

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062957.D
 Acq On : 28 Jun 2019 11:05
 Operator : VA/AP
 Sample : VD0628SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Quant Time: Jun 29 00:13:05 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	7.02	168	820289	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	1150528	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	953305	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	512285	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	435759	48.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	6.90	113	458833	47.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	10.38	98	1000323	47.38	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	13.54	95	438719	45.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	216617	20.407	ug/l	96
3) Chloromethane	1.75	50	162429	20.347	ug/l	99
4) Vinyl Chloride	1.83	62	154693	19.544	ug/l	97
5) Bromomethane	2.14	94	52654	14.205	ug/l	96
6) Chloroethane	2.24	64	64462	17.989	ug/l	90
7) Trichlorofluoromethane	2.51	101	288915	18.036	ug/l	98
8) Diethyl Ether	2.85	74	41221	20.253	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.12	101	172293	19.854	ug/l	94
10) Methyl Iodide	3.28	142	192162	16.784	ug/l	99
11) Tert butyl alcohol	4.06	59	42630	104.975	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	122594	18.831	ug/l	88
13) Acrolein	3.02	56	31784	76.666	ug/l #	74
14) Allyl chloride	3.59	41	196427	20.420	ug/l	96
15) Acrylonitrile	4.17	53	96496	101.126	ug/l	93
16) Acetone	3.20	43	176696	93.337	ug/l	98
17) Carbon Disulfide	3.35	76	378245	18.180	ug/l #	94
18) Methyl Acetate	3.62	43	70457	26.176	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	294221	20.877	ug/l #	89
20) Methylene Chloride	3.79	84	132717	19.517	ug/l	85
21) trans-1,2-Dichloroethene	4.18	96	127252	18.358	ug/l	88
22) Diisopropyl ether	5.09	45	387685	19.818	ug/l	98
23) Vinyl Acetate	5.02	43	1194897	97.614	ug/l	99
24) 1,1-Dichloroethane	4.94	63	252164	19.798	ug/l	98
25) 2-Butanone	6.05	43	163132	97.822	ug/l	97
26) 2,2-Dichloropropane	5.99	77	265714	19.682	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	137943	18.818	ug/l	75
28) Bromochloromethane	6.41	49	107040	23.862	ug/l	91
29) Tetrahydrofuran	6.44	42	75773	96.034	ug/l	98
30) Chloroform	6.63	83	293501	18.948	ug/l	93
31) Cyclohexane	6.92	56	151149	18.052	ug/l	88
32) 1,1,1-Trichloroethane	6.84	97	318661	19.751	ug/l	97
36) 1,1-Dichloropropene	7.12	75	204110	18.741	ug/l	93
37) Ethyl Acetate	6.16	43	81310	17.046	ug/l #	93
38) Carbon Tetrachloride	7.08	117	300307	18.334	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	183258	19.115	ug/l	96
40) Benzene	7.43	78	408687	18.694	ug/l	96
41) Methacrylonitrile	6.43	41	109580	19.078	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	223303	18.723	ug/l	96
43) Isopropyl Acetate	9.22	43	110983	19.437	ug/l #	99
44) Trichloroethene	8.51	130	153914	17.958	ug/l	98
45) 1,2-Dichloropropane	8.92	63	94683	17.417	ug/l	94
46) Dibromomethane	9.04	93	85413	18.291	ug/l	95
47) Bromodichloromethane	9.35	83	231218	19.065	ug/l #	99
48) Methyl methacrylate	9.10	41	78387	19.318	ug/l	96
49) 1,4-Dioxane	9.07	88	14364	425.492	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	396243	97.878	ug/l	97
52) Toluene	10.48	92	274641	18.688	ug/l	94
53) t-1,3-Dichloropropene	10.89	75	192685	19.411	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	202061	18.728	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	94658	18.748	ug/l	97
56) Ethyl methacrylate	11.02	69	99761	18.489	ug/l	97
57) 1,3-Dichloropropane	11.39	76	147493	19.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	313978	113.345	ug/l	92
59) 2-Hexanone	11.52	43	266618	92.473	ug/l	98
60) Dibromochloromethane	11.66	129	170387	18.118	ug/l	99
61) 1,2-Dibromoethane	11.78	107	114594	19.217	ug/l	95
64) Tetrachloroethene	11.23	164	148842	18.971	ug/l	95
65) Chlorobenzene	12.38	112	333751	18.864	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.50	131	164356	19.864	ug/l	98
67) Ethyl Benzene	12.51	91	646087	20.340	ug/l	98
68) m/p-Xylenes	12.65	106	415994	37.601	ug/l	98
69) o-Xylene	13.03	106	190306	18.817	ug/l	90
70) Styrene	13.06	104	344167	19.374	ug/l	90
71) Bromoform	13.22	173	104005	18.347	ug/l	95
73) Isopropylbenzene	13.39	105	659639	20.082	ug/l	99
74) N-amyl acetate	13.25	43	157915	19.797	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.68	83	108539	20.281	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	122617	20.733	ug/l	98
77) Bromobenzene	13.65	156	182389	20.644	ug/l	81
78) n-propylbenzene	13.76	91	728754	19.062	ug/l	93
79) 2-Chlorotoluene	13.83	91	412536	18.882	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	520056	18.849	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	26957	17.392	ug/l	89
82) 4-Chlorotoluene	13.94	91	513176	19.510	ug/l	98
83) tert-Butylbenzene	14.17	119	620043	20.162	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	545947	19.306	ug/l	94
85) sec-Butylbenzene	14.35	105	646608	19.345	ug/l	96
86) p-Isopropyltoluene	14.48	119	620159	20.281	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	306601	19.360	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	293683	18.463	ug/l	94
89) n-Butylbenzene	14.79	91	594979	20.789	ug/l	99
90) Hexachloroethane	14.99	117	164203	19.972	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	279164	20.603	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	21084	20.184	ug/l	88

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

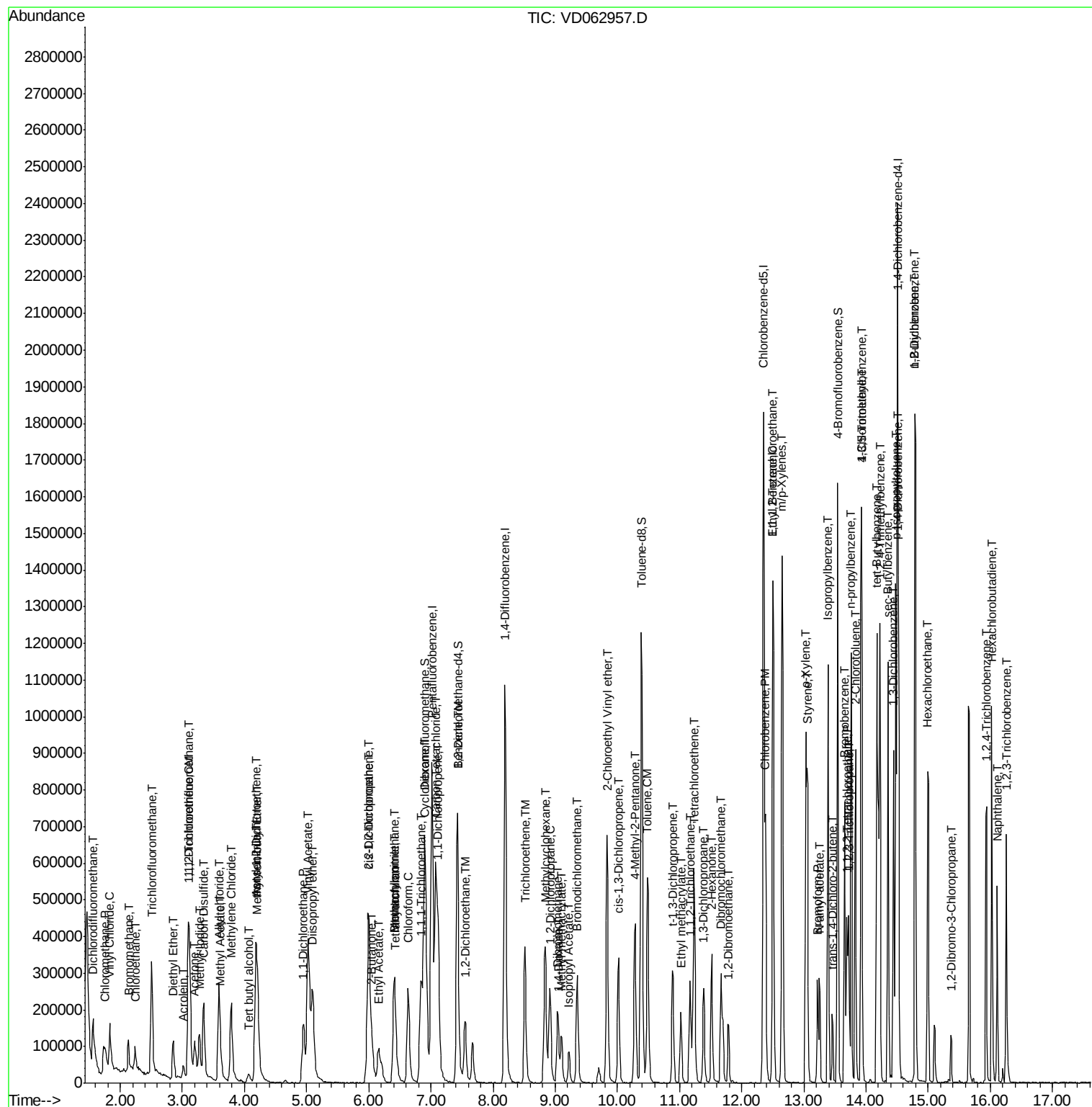
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	206954	19.552	ug/l	92
94) Hexachlorobutadiene	16.03	225	155718	19.257	ug/l	96
95) Naphthalene	16.11	128	301405	20.317	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	172183	21.172	ug/l	94

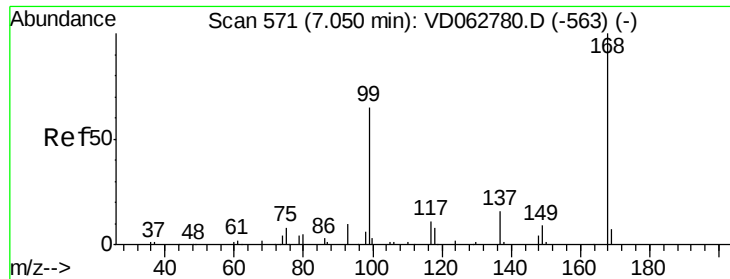
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

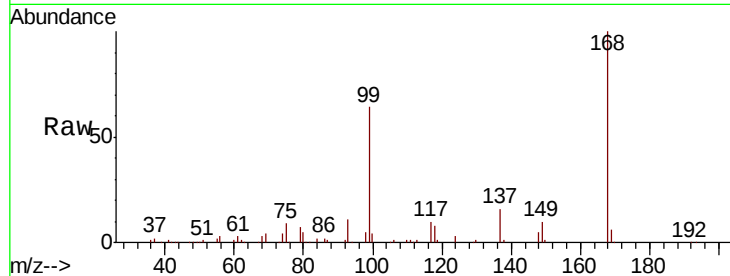
VD0628SBS01

Tot Ion:168 Resp: 820289

Ion Ratio Lower Upper

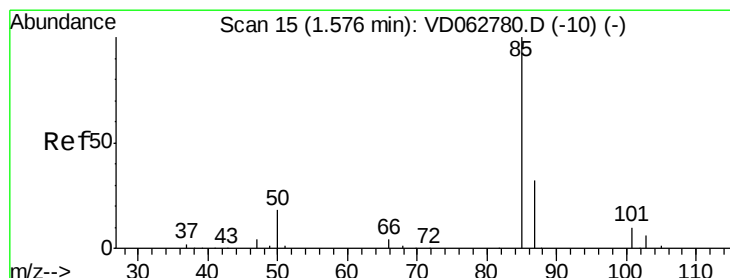
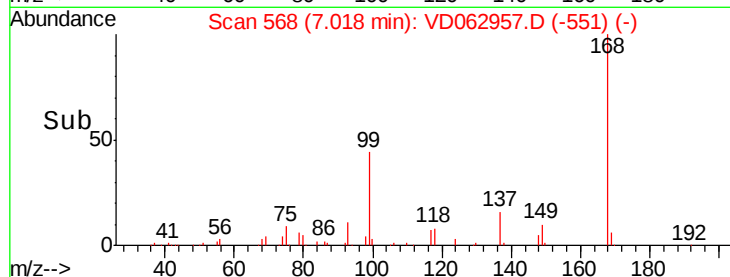
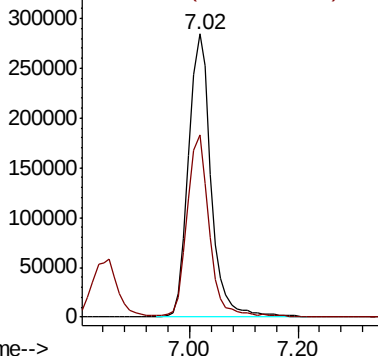
168 100

99 64.5 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: 20.407 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062957.D

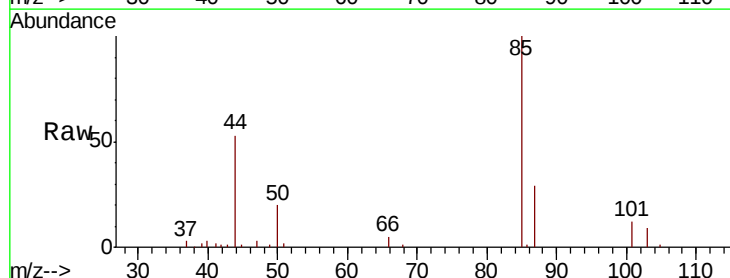
Acq: 28 Jun 2019 11:05

Tgt Ion: 85 Resp: 216617

Ion Ratio Lower Upper

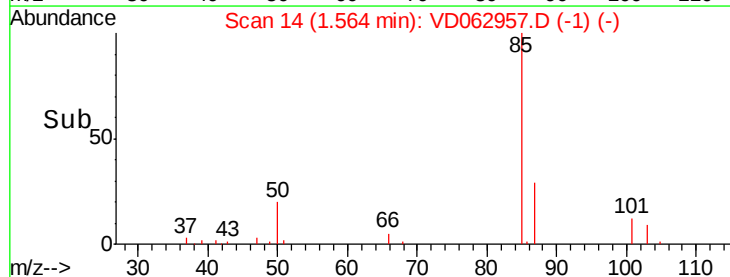
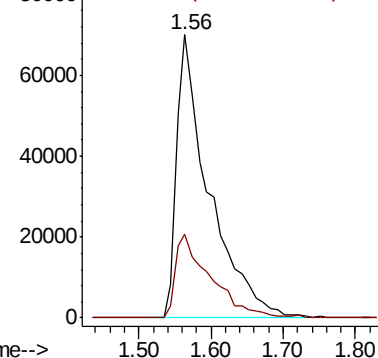
85 100

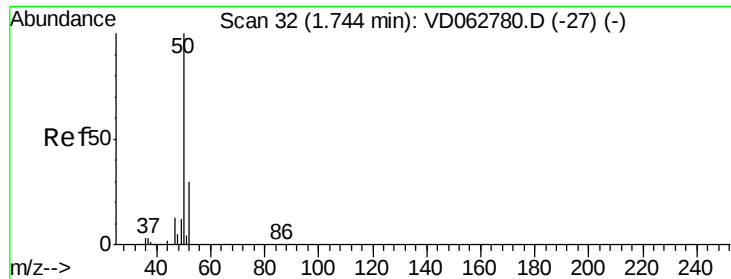
87 29.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.347 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

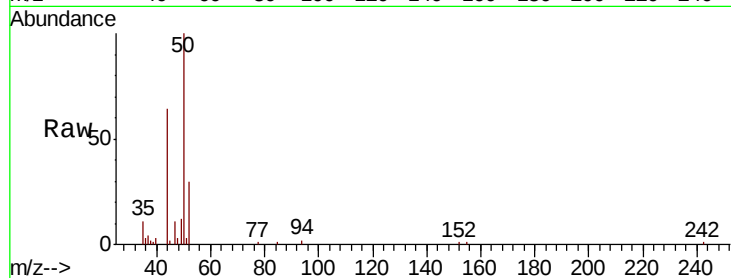
VD0628SBS01

Tot Ion: 50 Resp: 162429

Ion Ratio Lower Upper

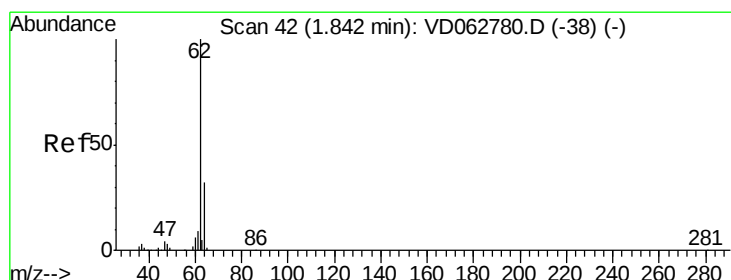
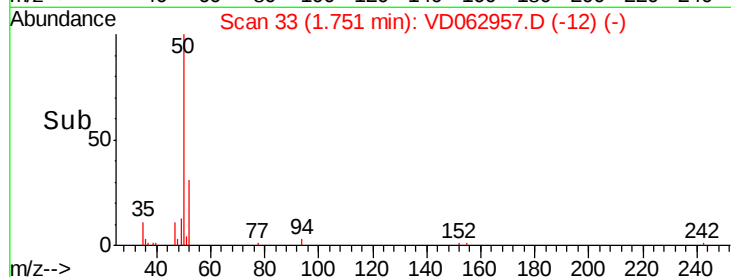
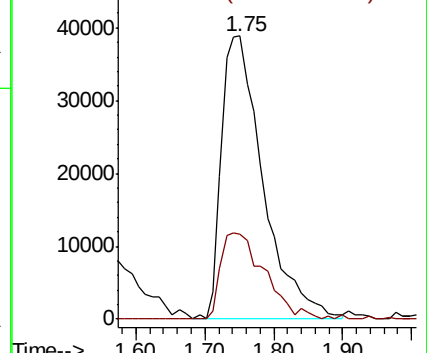
50 100

52 29.9 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.544 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062957.D

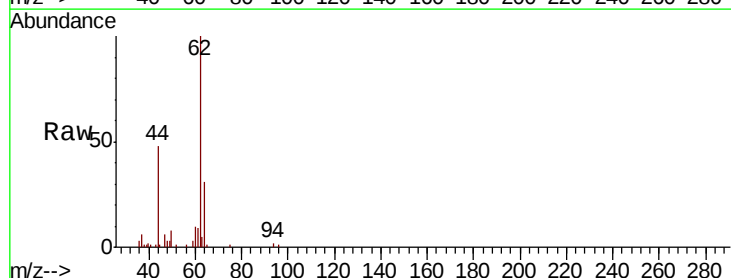
Acq: 28 Jun 2019 11:05

Tgt Ion: 62 Resp: 154693

Ion Ratio Lower Upper

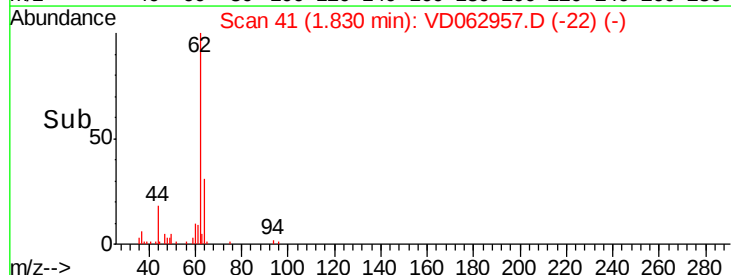
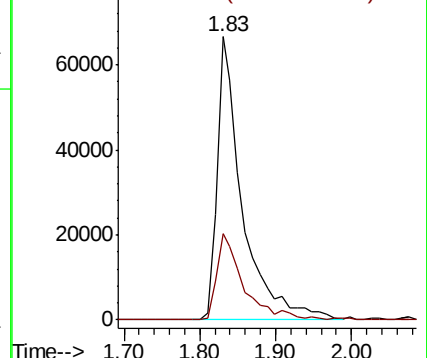
62 100

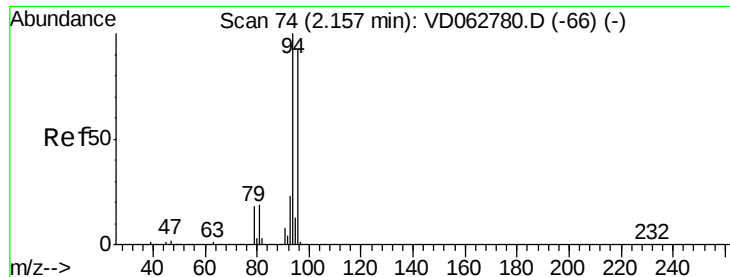
64 30.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.205 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062957.D

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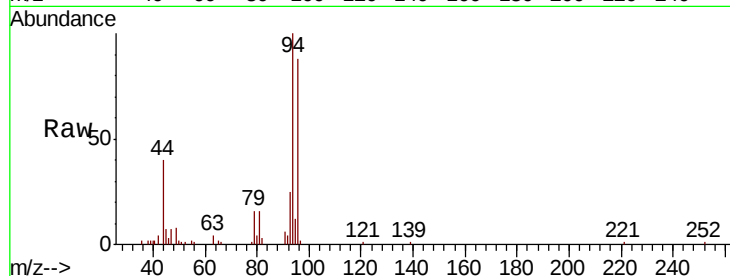
Tot Ion: 94 Resp: 52654

Ion Ratio Lower Upper

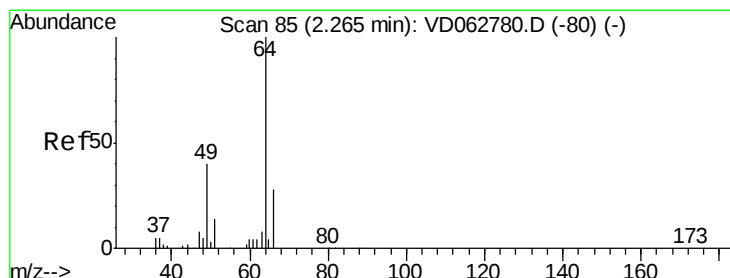
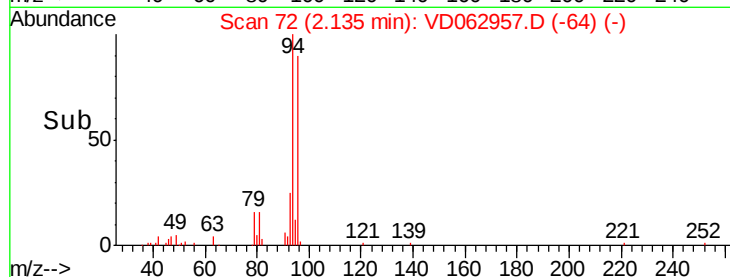
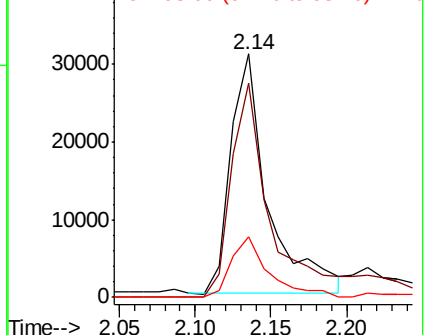
94 100

96 88.0 73.4 110.2

93 24.6 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.989 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062957.D

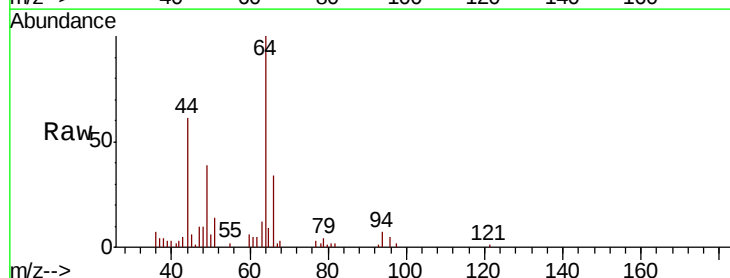
Acq: 28 Jun 2019 11:05

Tgt Ion: 64 Resp: 64462

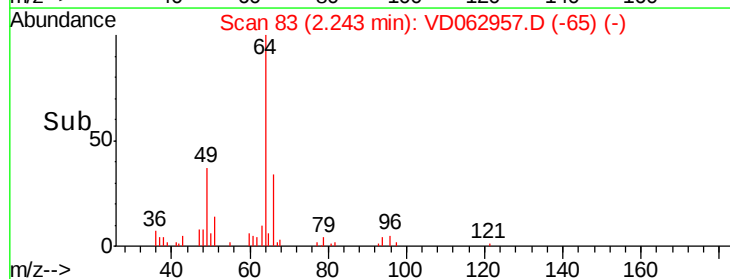
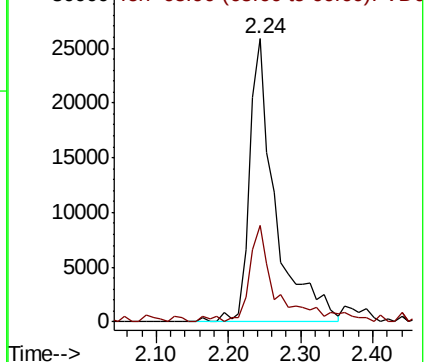
Ion Ratio Lower Upper

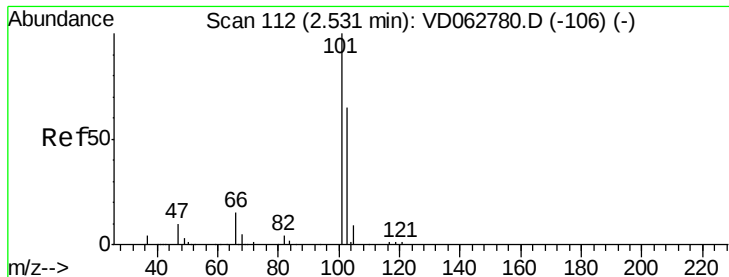
64 100

66 34.0 23.0 34.4



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



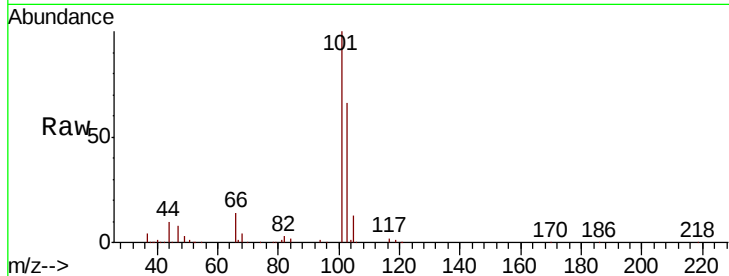


#7

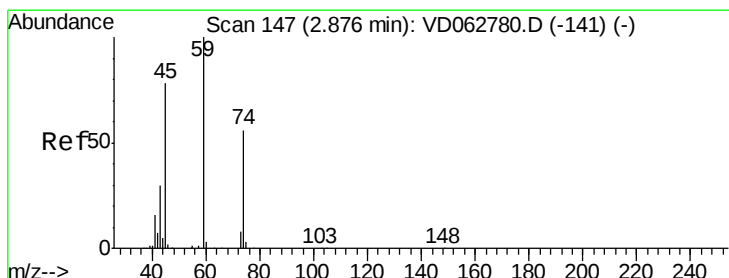
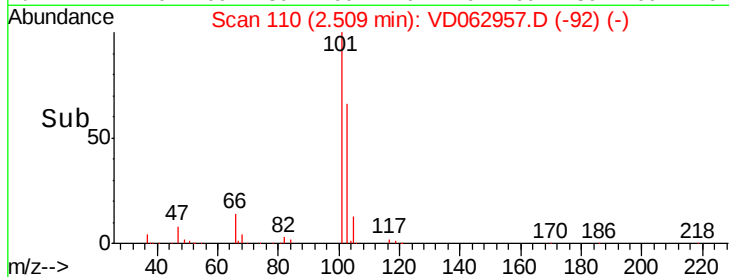
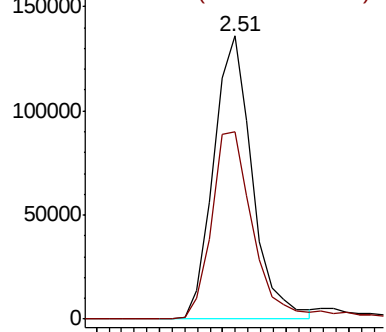
Trichlorofluoromethane
 Concen: 18.036 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.02 min
 Lab File: VD062957.D
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Instrument :
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Tot Ion:101 Resp: 288915
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.8 77.8



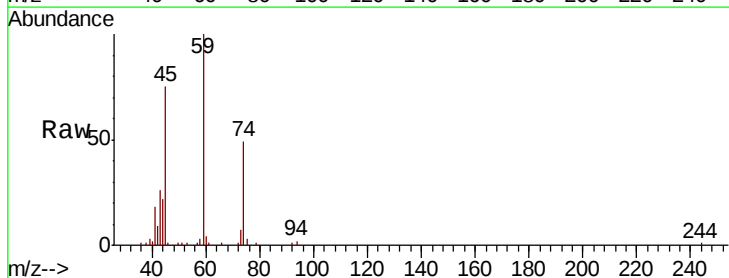
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



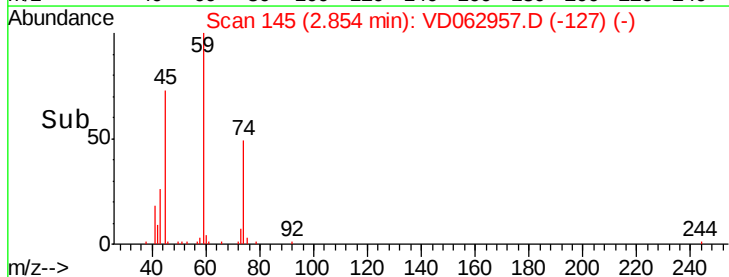
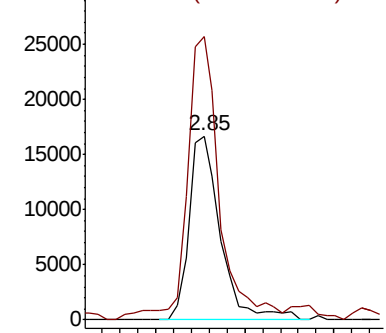
#8

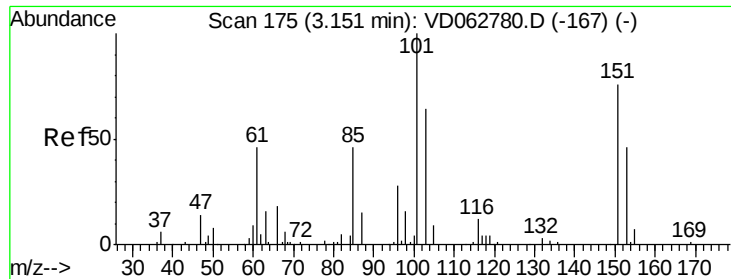
Diethyl Ether
 Concen: 20.253 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 74 Resp: 41221
 Ion Ratio Lower Upper
 74 100
 45 154.1 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 30000 Ion 45.05 (44.75 to 45.75): VDC

