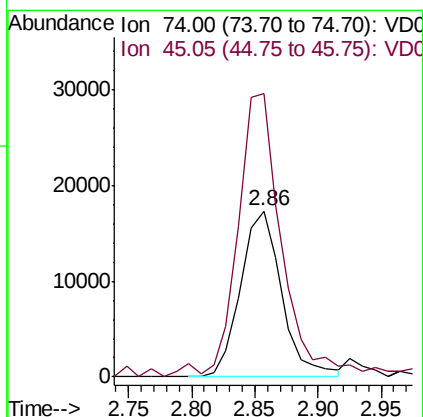
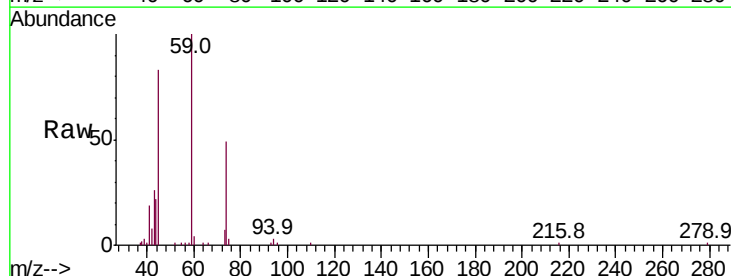
Tot Ion:101 Resp: 339399
Ion Ratio Lower Upper
101 100
103 62.3 51.8 77.8

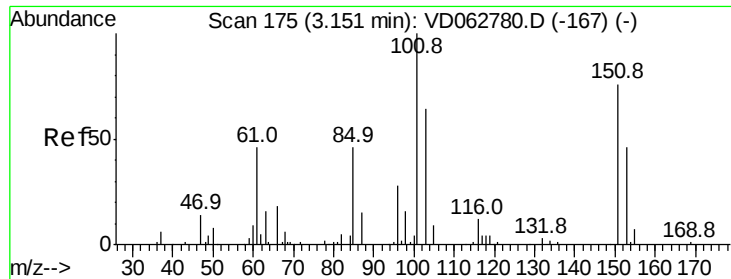


#8

Diethyl Ether
Concen: 17.429 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 74 Resp: 39256
Ion Ratio Lower Upper
74 100
45 170.6 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.411 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

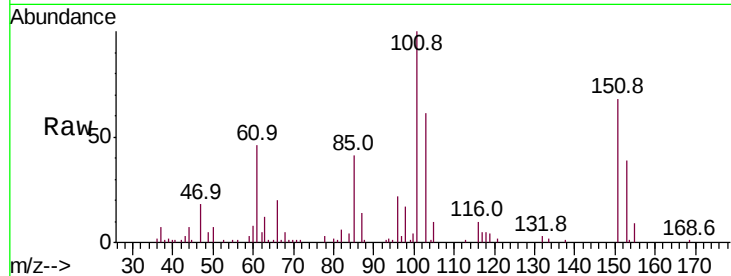
Tot Ion:101 Resp: 167214

Ion Ratio Lower Upper

101 100

85 41.2 37.0 55.4

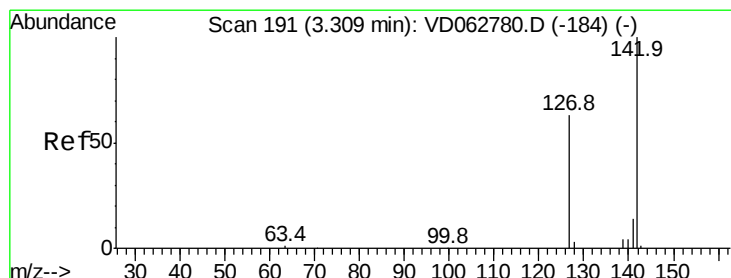
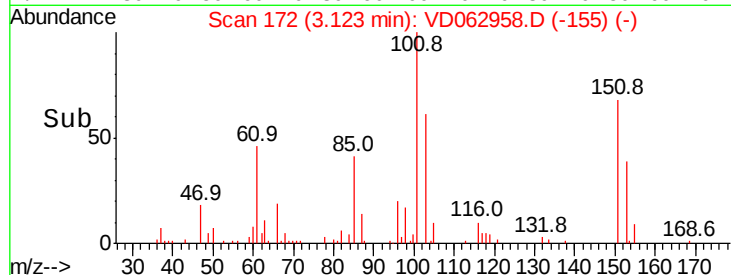
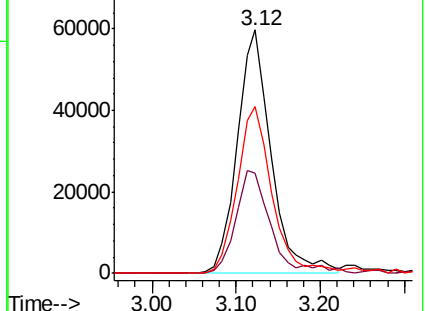
151 68.4 60.5 90.7



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: 17.290 ug/l

RT: 3.27 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

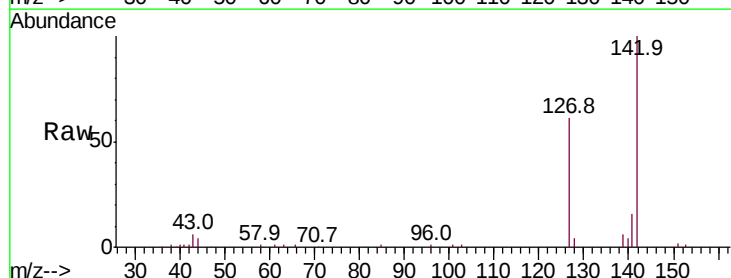
Tgt Ion:142 Resp: 219067

Ion Ratio Lower Upper

142 100

127 60.6 50.1 75.1

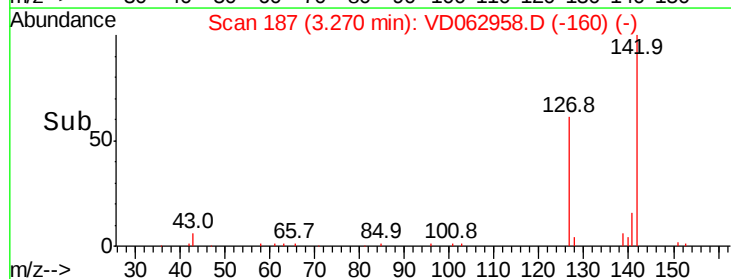
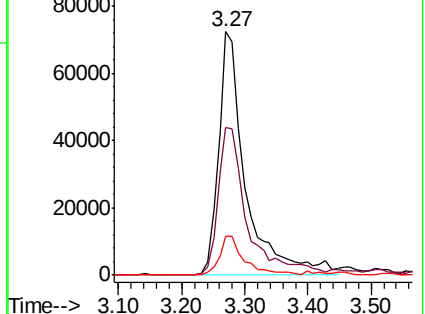
141 16.1 11.0 16.4

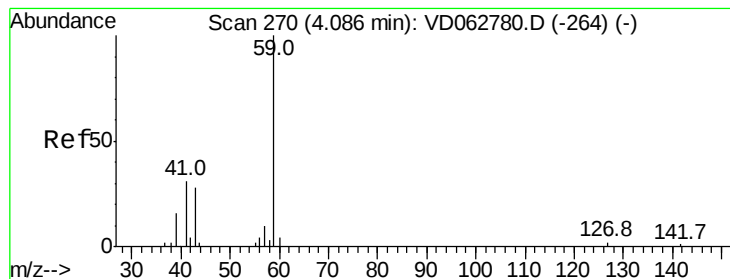


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



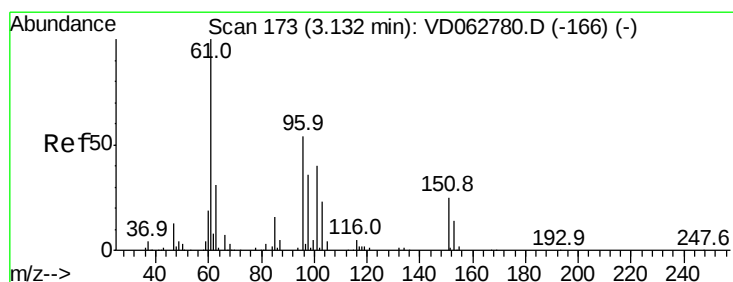
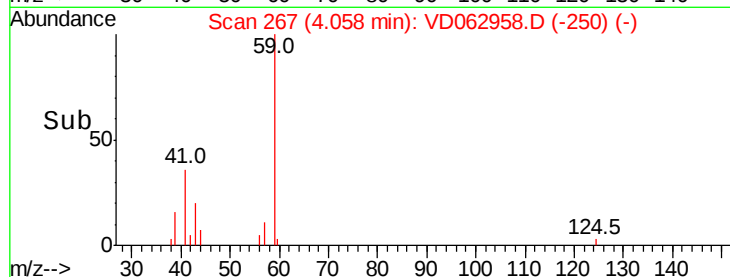
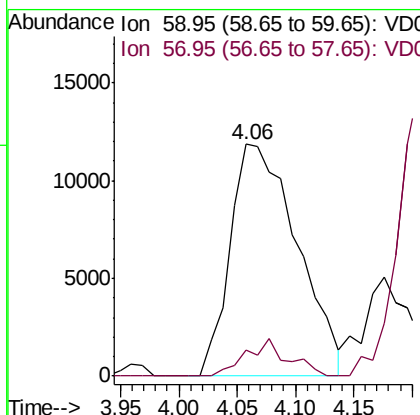
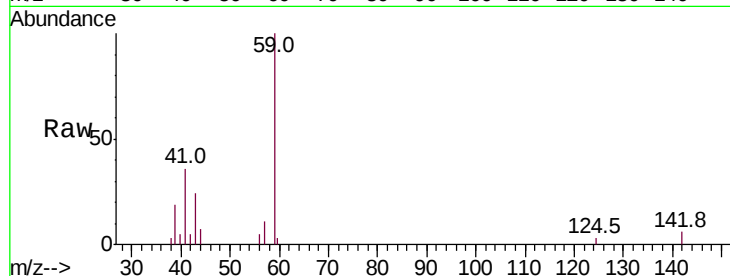


#11

Tert butyl alcohol
 Concen: 105.077 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

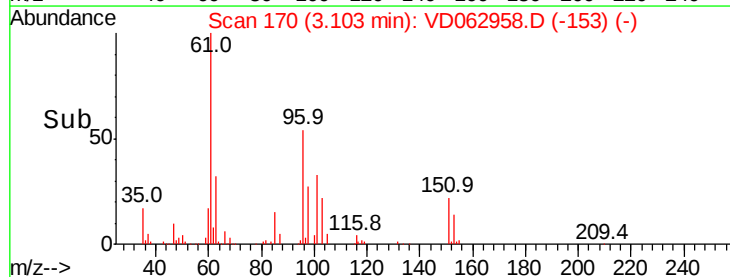
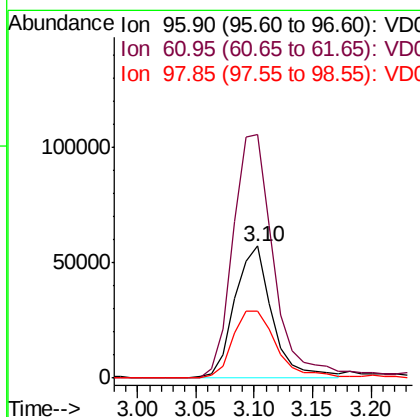
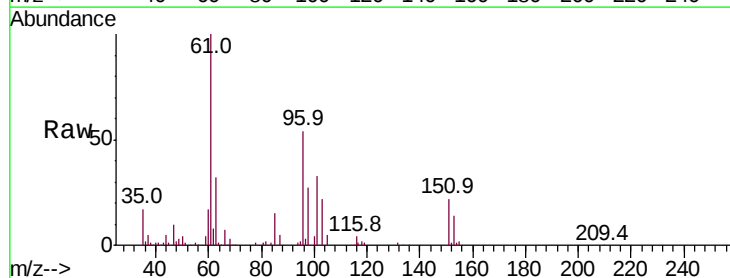
Tot Ion: 59 Resp: 47223
 Ion Ratio Lower Upper
 59 100
 57 11.4 6.6 10.0#

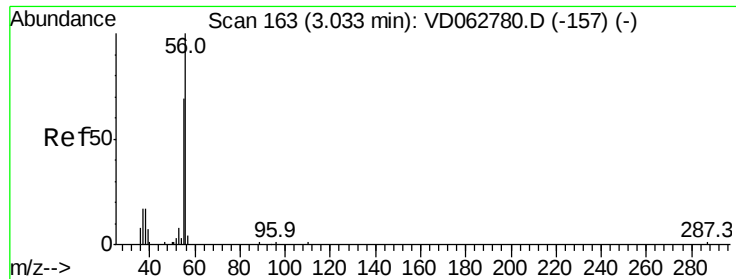


#12

1,1-Dichloroethene
 Concen: 17.865 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 96 Resp: 128710
 Ion Ratio Lower Upper
 96 100
 61 185.0 147.1 220.7
 98 50.4 52.6 79.0#





#13

Acrolein

Concen: 67.461 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

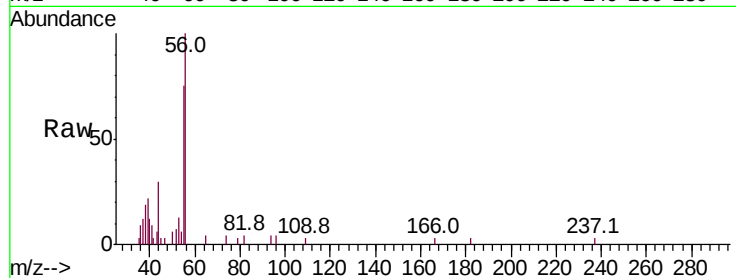
VD0628SBS01

Tot Ion: 56 Resp: 30951

Ion Ratio Lower Upper

56 100

55 74.8 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

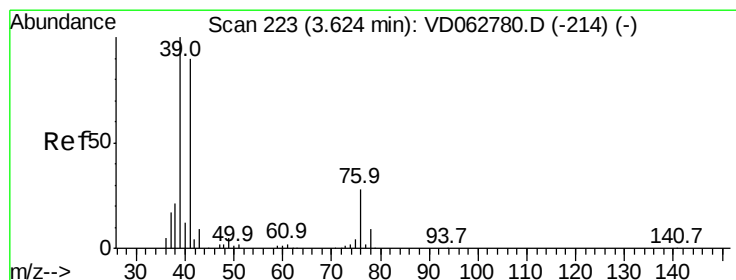
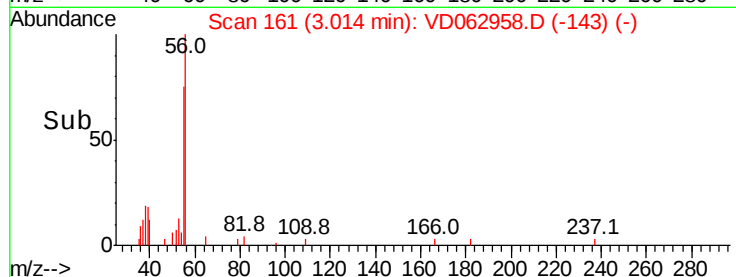
3.01

10000

5000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 19.577 ug/l

RT: 3.59 min Scan# 219

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

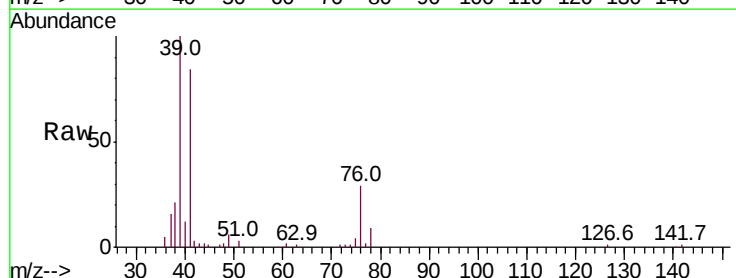
Tgt Ion: 41 Resp: 208403

Ion Ratio Lower Upper

41 100

39 118.5 88.8 133.2

76 34.6 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

120000

100000

80000

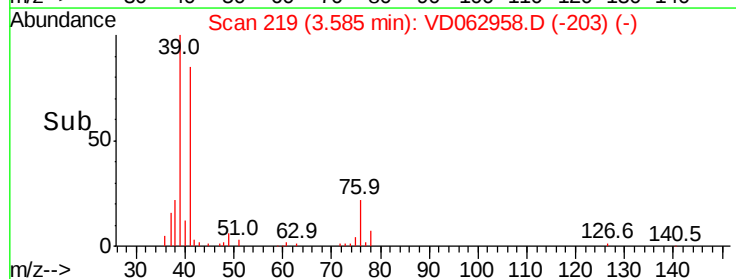
60000

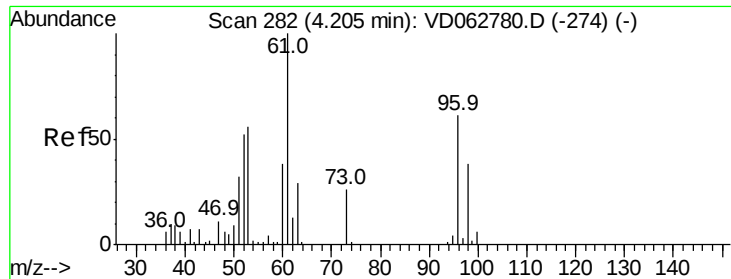
40000

20000

0

Time--> 3.40 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 103.646 ug/l

RT: 4.18 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

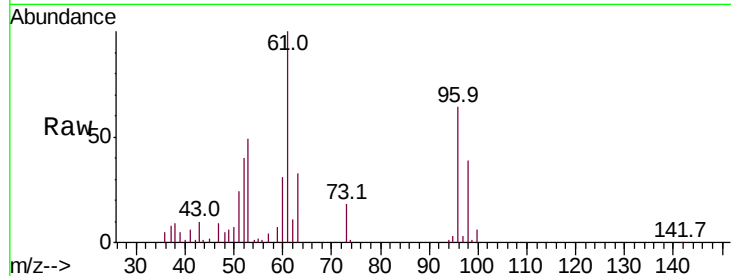
Tot Ion: 53 Resp: 109450

Ion Ratio Lower Upper

53 100

52 82.9 73.3 109.9

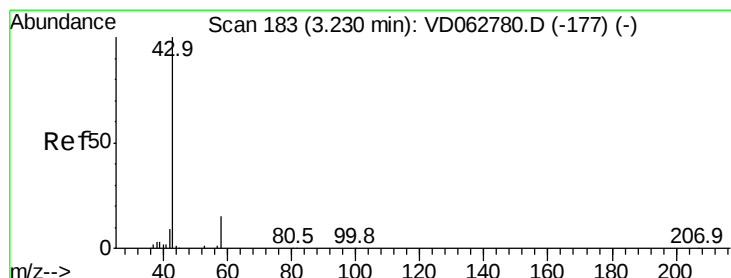
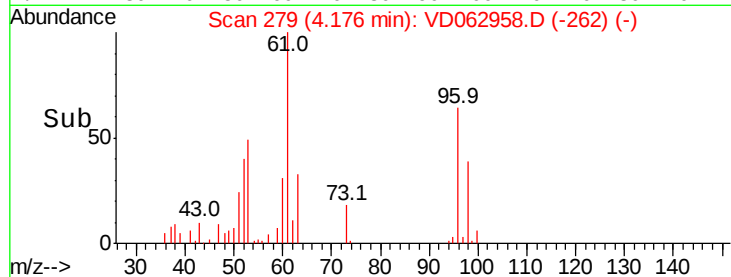
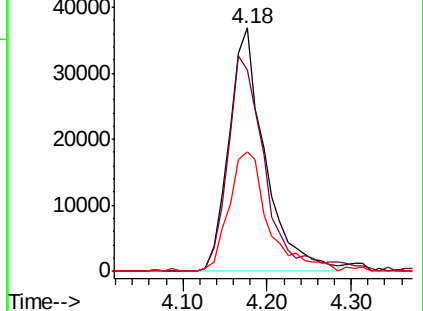
51 49.0 44.8 67.2



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: 86.704 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062958.D

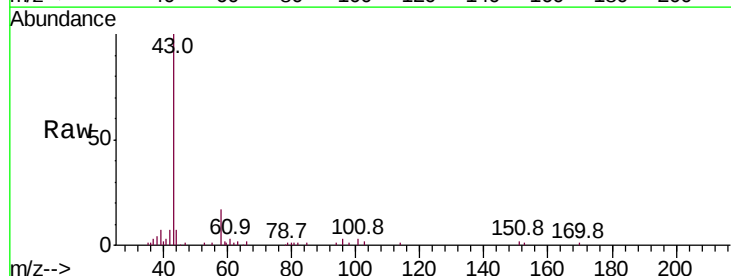
Acq: 28 Jun 2019 11:33

Tgt Ion: 43 Resp: 182641

Ion Ratio Lower Upper

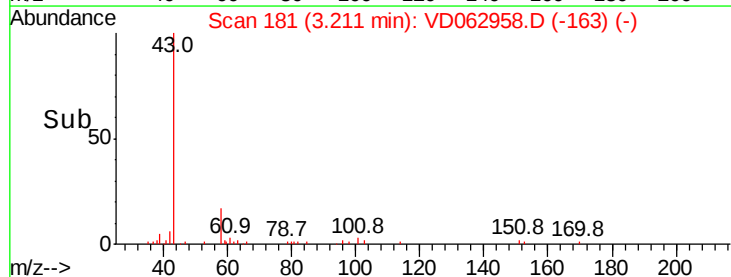
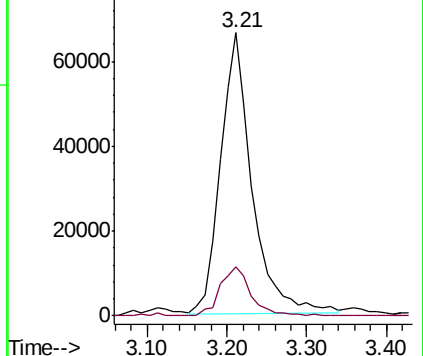
43 100

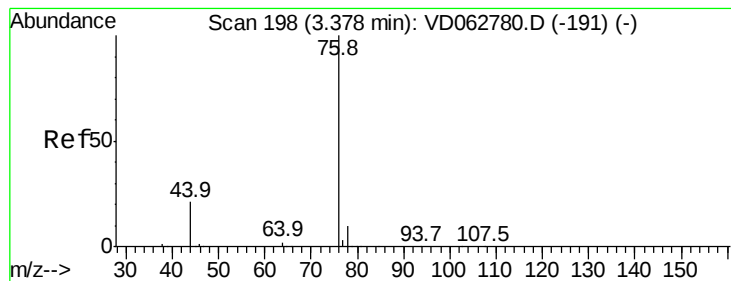
58 17.3 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.235 ug/l

RT: 3.34 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

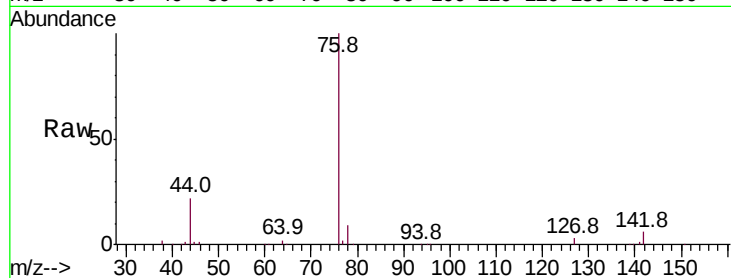
VD0628SBS01

Tot Ion: 76 Resp: 419856

Ion Ratio Lower Upper

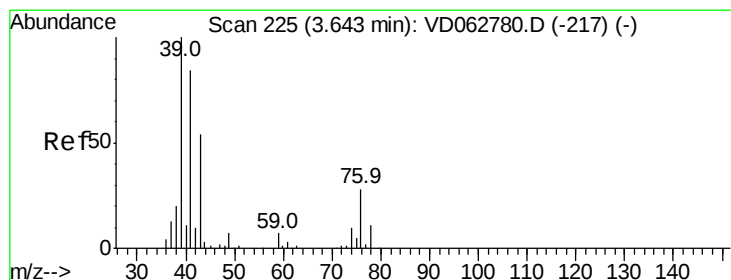
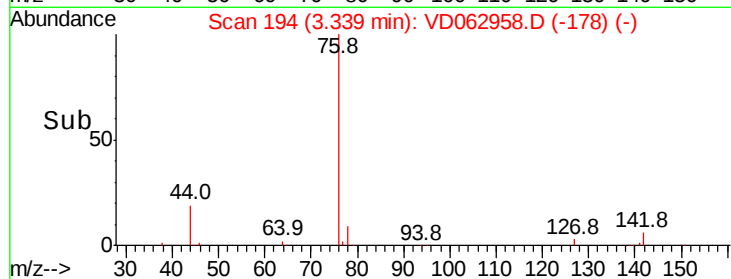
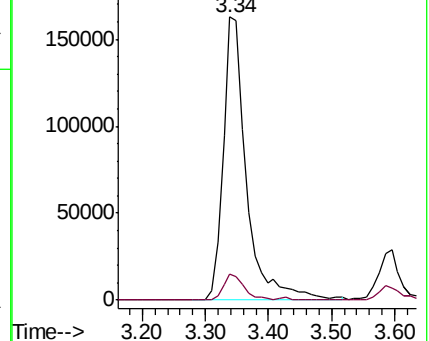
76 100

78 9.2 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 26.032 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062958.D

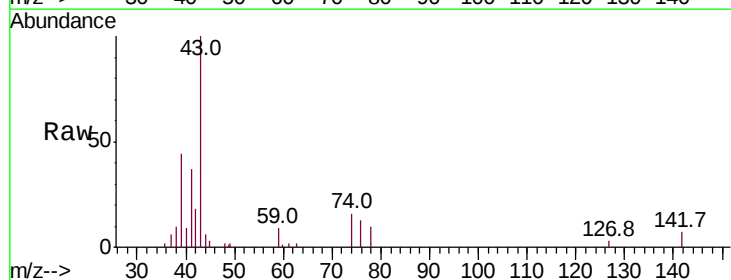
Acq: 28 Jun 2019 11:33

Tgt Ion: 43 Resp: 77542

Ion Ratio Lower Upper

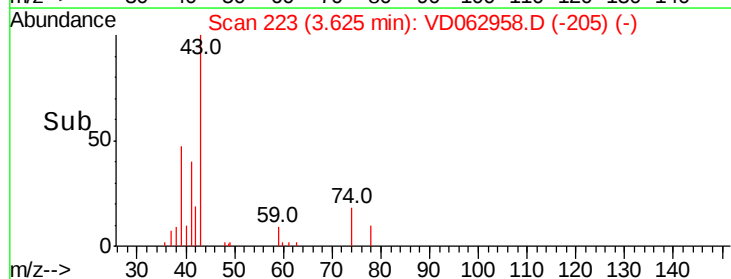
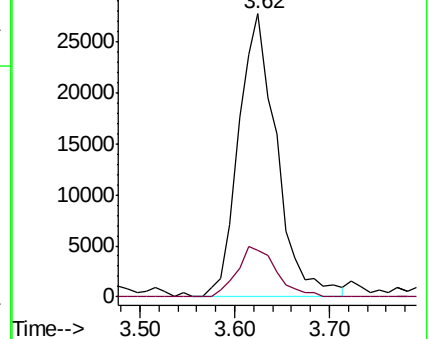
43 100

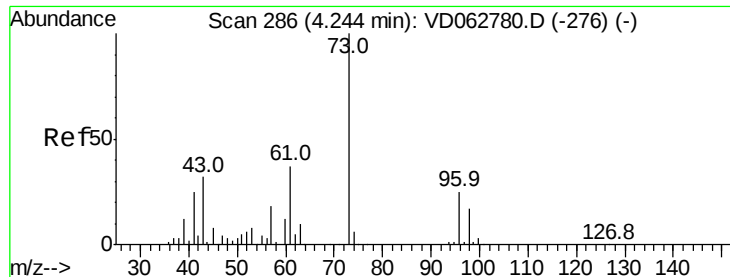
74 16.5 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



