

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062098.D
 Acq On : 1 May 2019 13:04
 Operator : FY/SY
 Sample : VD0501SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Quant Time: May 02 00:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	533514	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	840881	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.34	117	841402	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	382150	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	237487	56.88	ug/l	-0.03
Spiked Amount			Recovery	=	113.76%	
35) Dibromofluoromethane	6.89	113	332096	57.11	ug/l	-0.04
Spiked Amount			Recovery	=	114.22%	
50) Toluene-d8	10.39	98	826707	59.74	ug/l	-0.03
Spiked Amount			Recovery	=	119.48%	
62) 4-Bromofluorobenzene	13.54	95	325836	58.71	ug/l	-0.02
Spiked Amount			Recovery	=	117.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	83226	17.470	ug/l	99
3) Chloromethane	1.74	50	79057	19.525	ug/l	97
4) Vinyl Chloride	1.84	62	72388	19.725	ug/l	96
5) Bromomethane	2.14	94	19574	17.637	ug/l	93
6) Chloroethane	2.24	64	25712	19.382	ug/l	99
7) Trichlorofluoromethane	2.51	101	112314	20.241	ug/l	95
8) Diethyl Ether	2.85	74	30030	20.193	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	106352	20.807	ug/l	99
10) Methyl Iodide	3.29	142	107425	17.725	ug/l	99
11) Tert butyl alcohol	4.03	59	26667	113.033	ug/l	99
12) 1,1-Dichloroethene	3.11	96	89157	20.502	ug/l	96
13) Acrolein	3.01	56	21792	89.025	ug/l	94
14) Allyl chloride	3.60	41	123758	20.841	ug/l	98
15) Acrylonitrile	4.16	53	72458	99.184	ug/l	89
16) Acetone	3.20	43	103613	103.924	ug/l	92
17) Carbon Disulfide	3.36	76	223788	17.808	ug/l	100
18) Methyl Acetate	3.61	43	42767	22.461	ug/l	99
19) Methyl tert-butyl Ether	4.20	73	170511	19.762	ug/l	93
20) Methylene Chloride	3.79	84	99577	18.507	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	94891	19.021	ug/l	96
22) Diisopropyl ether	5.09	45	269884	19.467	ug/l	100
23) Vinyl Acetate	5.02	43	716363	99.221	ug/l	99
24) 1,1-Dichloroethane	4.94	63	167903	20.037	ug/l	99
25) 2-Butanone	6.03	43	118116	97.714	ug/l	99
26) 2,2-Dichloropropane	5.98	77	153016	20.932	ug/l	95
27) cis-1,2-Dichloroethene	6.00	96	109897	19.364	ug/l	96
28) Bromochloromethane	6.41	49	62517	19.499	ug/l	95
29) Tetrahydrofuran	6.43	42	54948	92.256	ug/l	95
30) Chloroform	6.63	83	199694	20.981	ug/l	97
31) Cyclohexane	6.93	56	110366	17.745	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	169355	20.451	ug/l	98
36) 1,1-Dichloropropene	7.12	75	137383	20.970	ug/l	97
37) Ethyl Acetate	6.14	43	58456	20.939	ug/l	95
38) Carbon Tetrachloride	7.08	117	170473	20.535	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062098.D
 Acq On : 1 May 2019 13:04
 Operator : FY/SY
 Sample : VD0501SBS01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Quant Time: May 02 00:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	121497	18.797	ug/l	95
40) Benzene	7.42	78	311768	19.222	ug/l	98
41) Methacrylonitrile	6.41	41	67314	20.665	ug/l	99
42) 1,2-Dichloroethane	7.55	62	116943	21.236	ug/l	98
43) Isopropyl Acetate	9.21	43	77381	18.970	ug/l	95
44) Trichloroethene	8.51	130	128732	20.473	ug/l	100
45) 1,2-Dichloropropane	8.91	63	76896	18.689	ug/l	98
46) Dibromomethane	9.04	93	56369	19.039	ug/l	94
47) Bromodichloromethane	9.34	83	150286	21.483	ug/l	98
48) Methyl methacrylate	9.09	41	47795	20.536	ug/l	93
49) 1,4-Dioxane	9.05	88	9585	381.993	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	255321	102.348	ug/l	96
52) Toluene	10.48	92	201104	19.446	ug/l	96
53) t-1,3-Dichloropropene	10.89	75	146753	24.992	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	159568	22.343	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	79235	22.822	ug/l	93
56) Ethyl methacrylate	11.02	69	81936	21.309	ug/l	95
57) 1,3-Dichloropropane	11.38	76	119110	22.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	226641	126.775	ug/l	96
59) 2-Hexanone	11.51	43	224026	119.714	ug/l	97
60) Dibromochloromethane	11.67	129	137023	23.852	ug/l	99
61) 1,2-Dibromoethane	11.78	107	94256	22.886	ug/l	94
64) Tetrachloroethene	11.23	164	109889	18.308	ug/l	97
65) Chlorobenzene	12.38	112	266345	16.752	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.49	131	126377	18.739	ug/l	98
67) Ethyl Benzene	12.50	91	488791	18.835	ug/l	99
68) m/p-Xylenes	12.65	106	353771	37.718	ug/l	99
69) o-Xylene	13.03	106	161773	18.851	ug/l	100
70) Styrene	13.05	104	270318	18.242	ug/l	99
71) Bromoform	13.22	173	67899	17.659	ug/l	98
73) Isopropylbenzene	13.39	105	477494	18.731	ug/l	98
74) N-amyl acetate	13.25	43	104374	15.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.68	83	92789	18.575	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	91683	18.893	ug/l	99
77) Bromobenzene	13.65	156	134667	18.415	ug/l	95
78) n-propylbenzene	13.76	91	543800	18.635	ug/l	98
79) 2-Chlorotoluene	13.82	91	336066	19.012	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	360042	17.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	27399	18.632	ug/l	97
82) 4-Chlorotoluene	13.93	91	339196	17.425	ug/l	89
83) tert-Butylbenzene	14.18	119	421749	17.911	ug/l	99
84) 1,2,4-Trimethylbenzene	14.22	105	386735	19.926	ug/l	97
85) sec-Butylbenzene	14.35	105	444085	17.454	ug/l	98
86) p-Isopropyltoluene	14.48	119	442700	19.442	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	243508	19.015	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	239424	19.992	ug/l	99
89) n-Butylbenzene	14.79	91	368052	18.004	ug/l	96
90) Hexachloroethane	14.99	117	119321	19.379	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	199108	18.848	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13163	19.531	ug/l	77

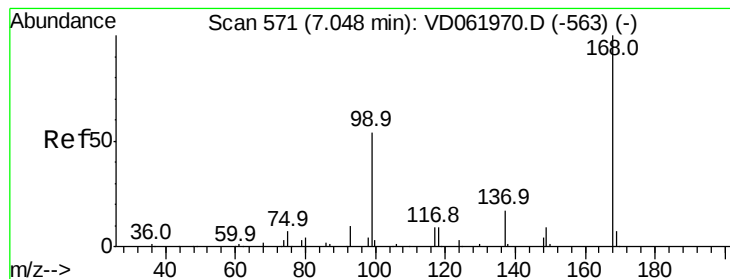
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
Data File : VD062098.D
Acq On : 1 May 2019 13:04
Operator : FY/SY
Sample : VD0501SBS01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Quant Time: May 02 00:54:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Wed May 01 08:37:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	106455	18.677	ug/l	97
94) Hexachlorobutadiene	16.03	225	80344	19.048	ug/l	99
95) Naphthalene	16.11	128	167985	18.254	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	64751	20.022	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

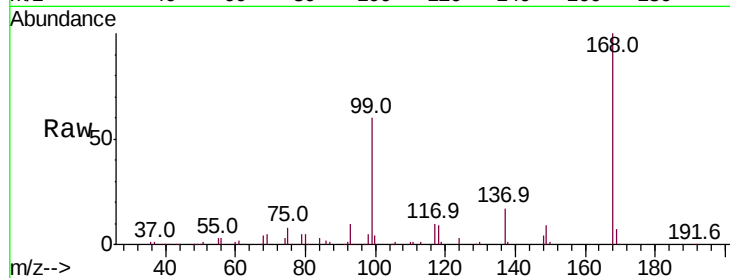
VD0501SBS01

Tot Ion:168 Resp: 533514

Ion Ratio Lower Upper

168 100

99 60.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.01

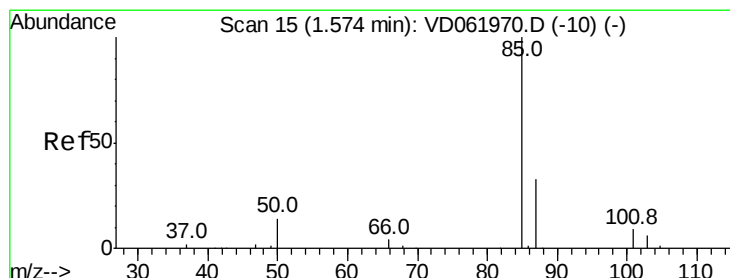
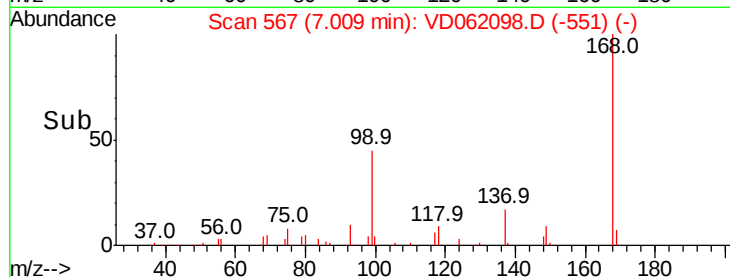
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.470 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD062098.D

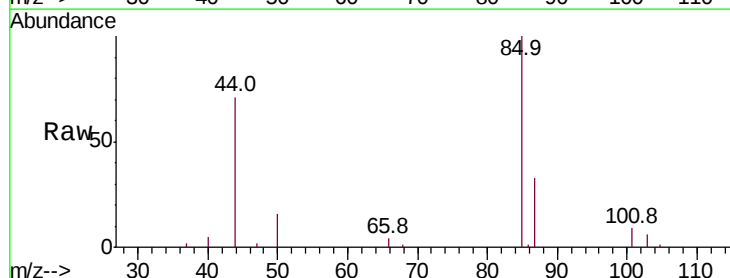
Acq: 1 May 2019 13:04

Tgt Ion: 85 Resp: 83226

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.56

40000

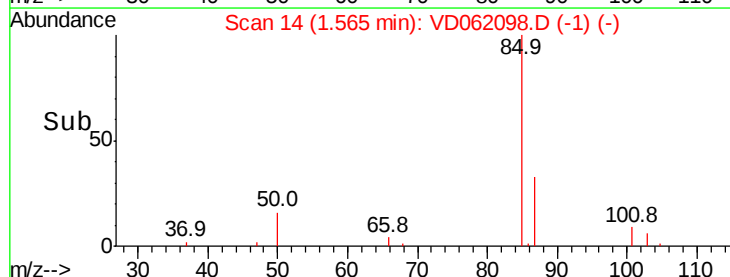
30000

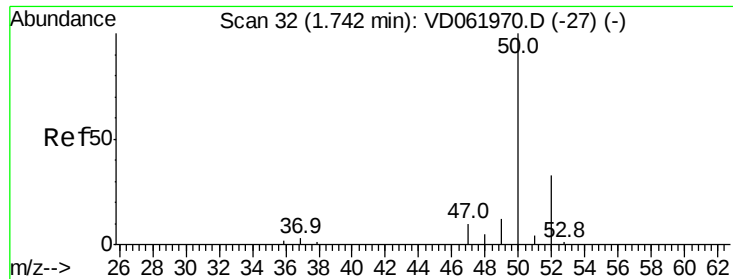
20000

10000

0

Time-->

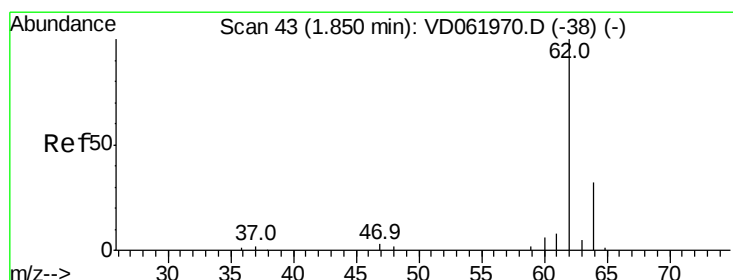
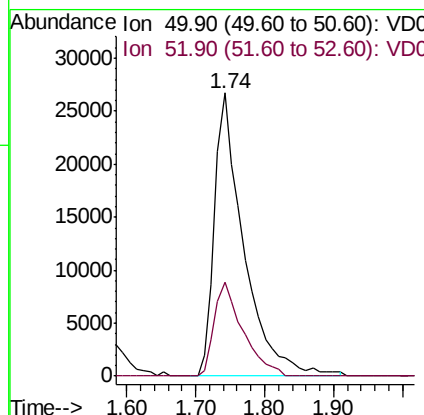
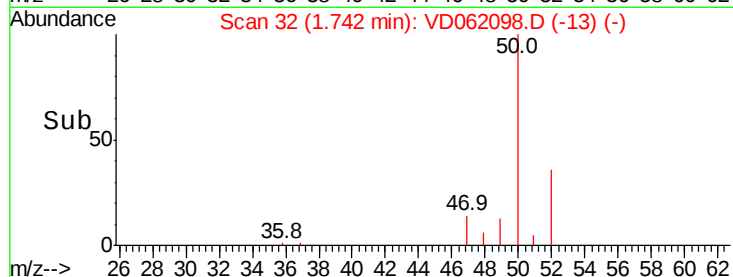
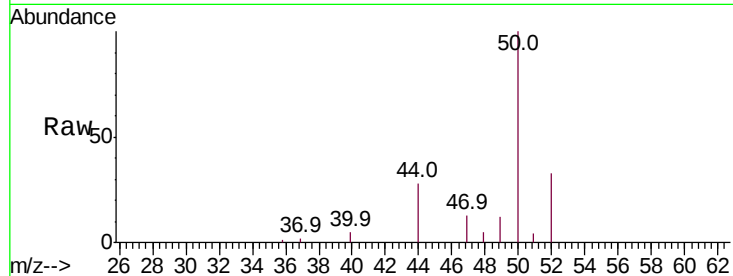




#3
Chloromethane
Concen: 19.525 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

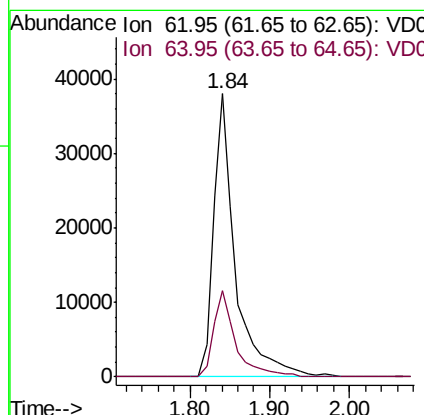
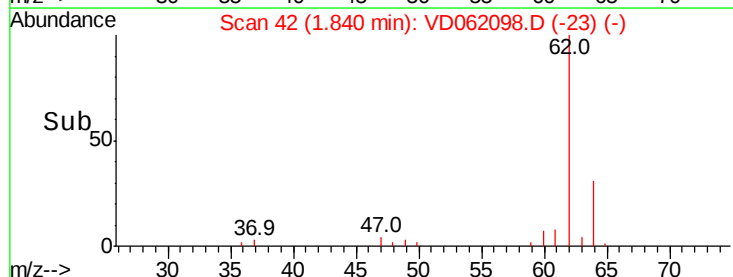
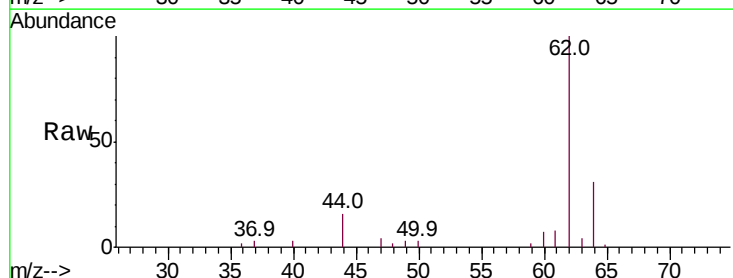
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

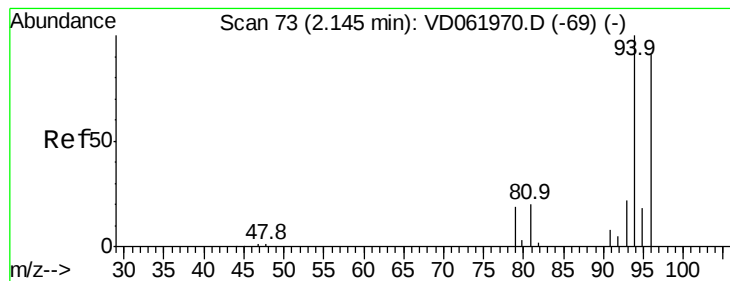
Tot Ion: 50 Resp: 79057
Ion Ratio Lower Upper
50 100
52 33.0 25.2 37.8



#4
Vinyl Chloride
Concen: 19.725 ug/l
RT: 1.84 min Scan# 42
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 62 Resp: 72388
Ion Ratio Lower Upper
62 100
64 30.6 26.5 39.7





#5

Bromomethane

Concen: 17.637 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

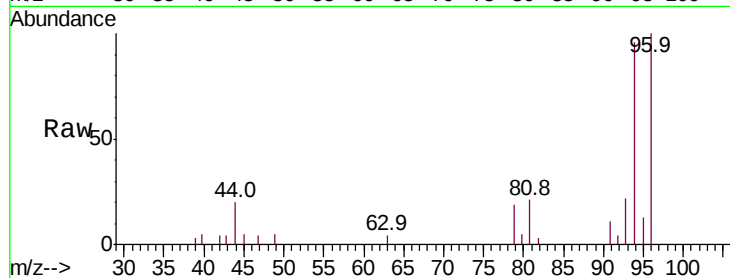
Tot Ion: 94 Resp: 19574

Ion Ratio Lower Upper

94 100

96 103.7 76.6 115.0

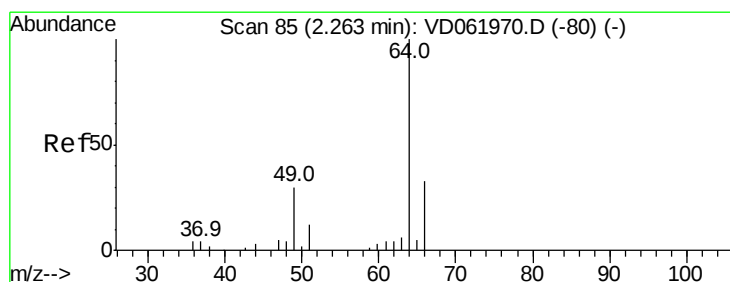
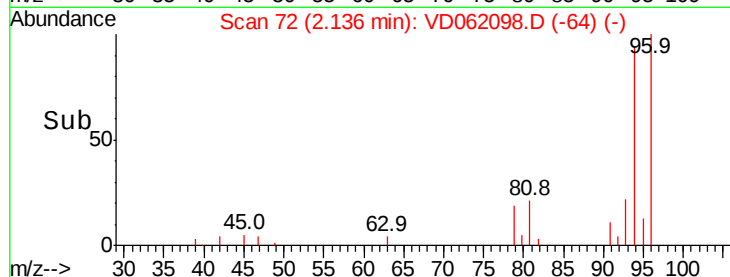
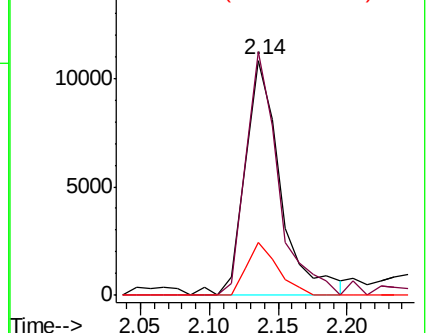
93 22.7 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.382 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD062098.D

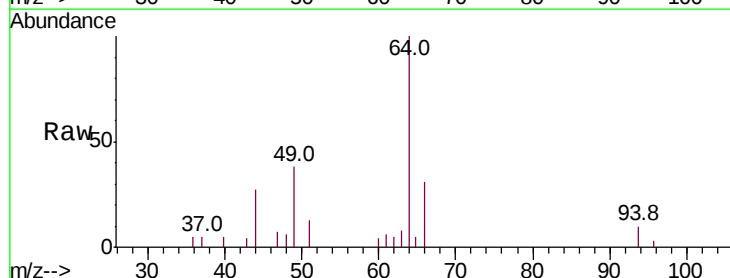
Acq: 1 May 2019 13:04

Tgt Ion: 64 Resp: 25712

Ion Ratio Lower Upper

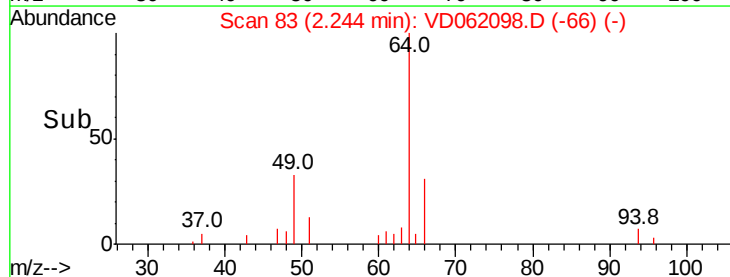
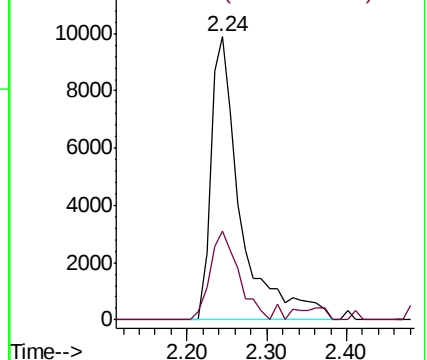
64 100

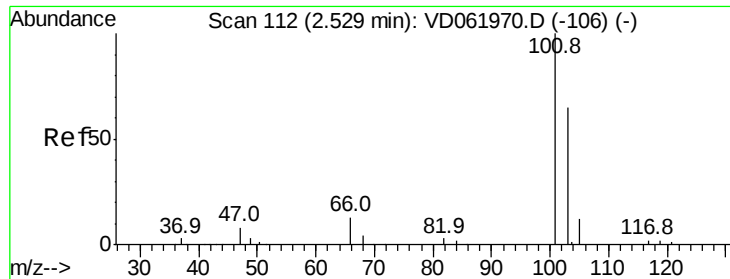
66 31.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



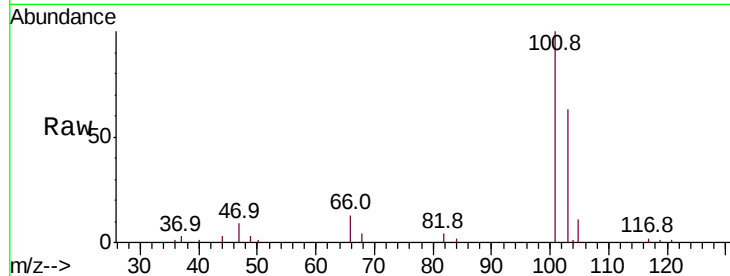


#7

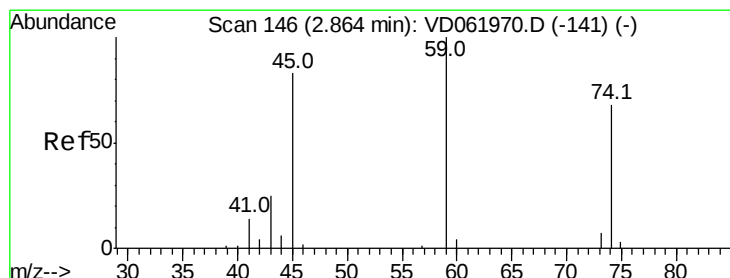
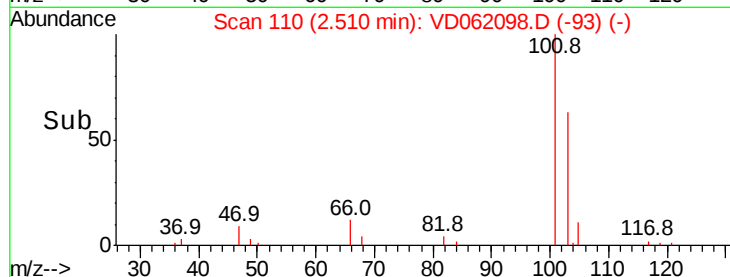
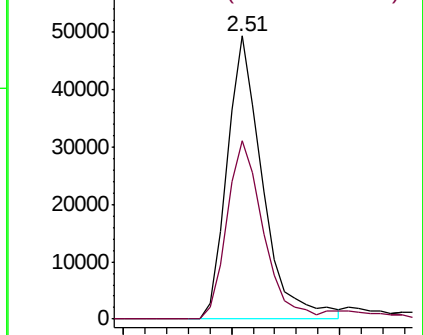
Trichlorofluoromethane
 Concen: 20.241 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Tot Ion:101 Resp: 112314
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.6 80.4



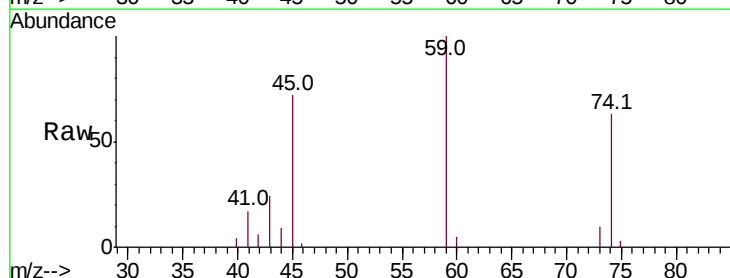
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



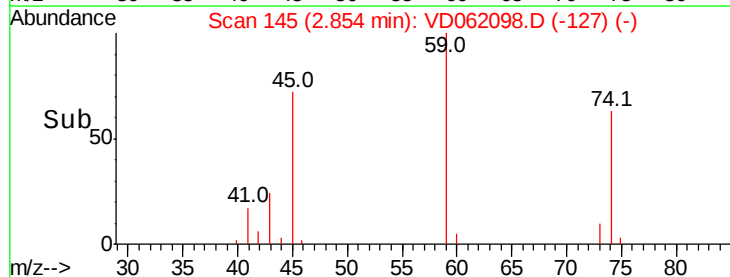
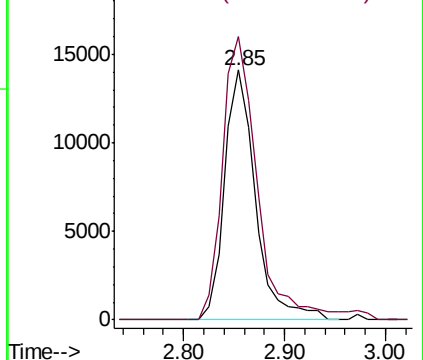
#8

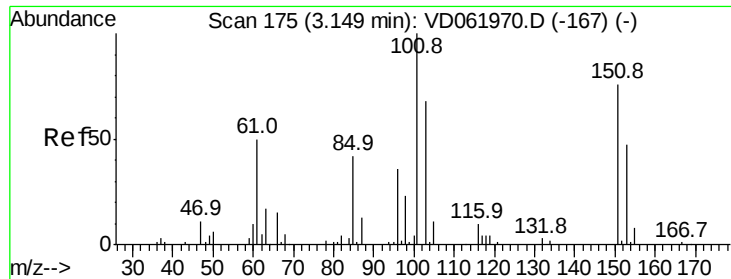
Diethyl Ether
 Concen: 20.193 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion: 74 Resp: 30030
 Ion Ratio Lower Upper
 74 100
 45 113.4 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.807 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

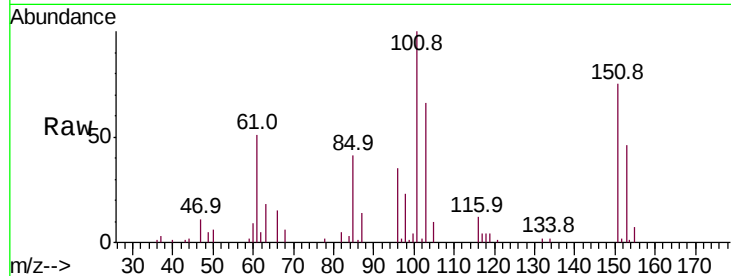
Tot Ion:101 Resp: 106352

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

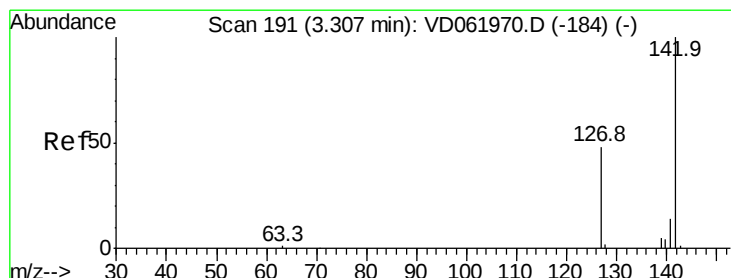
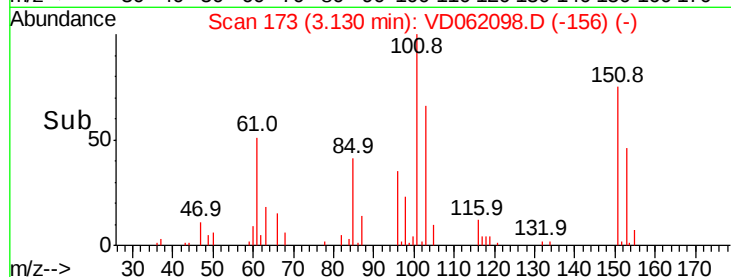
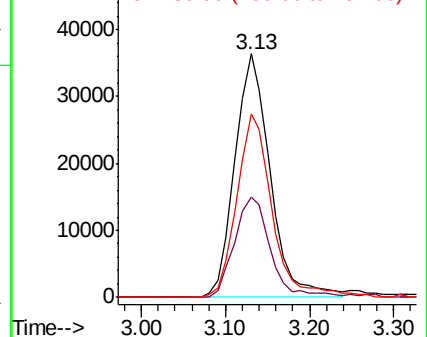
151 75.3 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.725 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

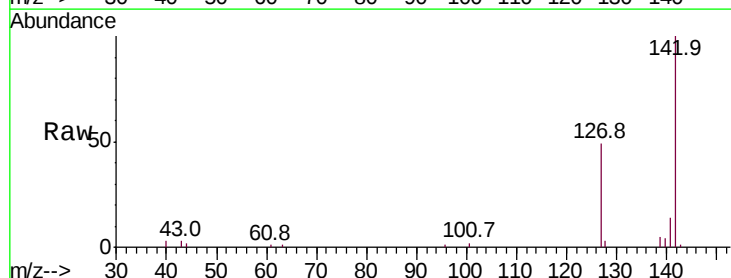
Tgt Ion:142 Resp: 107425

Ion Ratio Lower Upper

142 100

127 49.2 38.8 58.2

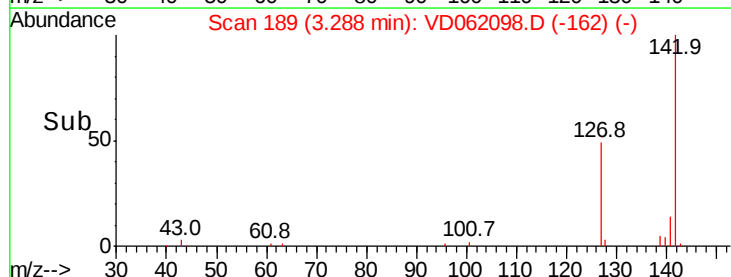
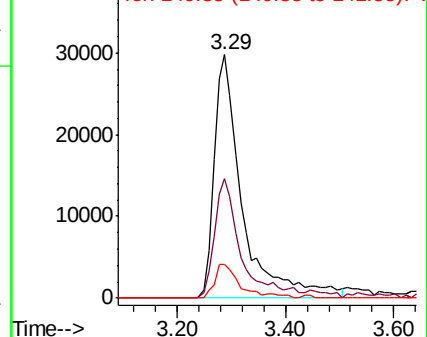
141 13.6 11.4 17.0