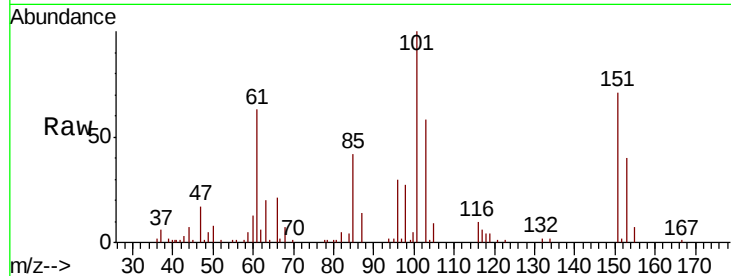




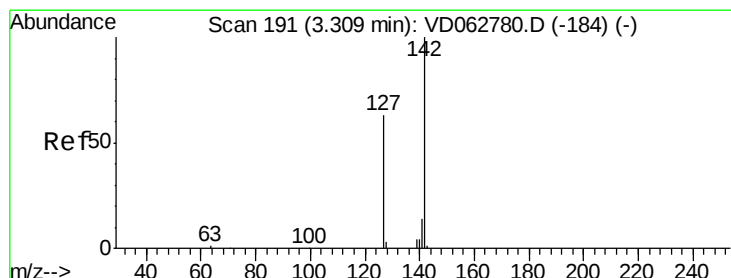
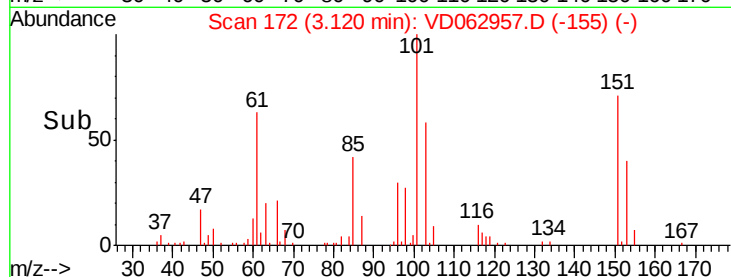
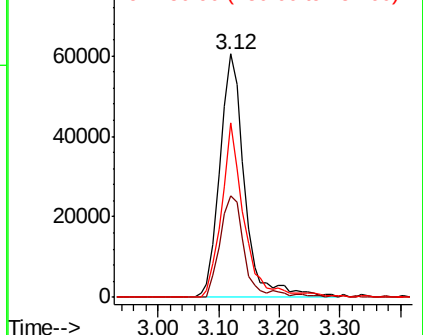
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.854 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.03 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Tot Ion:101 Resp: 172293
 Ion Ratio Lower Upper
 101 100
 85 41.6 37.0 55.4
 151 71.4 60.5 90.7

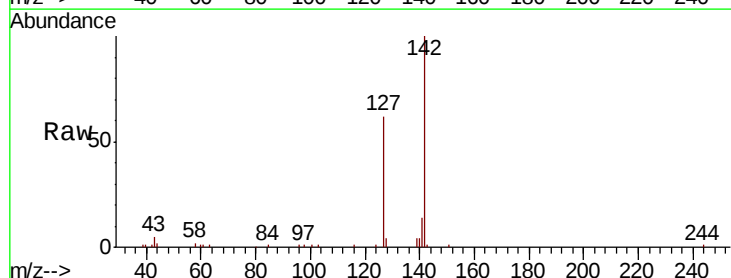


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

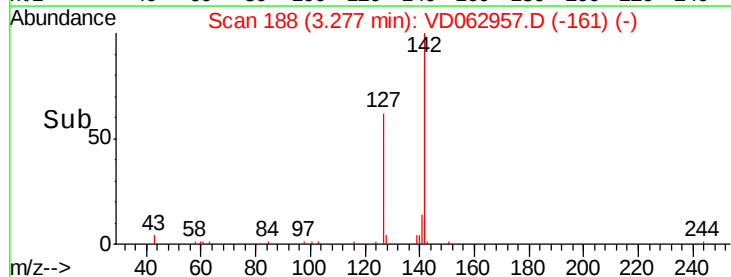
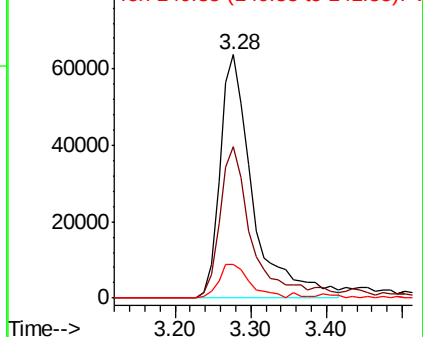


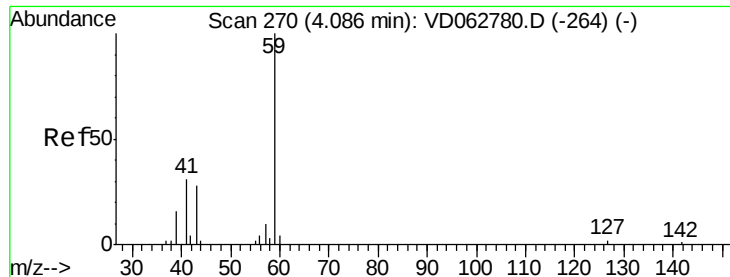
#10
 Methyl Iodide
 Concen: 16.784 ug/l
 RT: 3.28 min Scan# 188
 Delta R.T. -0.03 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion:142 Resp: 192162
 Ion Ratio Lower Upper
 142 100
 127 62.1 50.1 75.1
 141 13.9 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



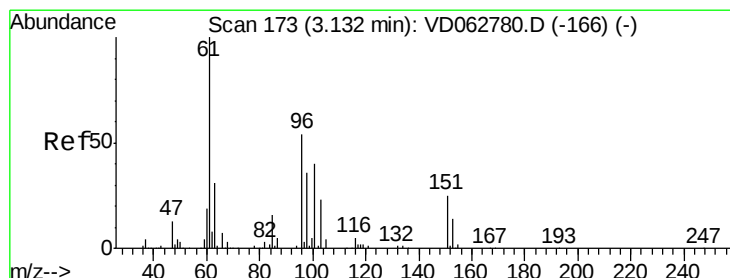
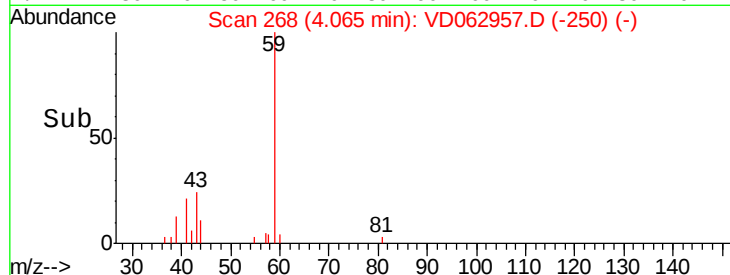
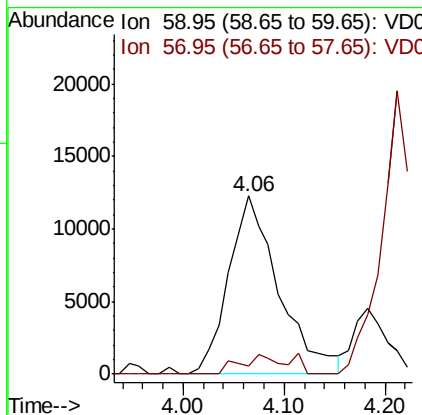
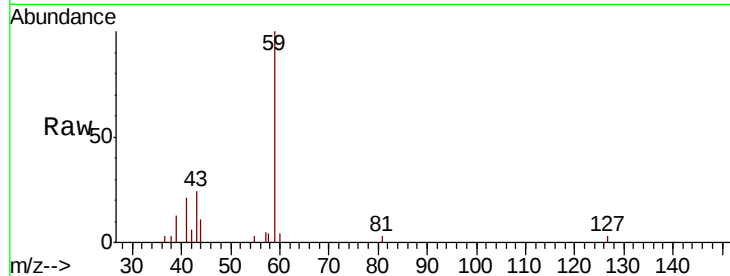


#11

Tert butyl alcohol
 Concen: 104.975 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

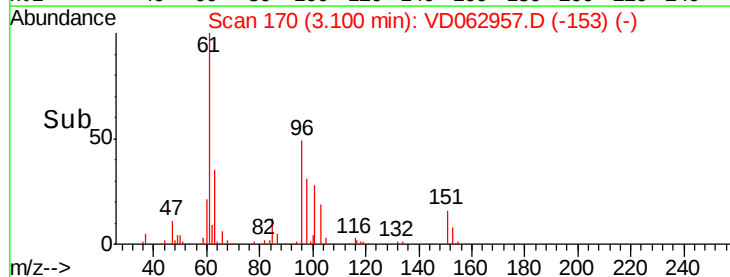
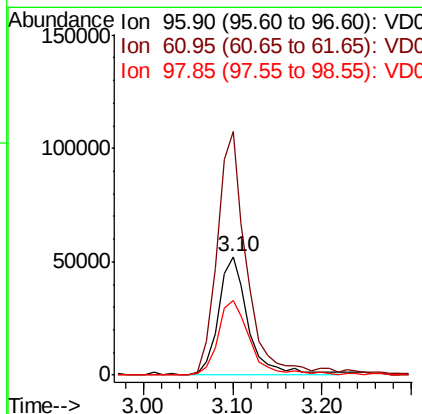
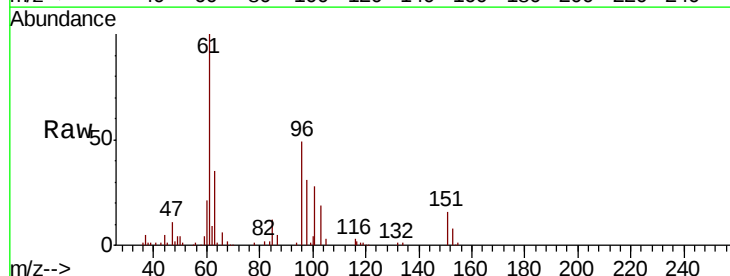
Tot Ion: 59 Resp: 42630
 Ion Ratio Lower Upper
 59 100
 57 4.7 6.6 10.0#



#12

1,1-Dichloroethene
 Concen: 18.831 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.03 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 96 Resp: 122594
 Ion Ratio Lower Upper
 96 100
 61 205.9 147.1 220.7
 98 63.3 52.6 79.0





#13

Acrolein

Concen: 76.666 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

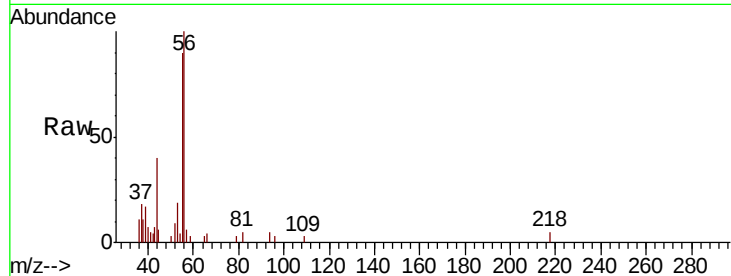
VD0628SBS01

Tot Ion: 56 Resp: 31784

Ion Ratio Lower Upper

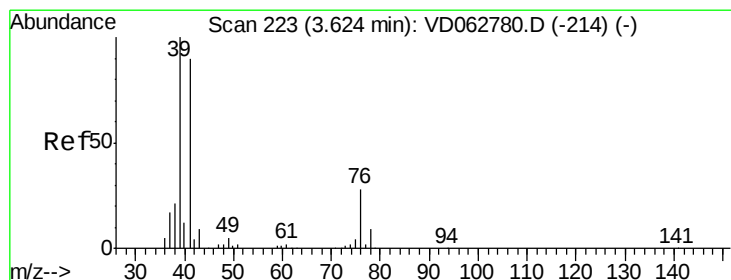
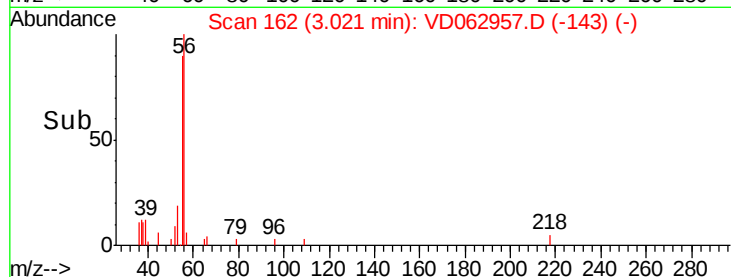
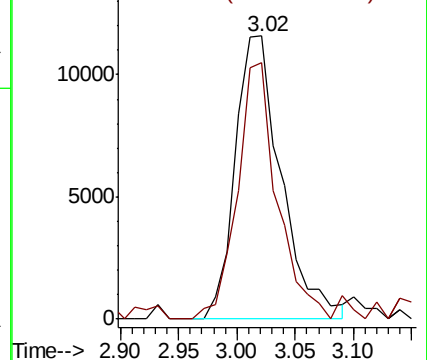
56 100

55 90.4 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.420 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

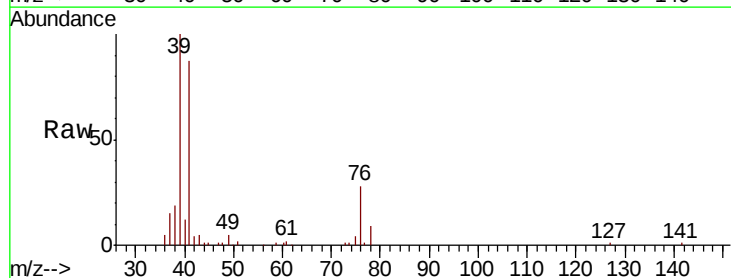
Tgt Ion: 41 Resp: 196427

Ion Ratio Lower Upper

41 100

39 115.3 88.8 133.2

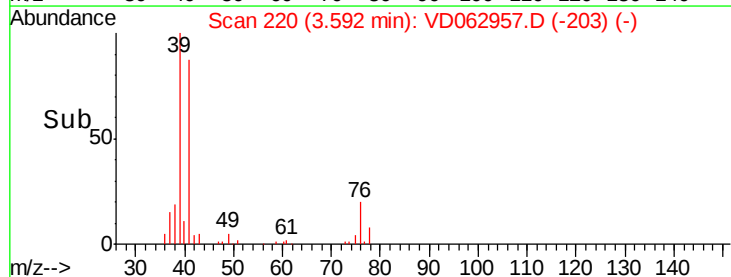
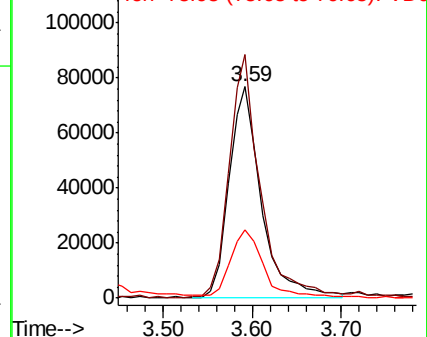
76 32.4 26.7 40.1

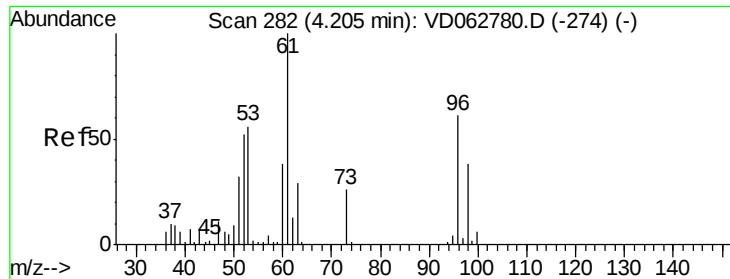


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.126 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

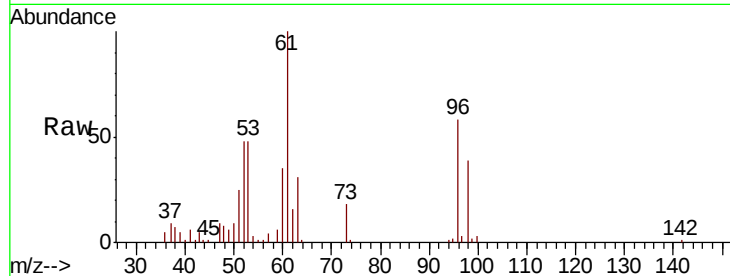
Tot Ion: 53 Resp: 96496

Ion Ratio Lower Upper

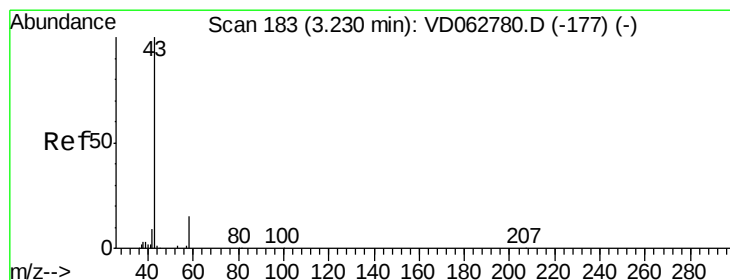
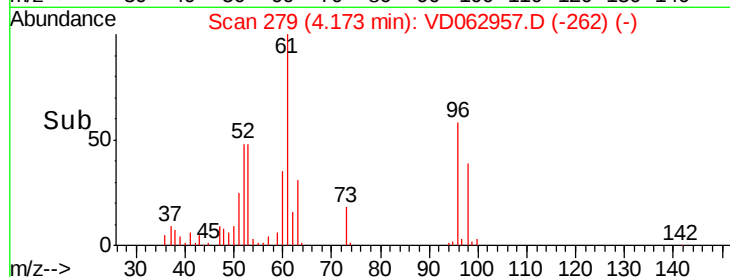
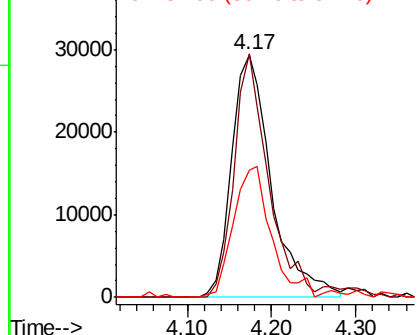
53 100

52 100.4 73.3 109.9

51 52.6 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: 93.337 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062957.D

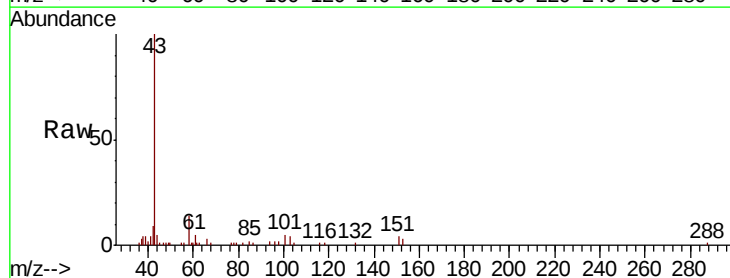
Acq: 28 Jun 2019 11:05

Tgt Ion: 43 Resp: 176696

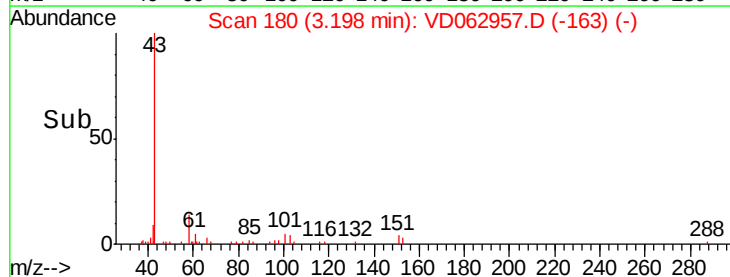
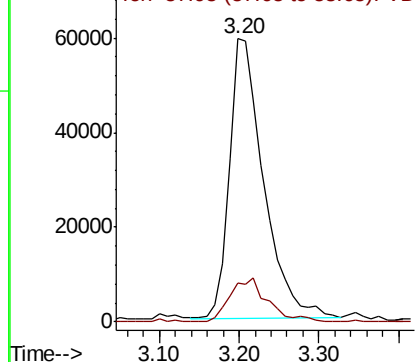
Ion Ratio Lower Upper

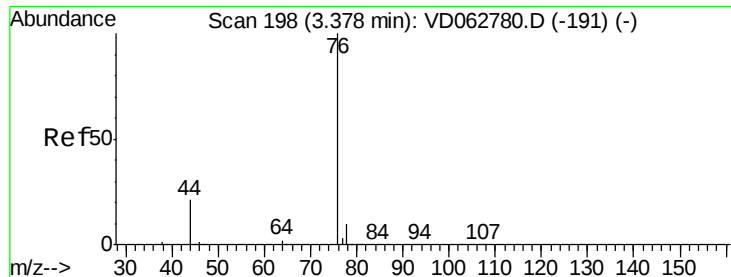
43 100

58 14.0 11.9 17.9



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

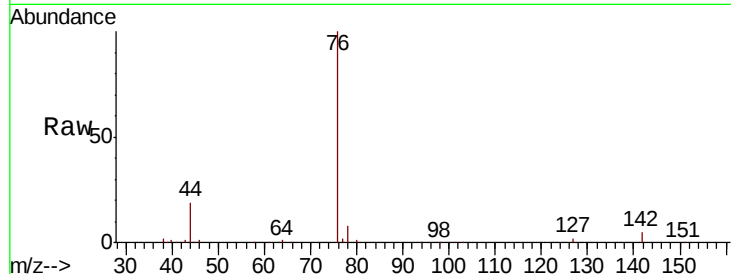




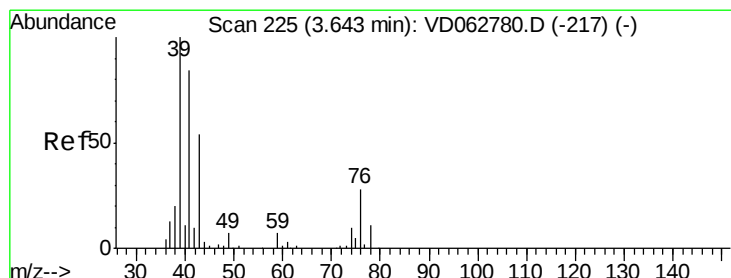
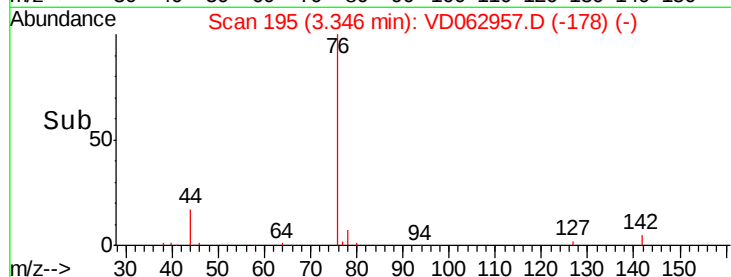
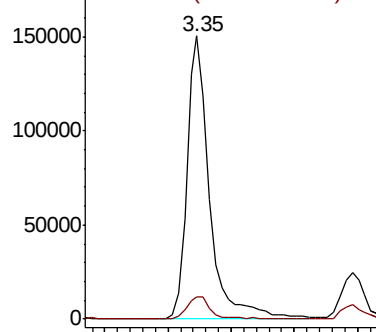
#17
Carbon Disulfide
Concen: 18.180 ug/l
RT: 3.35 min Scan# 195
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 76 Resp: 378245
Ion Ratio Lower Upper
76 100
78 7.9 8.0 12.0#

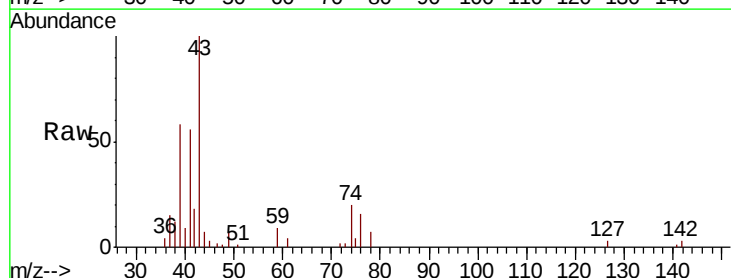


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

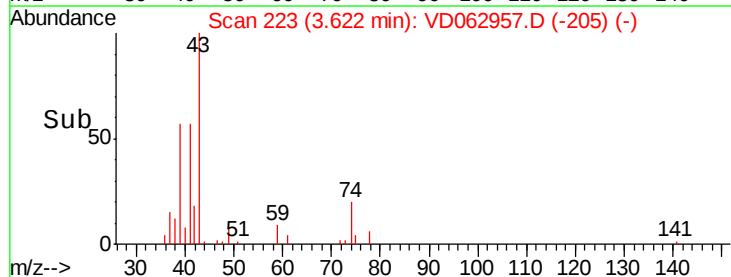
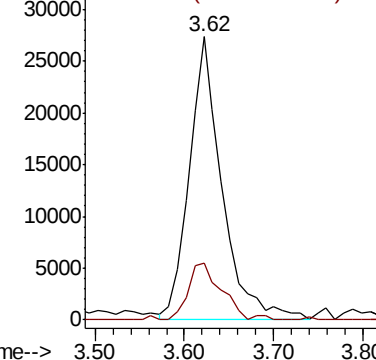


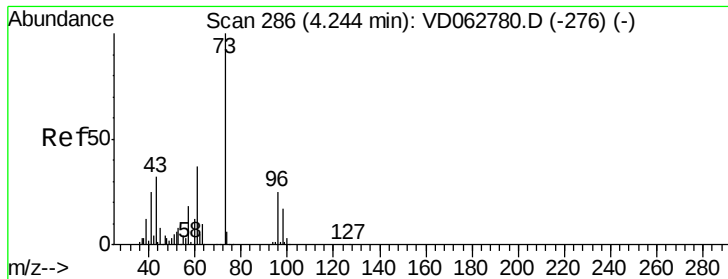
#18
Methyl Acetate
Concen: 26.176 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 43 Resp: 70457
Ion Ratio Lower Upper
43 100
74 20.0 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

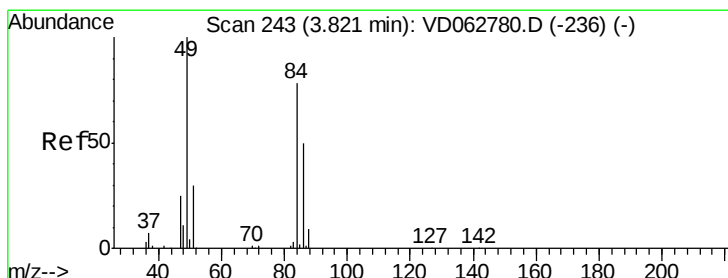
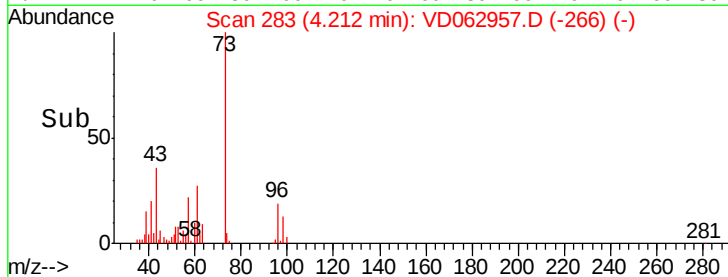
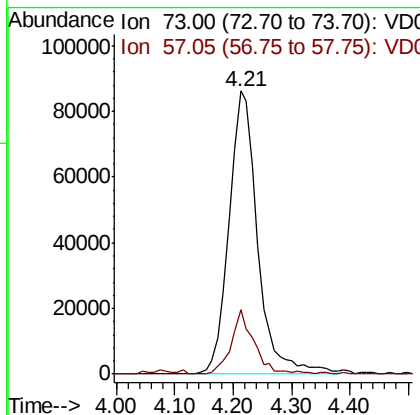
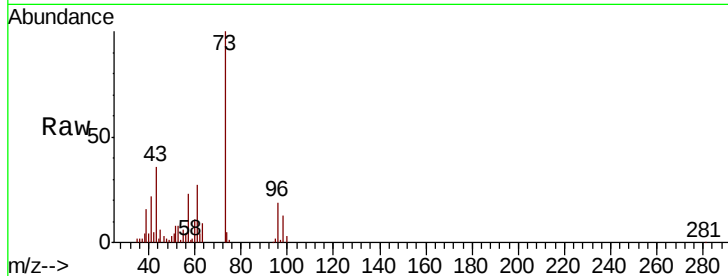




#19
Methyl tert-butyl Ether
Concen: 20.877 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

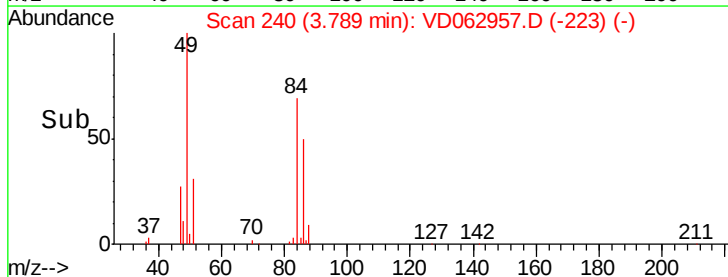
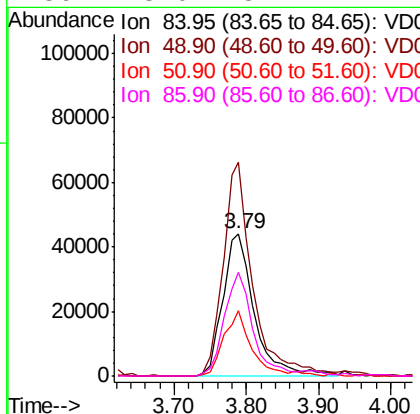
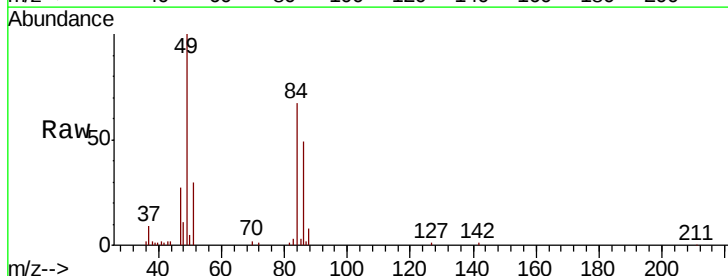
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

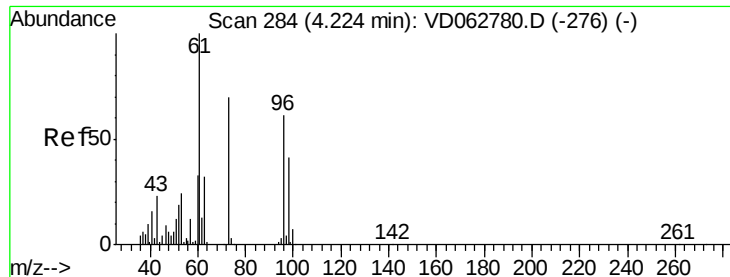
Tot Ion: 73 Resp: 294221
Ion Ratio Lower Upper
73 100
57 22.6 14.3 21.5#



#20
Methylene Chloride
Concen: 19.517 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 84 Resp: 132717
Ion Ratio Lower Upper
84 100
49 150.0 102.9 154.3
51 45.5 31.2 46.8
86 73.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.358 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

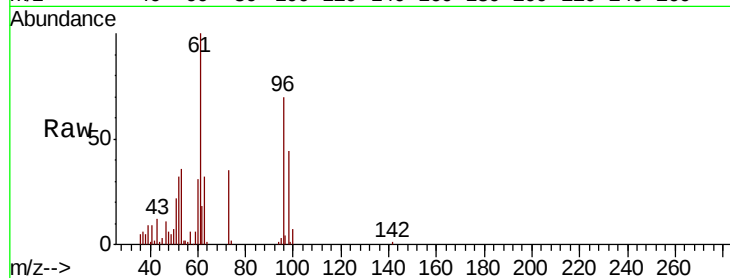
Tot Ion: 96 Resp: 127252

Ion Ratio Lower Upper

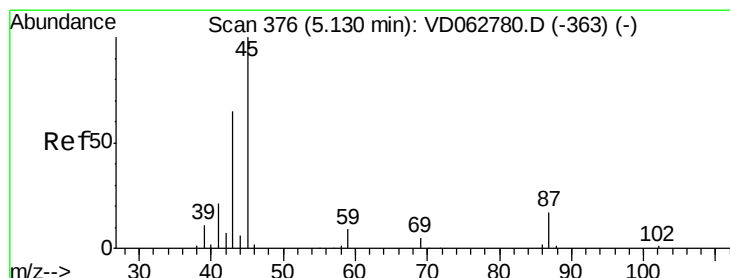
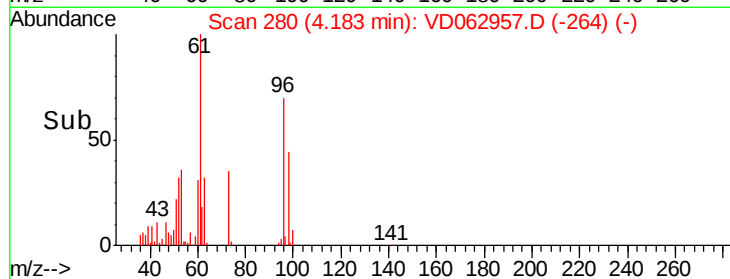
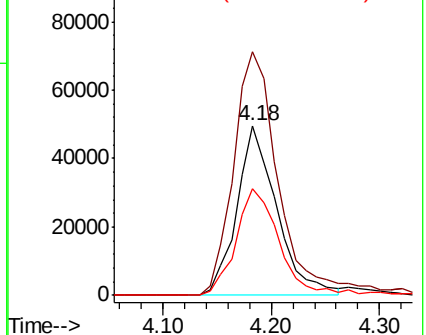
96 100

