

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062099.D
 Acq On : 1 May 2019 13:32
 Operator : FY/SY
 Sample : VD0501SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

Quant Time: May 02 00:55:29 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	514539	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	769139	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	694424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	306313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	208559	51.79	ug/l	-0.03
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	6.89	113	308121	57.92	ug/l	-0.04
Spiked Amount			Recovery	=	115.84%	
50) Toluene-d8	10.39	98	722258	57.06	ug/l	-0.03
Spiked Amount			Recovery	=	114.12%	
62) 4-Bromofluorobenzene	13.56	95	257616	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	84466	18.384	ug/l	96
3) Chloromethane	1.74	50	70164	17.968	ug/l	98
4) Vinyl Chloride	1.83	62	64782	18.304	ug/l	98
5) Bromomethane	2.13	94	20374	19.180	ug/l	92
6) Chloroethane	2.24	64	24978	19.523	ug/l	99
7) Trichlorofluoromethane	2.50	101	114472	21.391	ug/l	97
8) Diethyl Ether	2.85	74	29139	20.316	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.12	101	105895	21.481	ug/l	100
10) Methyl Iodide	3.28	142	114404	19.007	ug/l	97
11) Tert butyl alcohol	4.03	59	24062	105.752	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	85497	20.385	ug/l	99
13) Acrolein	3.01	56	22018	93.265	ug/l	93
14) Allyl chloride	3.59	41	105361	18.397	ug/l	99
15) Acrylonitrile	4.16	53	70457	100.001	ug/l	95
16) Acetone	3.19	43	91595	95.258	ug/l	95
17) Carbon Disulfide	3.35	76	213281	17.598	ug/l	96
18) Methyl Acetate	3.61	43	37797	20.394	ug/l	98
19) Methyl tert-butyl Ether	4.20	73	165195	19.852	ug/l	99
20) Methylene Chloride	3.78	84	88440	16.774	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	90795	18.871	ug/l	93
22) Diisopropyl ether	5.07	45	260352	19.472	ug/l	93
23) Vinyl Acetate	5.01	43	676933	97.217	ug/l	100
24) 1,1-Dichloroethane	4.95	63	151550	18.753	ug/l	99
25) 2-Butanone	6.04	43	102241	87.700	ug/l	100
26) 2,2-Dichloropropane	5.99	77	131053	18.588	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	97025	17.726	ug/l	100
28) Bromochloromethane	6.40	49	66098	21.376	ug/l	93
29) Tetrahydrofuran	6.42	42	50757	88.362	ug/l	95
30) Chloroform	6.64	83	174616	19.023	ug/l	93
31) Cyclohexane	6.92	56	109240	18.211	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	153324	19.198	ug/l	97
36) 1,1-Dichloropropene	7.12	75	128286	21.408	ug/l	98
37) Ethyl Acetate	6.15	43	49940	19.557	ug/l #	94
38) Carbon Tetrachloride	7.08	117	152867	20.132	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	109184	18.467	ug/l	98
40) Benzene	7.43	78	279057	18.810	ug/l	95
41) Methacrylonitrile	6.42	41	63847	21.429	ug/l #	85
42) 1,2-Dichloroethane	7.55	62	106528	21.149	ug/l	99
43) Isopropyl Acetate	9.23	43	67727	18.152	ug/l	95
44) Trichloroethene	8.52	130	111836	19.445	ug/l	96
45) 1,2-Dichloropropane	8.91	63	71048	18.878	ug/l	96
46) Dibromomethane	9.04	93	53406	19.721	ug/l	99
47) Bromodichloromethane	9.36	83	133546	20.871	ug/l	96
48) Methyl methacrylate	9.10	41	43468	20.419	ug/l	94
49) 1,4-Dioxane	9.05	88	10025	436.795	ug/l #	90
51) 4-Methyl-2-Pentanone	10.28	43	213714	93.660	ug/l	99
52) Toluene	10.49	92	179703	18.998	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	120032	22.348	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	132501	20.283	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	67719	21.324	ug/l	97
56) Ethyl methacrylate	11.03	69	67353	19.150	ug/l	97
57) 1,3-Dichloropropane	11.39	76	103208	21.043	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	204433	125.019	ug/l	99
59) 2-Hexanone	11.52	43	168589	98.493	ug/l	97
60) Dibromochloromethane	11.67	129	102423	19.492	ug/l	96
61) 1,2-Dibromoethane	11.80	107	78197	20.758	ug/l	99
64) Tetrachloroethene	11.25	164	93759	18.927	ug/l	97
65) Chlorobenzene	12.40	112	251724	19.183	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	99992	17.964	ug/l	98
67) Ethyl Benzene	12.52	91	377129	17.608	ug/l	98
68) m/p-Xylenes	12.66	106	287437	37.132	ug/l	97
69) o-Xylene	13.05	106	135220	19.092	ug/l	96
70) Styrene	13.07	104	246581	20.163	ug/l	100
71) Bromoform	13.23	173	60257	18.989	ug/l #	96
73) Isopropylbenzene	13.40	105	394175	19.291	ug/l	100
74) N-amyl acetate	13.26	43	94737	18.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	74599	18.630	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	77952	20.040	ug/l	97
77) Bromobenzene	13.67	156	108507	18.511	ug/l	90
78) n-propylbenzene	13.78	91	406532	17.380	ug/l	99
79) 2-Chlorotoluene	13.84	91	248941	17.570	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	319931	19.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	22552	19.132	ug/l	88
82) 4-Chlorotoluene	13.94	91	301423	19.318	ug/l	89
83) tert-Butylbenzene	14.19	119	385165	20.407	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	334629	21.510	ug/l	97
85) sec-Butylbenzene	14.37	105	355417	17.428	ug/l	99
86) p-Isopropyltoluene	14.49	119	342027	18.739	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	208964	20.357	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	193582	20.166	ug/l	98
89) n-Butylbenzene	14.80	91	331247	20.215	ug/l	96
90) Hexachloroethane	15.01	117	90064	18.249	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	175286	20.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10624	19.648	ug/l	84

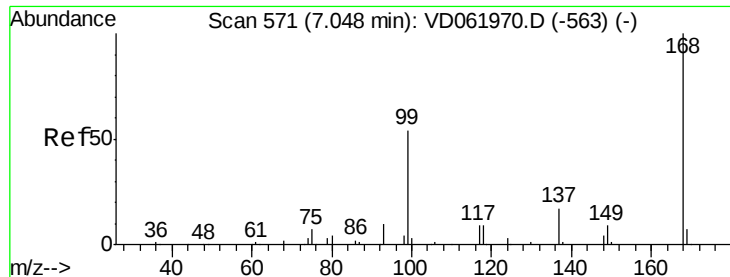
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	90484	19.806	ug/l	97
94) Hexachlorobutadiene	16.04	225	66051	19.536	ug/l	98
95) Naphthalene	16.13	128	141241	19.147	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	50834	19.611	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

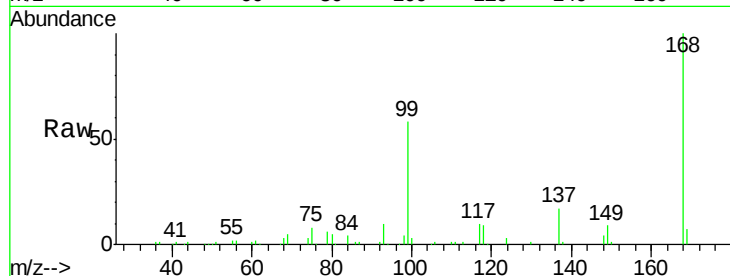
VD0501SBSD01

Tot Ion:168 Resp: 514539

Ion Ratio Lower Upper

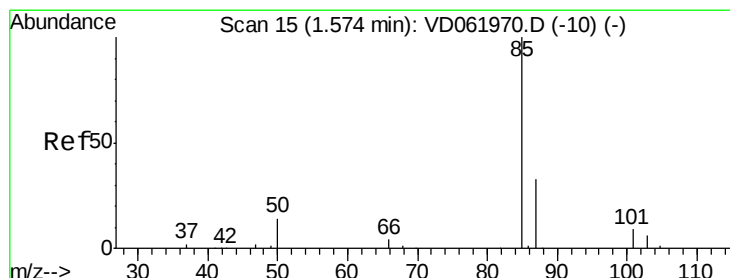
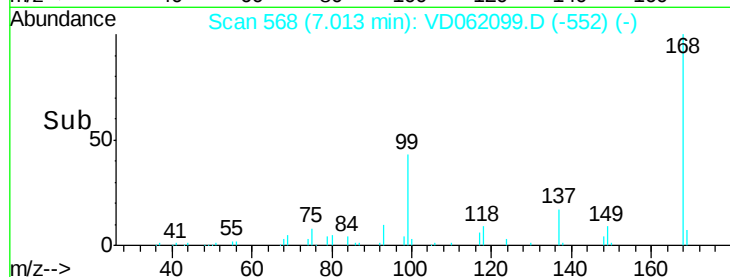
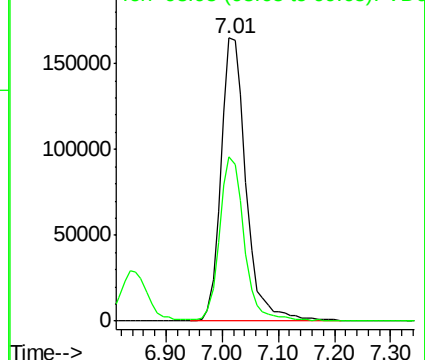
168 100

99 57.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.384 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.03 min