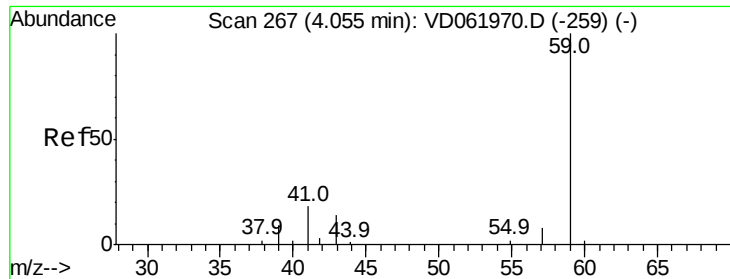


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

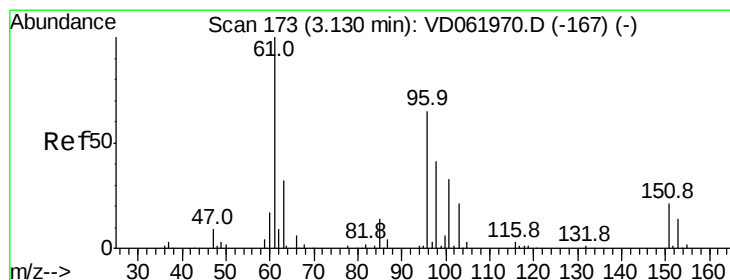
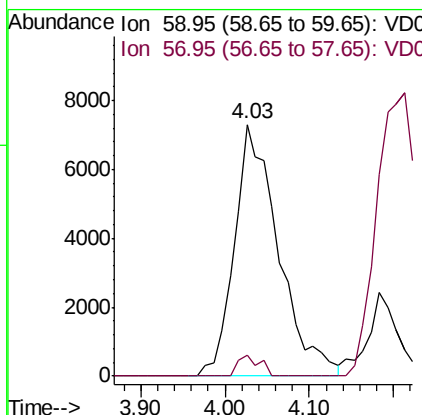
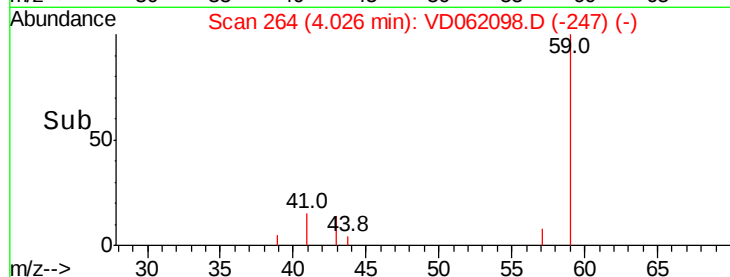
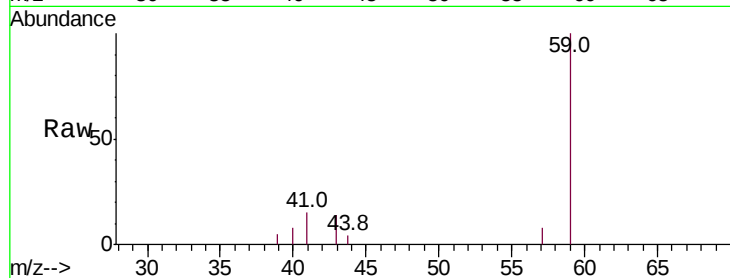




#11
Tert butyl alcohol
Concen: 113.033 ug/l
RT: 4.03 min Scan# 264
Delta R.T. -0.03 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

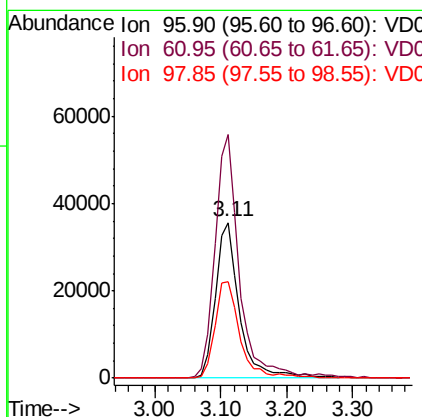
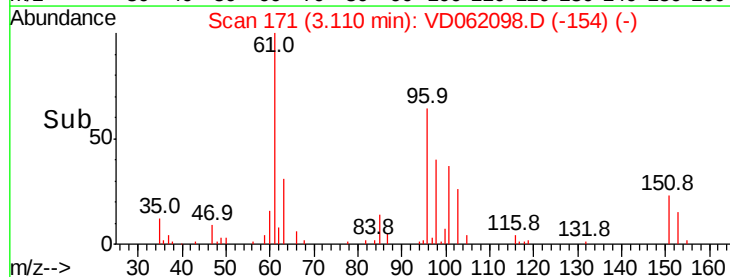
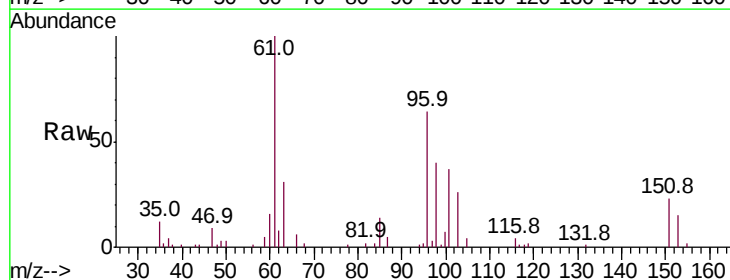
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

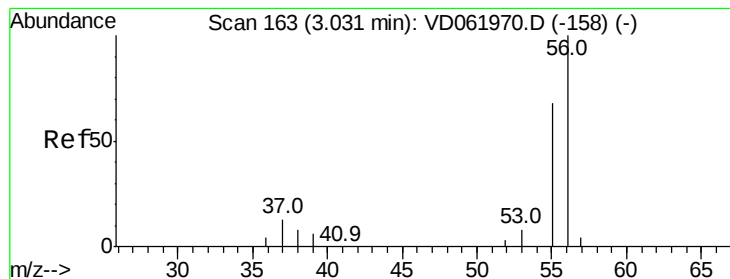
Tot Ion: 59 Resp: 26667
Ion Ratio Lower Upper
59 100
57 8.3 6.9 10.3



#12
1,1-Dichloroethene
Concen: 20.502 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.03 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 96 Resp: 89157
Ion Ratio Lower Upper
96 100
61 156.4 129.8 194.8
98 62.1 51.2 76.8





#13

Acrolein

Concen: 89.025 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

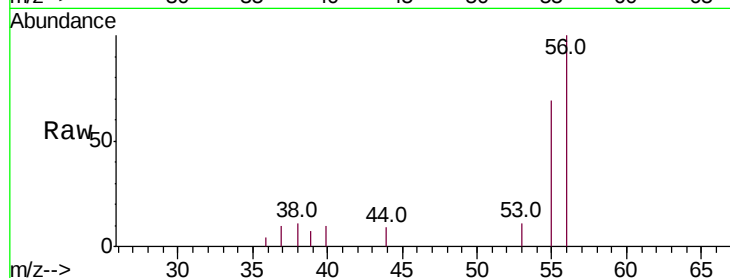
VD0501SBS01

Tot Ion: 56 Resp: 21792

Ion Ratio Lower Upper

56 100

55 69.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

8000

6000

4000

2000

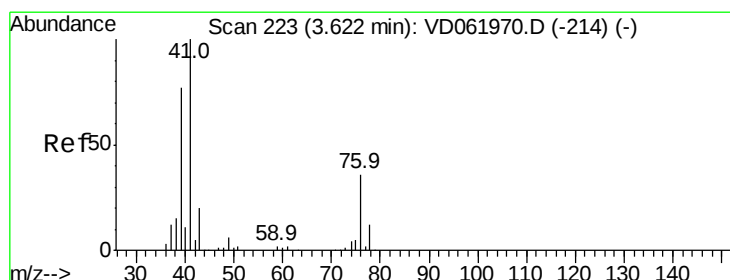
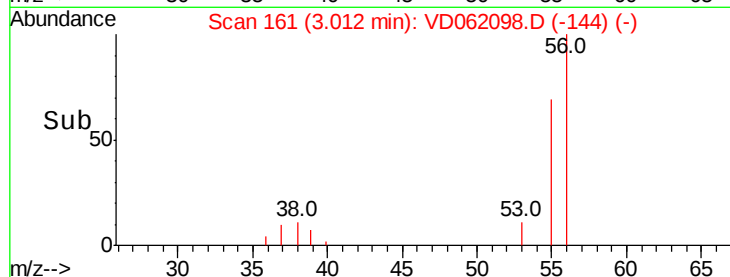
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 20.841 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

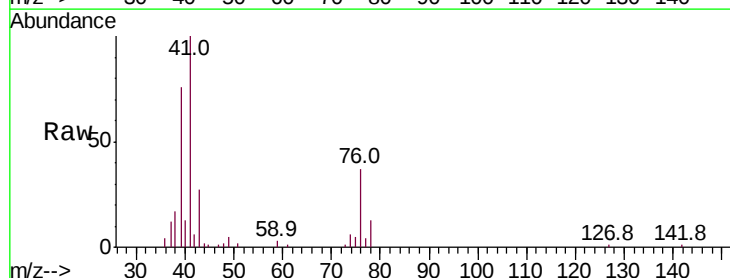
Tgt Ion: 41 Resp: 123758

Ion Ratio Lower Upper

41 100

39 76.4 60.5 90.7

76 36.6 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.60

50000

40000

30000

20000

10000

0

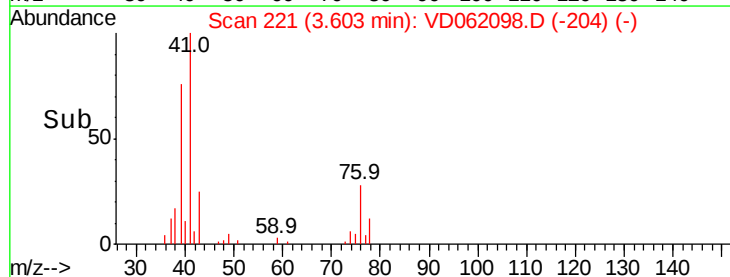
Time-->

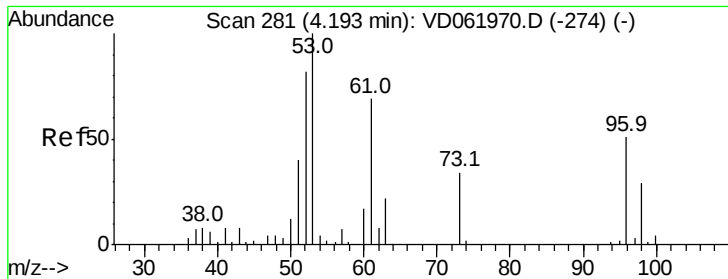
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 99.184 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

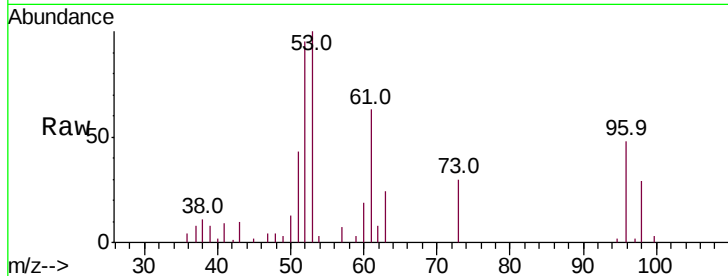
Tot Ion: 53 Resp: 72458

Ion Ratio Lower Upper

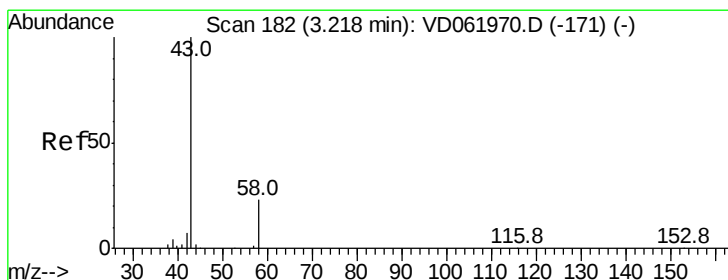
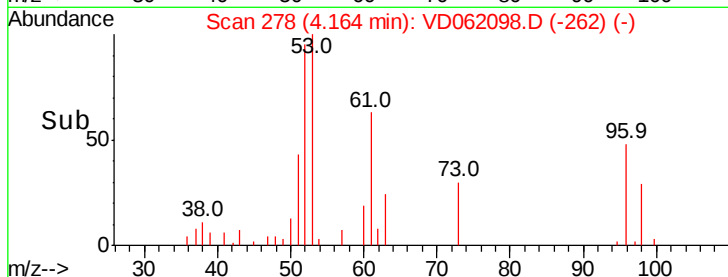
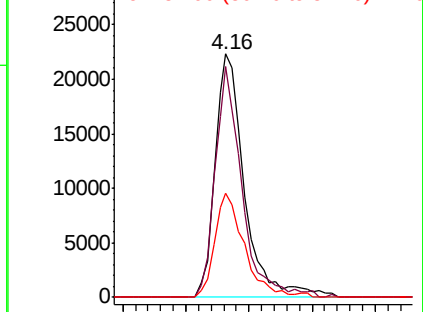
53 100

52 94.6 65.0 97.4

51 43.0 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 103.924 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD062098.D

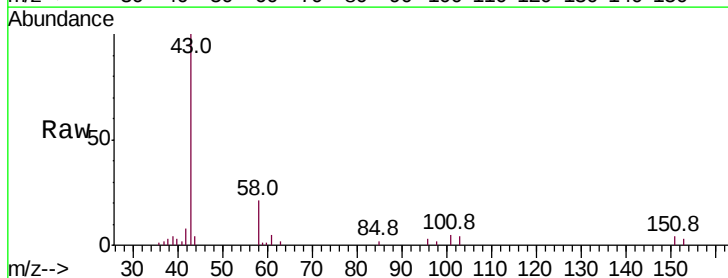
Acq: 1 May 2019 13:04

Tgt Ion: 43 Resp: 103613

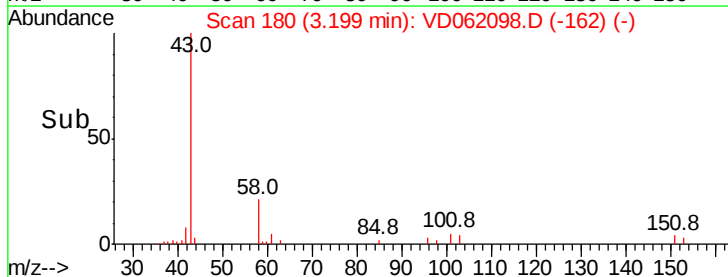
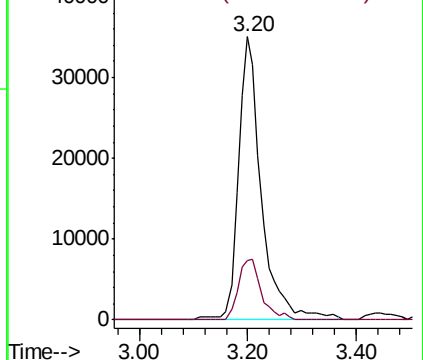
Ion Ratio Lower Upper

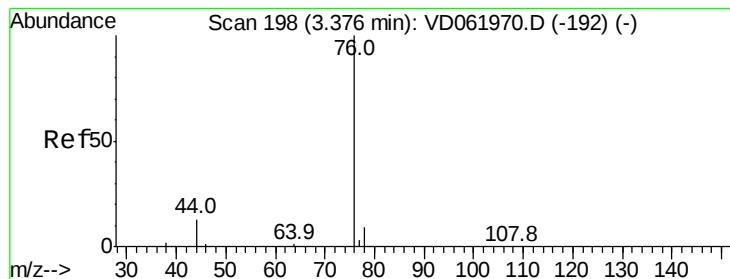
43 100

58 20.8 19.9 29.9



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





#17

Carbon Disulfide

Concen: 17.808 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

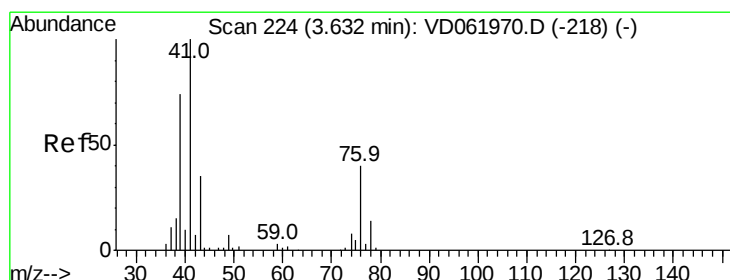
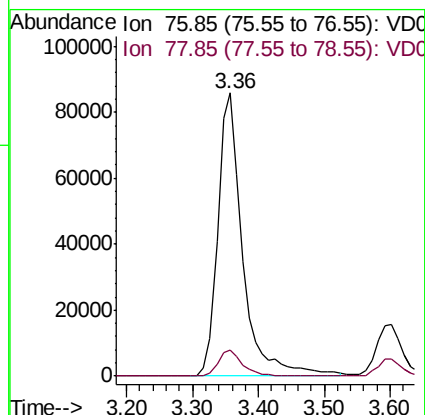
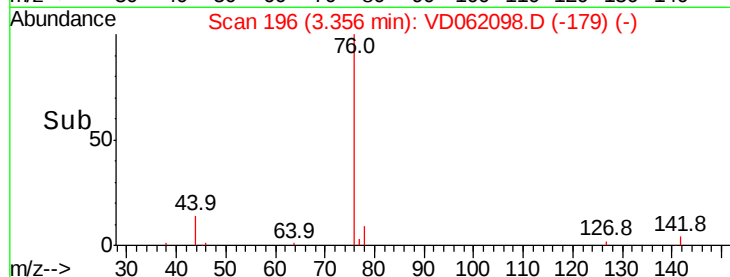
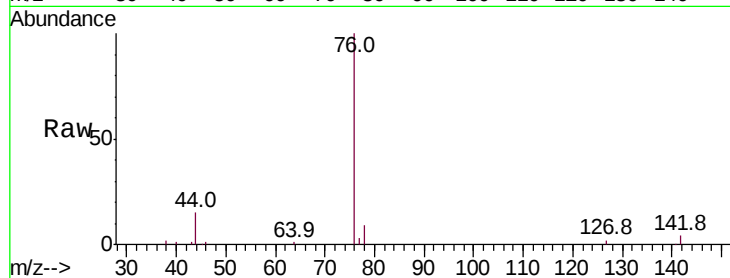
VD0501SBS01

Tot Ion: 76 Resp: 223788

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 22.461 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062098.D

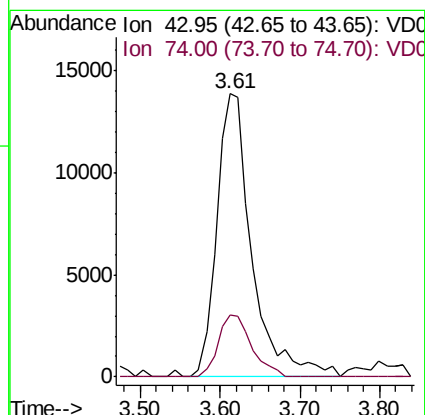
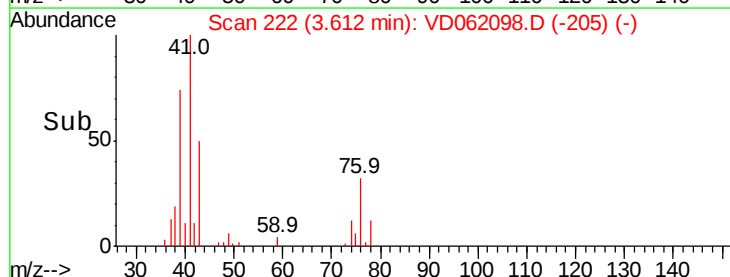
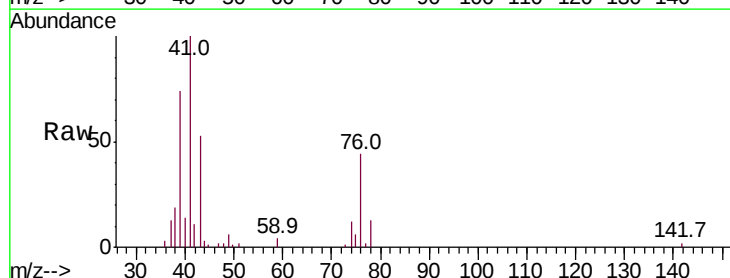
Acq: 1 May 2019 13:04

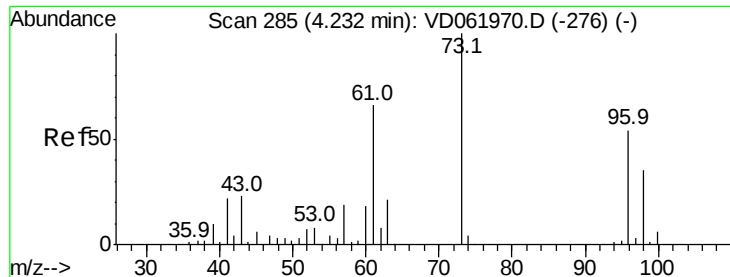
Tgt Ion: 43 Resp: 42767

Ion Ratio Lower Upper

43 100

74 21.8 18.0 27.0



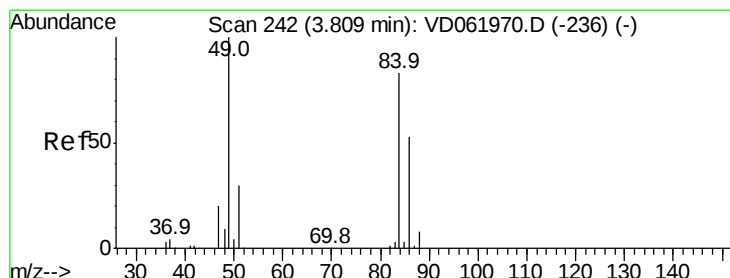
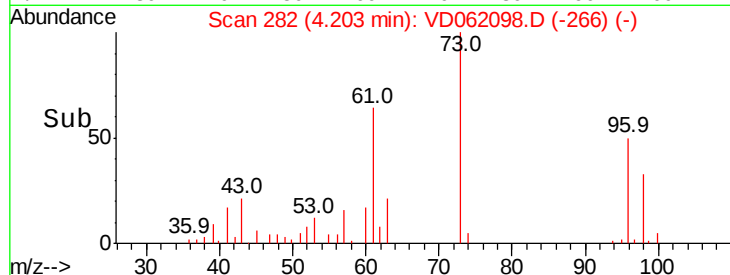
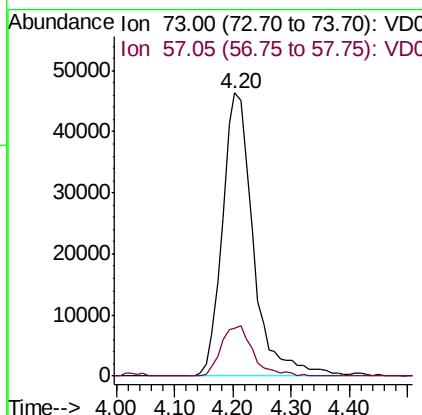
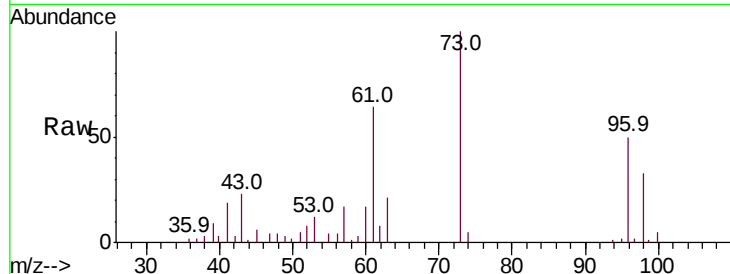


#19

Methyl tert-butyl Ether
 Concen: 19.762 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. -0.04 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0501SBS01

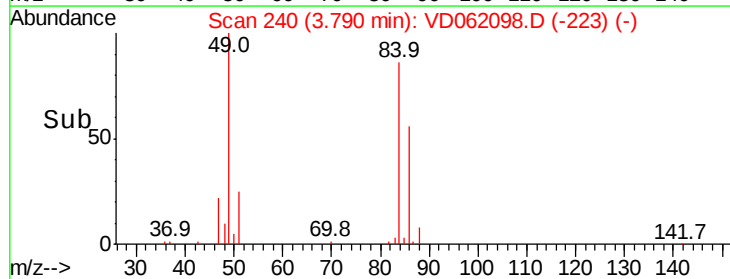
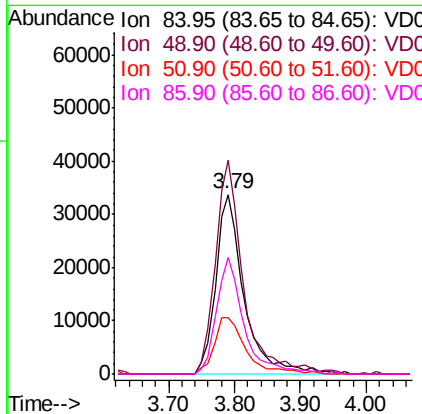
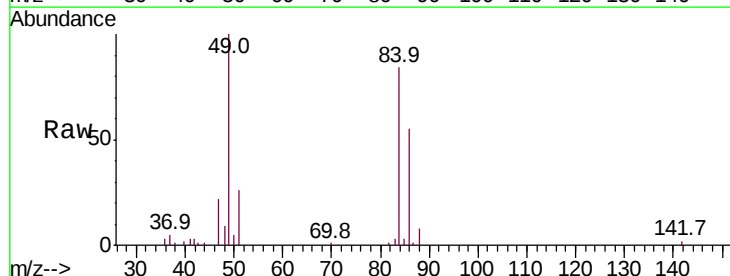
Tot Ion: 73 Resp: 170511
 Ion Ratio Lower Upper
 73 100
 57 17.0 16.3 24.5

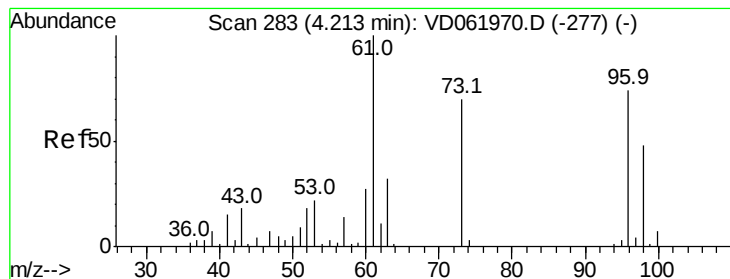


#20

Methylene Chloride
 Concen: 18.507 ug/l
 RT: 3.79 min Scan# 240
 Delta R.T. -0.03 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion: 84 Resp: 99577
 Ion Ratio Lower Upper
 84 100
 49 118.8 94.0 141.0
 51 31.2 29.0 43.4
 86 65.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.021 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

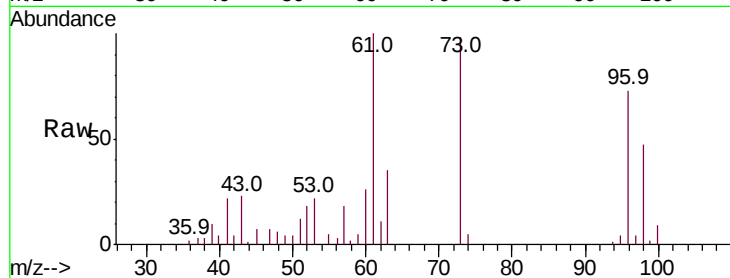
Tot Ion: 96 Resp: 94891

Ion Ratio Lower Upper

96 100

61 136.8 104.4 156.6

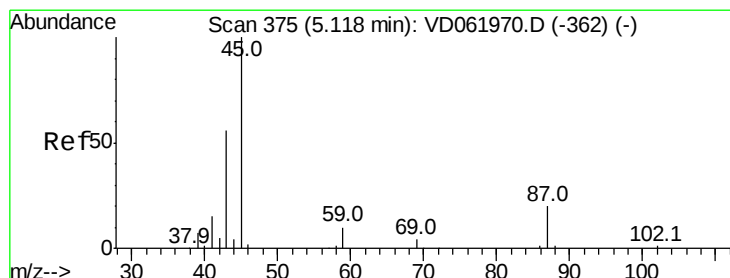
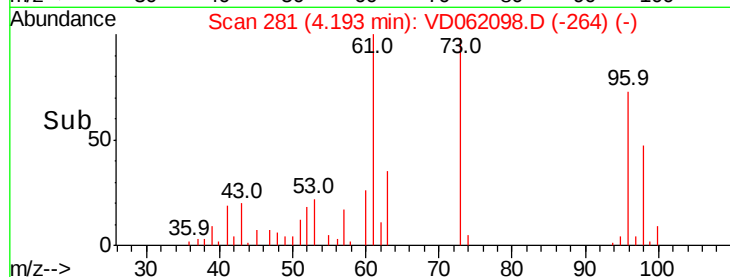
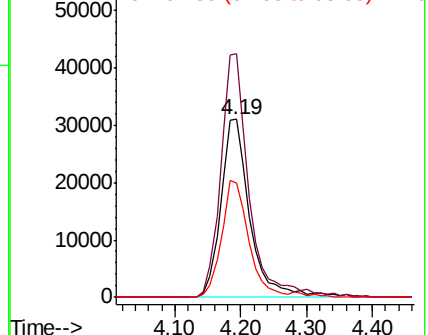
98 63.9 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.467 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Tgt Ion: 45 Resp: 269884

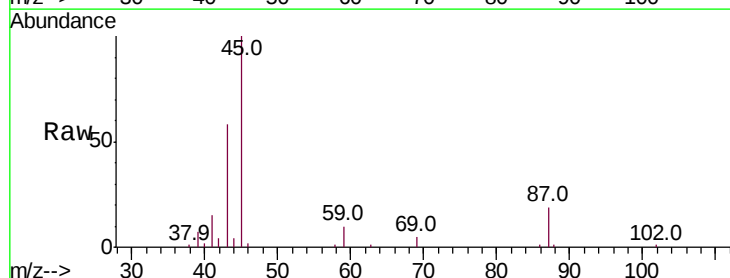
Ion Ratio Lower Upper

45 100

43 57.7 46.2 69.2

87 19.3 15.9 23.9

59 10.2 7.9 11.9

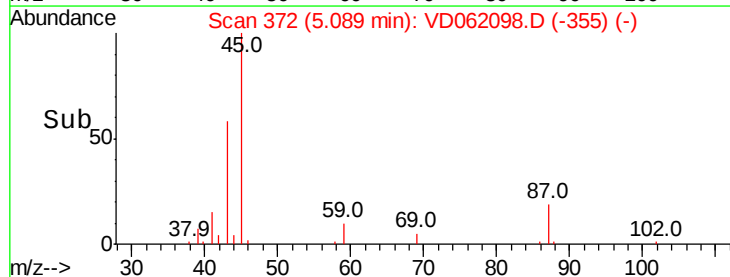
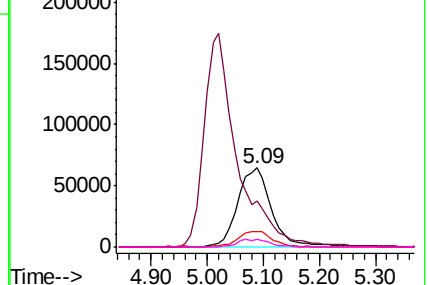


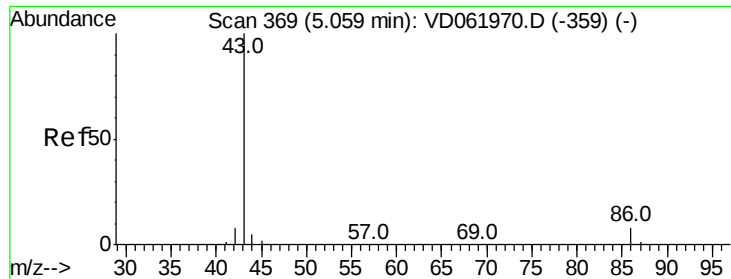
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 99.221 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