61 143.5 131.0 196.4

98 63.2 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: 19.818 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Tgt Ion: 45 Resp: 387685

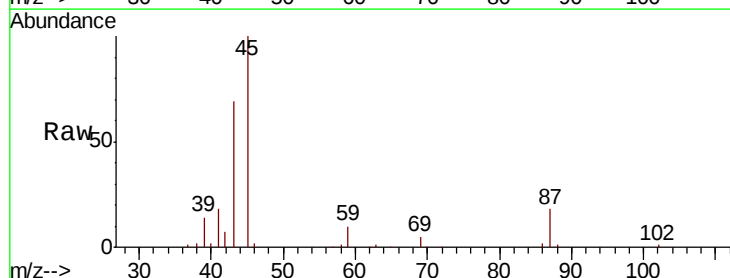
Ion Ratio Lower Upper

45 100

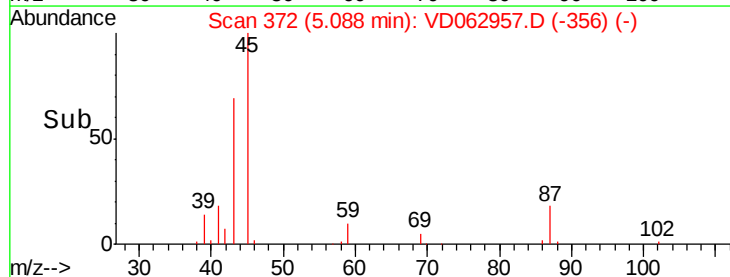
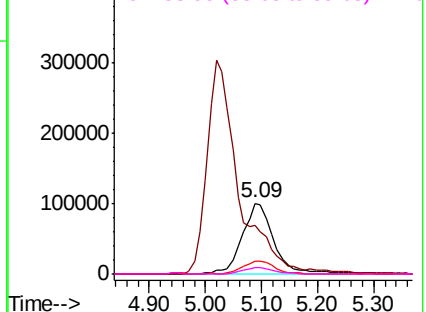
43 68.7 53.4 80.0

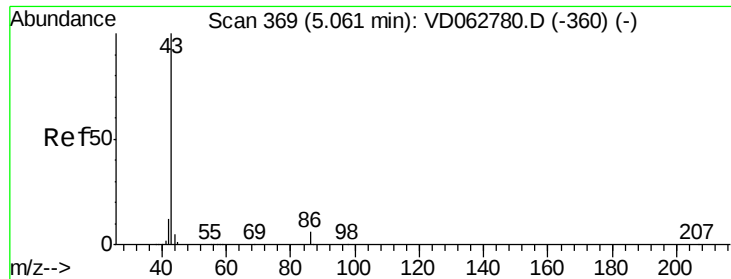
87 18.2 14.6 22.0

59 9.8 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: 97.614 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

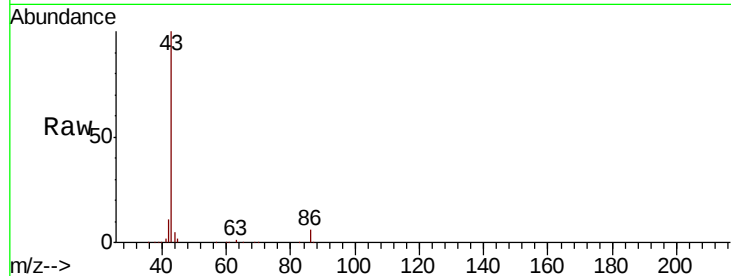
VD0628SBS01

Tot Ion: 43 Resp: 1194897

Ion Ratio Lower Upper

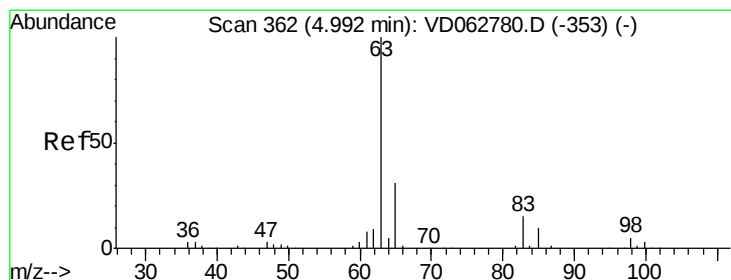
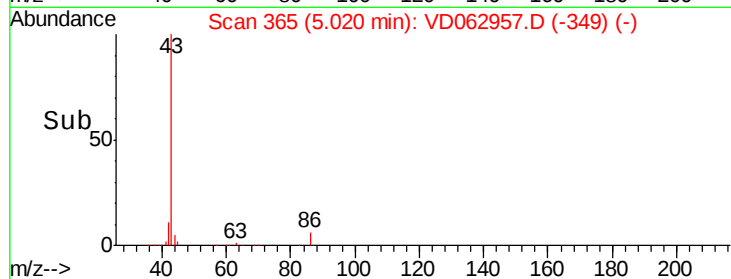
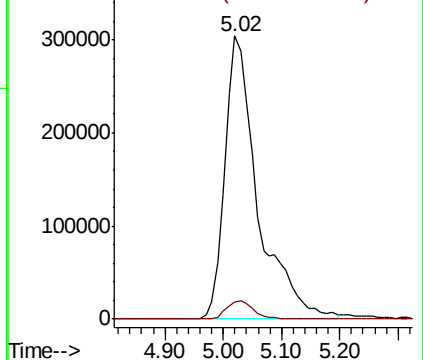
43 100

86 6.2 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: 19.798 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

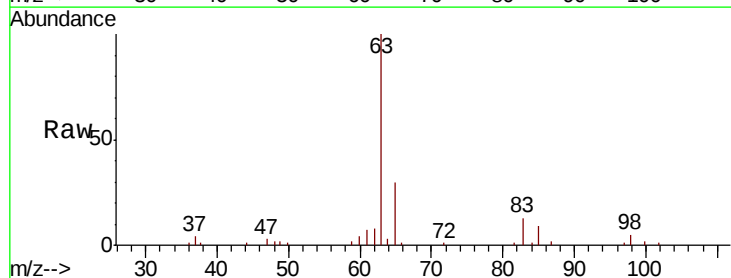
Tgt Ion: 63 Resp: 252164

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

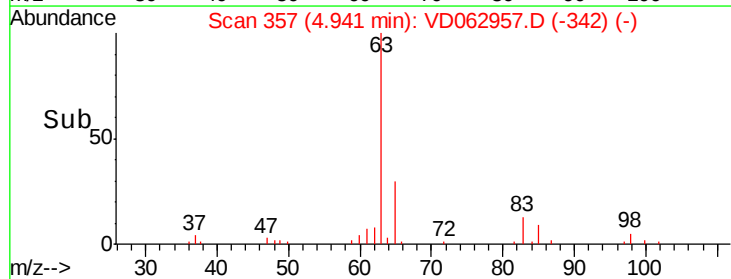
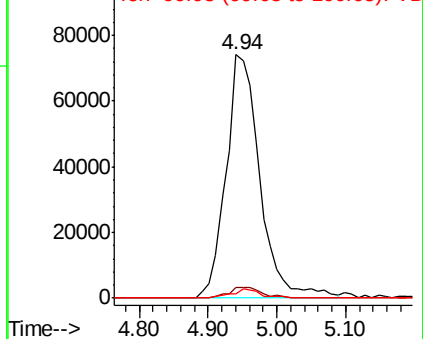
100 2.0 1.7 5.1

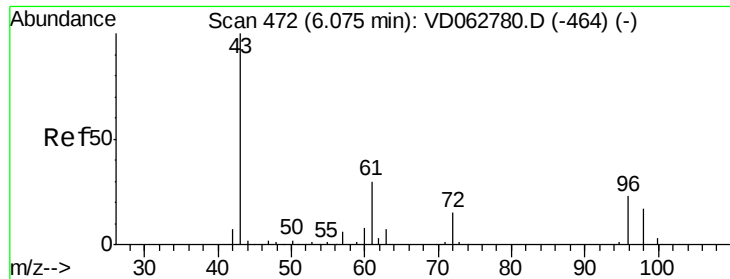


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.822 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

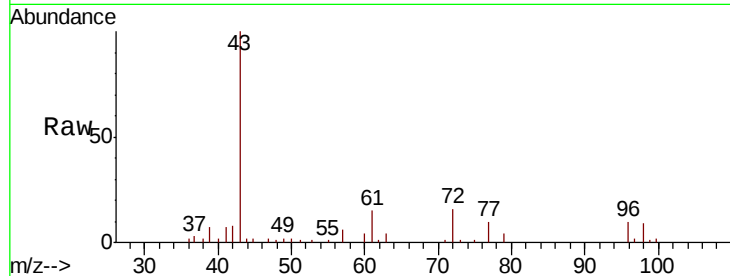
VD0628SBS01

Tot Ion: 43 Resp: 163132

Ion Ratio Lower Upper

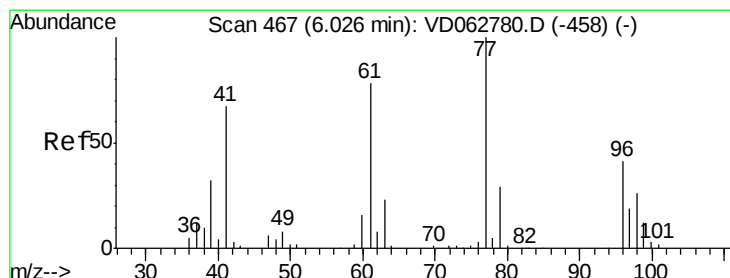
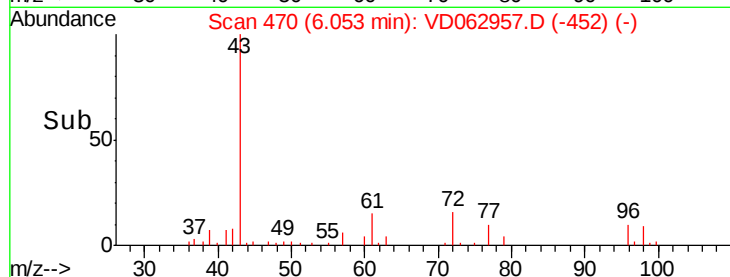
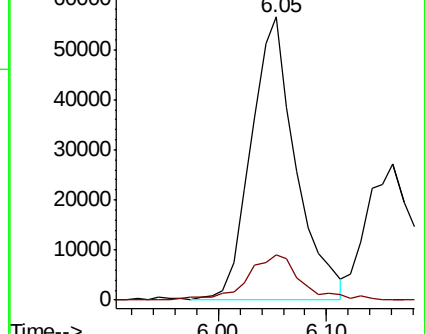
43 100

72 16.1 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: 19.682 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062957.D

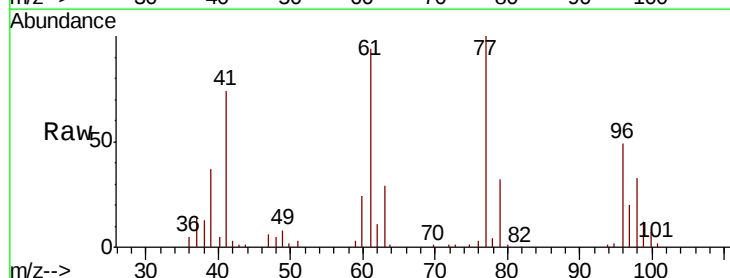
Acq: 28 Jun 2019 11:05

Tgt Ion: 77 Resp: 265714

Ion Ratio Lower Upper

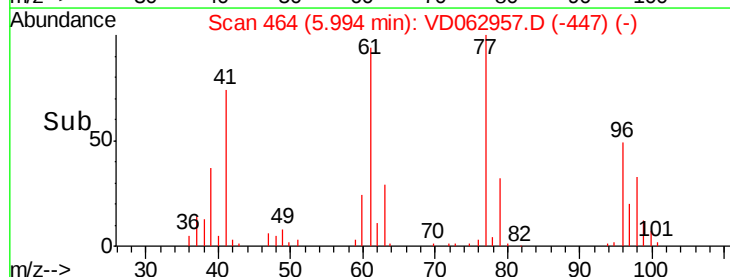
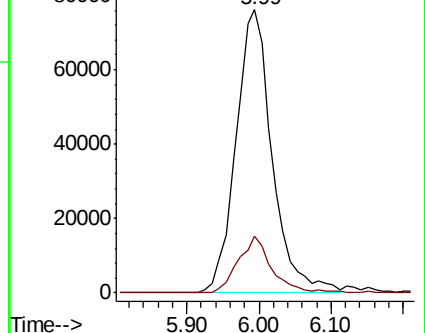
77 100

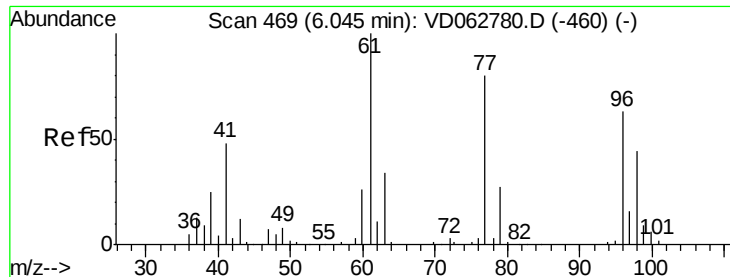
97 20.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



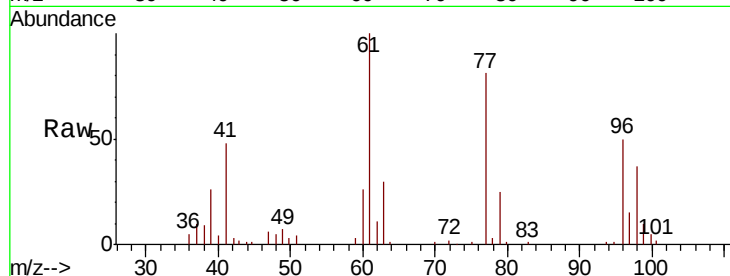


#27

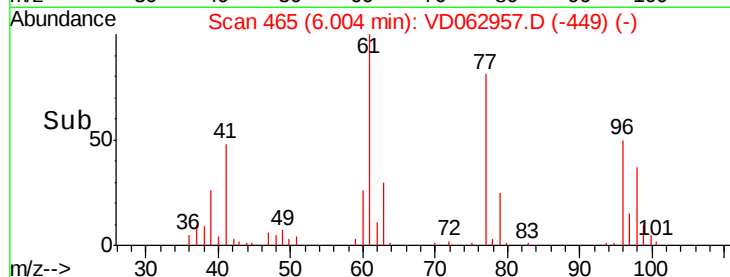
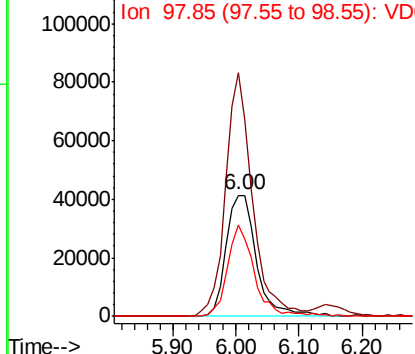
cis-1,2-Dichloroethene
Concen: 18.818 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 96 Resp: 137943
Ion Ratio Lower Upper
96 100
61 200.7 0.0 316.0
98 74.9 0.0 138.4



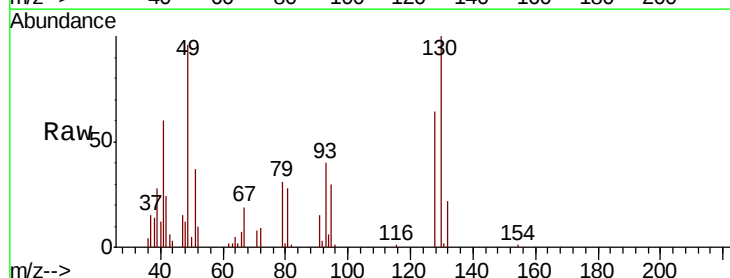
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



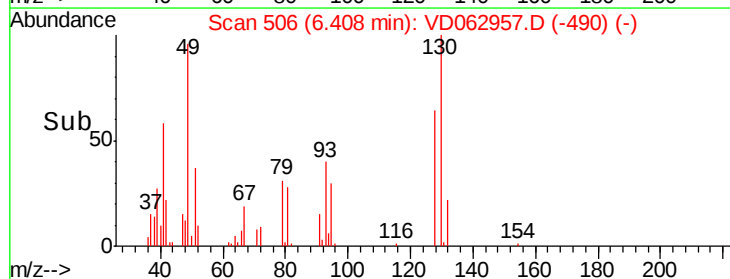
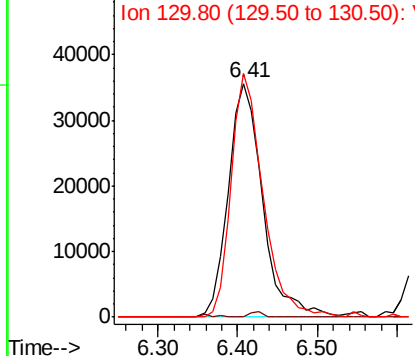
#28

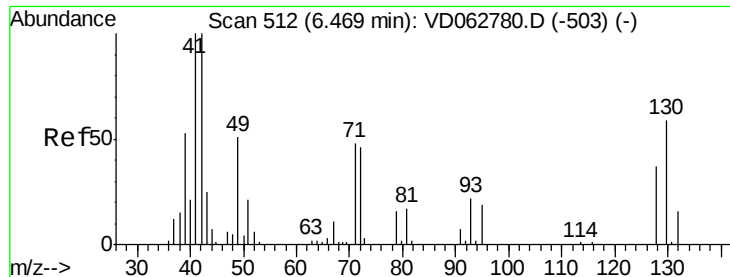
Bromochloromethane
Concen: 23.862 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 49 Resp: 107040
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 104.3 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 96.034 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

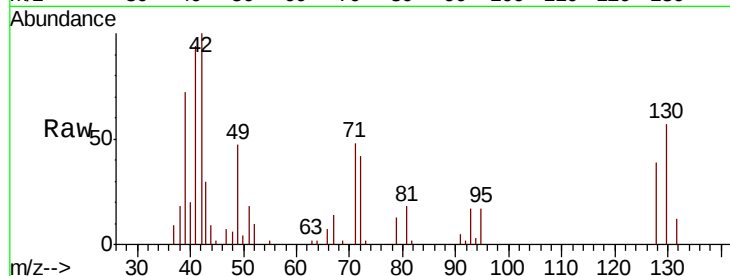
Tot Ion: 42 Resp: 75773

Ion Ratio Lower Upper

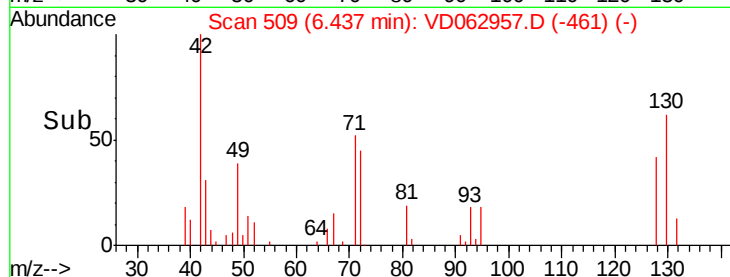
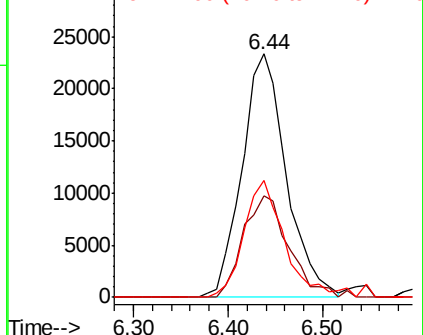
42 100

72 43.2 35.0 52.6

71 43.8 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: 18.948 ug/l

RT: 6.63 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062957.D

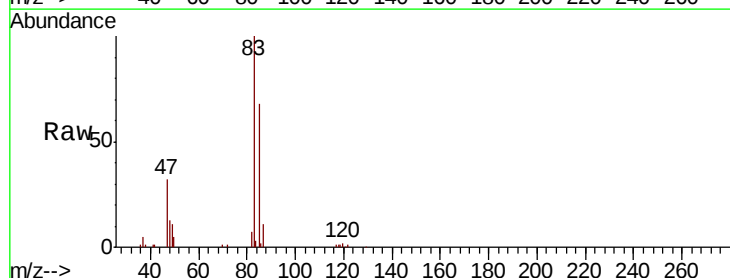
Acq: 28 Jun 2019 11:05

Tgt Ion: 83 Resp: 293501

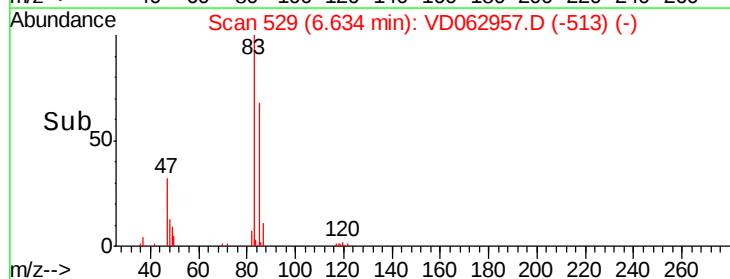
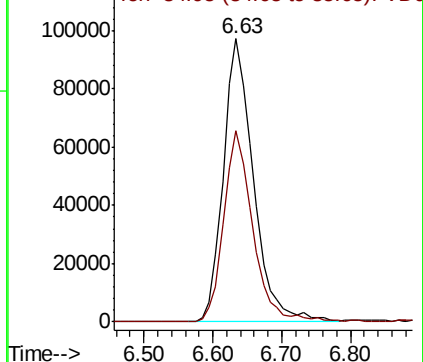
Ion Ratio Lower Upper

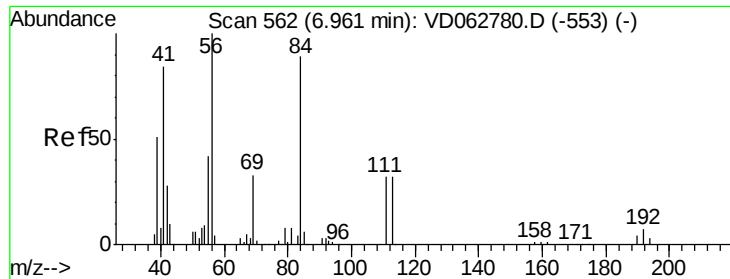
83 100

85 67.6 49.8 74.6



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

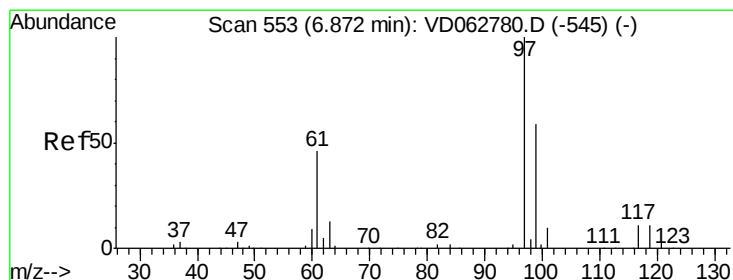
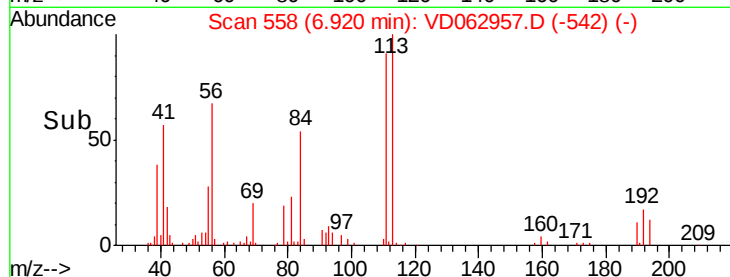
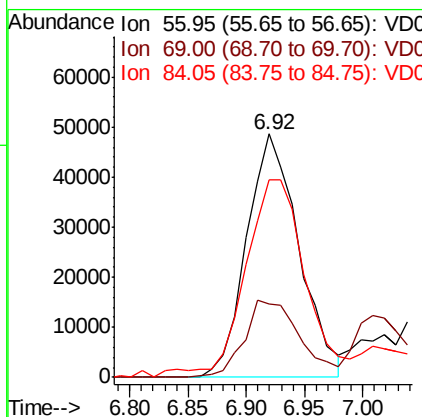
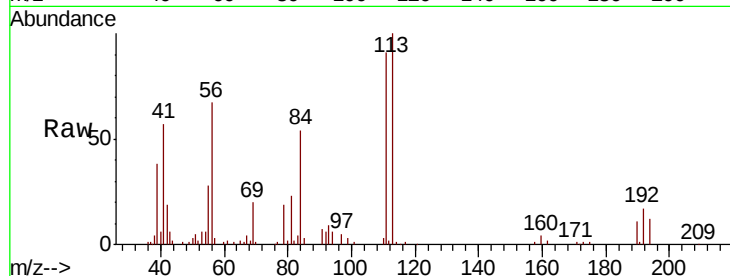




#31
Cyclohexane
Concen: 18.052 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.04 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

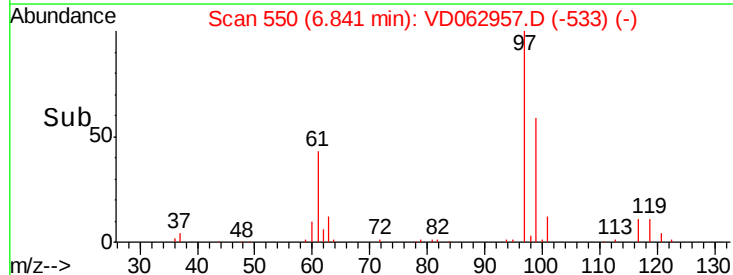
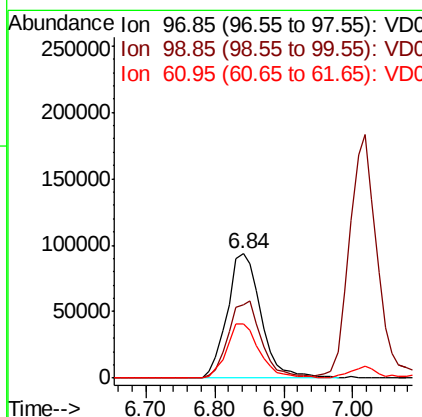
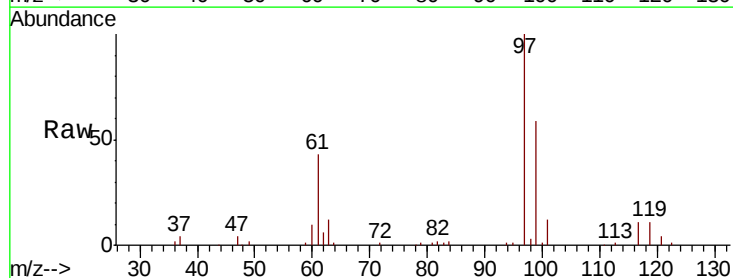
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

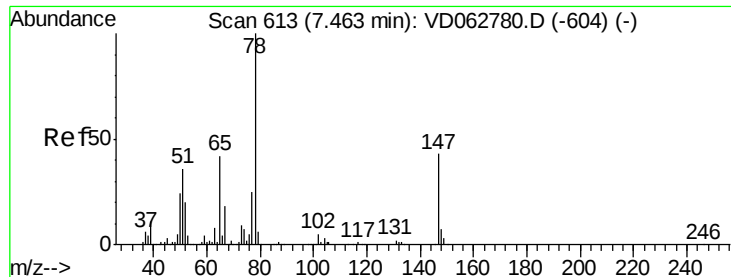
Tot Ion: 56 Resp: 151149
Ion Ratio Lower Upper
56 100
69 30.3 26.6 39.8
84 80.9 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 19.751 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 97 Resp: 318661
Ion Ratio Lower Upper
97 100
99 58.7 47.4 71.2
61 43.3 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 48.872 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

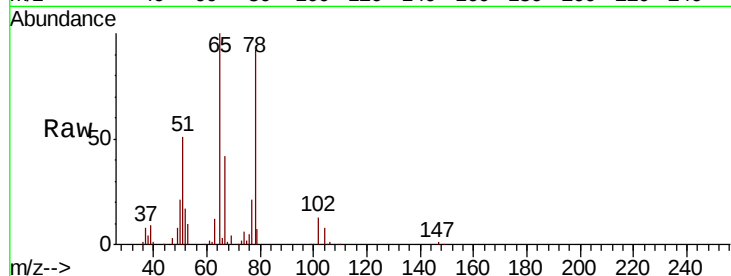
VD0628SBS01

Tot Ion: 65 Resp: 435759

Ion Ratio Lower Upper

65 100

67 42.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

150000

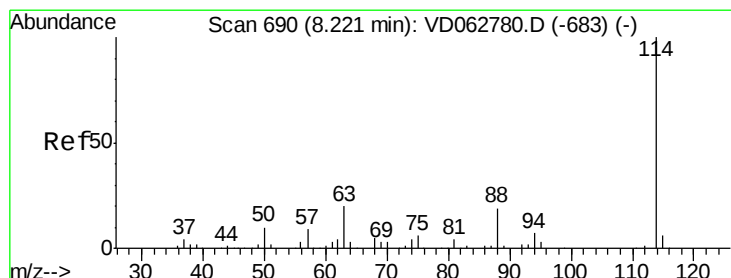
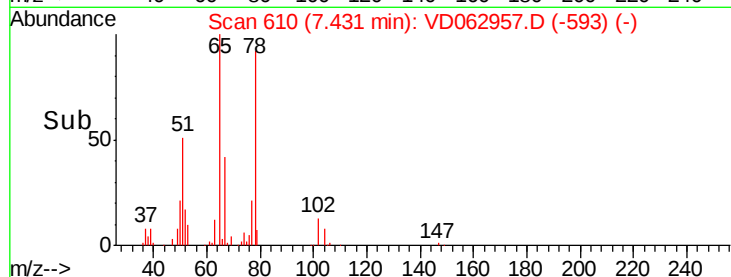
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

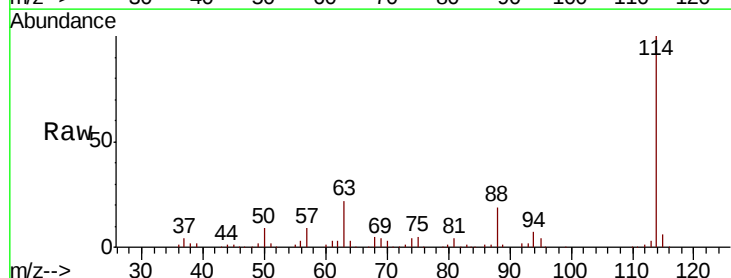
Tgt Ion: 114 Resp: 1150528

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 19.2 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