Lab File: VD062099.D

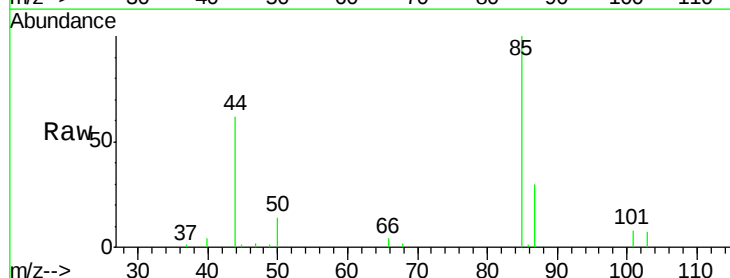
Acq: 1 May 2019 13:32

Tgt Ion: 85 Resp: 84466

Ion Ratio Lower Upper

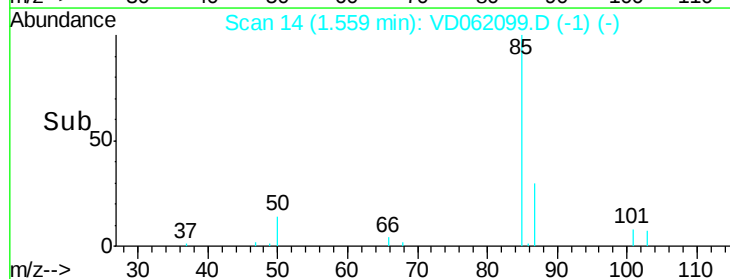
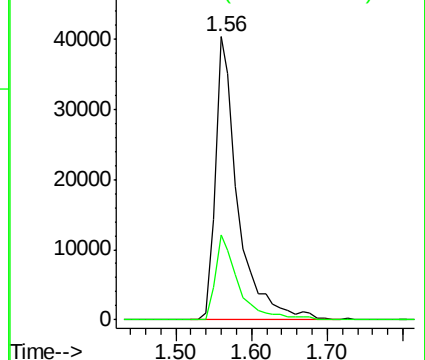
85 100

87 30.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

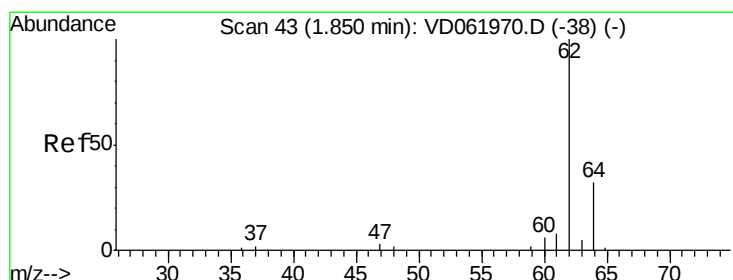
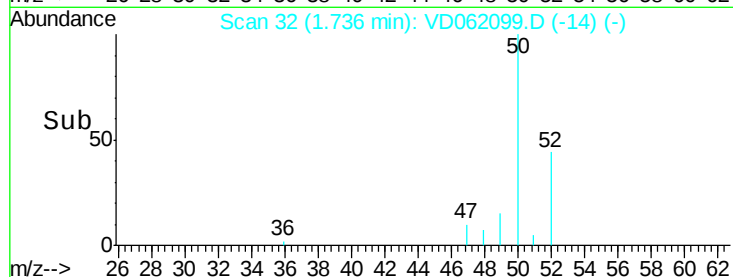
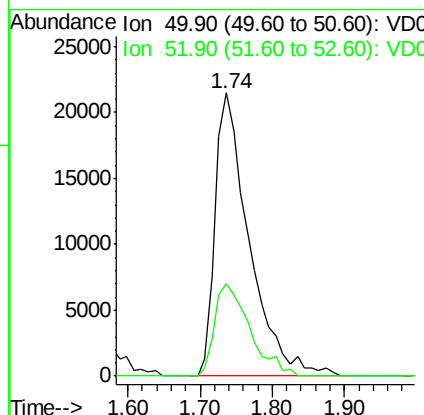
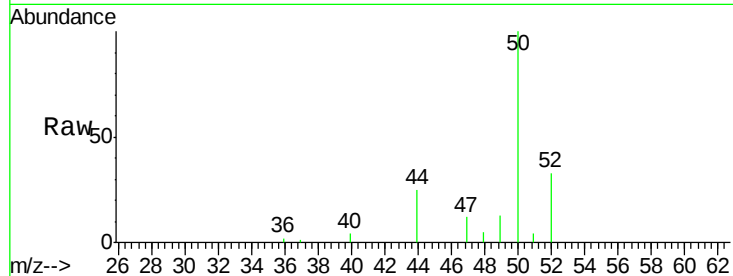




#3
 Chloromethane
 Concen: 17.968 ug/l
 RT: 1.74 min Scan# 32
 Delta R.T. -0.02 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

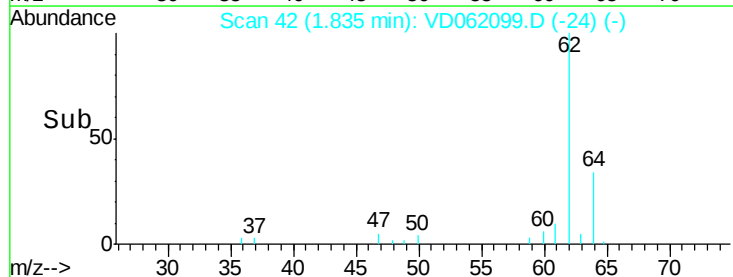
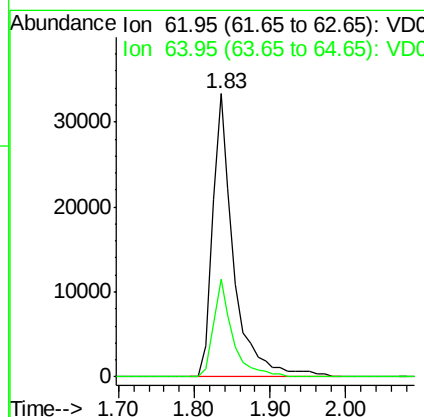
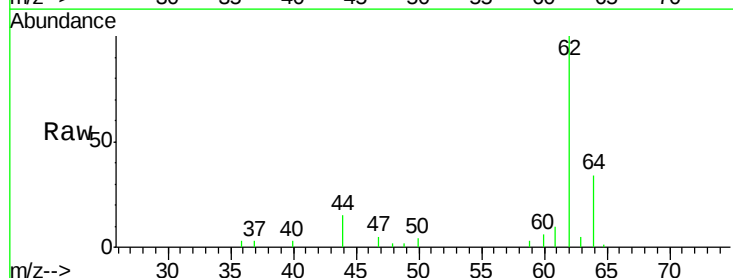
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

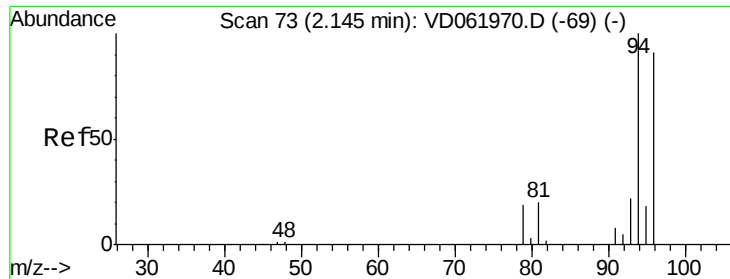
Tot Ion: 50 Resp: 70164
 Ion Ratio Lower Upper
 50 100
 52 32.7 25.2 37.8



#4
 Vinyl Chloride
 Concen: 18.304 ug/l
 RT: 1.83 min Scan# 42
 Delta R.T. -0.02 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion: 62 Resp: 64782
 Ion Ratio Lower Upper
 62 100
 64 34.5 26.5 39.7





#5

Bromomethane

Concen: 19.180 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

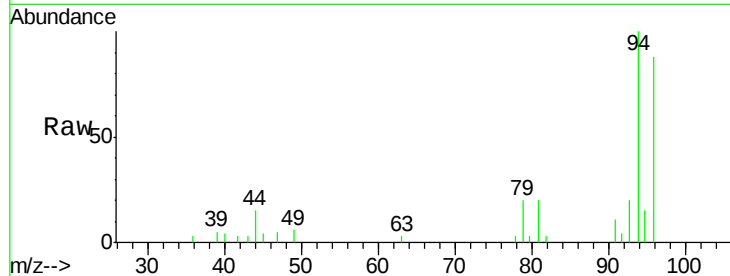
Tot Ion: 94 Resp: 20374

Ion Ratio Lower Upper

94 100

96 87.7 76.6 115.0

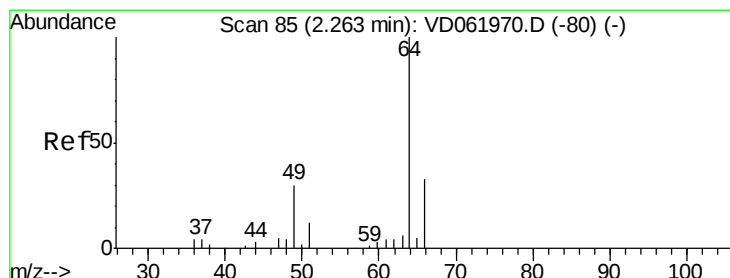
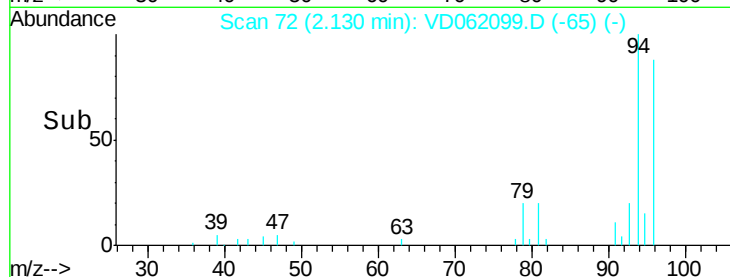
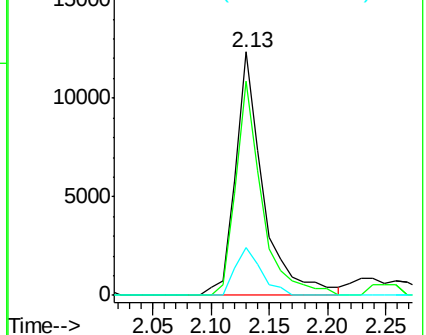
93 19.8 18.5 27.7