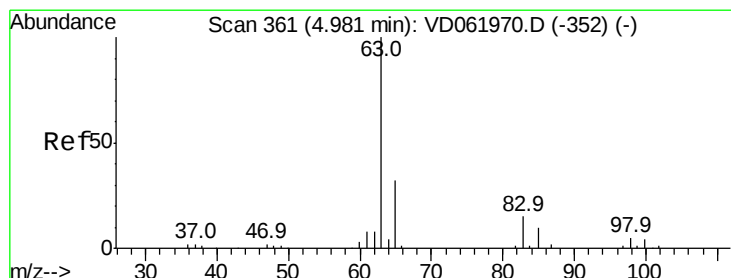
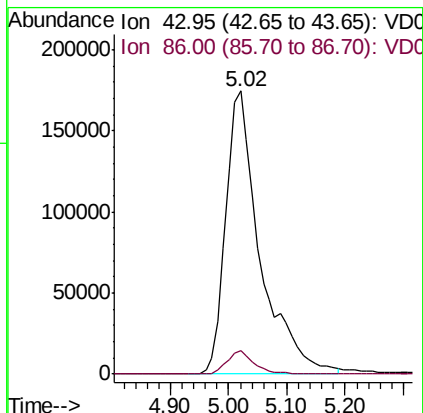
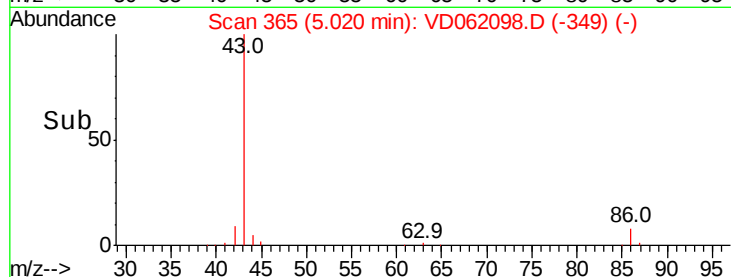
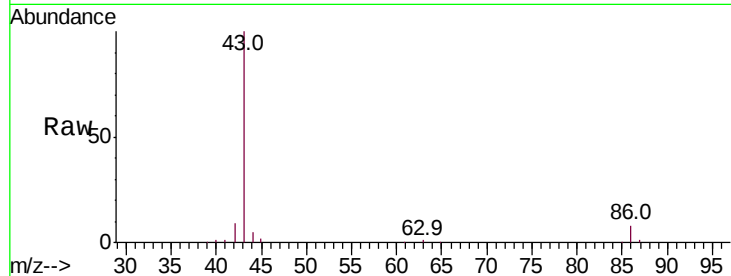
VD0501SBS01

Tot Ion: 43 Resp: 716363

Ion Ratio Lower Upper

43 100

86 8.5 6.4 9.6



#24

1,1-Dichloroethane

Concen: 20.037 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

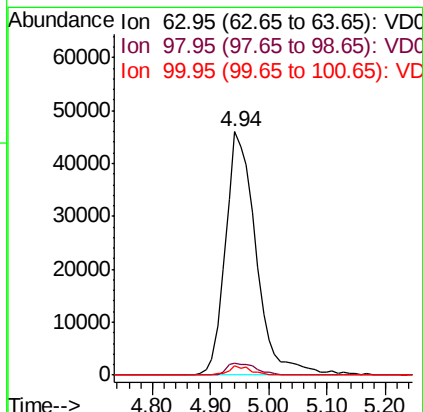
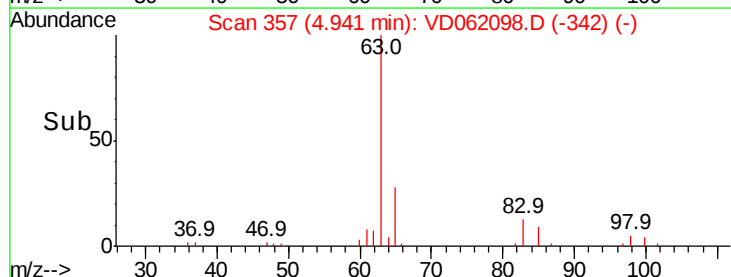
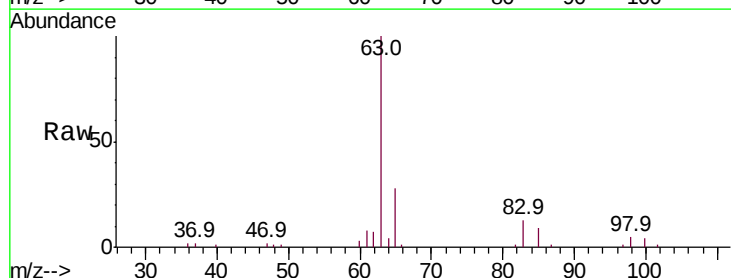
Tgt Ion: 63 Resp: 167903

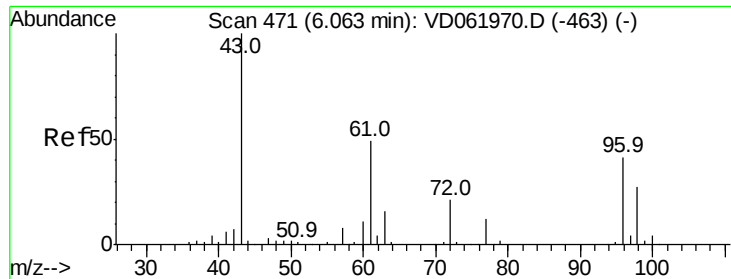
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

100 3.9 1.8 5.5

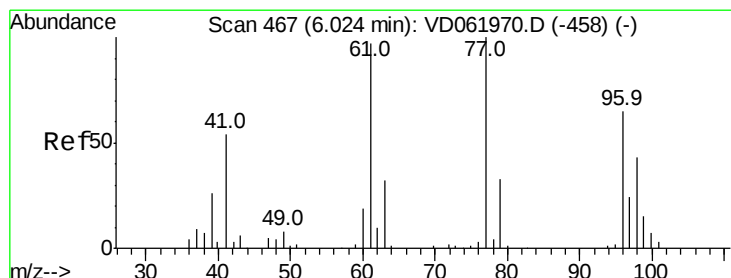
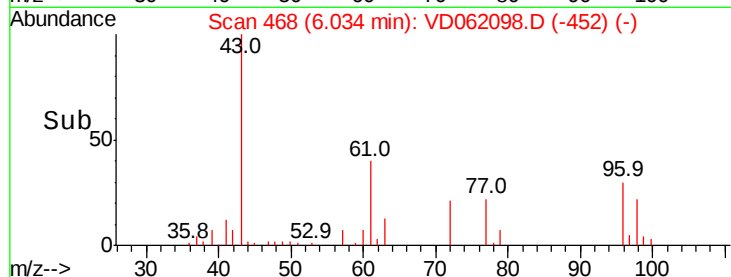
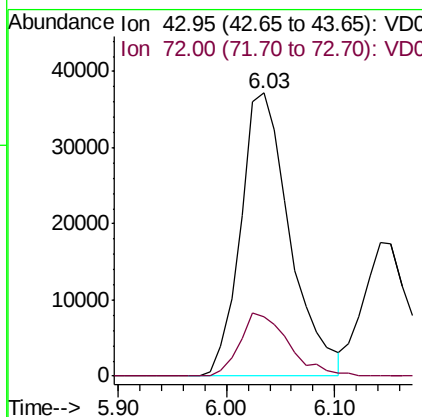
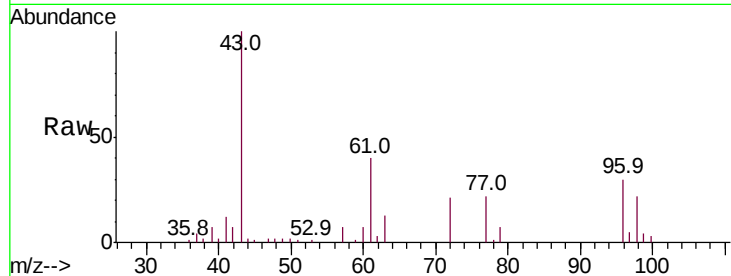




#25
2-Butanone
Concen: 97.714 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.04 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

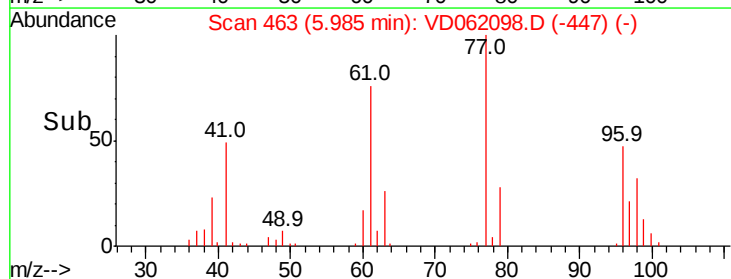
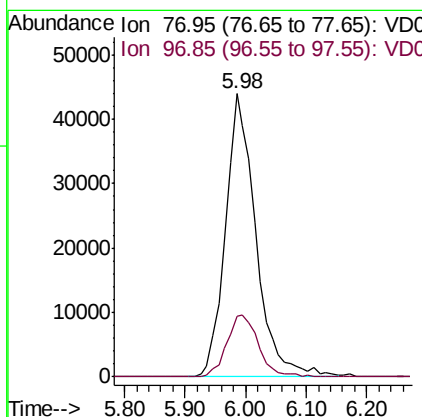
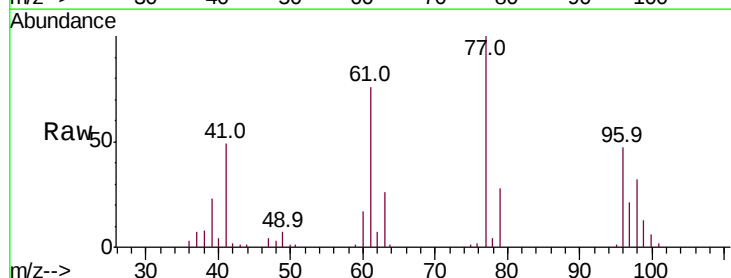
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

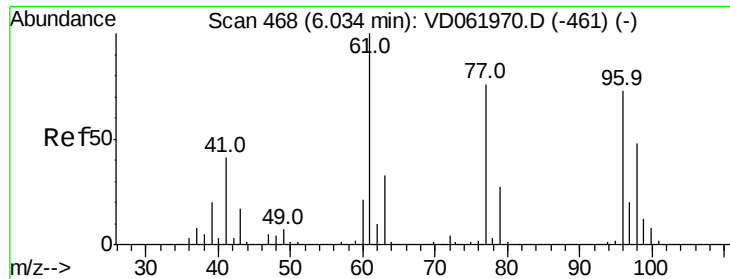
Tot Ion: 43 Resp: 118116
Ion Ratio Lower Upper
43 100
72 21.0 16.2 24.4



#26
2,2-Dichloropropane
Concen: 20.932 ug/l
RT: 5.98 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 77 Resp: 153016
Ion Ratio Lower Upper
77 100
97 21.3 11.9 35.9



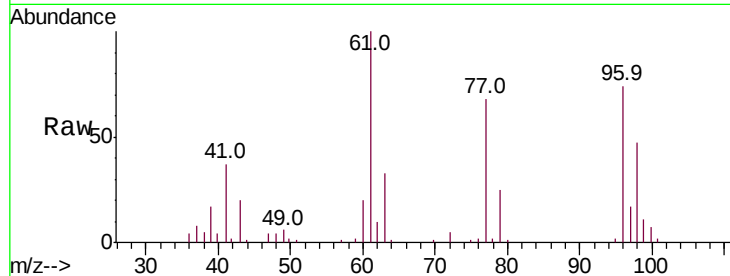


#27

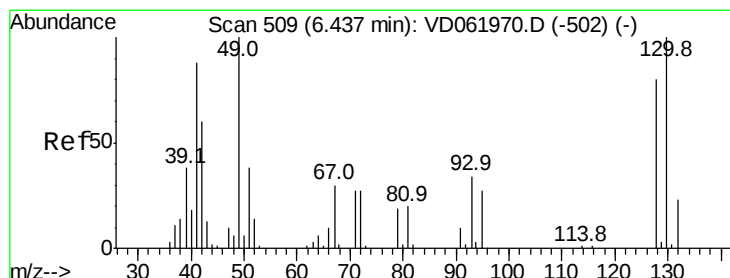
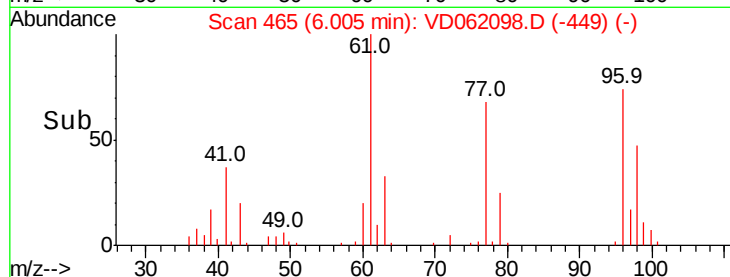
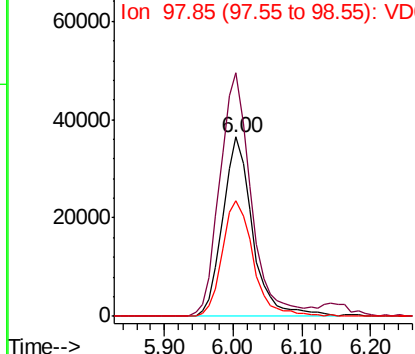
cis-1,2-Dichloroethene
 Concen: 19.364 ug/l
 RT: 6.00 min Scan# 465
 Delta R.T. -0.04 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Tot Ion: 96 Resp: 109897
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 279.8
 98 64.3 0.0 136.0



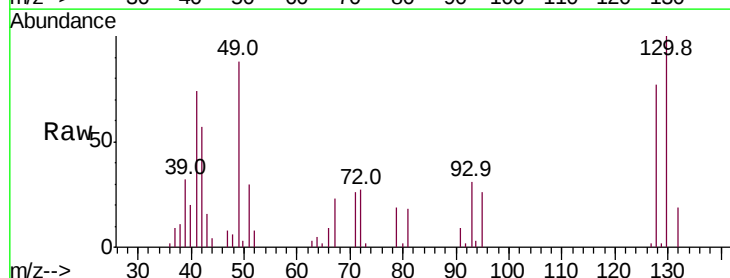
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



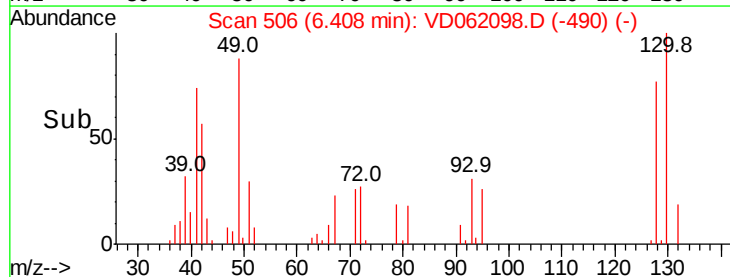
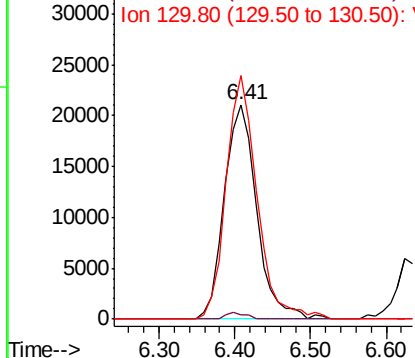
#28

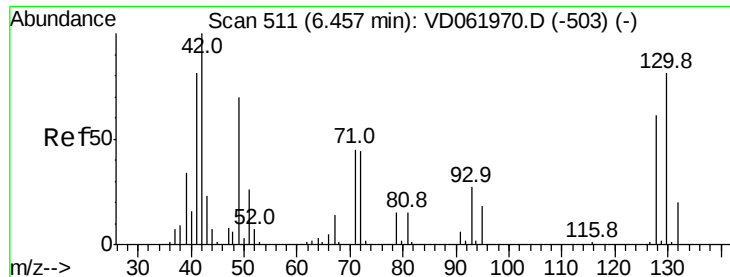
Bromochloromethane
 Concen: 19.499 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion: 49 Resp: 62517
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 6.6
 130 113.6 86.7 130.1



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: 92.256 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

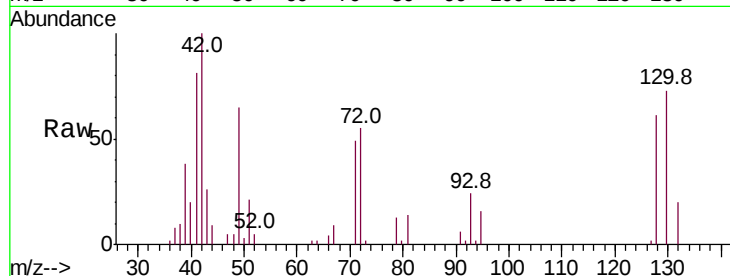
Tot Ion: 42 Resp: 54948

Ion Ratio Lower Upper

42 100

72 50.9 37.8 56.6

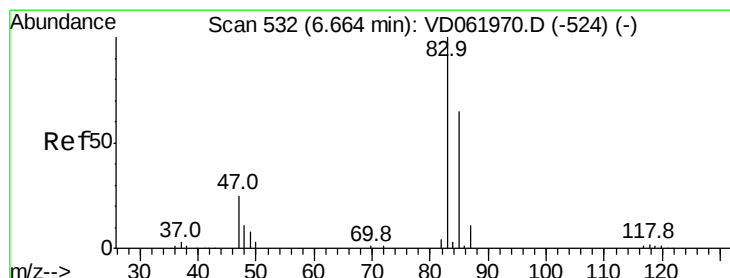
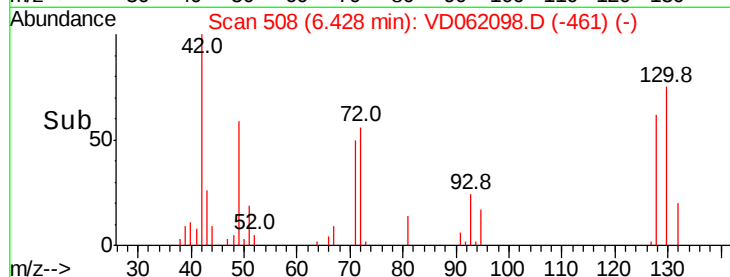
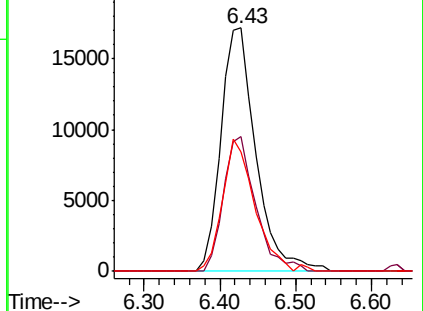
71 49.5 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.981 ug/l

RT: 6.63 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062098.D

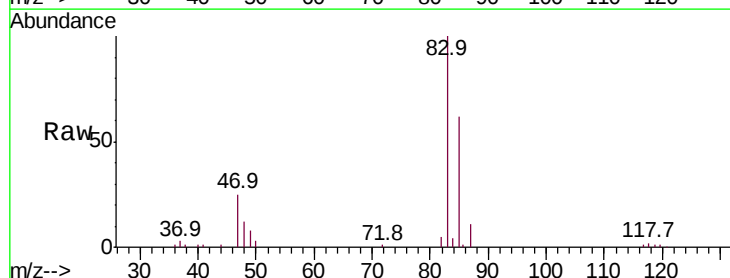
Acq: 1 May 2019 13:04

Tgt Ion: 83 Resp: 199694

Ion Ratio Lower Upper

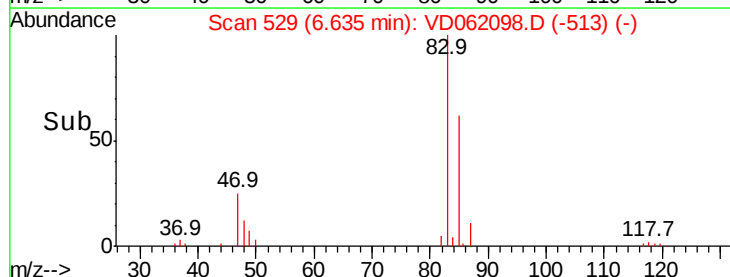
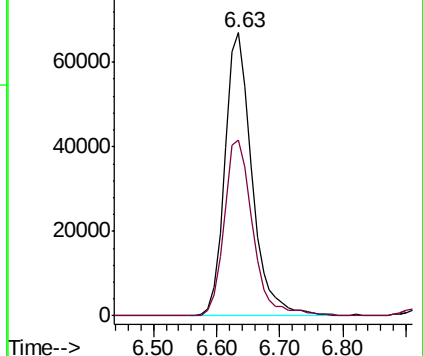
83 100

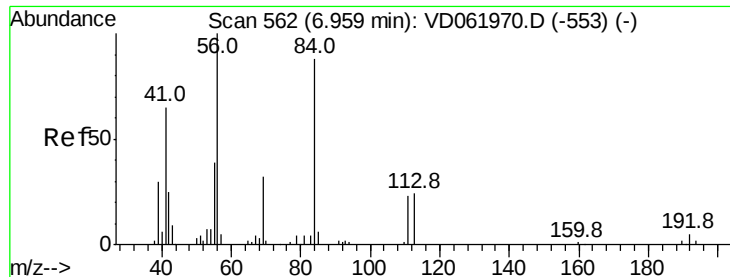
85 62.3 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.745 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

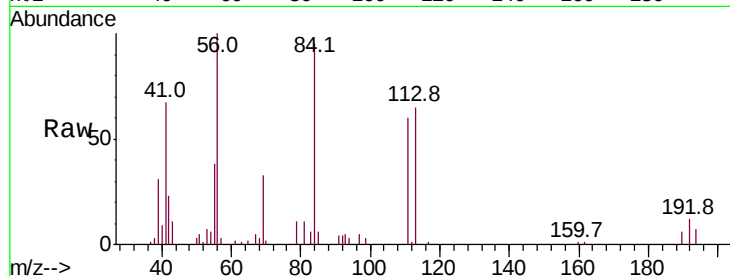
Tot Ion: 56 Resp: 110366

Ion Ratio Lower Upper

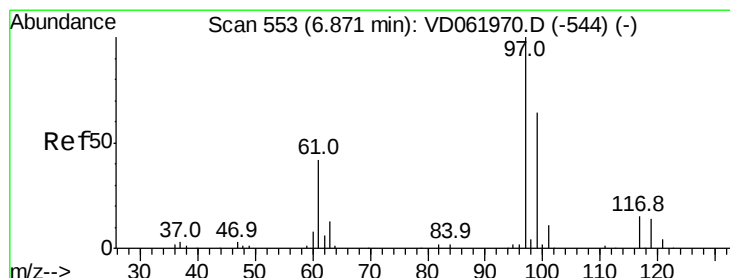
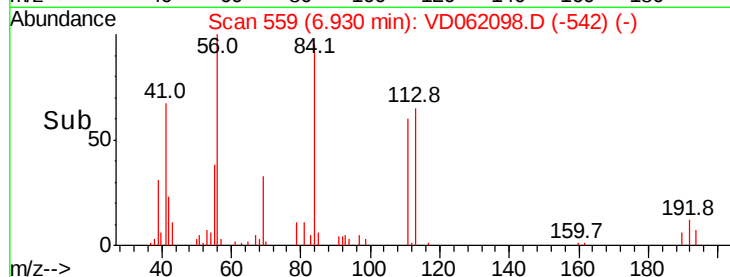
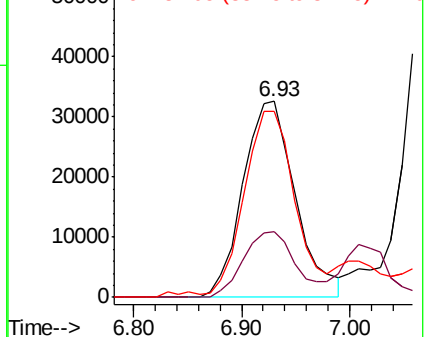
56 100

69 33.3 25.8 38.6

84 95.1 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 20.451 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

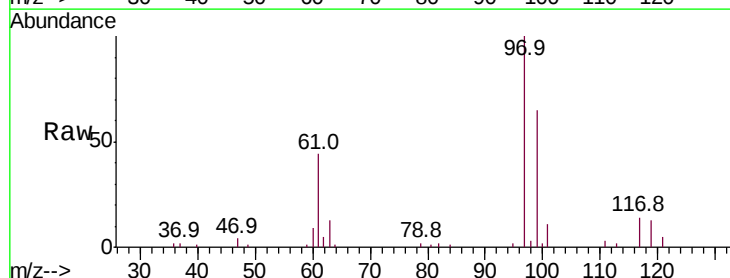
Tgt Ion: 97 Resp: 169355

Ion Ratio Lower Upper

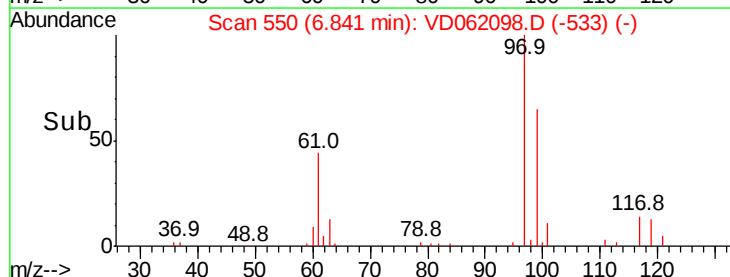
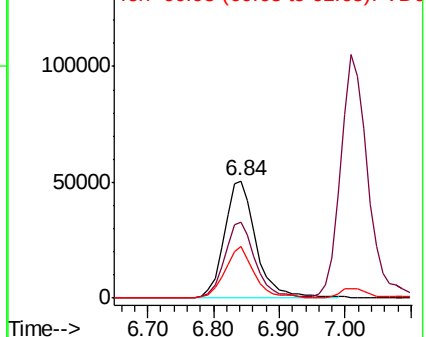
97 100

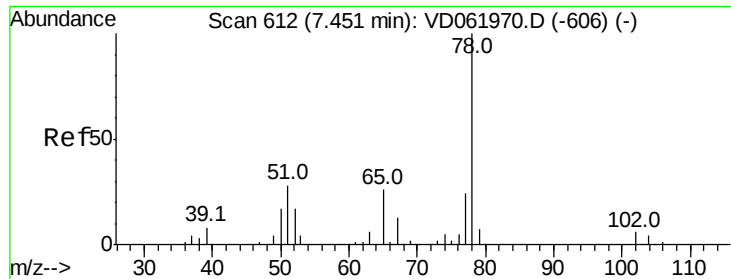
99 64.7 52.2 78.2

61 43.8 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 56.875 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

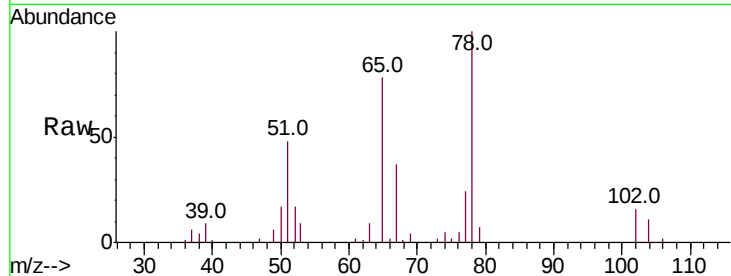
VD0501SBS01

Tot Ion: 65 Resp: 237487

Ion Ratio Lower Upper

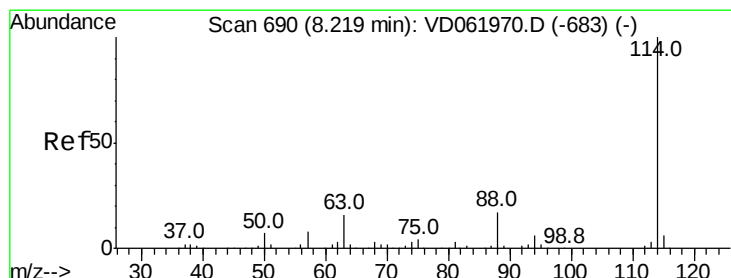
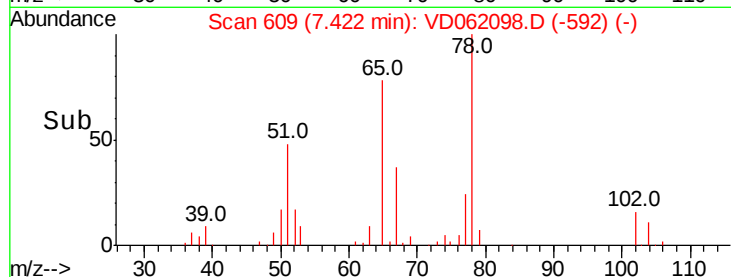
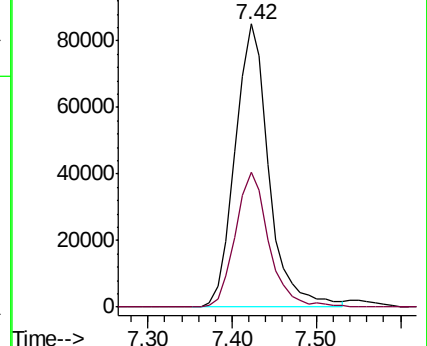
65 100

67 47.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

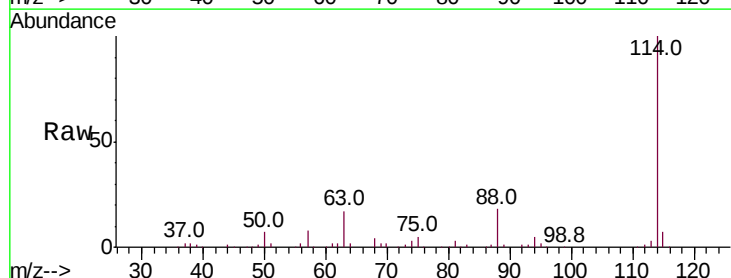
Tgt Ion:114 Resp: 840881

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

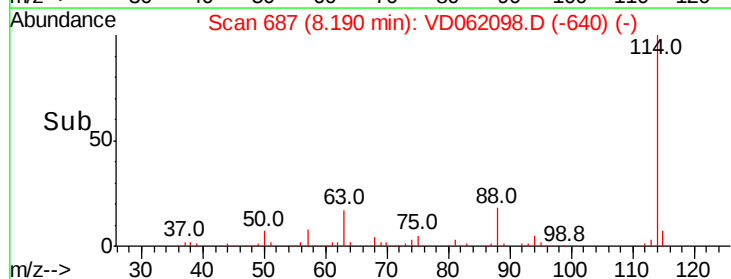
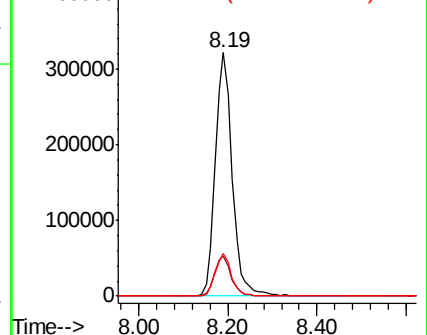
88 17.7 0.0 33.6