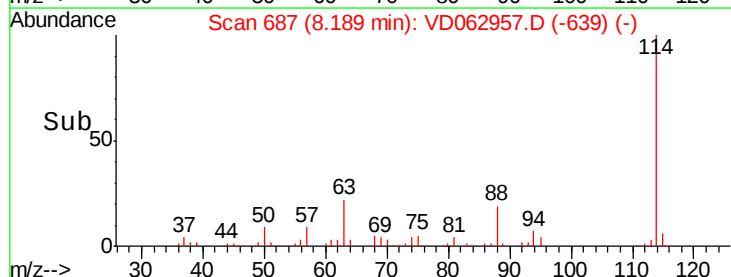
200000

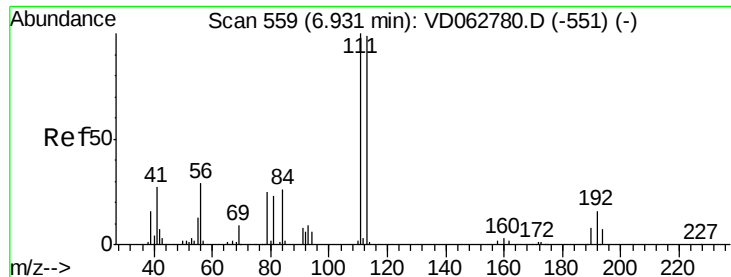
100000

0

Time-->

8.00 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 47.296 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

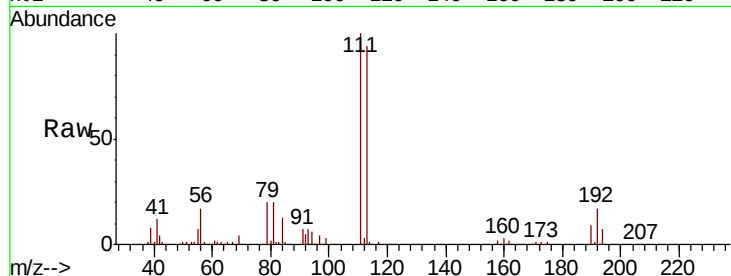
Tot Ion:113 Resp: 458833

Ion Ratio Lower Upper

113 100

111 106.6 81.2 121.8

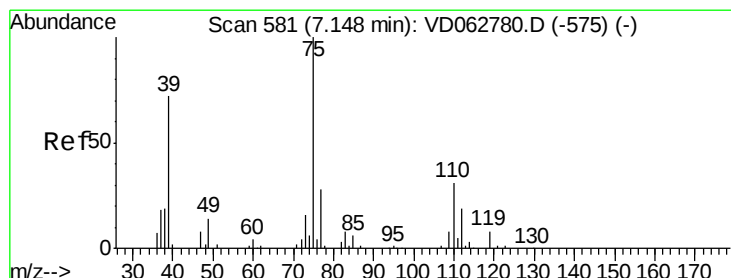
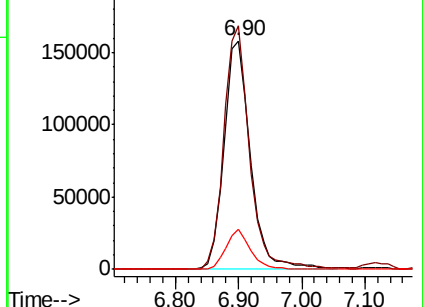
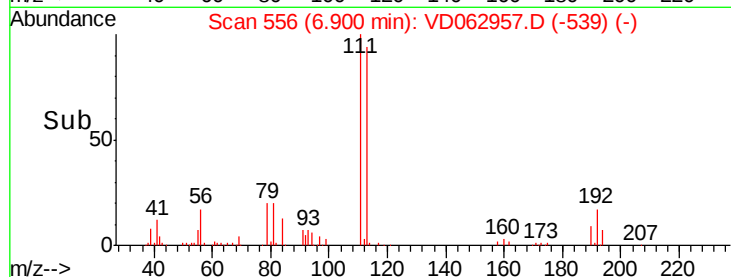
192 17.7 12.9 19.3



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: 18.741 ug/l

RT: 7.12 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

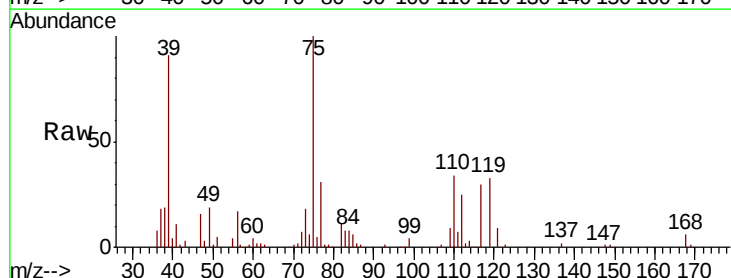
Tgt Ion: 75 Resp: 204110

Ion Ratio Lower Upper

75 100

110 34.1 15.0 45.1

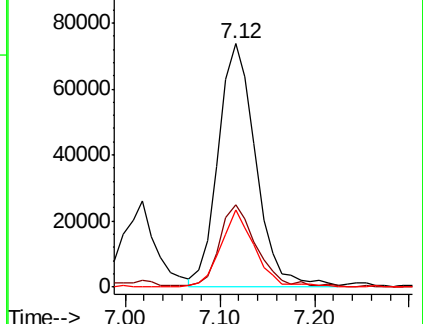
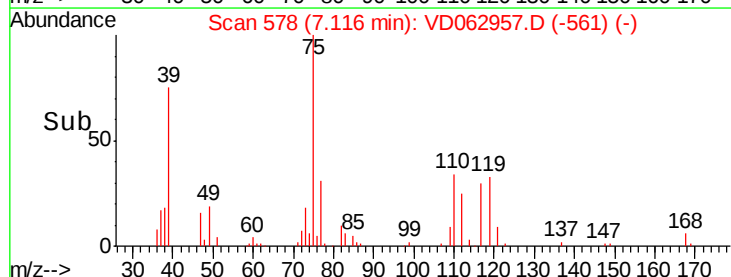
77 31.5 22.2 33.2

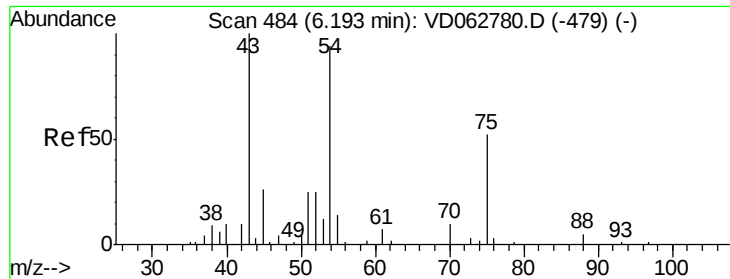


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

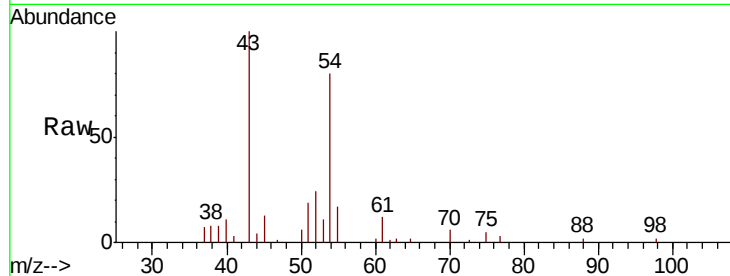




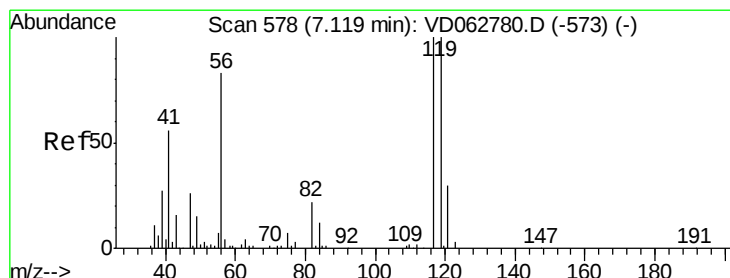
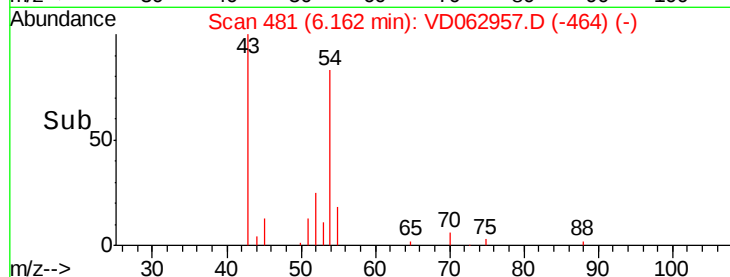
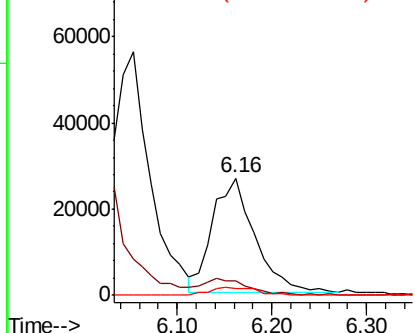
#37
Ethyl Acetate
Concen: 17.046 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 43 Resp: 81310
Ion Ratio Lower Upper
43 100
61 11.9 11.6 17.4
70 5.6 6.4 9.6#

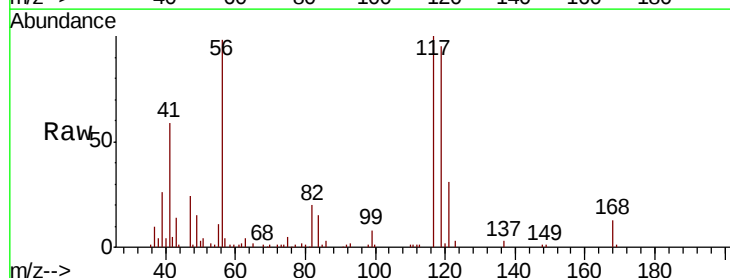


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

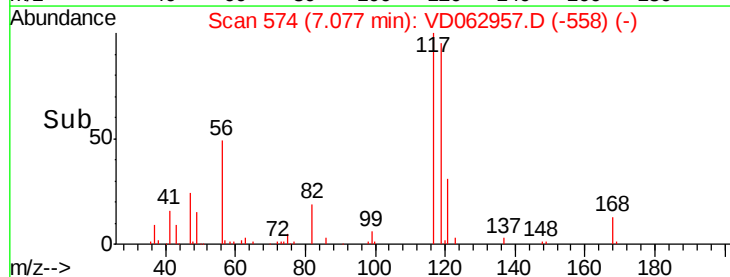
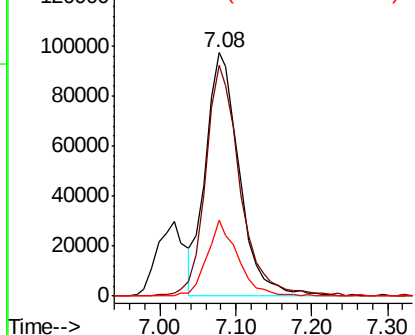


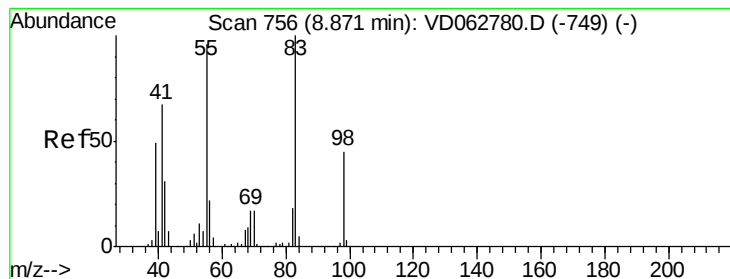
#38
Carbon Tetrachloride
Concen: 18.334 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 117 Resp: 300307
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.2
121 31.4 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

Methylvlcyclohexane

Concen: 19.115 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

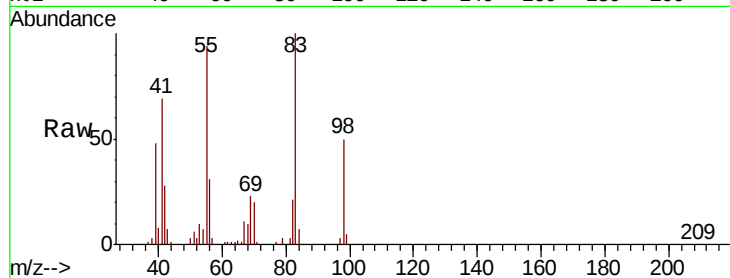
Tot Ion: 83 Resp: 183258

Ion Ratio Lower Upper

83 100

55 94.0 76.6 115.0

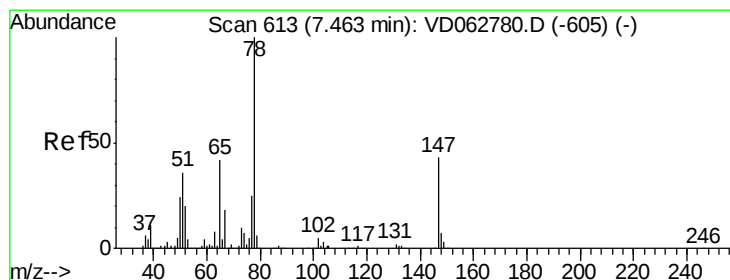
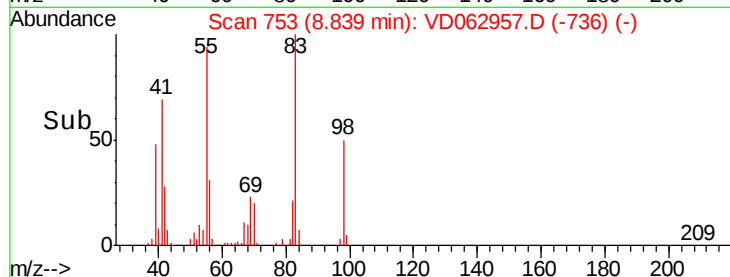
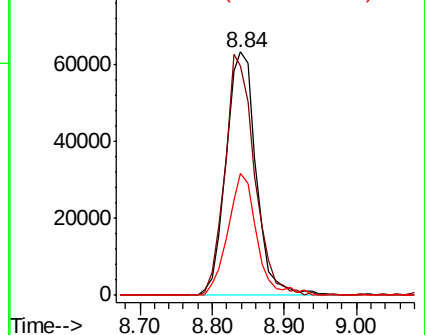
98 50.3 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 18.694 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062957.D

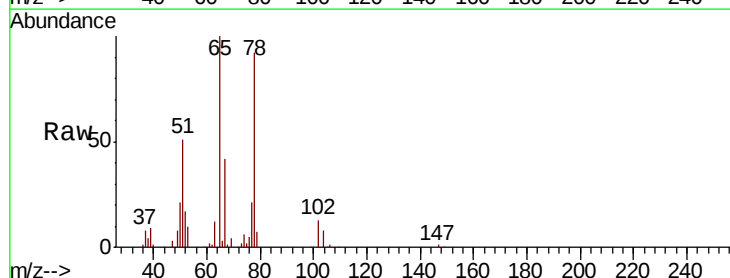
Acq: 28 Jun 2019 11:05

Tgt Ion: 78 Resp: 408687

Ion Ratio Lower Upper

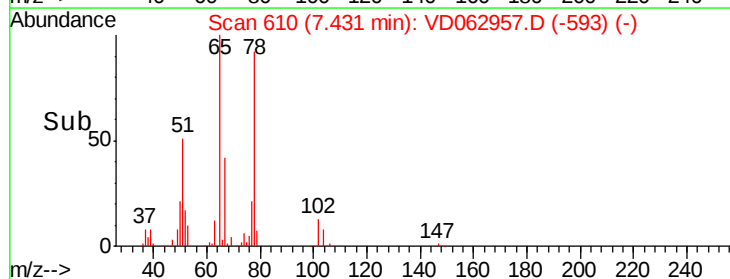
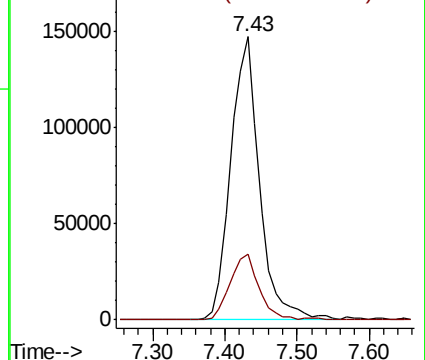
78 100

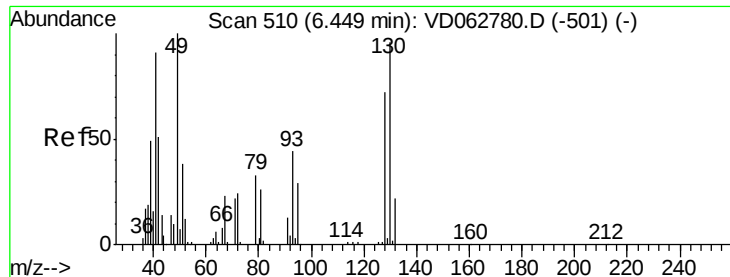
77 23.1 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

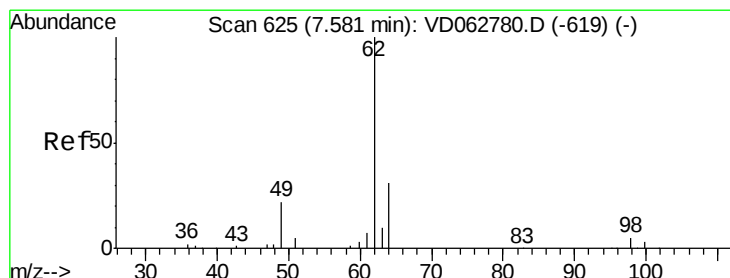
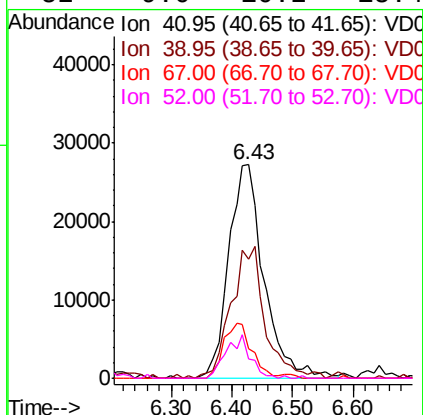
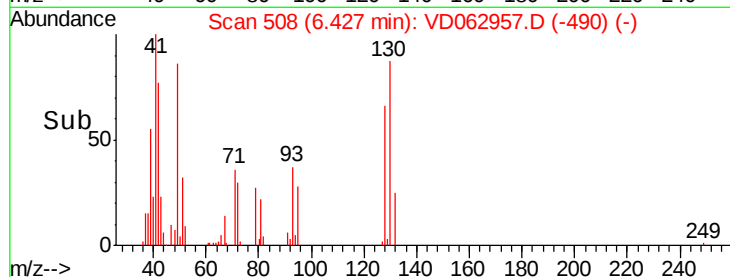
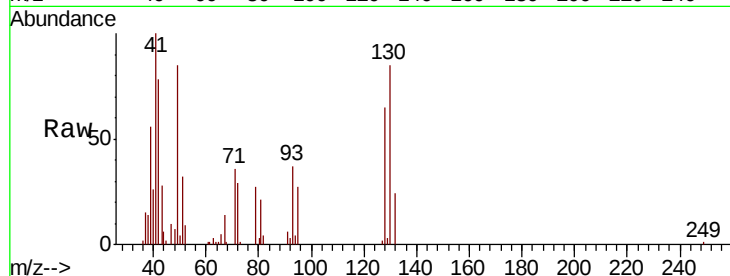




#41
Methacrylonitrile
Concen: 19.078 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

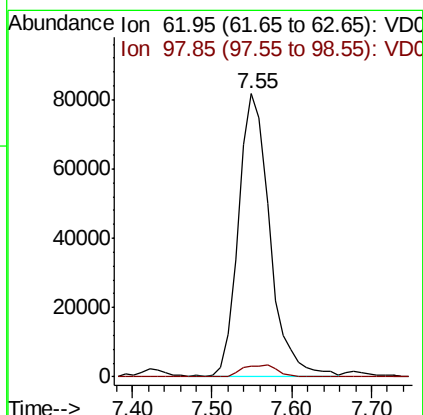
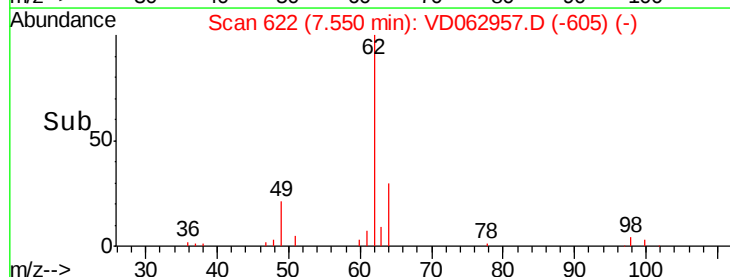
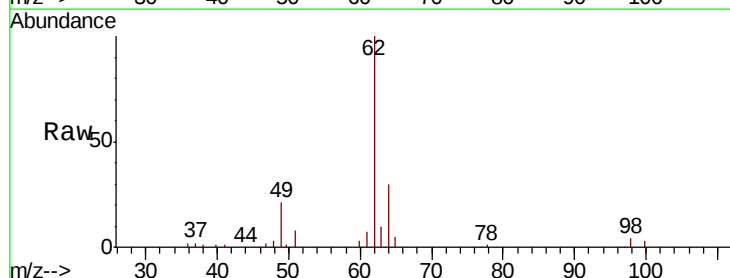
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 41 Resp: 109580
Ion Ratio Lower Upper
41 100
39 55.6 43.2 64.8
67 14.1 19.9 29.9#
52 9.0 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 18.723 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 62 Resp: 223303
Ion Ratio Lower Upper
62 100
98 3.8 0.0 10.0





#43

Isopropyl Acetate

Concen: 19.437 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

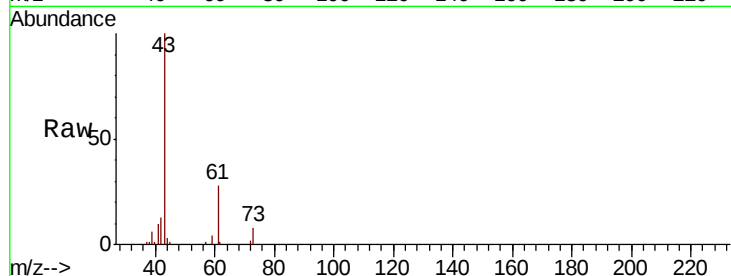
Tot Ion: 43 Resp: 110983

Ion Ratio Lower Upper

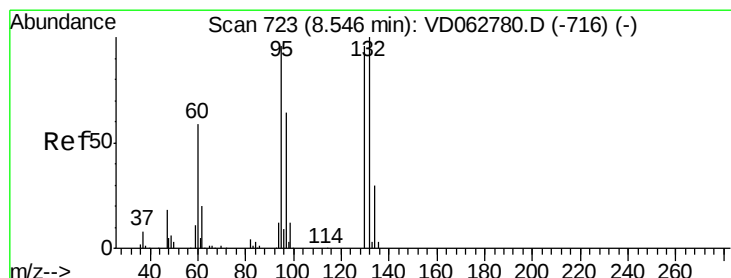
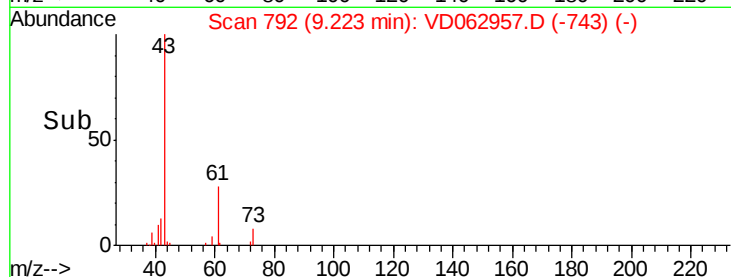
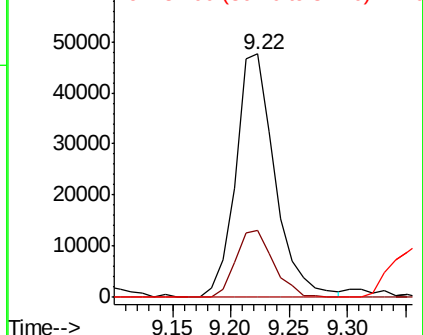
43 100

61 27.7 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: 17.958 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.03 min

Lab File: VD062957.D

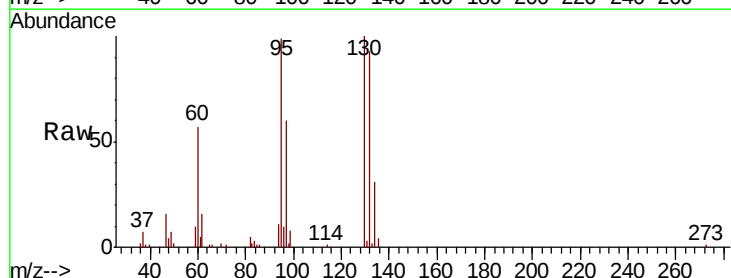
Acq: 28 Jun 2019 11:05

Tgt Ion: 130 Resp: 153914

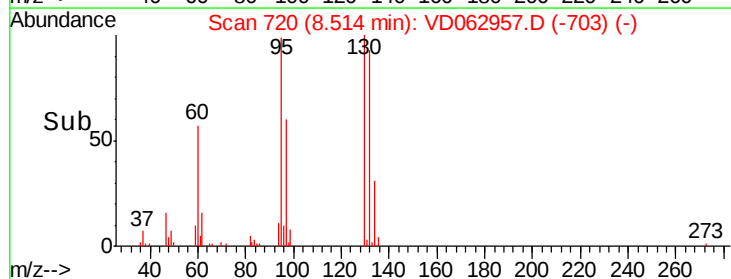
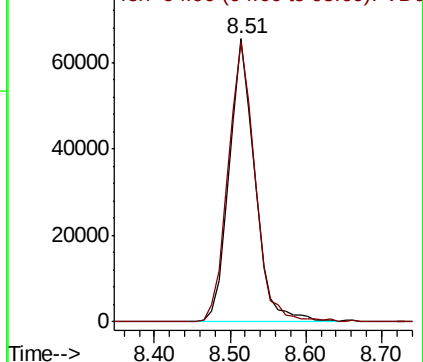
Ion Ratio Lower Upper

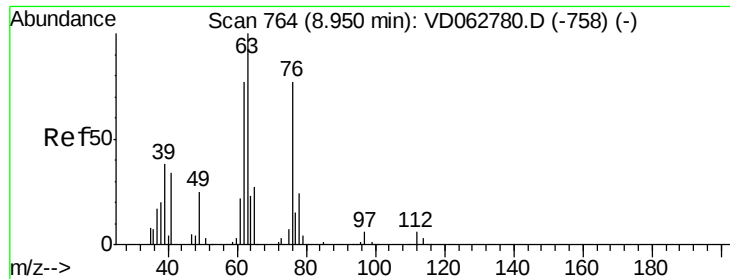
130 100

95 98.7 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: 17.417 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

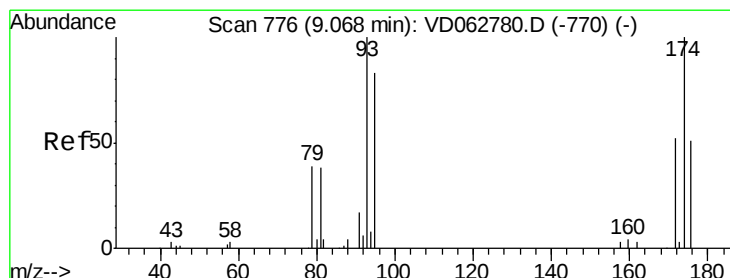
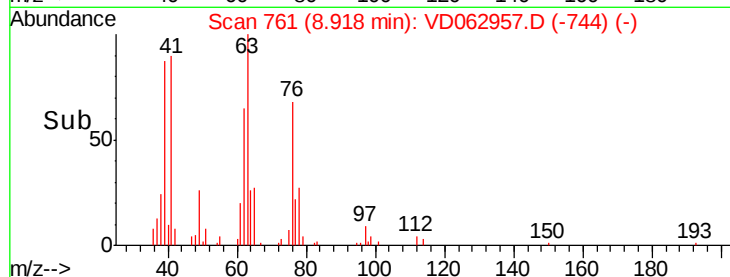
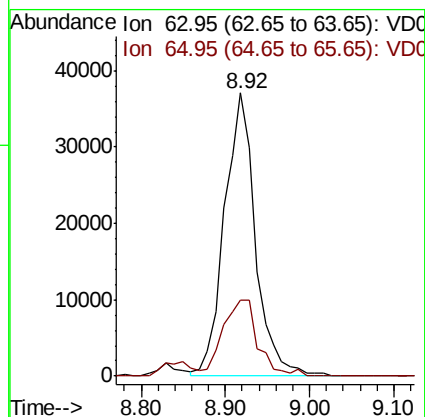
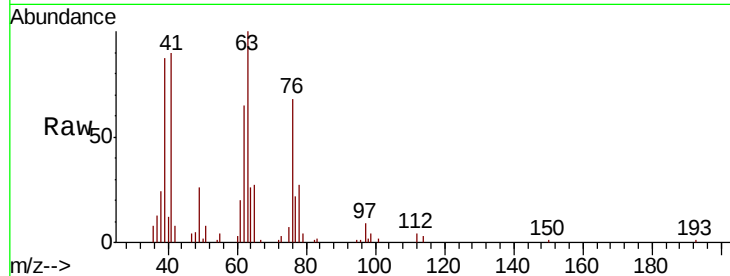
VD0628SBS01

Tot Ion: 63 Resp: 94683

Ion Ratio Lower Upper

63 100

65 27.0 24.2 36.2



#46

Dibromomethane

Concen: 18.291 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

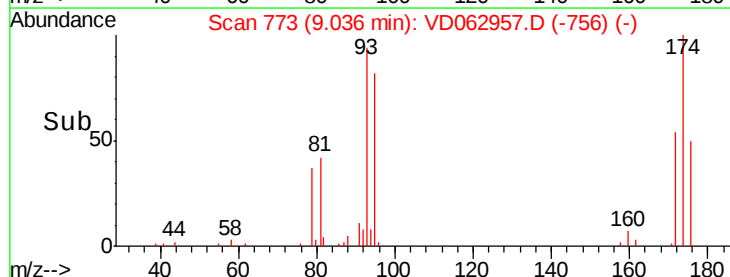
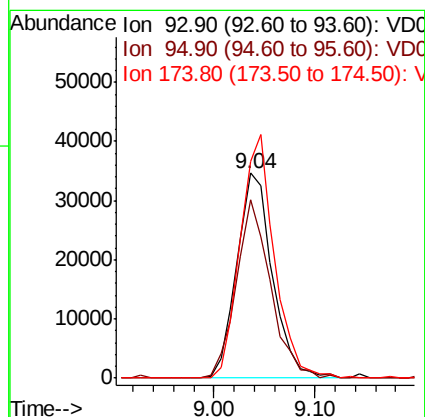
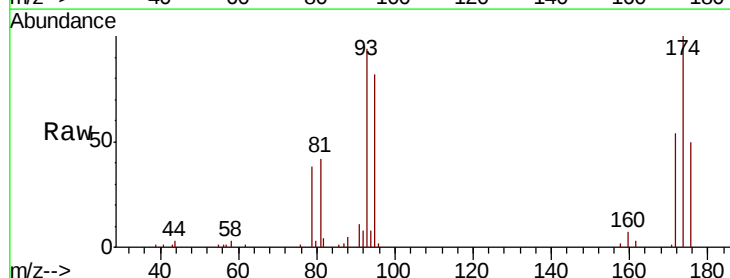
Tgt Ion: 93 Resp: 85413