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: 19.523 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062099.D

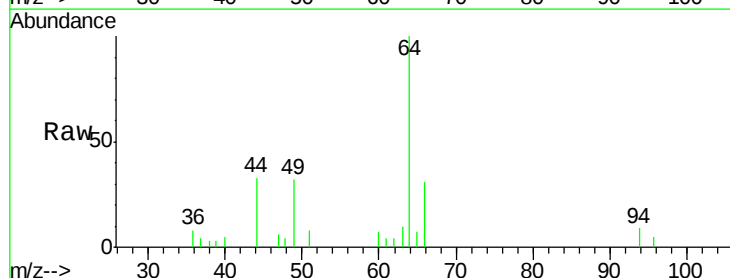
Acq: 1 May 2019 13:32

Tgt Ion: 64 Resp: 24978

Ion Ratio Lower Upper

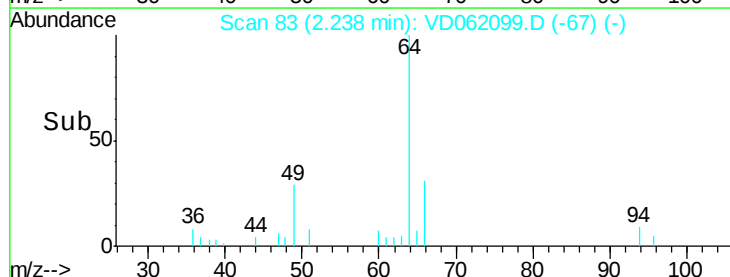
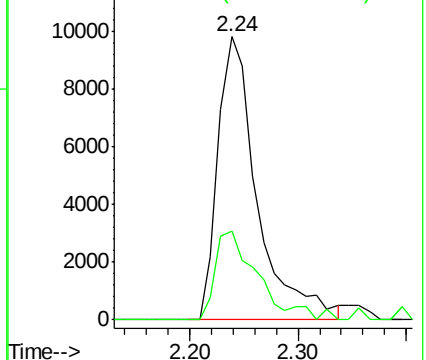
64 100

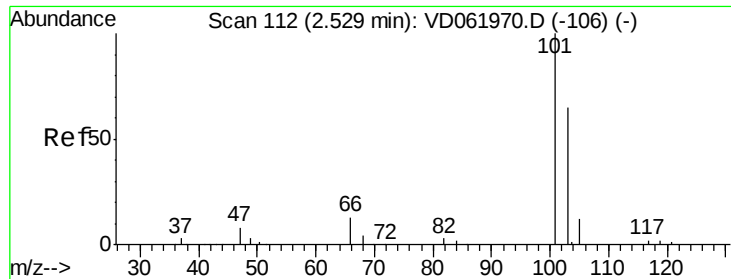
66 31.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



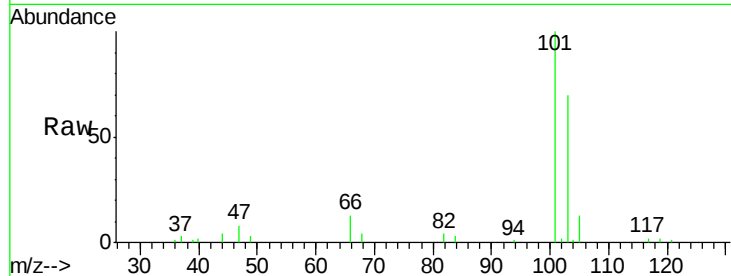


#7

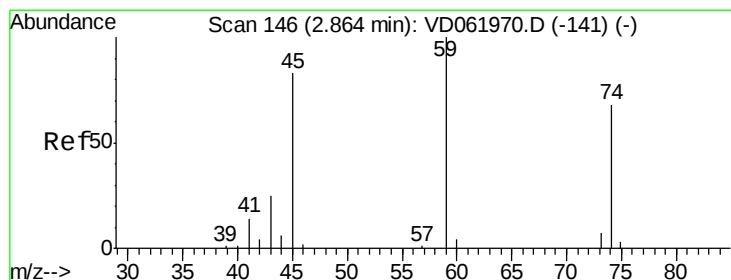
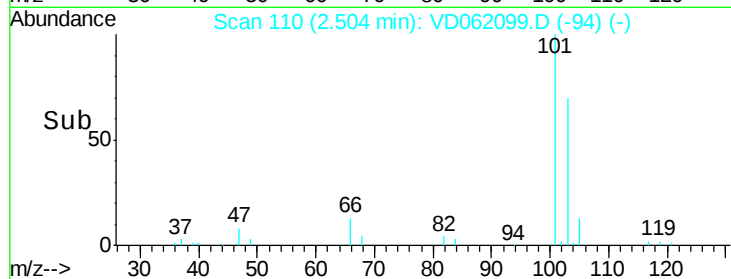
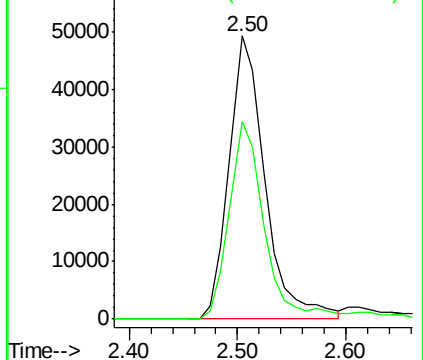
Trichlorofluoromethane
Concen: 21.391 ug/l
RT: 2.50 min Scan# 110
Delta R.T. -0.04 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
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ClientSampleId :
VD0501SBSD01

Tot Ion:101 Resp: 114472
Ion Ratio Lower Upper
101 100
103 69.7 53.6 80.4



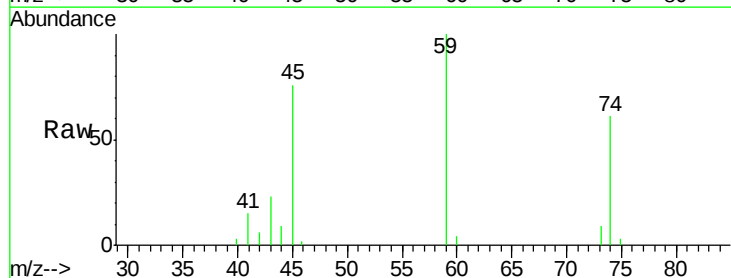
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



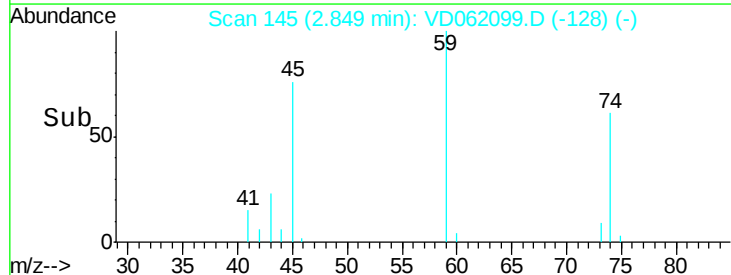
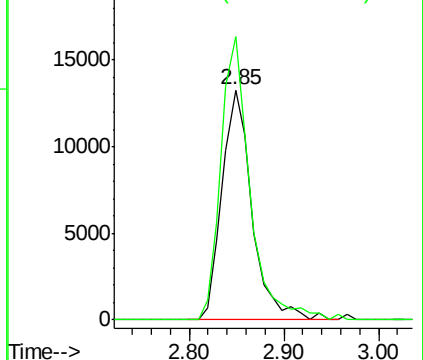
#8

Diethyl Ether
Concen: 20.316 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 74 Resp: 29139
Ion Ratio Lower Upper
74 100
45 123.3 56.9 170.7