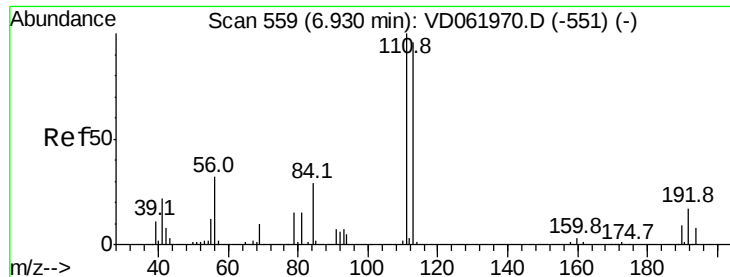


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

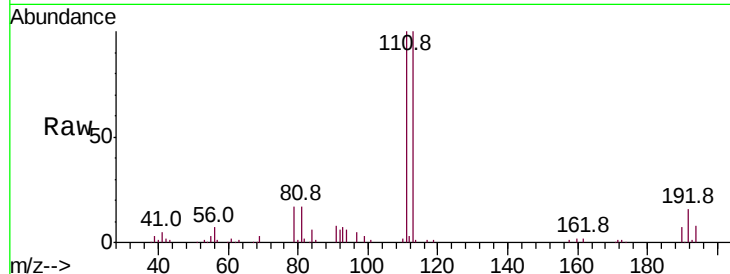




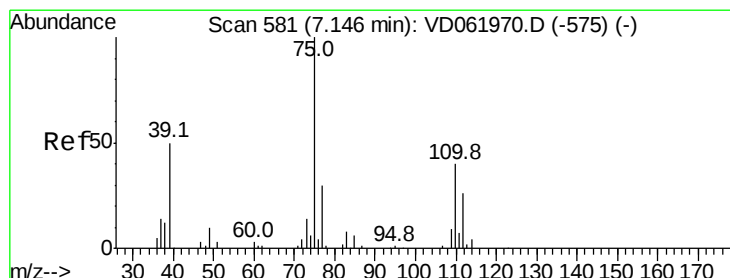
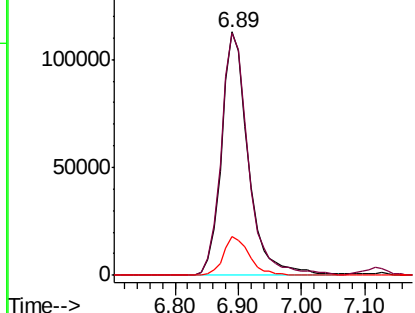
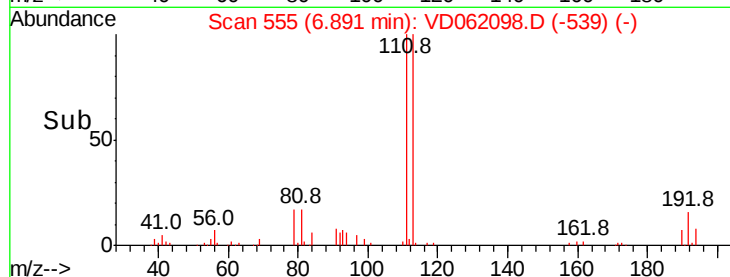
#35
 Dibromofluoromethane
 Concen: 57.105 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	78.5	117.7
192	15.7	13.0	19.4

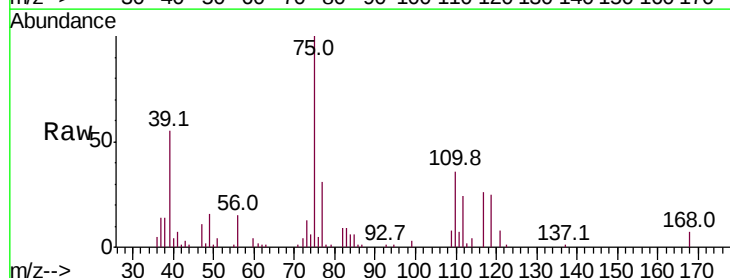


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

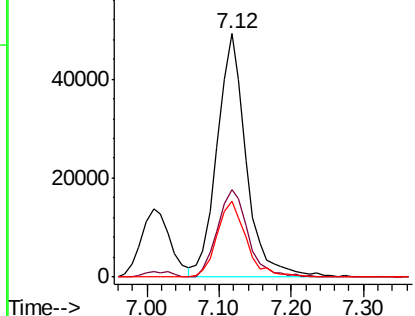
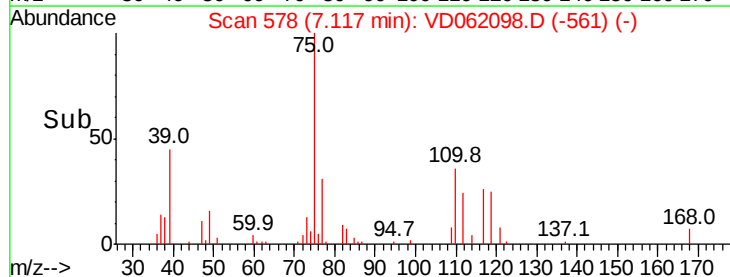


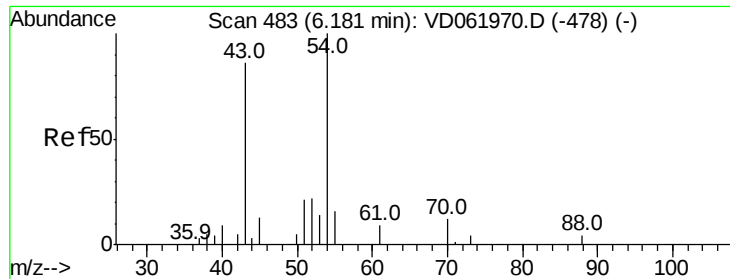
#36
 1,1-Dichloropropene
 Concen: 20.970 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	19.1	57.1
77	31.3	25.6	38.4



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: 20.939 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

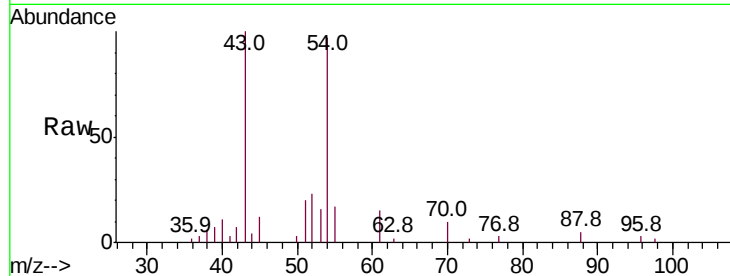
Tot Ion: 43 Resp: 58456

Ion Ratio Lower Upper

43 100

61 14.8 14.7 22.1

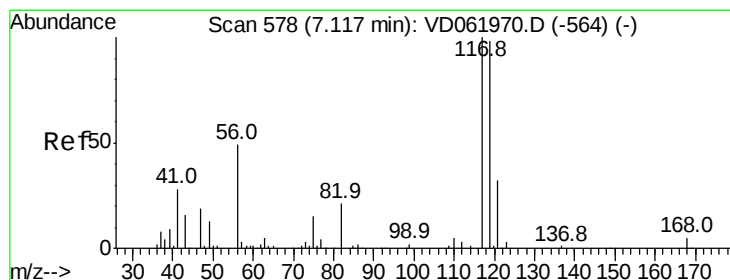
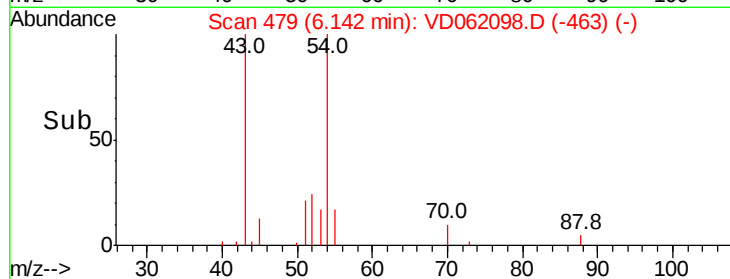
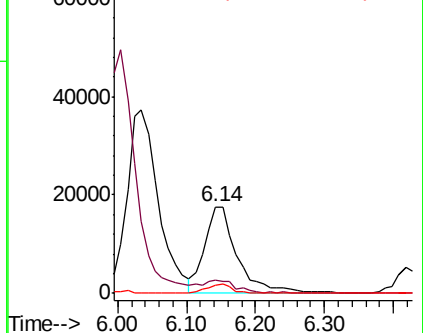
70 9.8 7.8 11.6



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: 20.535 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

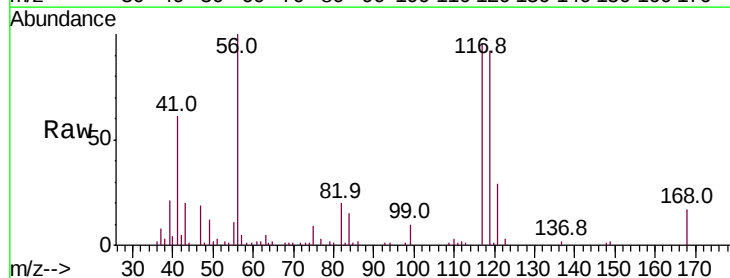
Tgt Ion: 117 Resp: 170473

Ion Ratio Lower Upper

117 100

119 96.0 75.8 113.8

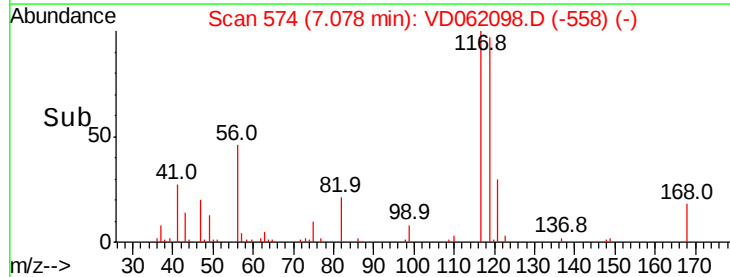
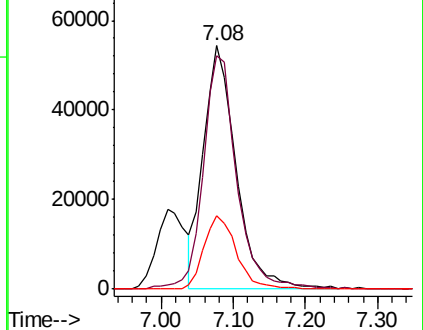
121 30.3 25.9 38.9

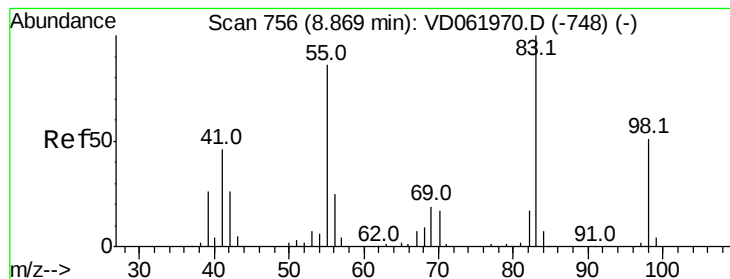


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 18.797 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

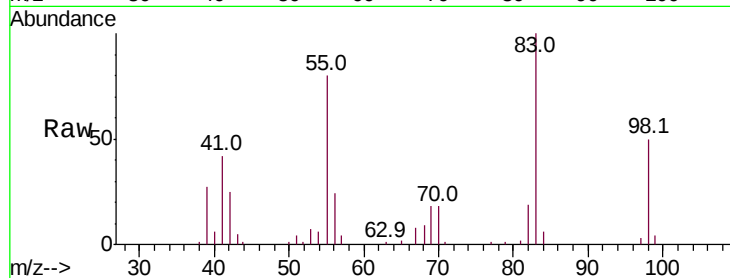
Tot Ion: 83 Resp: 121497

Ion Ratio Lower Upper

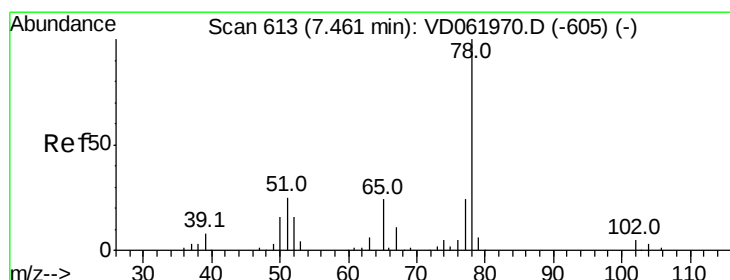
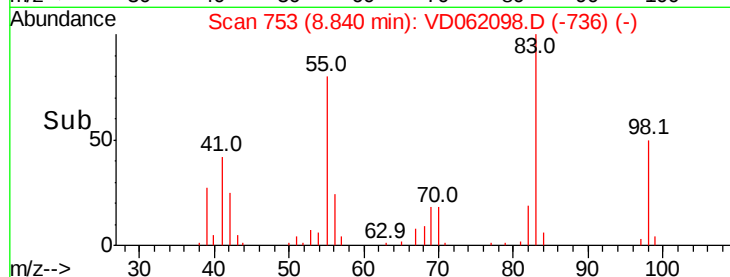
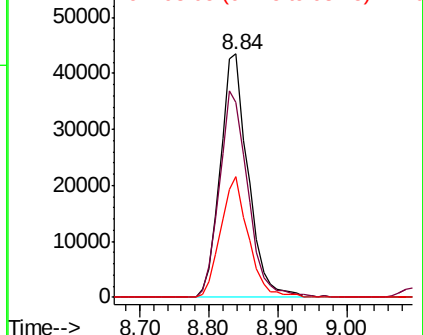
83 100

55 80.2 68.2 102.4

98 49.8 38.2 57.4



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: 19.222 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062098.D

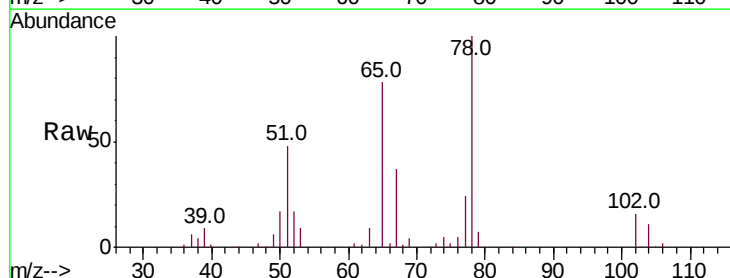
Acq: 1 May 2019 13:04

Tgt Ion: 78 Resp: 311768

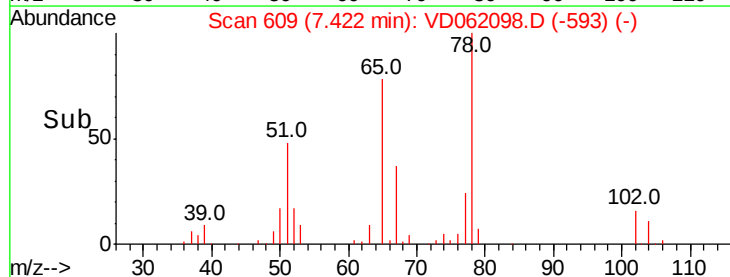
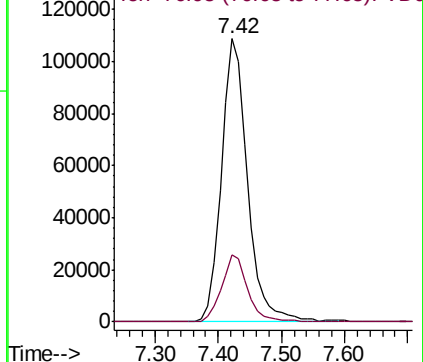
Ion Ratio Lower Upper

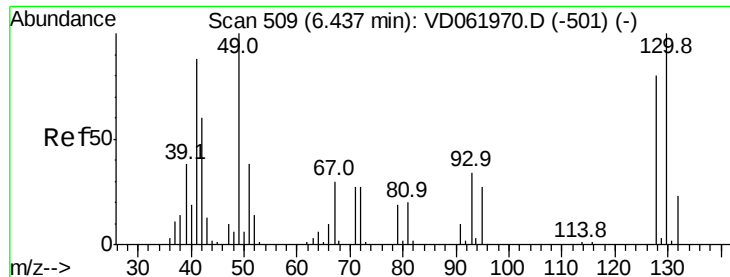
78 100

77 23.8 19.7 29.5



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

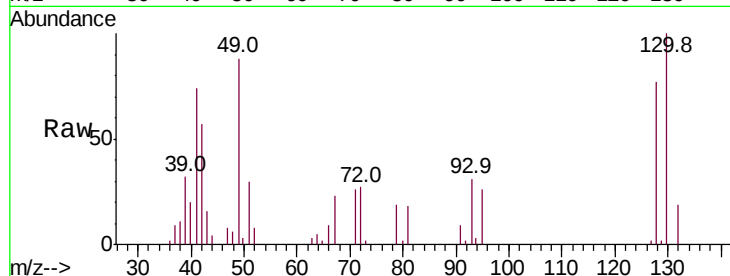




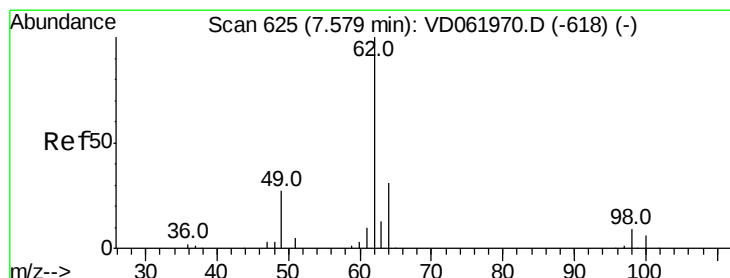
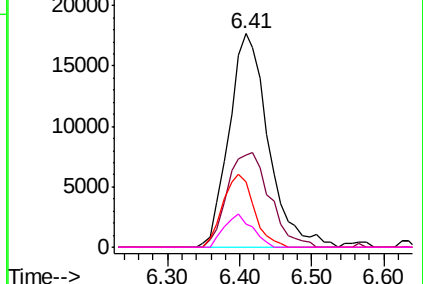
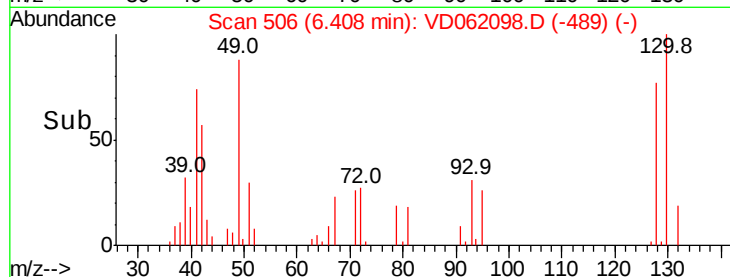
#41
Methacrylonitrile
Concen: 20.665 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.03 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Tot Ion: 41 Resp: 67314
Ion Ratio Lower Upper
41 100
39 43.3 34.1 51.1
67 30.7 23.8 35.6
52 11.0 8.8 13.2

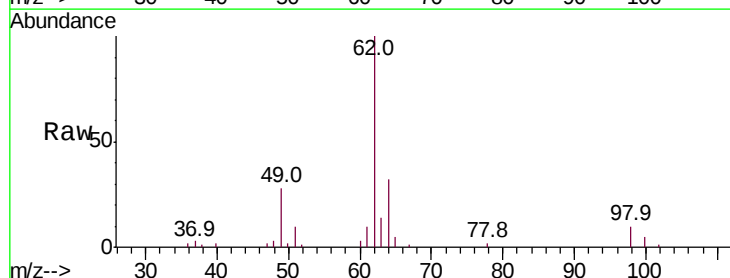


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

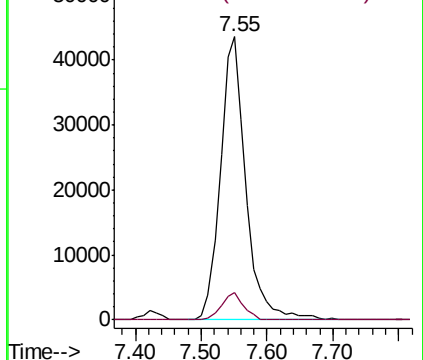
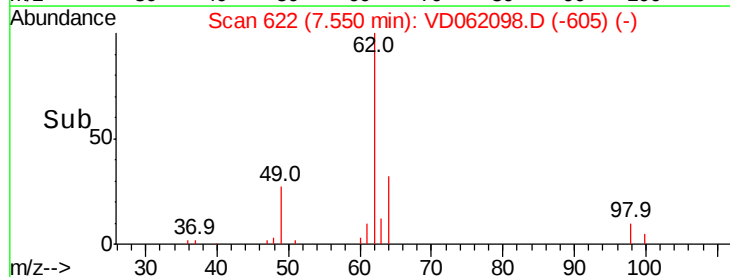


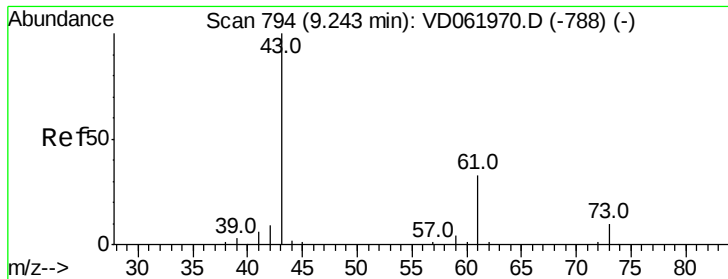
#42
1,2-Dichloroethane
Concen: 21.236 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 62 Resp: 116943
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.970 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

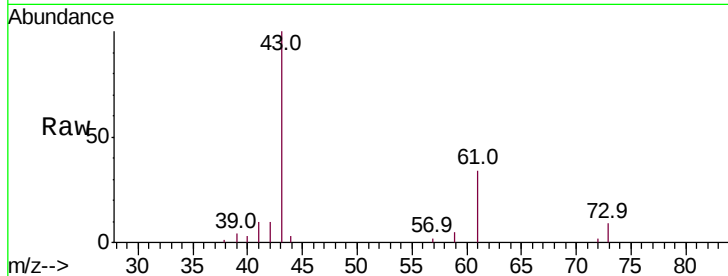
Tot Ion: 43 Resp: 77381

Ion Ratio Lower Upper

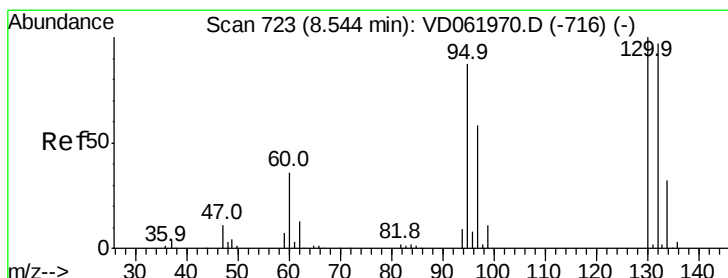
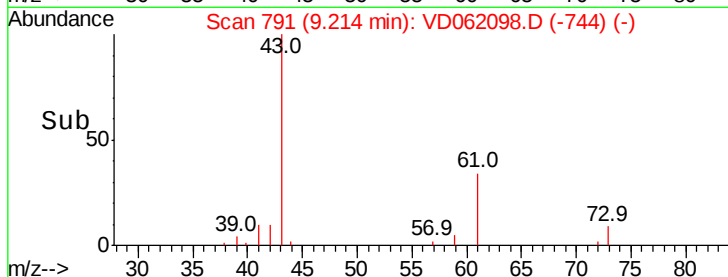
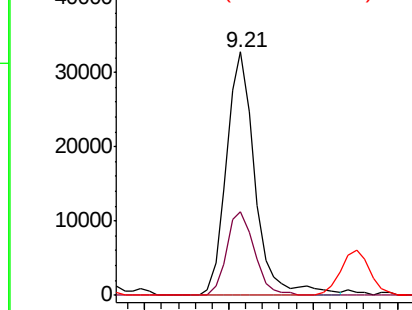
43 100

61 34.1 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 20.473 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.03 min

Lab File: VD062098.D

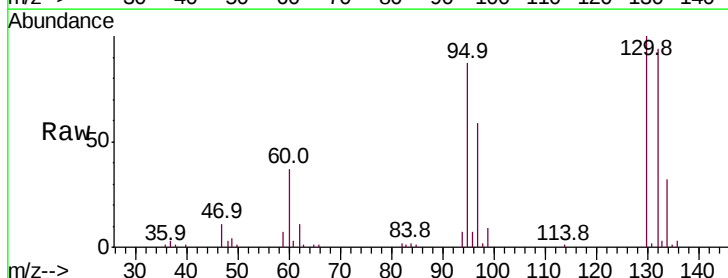
Acq: 1 May 2019 13:04

Tgt Ion:130 Resp: 128732

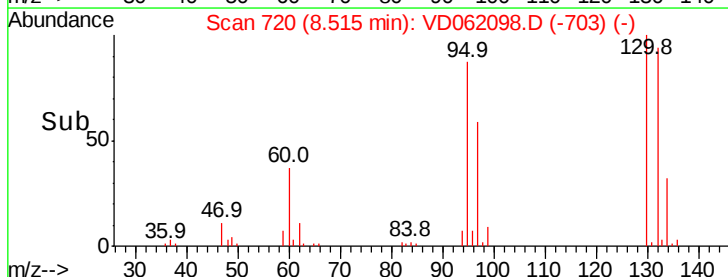
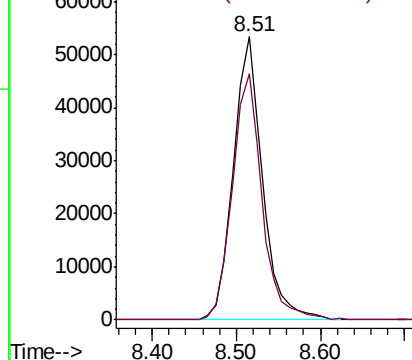
Ion Ratio Lower Upper

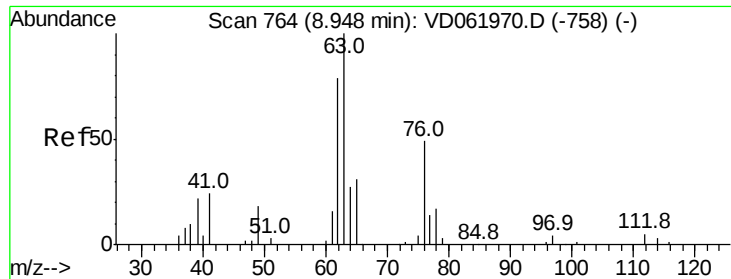
130 100

95 86.9 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 18.689 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

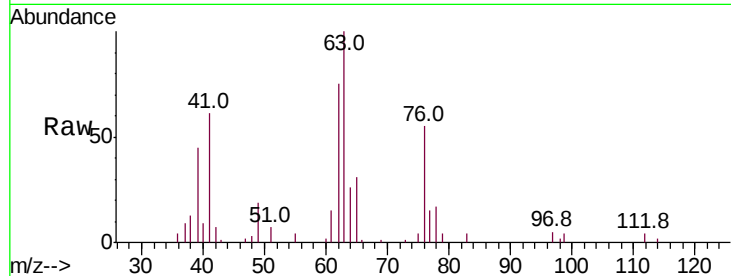
VD0501SBS01

Tot Ion: 63 Resp: 76896

Ion Ratio Lower Upper

63 100

65 30.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

30000

25000

20000

15000

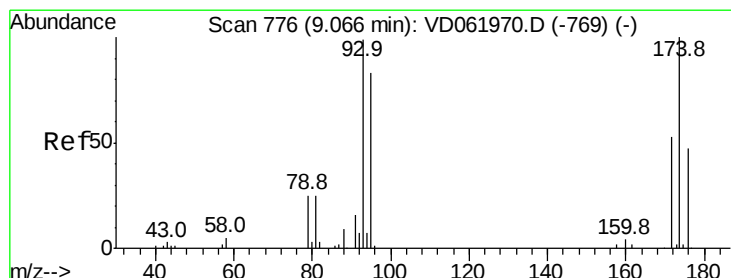
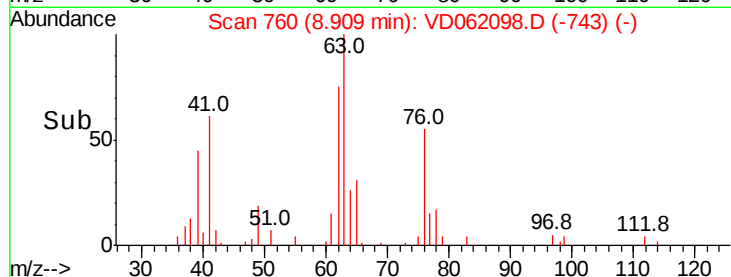
10000

5000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 19.039 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

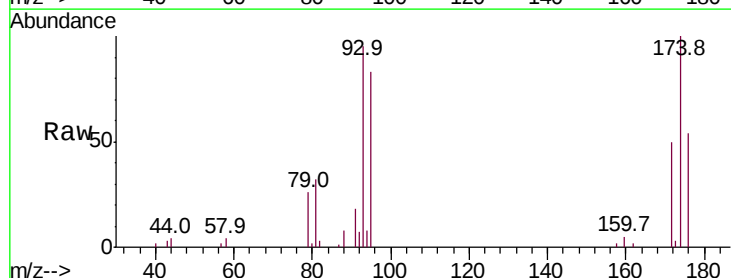
Tgt Ion: 93 Resp: 56369

Ion Ratio Lower Upper

93 100

95 87.0 64.8 97.2

174 104.7 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.04

30000

25000

20000

15000

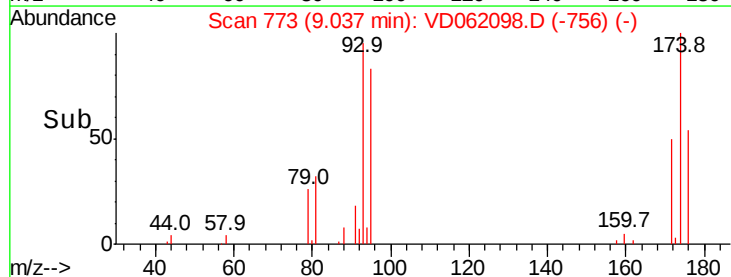
10000

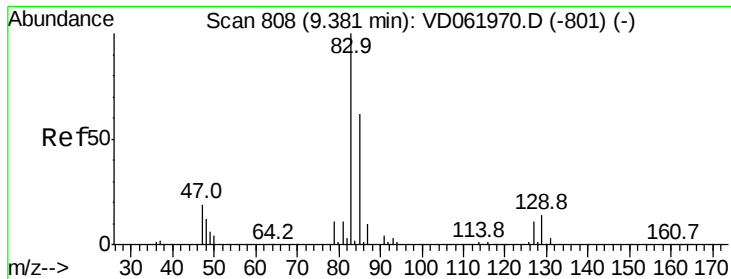
5000

0

Time-->

8.90 9.00 9.10





#47

Bromodichloromethane

Concen: 21.483 ug/l

RT: 9.34 min Scan# 804

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

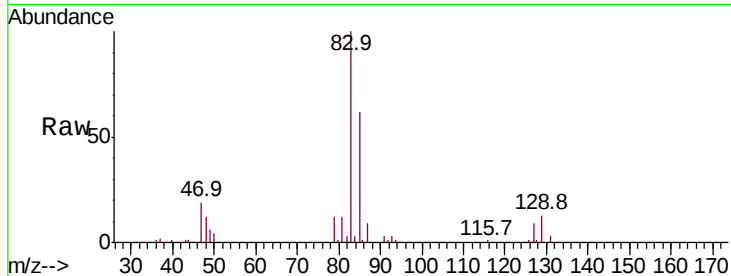
Tot Ion: 83 Resp: 150286

Ion Ratio Lower Upper

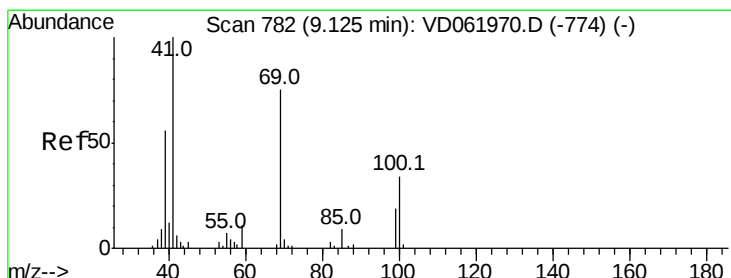
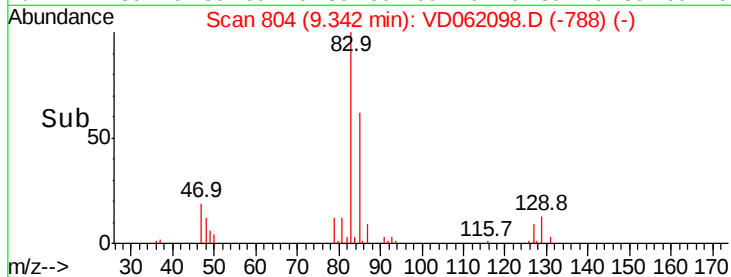
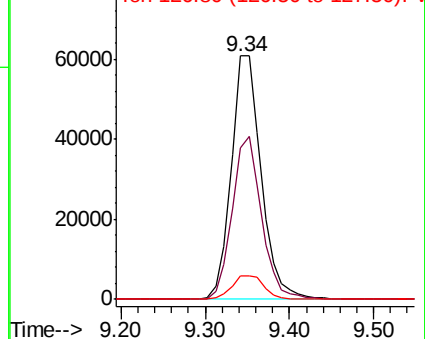
83 100