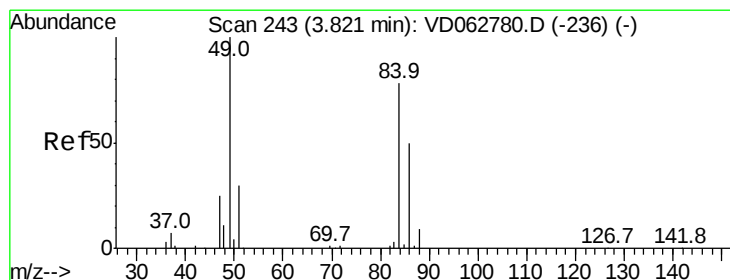
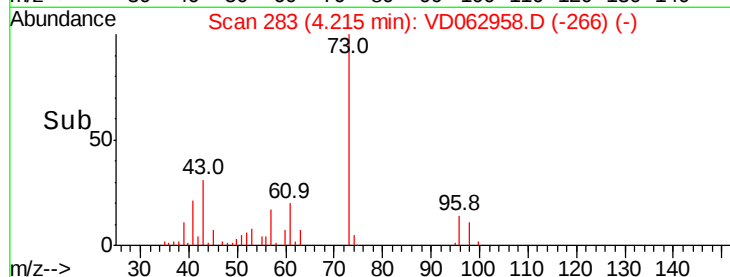
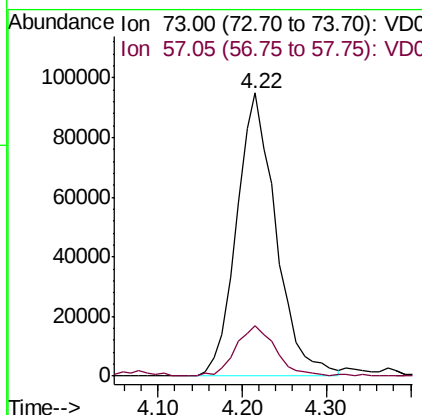
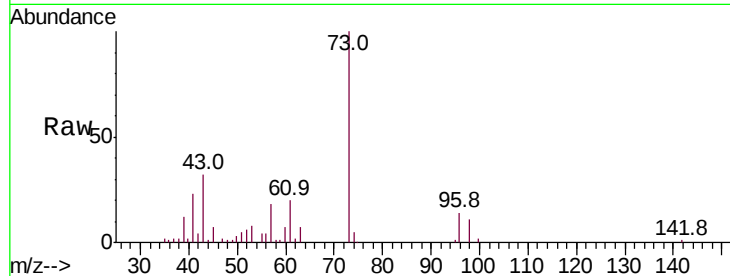


#19

Methyl tert-butyl Ether
 Concen: 19.875 ug/l
 RT: 4.22 min Scan# 283
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

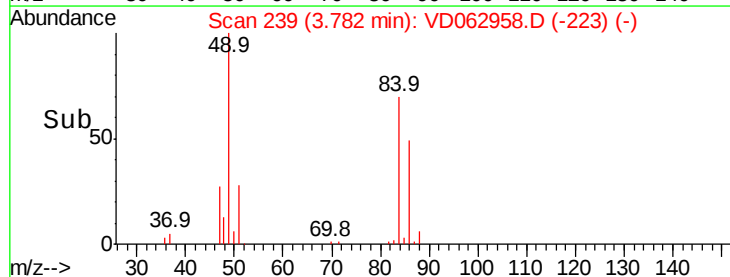
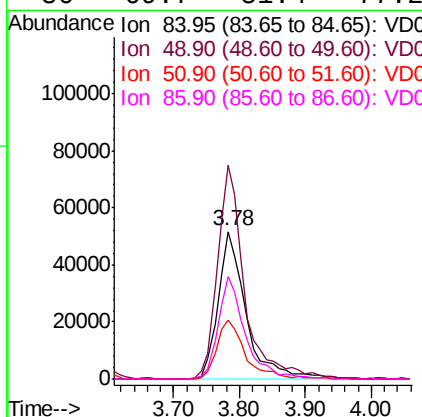
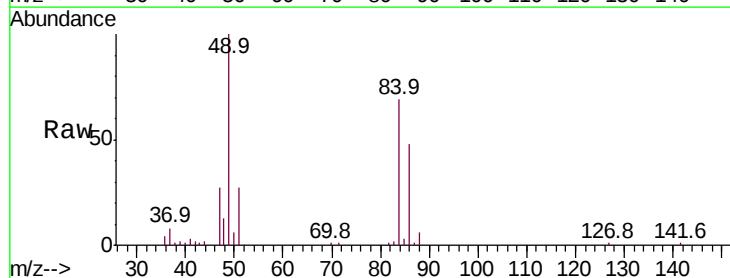
Tot Ion: 73 Resp: 309984
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.3 21.5

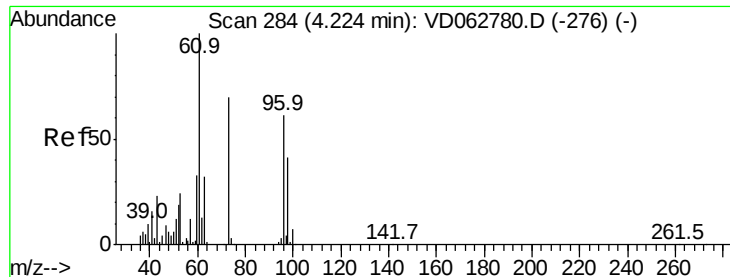


#20

Methylene Chloride
 Concen: 20.347 ug/l
 RT: 3.78 min Scan# 239
 Delta R.T. -0.04 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 84 Resp: 153122
 Ion Ratio Lower Upper
 84 100
 49 144.5 102.9 154.3
 51 39.7 31.2 46.8
 86 69.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.656 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

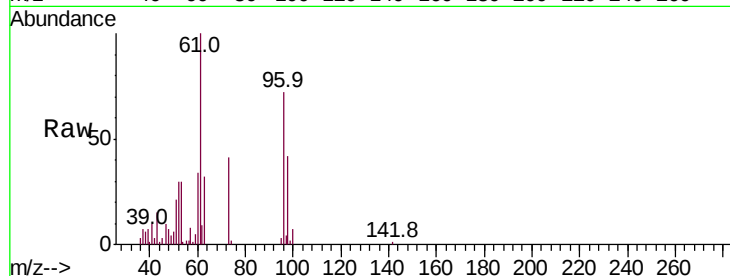
Tot Ion: 96 Resp: 158459

Ion Ratio Lower Upper

96 100

61 138.8 131.0 196.4

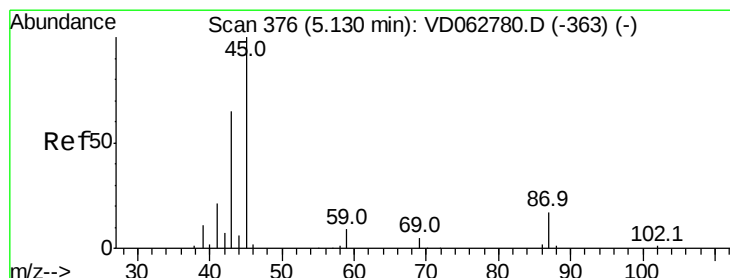
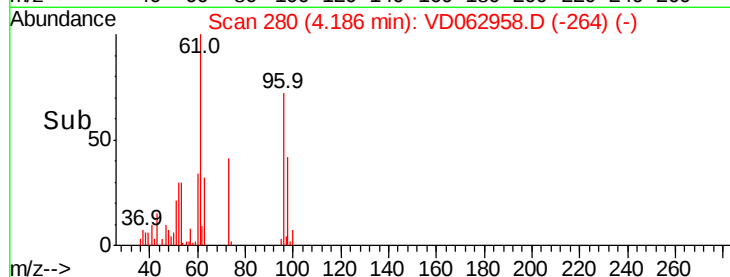
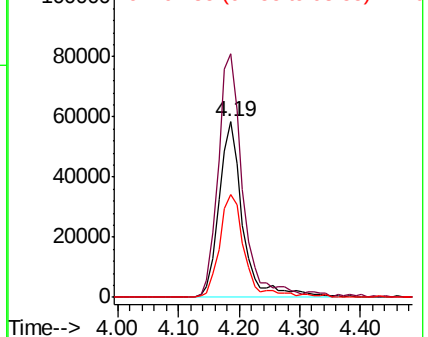
98 58.6 53.2 79.8



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: 20.086 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Tgt Ion: 45 Resp: 434842

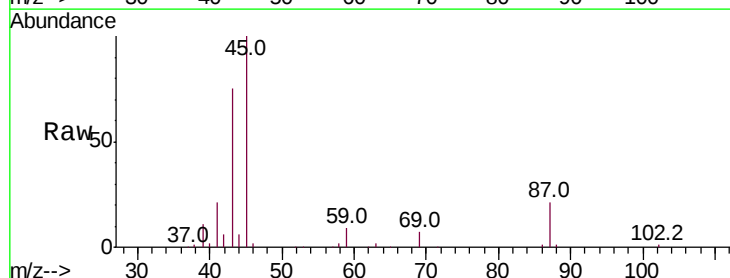
Ion Ratio Lower Upper

45 100

43 75.4 53.4 80.0

87 20.7 14.6 22.0

59 9.1 7.8 11.8

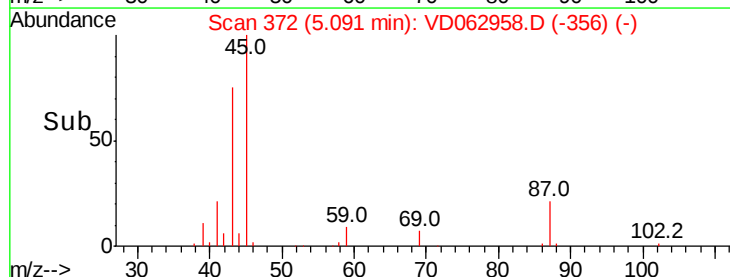
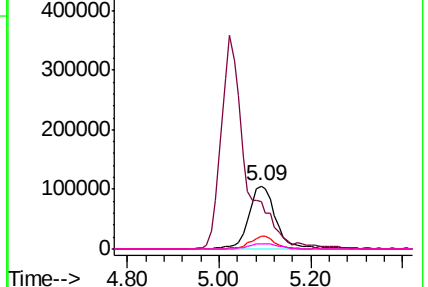


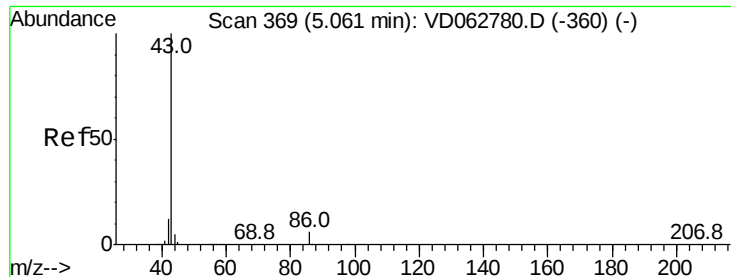
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 98.754 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

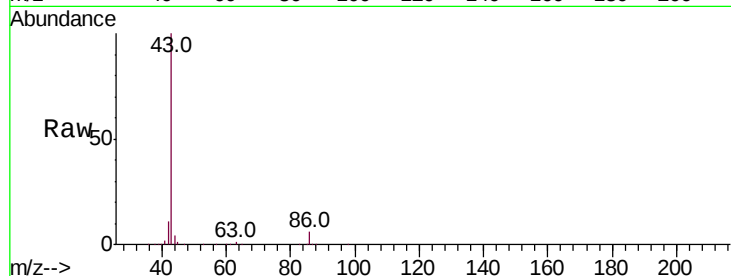
VD0628SBS01

Tot Ion: 43 Resp: 1337804

Ion Ratio Lower Upper

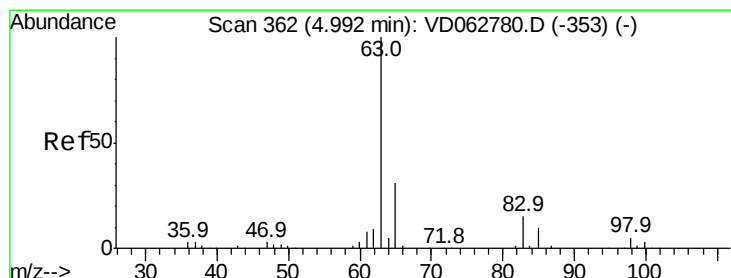
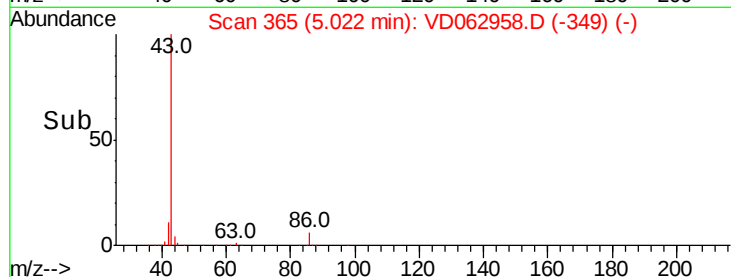
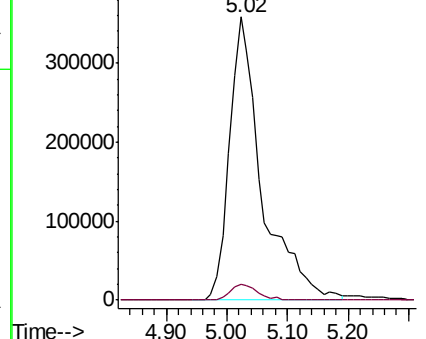
43 100

86 5.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.456 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

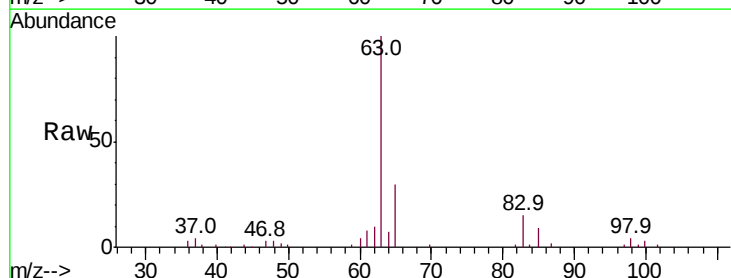
Tgt Ion: 63 Resp: 260145

Ion Ratio Lower Upper

63 100

98 3.9 2.3 6.9

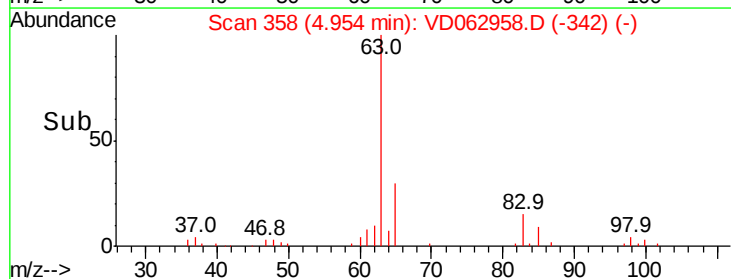
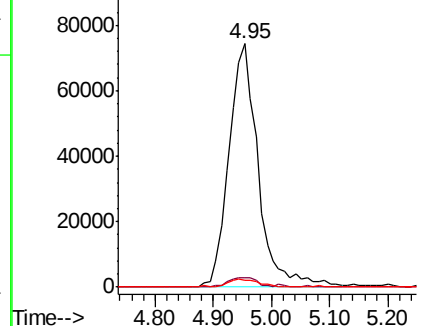
100 2.7 1.7 5.1

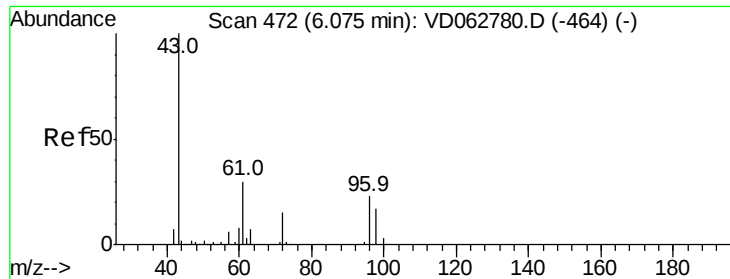


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 109.952 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

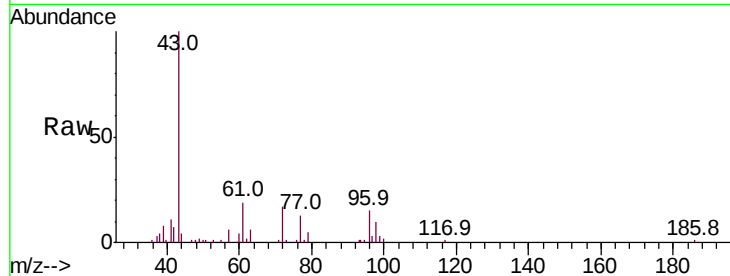
VD0628SBS01

Tot Ion: 43 Resp: 202918

Ion Ratio Lower Upper

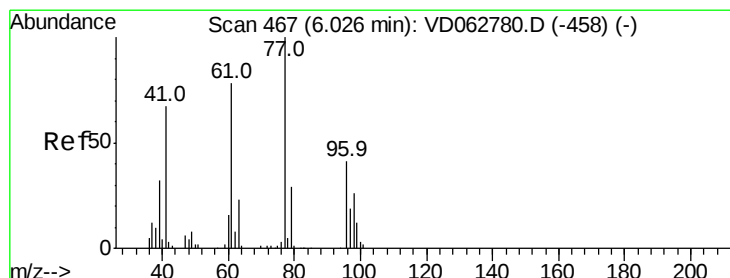
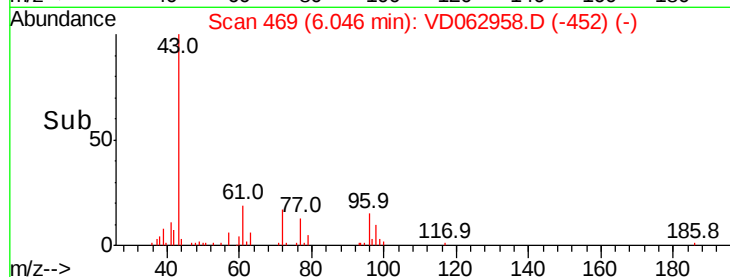
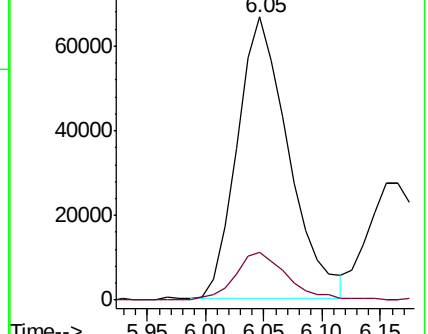
43 100

72 16.8 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: 19.485 ug/l

RT: 5.99 min Scan# 463

Delta R.T. -0.04 min

Lab File: VD062958.D

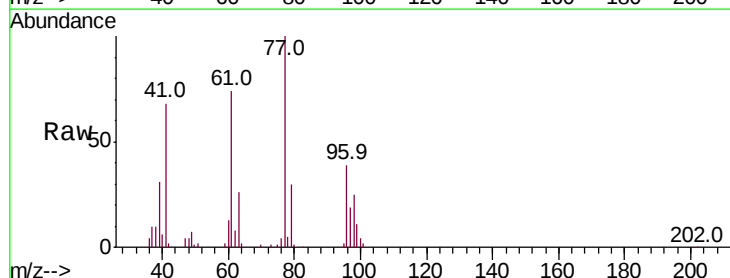
Acq: 28 Jun 2019 11:33

Tgt Ion: 77 Resp: 291114

Ion Ratio Lower Upper

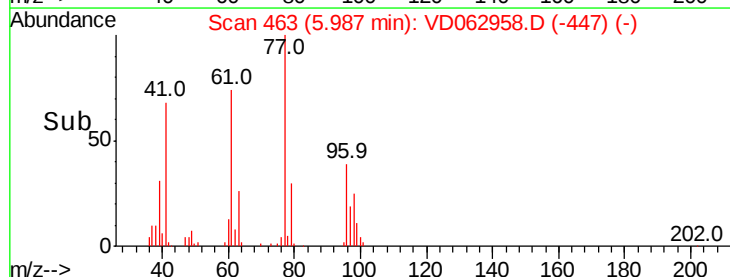
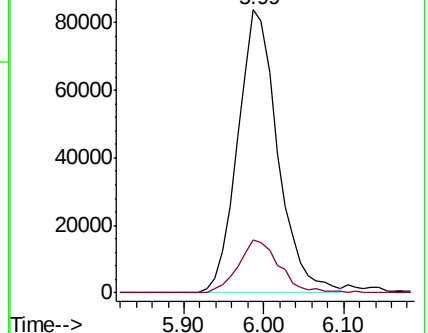
77 100

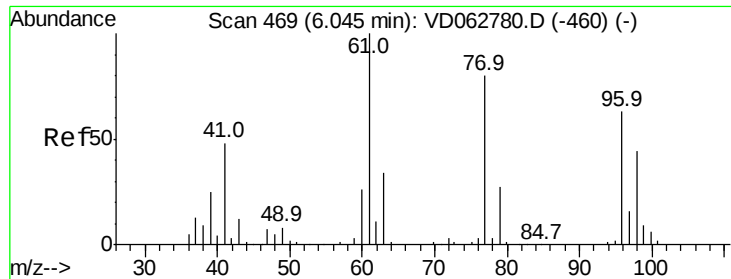
97 18.7 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



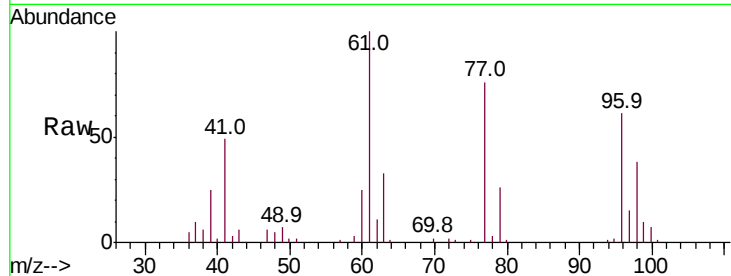


#27

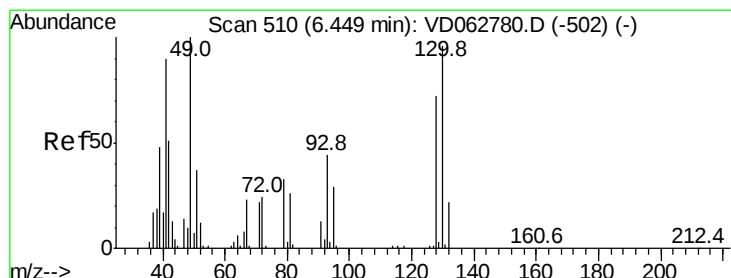
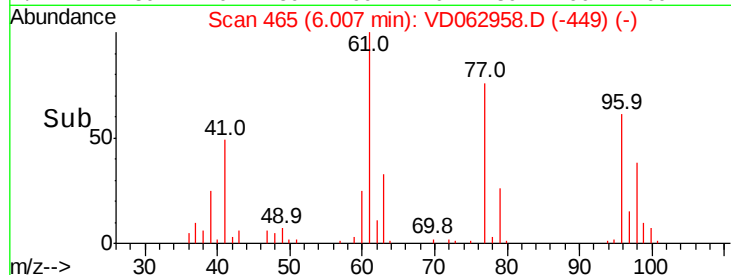
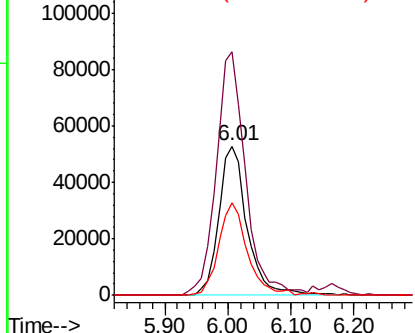
cis-1,2-Dichloroethene
Concen: 20.333 ug/l
RT: 6.01 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion: 96 Resp: 164944
Ion Ratio Lower Upper
96 100
61 162.9 0.0 316.0
98 61.6 0.0 138.4



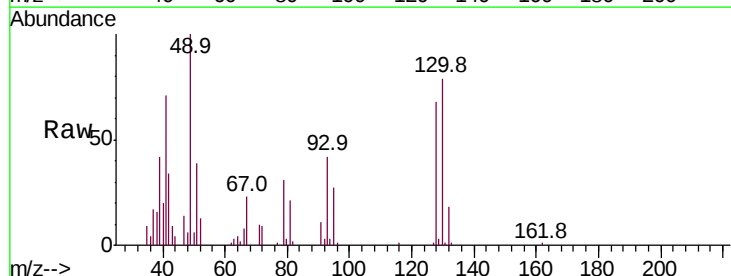
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



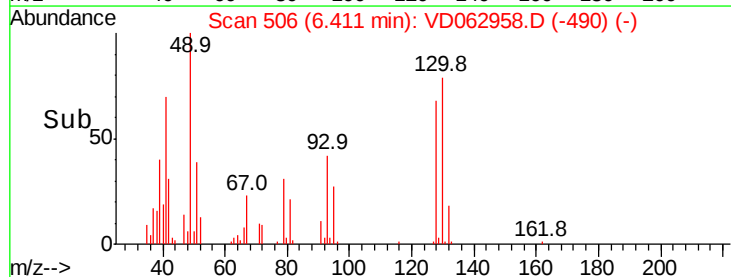
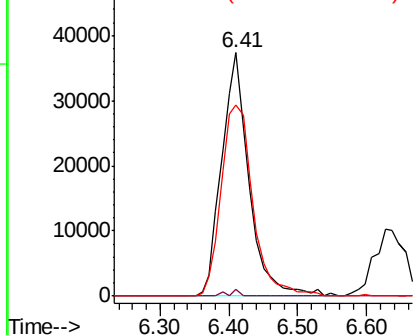
#28

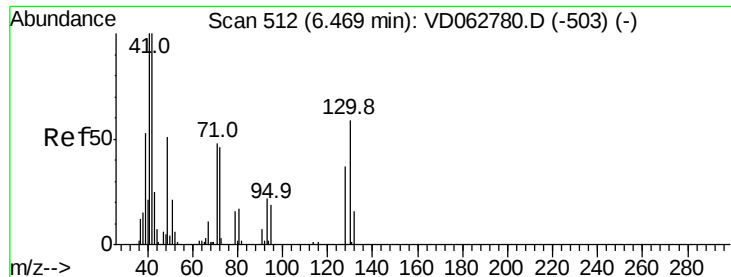
Bromochloromethane
Concen: 20.670 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 49 Resp: 102612
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.6
130 78.6 76.6 114.8



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

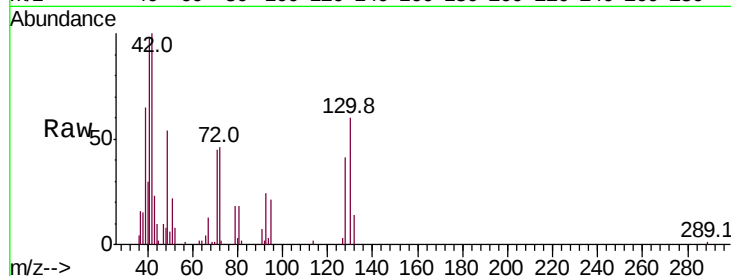




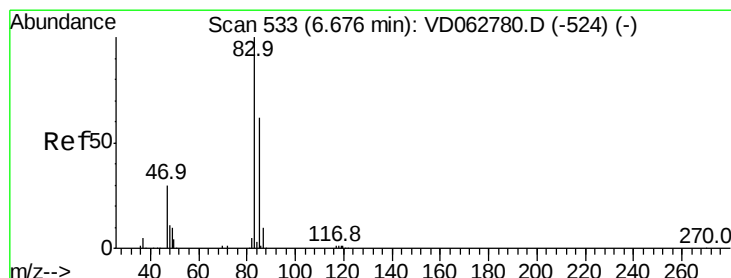
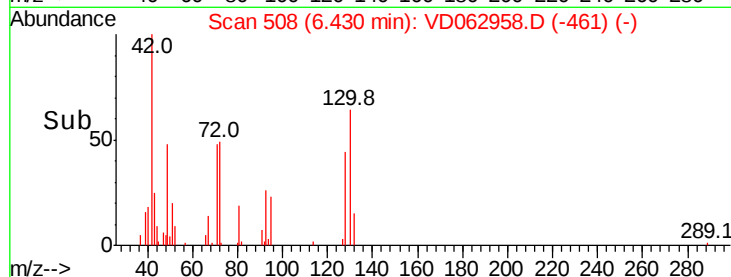
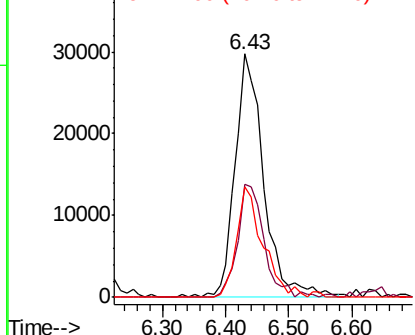
#29
Tetrahydrofuran
Concen: 106.594 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.0	52.6
71	42.0	33.3	49.9