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

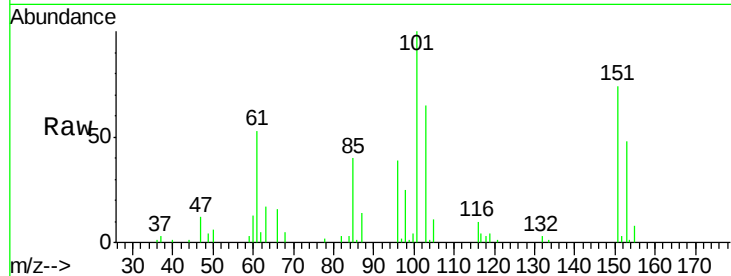




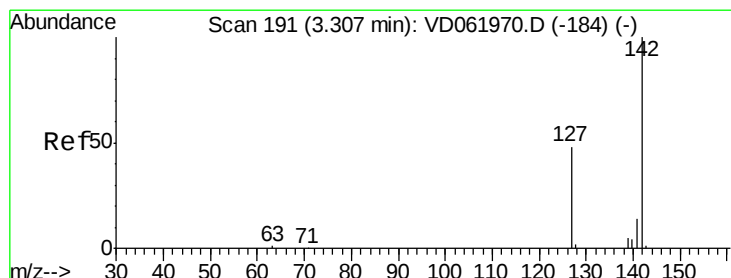
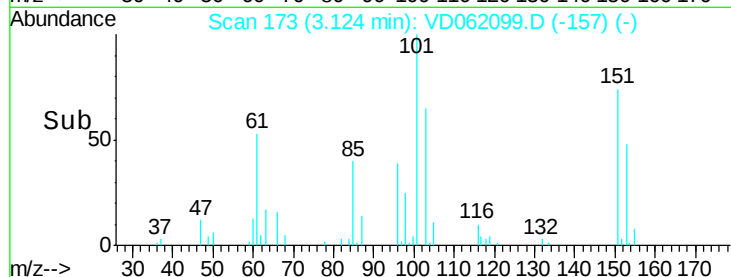
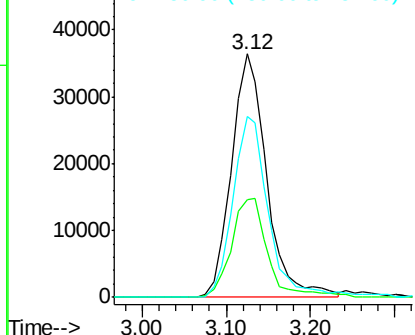
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.481 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.04 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
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 VD0501SBSD01

Tot Ion:101 Resp: 105895
 Ion Ratio Lower Upper
 101 100
 85 40.2 32.4 48.6
 151 74.1 59.4 89.0

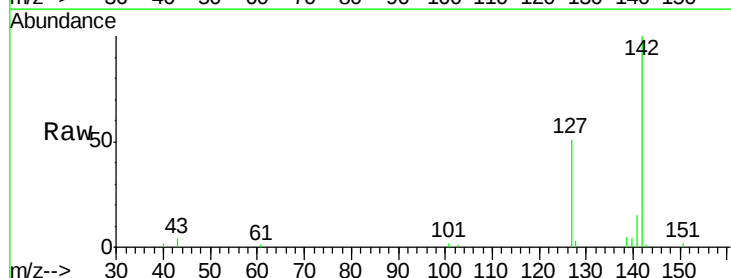


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

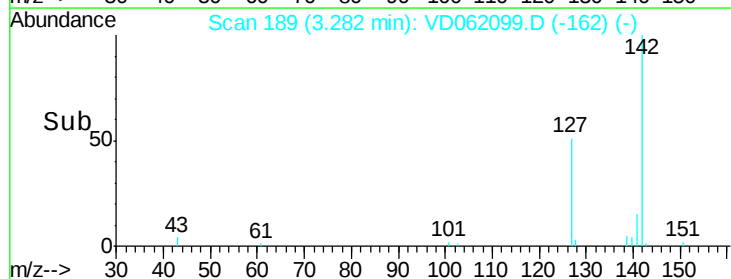
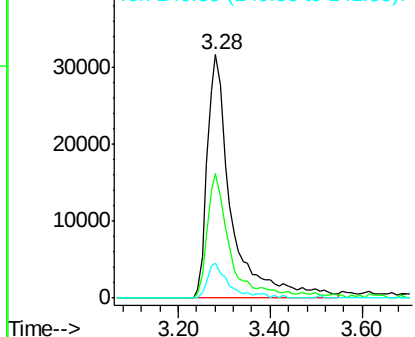


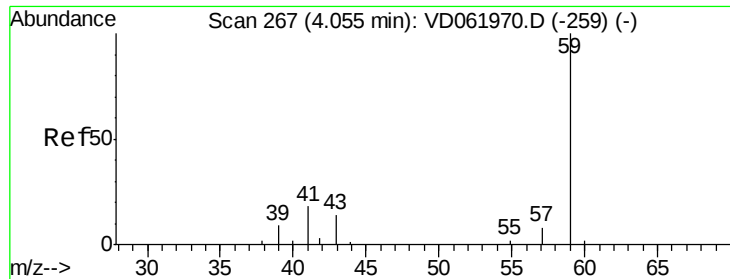
#10
 Methyl Iodide
 Concen: 19.007 ug/l
 RT: 3.28 min Scan# 189
 Delta R.T. -0.04 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion:142 Resp: 114404
 Ion Ratio Lower Upper
 142 100
 127 51.4 38.8 58.2
 141 14.6 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



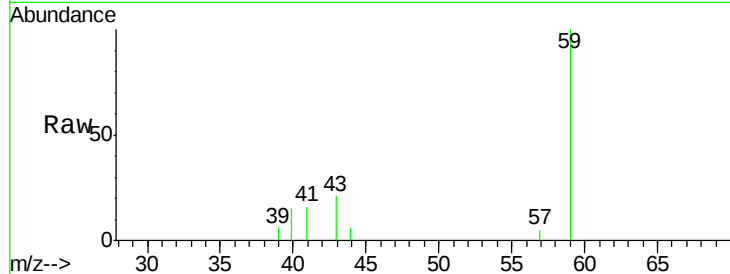


#11

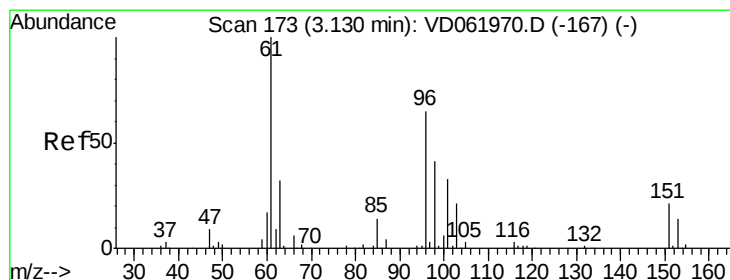
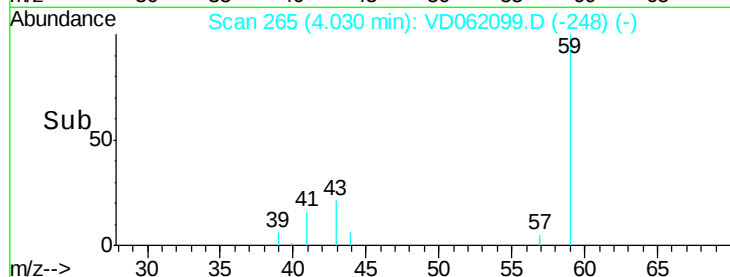
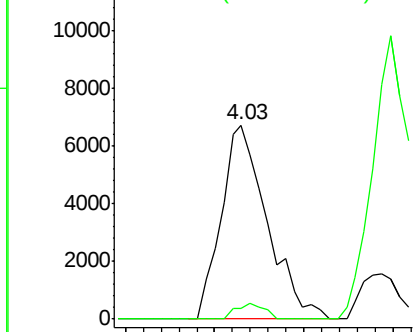
Tert butyl alcohol
Concen: 105.752 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

Tot Ion: 59 Resp: 24062
Ion Ratio Lower Upper
59 100
57 5.4 6.9 10.3#



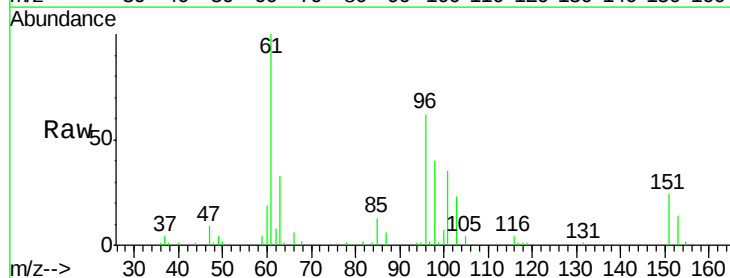
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



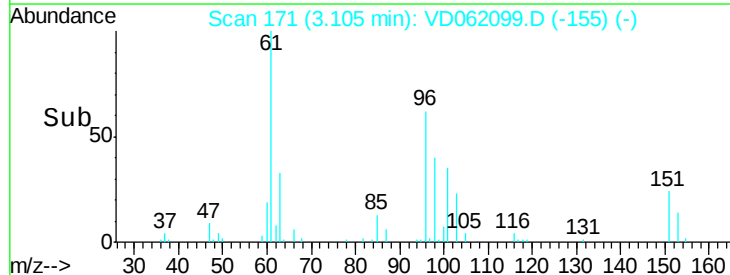
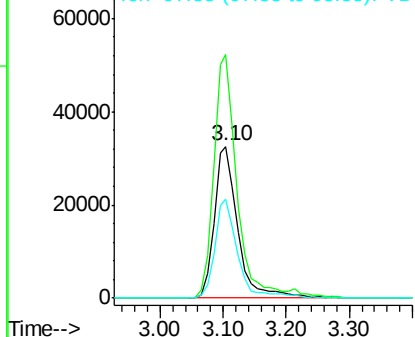
#12

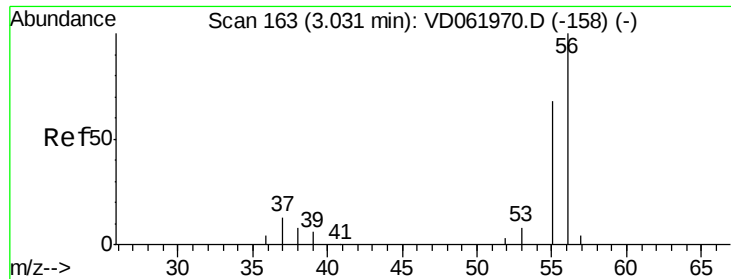
1,1-Dichloroethene
Concen: 20.385 ug/l
RT: 3.10 min Scan# 171
Delta R.T. -0.04 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 96 Resp: 85497
Ion Ratio Lower Upper
96 100
61 160.6 129.8 194.8
98 65.0 51.2 76.8