85 62.3 50.9 76.3

127 9.5 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.536 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.04 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

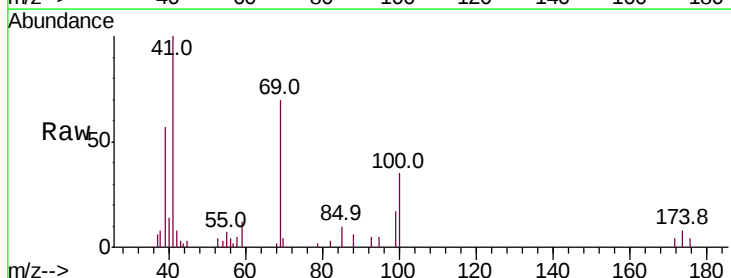
Tgt Ion: 41 Resp: 47795

Ion Ratio Lower Upper

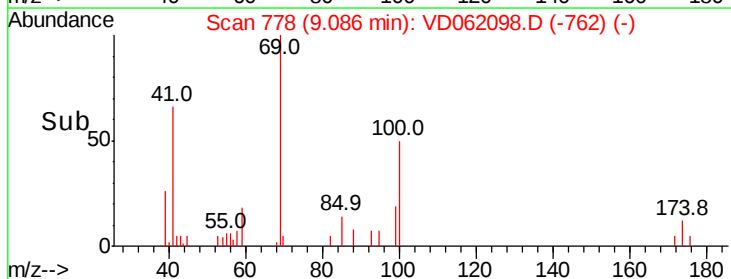
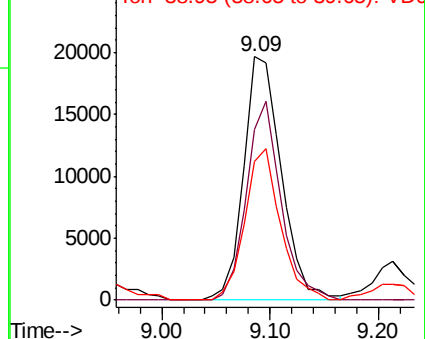
41 100

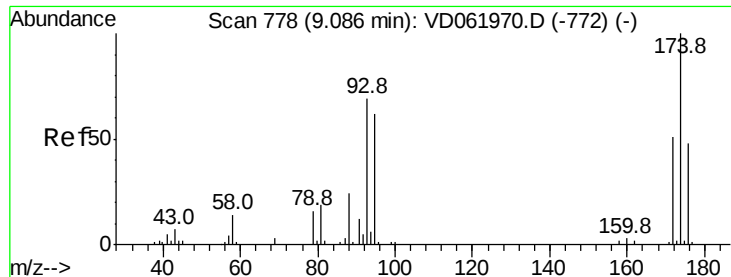
69 70.3 64.2 96.2

39 56.9 46.8 70.2



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

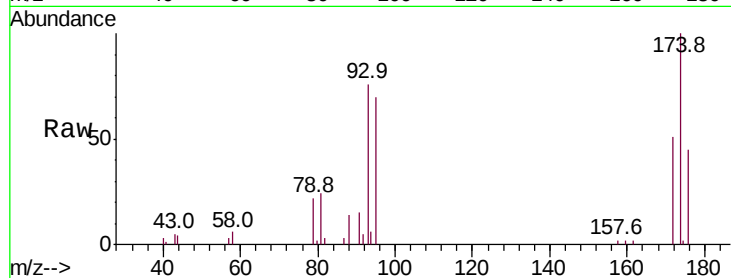




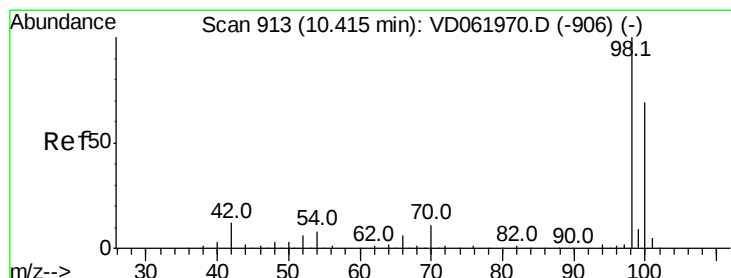
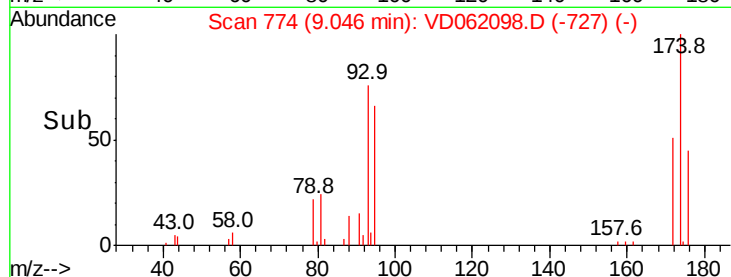
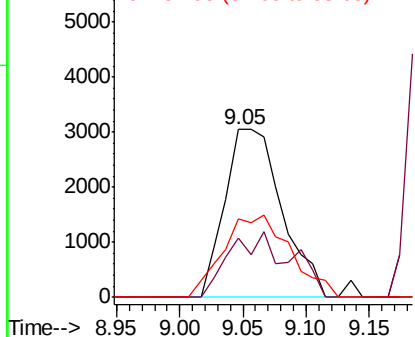
#49
1,4-Dioxane
Concen: 381.993 ug/l
RT: 9.05 min Scan# 774
Delta R.T. -0.03 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Tot Ion: 88 Resp: 9585
Ion Ratio Lower Upper
88 100
43 35.5 23.4 35.0#
58 46.9 44.0 66.0

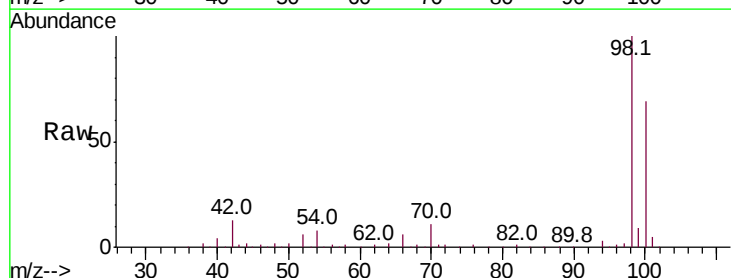


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

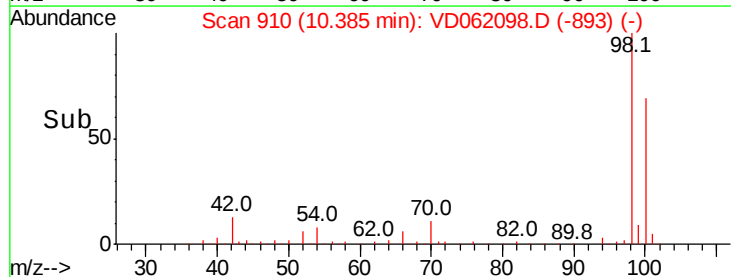
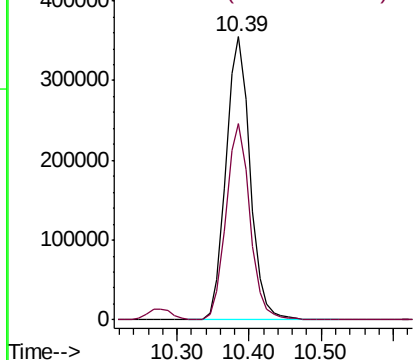


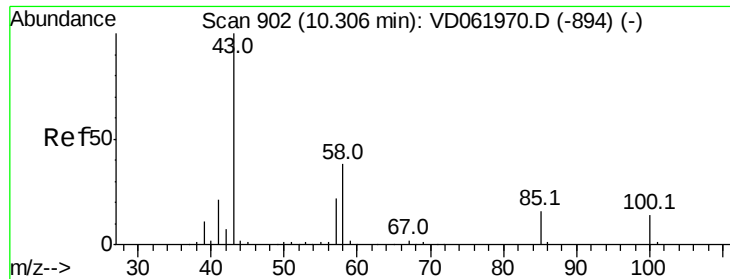
#50
Toluene-d8
Concen: 59.742 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 98 Resp: 826707
Ion Ratio Lower Upper
98 100
100 69.3 53.8 80.8



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: 102.348 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

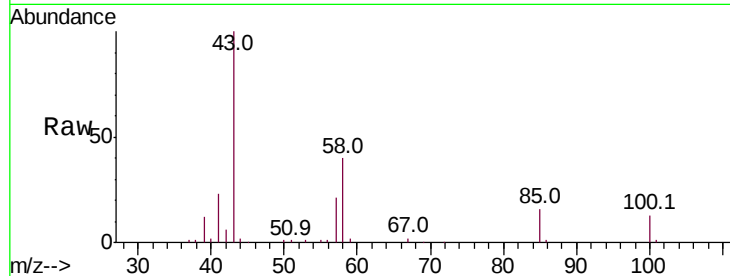
VD0501SBS01

Tot Ion: 43 Resp: 255321

Ion Ratio Lower Upper

43 100

58 40.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

100000

80000

60000

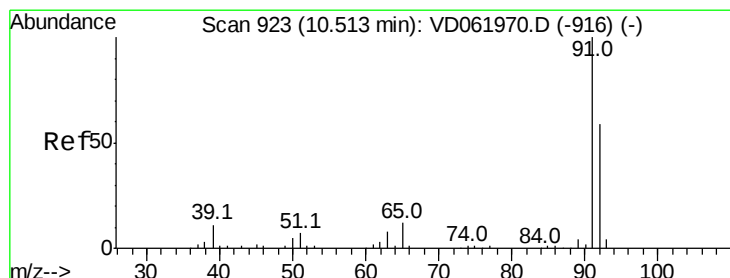
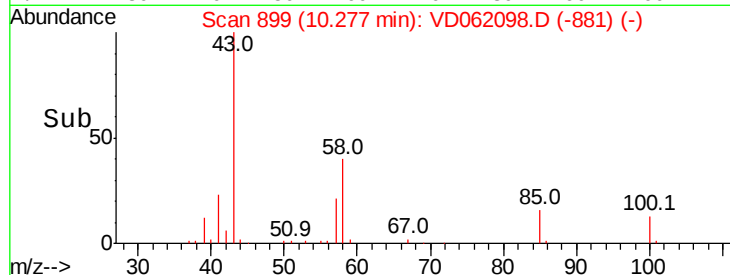
40000

20000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 19.446 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062098.D

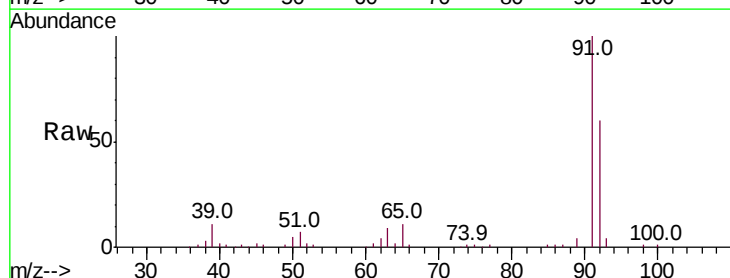
Acq: 1 May 2019 13:04

Tgt Ion: 92 Resp: 201104

Ion Ratio Lower Upper

92 100

91 165.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.48

150000

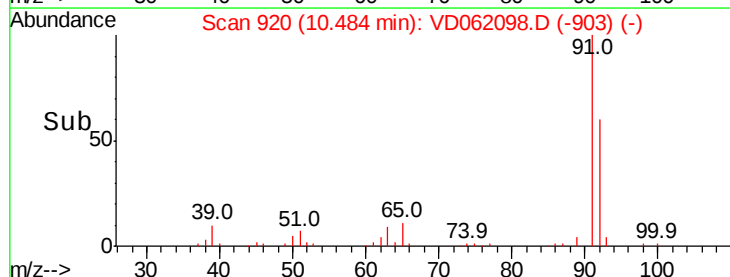
100000

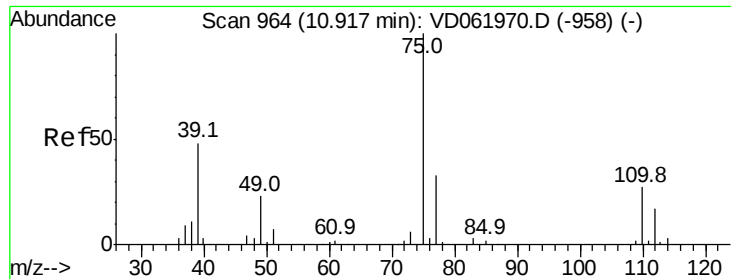
50000

0

Time-->

10.40 10.50 10.60

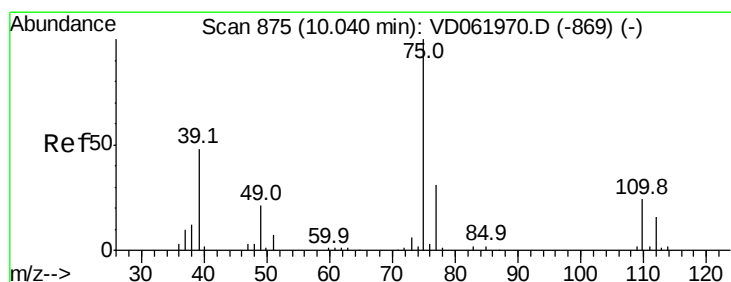
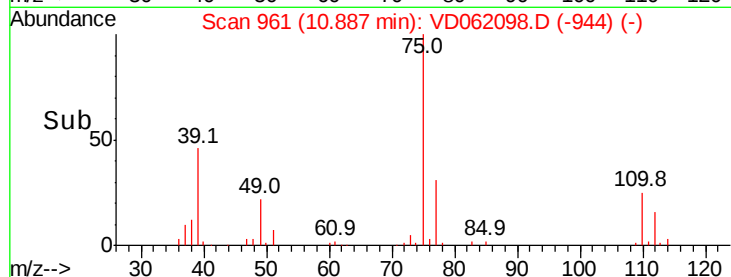
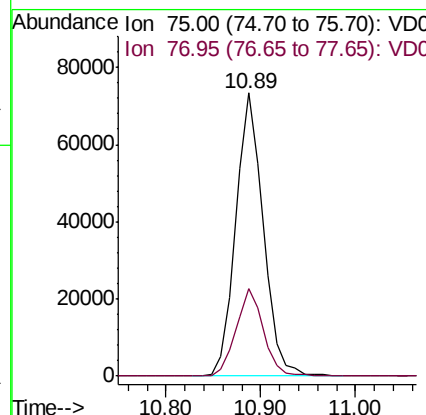
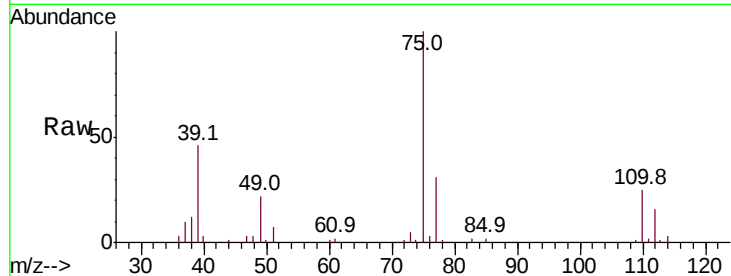




#53
 t-1,3-Dichloropropene
 Concen: 24.992 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

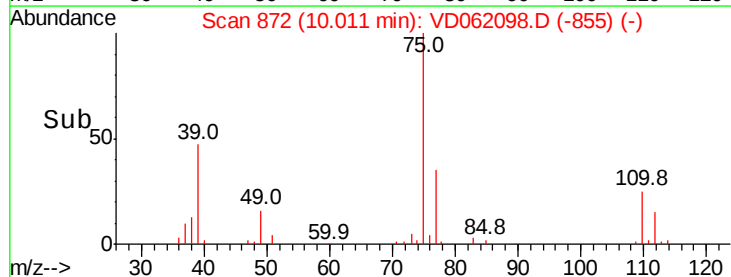
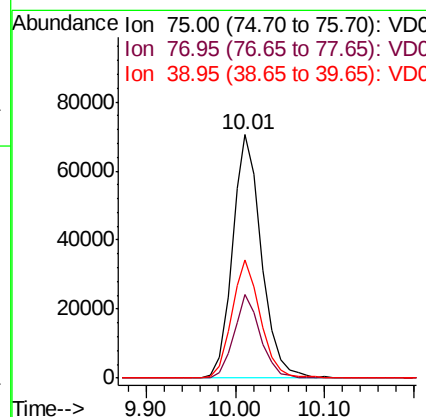
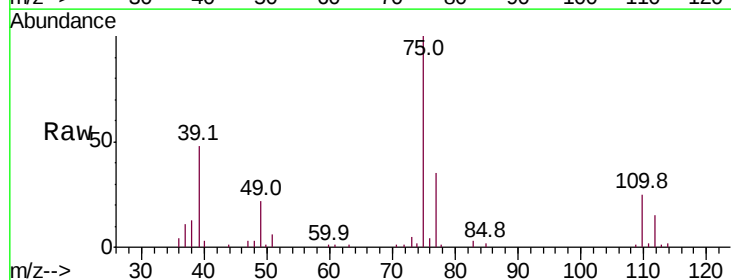
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

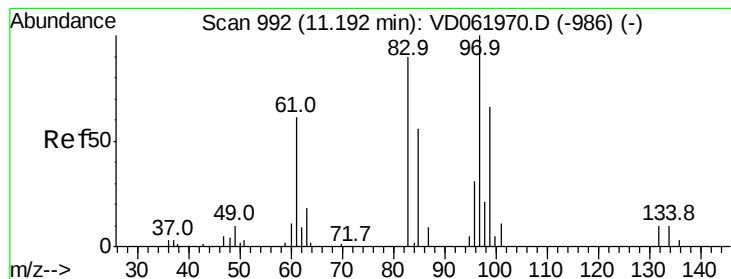
Tot Ion: 75 Resp: 146753
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.343 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion: 75 Resp: 159568
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.5 38.3
 39 48.3 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 22.822 ug/l

RT: 11.16 min Scan# 989

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

Tot Ion: 97 Resp: 79235

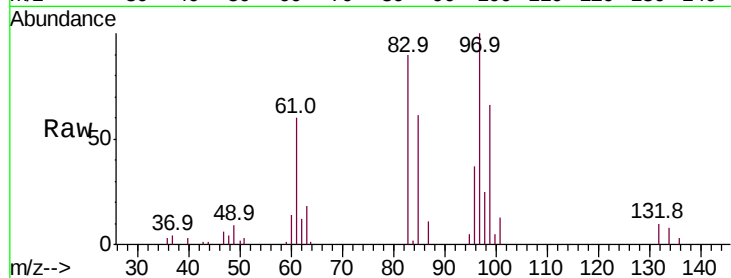
Ion Ratio Lower Upper

97 100

83 90.3 65.7 98.5

85 60.5 45.6 68.4

99 65.9 48.4 72.6



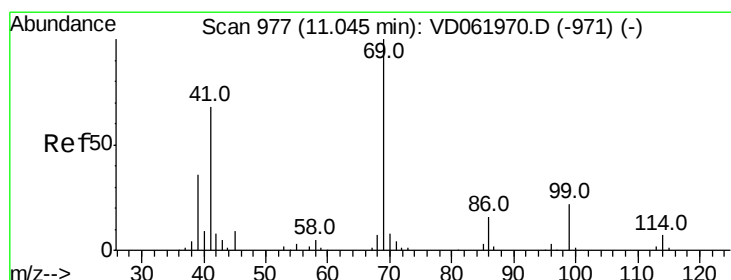
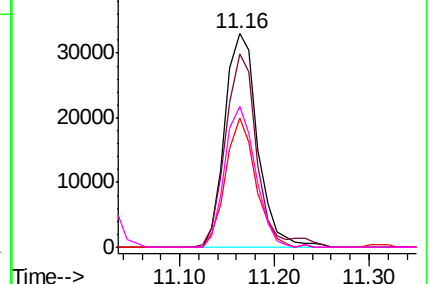
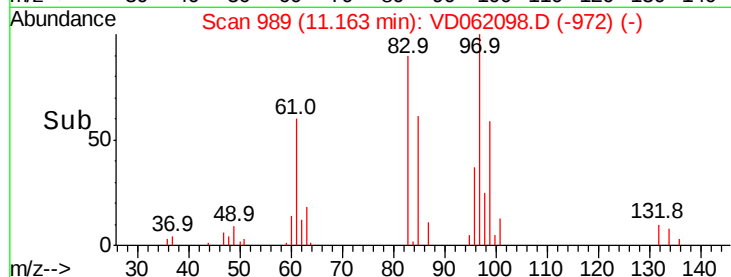
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.309 ug/l

RT: 11.02 min Scan# 974

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

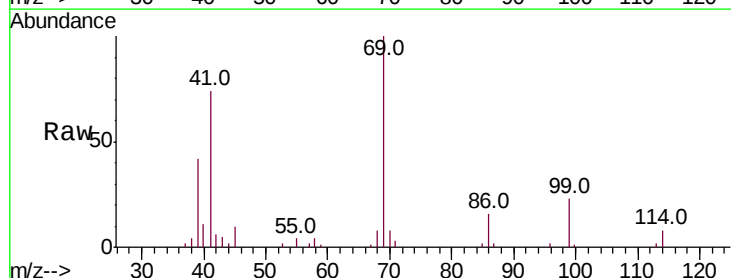
Tgt Ion: 69 Resp: 81936

Ion Ratio Lower Upper

69 100

41 73.5 56.3 84.5

39 41.7 29.4 44.2

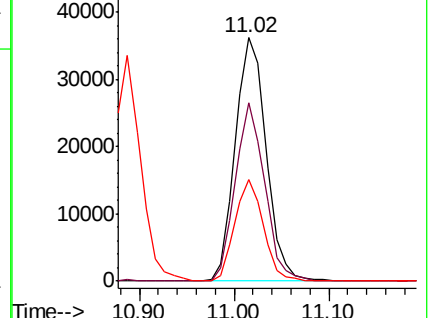
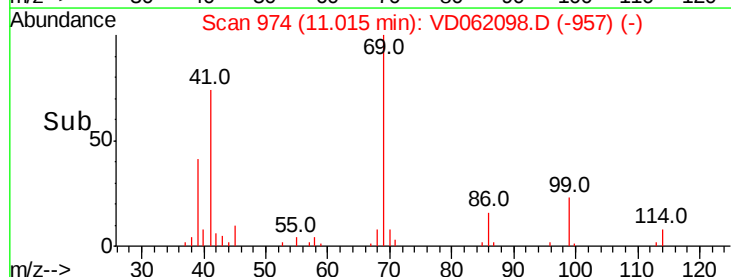


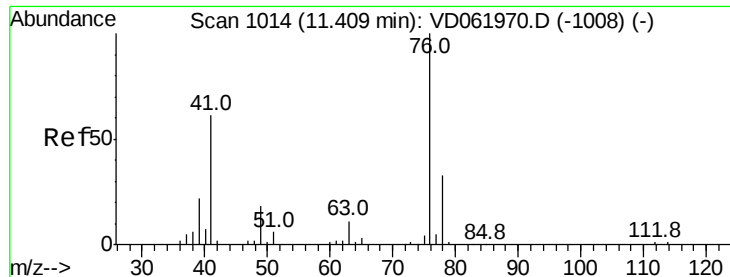
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.213 ug/l

RT: 11.38 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

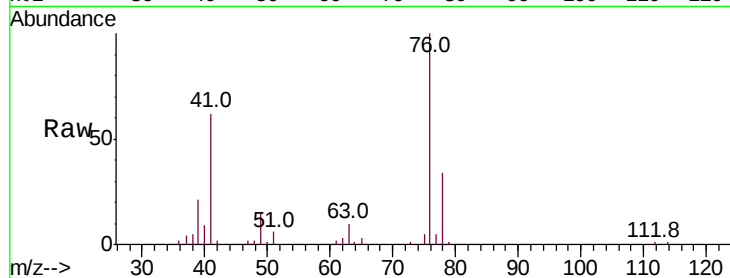
VD0501SBS01

Tot Ion: 76 Resp: 119110

Ion Ratio Lower Upper

76 100

78 34.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.38

60000

50000

40000

30000

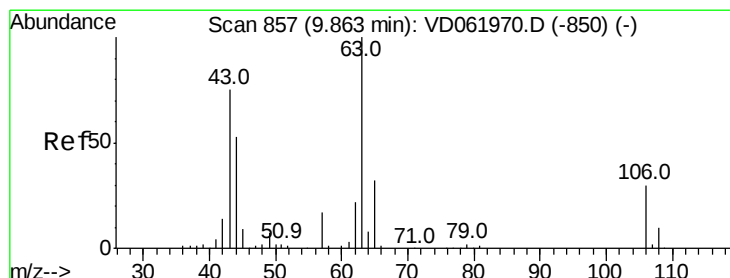
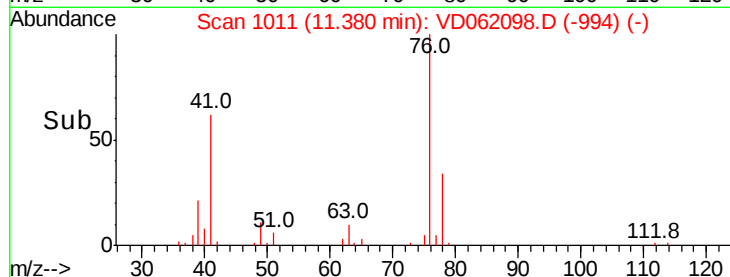
20000

10000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 126.775 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062098.D

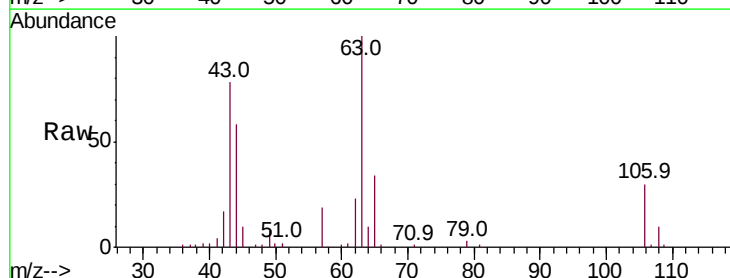
Acq: 1 May 2019 13:04

Tgt Ion: 63 Resp: 226641

Ion Ratio Lower Upper

63 100

106 30.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

100000

80000

60000

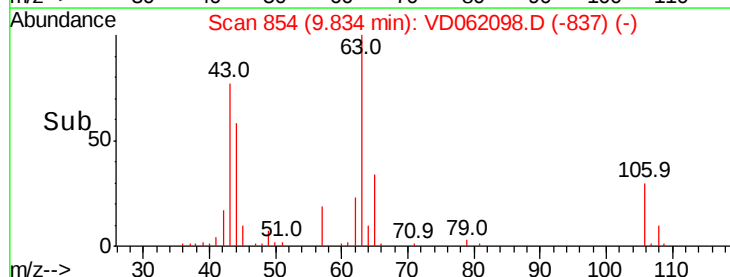
40000

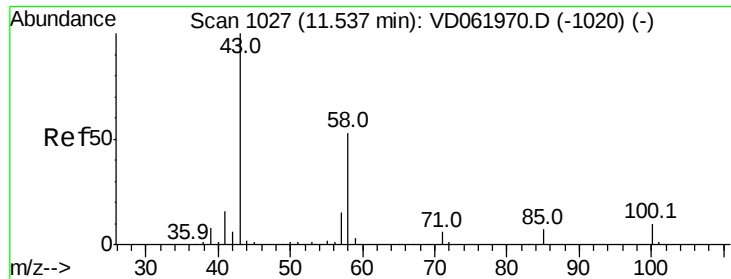
20000

0

9.70 9.80 9.90 10.00

Time-->

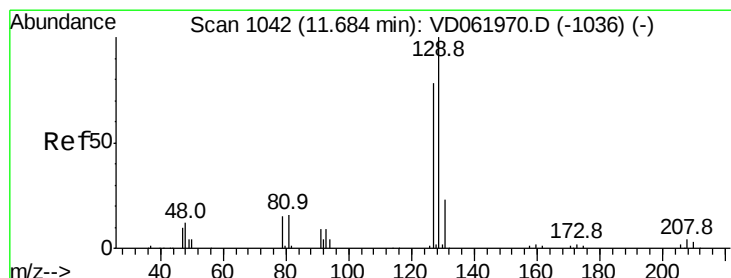
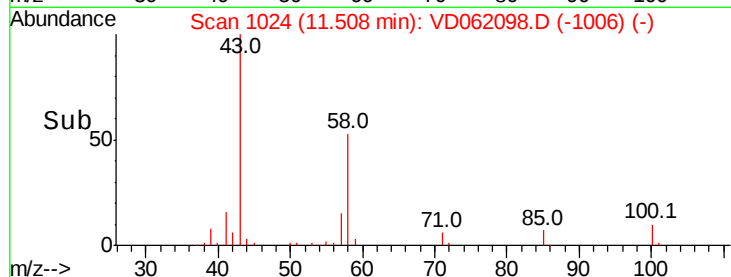
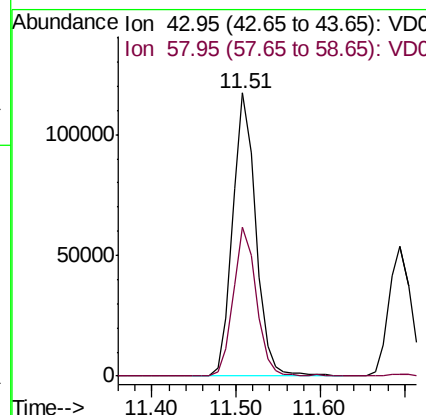
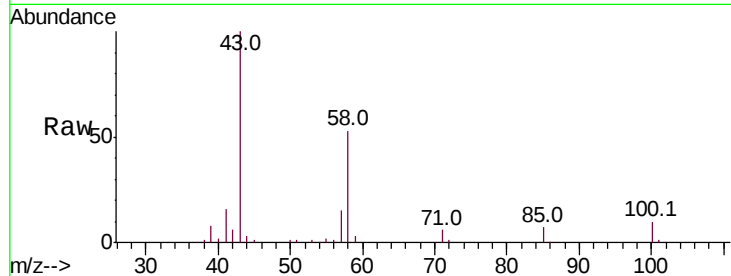




#59
2-Hexanone
Concen: 119.714 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

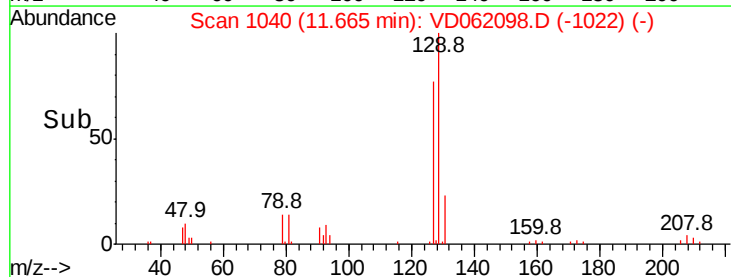
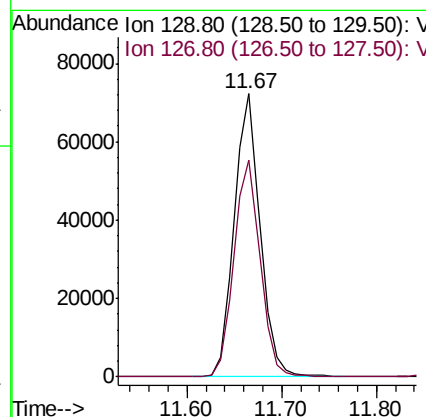
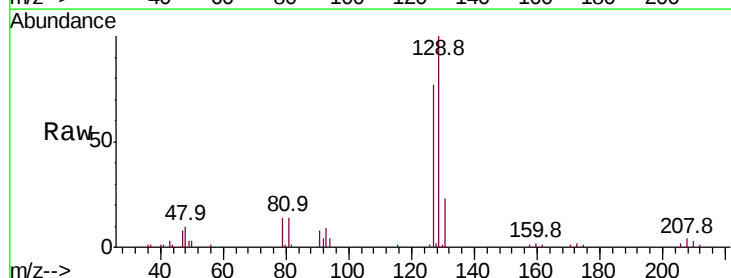
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