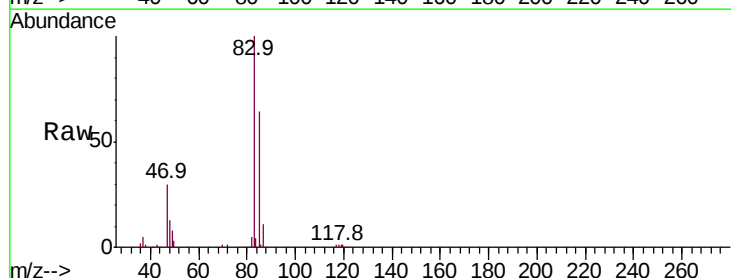


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

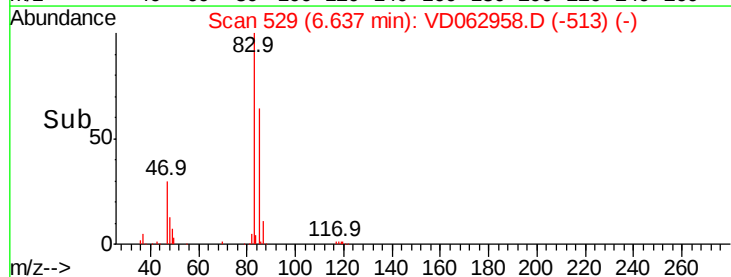
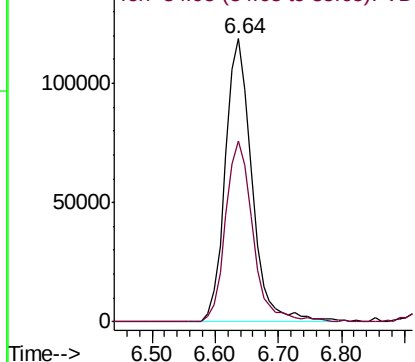


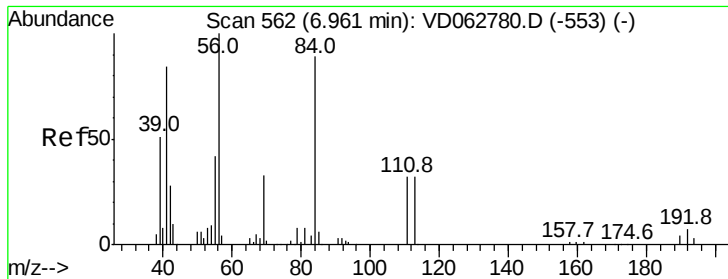
#30
Chloroform
Concen: 20.227 ug/l
RT: 6.64 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.8	74.6



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

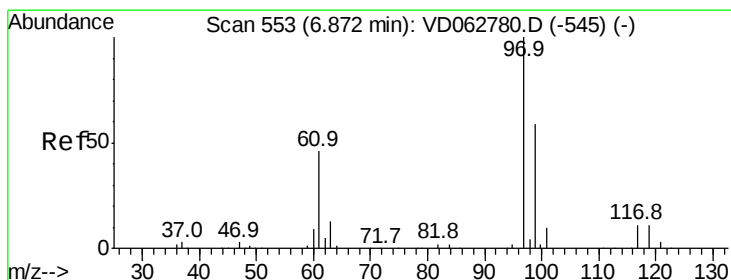
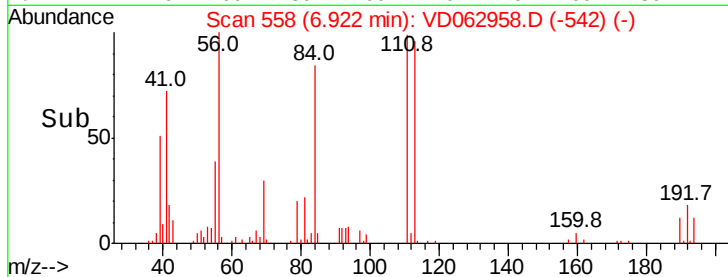
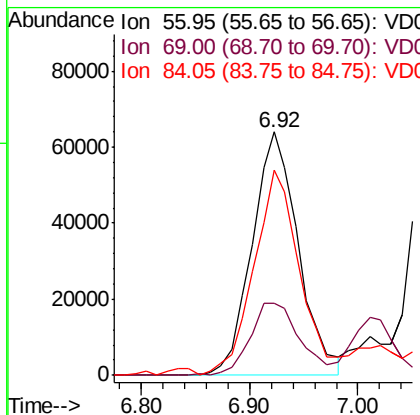
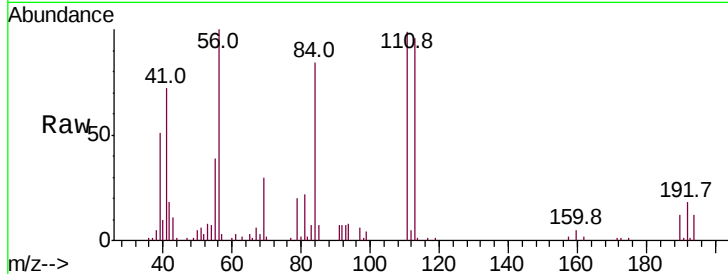




#31
Cyclohexane
Concen: 20.399 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

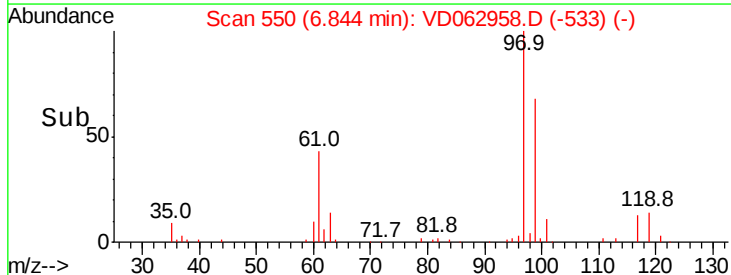
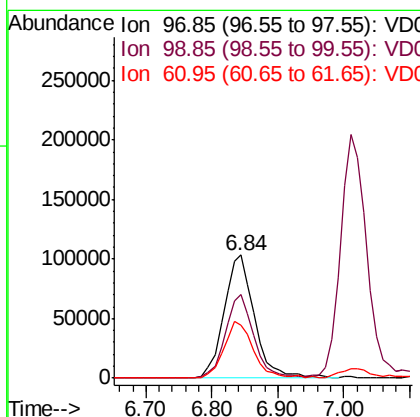
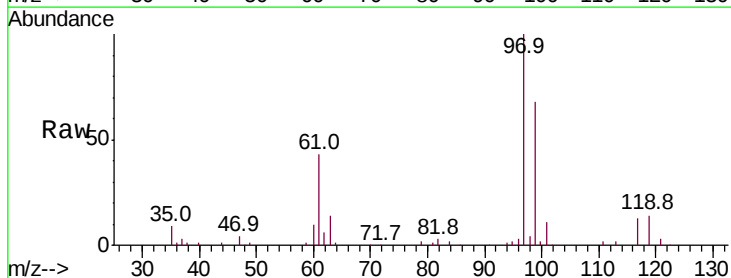
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

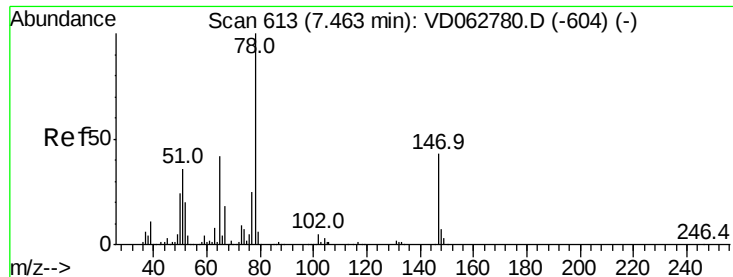
Tot Ion: 56 Resp: 189023
Ion Ratio Lower Upper
56 100
69 29.6 26.6 39.8
84 84.3 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 18.636 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 97 Resp: 332744
Ion Ratio Lower Upper
97 100
99 67.7 47.4 71.2
61 43.3 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 47.951 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

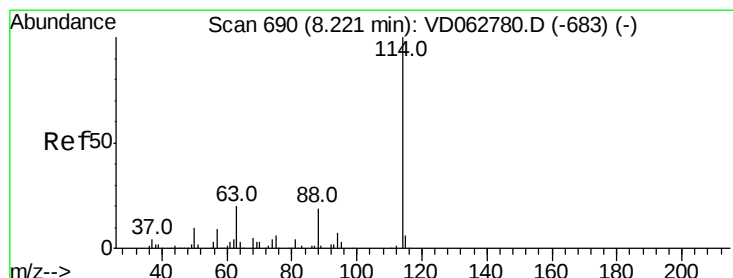
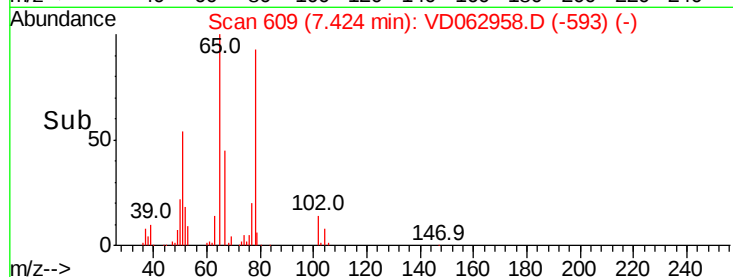
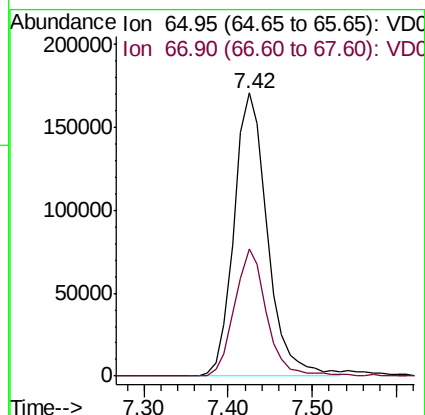
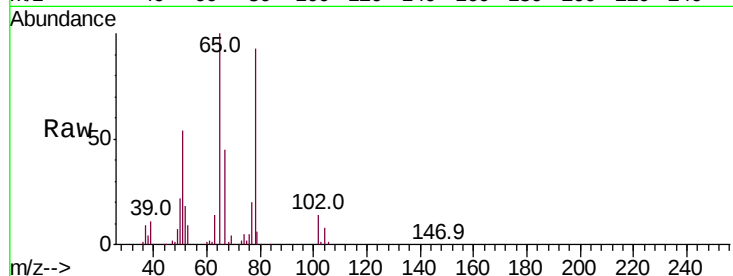
VD0628SBSD01

Tot Ion: 65 Resp: 473156

Ion Ratio Lower Upper

65 100

67 45.1 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

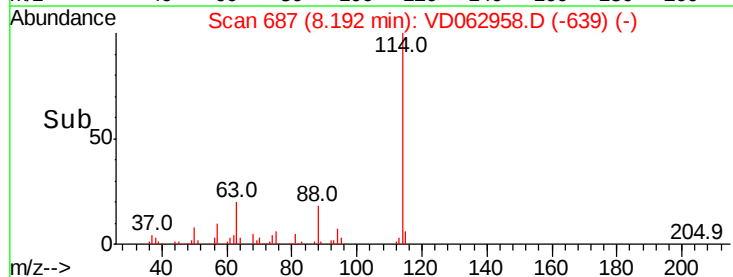
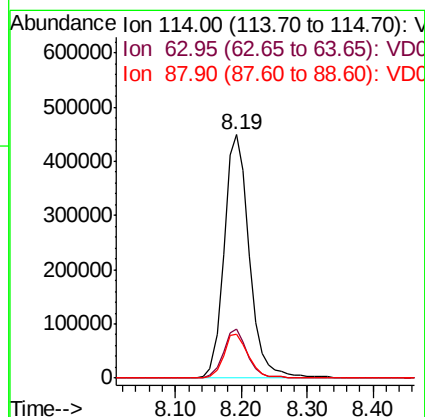
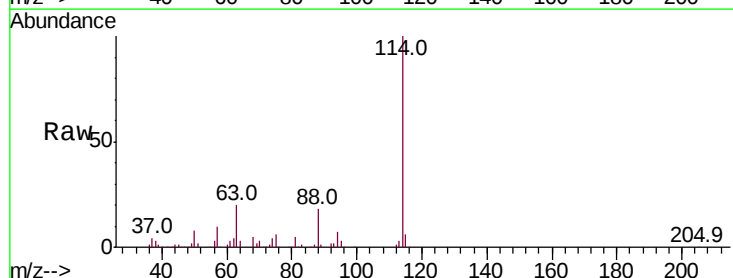
Tgt Ion: 114 Resp: 1198913

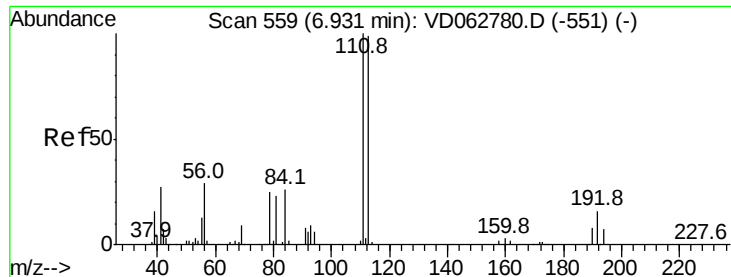
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 18.0 0.0 38.8

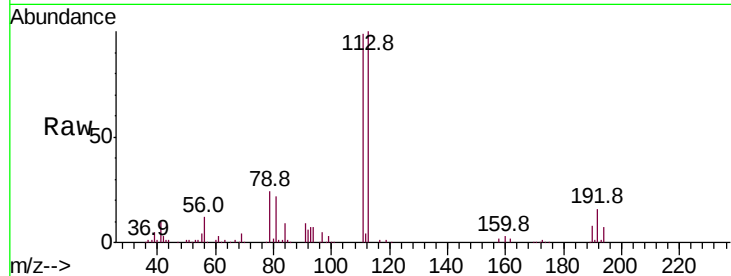




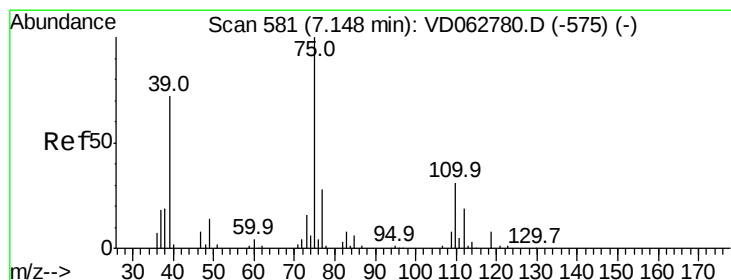
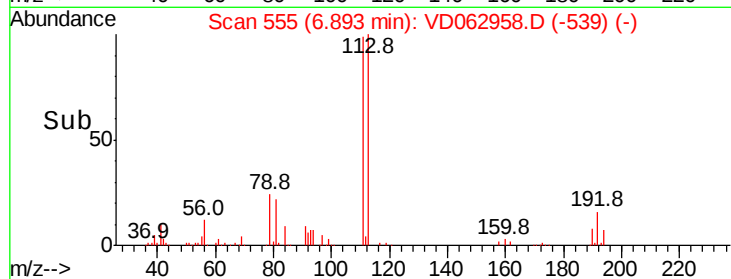
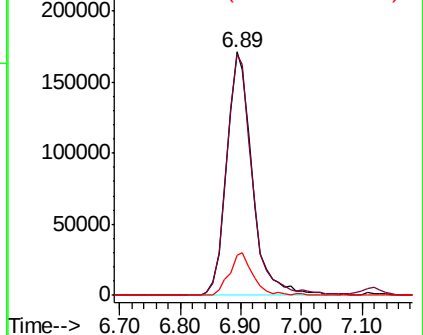
#35
 Dibromofluoromethane
 Concen: 49.458 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.2	121.8
192	16.4	12.9	19.3

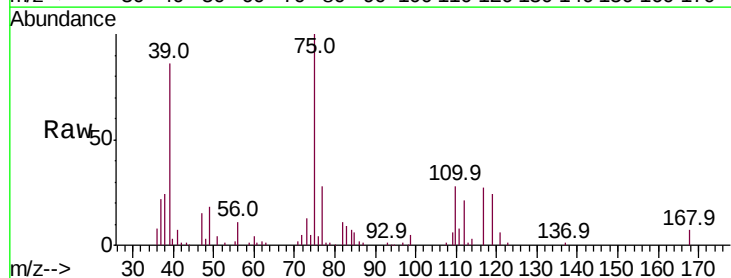


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

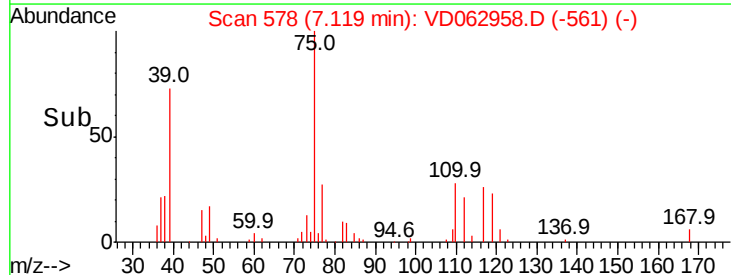
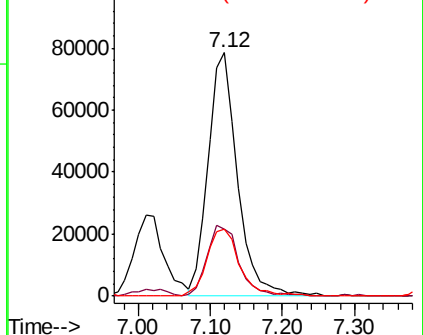


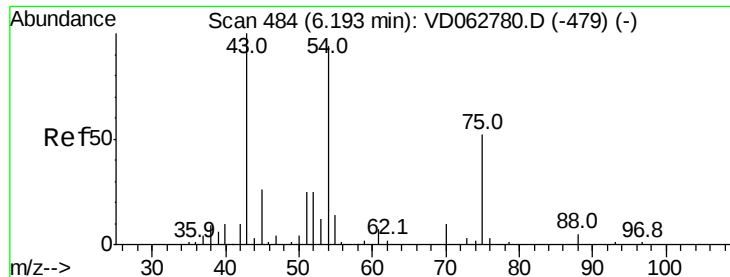
#36
 1,1-Dichloropropene
 Concen: 19.392 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.5	15.0	45.1
77	27.7	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

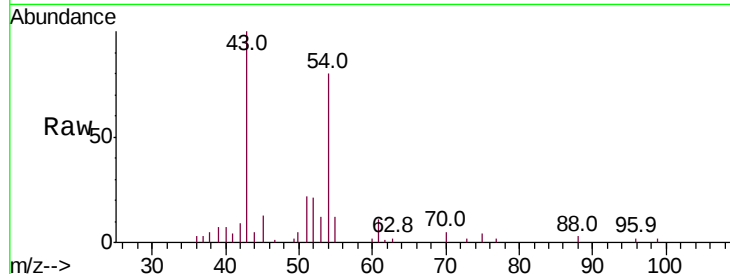




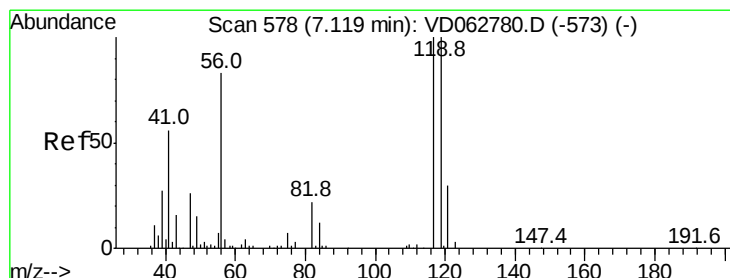
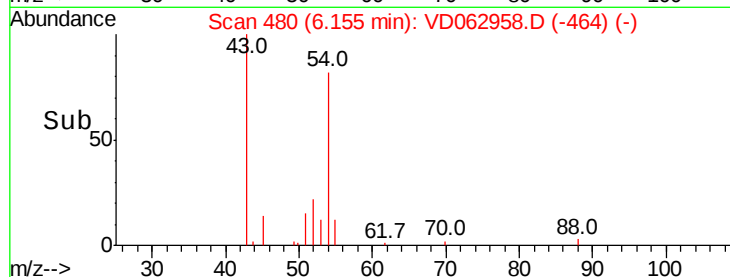
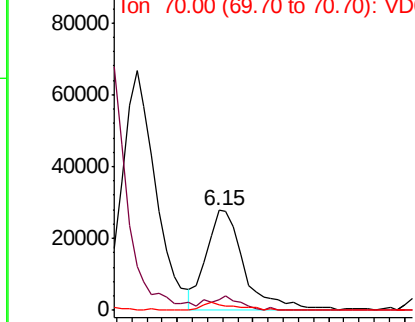
#37
Ethyl Acetate
Concen: 19.782 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion: 43 Resp: 97486
Ion Ratio Lower Upper
43 100
61 10.7 11.6 17.4#
70 4.9 6.4 9.6#

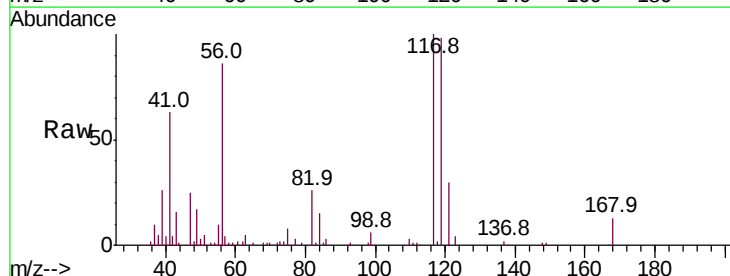


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

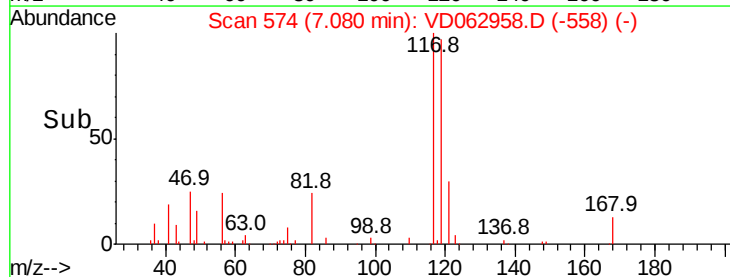
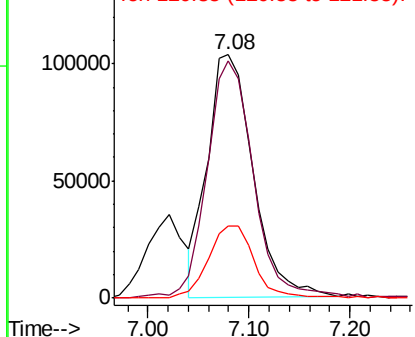


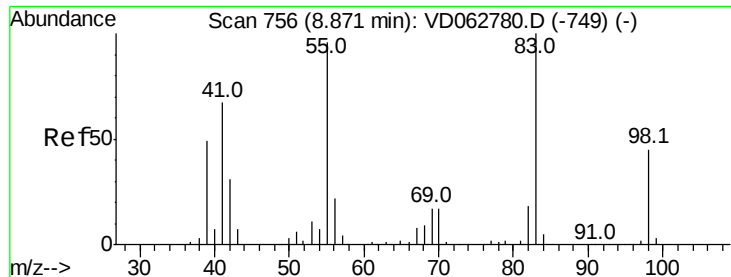
#38
Carbon Tetrachloride
Concen: 18.987 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 117 Resp: 324087
Ion Ratio Lower Upper
117 100
119 97.6 75.4 113.2
121 29.7 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

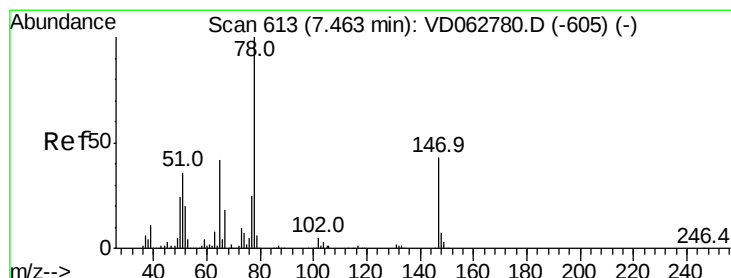
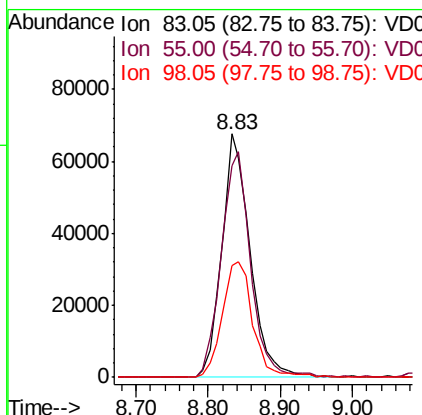
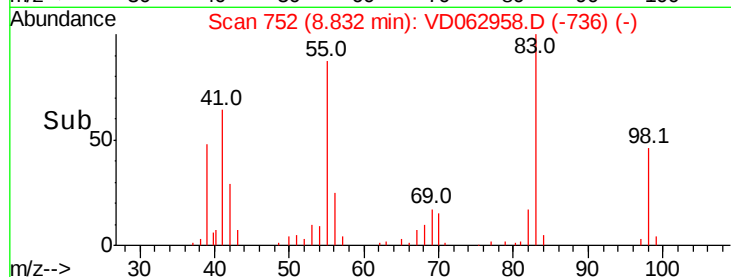
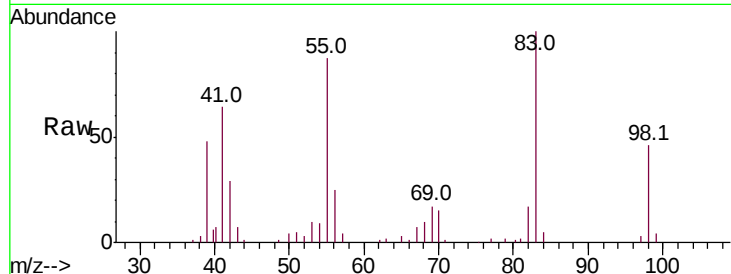




#39
Methvlcvclohexane
Concen: 18.355 ug/l
RT: 8.83 min Scan# 752
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

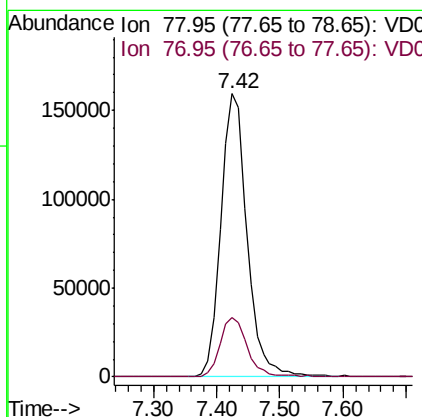
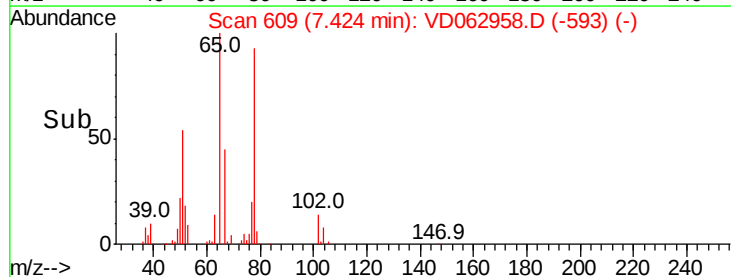
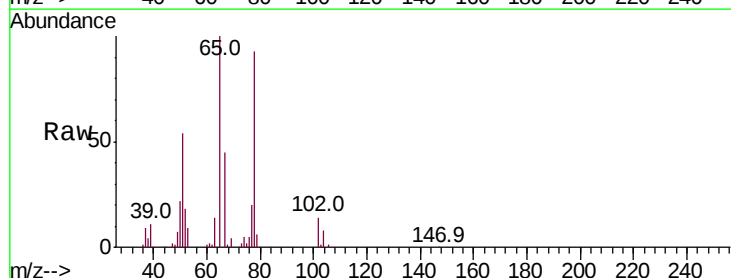
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

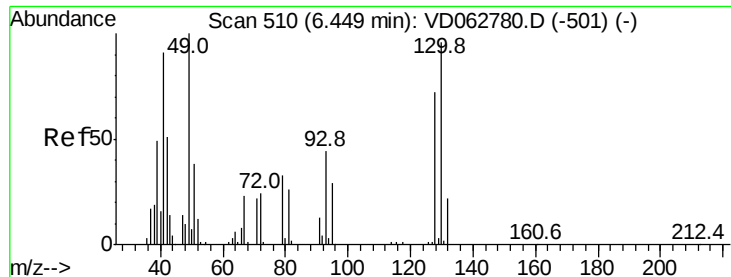
Tot Ion: 83 Resp: 183374
Ion Ratio Lower Upper
83 100
55 86.8 76.6 115.0
98 46.0 35.7 53.5



#40
Benzene
Concen: 20.203 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 78 Resp: 460260
Ion Ratio Lower Upper
78 100
77 21.2 20.2 30.2