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





#13

Acrolein

Concen: 93.265 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

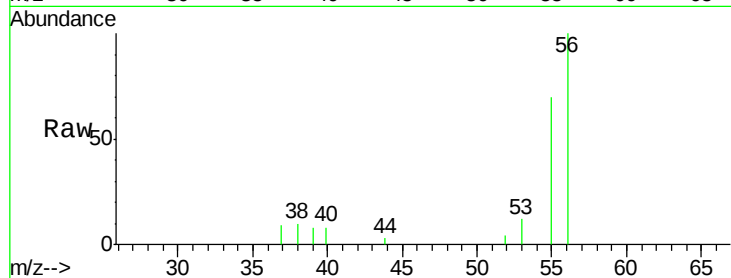
VD0501SBS01

Tot Ion: 56 Resp: 22018

Ion Ratio Lower Upper

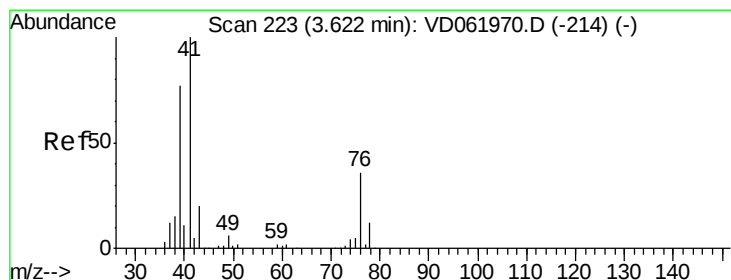
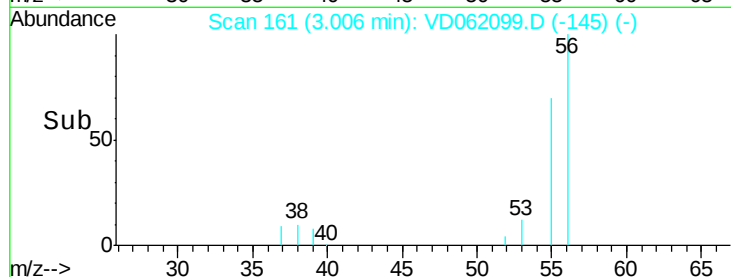
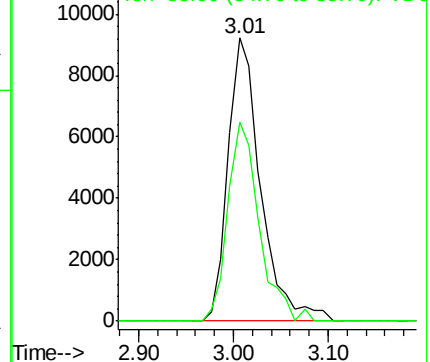
56 100

55 70.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.397 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.05 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

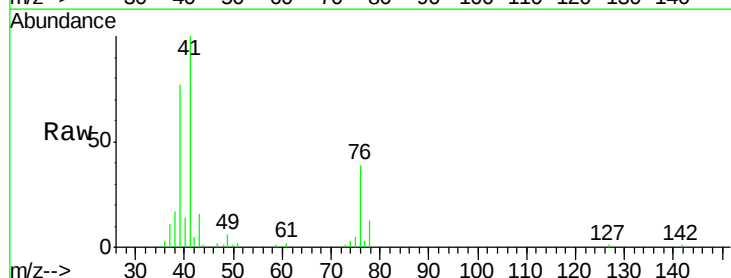
Tgt Ion: 41 Resp: 105361

Ion Ratio Lower Upper

41 100

39 76.5 60.5 90.7

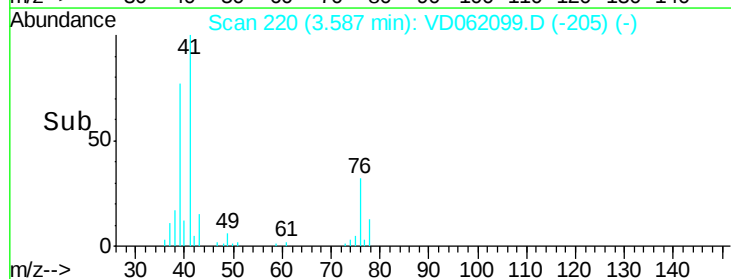
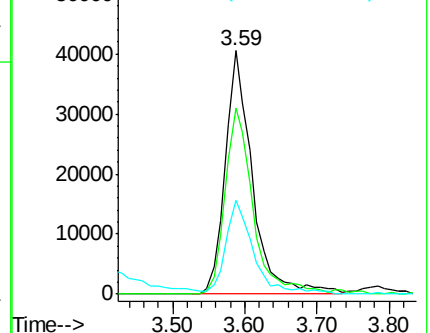
76 38.7 31.8 47.8

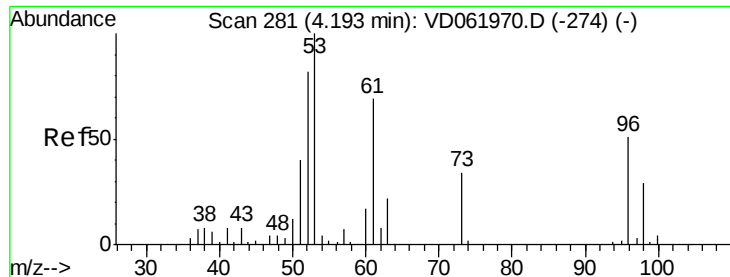


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 100.001 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.05 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

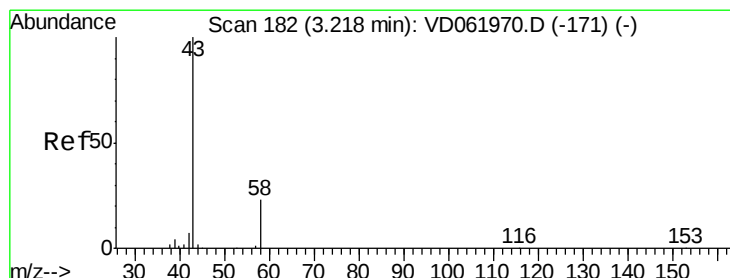
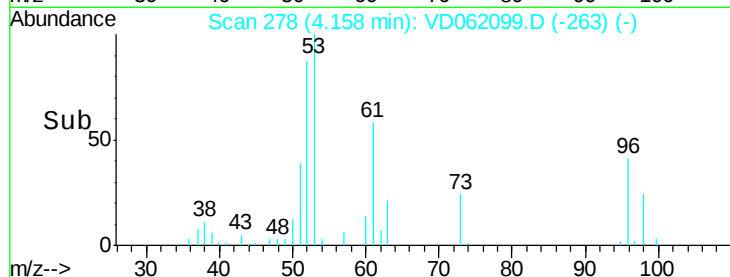
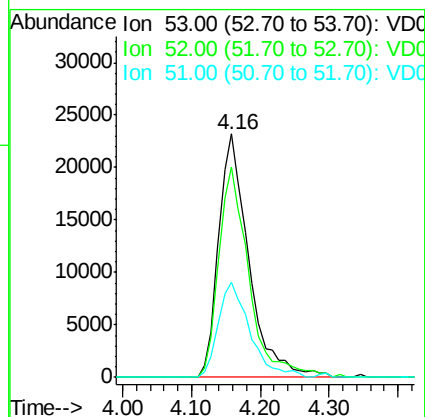
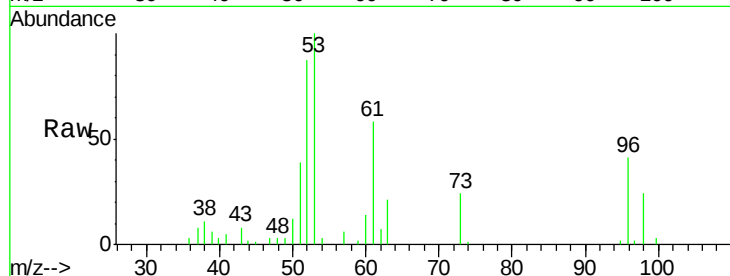
Tot Ion: 53 Resp: 70457

Ion Ratio Lower Upper

53 100

52 86.5 65.0 97.4

51 39.2 32.6 48.8



#16

Acetone

Concen: 95.258 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062099.D

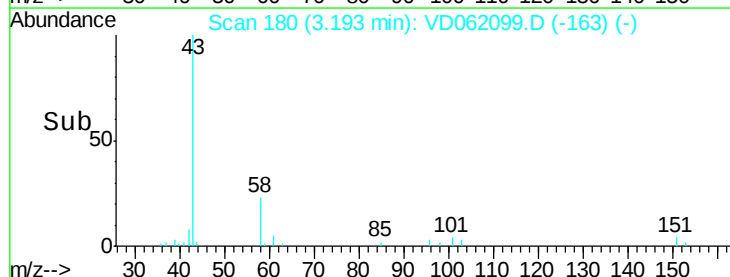
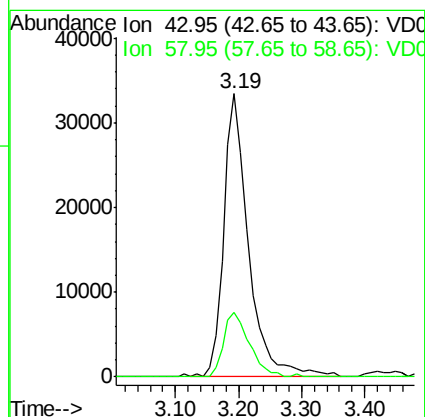
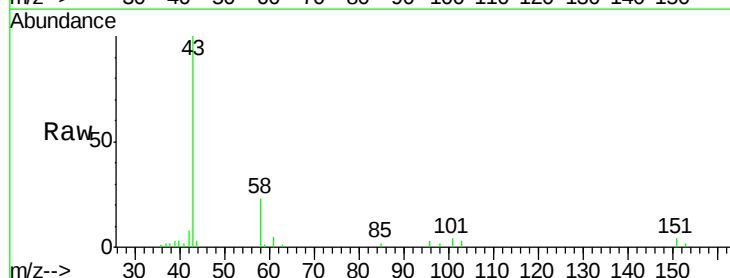
Acq: 1 May 2019 13:32