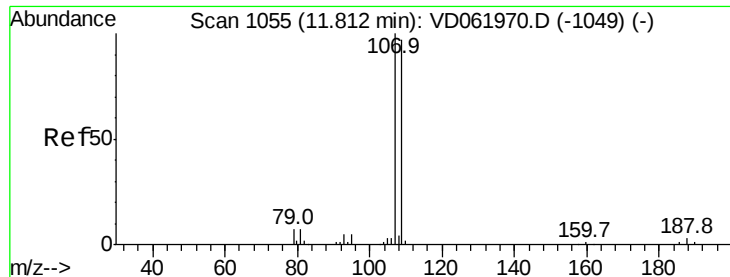
Tot Ion: 43 Resp: 224026
Ion Ratio Lower Upper
43 100
58 52.7 25.4 76.4



#60
Dibromochloromethane
Concen: 23.852 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 129 Resp: 137023
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9

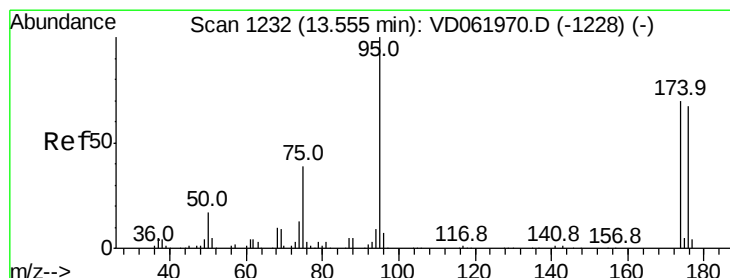
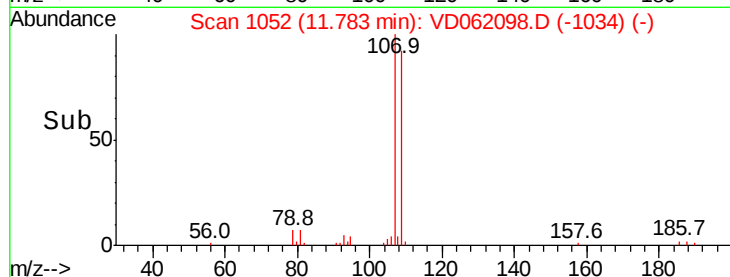
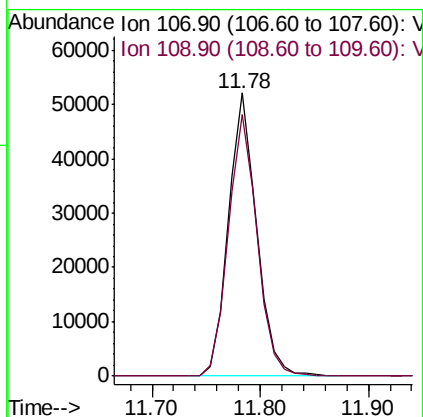
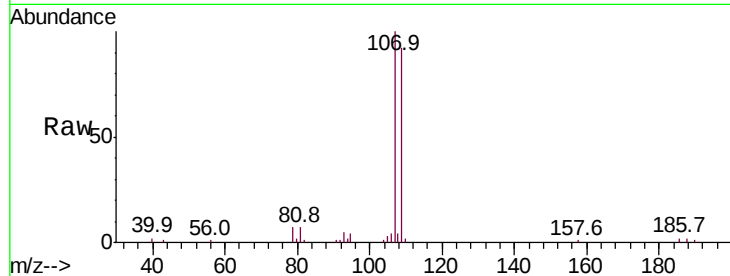




#61
 1,2-Dibromoethane
 Concen: 22.886 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

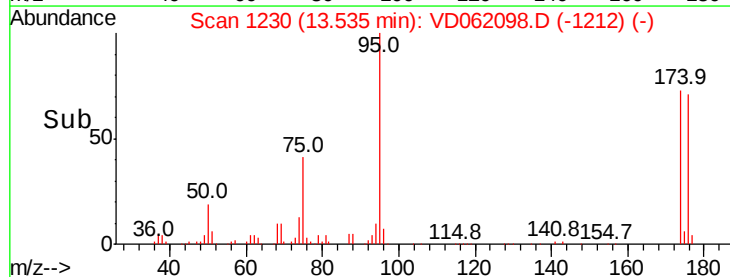
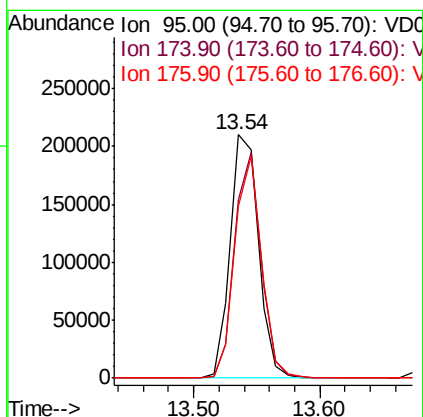
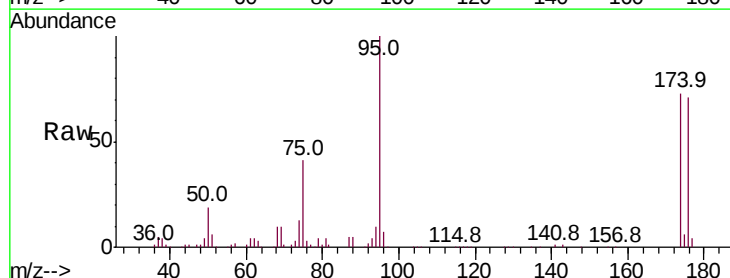
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

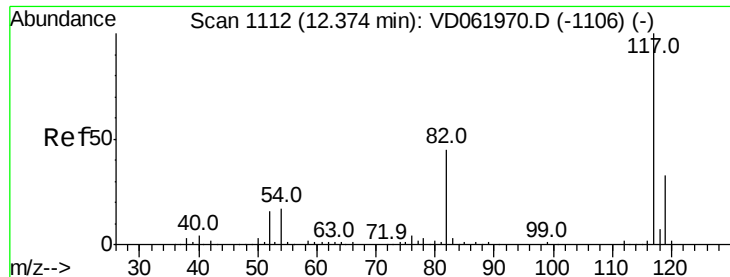
Tot Ion:107 Resp: 94256
 Ion Ratio Lower Upper
 107 100
 109 92.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 58.706 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion: 95 Resp: 325836
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 181.8
 176 70.8 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.34 min Scan# 1109

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

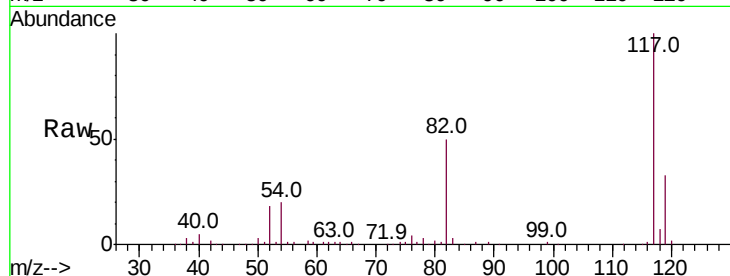
Tot Ion:117 Resp: 841402

Ion Ratio Lower Upper

117 100

82 50.4 36.2 54.2

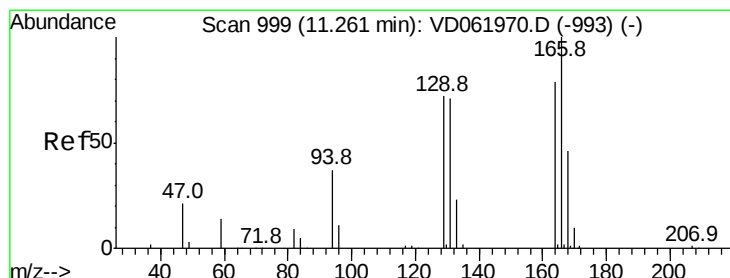
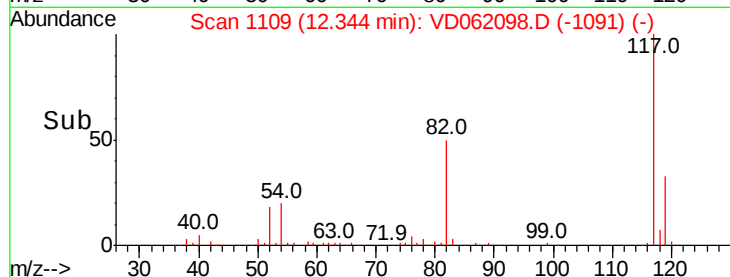
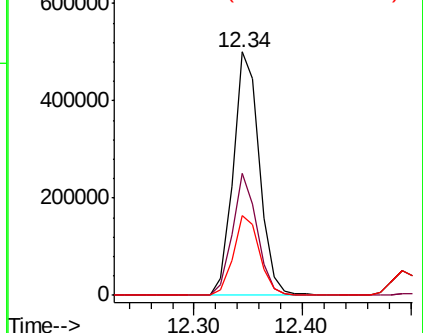
119 32.5 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 18.308 ug/l

RT: 11.23 min Scan# 996

Delta R.T. -0.03 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Tgt Ion:164 Resp: 109889

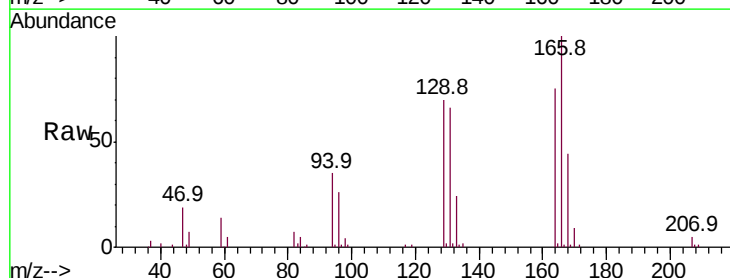
Ion Ratio Lower Upper

164 100

166 133.4 101.5 152.3

129 93.2 74.6 112.0

131 88.3 72.6 108.8

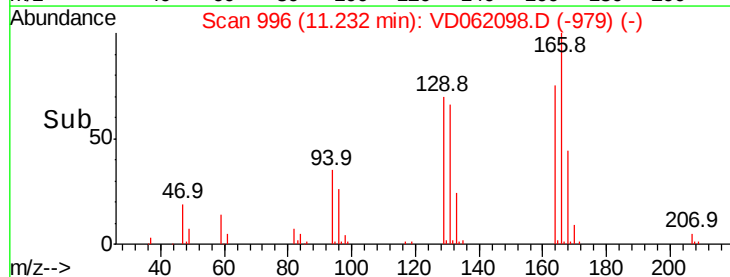
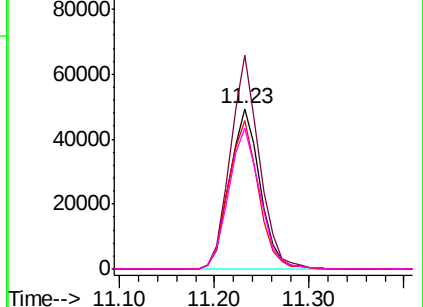


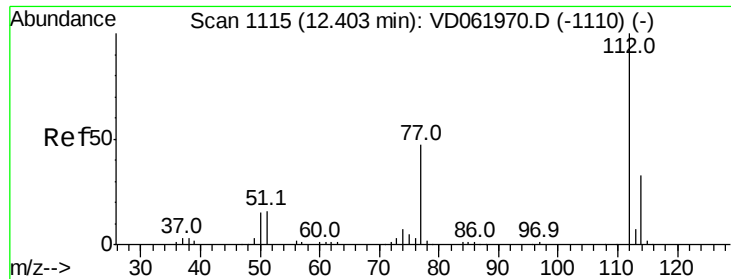
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

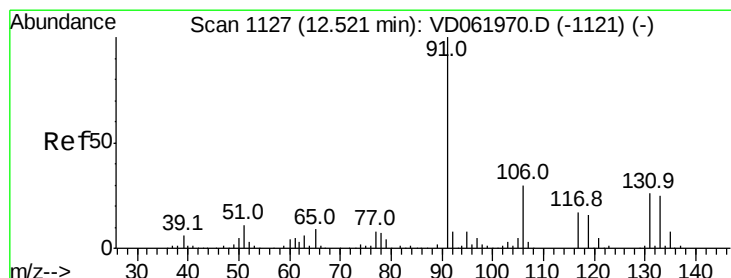
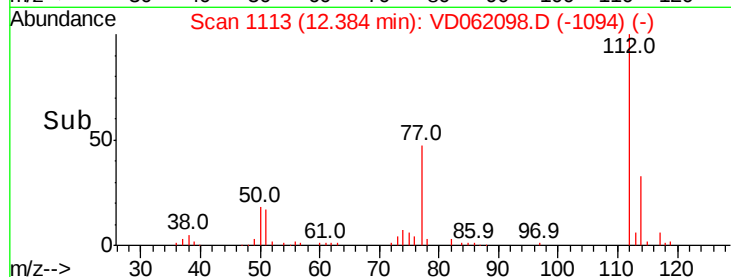
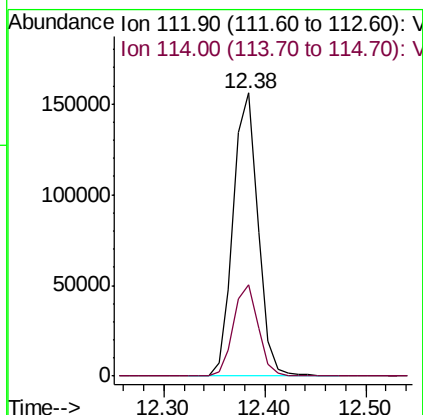
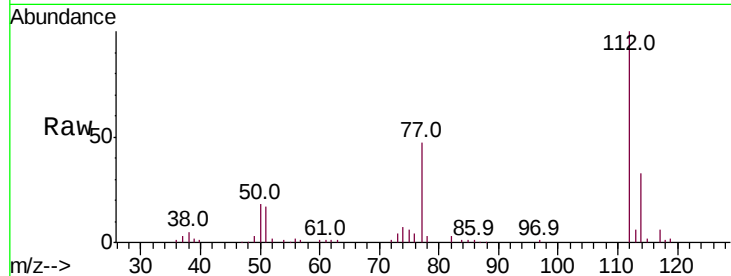




#65
Chlorobenzene
Concen: 16.752 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

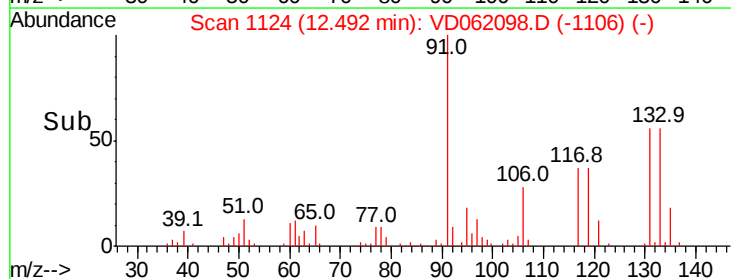
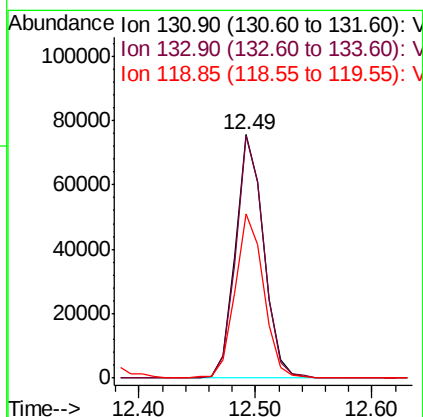
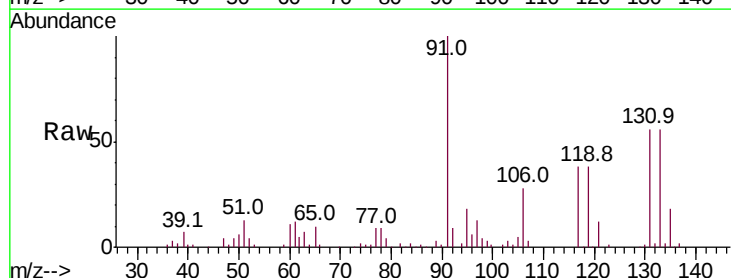
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

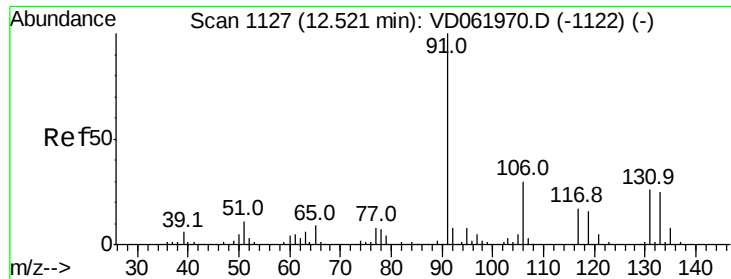
Tot Ion:112 Resp: 266345
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.739 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.02 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion:131 Resp: 126377
Ion Ratio Lower Upper
131 100
133 99.6 48.6 145.8
119 67.6 34.7 104.1





#67

Ethyl Benzene

Concen: 18.835 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

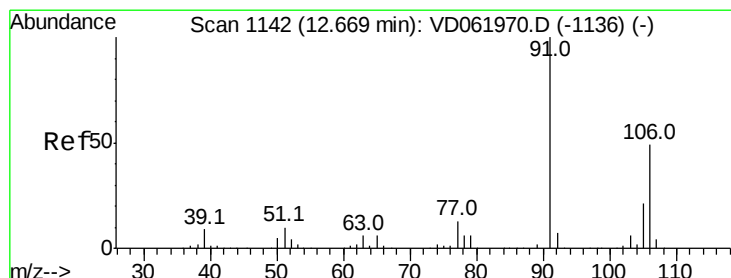
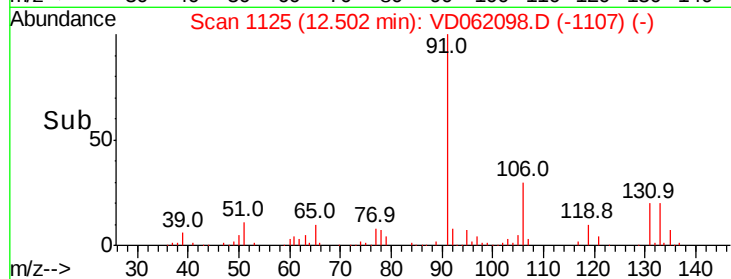
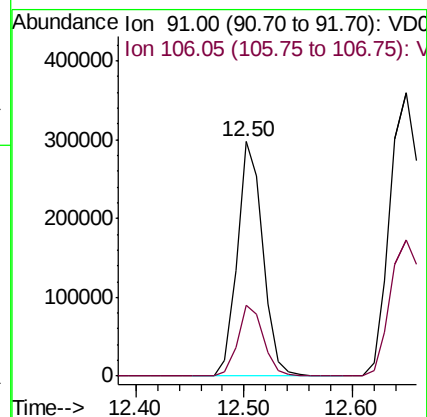
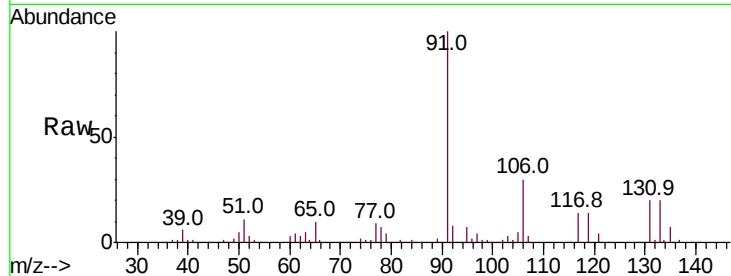
VD0501SBS01

Tot Ion: 91 Resp: 488791

Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1



#68

m/p-Xylenes

Concen: 37.718 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD062098.D

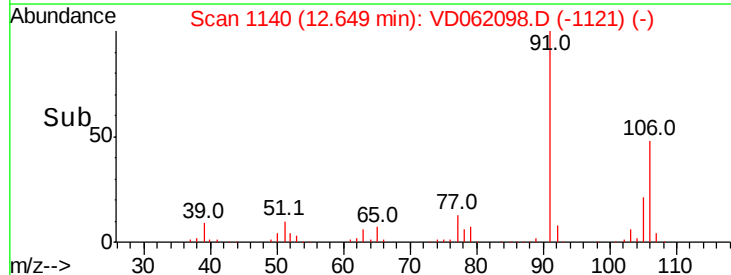
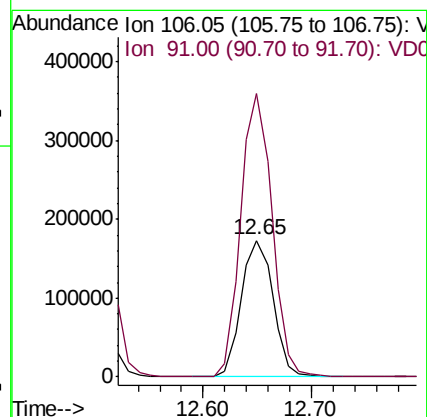
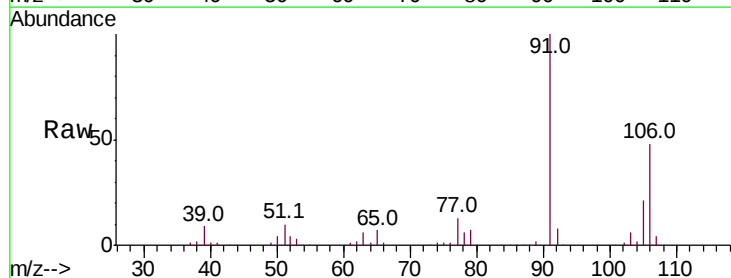
Acq: 1 May 2019 13:04

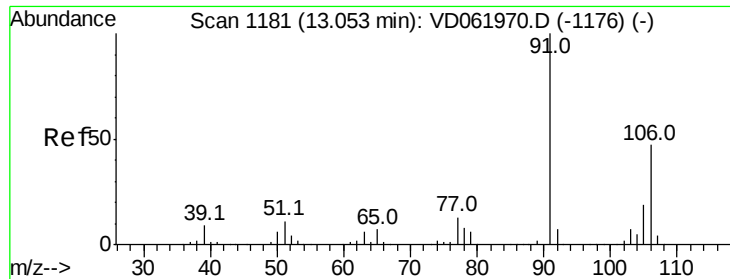
Tgt Ion:106 Resp: 353771

Ion Ratio Lower Upper

106 100

91 207.3 164.0 246.0

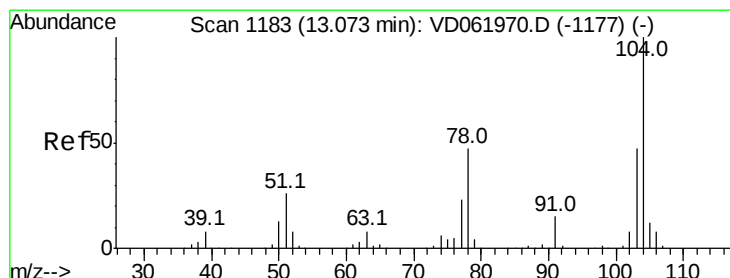
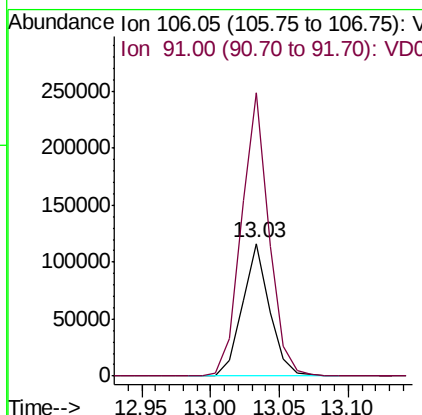
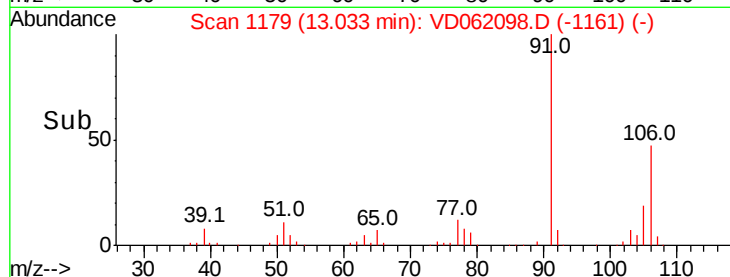
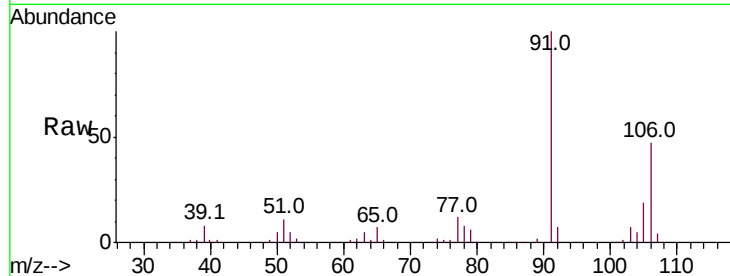




#69
o-Xylene
Concen: 18.851 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

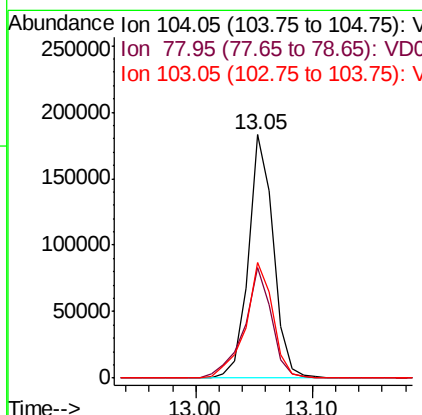
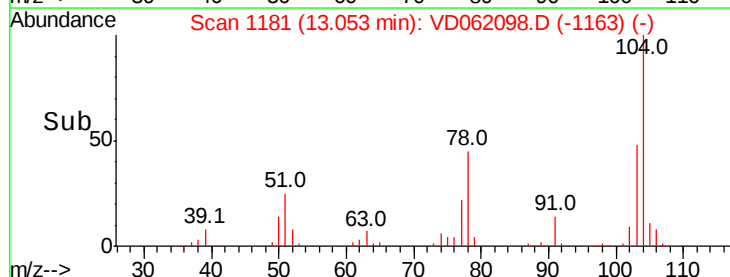
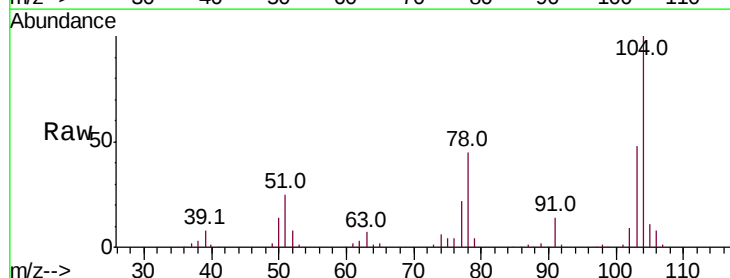
Instrument :
MSVOA_D
ClientSampleID :
VD0501SBS01

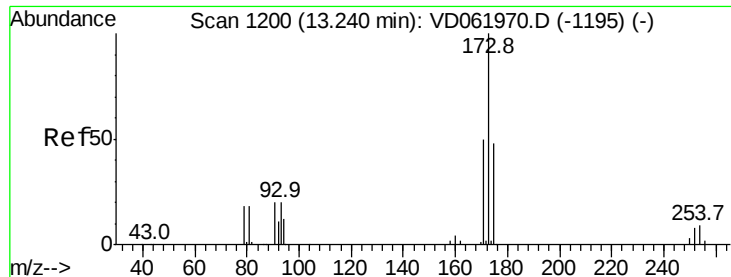
Tot Ion:106 Resp: 161773
Ion Ratio Lower Upper
106 100
91 212.9 106.7 319.9



#70
Styrene
Concen: 18.242 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion:104 Resp: 270318
Ion Ratio Lower Upper
104 100
78 45.2 35.4 53.2
103 47.7 37.5 56.3





#71

Bromoform

Concen: 17.659 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

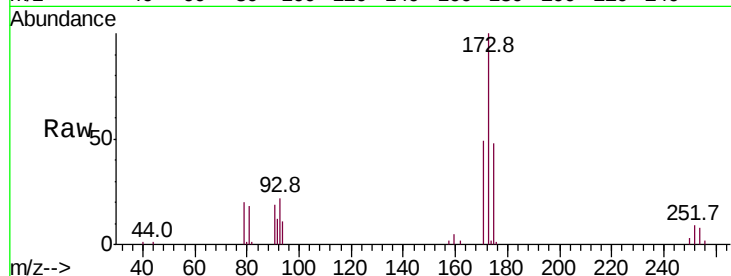
Tot Ion:173 Resp: 67899

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.4

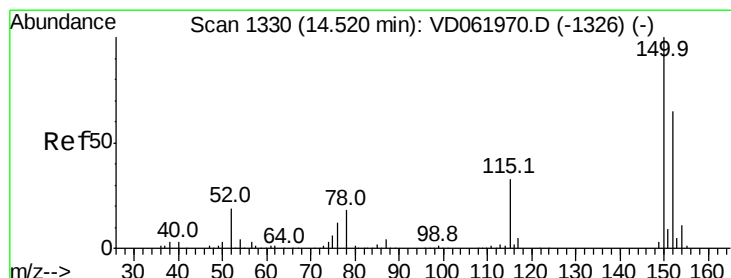
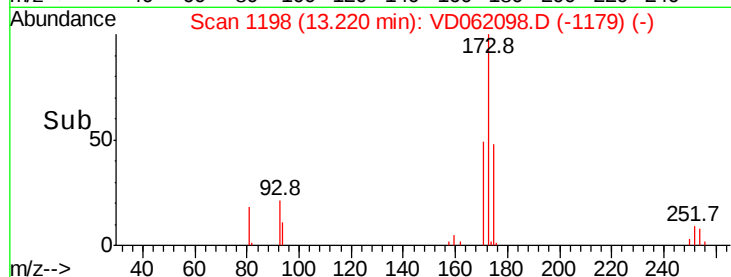
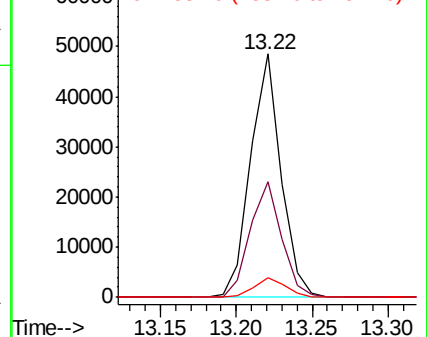
254 7.9 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