Ion Ratio Lower Upper

93 100

95 87.2 66.6 100.0

174 106.0 79.7 119.5





#47

Bromodichloromethane

Concen: 19.065 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

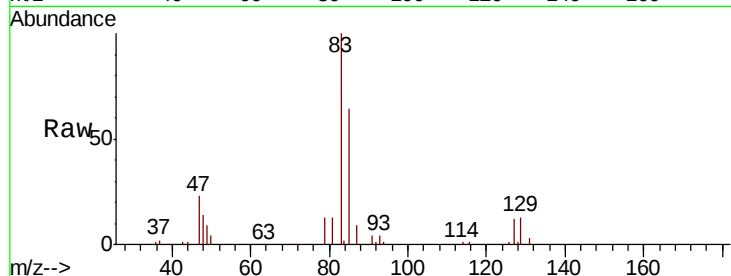
Tot Ion: 83 Resp: 231218

Ion Ratio Lower Upper

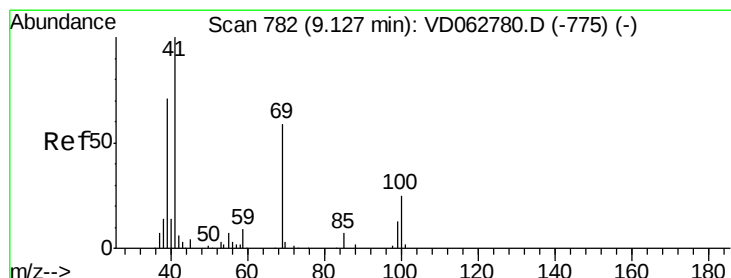
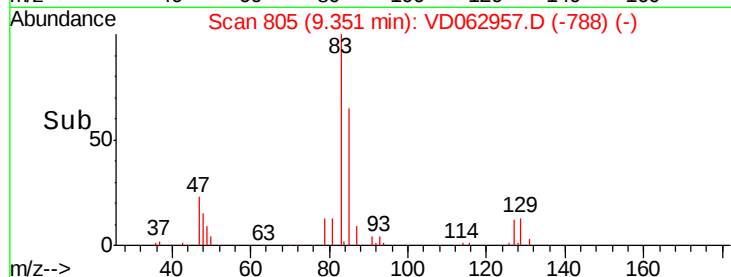
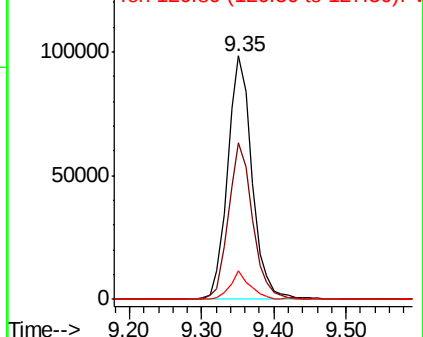
83 100

85 64.3 51.6 77.4

127 11.8 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: 19.318 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

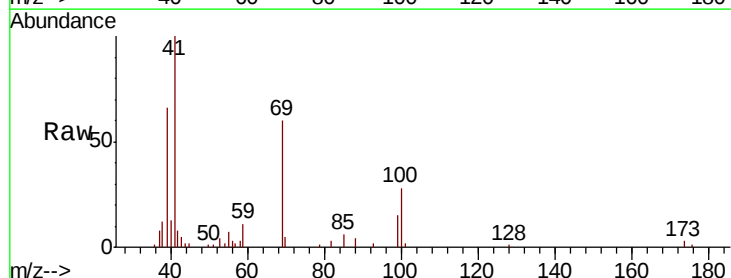
Tgt Ion: 41 Resp: 78387

Ion Ratio Lower Upper

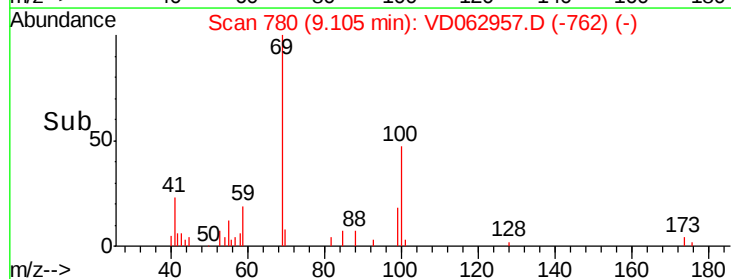
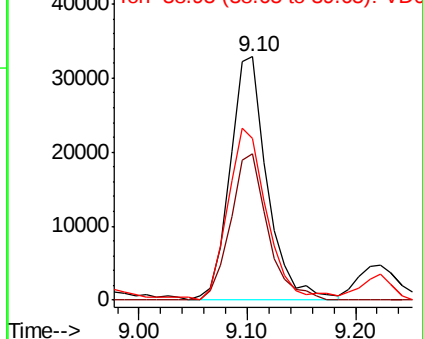
41 100

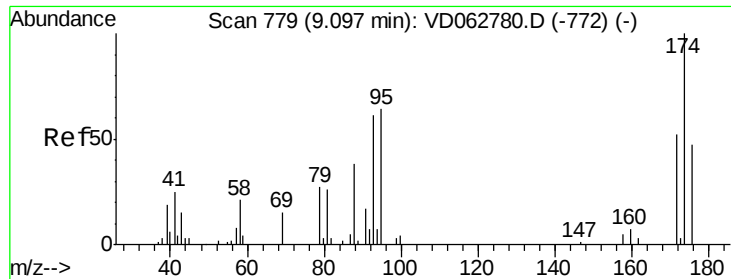
69 60.0 47.2 70.8

39 66.4 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

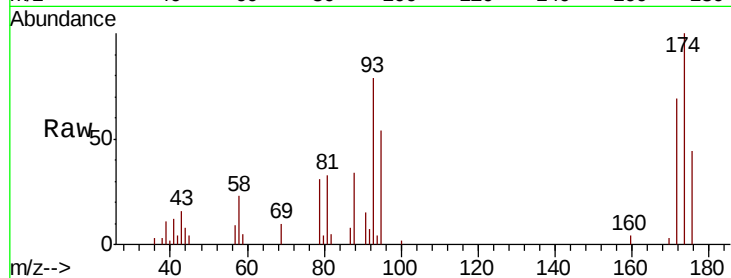




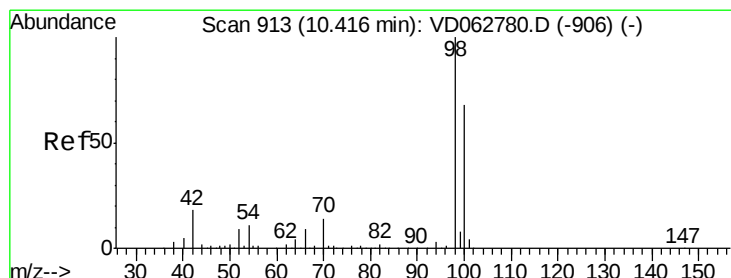
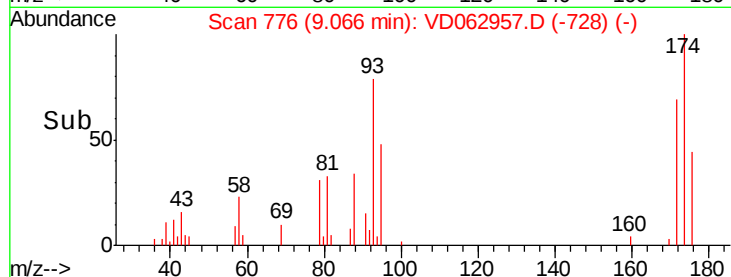
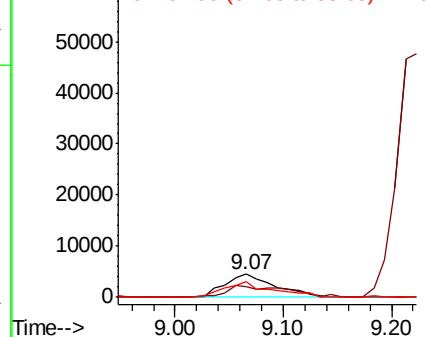
#49
1,4-Dioxane
Concen: 425.492 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion: 88 Resp: 14364
Ion Ratio Lower Upper
88 100
43 45.7 32.1 48.1
58 65.9 44.1 66.1

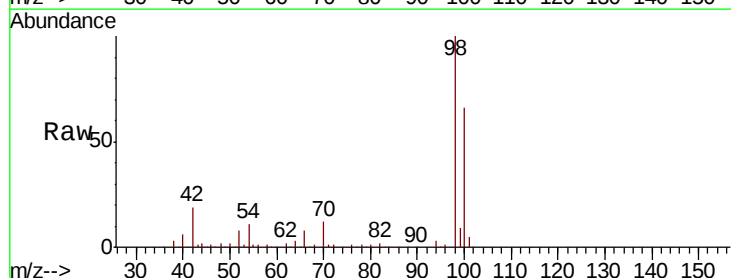


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

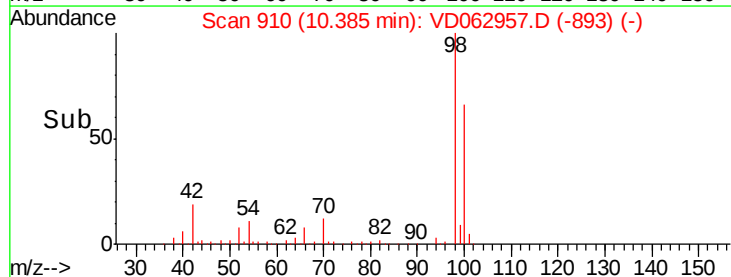
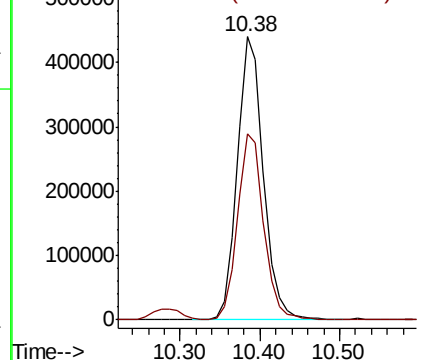


#50
Toluene-d8
Concen: 47.377 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 98 Resp: 1000323
Ion Ratio Lower Upper
98 100
100 65.8 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 97.878 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

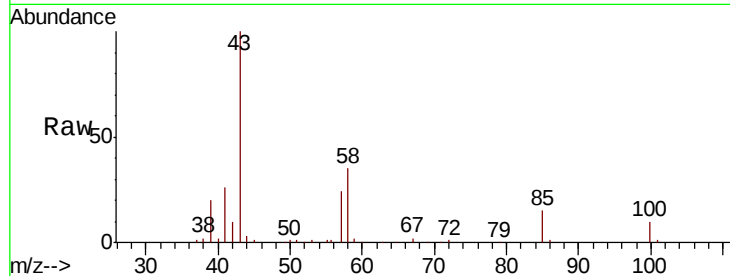
VD0628SBS01

Tot Ion: 43 Resp: 396243

Ion Ratio Lower Upper

43 100

58 34.8 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

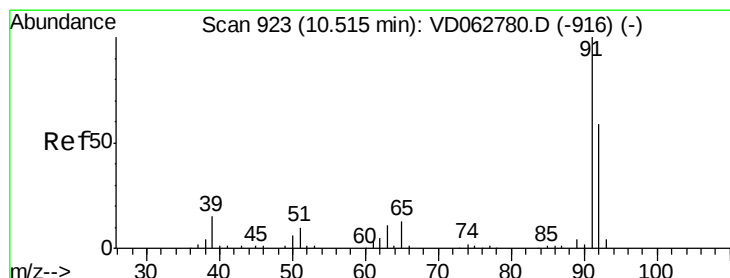
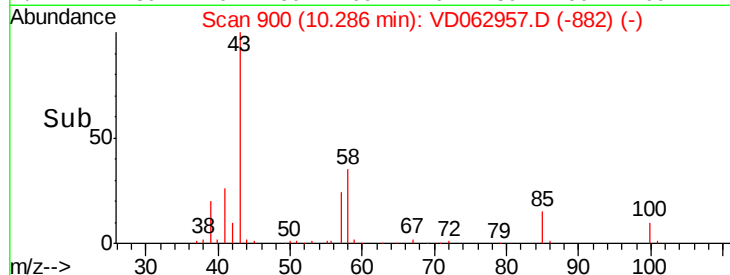
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.688 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062957.D

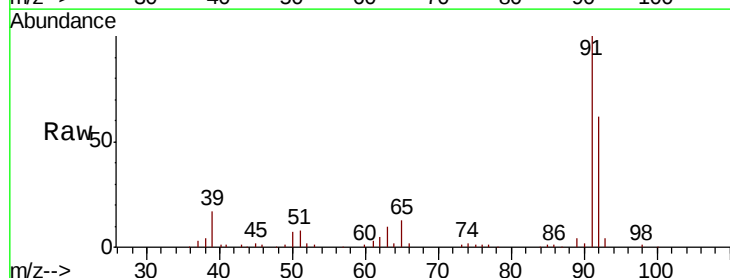
Acq: 28 Jun 2019 11:05

Tgt Ion: 92 Resp: 274641

Ion Ratio Lower Upper

92 100

91 161.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

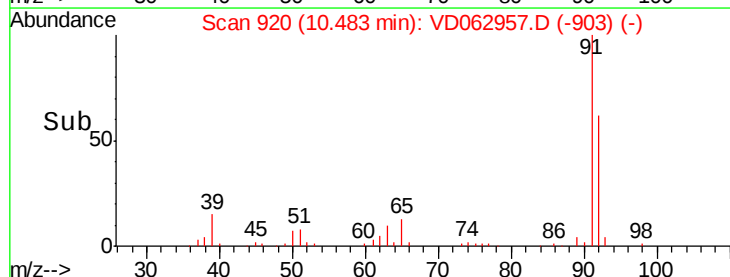
150000

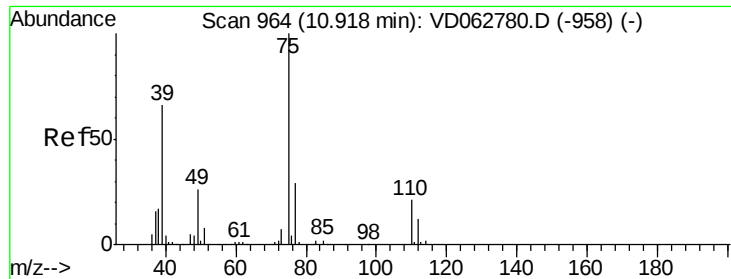
100000

50000

0

Time-->

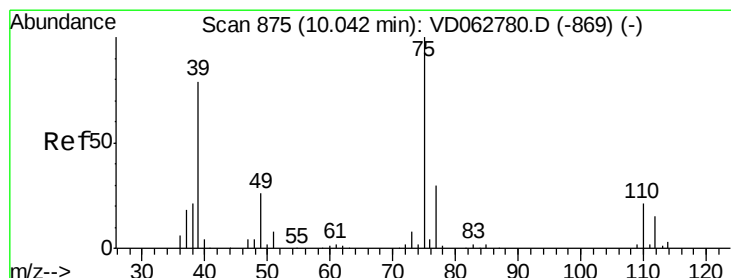
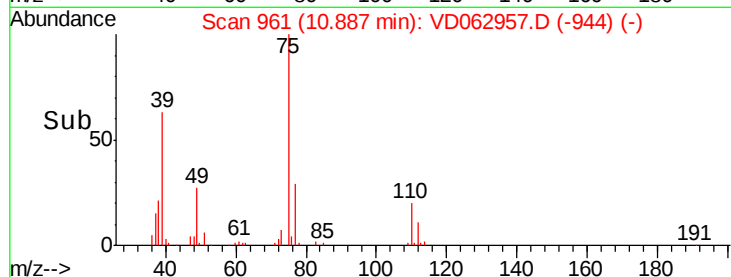
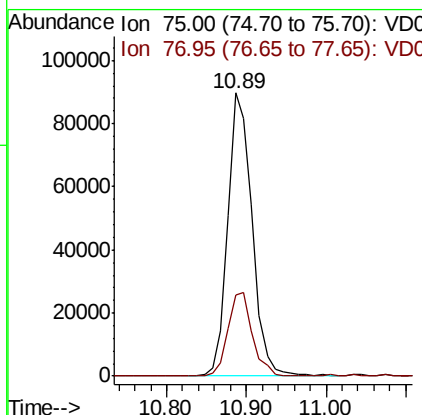
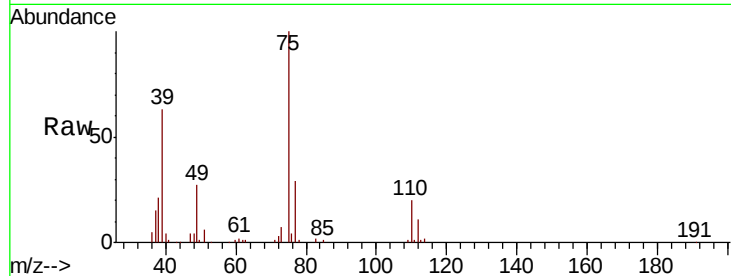




#53
 t-1,3-Dichloropropene
 Concen: 19.411 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

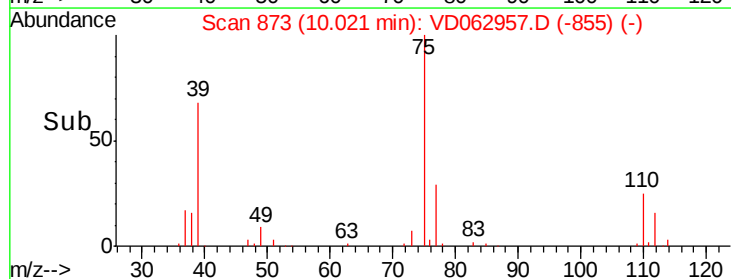
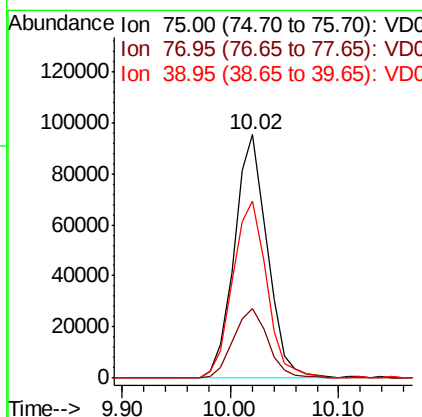
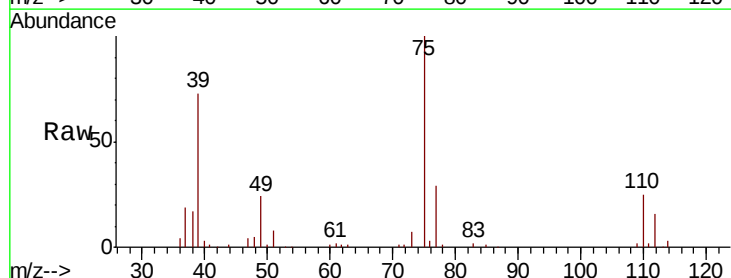
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

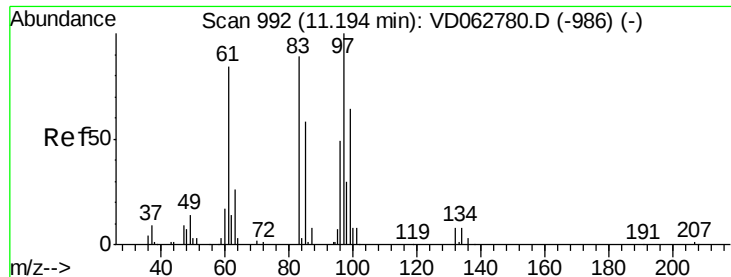
Tot Ion: 75 Resp: 192685
 Ion Ratio Lower Upper
 75 100
 77 28.6 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.728 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 75 Resp: 202061
 Ion Ratio Lower Upper
 75 100
 77 28.7 24.2 36.2
 39 72.6 63.5 95.3

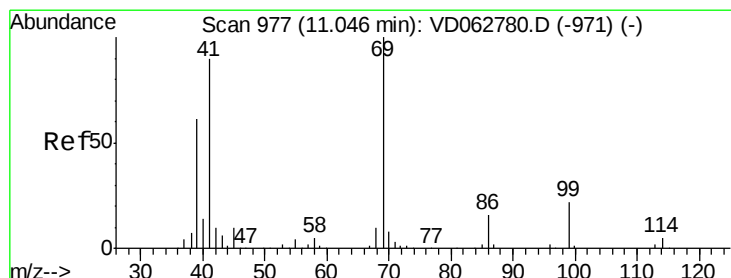
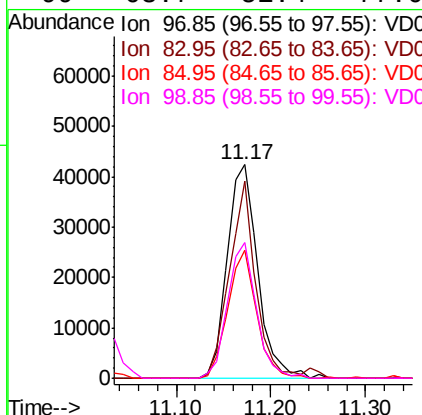
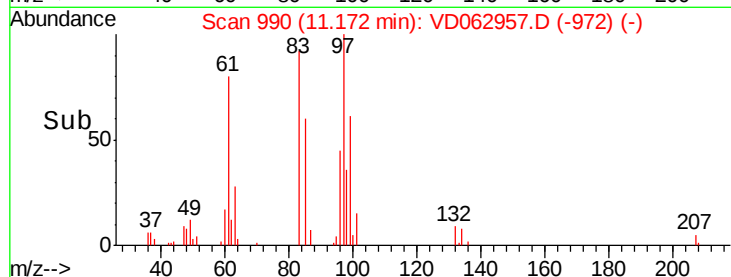
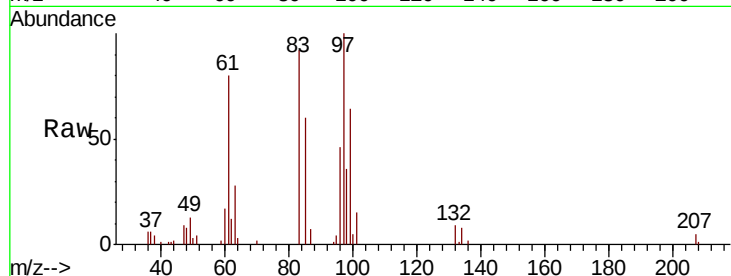




#55
 1,1,2-Trichloroethane
 Concen: 18.748 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

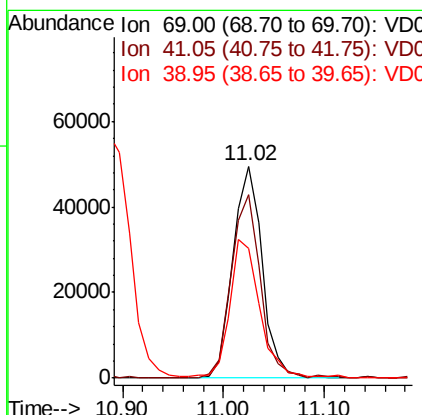
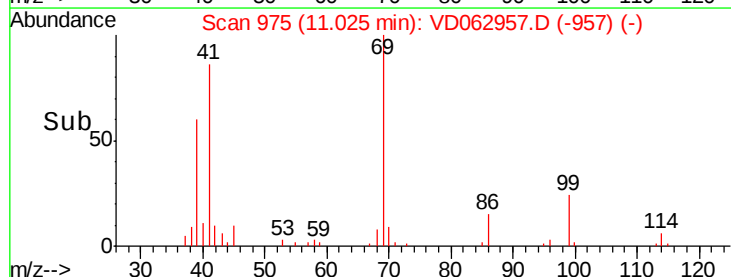
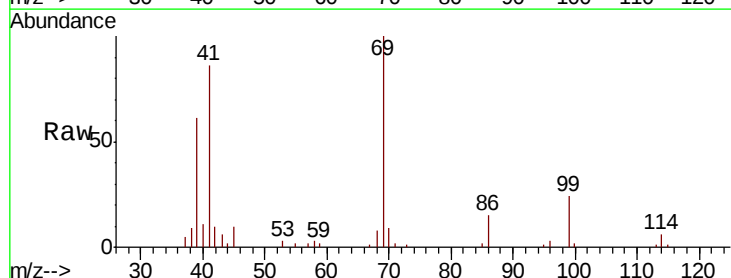
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

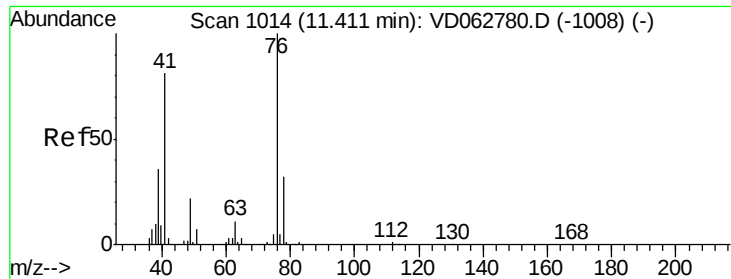
Tot Ion: 97 Resp: 94658
 Ion Ratio Lower Upper
 97 100
 83 92.5 71.0 106.4
 85 60.2 46.6 69.8
 99 63.7 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 18.489 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 69 Resp: 99761
 Ion Ratio Lower Upper
 69 100
 41 86.4 72.0 108.0
 39 61.0 49.5 74.3

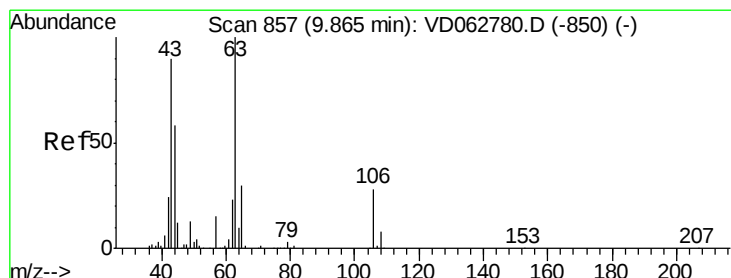
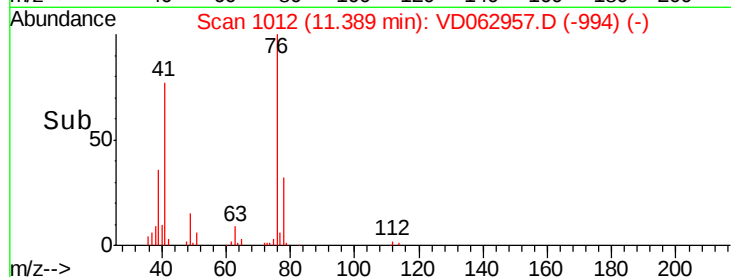
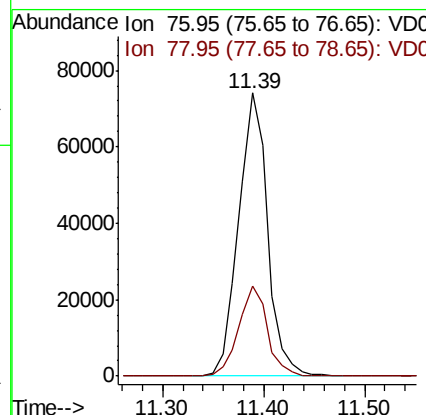
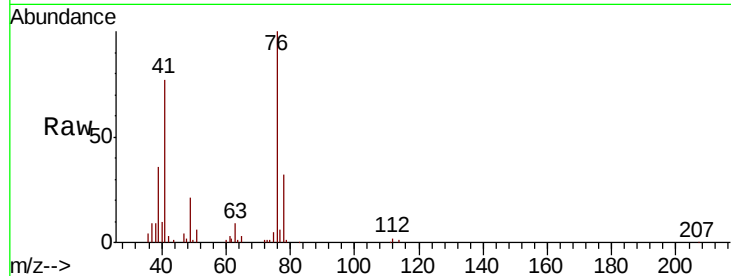




#57
 1,3-Dichloropropane
 Concen: 19.079 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

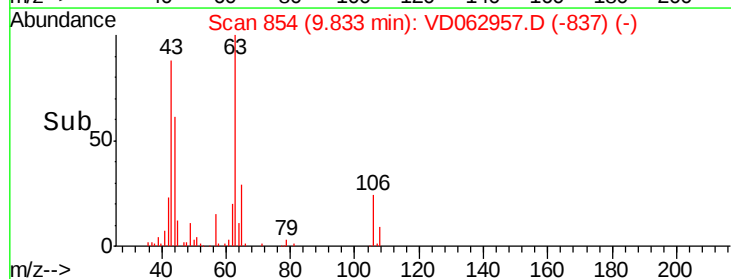
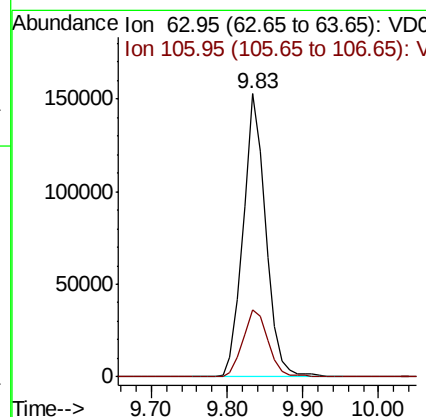
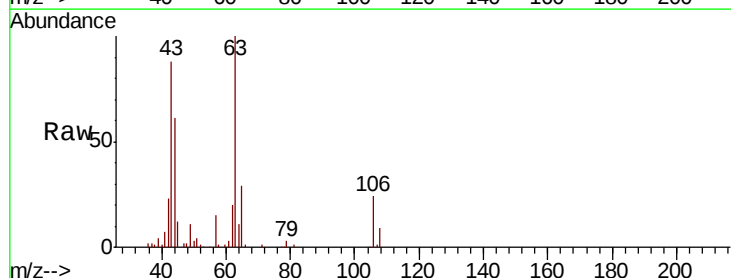
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

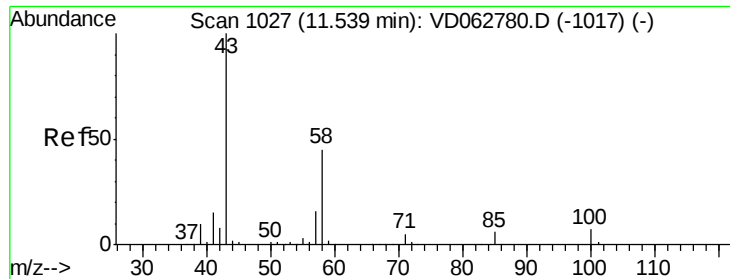
Tot Ion: 76 Resp: 147493
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.345 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 63 Resp: 313978
 Ion Ratio Lower Upper
 63 100
 106 23.6 22.1 33.1

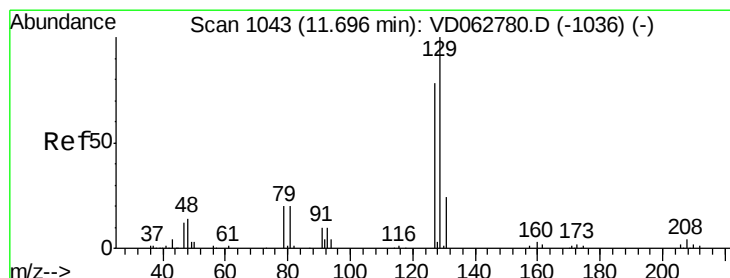
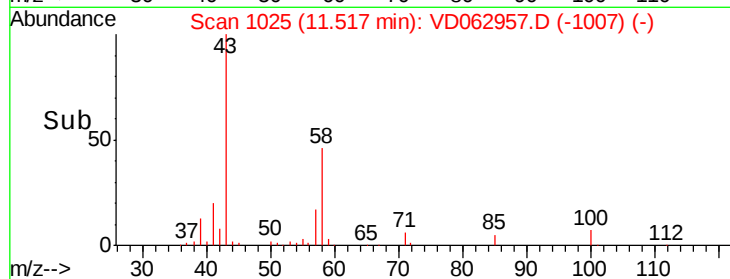
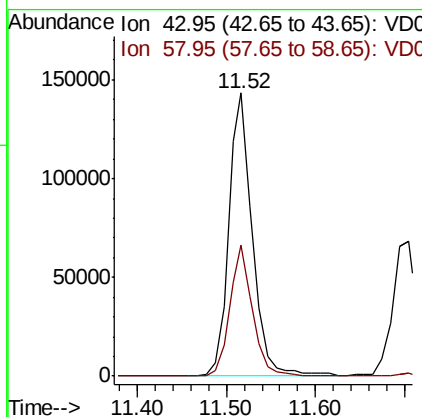
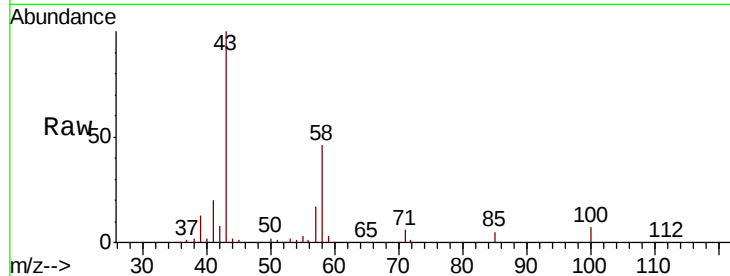