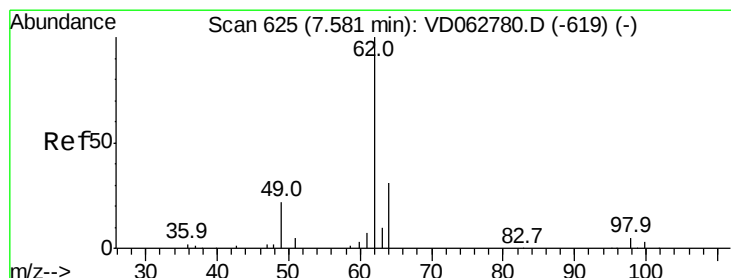
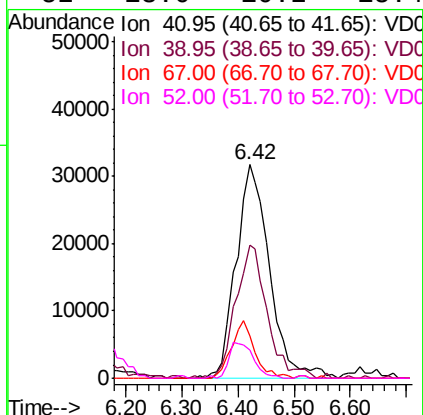
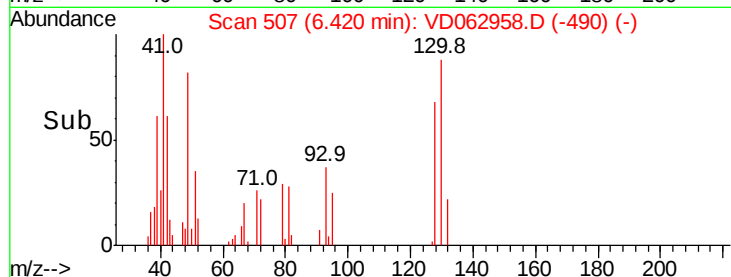
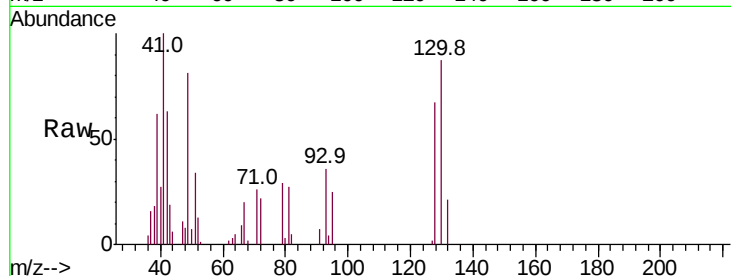




#41
Methacrylonitrile
Concen: 21.756 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

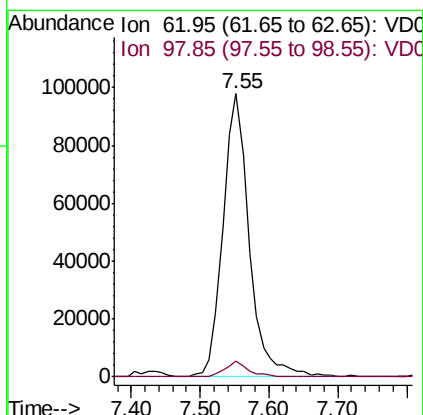
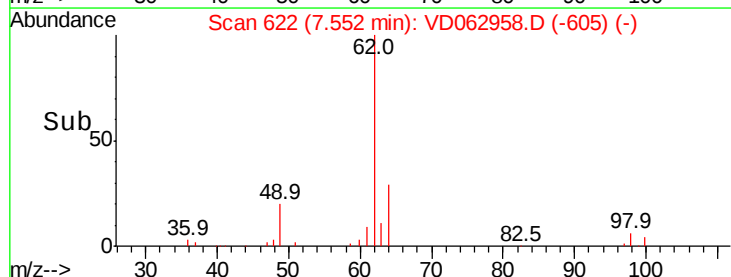
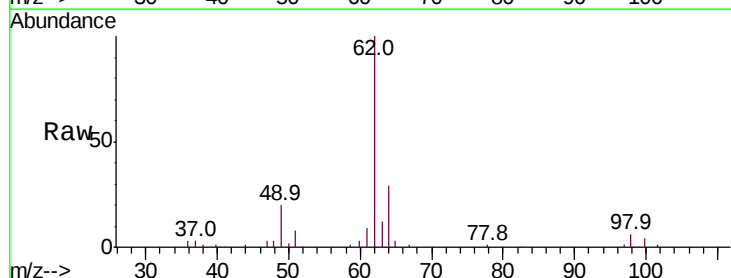
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

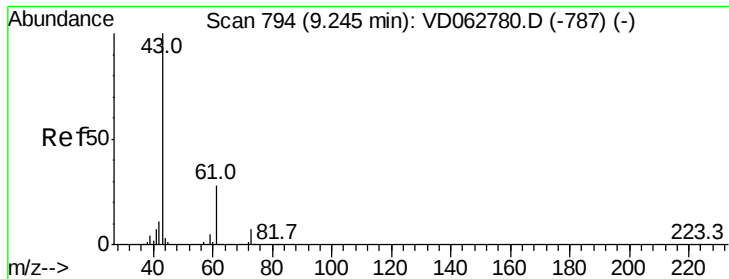
Tot Ion: 41 Resp: 130217
Ion Ratio Lower Upper
41 100
39 62.1 43.2 64.8
67 19.6 19.9 29.9#
52 13.0 10.2 15.4



#42
1,2-Dichloroethane
Concen: 20.845 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 62 Resp: 259061
Ion Ratio Lower Upper
62 100
98 5.7 0.0 10.0



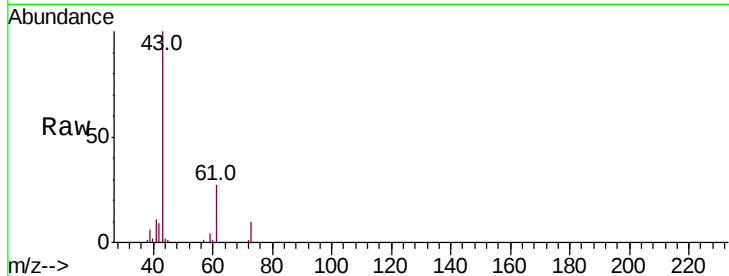


#43

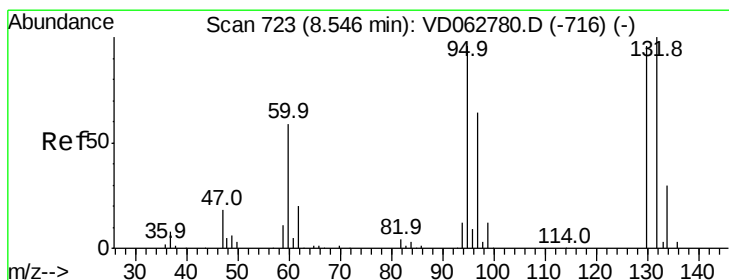
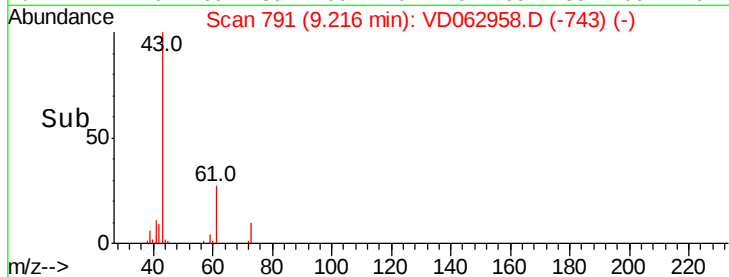
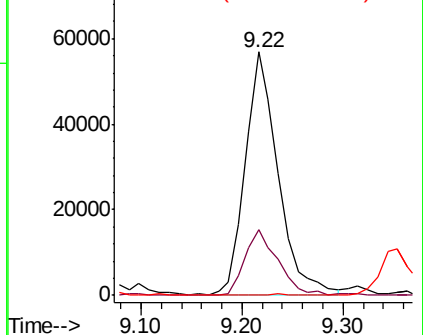
Isopropyl Acetate
 Concen: 21.783 ug/l
 RT: 9.22 min Scan# 791
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Tot Ion: 43 Resp: 129611
 Ion Ratio Lower Upper
 43 100
 61 27.0 22.4 33.6
 87 0.0 0.3 0.5#



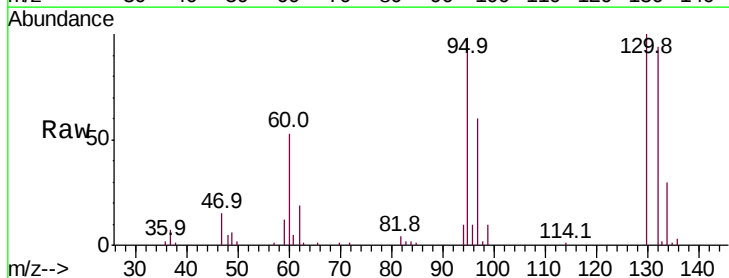
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



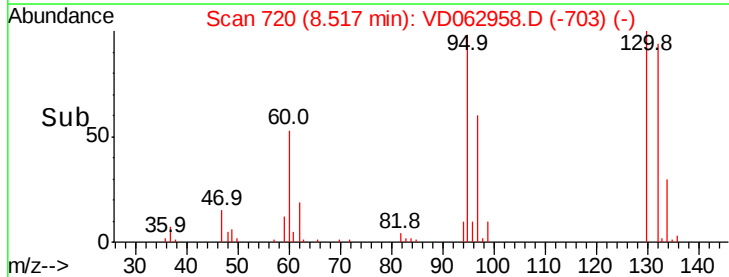
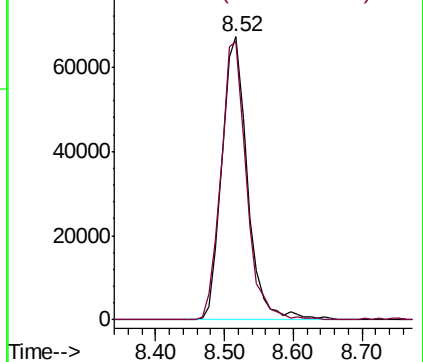
#44

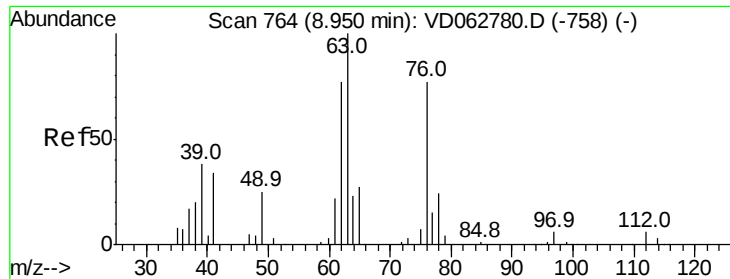
Trichloroethene
 Concen: 19.307 ug/l
 RT: 8.52 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion:130 Resp: 172439
 Ion Ratio Lower Upper
 130 100
 95 98.2 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: 20.008 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

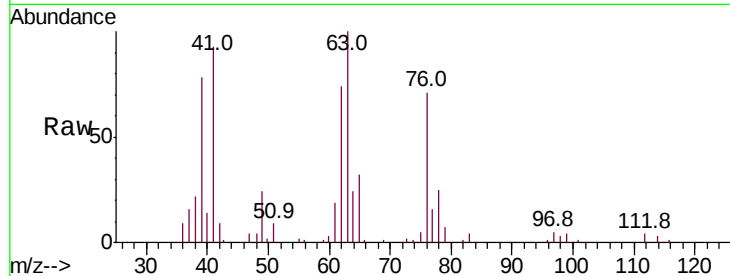
VD0628SBSD01

Tot Ion: 63 Resp: 113344

Ion Ratio Lower Upper

63 100

65 32.0 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

50000

40000

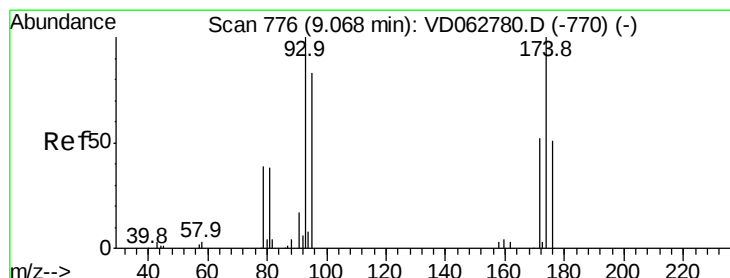
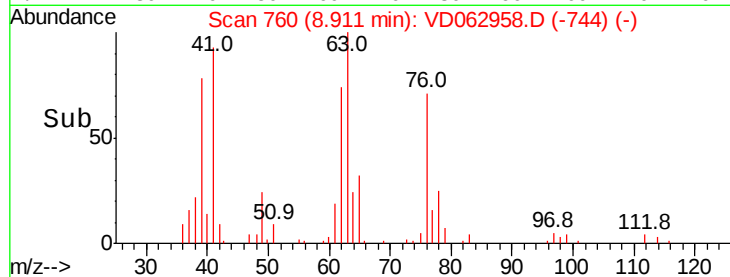
30000

20000

10000

0

Time--> 8.80 8.90 9.00



#46

Dibromomethane

Concen: 20.163 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

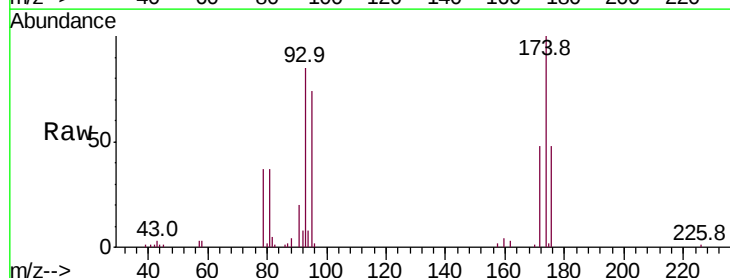
Tgt Ion: 93 Resp: 98117

Ion Ratio Lower Upper

93 100

95 87.4 66.6 100.0

174 117.4 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

60000

50000

40000

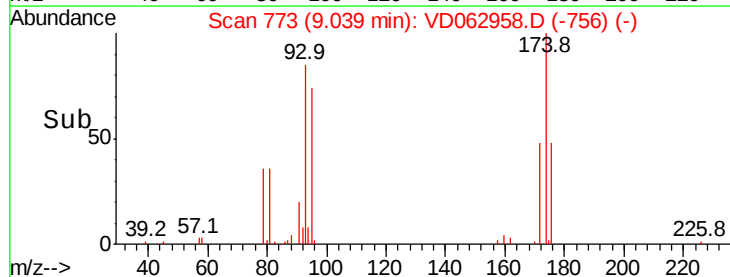
30000

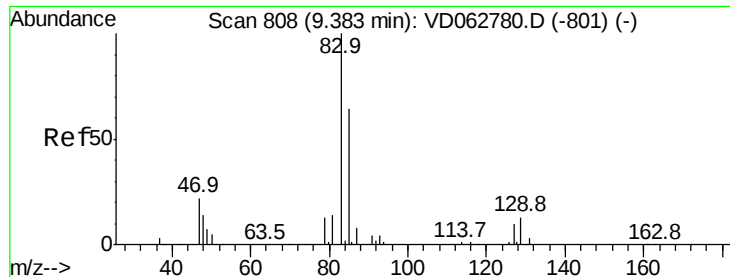
20000

10000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 20.220 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

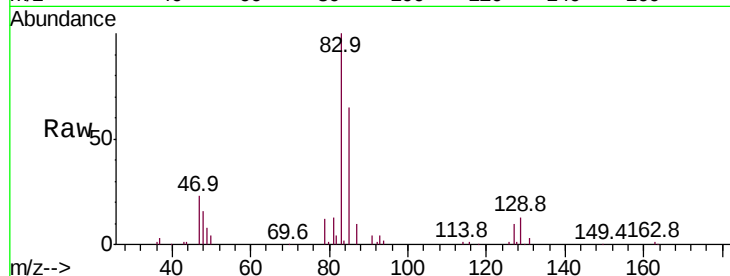
Tot Ion: 83 Resp: 255538

Ion Ratio Lower Upper

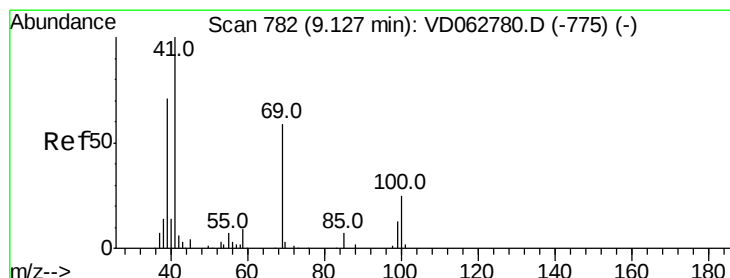
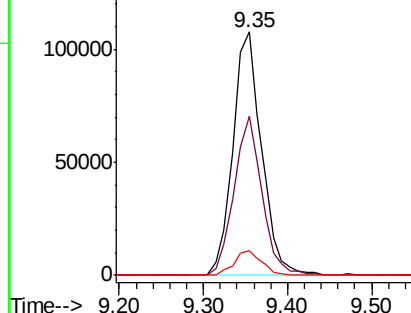
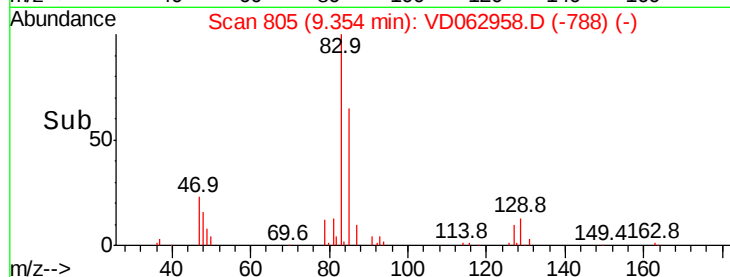
83 100

85 65.2 51.6 77.4

127 10.1 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: 20.880 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

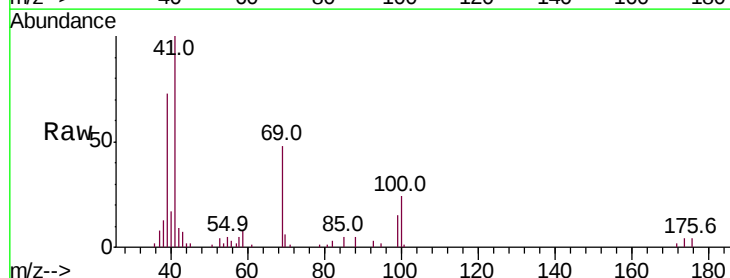
Tgt Ion: 41 Resp: 88289

Ion Ratio Lower Upper

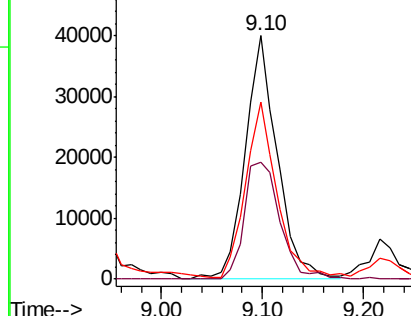
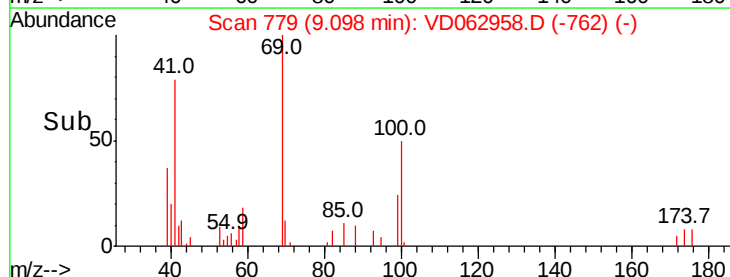
41 100

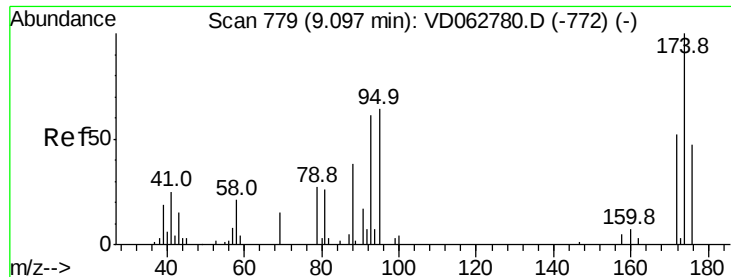
69 48.2 47.2 70.8

39 72.7 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

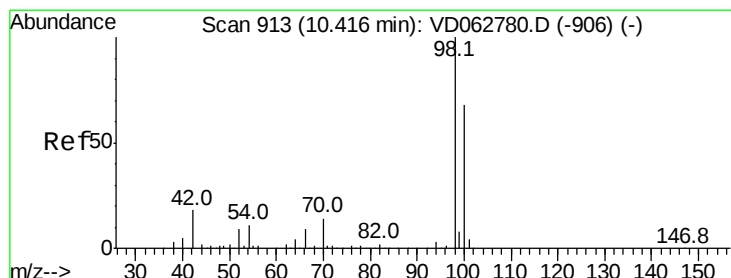
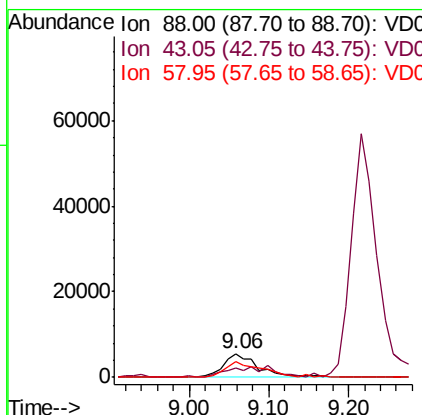
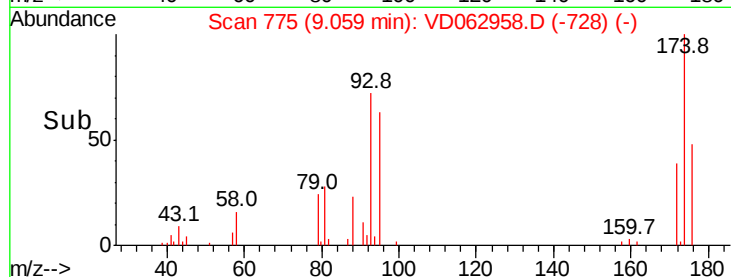
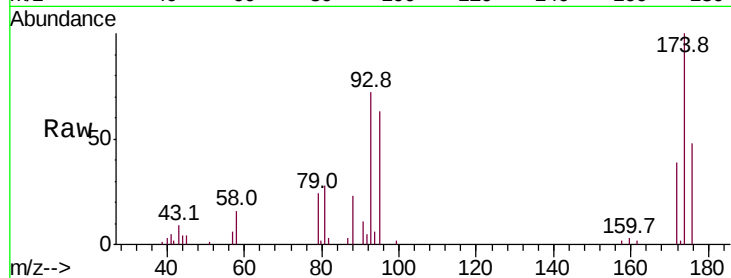




#49
 1,4-Dioxane
 Concen: 492.378 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.04 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

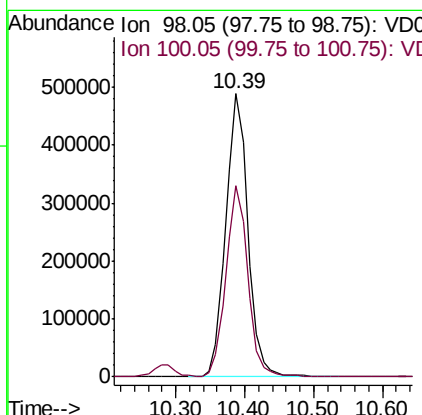
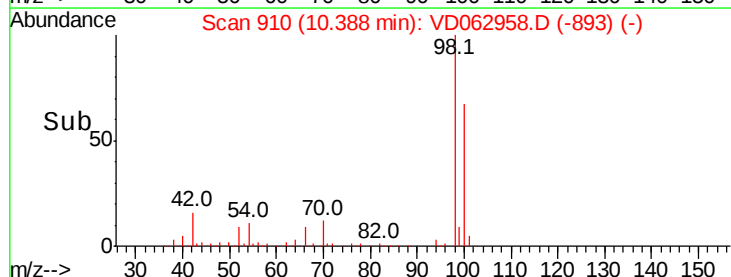
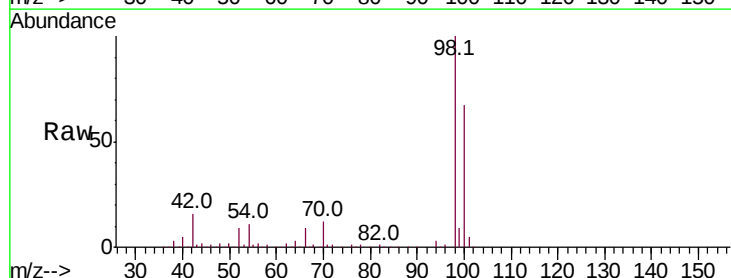
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

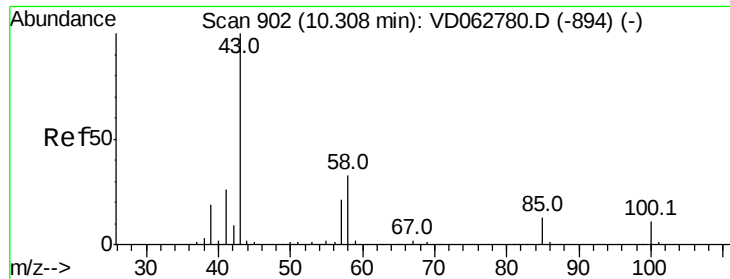
Tot Ion: 88 Resp: 17321
 Ion Ratio Lower Upper
 88 100
 43 40.8 32.1 48.1
 58 68.9 44.1 66.1#



#50
 Toluene-d8
 Concen: 49.356 ug/l
 RT: 10.39 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 98 Resp: 1085931
 Ion Ratio Lower Upper
 98 100
 100 67.4 54.7 82.1





#51

4-Methyl-2-Pentanone

Concen: 102.343 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

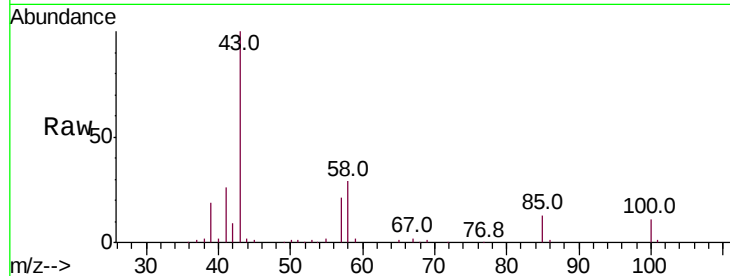
VD0628SBSD01

Tot Ion: 43 Resp: 431744

Ion Ratio Lower Upper

43 100

58 29.3 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

200000

150000

100000

50000

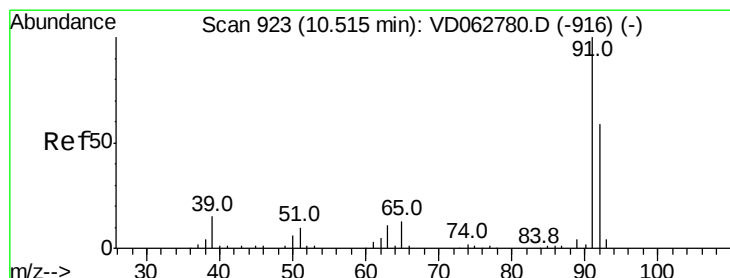
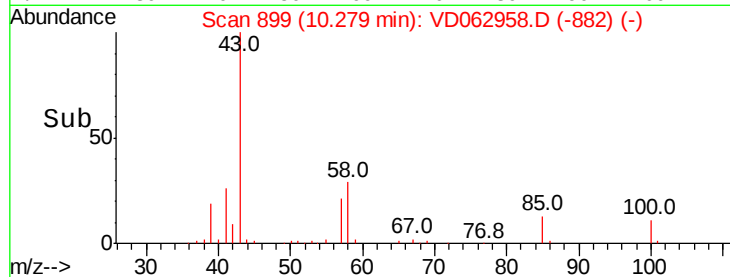
0