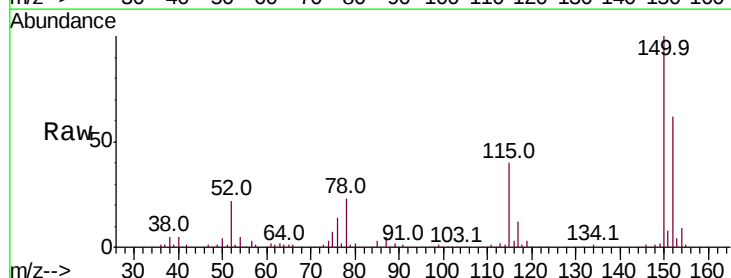
Tgt Ion:152 Resp: 382150

Ion Ratio Lower Upper

152 100

115 63.9 30.9 92.7

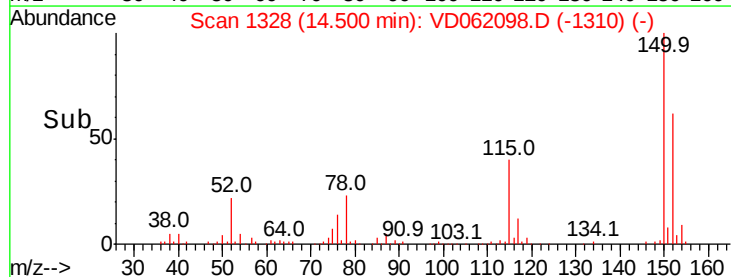
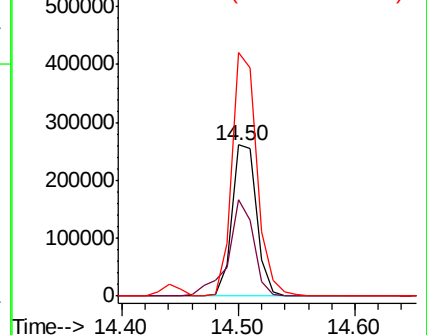
150 160.9 0.0 314.8

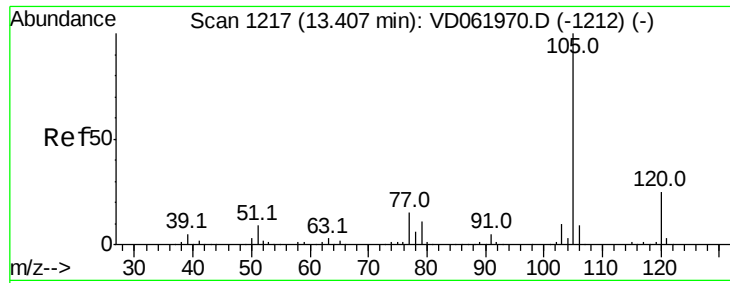


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

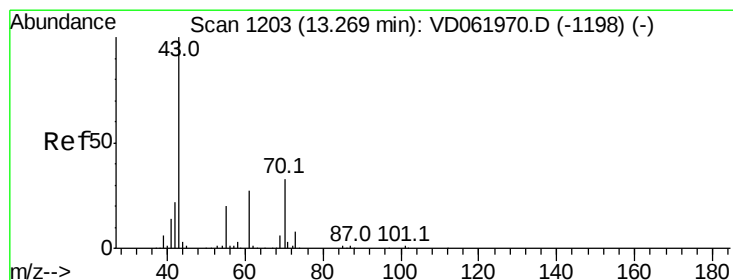
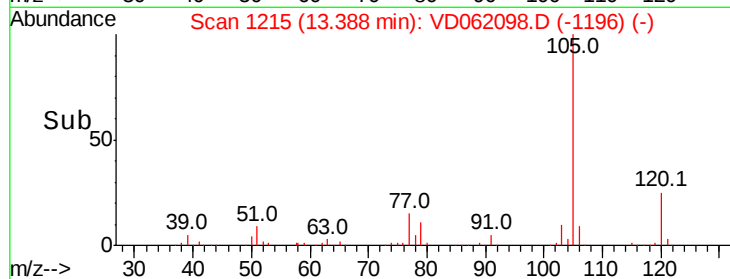
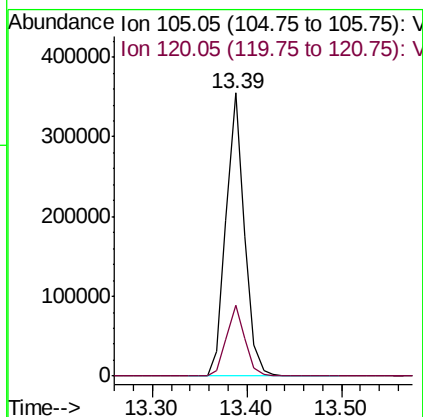
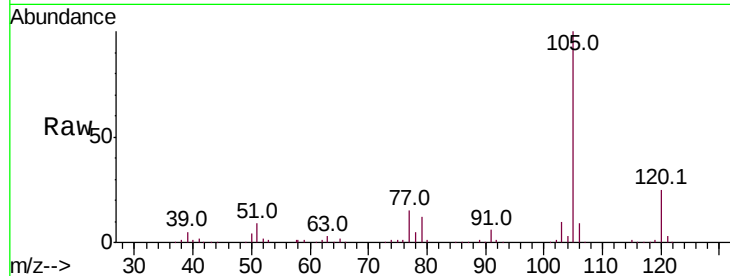




#73
Isopropylbenzene
Concen: 18.731 ug/l
RT: 13.39 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

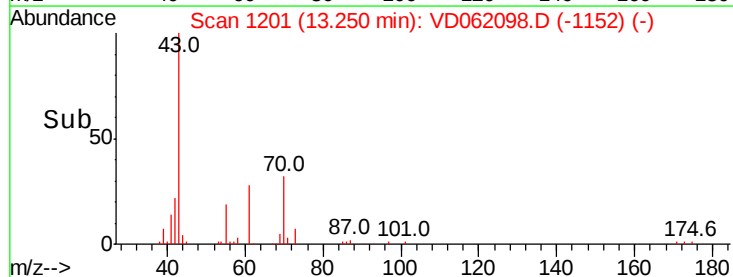
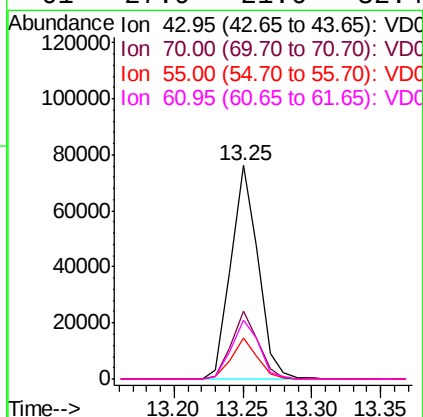
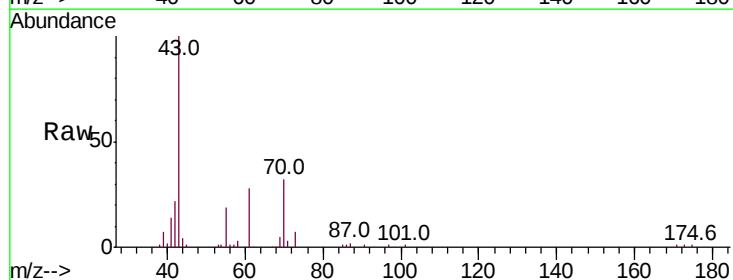
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

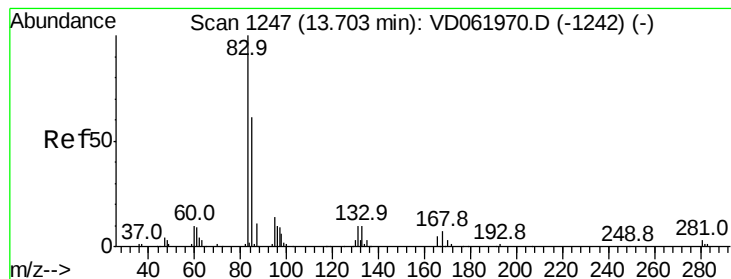
Tot Ion:105 Resp: 477494
Ion Ratio Lower Upper
105 100
120 24.9 12.0 36.1



#74
N-ethyl acetate
Concen: 15.898 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 43 Resp: 104374
Ion Ratio Lower Upper
43 100
70 31.7 24.2 36.4
55 19.4 16.0 24.0
61 27.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.575 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

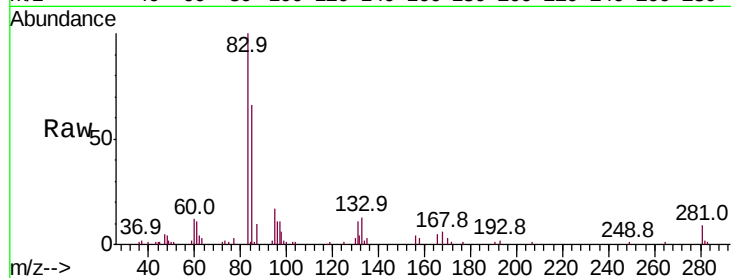
Tot Ion: 83 Resp: 92789

Ion Ratio Lower Upper

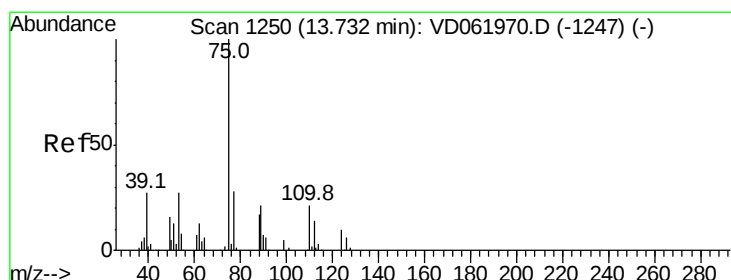
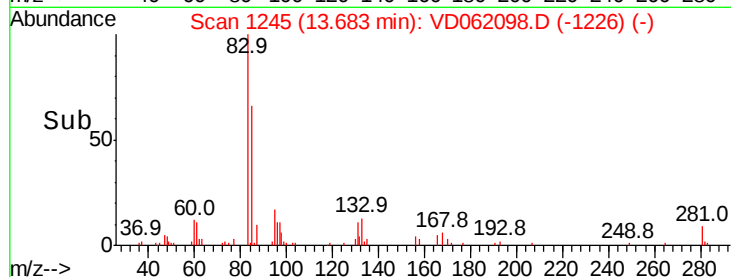
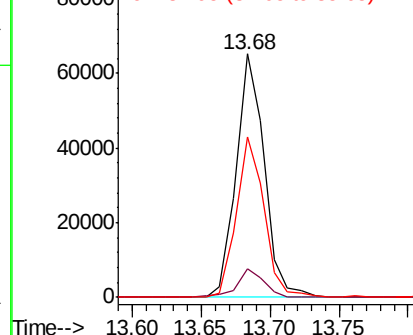
83 100

131 11.5 5.0 14.9

85 66.0 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 18.893 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062098.D

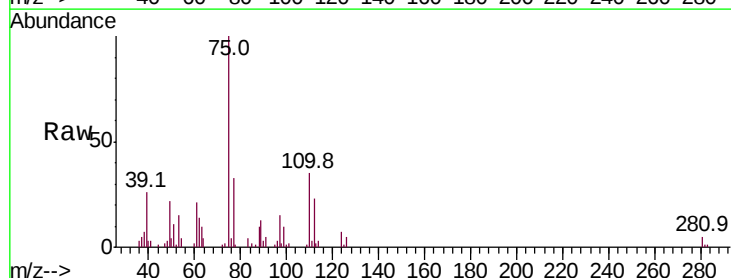
Acq: 1 May 2019 13:04

Tgt Ion: 75 Resp: 91683

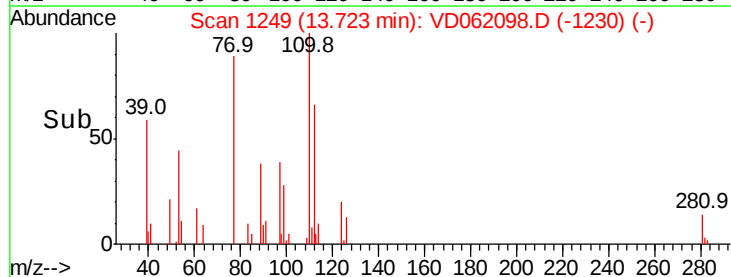
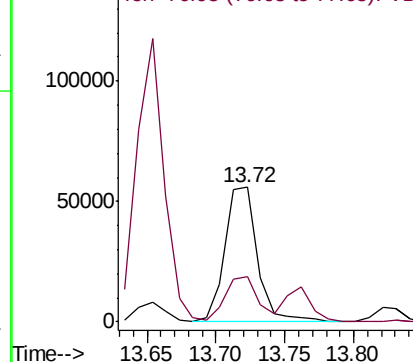
Ion Ratio Lower Upper

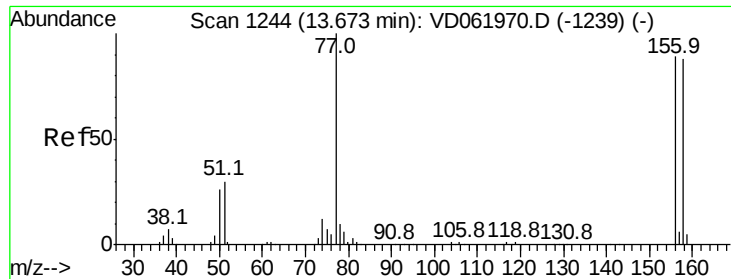
75 100

77 33.4 16.4 49.4



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

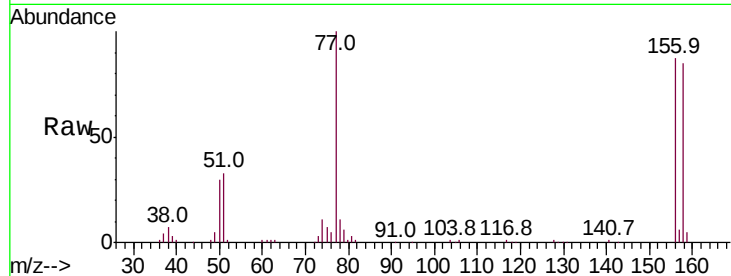




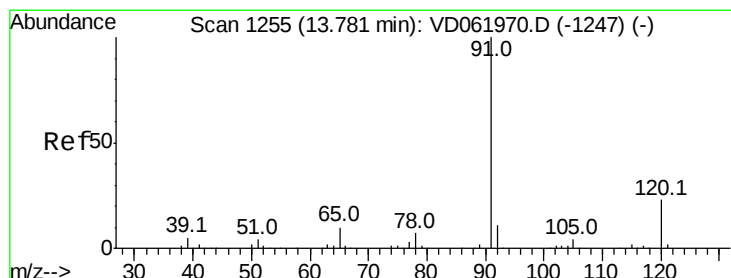
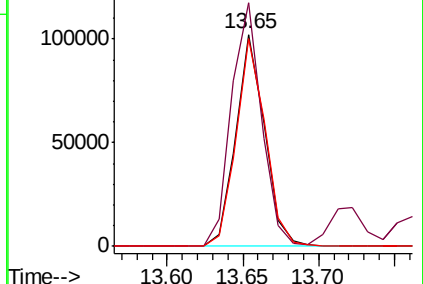
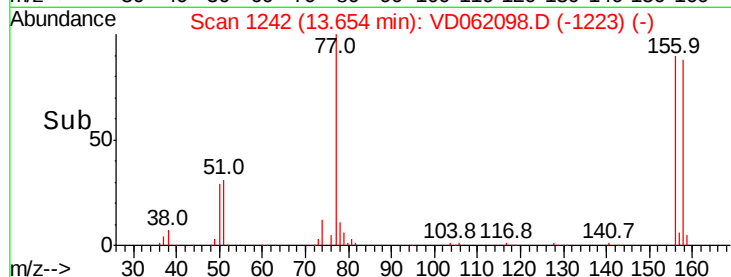
#77
Bromobenzene
Concen: 18.415 ug/l
RT: 13.65 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Tot Ion:156 Resp: 134667
Ion Ratio Lower Upper
156 100
77 115.0 53.1 159.4
158 98.0 49.4 148.0

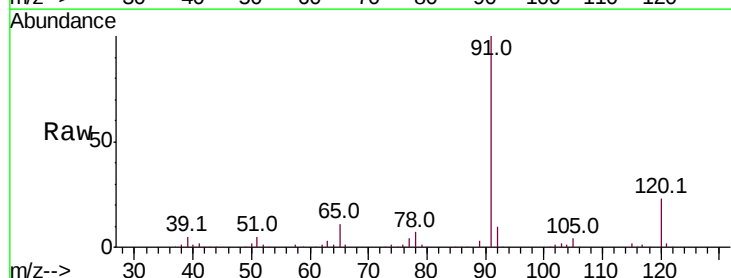


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

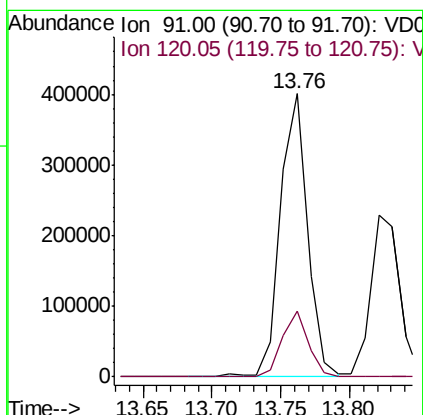
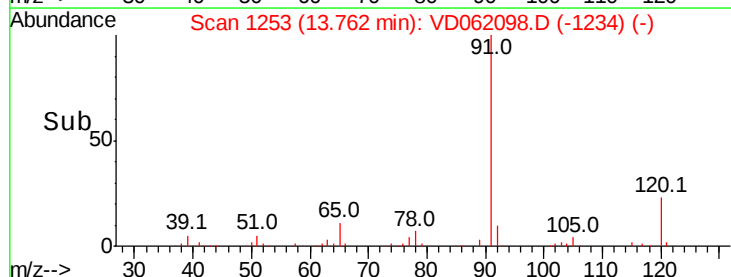


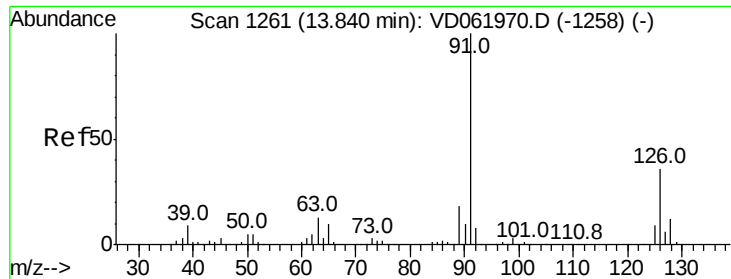
#78
n-propylbenzene
Concen: 18.635 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 91 Resp: 543800
Ion Ratio Lower Upper
91 100
120 23.1 11.1 33.1



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

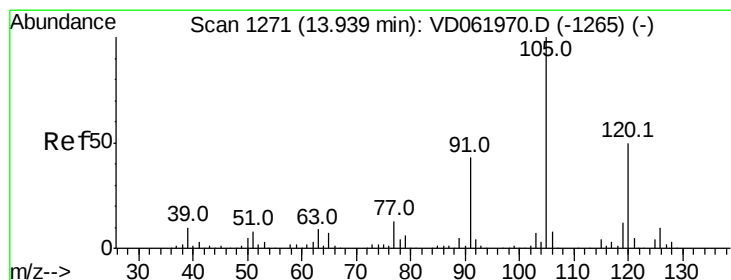
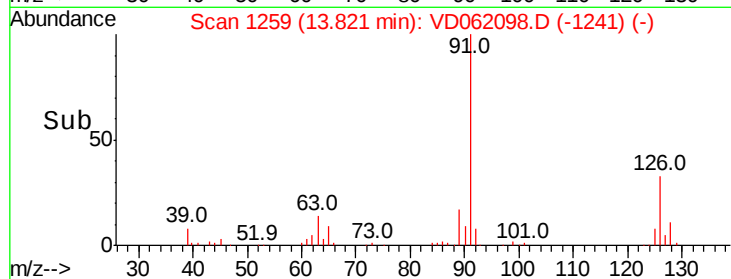
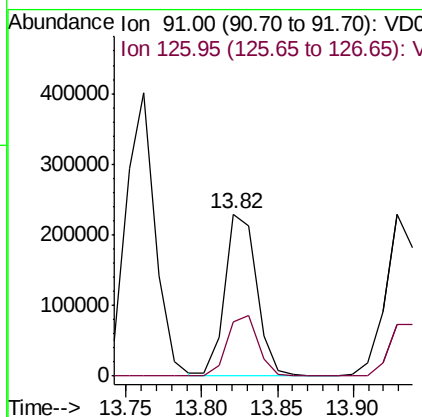
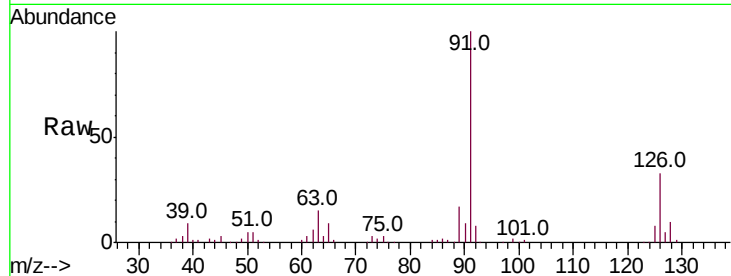




#79
 2-Chlorotoluene
 Concen: 19.012 ug/l
 RT: 13.82 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

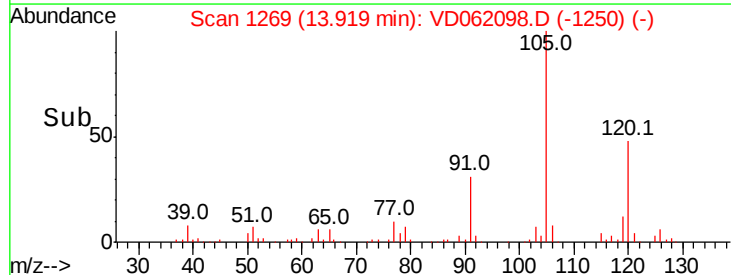
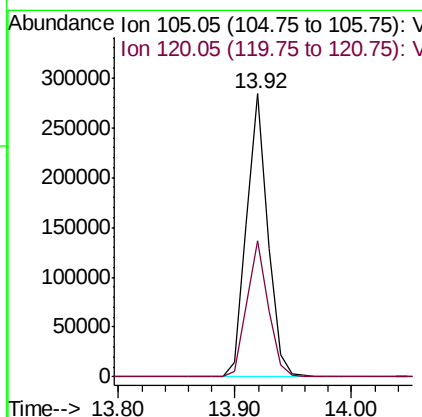
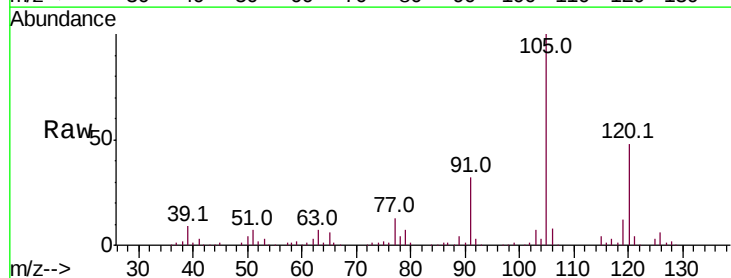
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

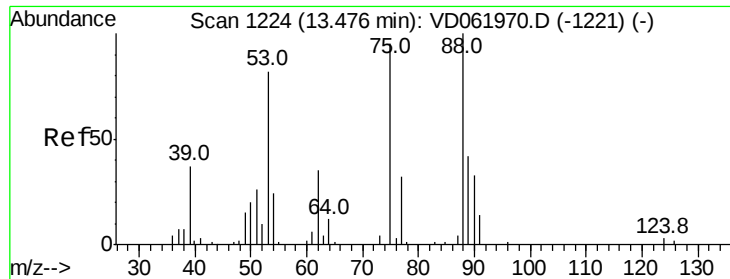
Tot Ion: 91 Resp: 336066
 Ion Ratio Lower Upper
 91 100
 126 33.3 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.713 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion:105 Resp: 360042
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.632 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

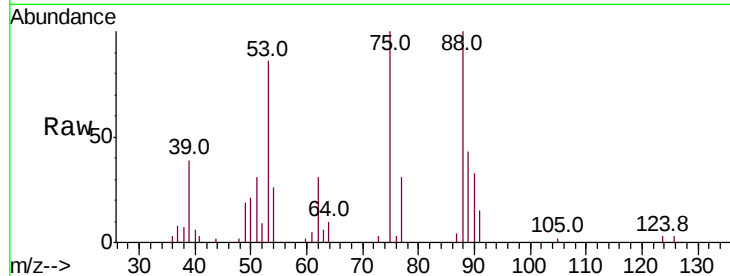
Tot Ion: 75 Resp: 27399

Ion Ratio Lower Upper

75 100

53 85.6 65.8 98.8

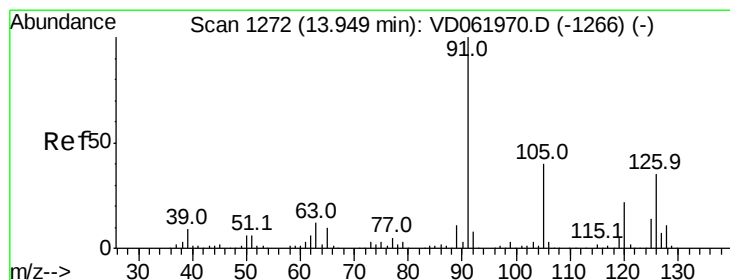
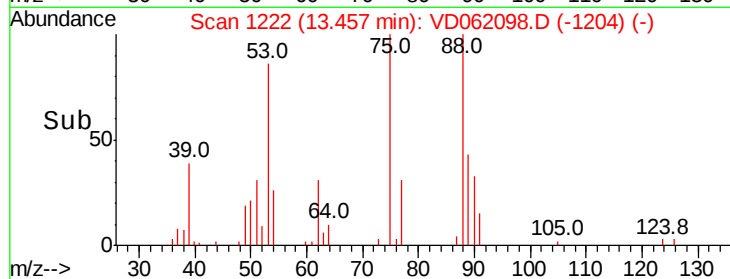
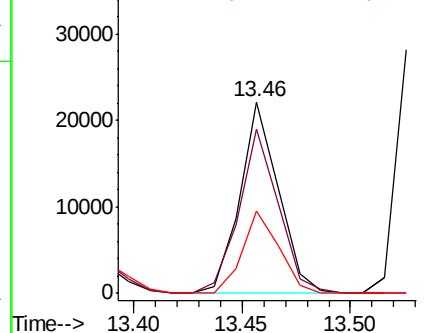
89 43.2 35.0 52.6



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: 17.425 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062098.D

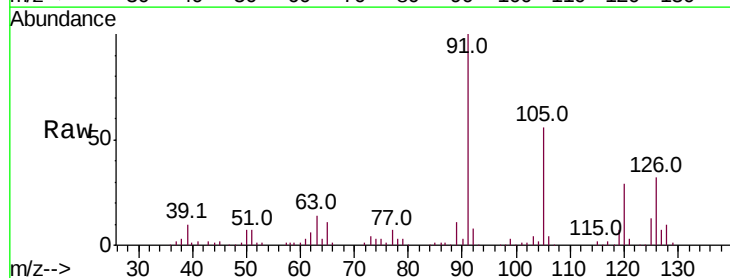
Acq: 1 May 2019 13:04

Tgt Ion: 91 Resp: 339196

Ion Ratio Lower Upper

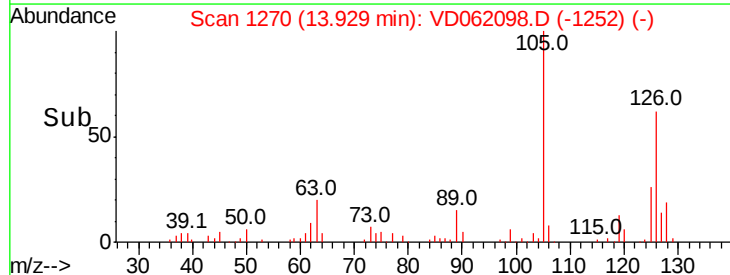
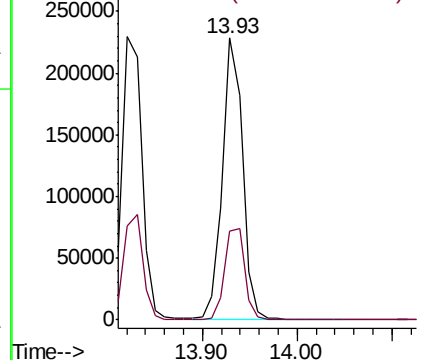
91 100

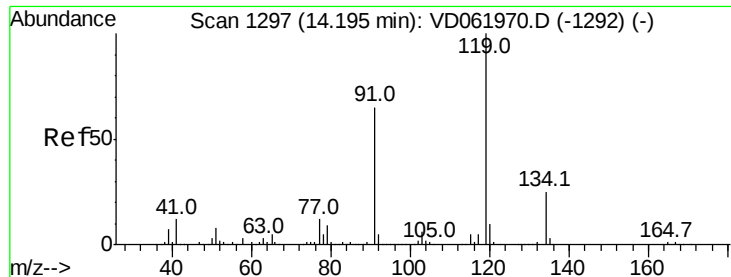
126 31.7 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

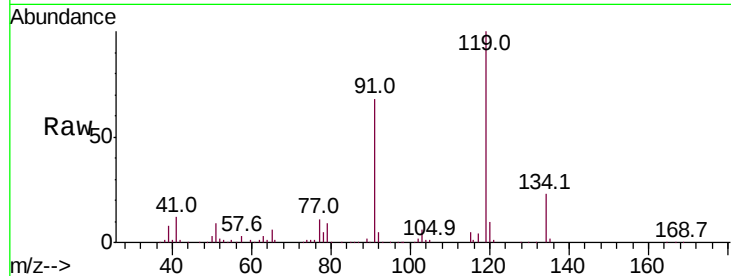




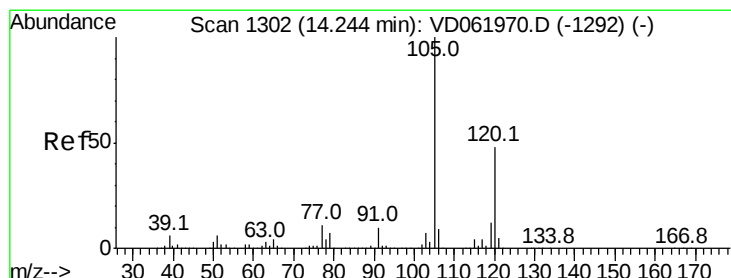
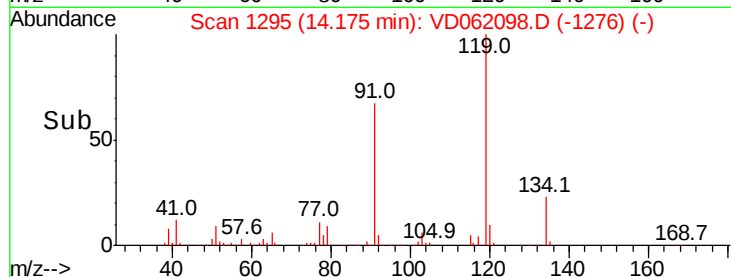
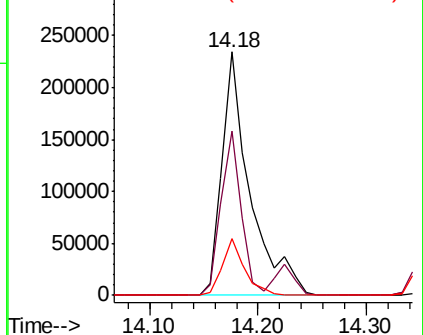
#83
tert-Butylbenzene
Concen: 17.911 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Tot Ion:119 Resp: 421749
Ion Ratio Lower Upper
119 100
91 67.6 34.2 102.6
134 23.3 12.0 36.0