#59
2-Hexanone
Concen: 92.473 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

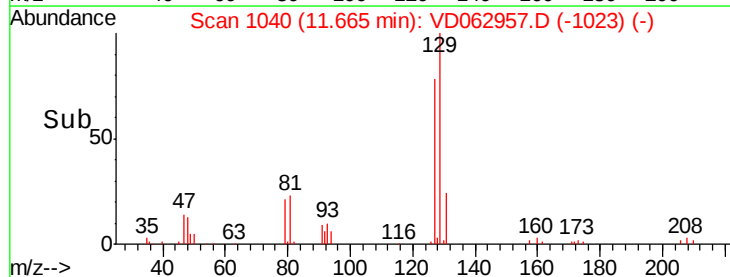
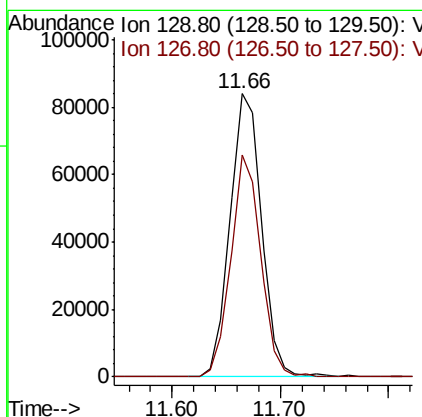
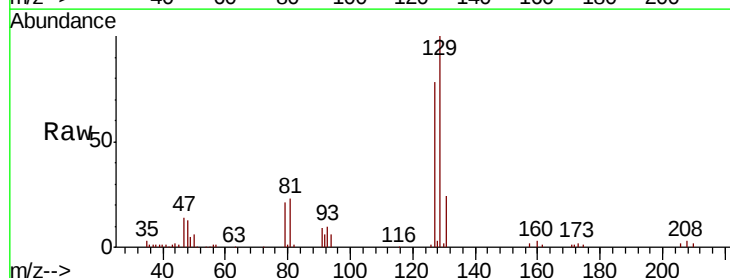
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

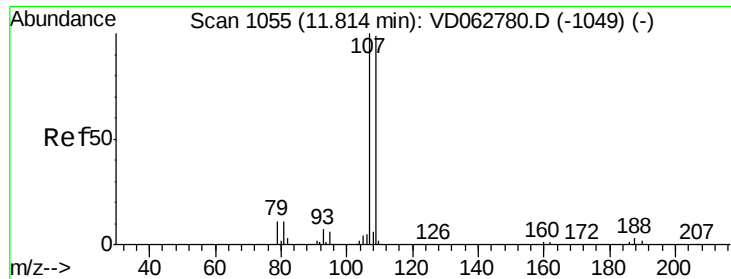
Tot Ion: 43 Resp: 266618
Ion Ratio Lower Upper
43 100
58 46.2 22.4 67.2



#60
Dibromochloromethane
Concen: 18.118 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 129 Resp: 170387
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

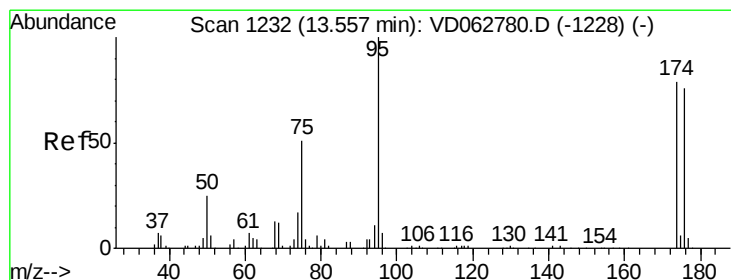
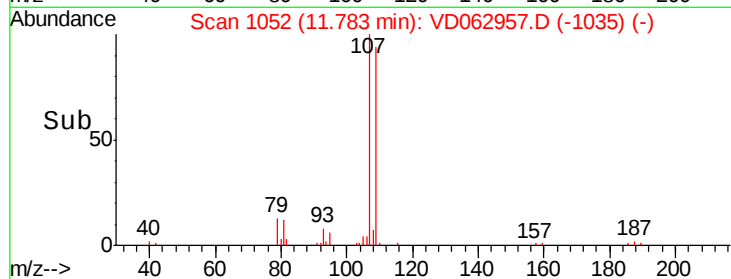
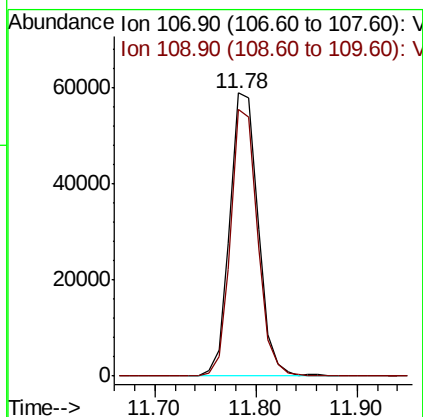
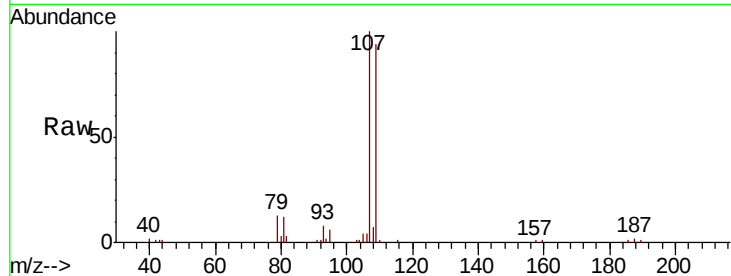




#61
 1,2-Dibromoethane
 Concen: 19.217 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

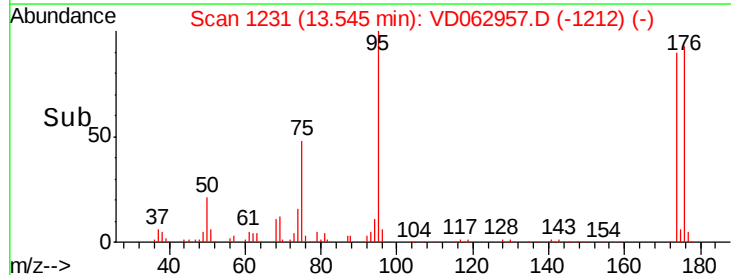
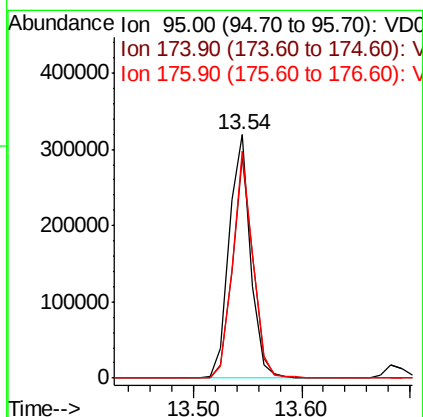
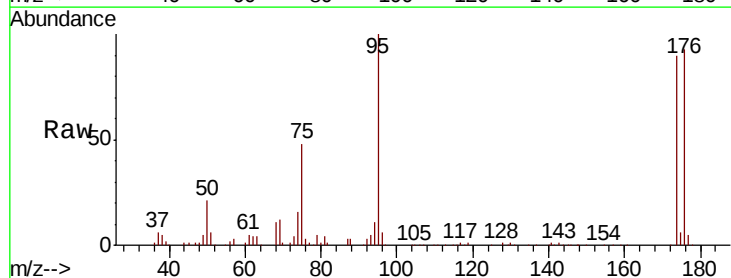
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

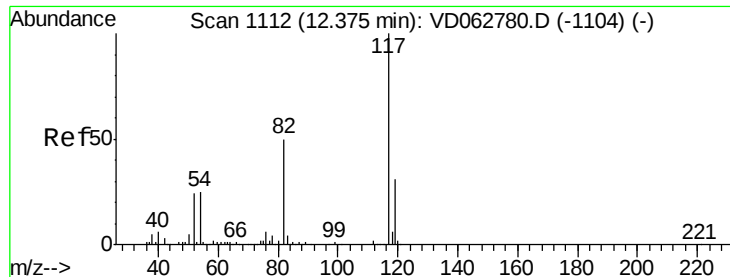
Tot Ion:107 Resp: 114594
 Ion Ratio Lower Upper
 107 100
 109 94.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 45.696 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 95 Resp: 438719
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 158.0
 176 93.3 0.0 151.6

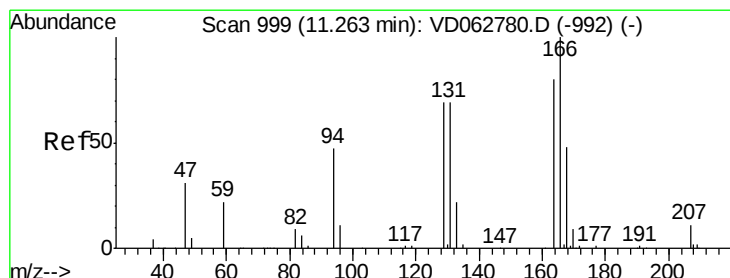
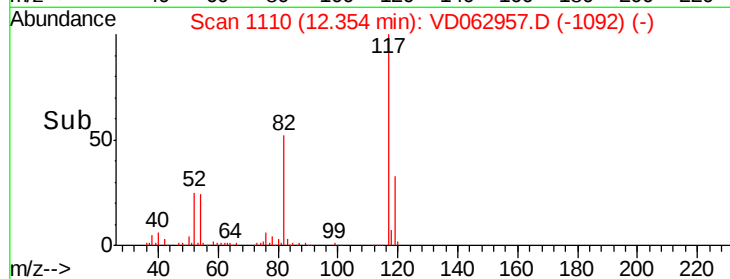
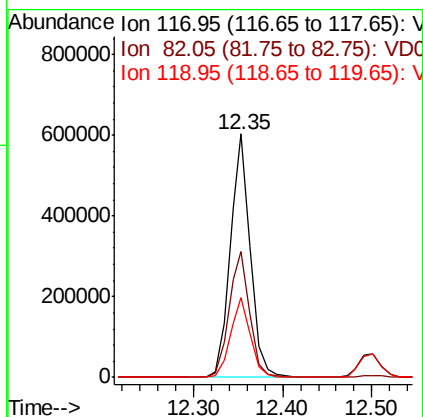
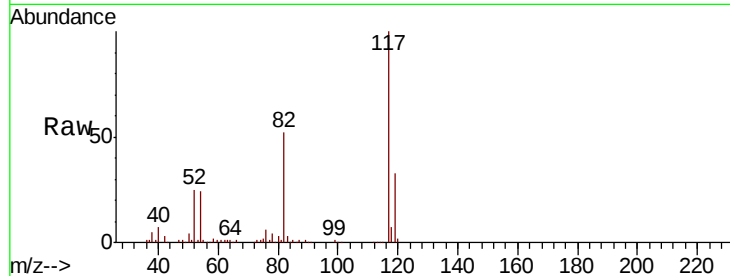




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

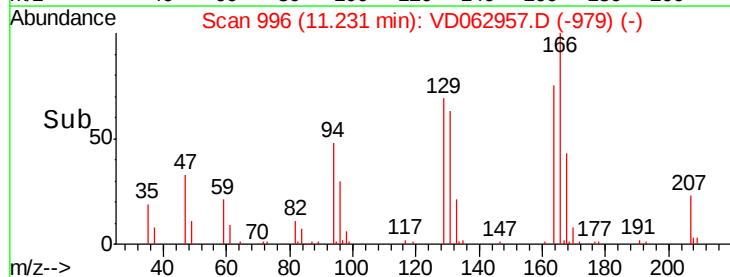
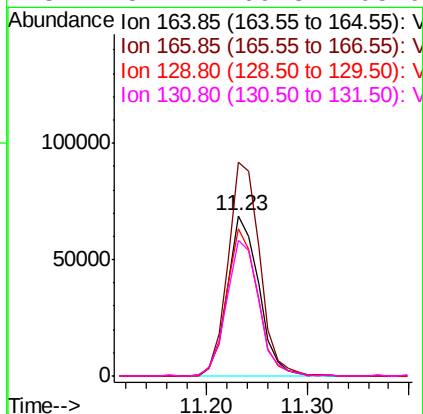
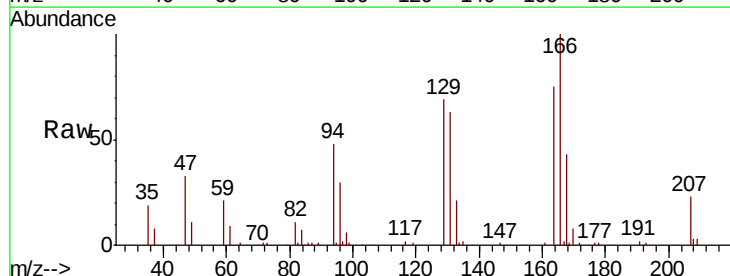
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

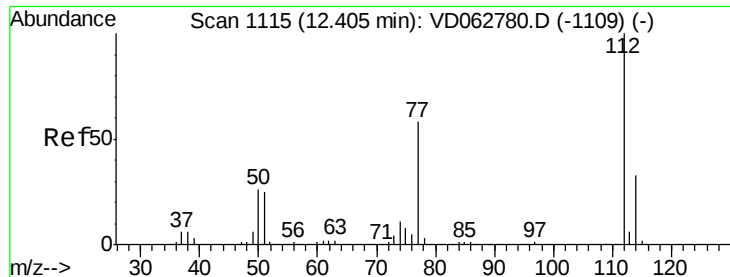
Tot Ion:117 Resp: 953305
Ion Ratio Lower Upper
117 100
82 51.9 40.4 60.6
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 18.971 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion:164 Resp: 148842
Ion Ratio Lower Upper
164 100
166 133.0 100.6 150.8
129 91.3 69.4 104.0
131 84.4 69.3 103.9

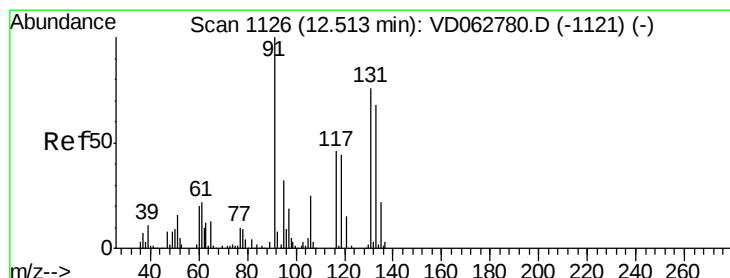
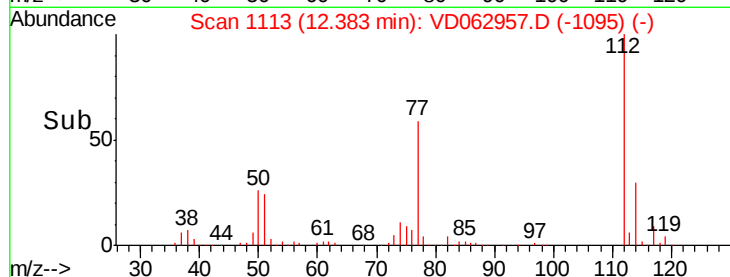
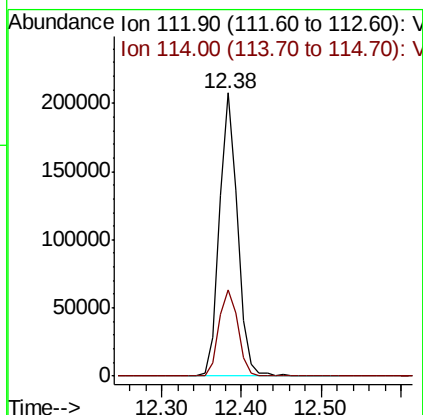
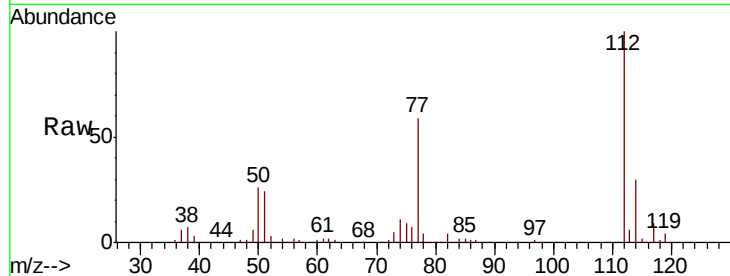




#65
Chlorobenzene
Concen: 18.864 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

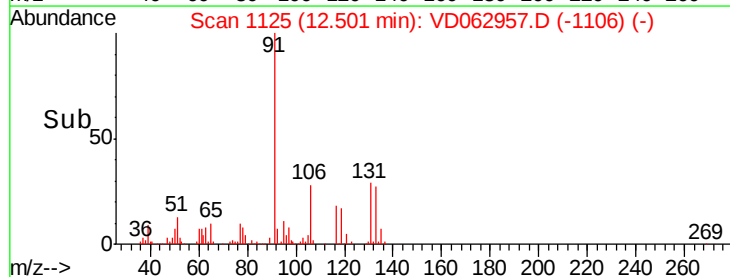
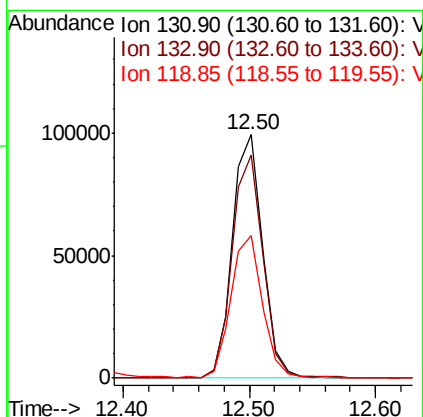
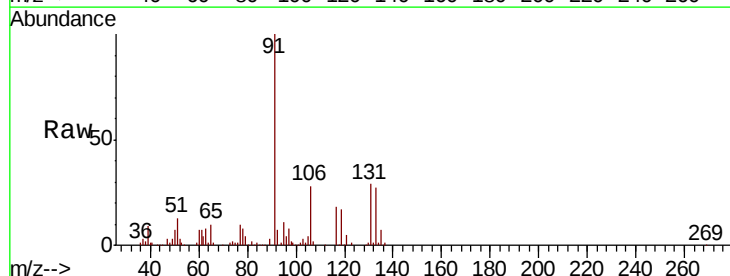
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

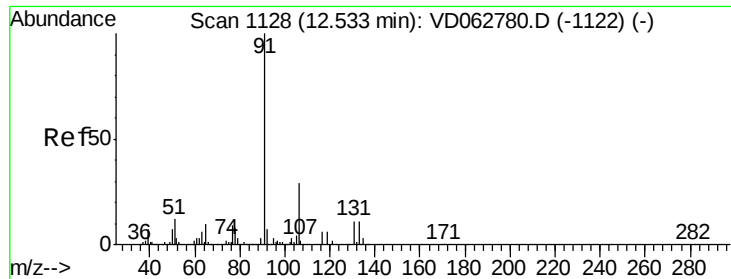
Tot Ion:112 Resp: 333751
Ion Ratio Lower Upper
112 100
114 30.3 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.864 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion:131 Resp: 164356
Ion Ratio Lower Upper
131 100
133 91.4 44.5 133.3
119 58.6 28.6 85.9





#67

Ethyl Benzene

Concen: 20.340 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

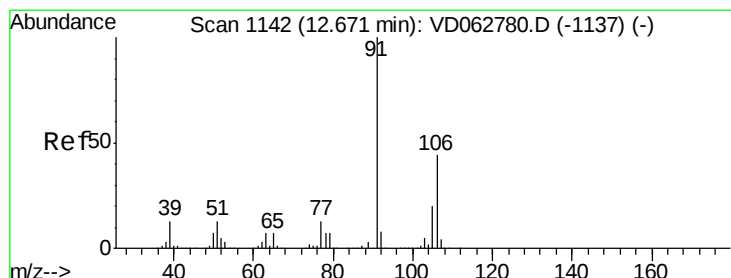
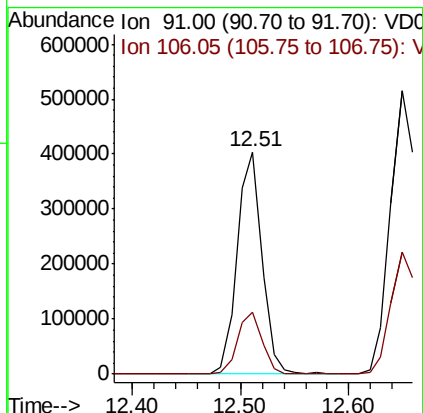
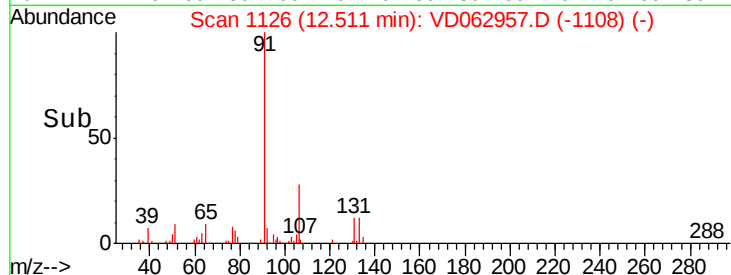
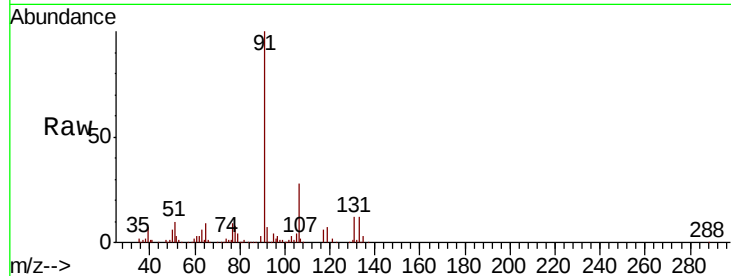
VD0628SBS01

Tot Ion: 91 Resp: 646087

Ion Ratio Lower Upper

91 100

106 27.6 23.1 34.7



#68

m/p-Xylenes

Concen: 37.601 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VD062957.D

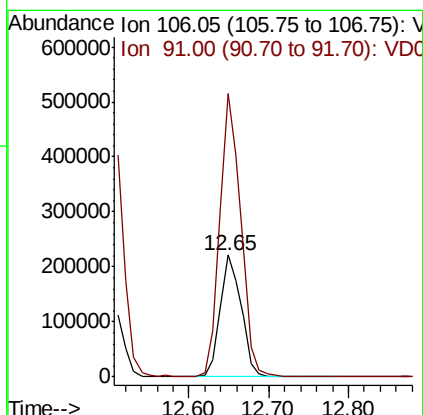
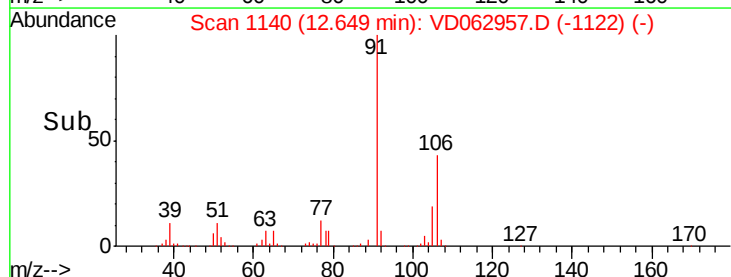
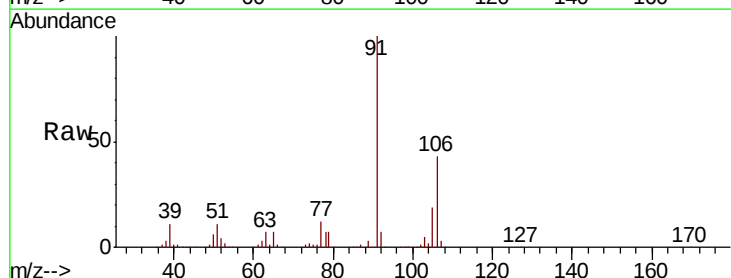
Acq: 28 Jun 2019 11:05

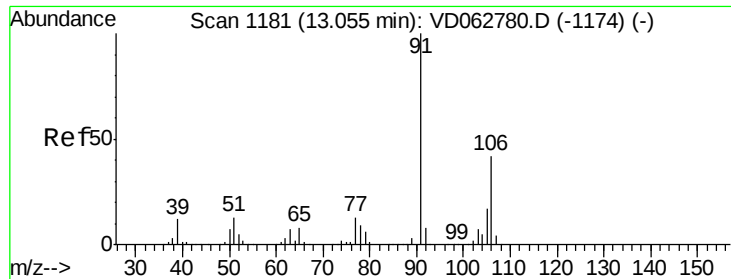
Tgt Ion: 106 Resp: 415994

Ion Ratio Lower Upper

106 100

91 232.4 183.0 274.6

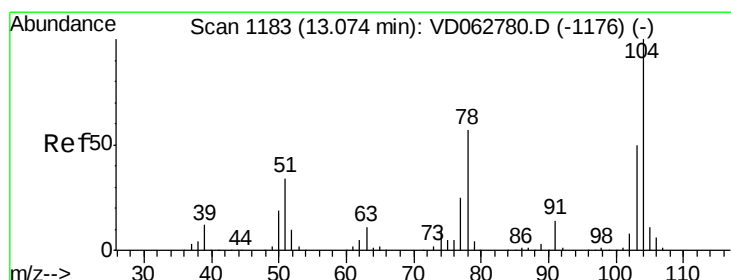
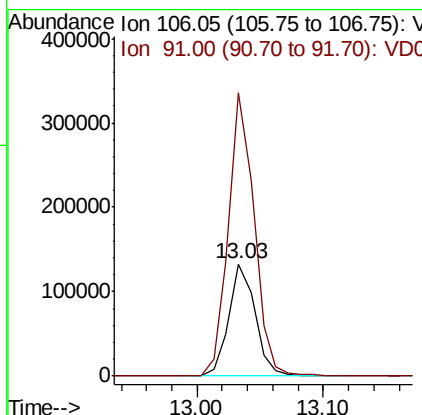
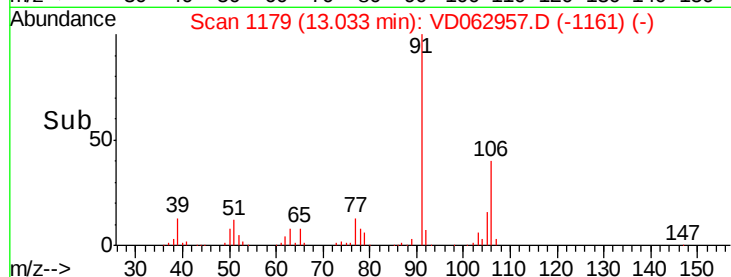
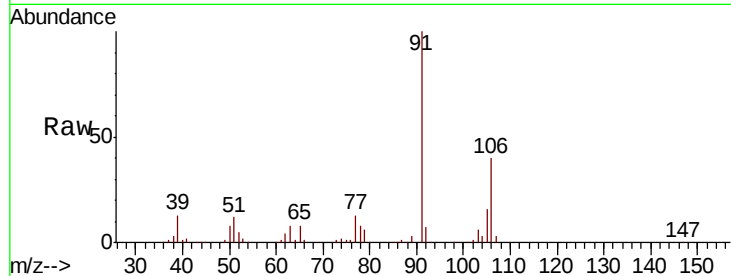




#69
o-Xylene
Concen: 18.817 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

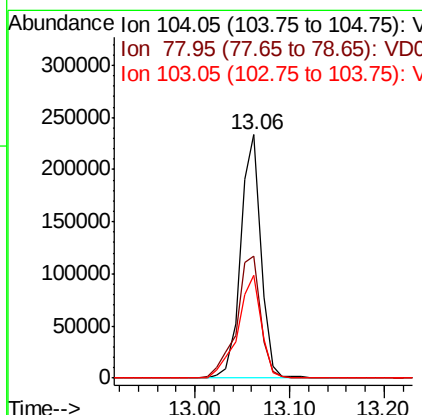
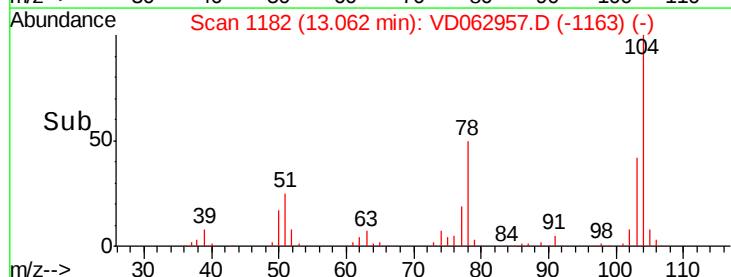
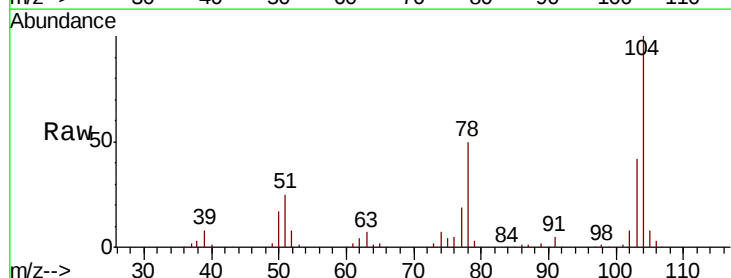
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

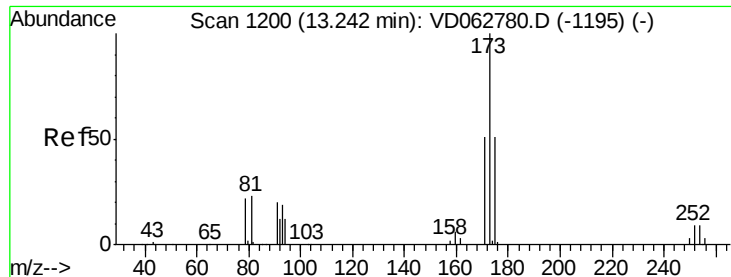
Tot Ion:106 Resp: 190306
Ion Ratio Lower Upper
106 100
91 252.1 117.9 353.6



#70
Styrene
Concen: 19.374 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion:104 Resp: 344167
Ion Ratio Lower Upper
104 100
78 49.9 45.4 68.2
103 42.4 39.7 59.5