Time-->

10.20

10.30

10.40



#52

Toluene

Concen: 20.284 ug/l

RT: 10.49 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062958.D

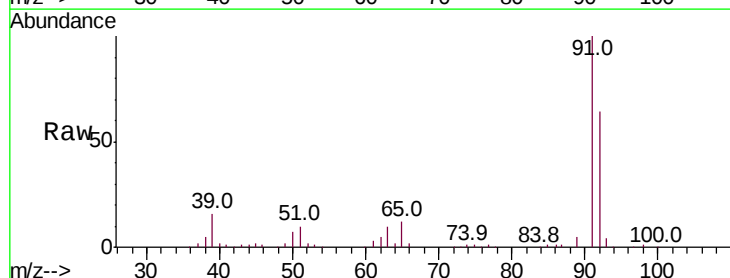
Acq: 28 Jun 2019 11:33

Tgt Ion: 92 Resp: 310623

Ion Ratio Lower Upper

92 100

91 157.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

250000

200000

150000

100000

50000

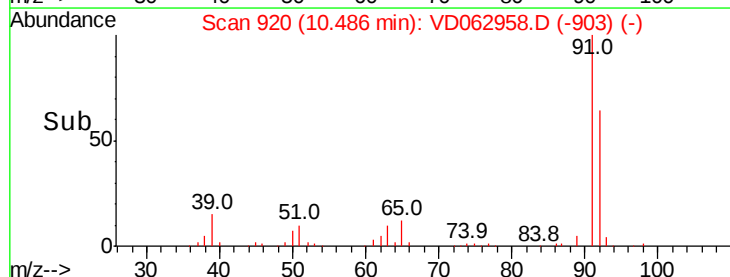
0

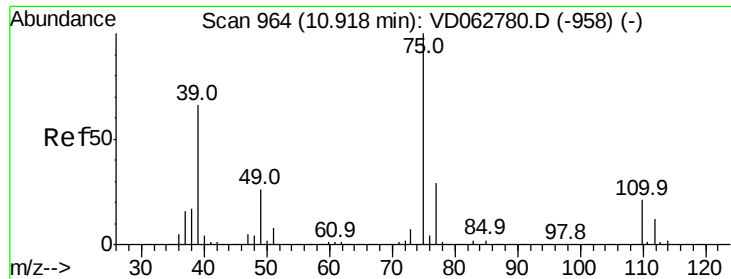
Time-->

10.40

10.50

10.60

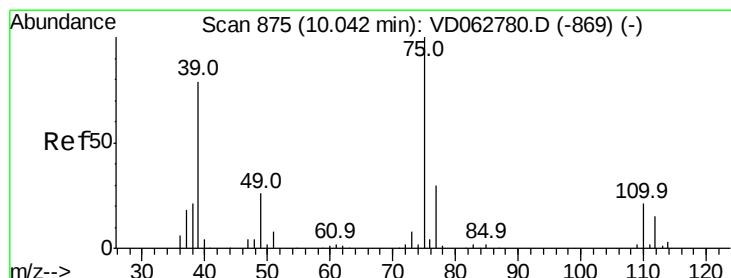
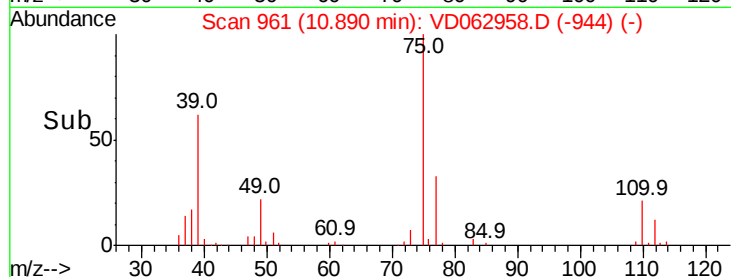
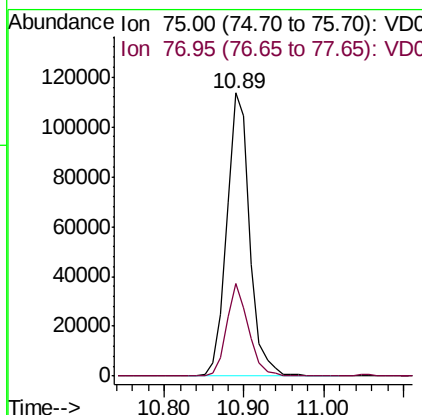
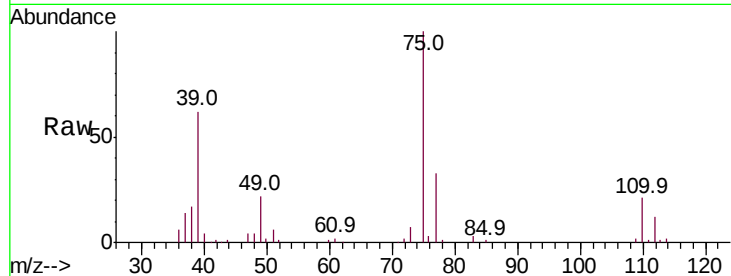




#53
 t-1,3-Dichloropropene
 Concen: 22.250 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

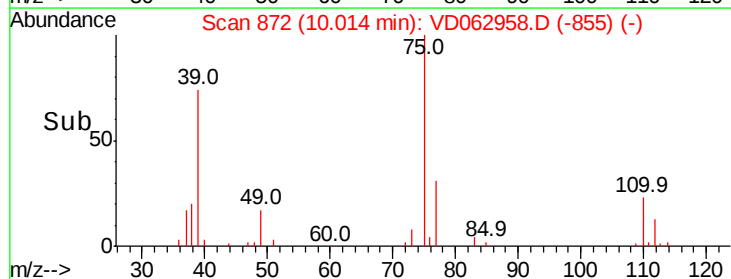
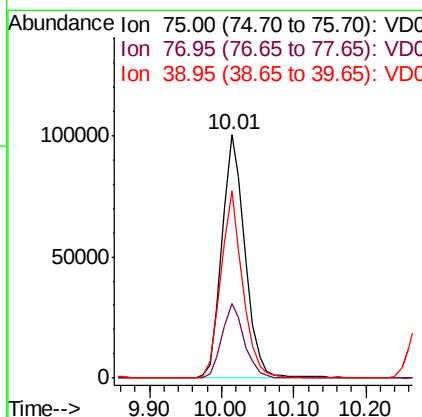
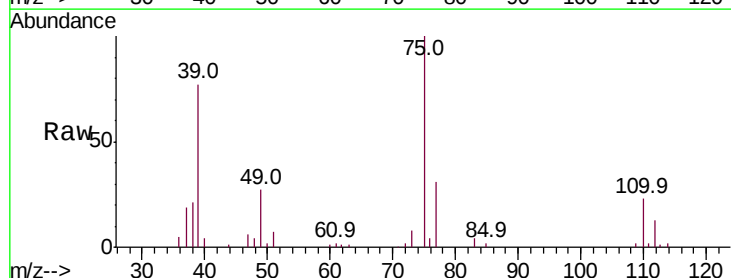
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

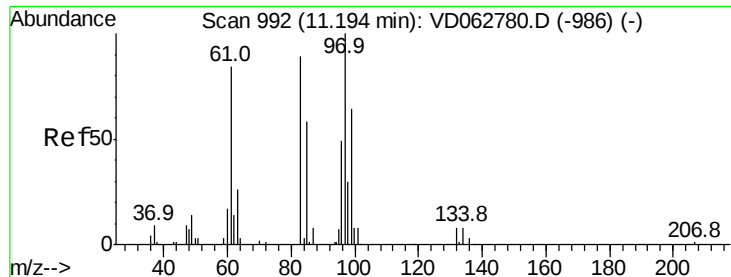
Tot Ion: 75 Resp: 230156
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.782 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 75 Resp: 222409
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.2 36.2
 39 76.9 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 19.897 ug/l

RT: 11.17 min Scan# 989

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

Tot Ion: 97 Resp: 104686

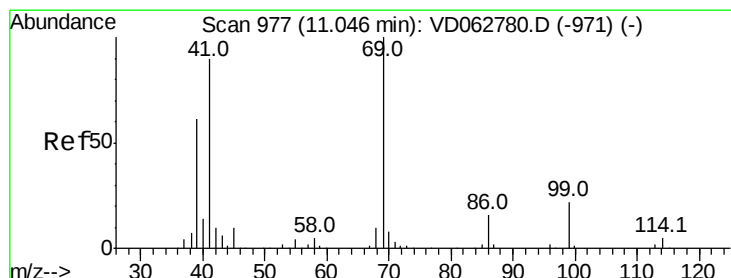
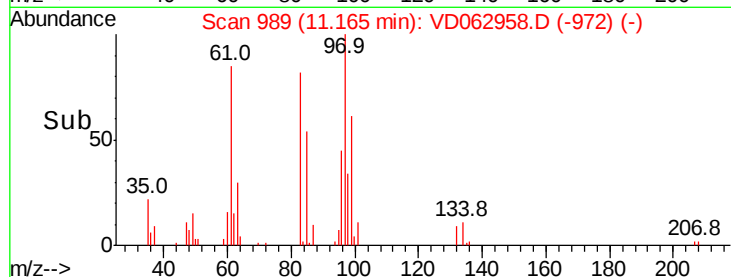
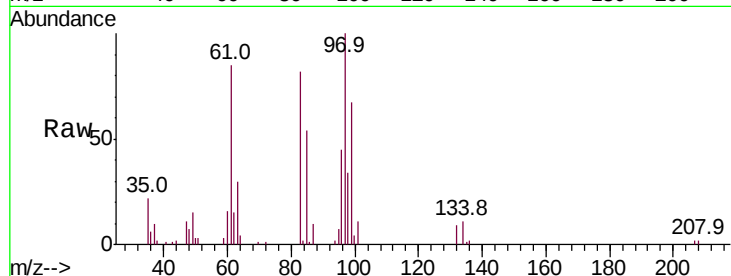
Ion Ratio Lower Upper

97 100

83 81.6 71.0 106.4

85 53.8 46.6 69.8

99 67.2 51.4 77.0



#56

Ethyl methacrylate

Concen: 20.756 ug/l

RT: 11.02 min Scan# 974

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

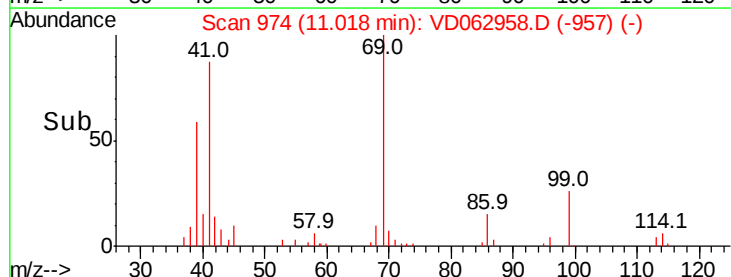
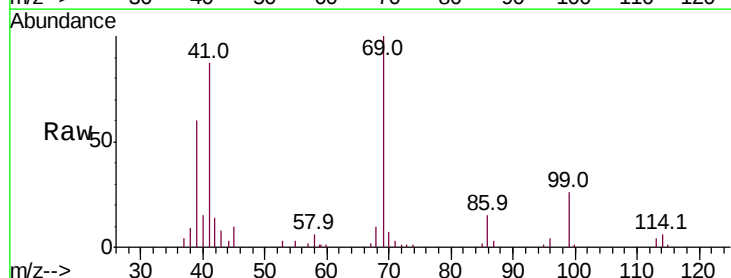
Tgt Ion: 69 Resp: 116703

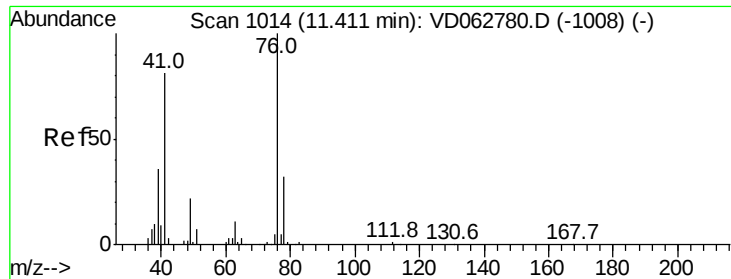
Ion Ratio Lower Upper

69 100

41 86.6 72.0 108.0

39 60.1 49.5 74.3





#57

1,3-Dichloropropane

Concen: 20.529 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

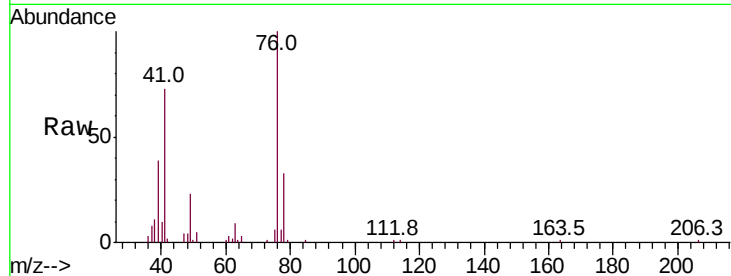
VD0628SBSD01

Tot Ion: 76 Resp: 165375

Ion Ratio Lower Upper

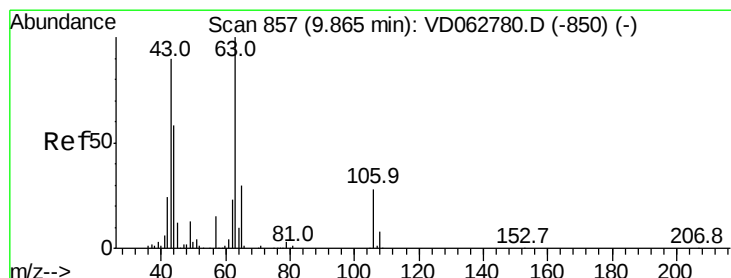
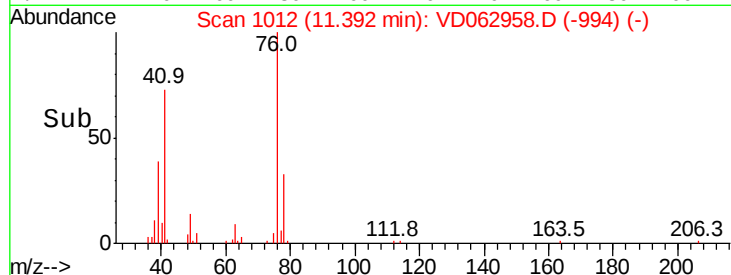
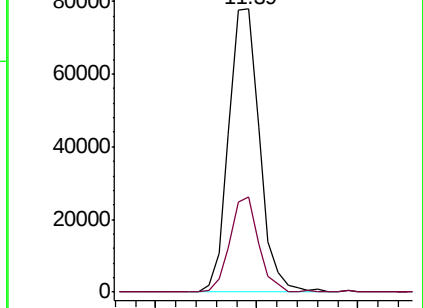
76 100

78 33.5 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.521 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062958.D

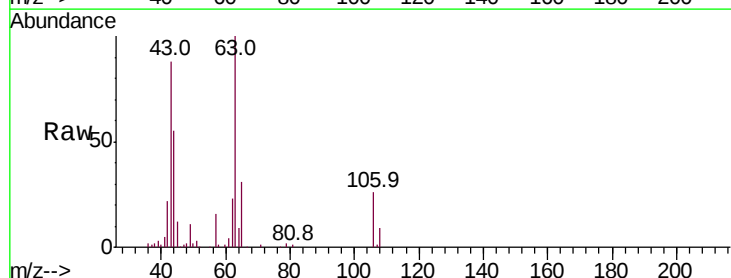
Acq: 28 Jun 2019 11:33

Tgt Ion: 63 Resp: 321917

Ion Ratio Lower Upper

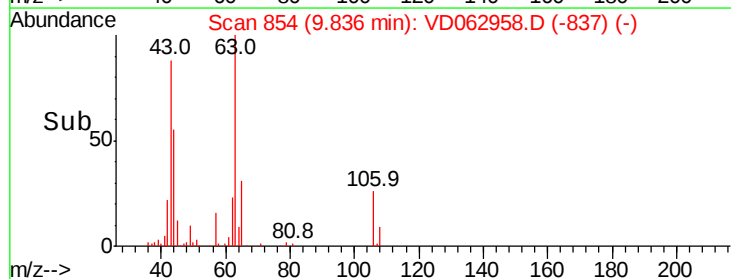
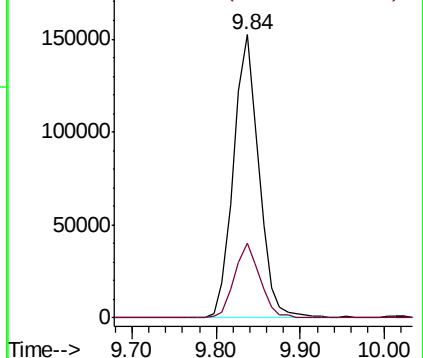
63 100

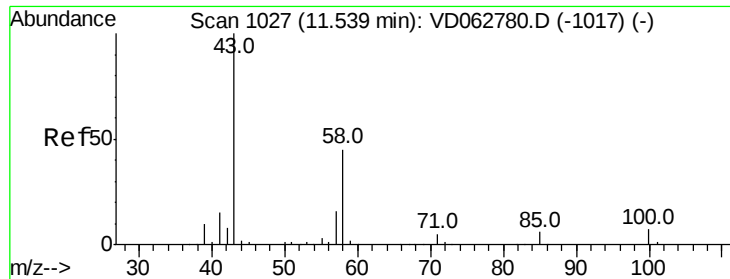
106 26.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

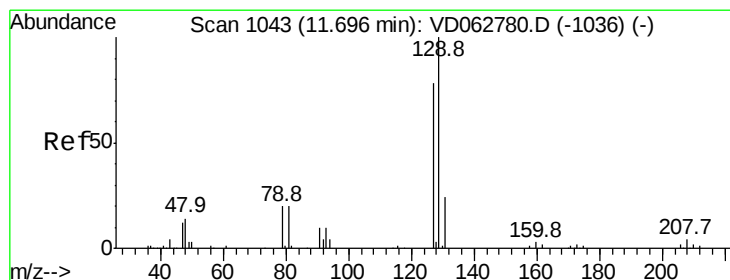
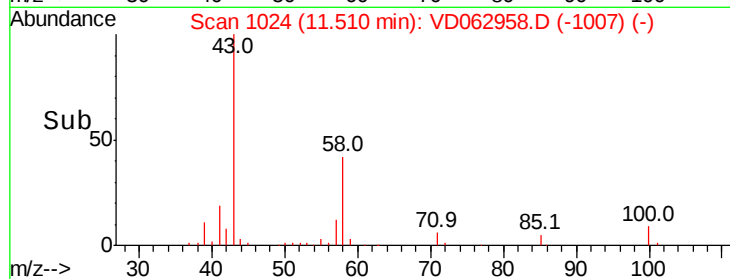
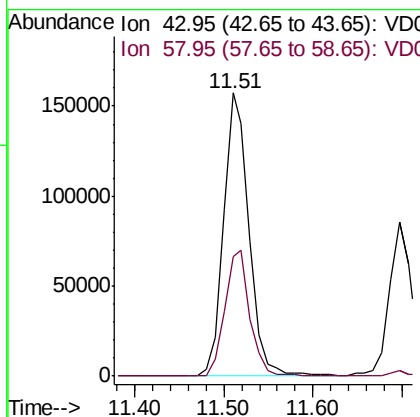
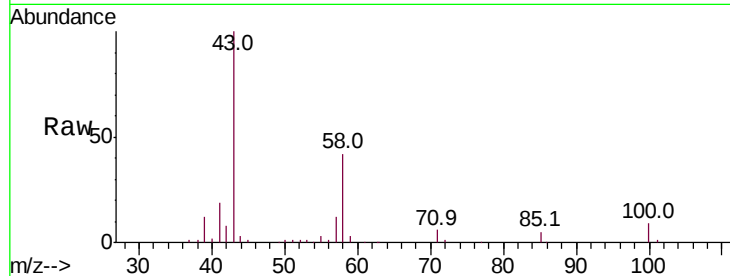




#59
2-Hexanone
Concen: 104.908 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

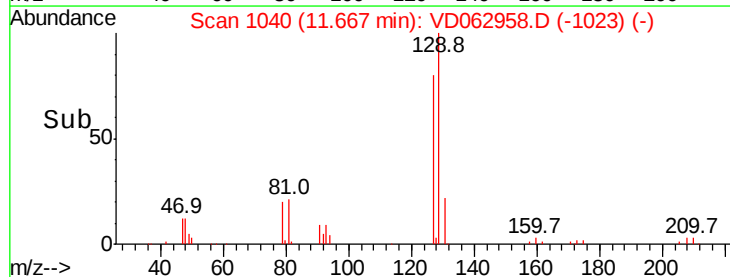
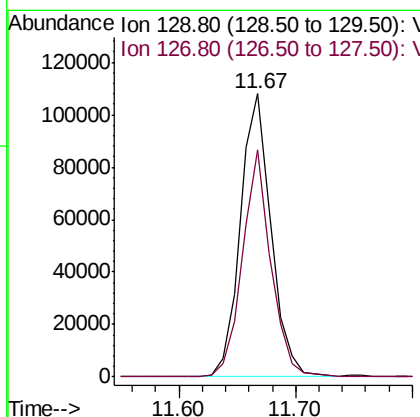
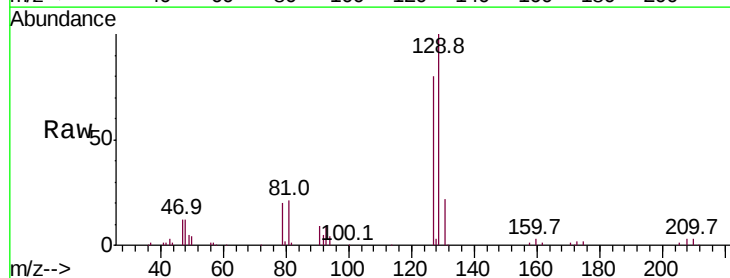
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

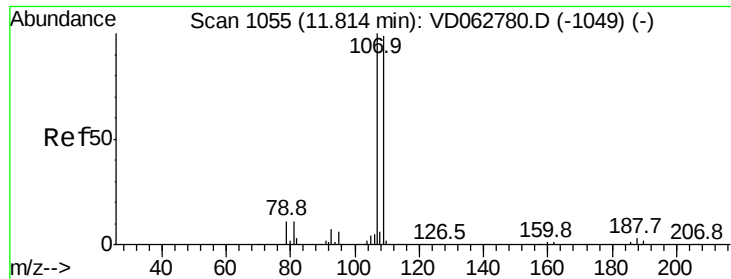
Tot Ion: 43 Resp: 315189
Ion Ratio Lower Upper
43 100
58 42.5 22.4 67.2



#60
Dibromochloromethane
Concen: 20.070 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion: 129 Resp: 196684
Ion Ratio Lower Upper
129 100
127 80.0 38.9 116.6

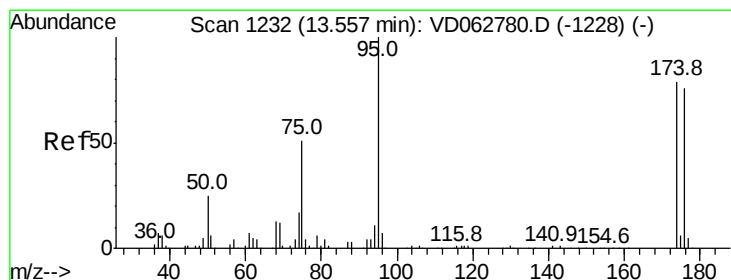
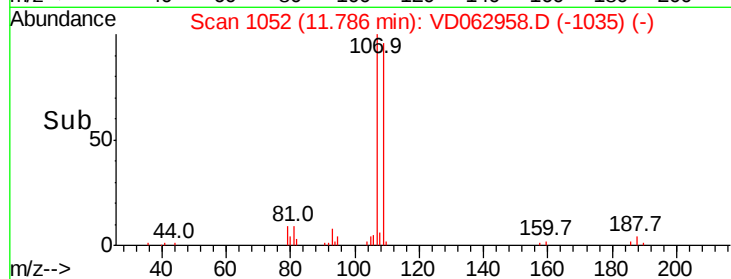
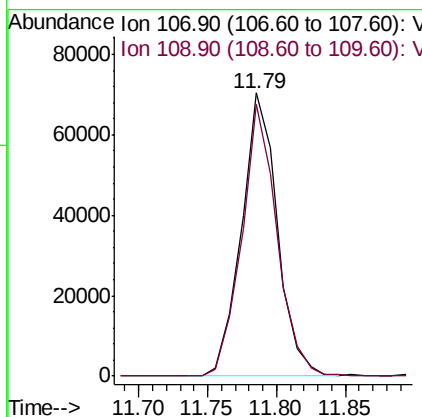
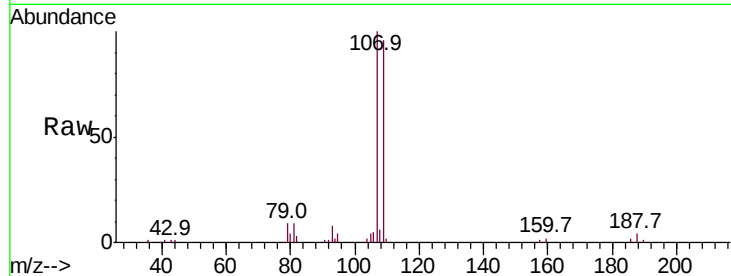




#61
 1,2-Dibromoethane
 Concen: 20.502 ug/l
 RT: 11.79 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

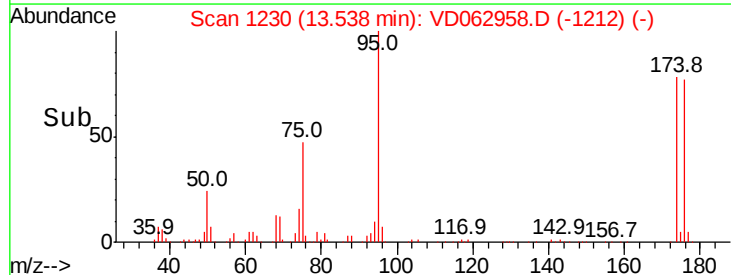
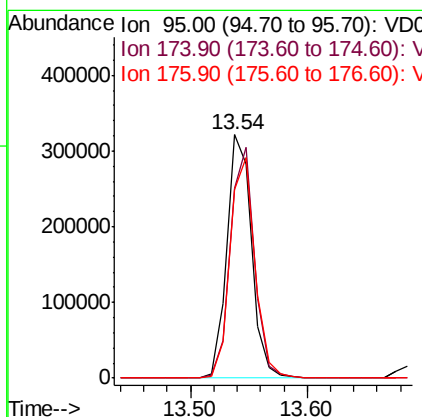
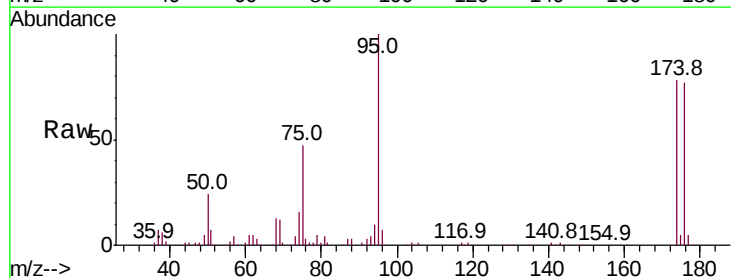
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

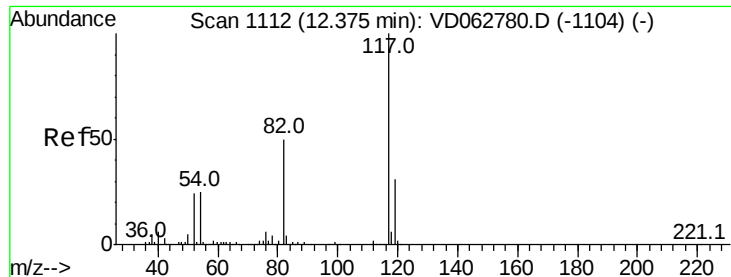
Tot Ion:107 Resp: 127398
 Ion Ratio Lower Upper
 107 100
 109 95.8 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.120 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 95 Resp: 471412
 Ion Ratio Lower Upper
 95 100
 174 78.0 0.0 158.0
 176 77.3 0.0 151.6

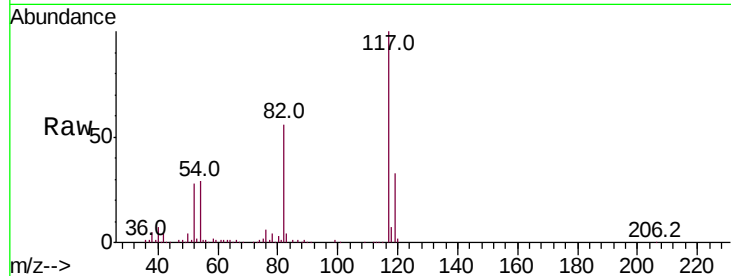




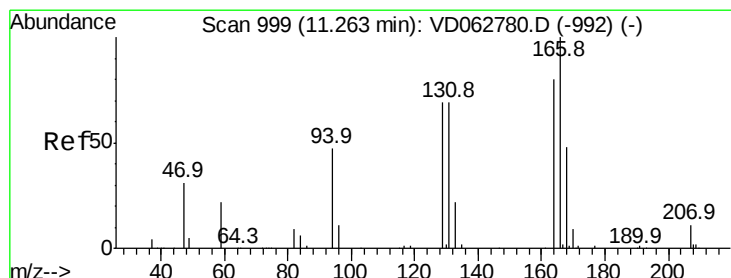
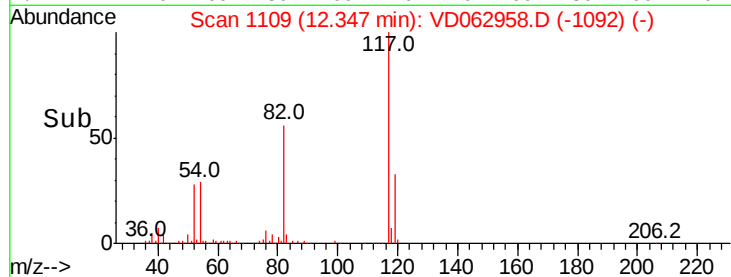
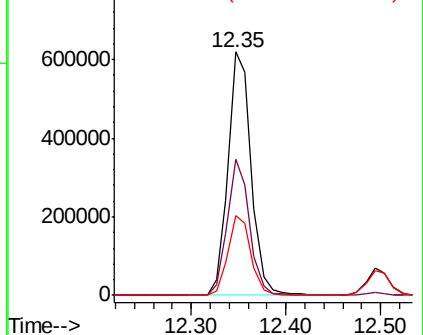
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion:117 Resp: 1045141
Ion Ratio Lower Upper
117 100
82 55.9 40.4 60.6
119 32.9 25.2 37.8