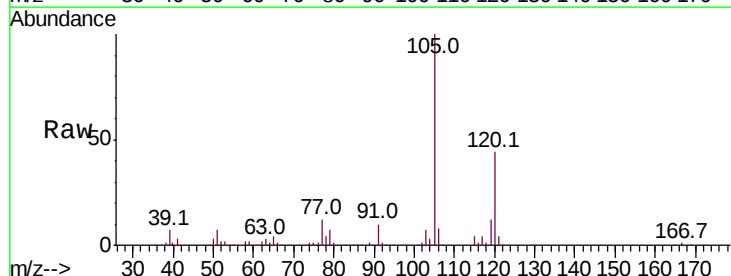


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

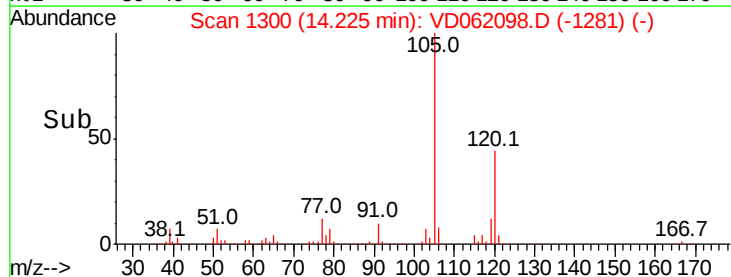
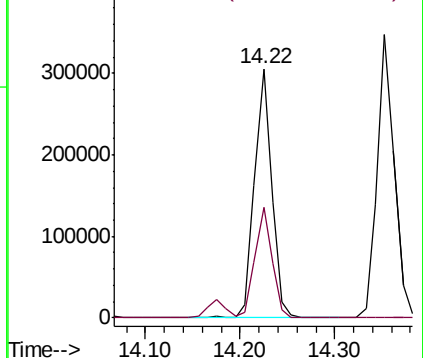


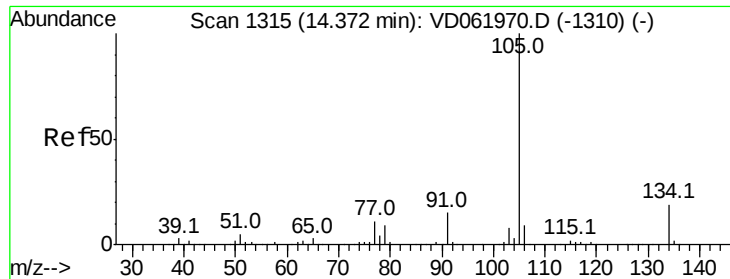
#84
1,2,4-Trimethylbenzene
Concen: 19.926 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion:105 Resp: 386735
Ion Ratio Lower Upper
105 100
120 44.4 23.1 69.2



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

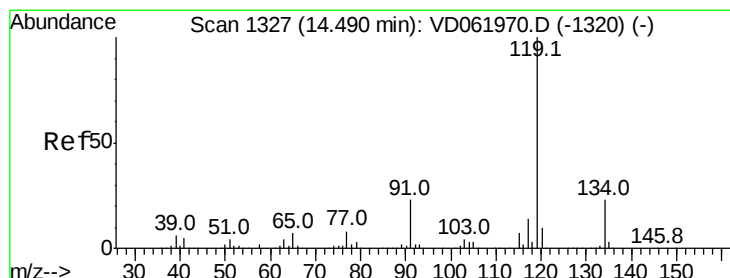
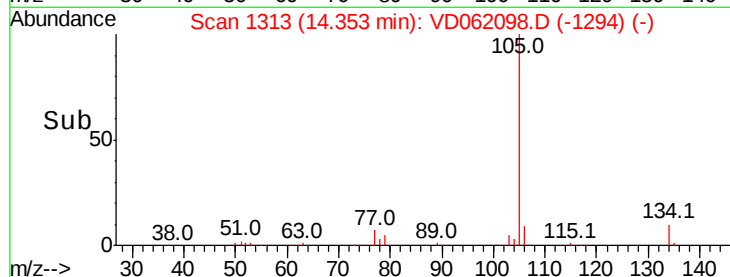
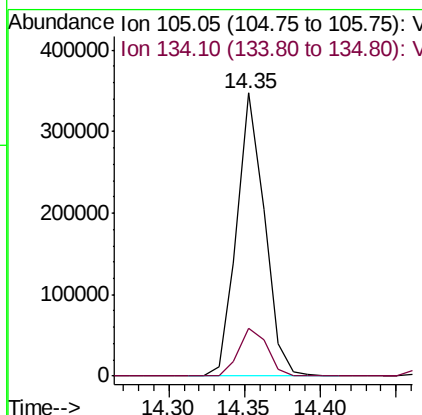
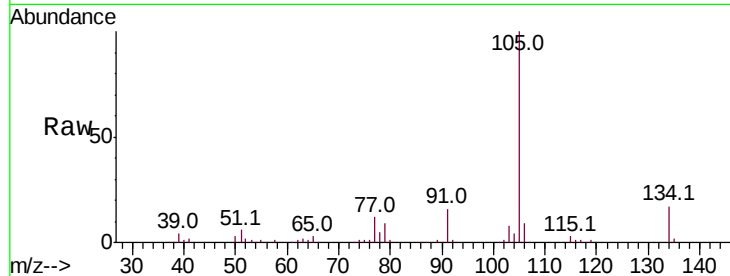




#85
 sec-Butylbenzene
 Concen: 17.454 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

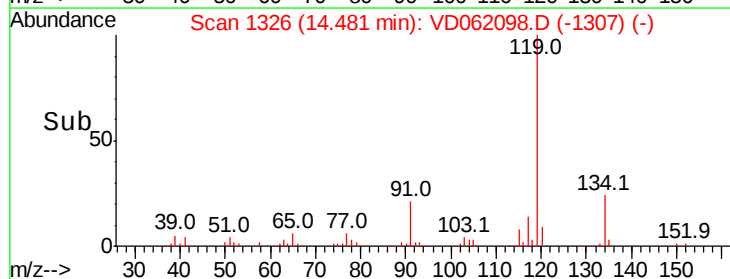
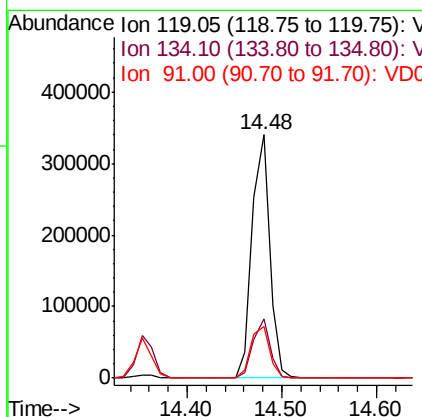
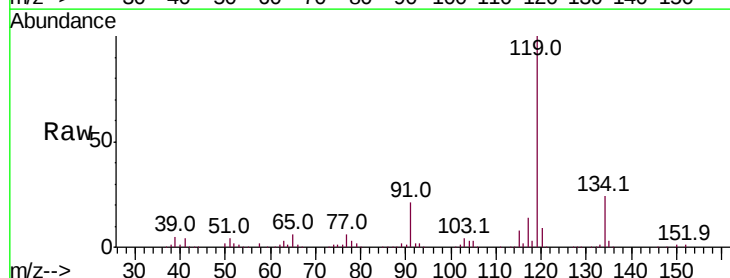
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

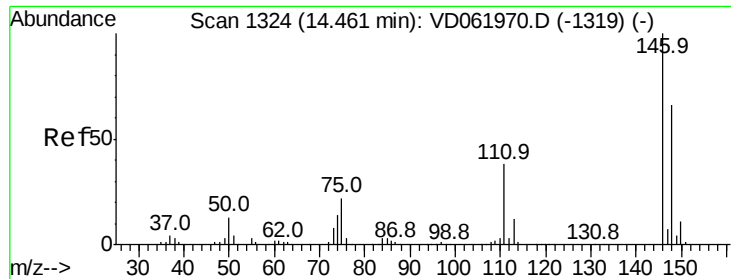
Tot Ion:105 Resp: 444085
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.442 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion:119 Resp: 442700
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.3
 91 21.4 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 19.015 ug/l

RT: 14.44 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

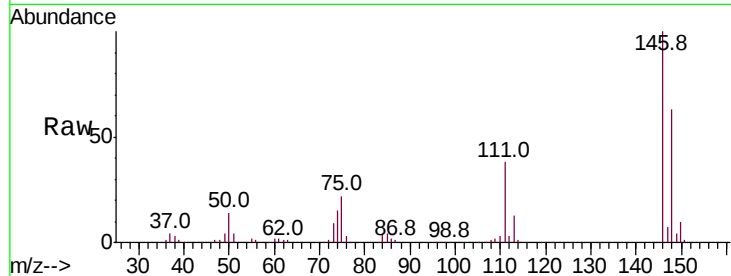
Tot Ion:146 Resp: 243508

Ion Ratio Lower Upper

146 100

111 38.2 20.0 60.0

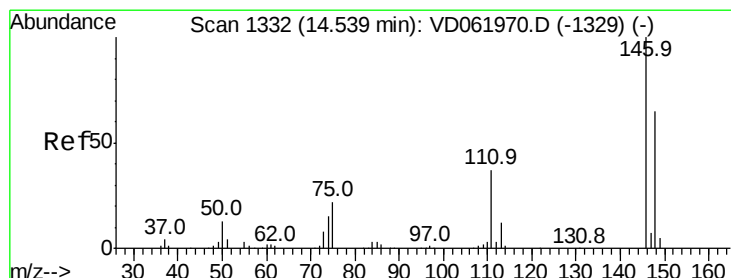
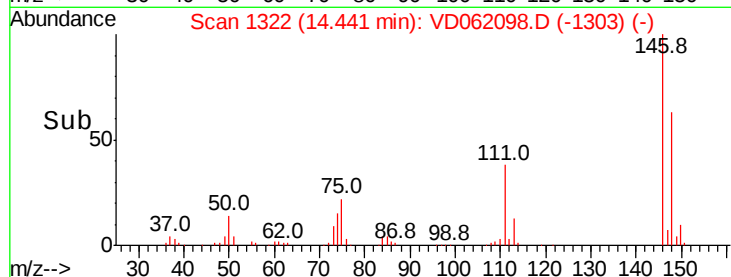
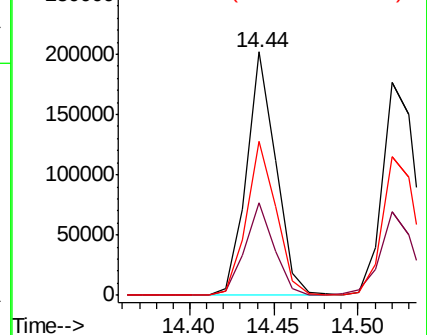
148 63.5 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.992 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

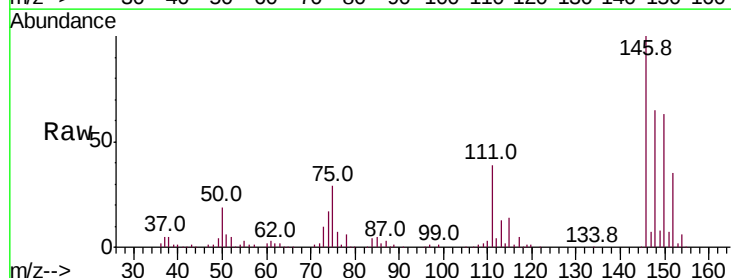
Tgt Ion:146 Resp: 239424

Ion Ratio Lower Upper

146 100

111 39.2 20.2 60.5

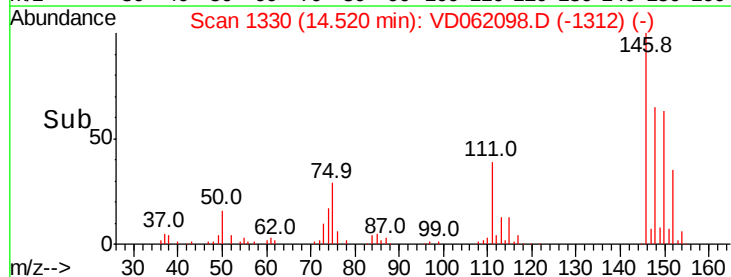
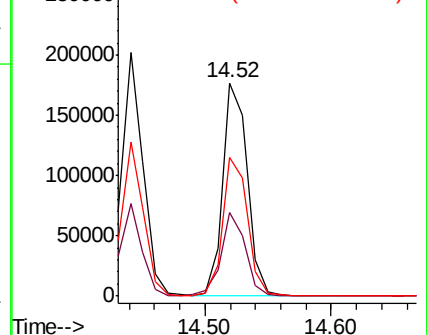
148 64.8 32.0 96.2

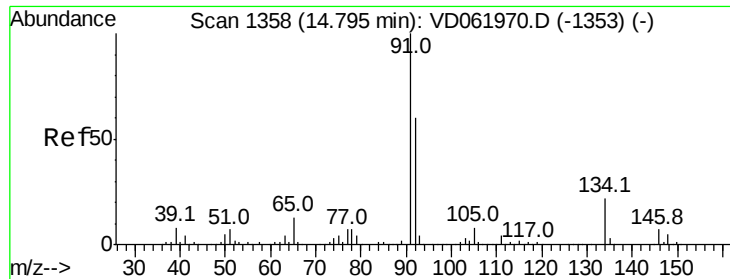


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

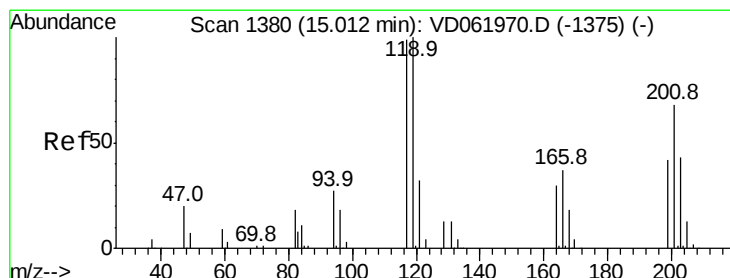
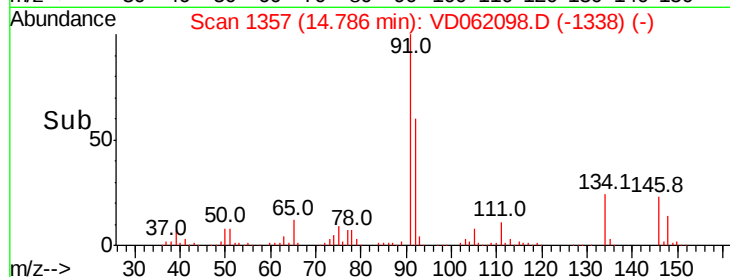
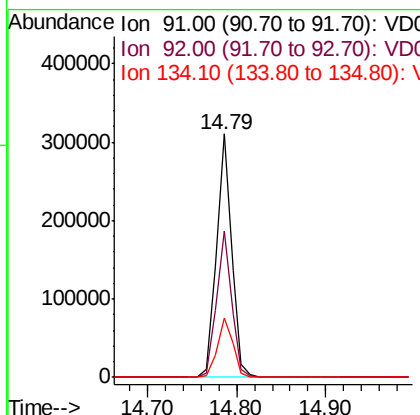
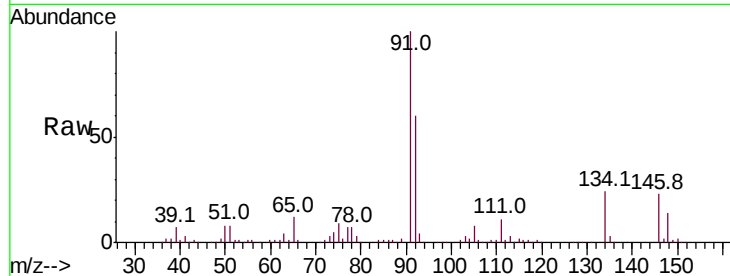




#89
n-Butylbenzene
Concen: 18.004 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

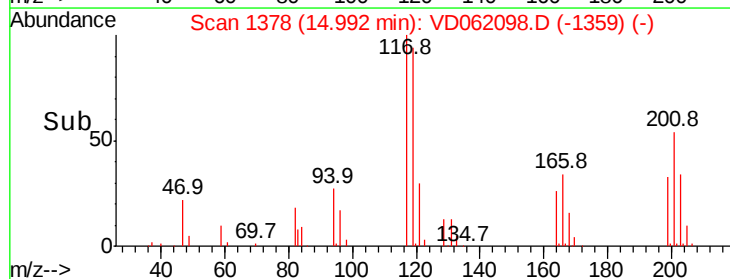
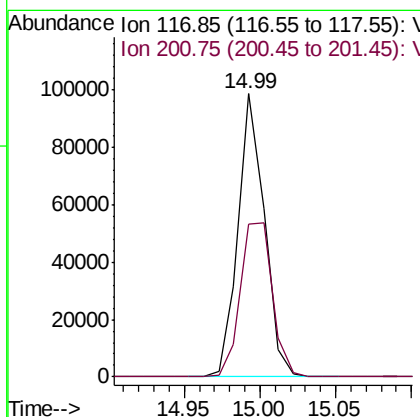
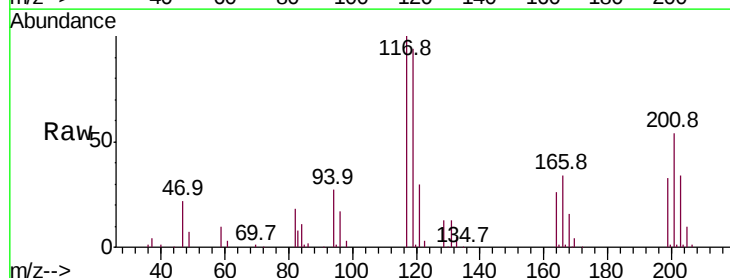
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

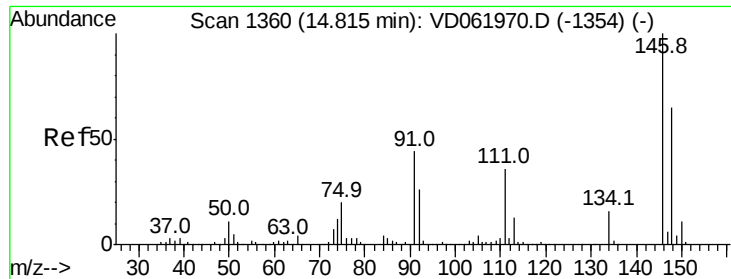
Tot Ion: 91 Resp: 368052
Ion Ratio Lower Upper
91 100
92 59.9 30.3 91.0
134 24.2 14.5 43.6



#90
Hexachloroethane
Concen: 19.379 ug/l
RT: 14.99 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD062098.D
Acq: 1 May 2019 13:04

Tgt Ion: 117 Resp: 119321
Ion Ratio Lower Upper
117 100
201 53.9 30.2 90.6

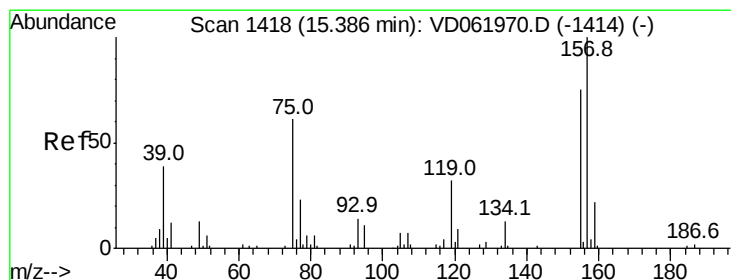
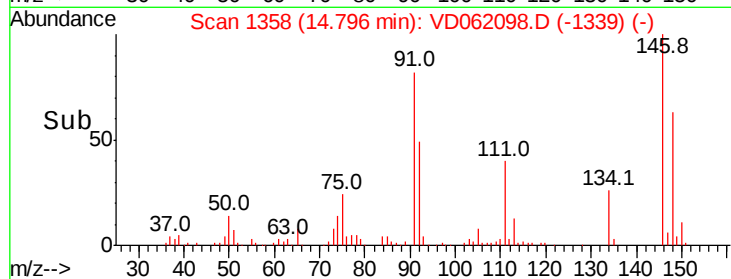
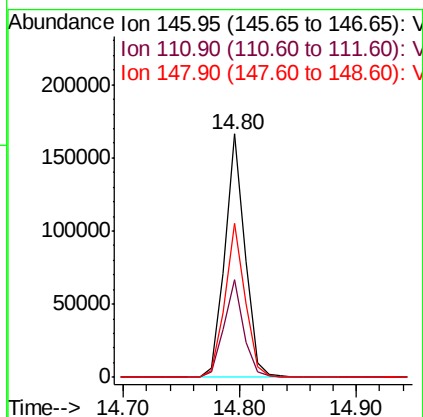
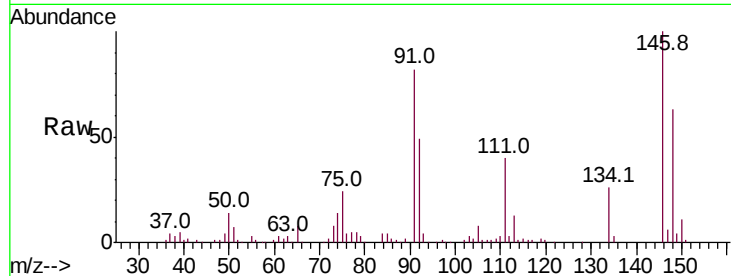




#91
 1,2-Dichlorobenzene
 Concen: 18.848 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

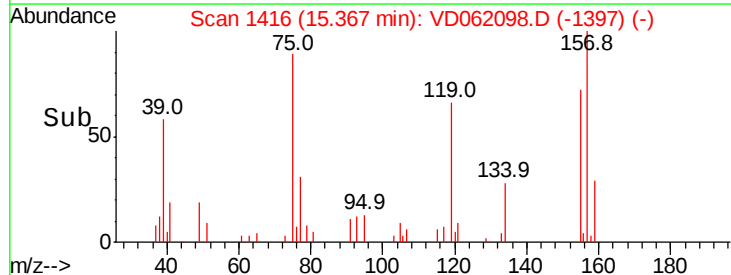
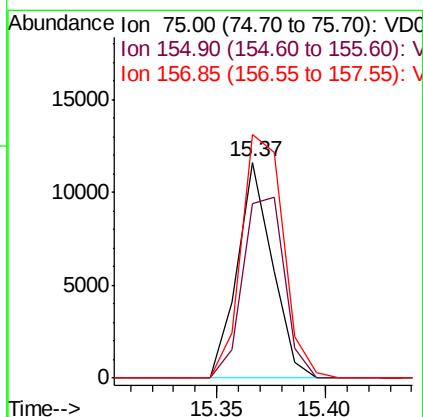
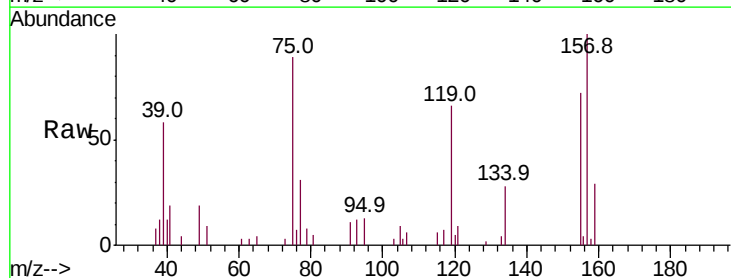
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

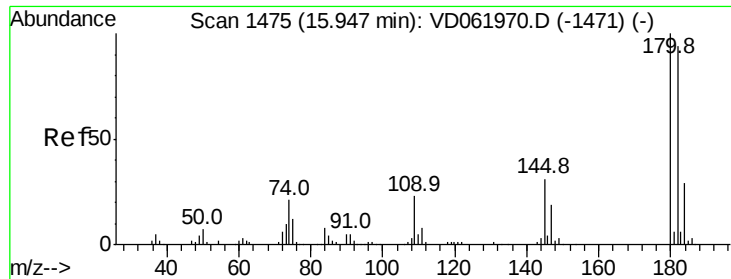
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.531 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	55.3	165.8
157	112.9	67.8	203.2

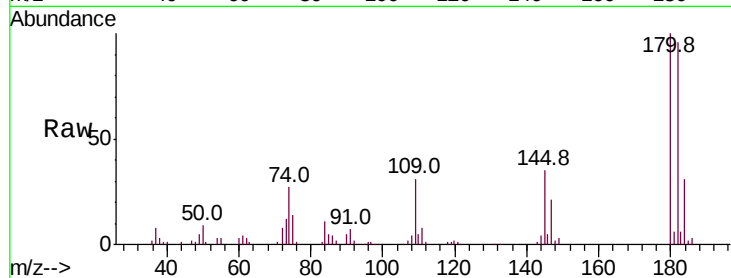




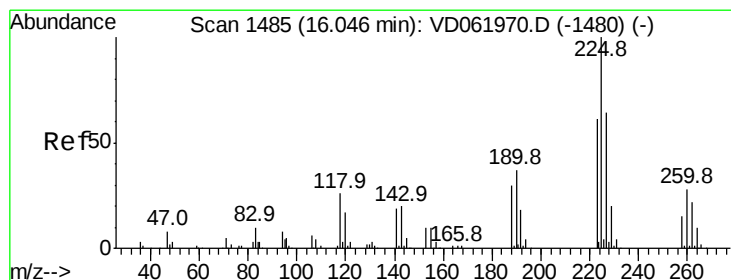
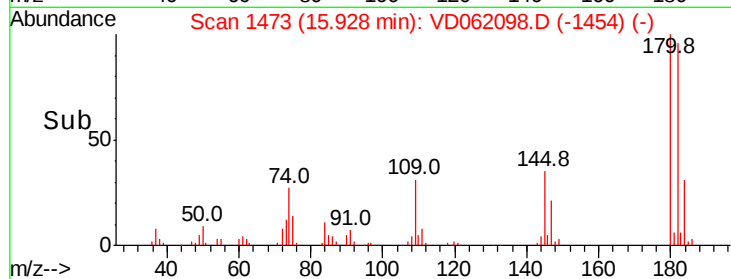
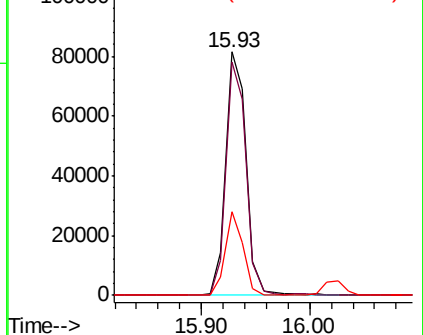
#93
 1,2,4-Trichlorobenzene
 Concen: 18.677 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Tot Ion:180 Resp: 106455
 Ion Ratio Lower Upper
 180 100
 182 95.8 49.3 147.8
 145 34.5 16.2 48.6

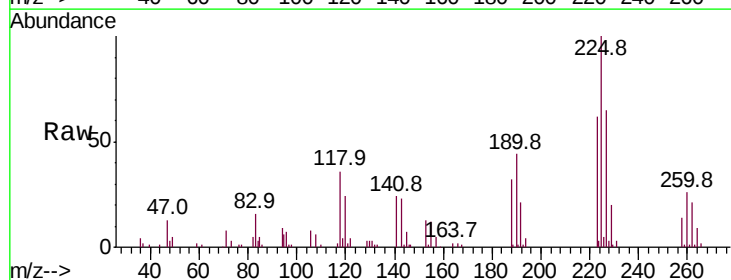


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

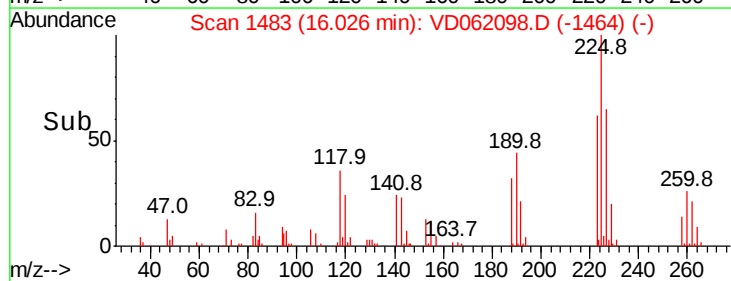
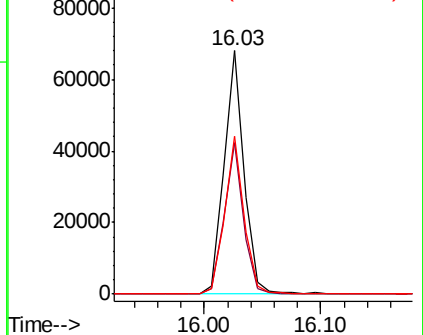


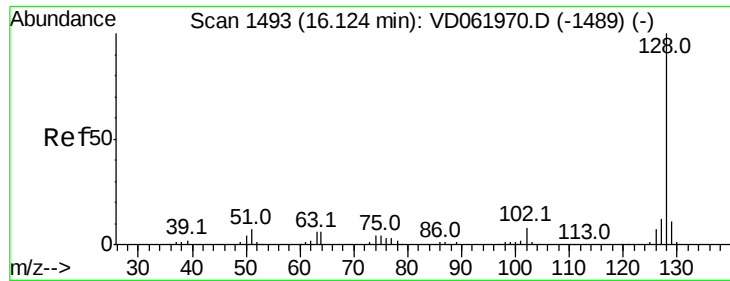
#94
 Hexachlorobutadiene
 Concen: 19.048 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062098.D
 Acq: 1 May 2019 13:04

Tgt Ion:225 Resp: 80344
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.6 92.0
 227 64.6 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 18.254 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

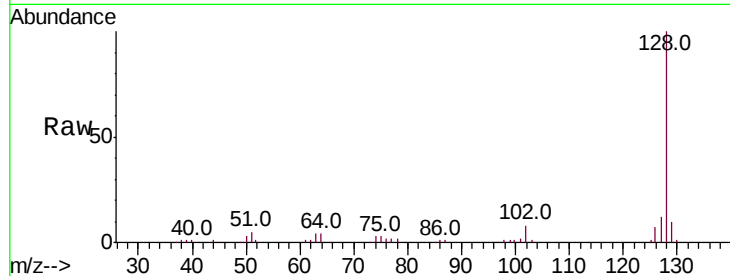
Tot Ion:128 Resp: 167985

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

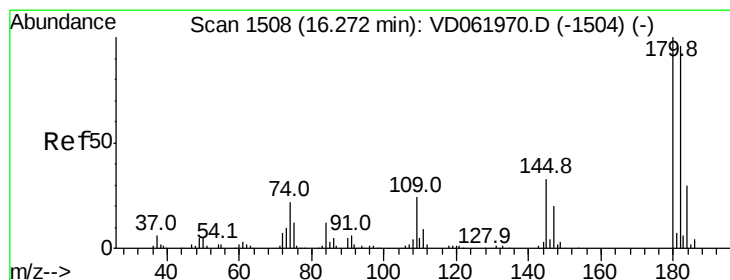
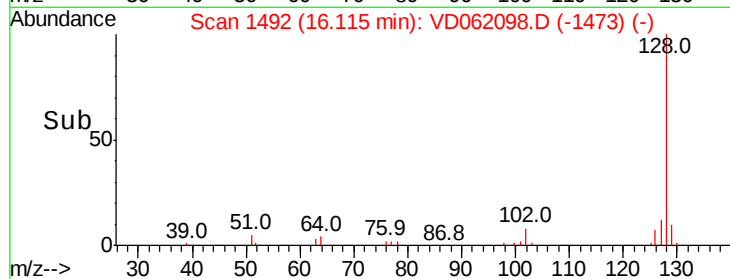
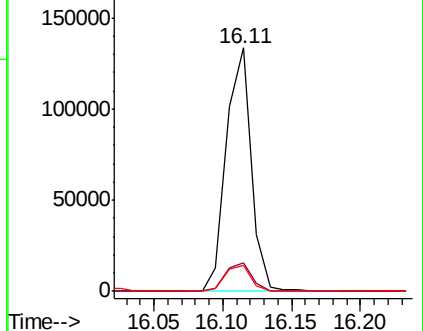
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.022 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD062098.D

Acq: 1 May 2019 13:04

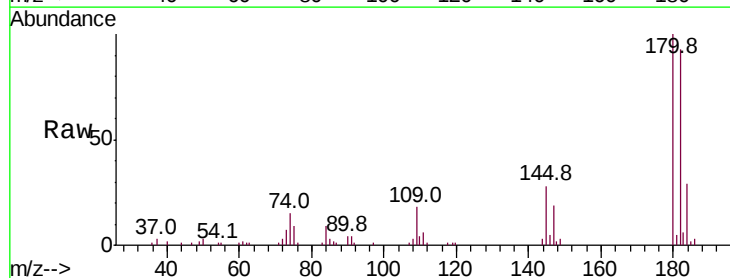
Tgt Ion:180 Resp: 64751

Ion Ratio Lower Upper

180 100

182 93.1 47.0 141.0

145 28.3 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