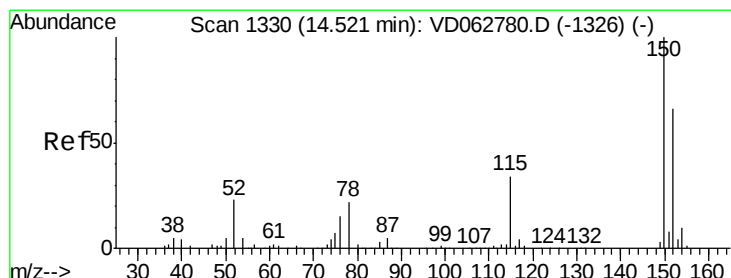
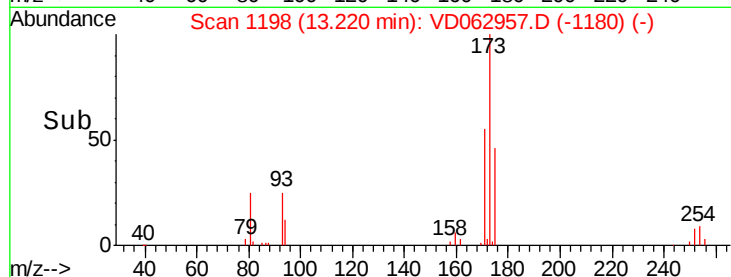
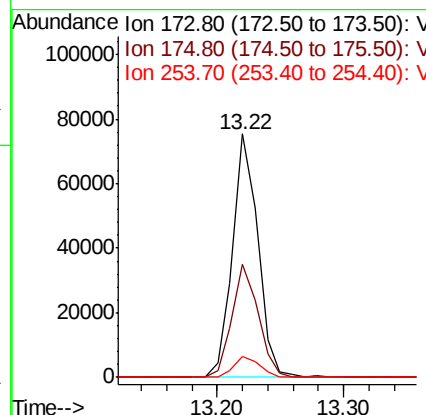
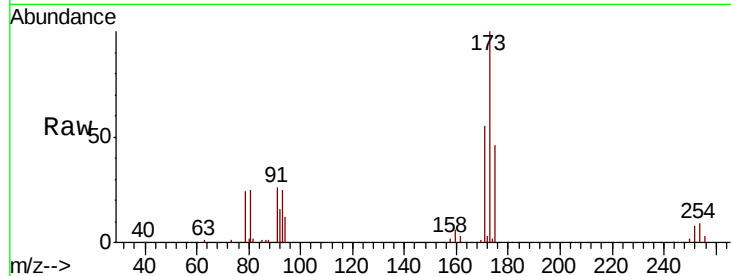




#71
Bromoform
Concen: 18.347 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

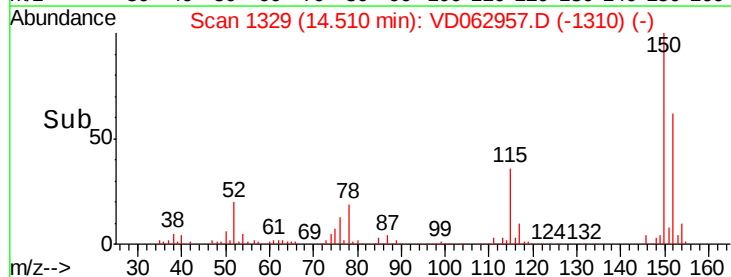
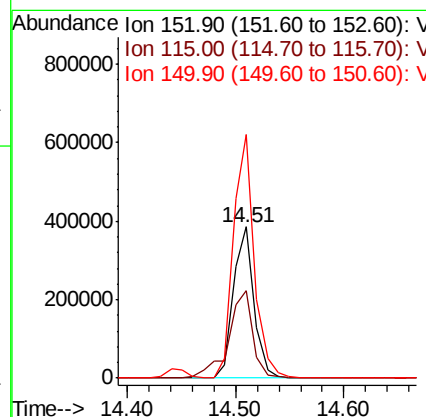
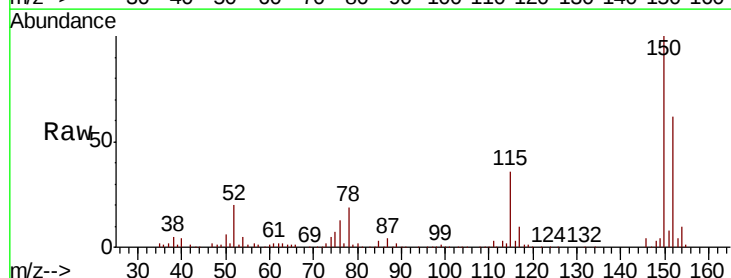
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

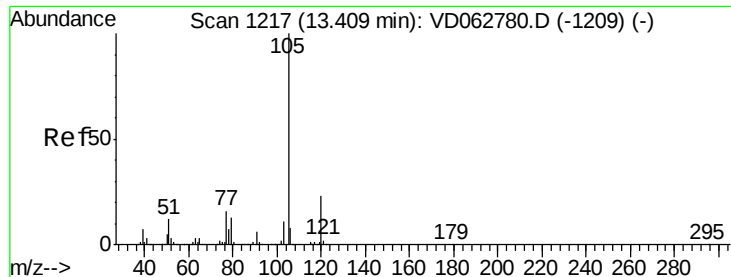
Tot Ion:173 Resp: 104005
Ion Ratio Lower Upper
173 100
175 46.4 25.3 75.9
254 8.7 7.1 10.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion:152 Resp: 512285
Ion Ratio Lower Upper
152 100
115 57.9 29.2 87.6
150 160.9 0.0 305.8





#73

Isopropylbenzene

Concen: 20.082 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

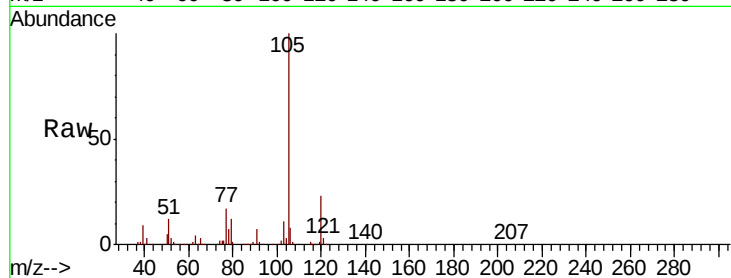
VD0628SBS01

Tot Ion:105 Resp: 659639

Ion Ratio Lower Upper

105 100

120 22.6 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

500000

400000

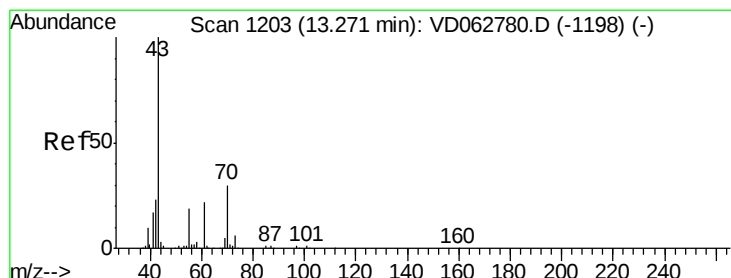
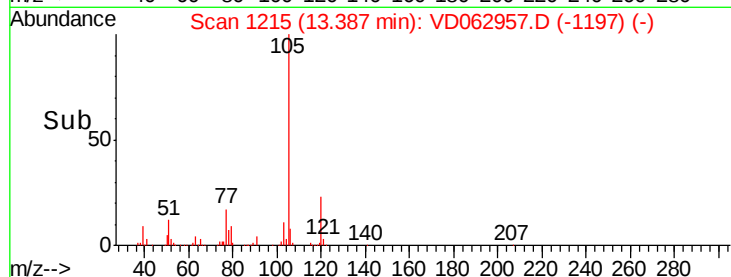
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.797 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Tgt Ion: 43 Resp: 157915

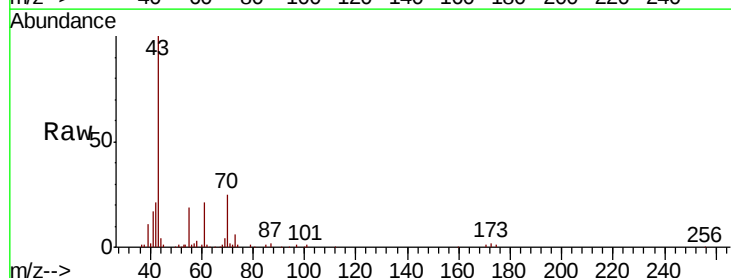
Ion Ratio Lower Upper

43 100

70 25.4 24.4 36.6

55 19.2 15.2 22.8

61 21.0 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.25

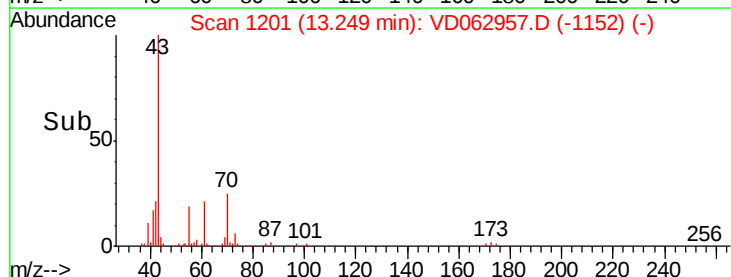
150000

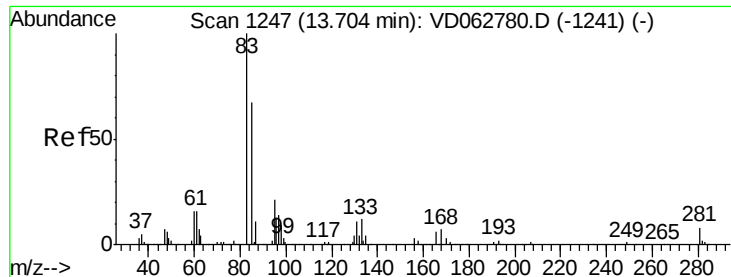
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.281 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

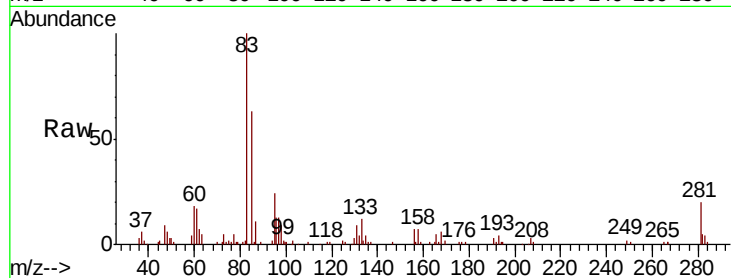
Tot Ion: 83 Resp: 108539

Ion Ratio Lower Upper

83 100

131 8.8 5.3 16.1

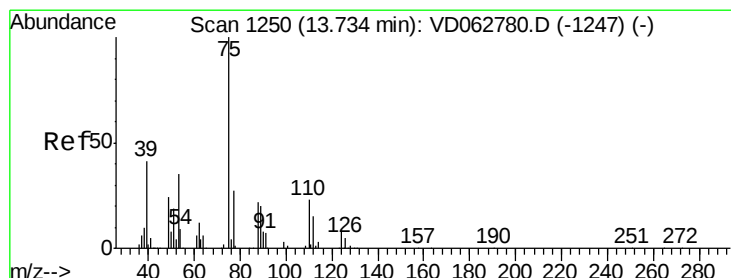
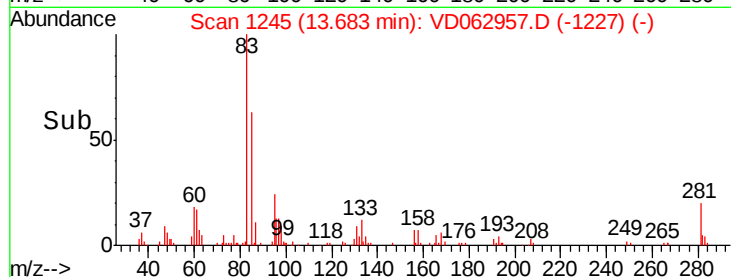
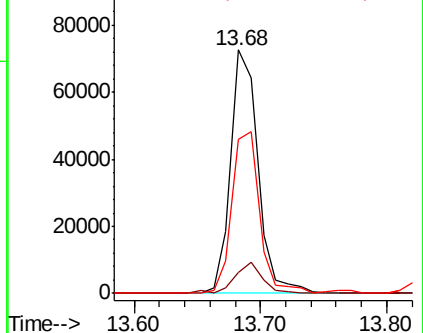
85 63.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.733 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062957.D

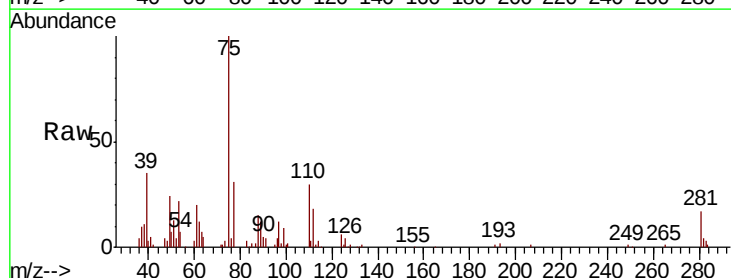
Acq: 28 Jun 2019 11:05

Tgt Ion: 75 Resp: 122617

Ion Ratio Lower Upper

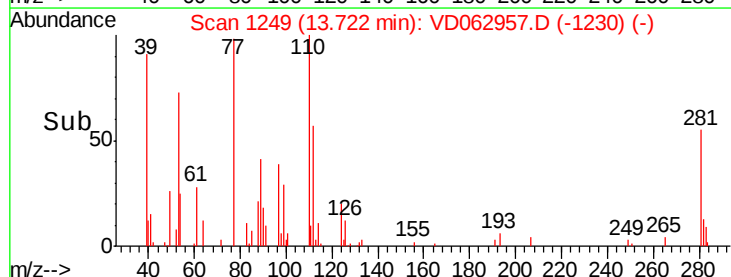
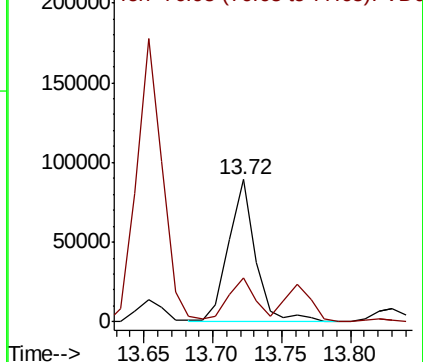
75 100

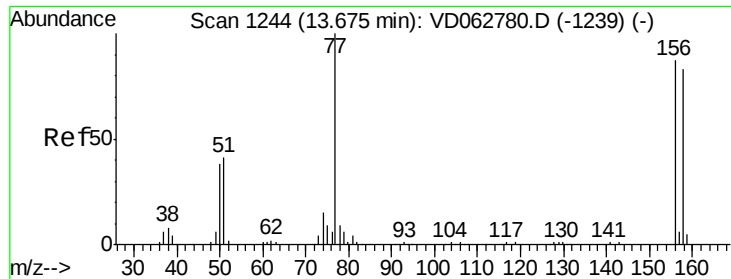
77 31.2 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

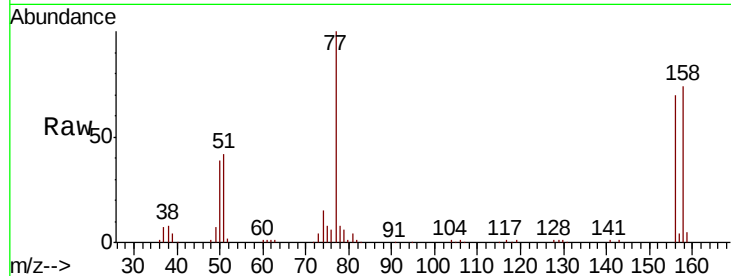




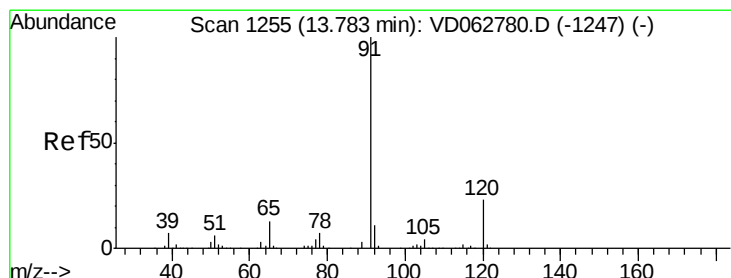
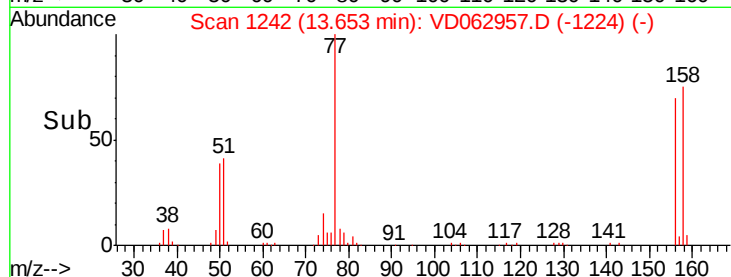
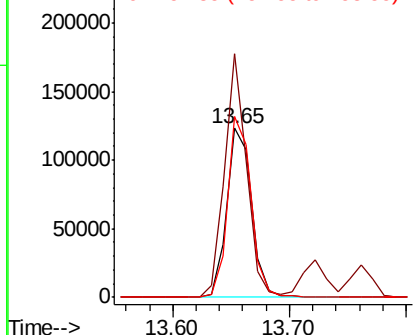
#77
Bromobenzene
Concen: 20.644 ug/l
RT: 13.65 min Scan# 1242
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion:156 Resp: 182389
Ion Ratio Lower Upper
156 100
77 143.8 57.7 173.1
158 106.5 47.7 143.1

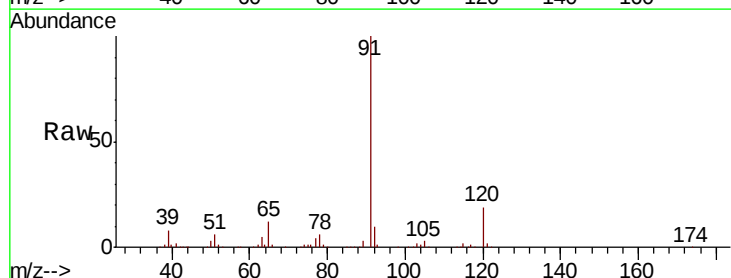


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

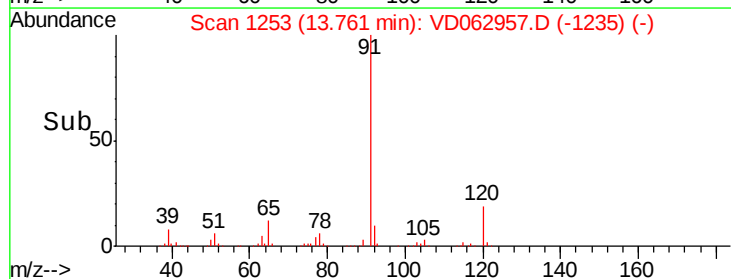
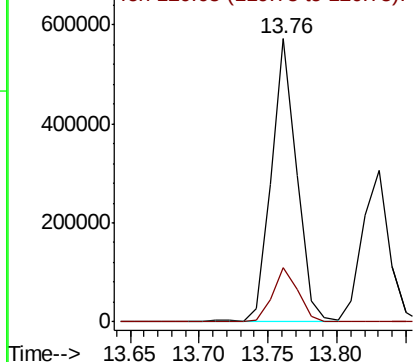


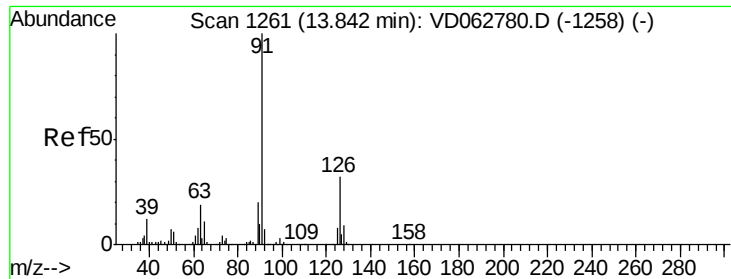
#78
n-propylbenzene
Concen: 19.062 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion: 91 Resp: 728754
Ion Ratio Lower Upper
91 100
120 19.3 11.3 33.8



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

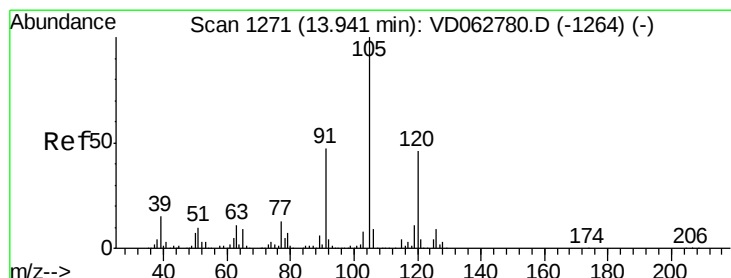
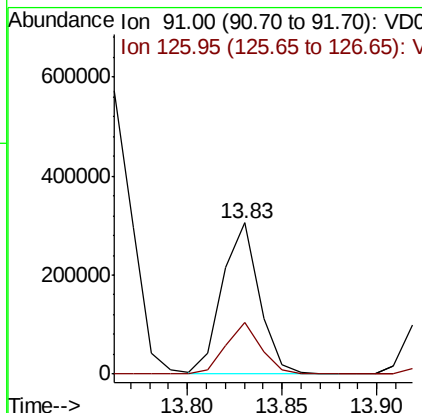
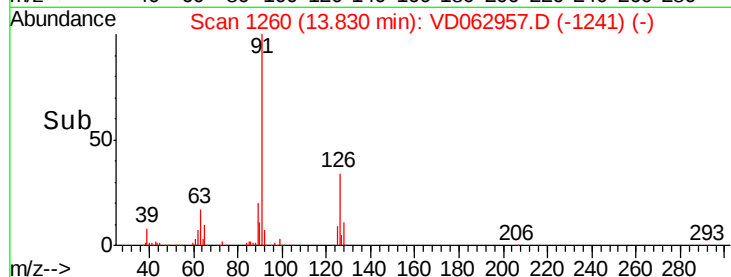
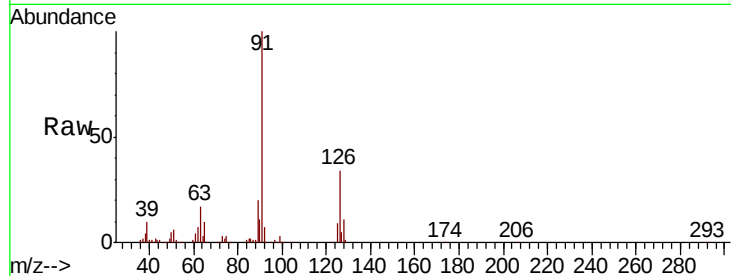




#79
 2-Chlorotoluene
 Concen: 18.882 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

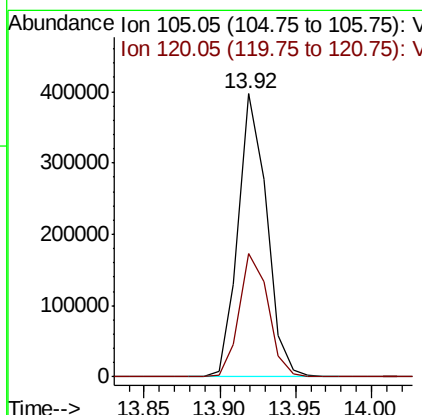
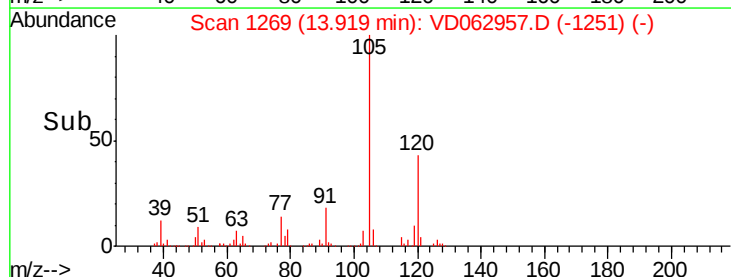
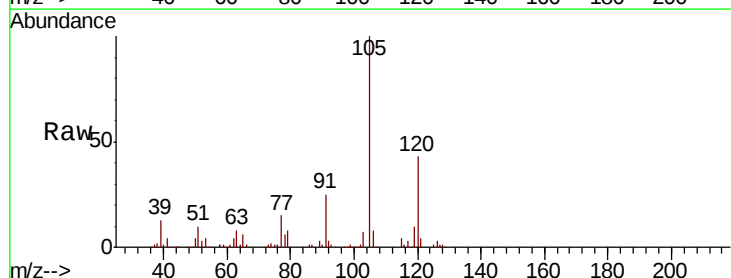
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

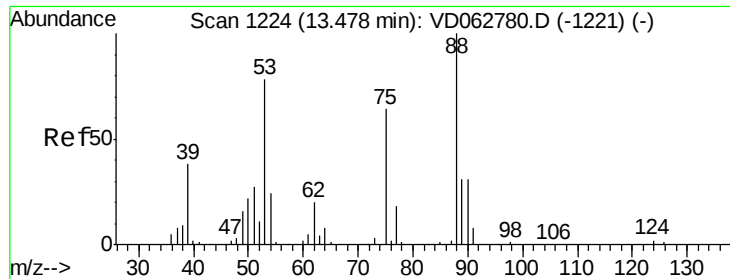
Tot Ion: 91 Resp: 412536
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 18.849 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 105 Resp: 520056
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.392 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

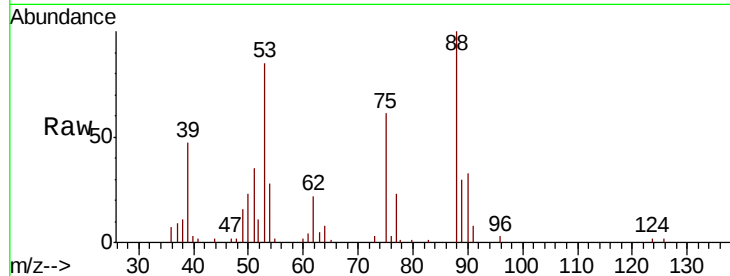
Tot Ion: 75 Resp: 26957

Ion Ratio Lower Upper

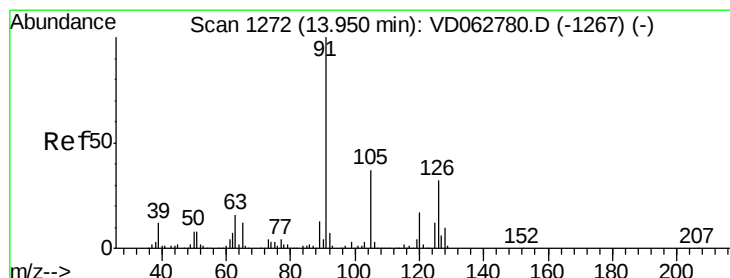
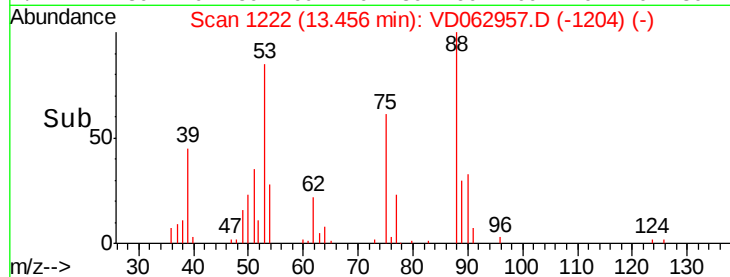
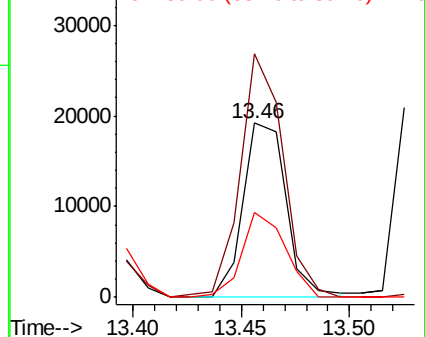
75 100

53 139.6 97.8 146.8

89 48.5 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: 19.510 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062957.D

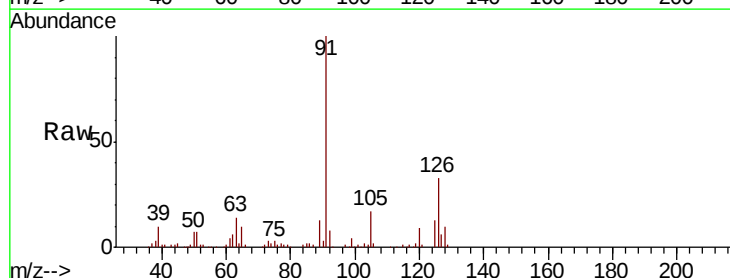
Acq: 28 Jun 2019 11:05

Tgt Ion: 91 Resp: 513176

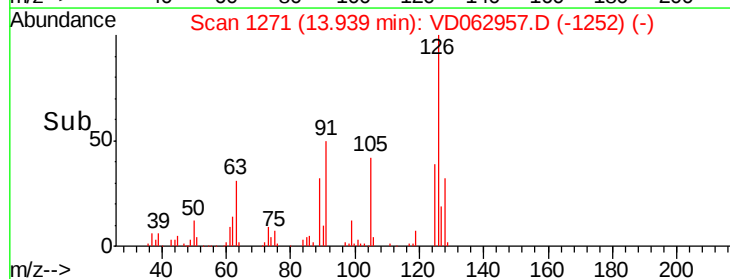
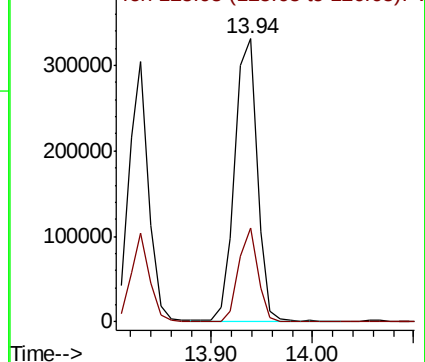
Ion Ratio Lower Upper

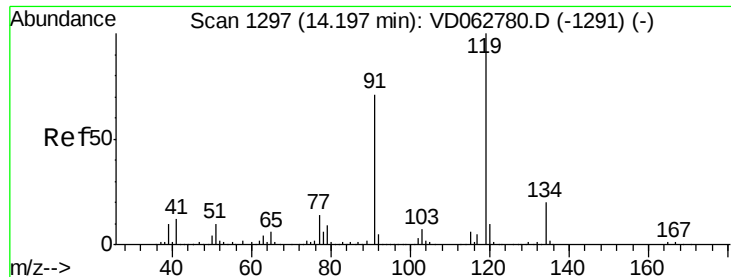
91 100

126 33.1 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: 20.162 ug/l

RT: 14.17 min Scan# 1295

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

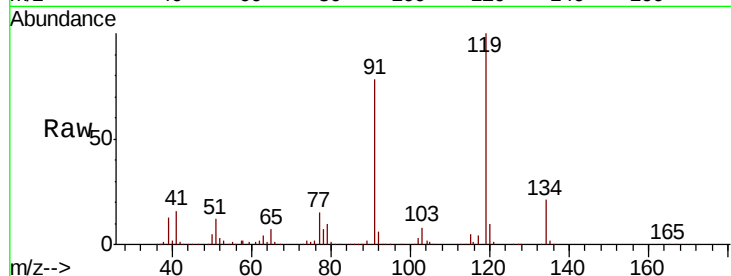
Tot Ion:119 Resp: 620043

Ion Ratio Lower Upper

119 100

91 77.5 35.5 106.5

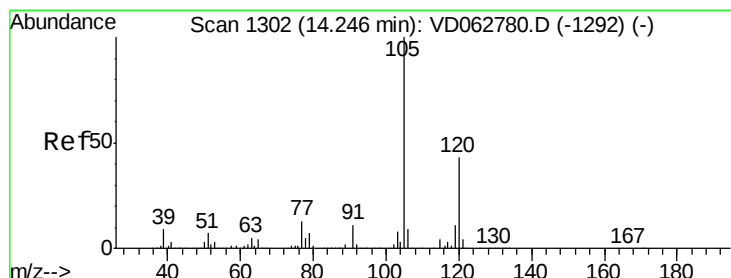
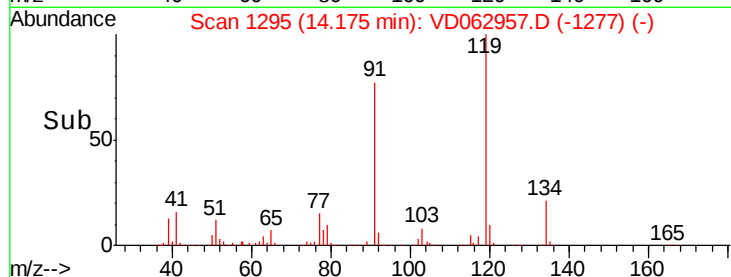
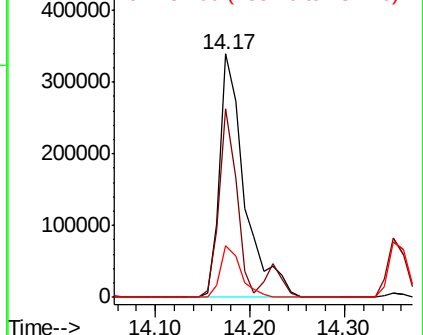
134 21.1 10.2 30.6