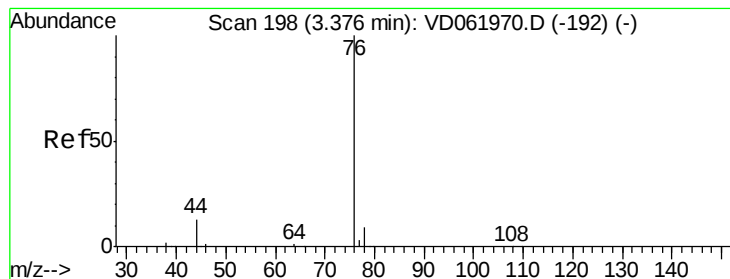
Tgt Ion: 43 Resp: 91595

Ion Ratio Lower Upper

43 100

58 22.6 19.9 29.9





#17

Carbon Disulfide

Concen: 17.598 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

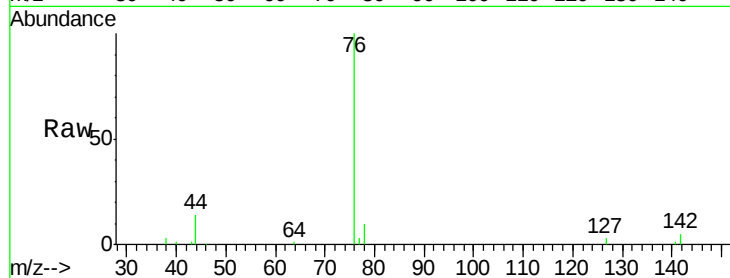
VD0501SBSD01

Tot Ion: 76 Resp: 213281

Ion Ratio Lower Upper

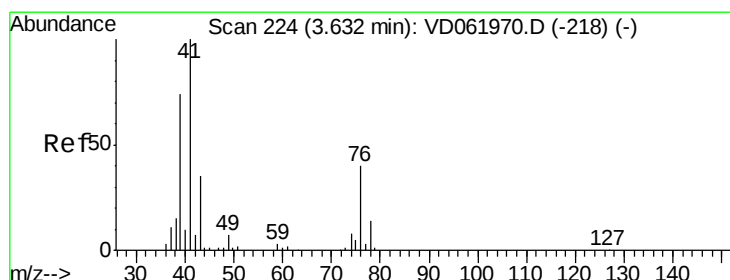
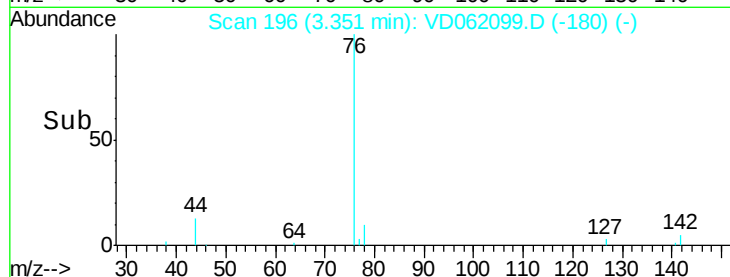
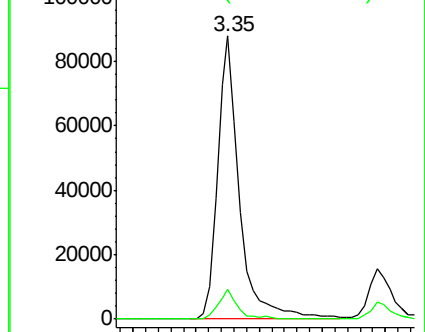
76 100

78 10.4 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.394 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.04 min

Lab File: VD062099.D

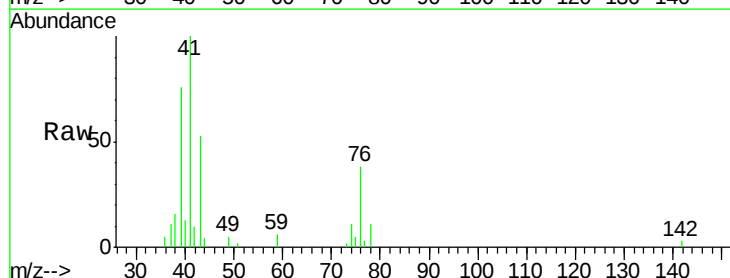
Acq: 1 May 2019 13:32

Tgt Ion: 43 Resp: 37797

Ion Ratio Lower Upper

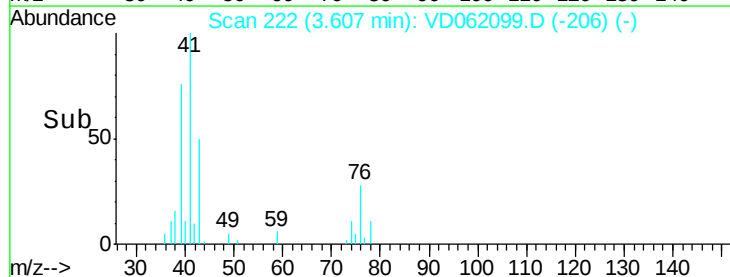
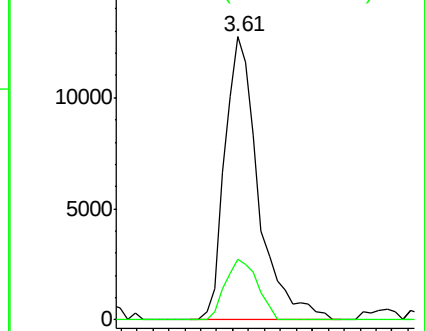
43 100

74 21.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

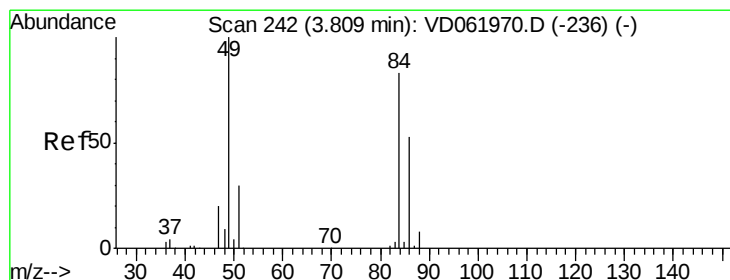
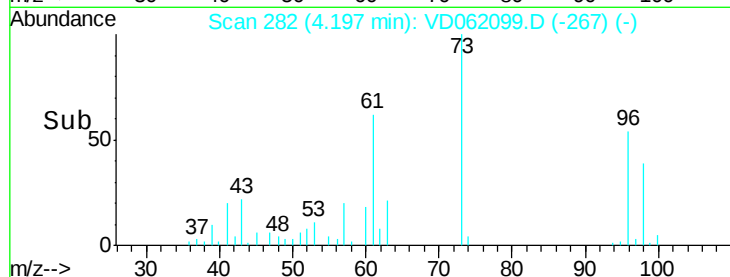
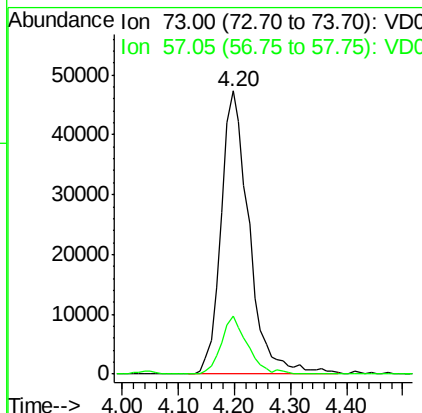
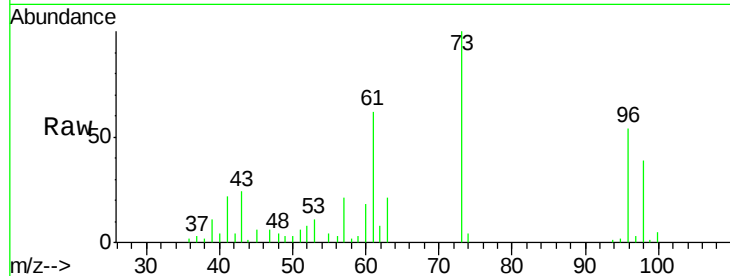




#19
Methyl tert-butyl Ether
Concen: 19.852 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.05 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