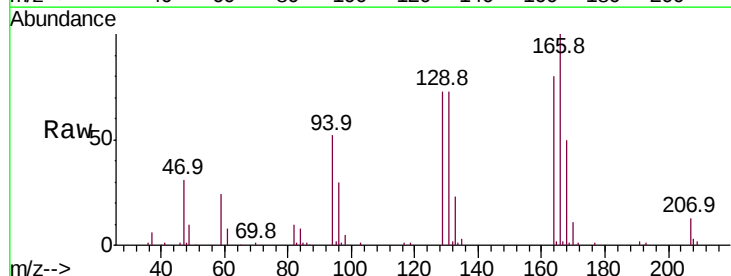


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

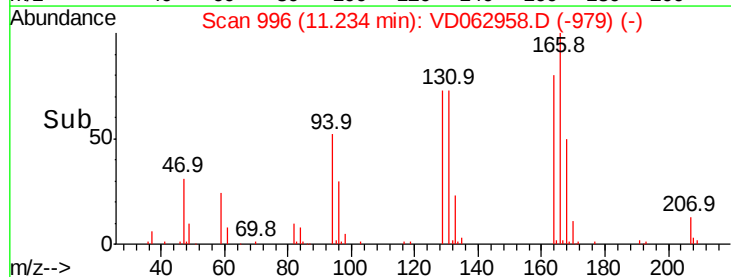
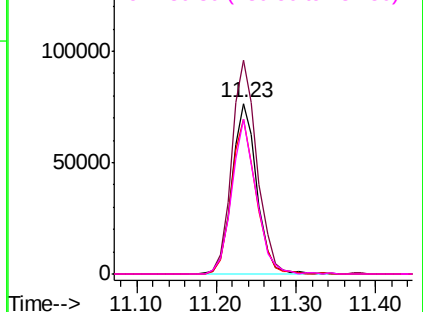


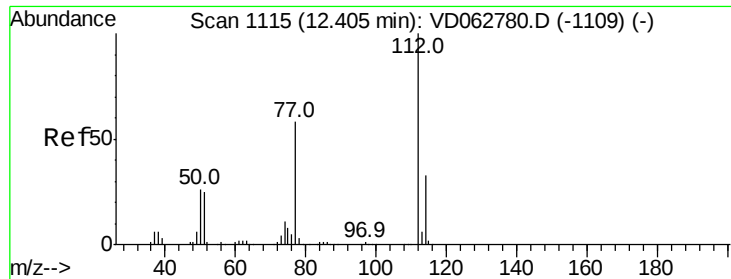
#64
Tetrachloroethene
Concen: 19.156 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion:164 Resp: 164772
Ion Ratio Lower Upper
164 100
166 125.3 100.6 150.8
129 90.9 69.4 104.0
131 91.0 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: 19.729 ug/l

RT: 12.39 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

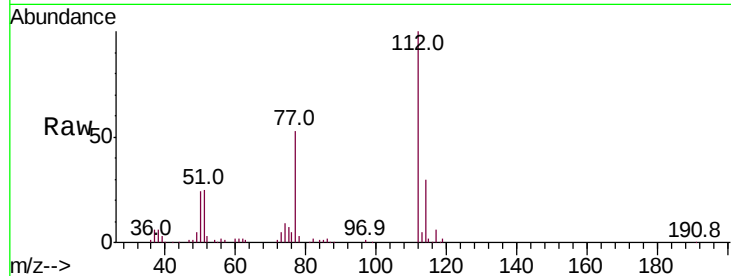
VD0628SBSD01

Tot Ion:112 Resp: 382671

Ion Ratio Lower Upper

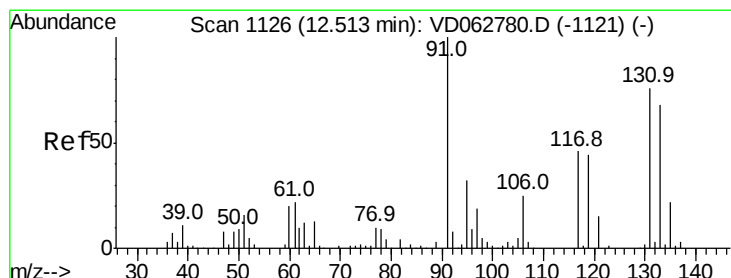
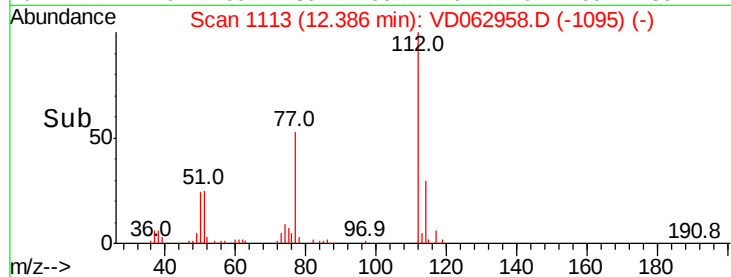
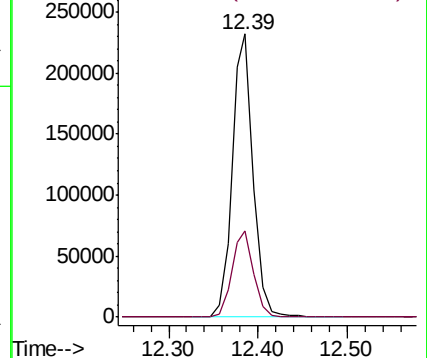
112 100

114 30.4 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.010 ug/l

RT: 12.49 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

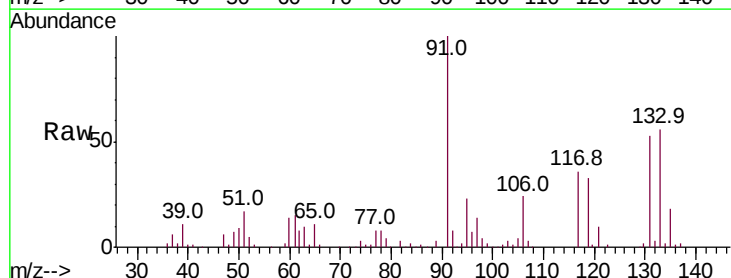
Tgt Ion:131 Resp: 172439

Ion Ratio Lower Upper

131 100

133 105.0 44.5 133.3

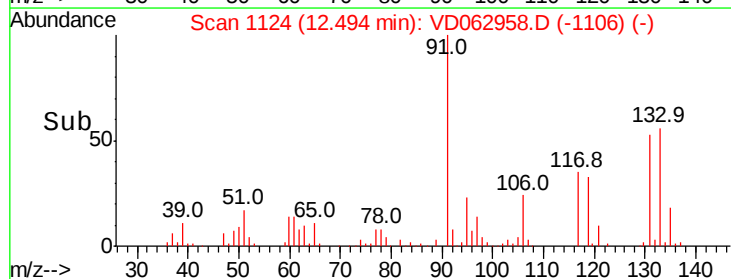
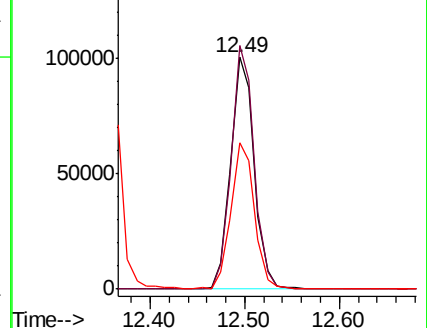
119 63.1 28.6 85.9

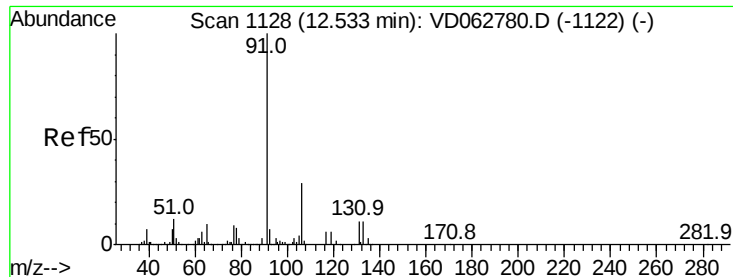


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 20.001 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.03 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

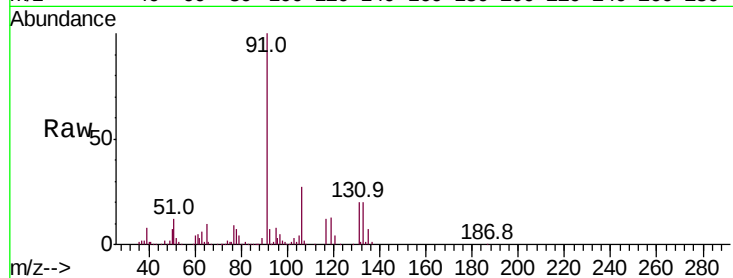
VD0628SBS01

Tot Ion: 91 Resp: 696536

Ion Ratio Lower Upper

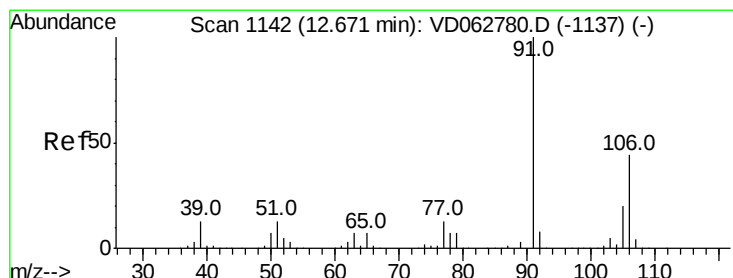
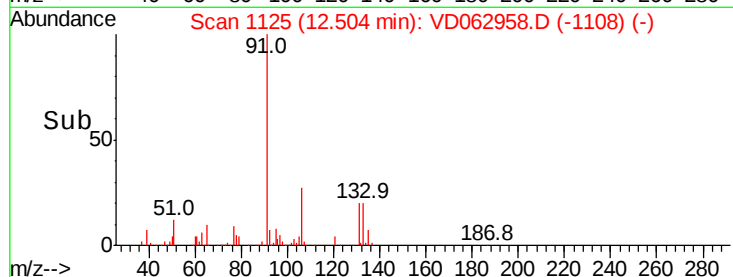
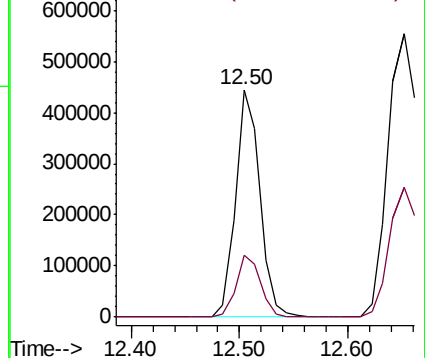
91 100

106 27.0 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1122) (-)

Ion 106.05 (105.75 to 106.75): VD062780.D (-1122) (-)



#68

m/p-Xylenes

Concen: 39.886 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VD062958.D

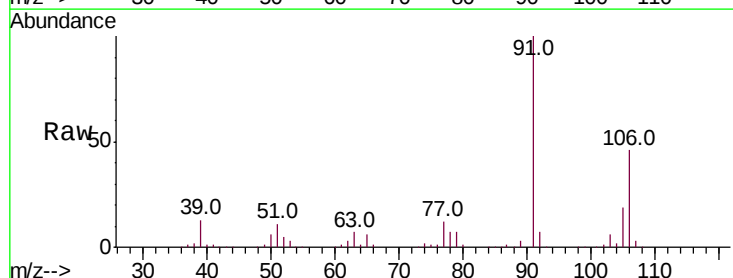
Acq: 28 Jun 2019 11:33

Tgt Ion: 106 Resp: 483783

Ion Ratio Lower Upper

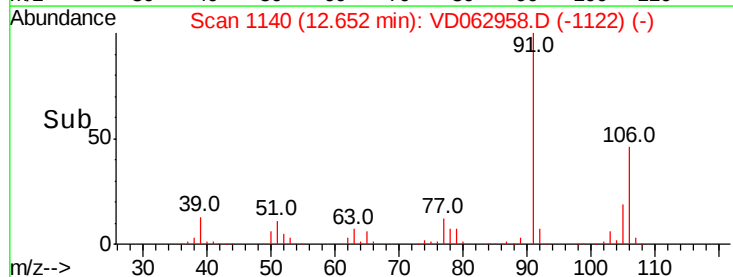
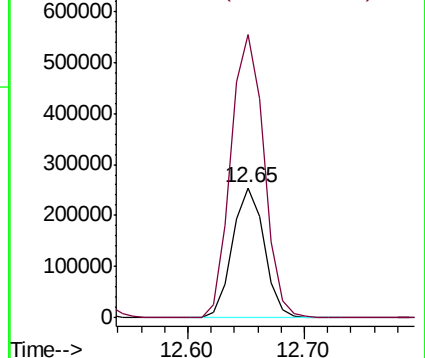
106 100

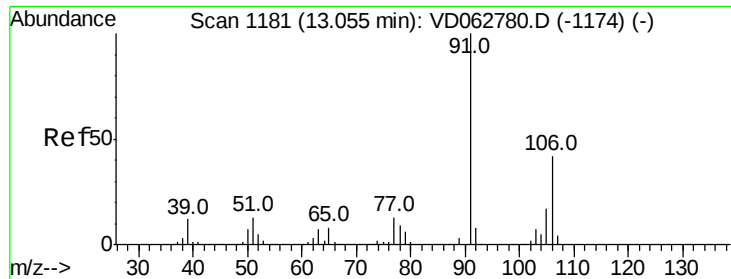
91 218.1 183.0 274.6



Abundance Ion 106.05 (105.75 to 106.75): VD062780.D (-1137) (-)

Ion 91.00 (90.70 to 91.70): VD062780.D (-1137) (-)

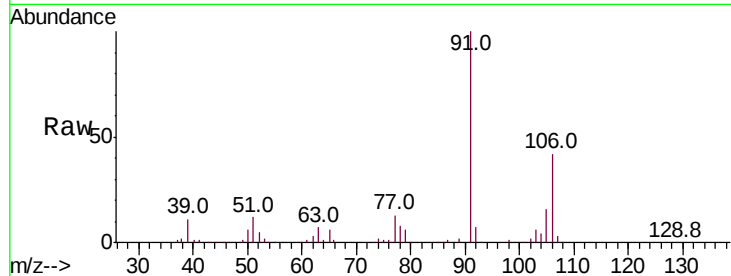




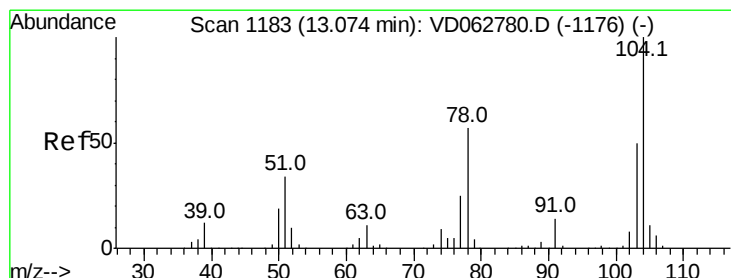
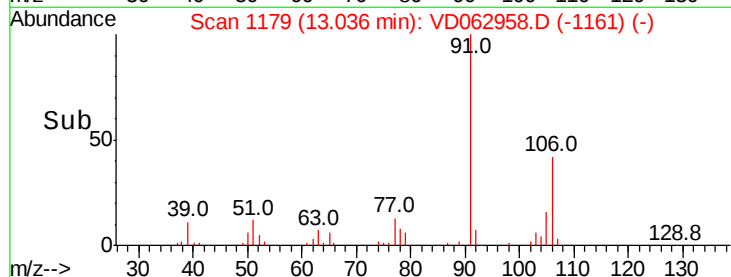
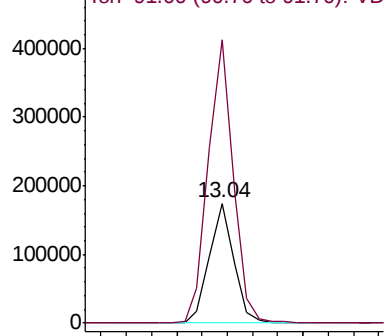
#69
o-Xylene
Concen: 21.250 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion:106 Resp: 235615
Ion Ratio Lower Upper
106 100
91 236.3 117.9 353.6

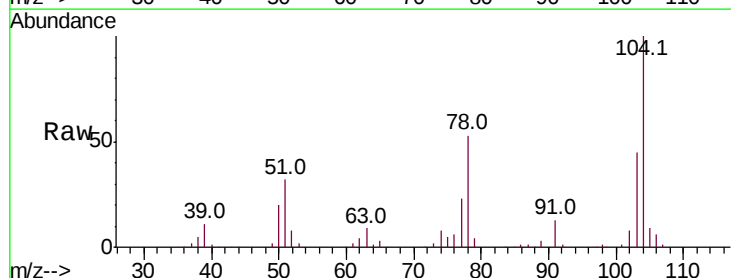


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

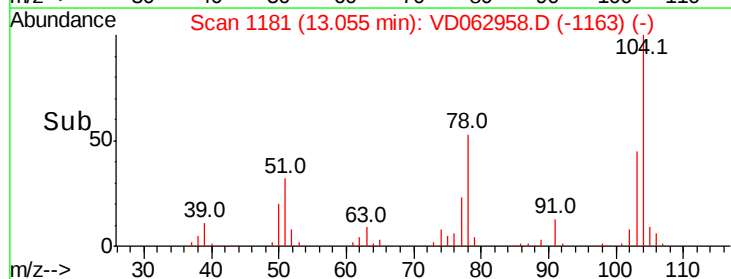
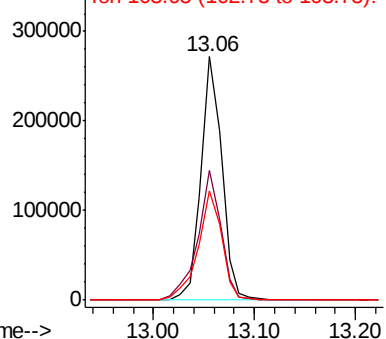


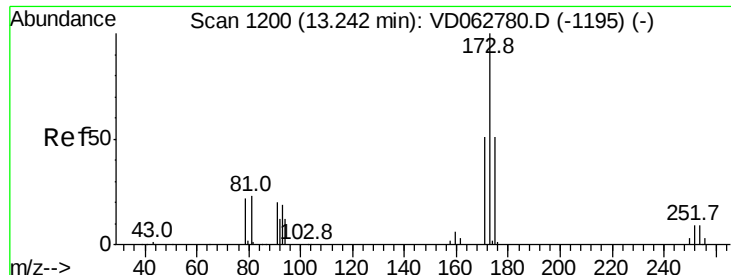
#70
Styrene
Concen: 19.991 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion:104 Resp: 389338
Ion Ratio Lower Upper
104 100
78 53.3 45.4 68.2
103 44.9 39.7 59.5



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





#71

Bromoform

Concen: 20.337 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

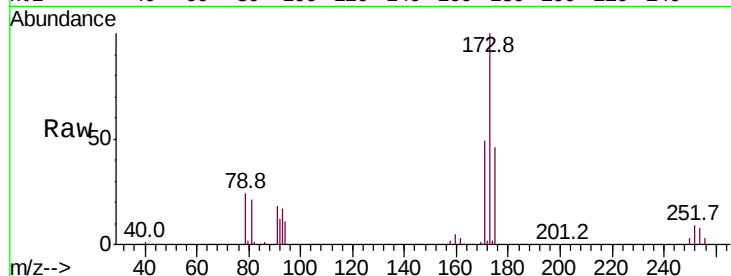
Tot Ion:173 Resp: 126396

Ion Ratio Lower Upper

173 100

175 45.8 25.3 75.9

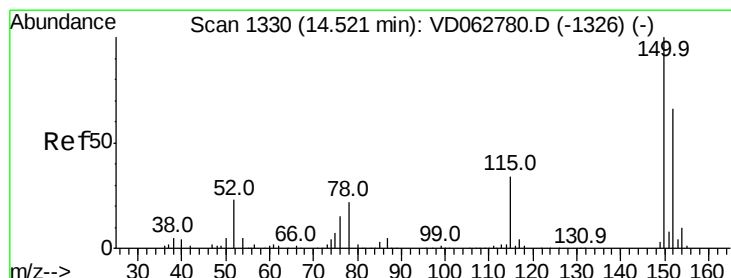
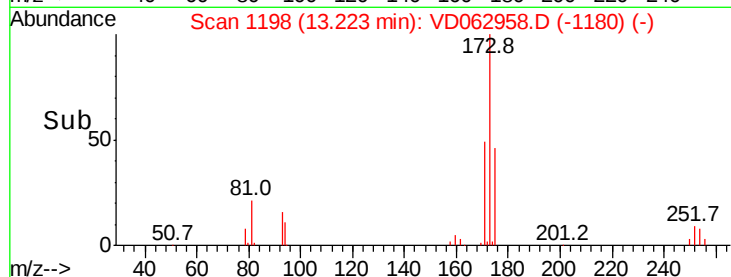
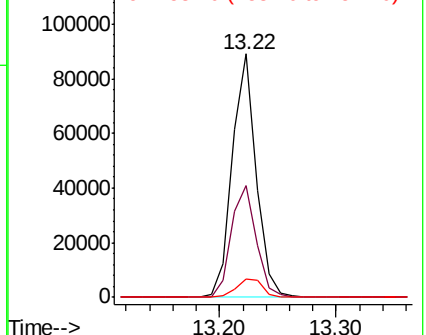
254 7.5 7.1 10.7



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: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

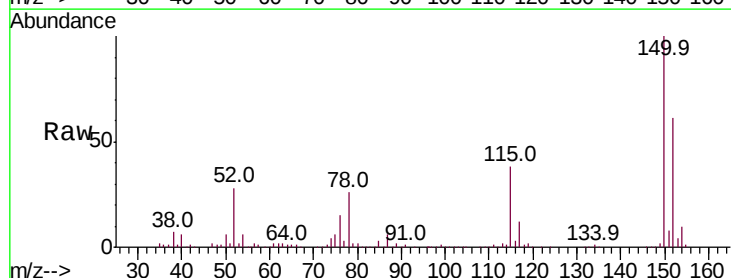
Tgt Ion:152 Resp: 598340

Ion Ratio Lower Upper

152 100

115 62.8 29.2 87.6

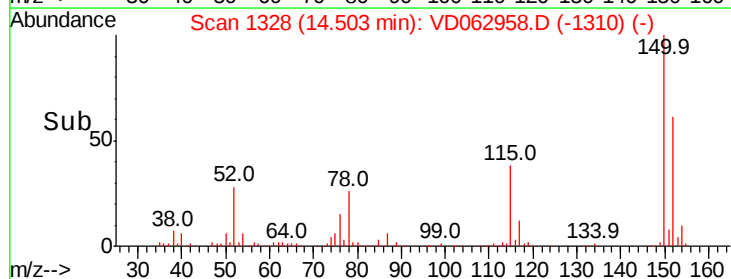
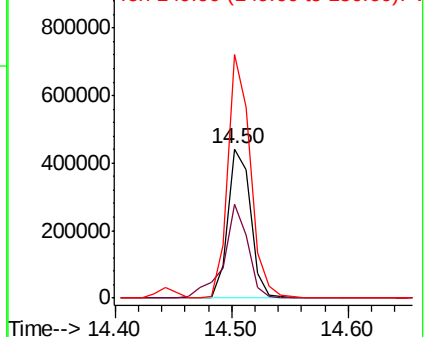
150 163.4 0.0 305.8

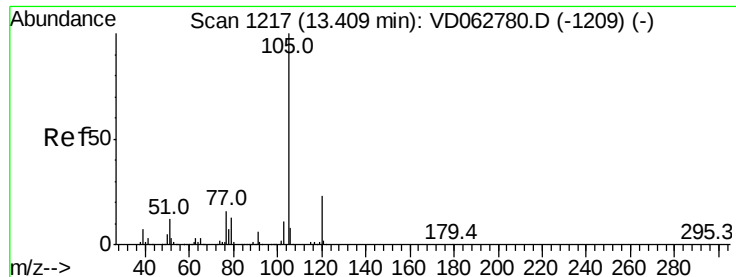


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.801 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

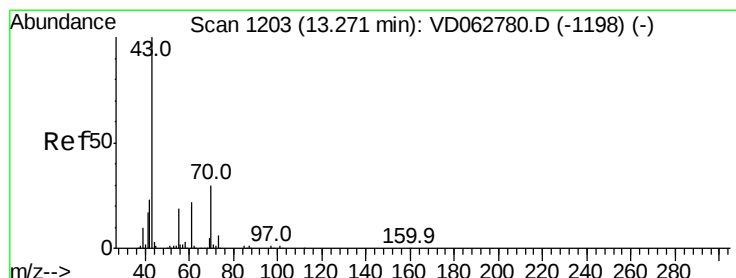
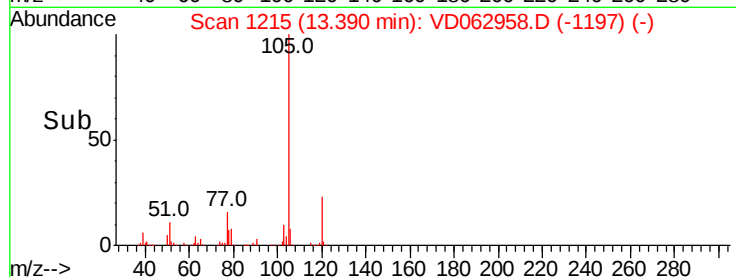
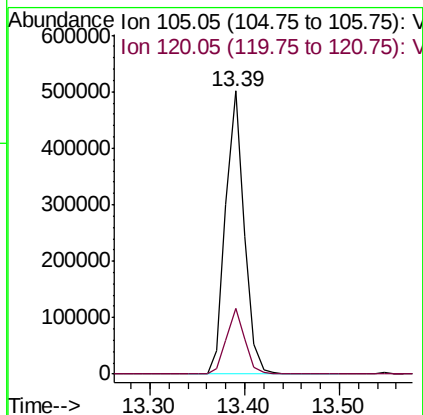
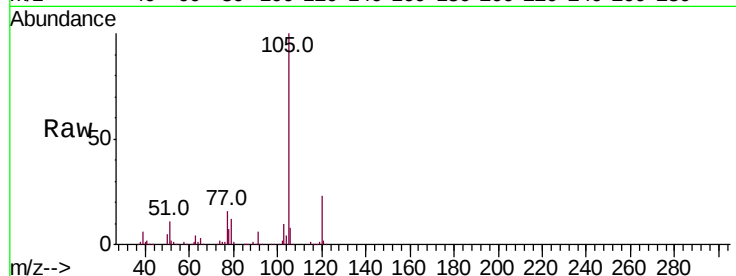
VD0628SBSD01

Tot Ion:105 Resp: 682930

Ion Ratio Lower Upper

105 100

120 23.2 11.6 34.7



#74

N-ethyl acetate

Concen: 19.731 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Tgt Ion: 43 Resp: 183830

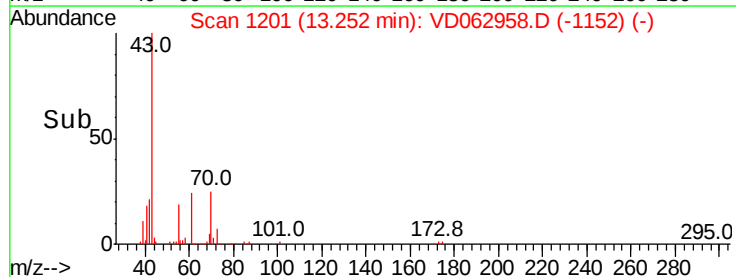
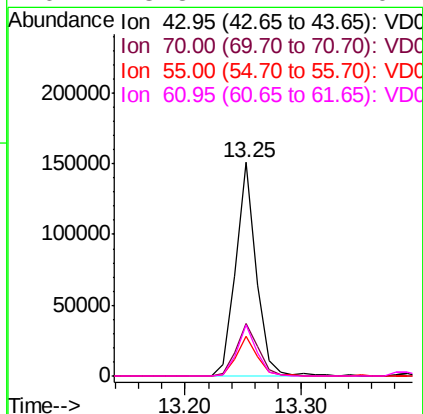
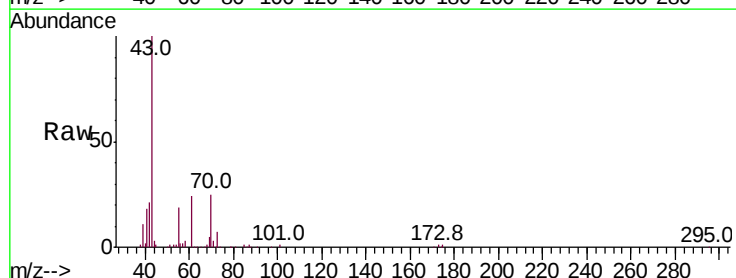
Ion Ratio Lower Upper