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: 19.306 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD062957.D

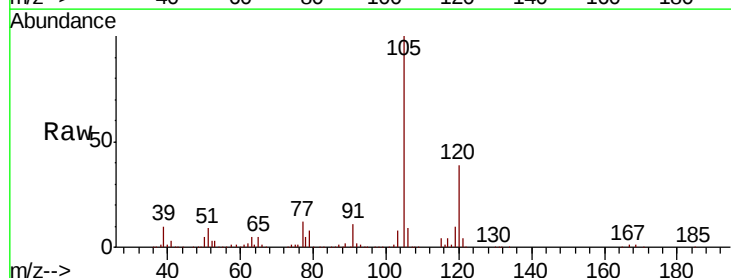
Acq: 28 Jun 2019 11:05

Tgt Ion:105 Resp: 545947

Ion Ratio Lower Upper

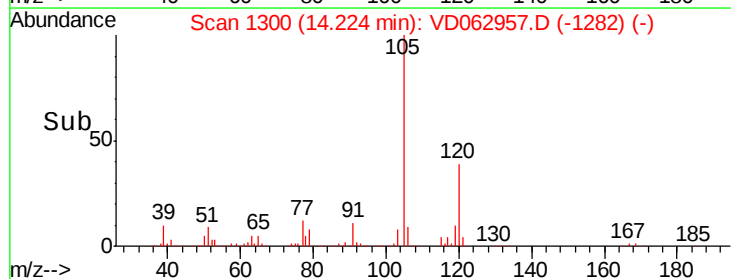
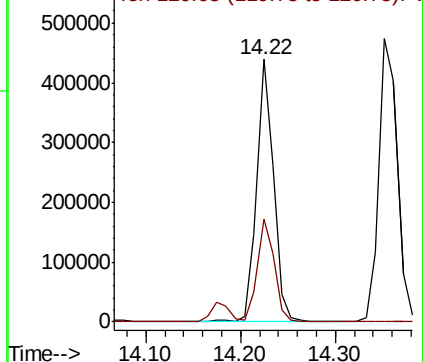
105 100

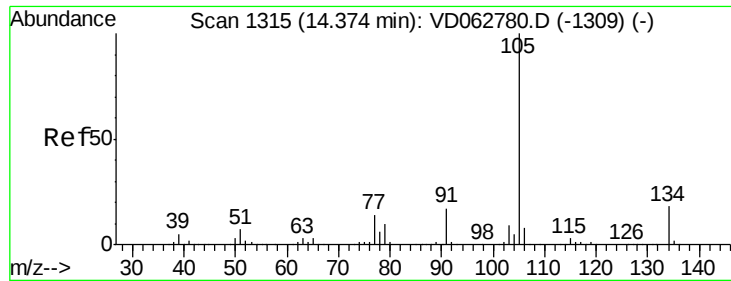
120 39.0 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.345 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

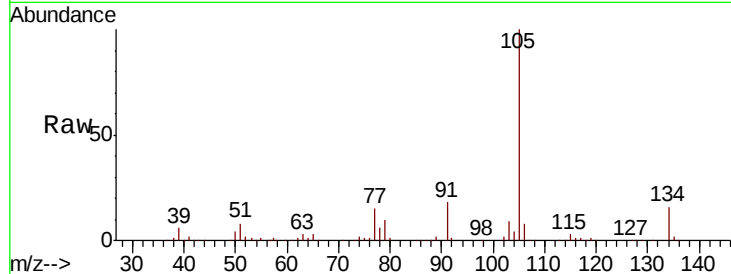
VD0628SBS01

Tot Ion:105 Resp: 646608

Ion Ratio Lower Upper

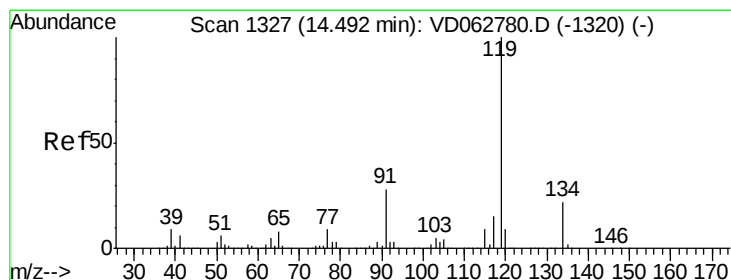
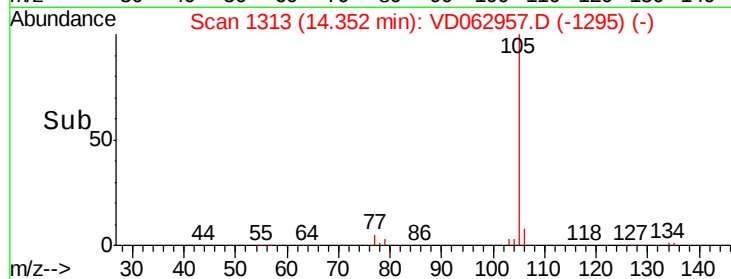
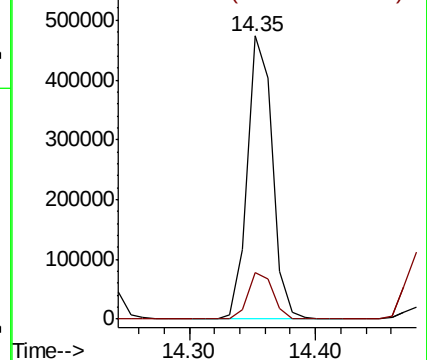
105 100

134 16.2 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.281 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

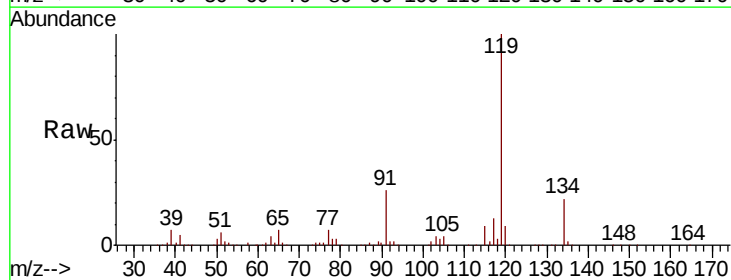
Tgt Ion:119 Resp: 620159

Ion Ratio Lower Upper

119 100

134 22.2 11.1 33.1

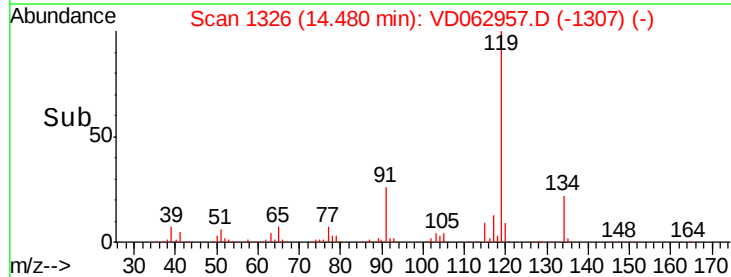
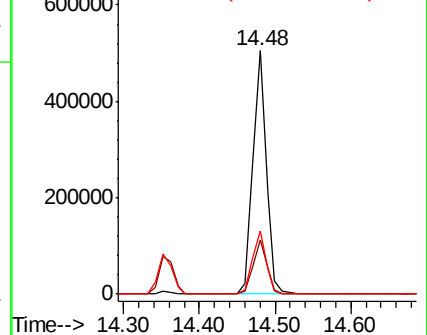
91 25.8 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

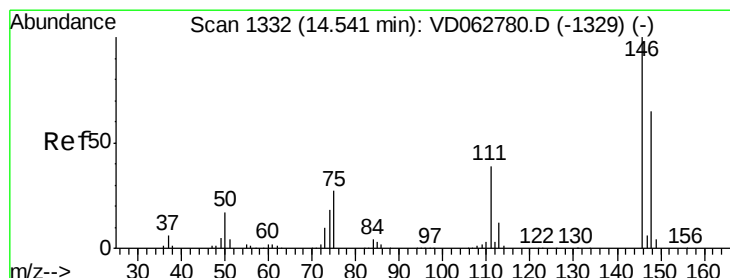
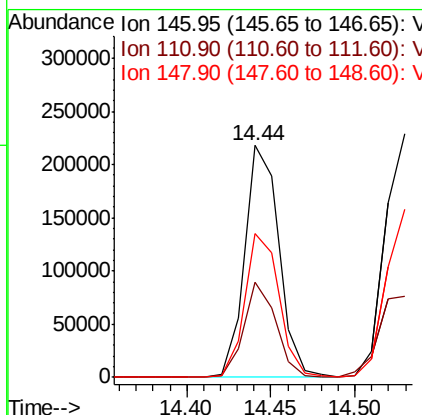
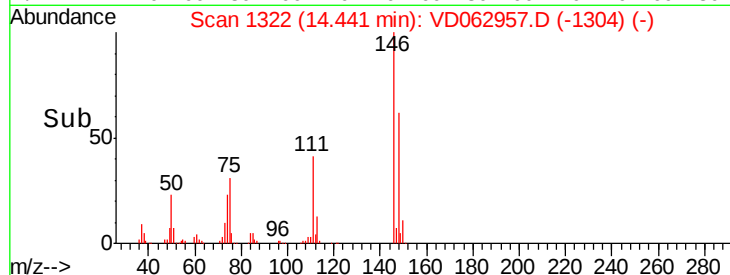
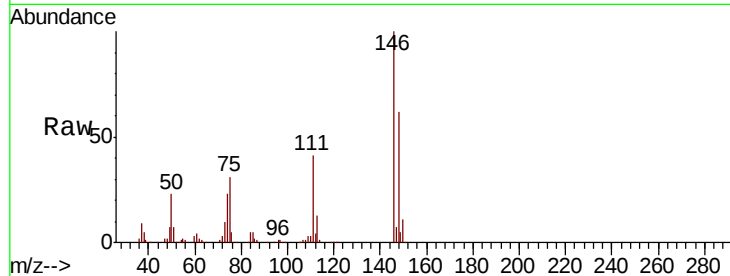




#87
 1,3-Dichlorobenzene
 Concen: 19.360 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

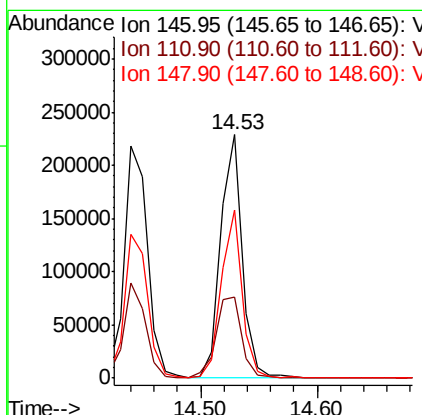
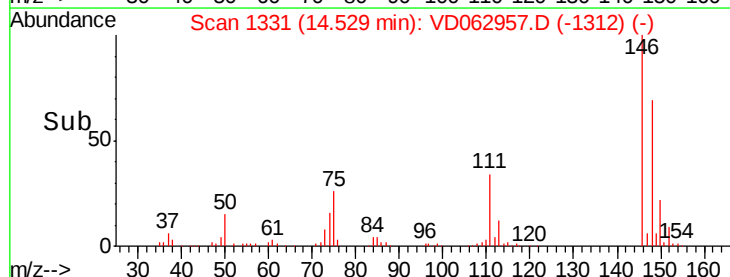
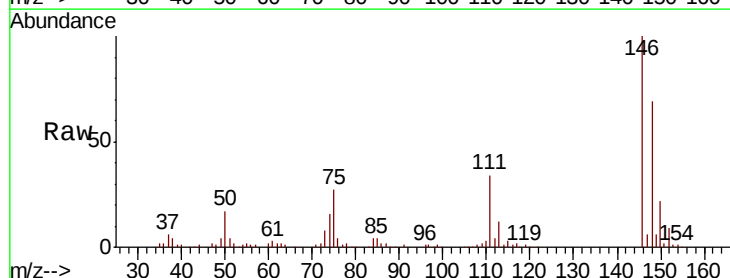
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

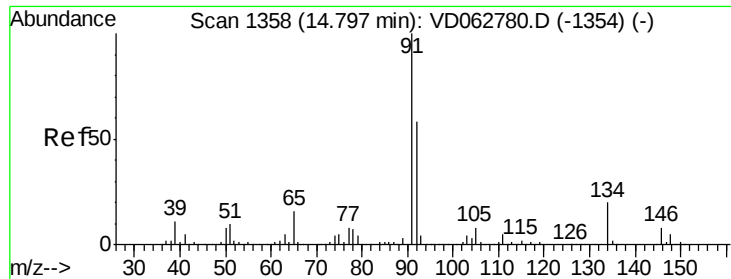
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.0	57.0
148	62.0	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 18.463 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.5	19.7	59.1
148	69.1	32.8	98.3





#89

n-Butylbenzene

Concen: 20.789 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062957.D

Acq: 28 Jun 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBS01

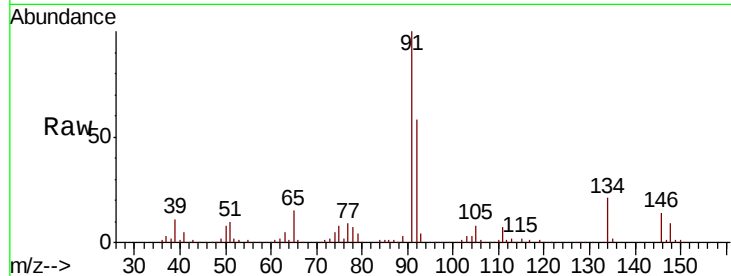
Tot Ion: 91 Resp: 594979

Ion Ratio Lower Upper

91 100

92 58.2 28.9 86.7

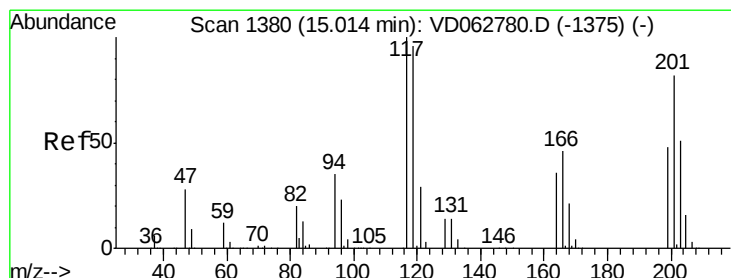
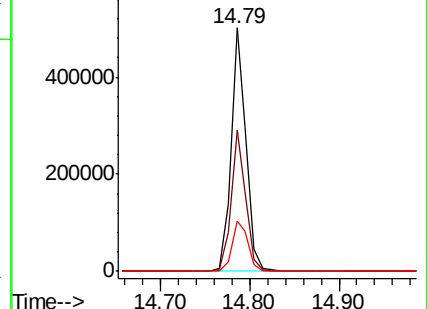
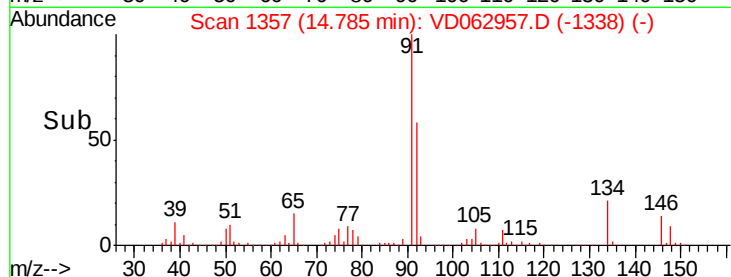
134 20.8 10.1 30.3



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: 19.972 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VD062957.D

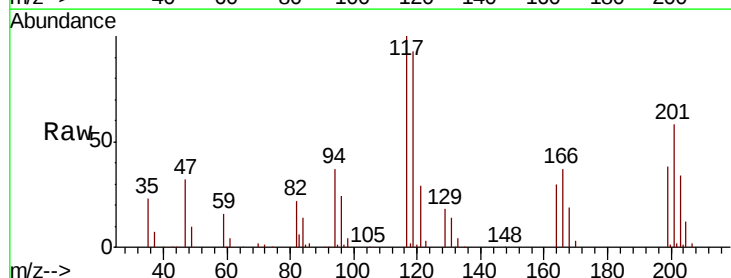
Acq: 28 Jun 2019 11:05

Tgt Ion: 117 Resp: 164203

Ion Ratio Lower Upper

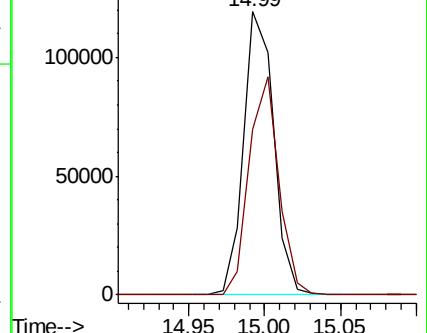
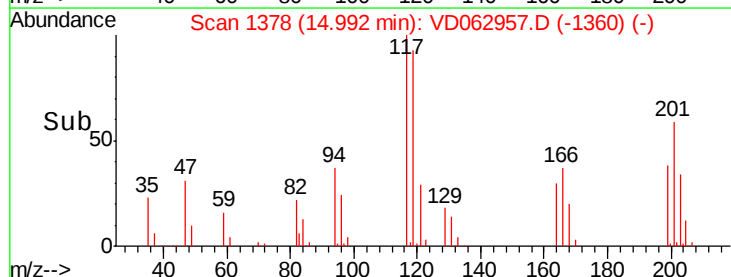
117 100

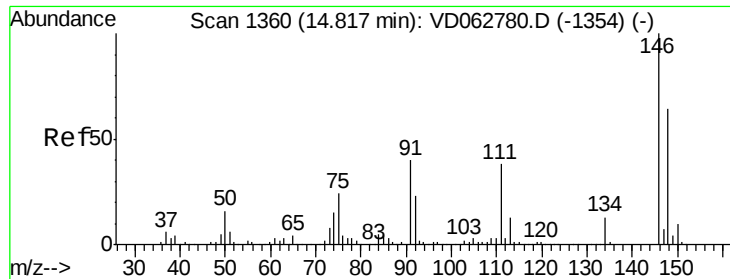
201 58.4 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

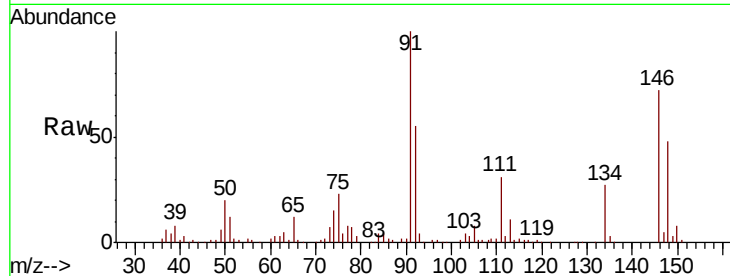




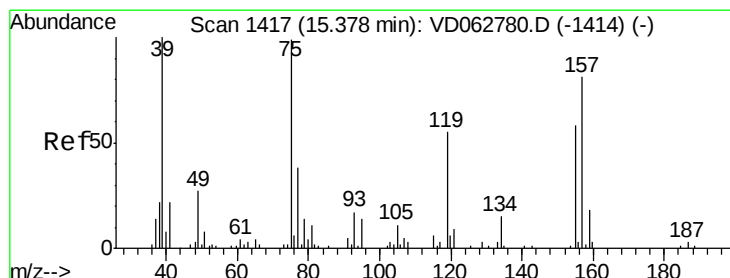
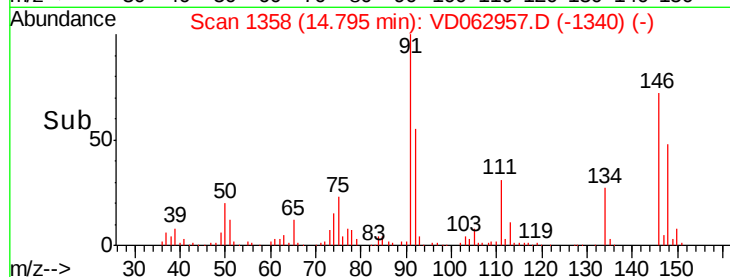
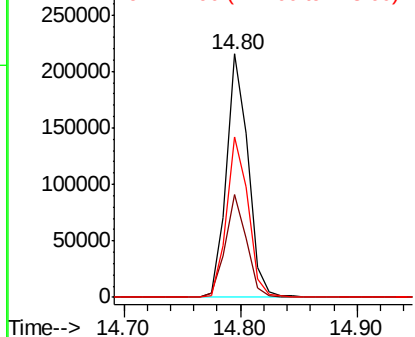
#91
 1,2-Dichlorobenzene
 Concen: 20.603 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Tot Ion:146 Resp: 279164
 Ion Ratio Lower Upper
 146 100
 111 42.5 19.1 57.1
 148 65.9 32.3 96.8

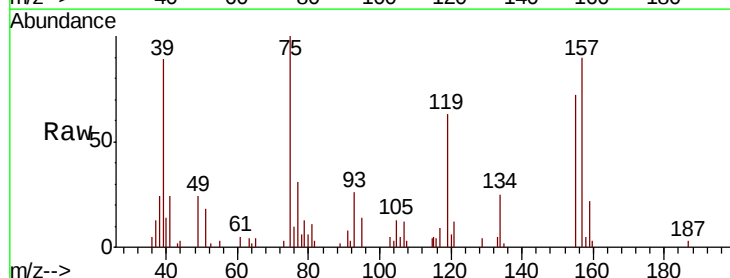


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

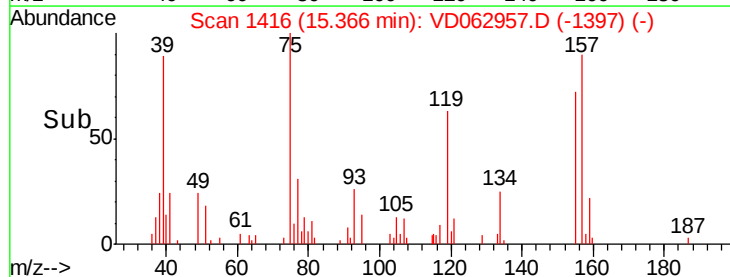
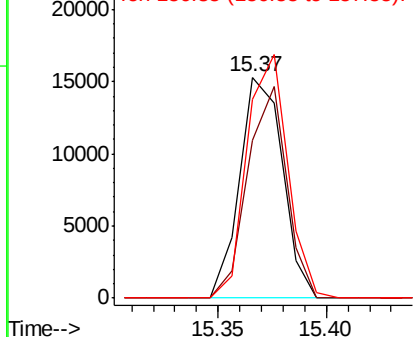


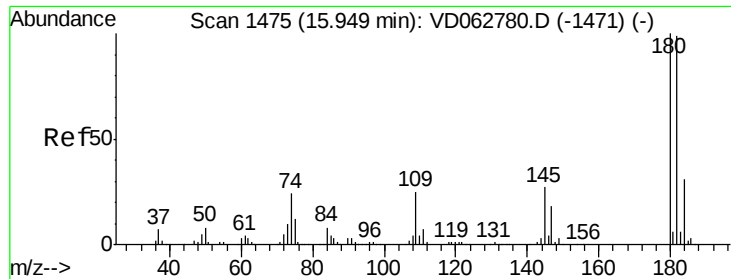
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.184 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion: 75 Resp: 21084
 Ion Ratio Lower Upper
 75 100
 155 71.7 29.3 87.8
 157 89.9 41.3 123.7



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

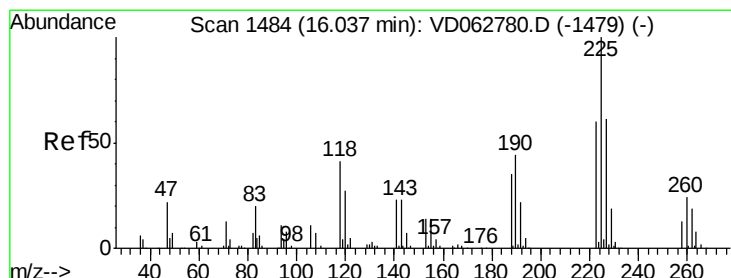
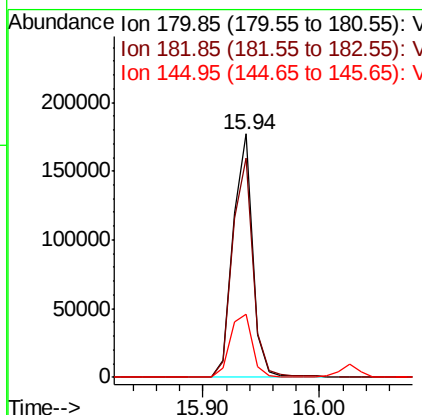
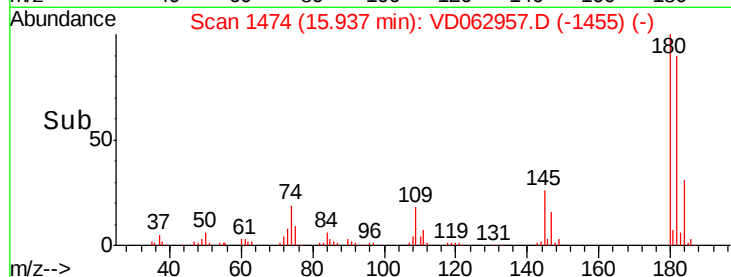
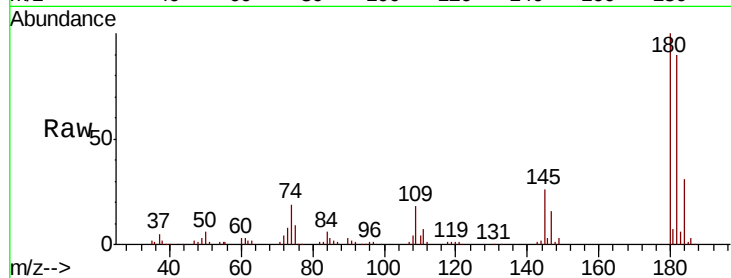




#93
 1,2,4-Trichlorobenzene
 Concen: 19.552 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

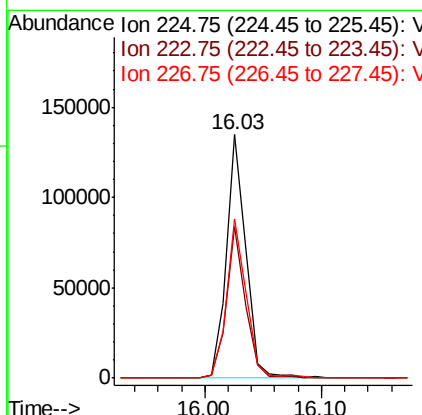
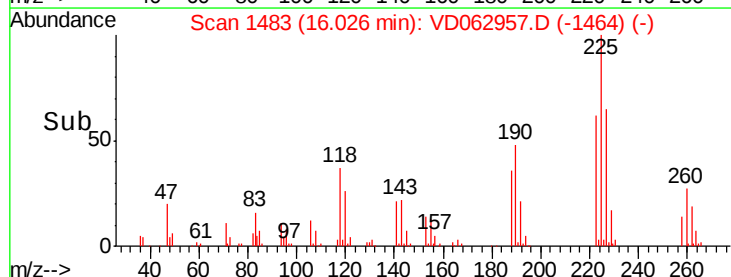
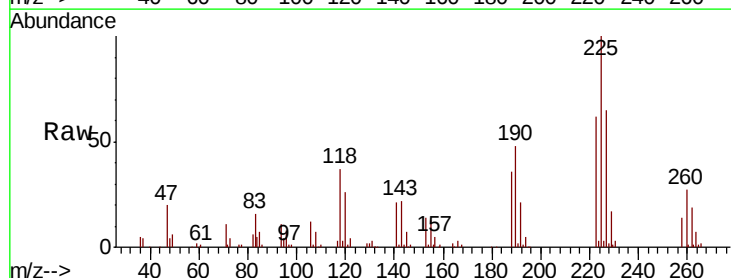
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

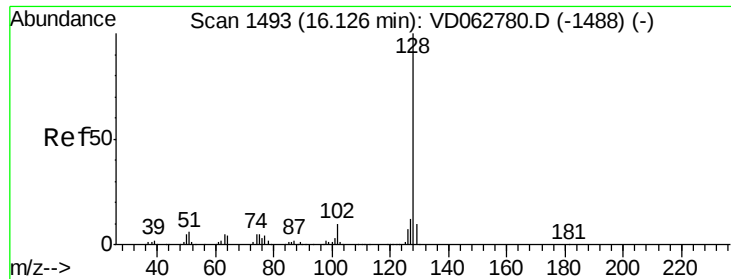
Tot Ion:180 Resp: 206954
 Ion Ratio Lower Upper
 180 100
 182 89.9 49.5 148.5
 145 25.7 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 19.257 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062957.D
 Acq: 28 Jun 2019 11:05

Tgt Ion:225 Resp: 155718
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.8 89.5
 227 65.4 30.6 91.6

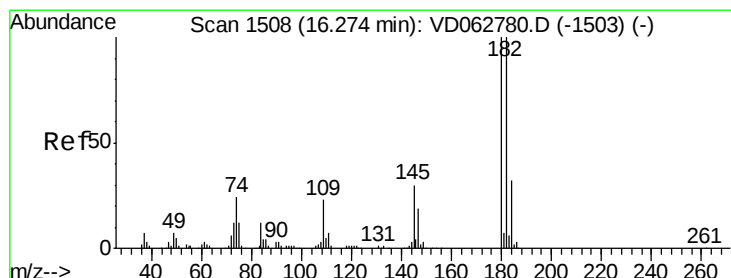
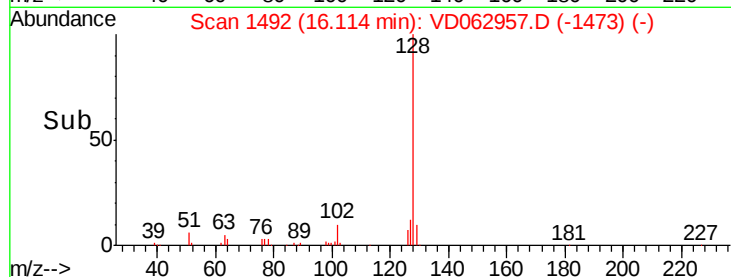
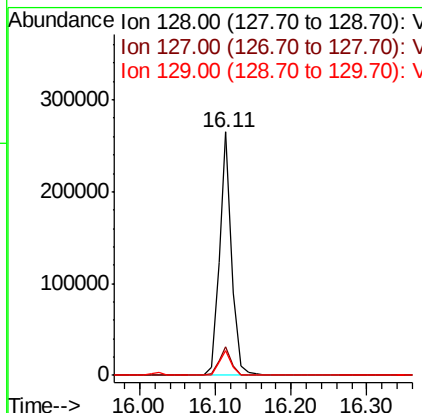
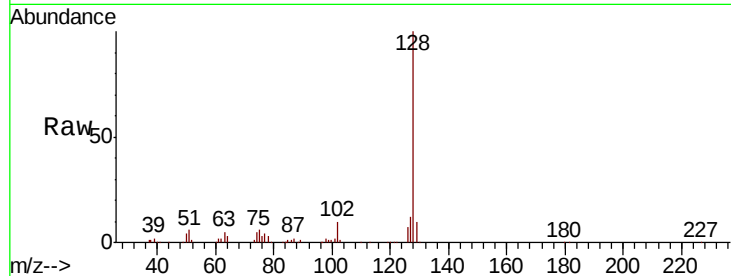




#95
Naphthalene
Concen: 20.317 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Tot Ion:128 Resp: 301405
Ion Ratio Lower Upper
128 100
127 11.6 9.7 14.5
129 10.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.172 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062957.D
Acq: 28 Jun 2019 11:05

Tgt Ion:180 Resp: 172183
Ion Ratio Lower Upper
180 100
182 94.5 49.9 149.6
145 25.9 15.2 45.5