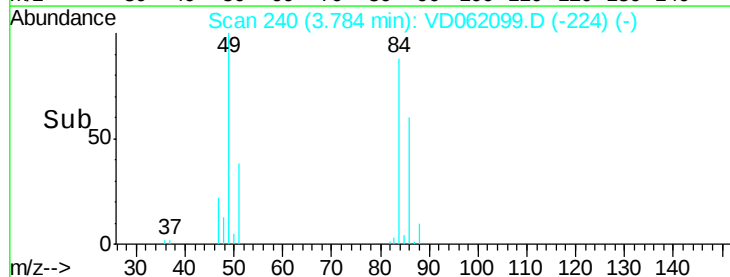
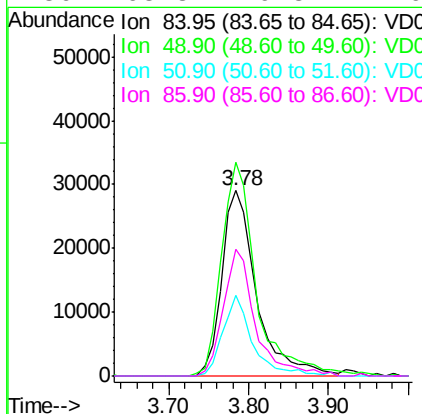
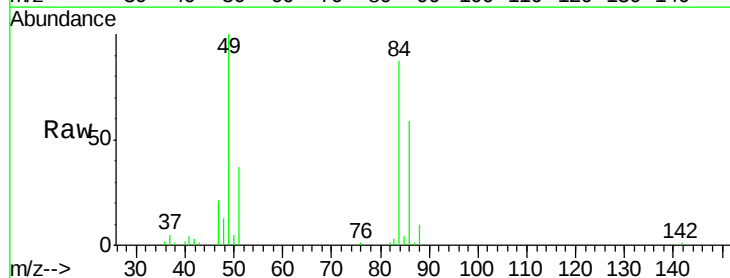
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

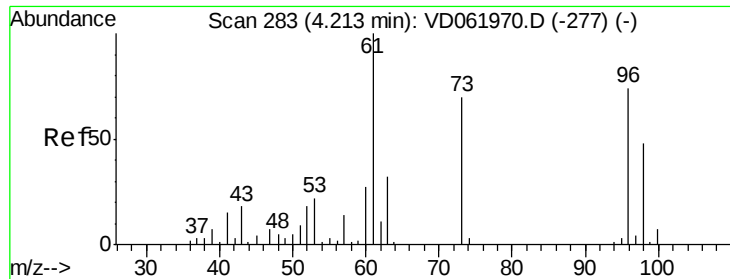
Tot Ion: 73 Resp: 165195
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5



#20
Methylene Chloride
Concen: 16.774 ug/l
RT: 3.78 min Scan# 240
Delta R.T. -0.04 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 84 Resp: 88440
Ion Ratio Lower Upper
84 100
49 115.3 94.0 141.0
51 43.2 29.0 43.4
86 68.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.871 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

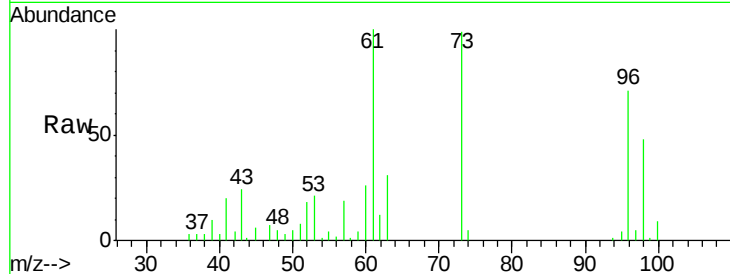
Tot Ion: 96 Resp: 90795

Ion Ratio Lower Upper

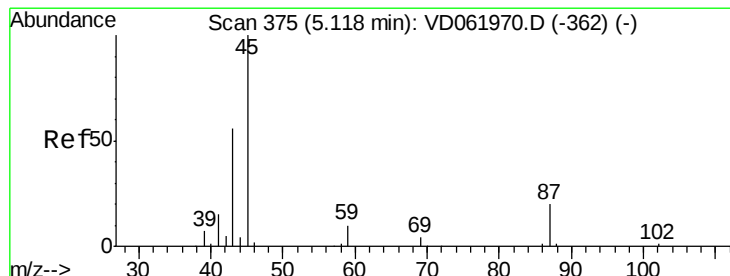
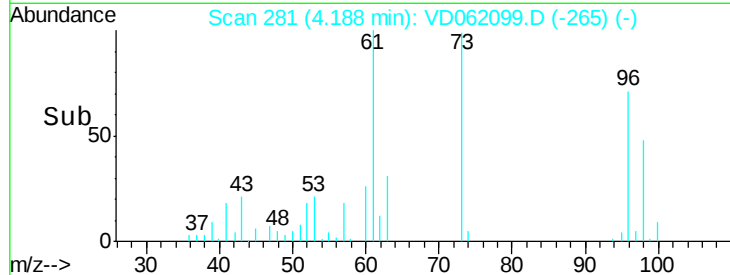
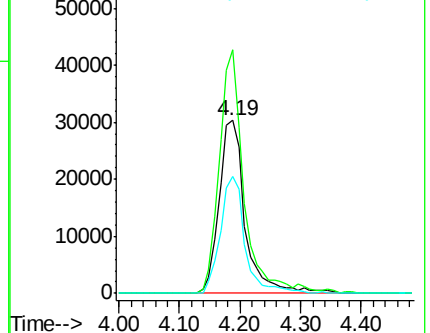
96 100

61 140.7 104.4 156.6

98 67.6 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: 19.472 ug/l

RT: 5.07 min Scan# 371

Delta R.T. -0.05 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Tgt Ion: 45 Resp: 260352

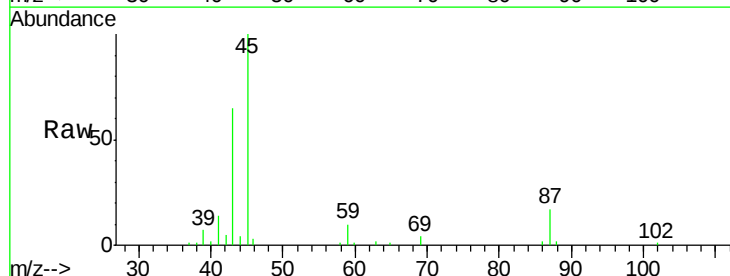
Ion Ratio Lower Upper

45 100

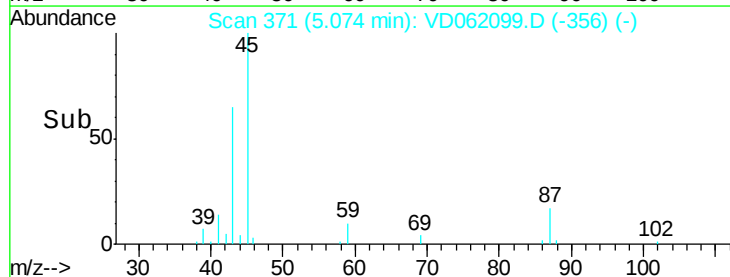
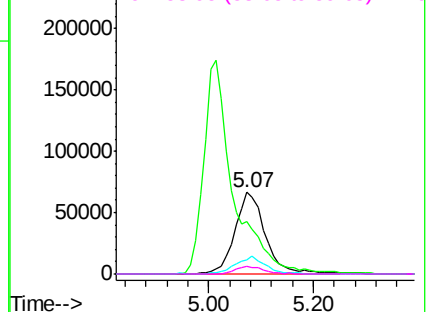
43 64.6 46.2 69.2

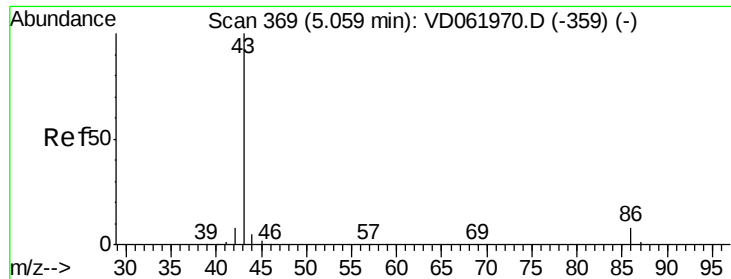
87 17.5 15.9 23.9

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: 97.217 ug/l

RT: 5.01 min Scan# 365

Delta R.T. -0.05 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

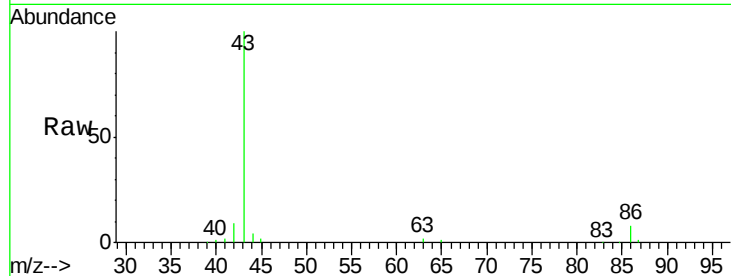
VD0501SBS01

Tot Ion: 43 Resp: 676933

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.01

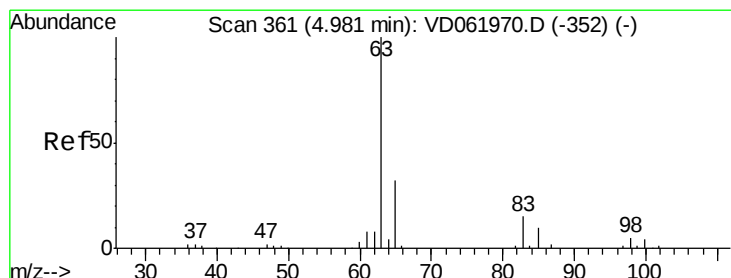
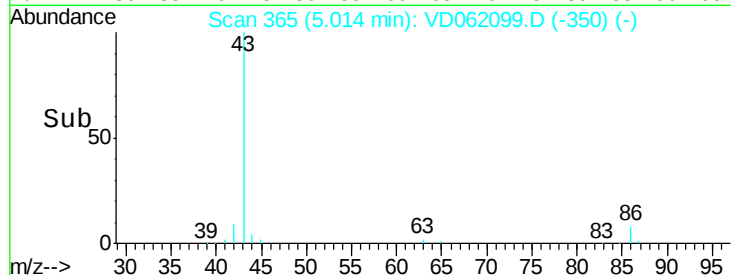
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.753 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.05 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