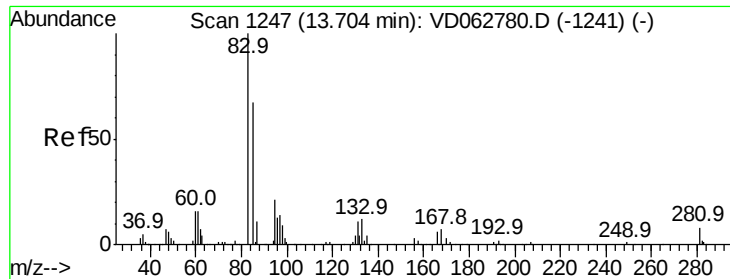
43 100

70 24.5 24.4 36.6

55 18.6 15.2 22.8

61 23.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.274 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

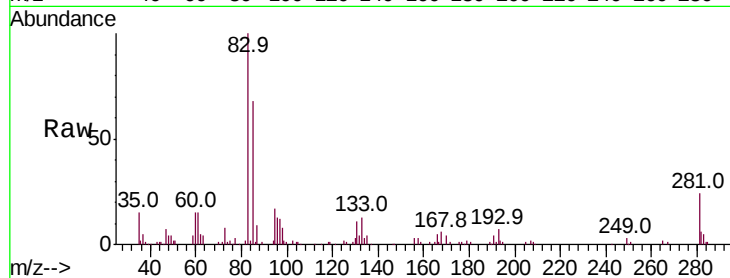
Tot Ion: 83 Resp: 120480

Ion Ratio Lower Upper

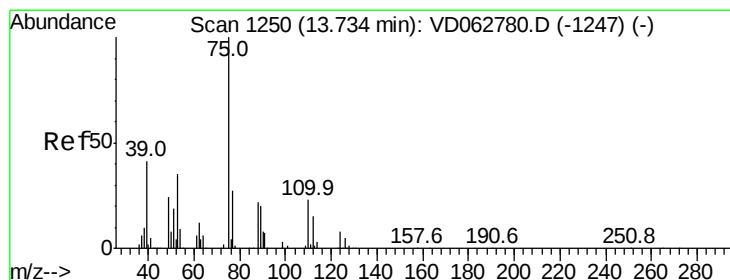
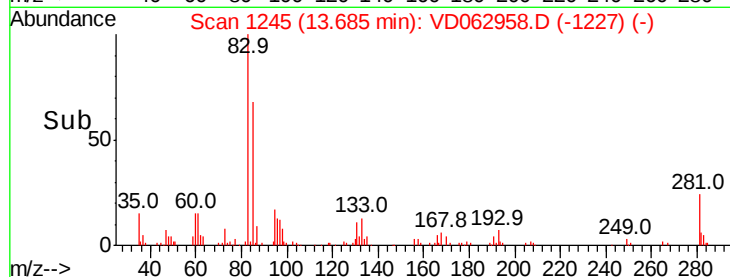
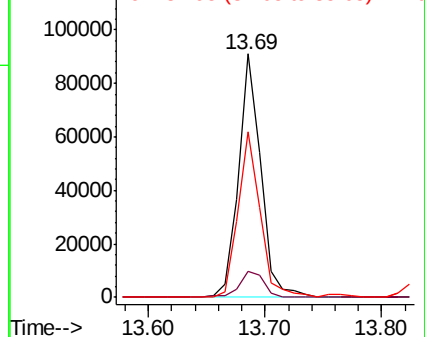
83 100

131 10.5 5.3 16.1

85 68.2 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: 18.164 ug/l

RT: 13.72 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD062958.D

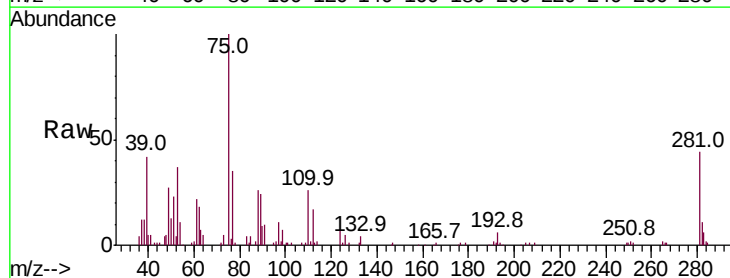
Acq: 28 Jun 2019 11:33

Tgt Ion: 75 Resp: 125463

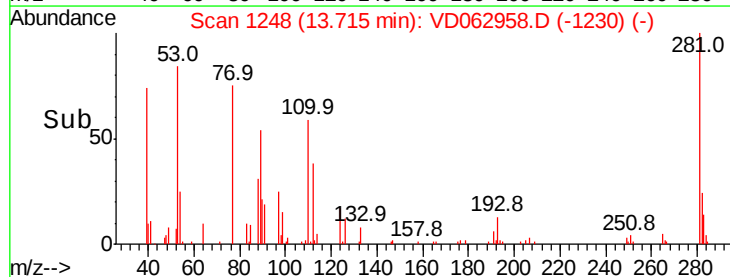
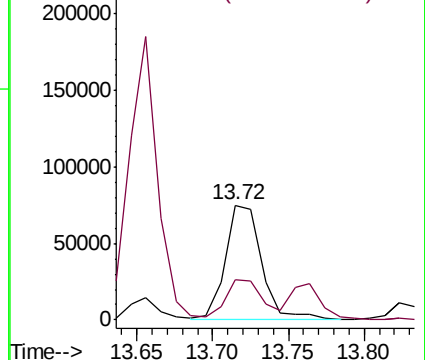
Ion Ratio Lower Upper

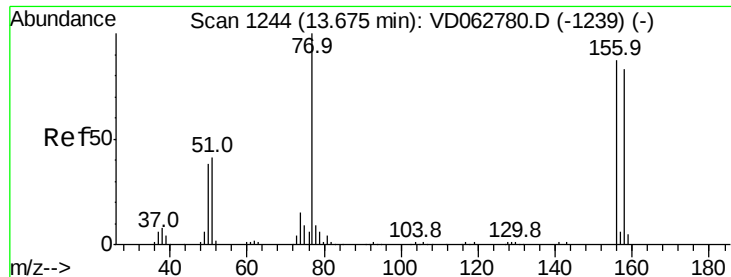
75 100

77 35.1 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: 19.174 ug/l

RT: 13.66 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

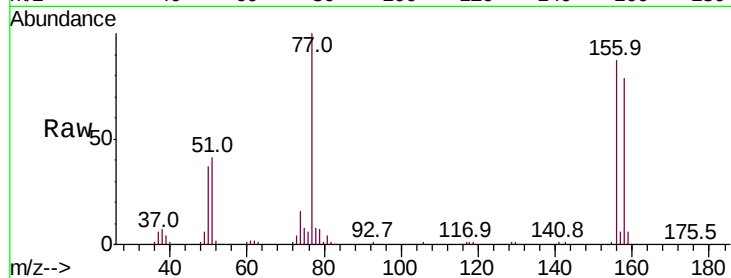
Tot Ion:156 Resp: 197856

Ion Ratio Lower Upper

156 100

77 115.3 57.7 173.1

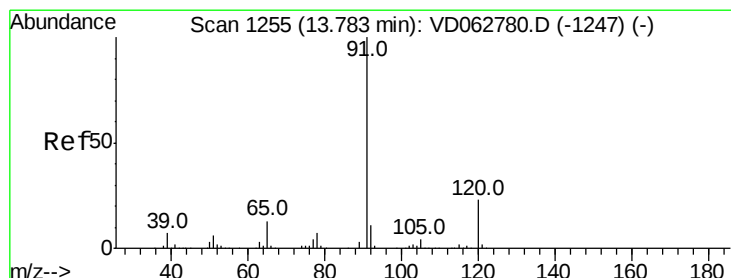
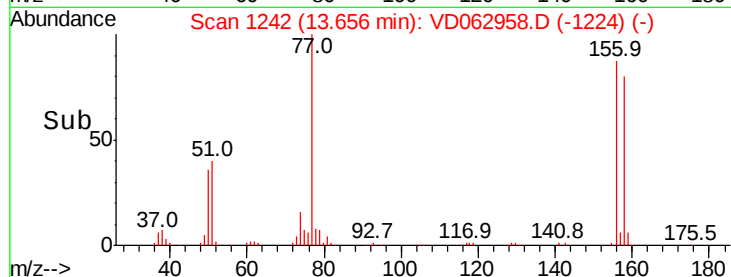
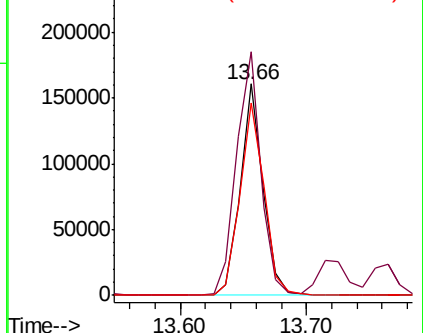
158 91.3 47.7 143.1



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: 18.290 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062958.D

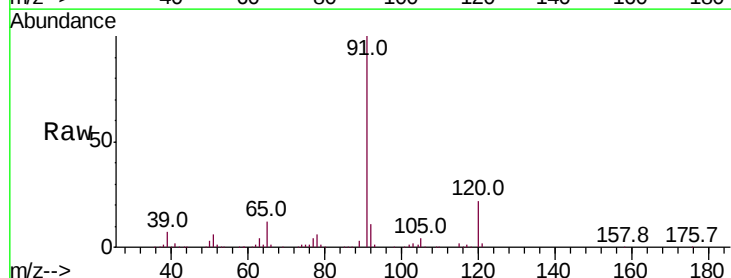
Acq: 28 Jun 2019 11:33

Tgt Ion: 91 Resp: 816713

Ion Ratio Lower Upper

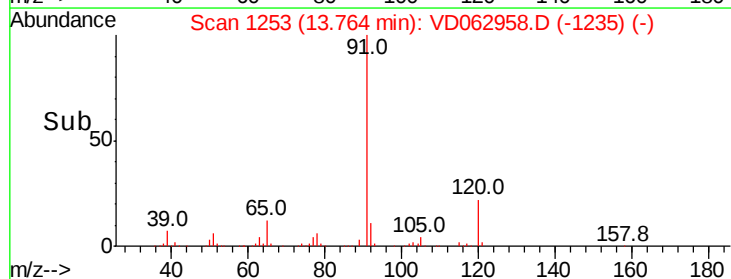
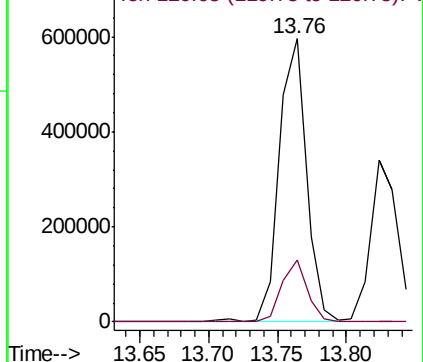
91 100

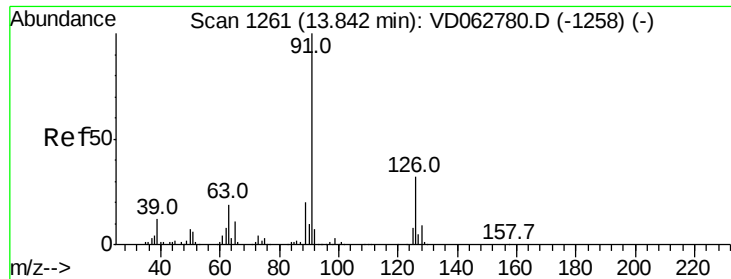
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

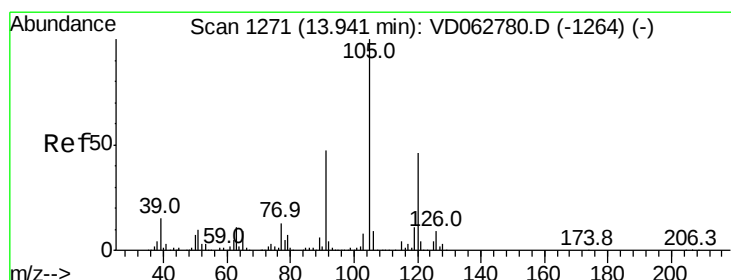
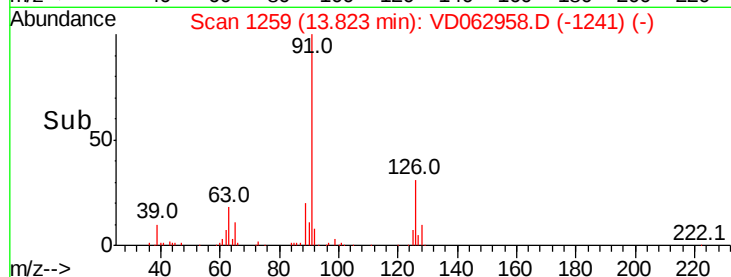
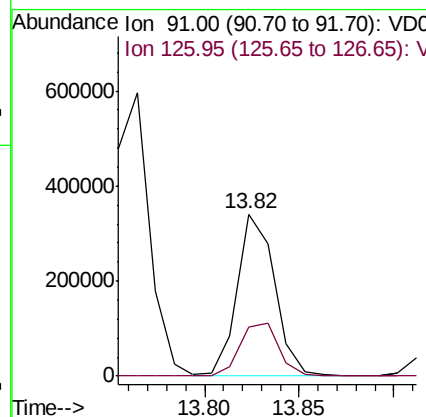
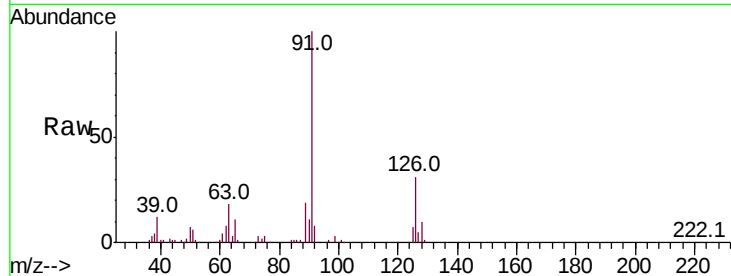




#79
 2-Chlorotoluene
 Concen: 18.396 ug/l
 RT: 13.82 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

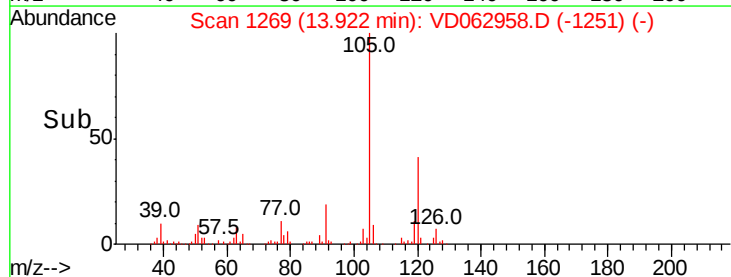
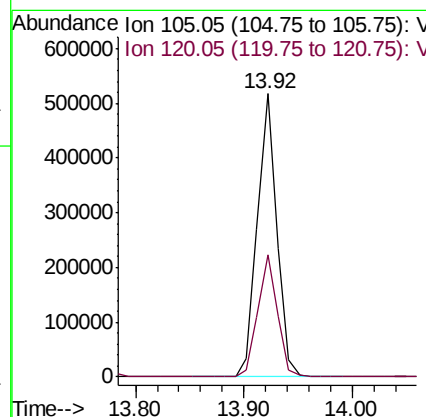
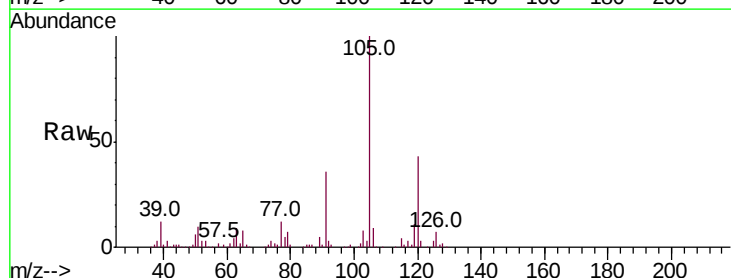
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

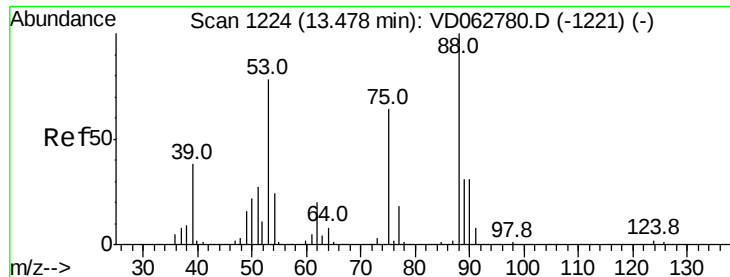
Tot Ion: 91 Resp: 469435
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.143 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 105 Resp: 649096
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.475 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

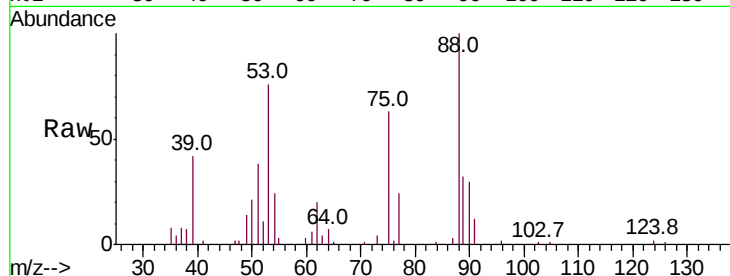
Tot Ion: 75 Resp: 33445

Ion Ratio Lower Upper

75 100

53 119.6 97.8 146.8

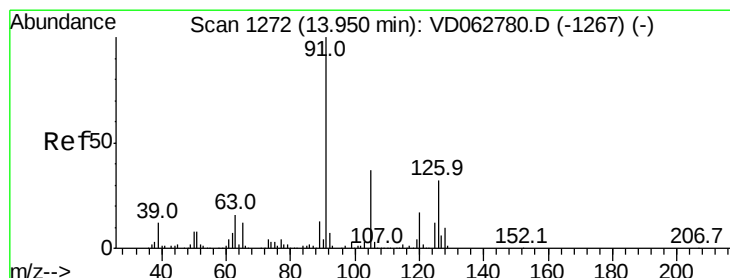
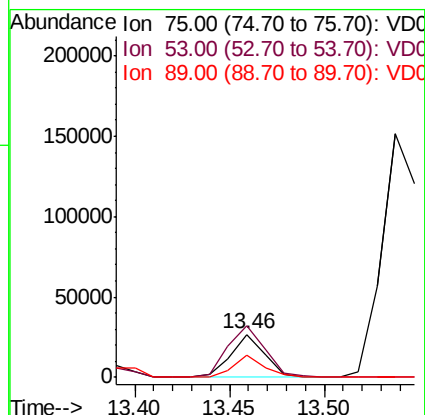
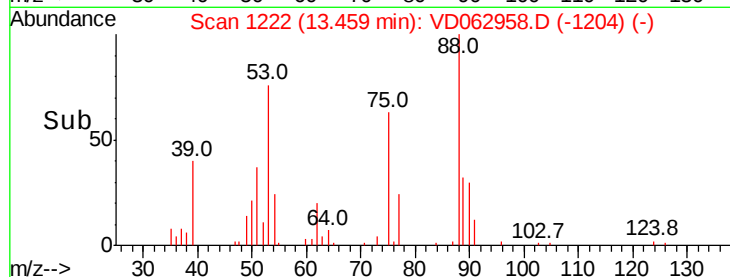
89 50.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.539 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062958.D

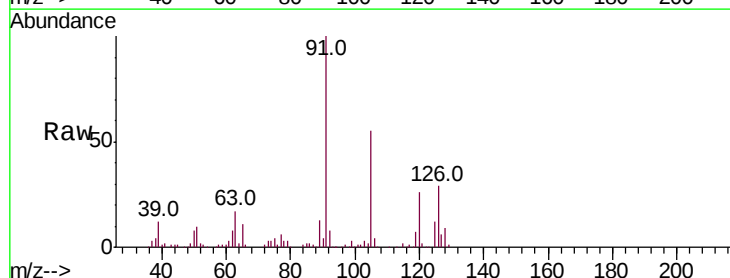
Acq: 28 Jun 2019 11:33

Tgt Ion: 91 Resp: 600266

Ion Ratio Lower Upper

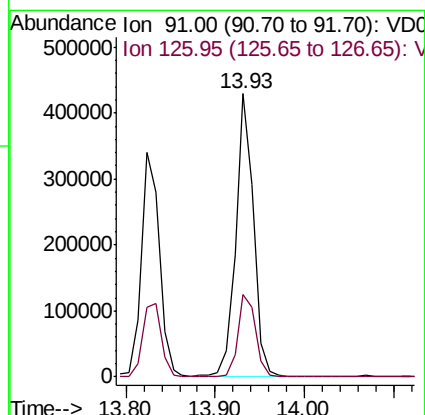
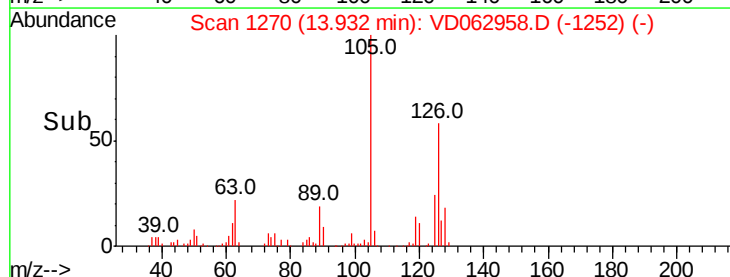
91 100

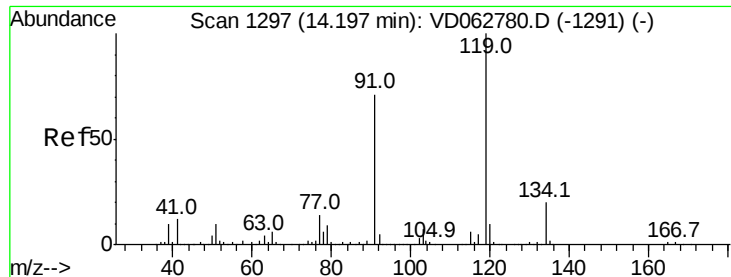
126 29.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.525 ug/l

RT: 14.18 min Scan# 1295

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

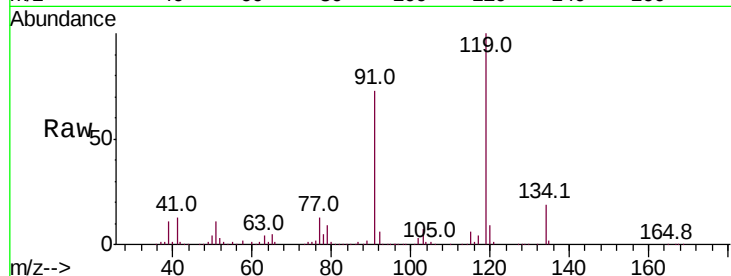
Tot Ion:119 Resp: 701312

Ion Ratio Lower Upper

119 100

91 72.8 35.5 106.5

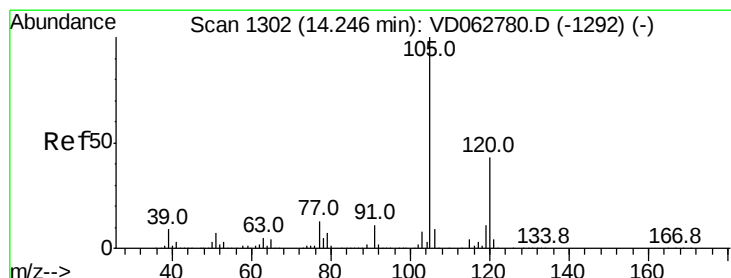
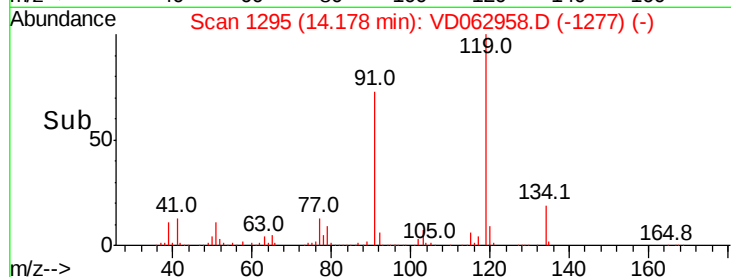
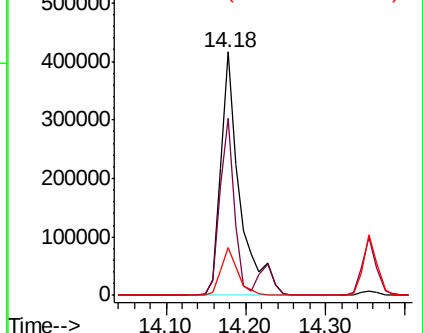
134 19.4 10.2 30.6



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: 18.321 ug/l

RT: 14.23 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD062958.D

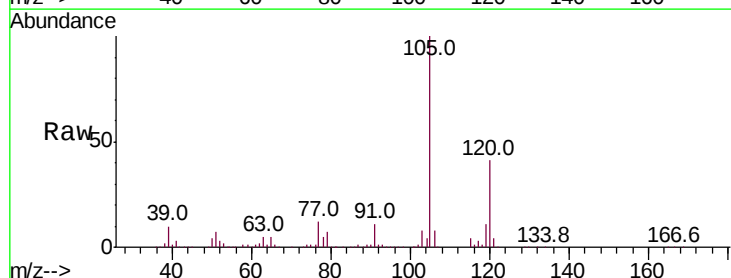
Acq: 28 Jun 2019 11:33

Tgt Ion:105 Resp: 605125

Ion Ratio Lower Upper

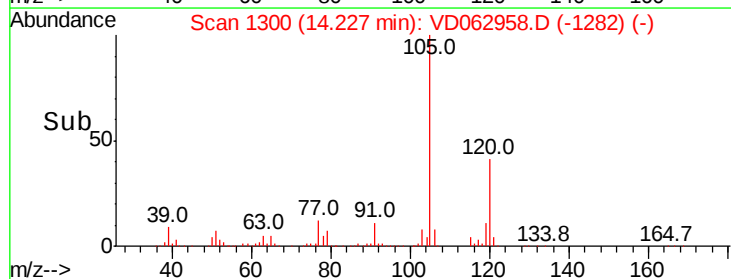
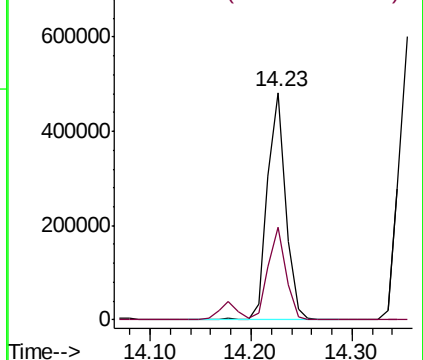
105 100

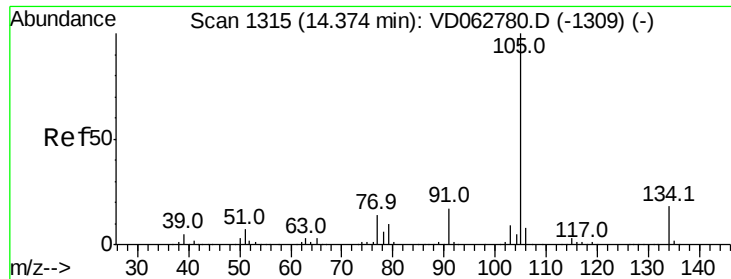
120 41.0 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

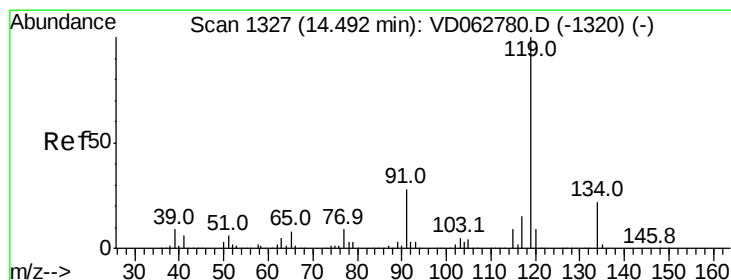
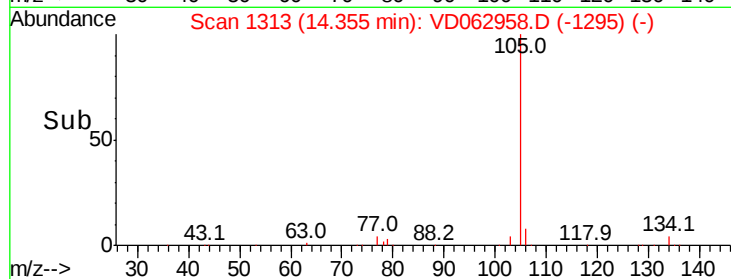
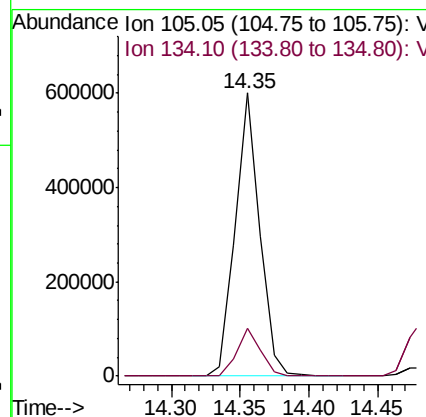
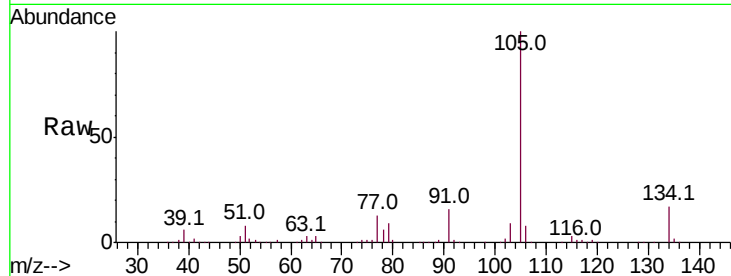




#85
 sec-Butylbenzene
 Concen: 19.011 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

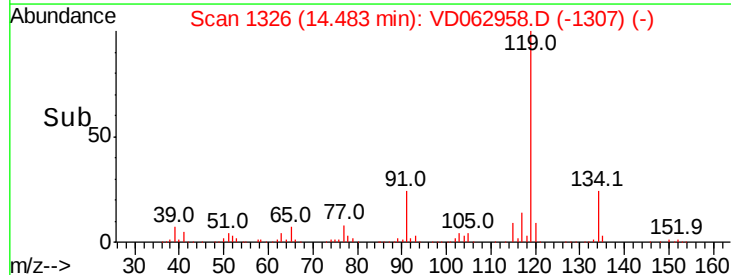
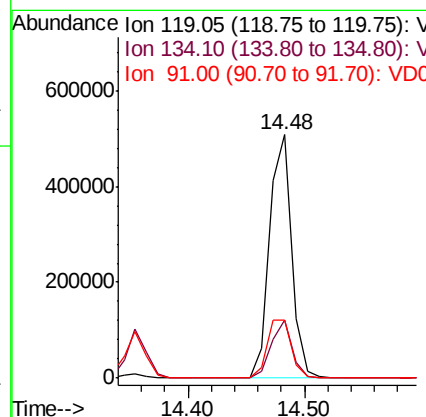
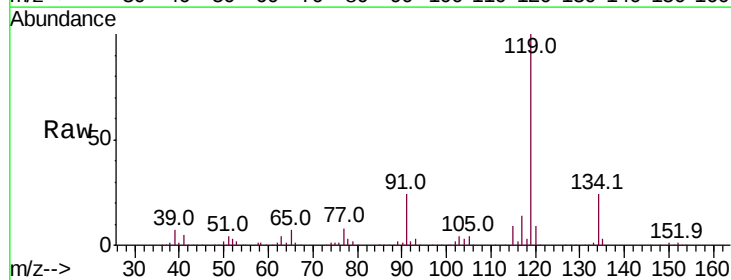
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

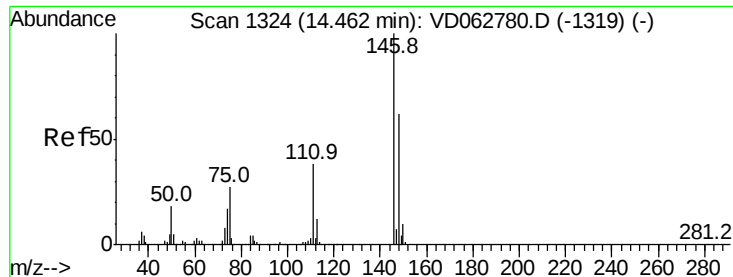
Tot Ion:105 Resp: 742197
 Ion Ratio Lower Upper
 105 100
 134 17.1 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 18.655 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion:119 Resp: 666259
 Ion Ratio Lower Upper
 119 100
 134 23.8 11.1 33.1
 91 23.9 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 19.484 ug/l

RT: 14.44 min Scan# 1322

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBSD01

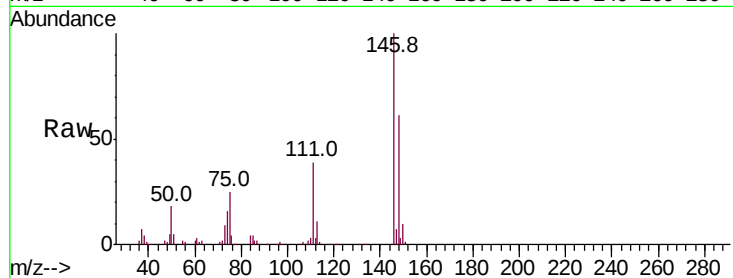
Tot Ion:146 Resp: 360397

Ion Ratio Lower Upper

146 100

111 38.7 19.0 57.0

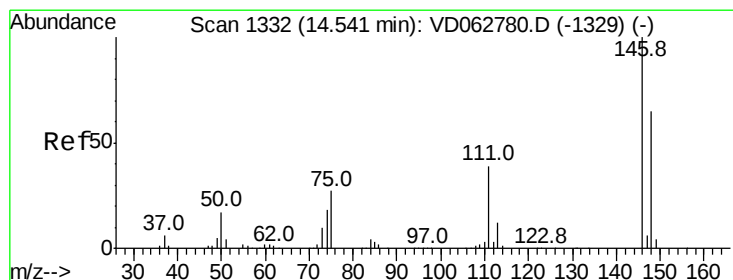
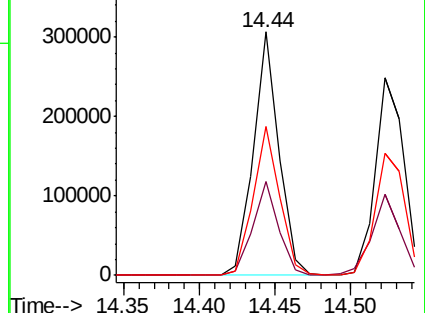
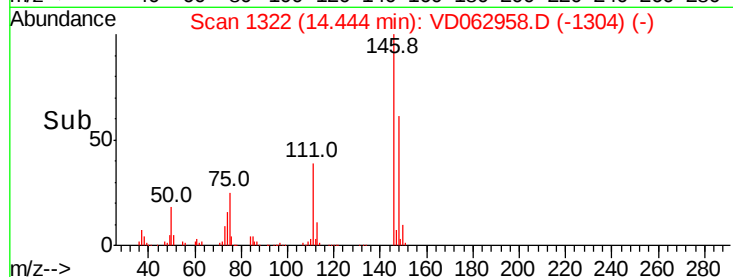
148 61.3 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.903 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

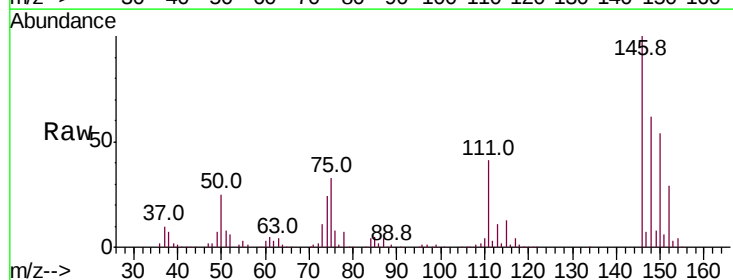
Tgt Ion:146 Resp: 332625

Ion Ratio Lower Upper

146 100

111 41.2 19.7 59.1

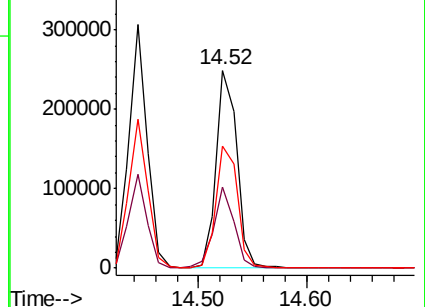
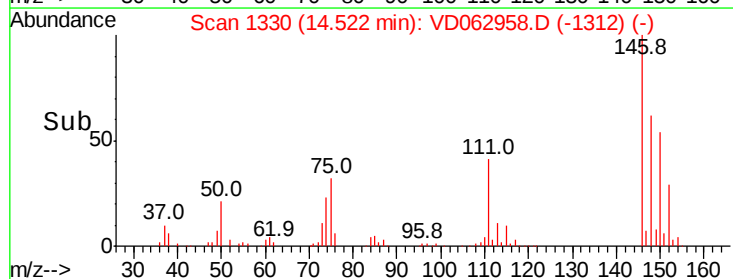
148 61.7 32.8 98.3

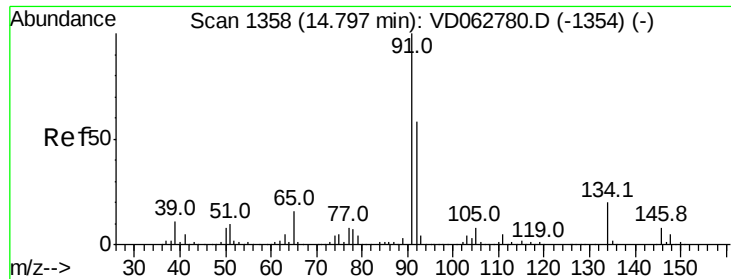


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.362 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062958.D

Acq: 28 Jun 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

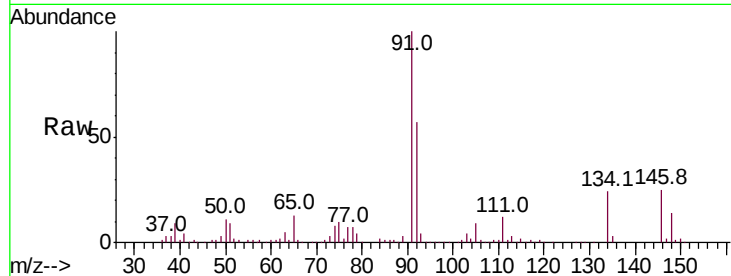
Tot Ion: 91 Resp: 613801

Ion Ratio Lower Upper

91 100

92 57.4 28.9 86.7

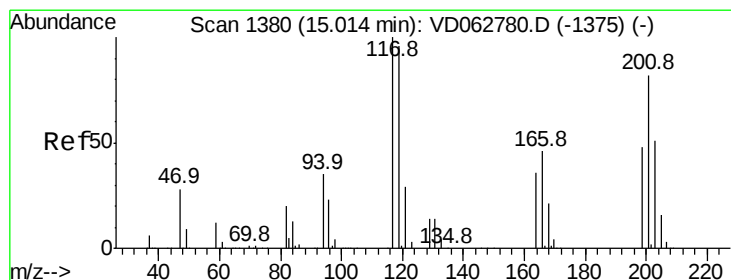
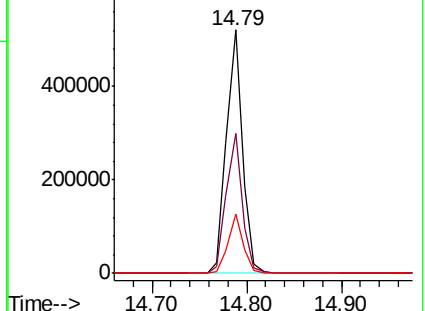
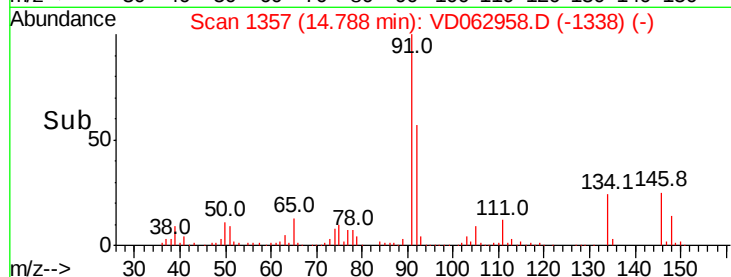
134 24.3 10.1 30.3



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: 17.494 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VD062958.D

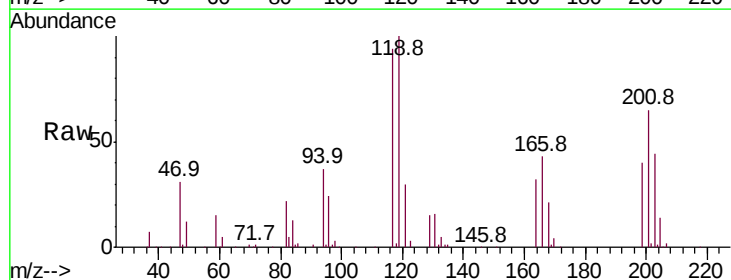
Acq: 28 Jun 2019 11:33

Tgt Ion: 117 Resp: 167990

Ion Ratio Lower Upper

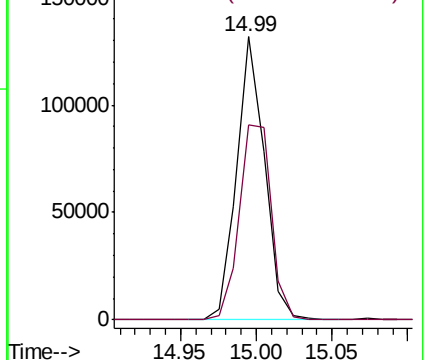
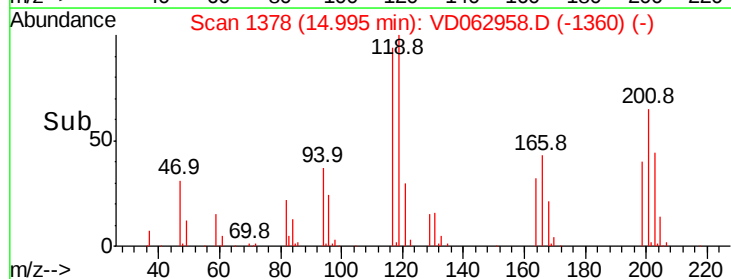
117 100

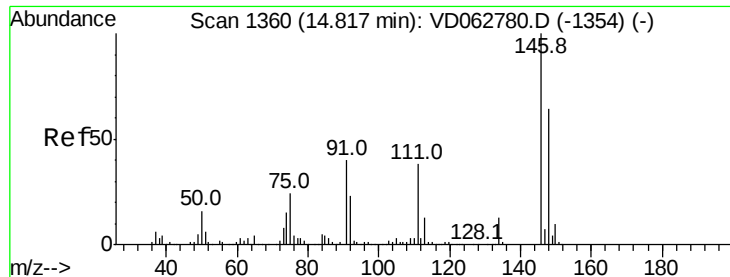
201 68.8 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

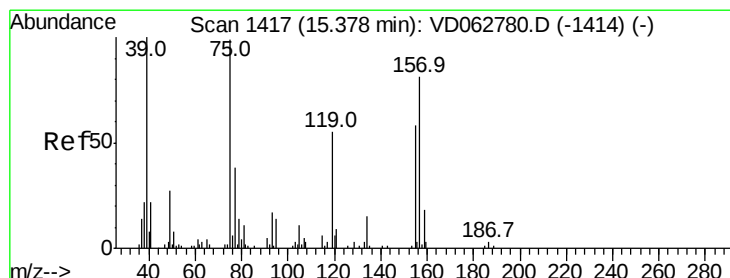
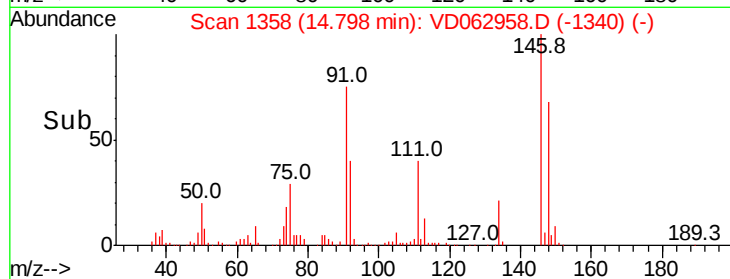
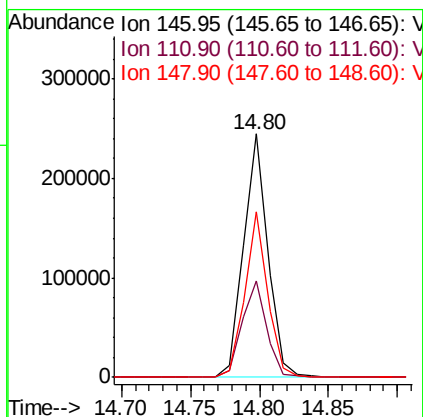
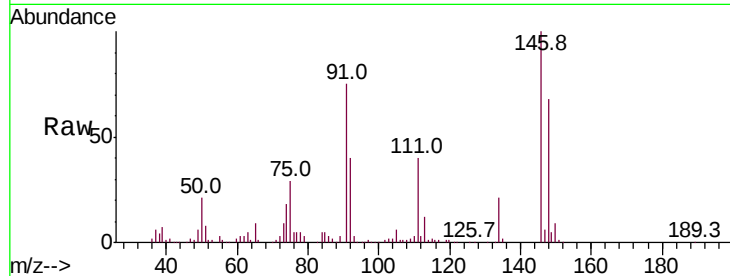




#91
 1,2-Dichlorobenzene
 Concen: 19.144 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

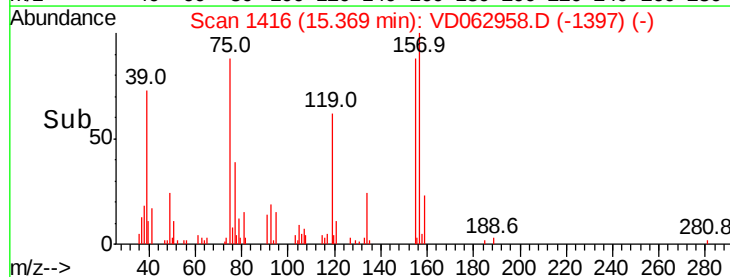
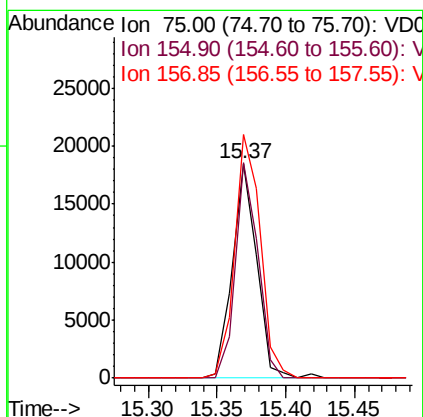
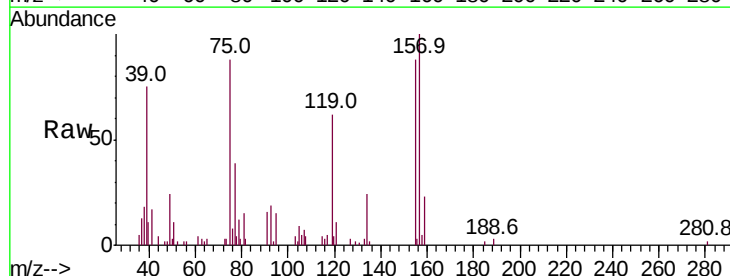
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

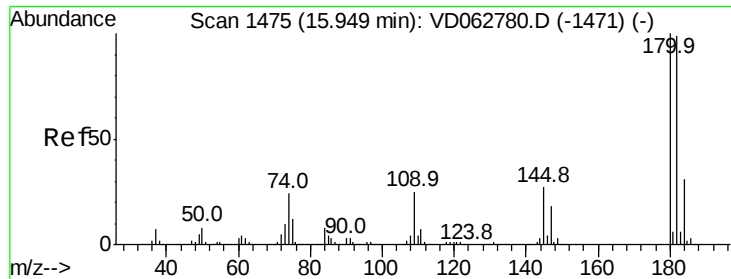
Tot Ion:146 Resp: 302976
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.1
 148 67.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.631 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion: 75 Resp: 22731
 Ion Ratio Lower Upper
 75 100
 155 100.3 29.3 87.8#
 157 113.5 41.3 123.7

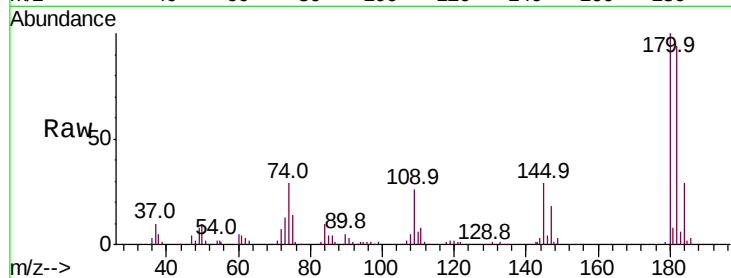




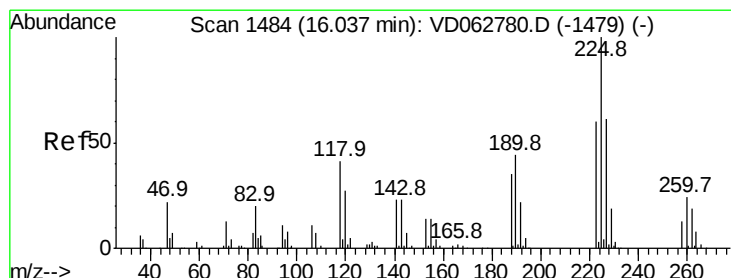
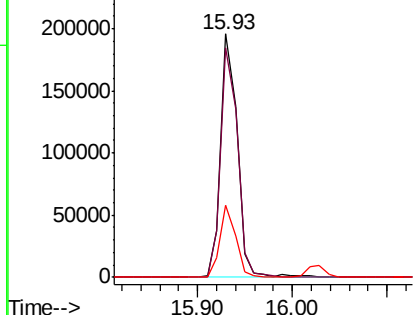
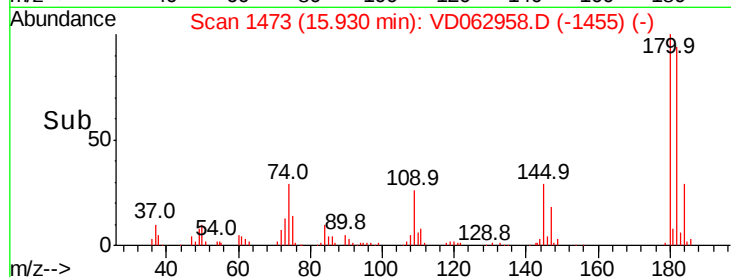
#93
 1,2,4-Trichlorobenzene
 Concen: 19.274 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	49.5	148.5
145	29.5	13.7	41.0

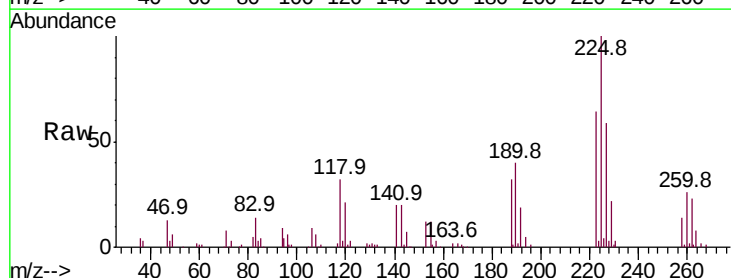


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

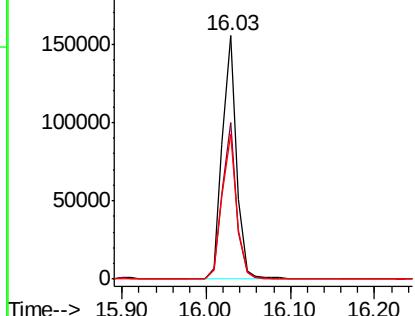
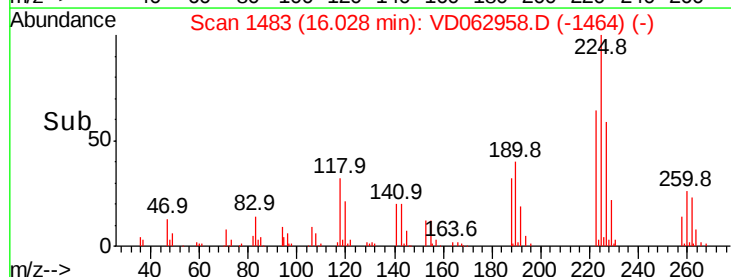


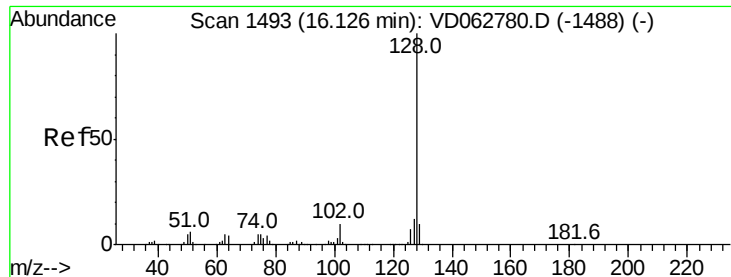
#94
 Hexachlorobutadiene
 Concen: 19.485 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062958.D
 Acq: 28 Jun 2019 11:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	29.8	89.5
227	59.5	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

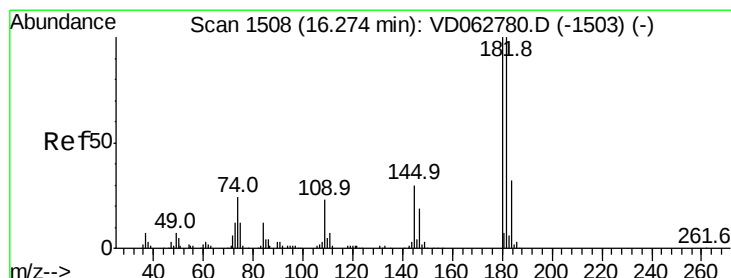
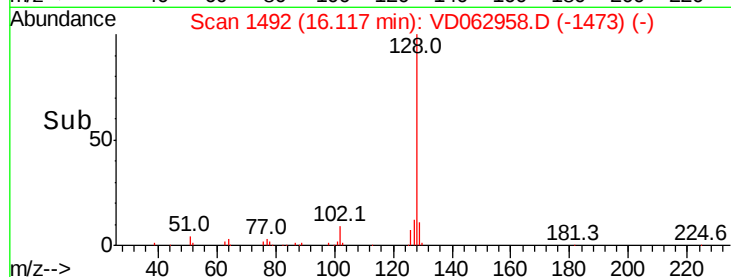
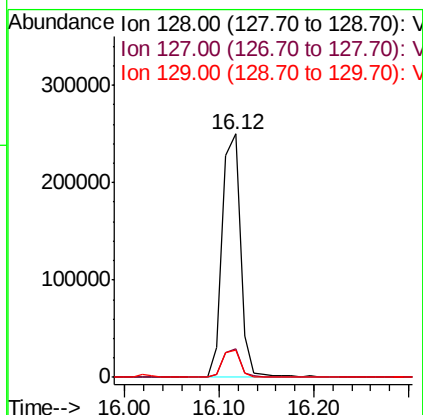
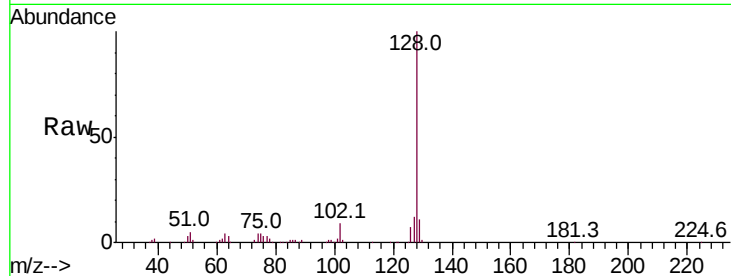




#95
Naphthalene
Concen: 19.385 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBSD01

Tot Ion:128 Resp: 335898
Ion Ratio Lower Upper
128 100
127 11.9 9.7 14.5
129 11.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.705 ug/l
RT: 16.25 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD062958.D
Acq: 28 Jun 2019 11:33

Tgt Ion:180 Resp: 187173
Ion Ratio Lower Upper
180 100
182 96.2 49.9 149.6
145 32.0 15.2 45.5