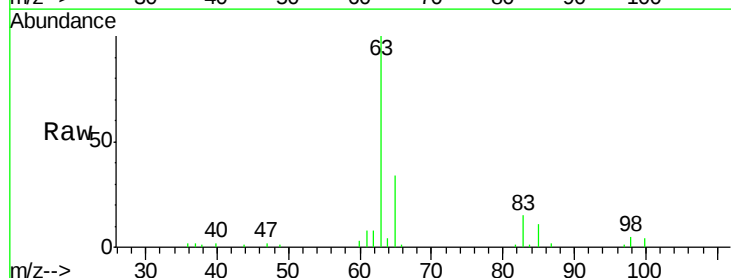
Tgt Ion: 63 Resp: 151550

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

100 3.7 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.95

50000

40000

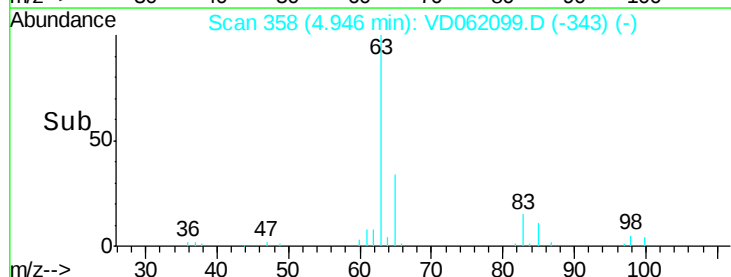
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 87.700 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

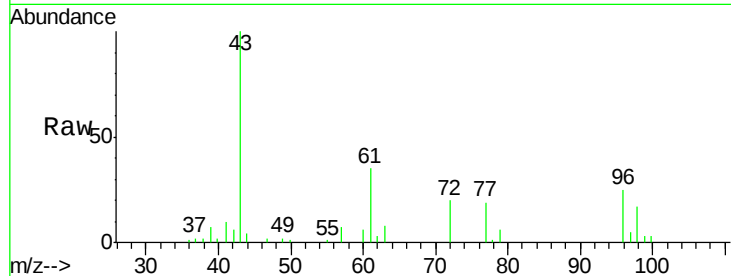
VD0501SBSD01

Tot Ion: 43 Resp: 102241

Ion Ratio Lower Upper

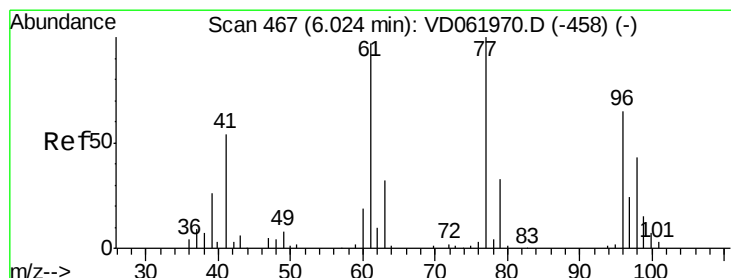
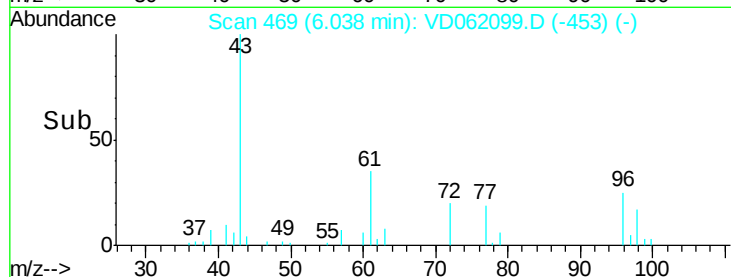
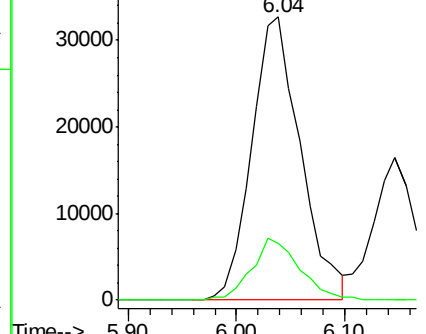
43 100

72 20.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.588 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.04 min

Lab File: VD062099.D

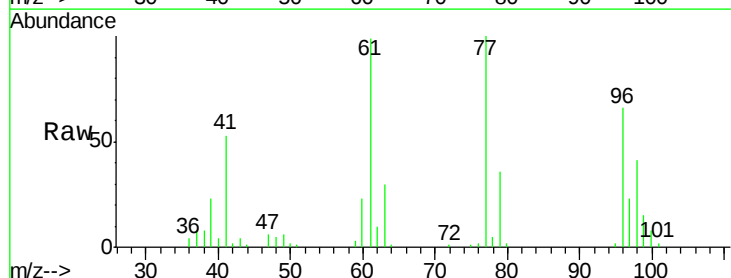
Acq: 1 May 2019 13:32

Tgt Ion: 77 Resp: 131053

Ion Ratio Lower Upper

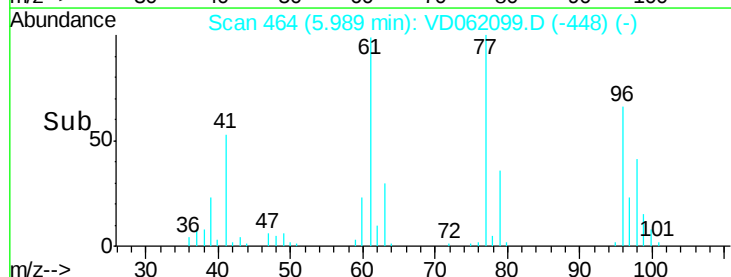
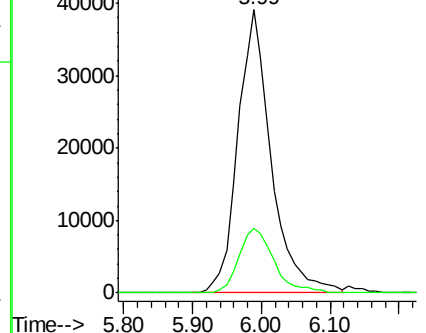
77 100

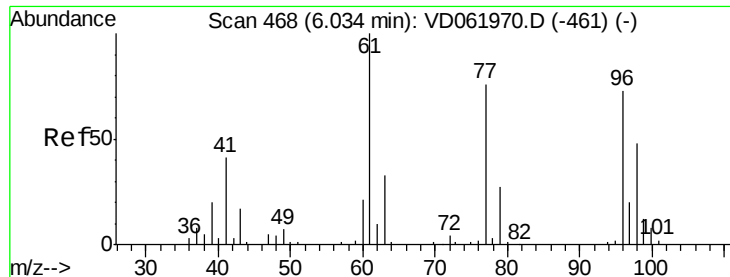
97 22.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



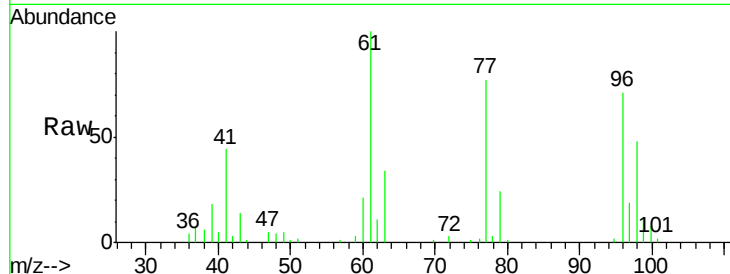


#27

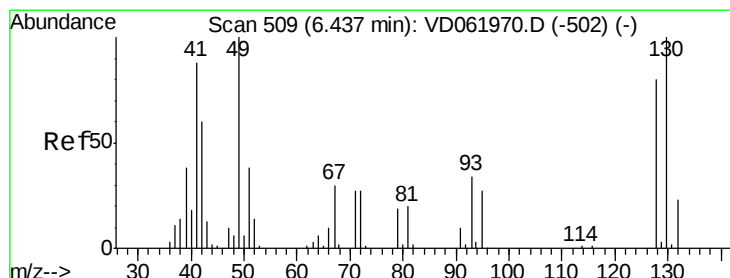
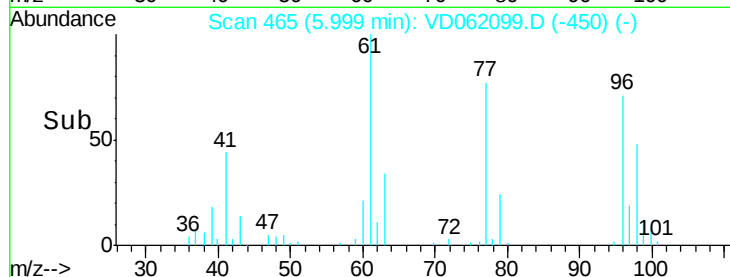
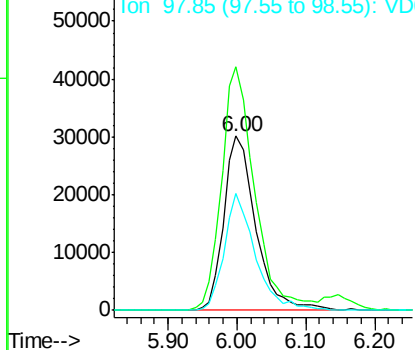
cis-1,2-Dichloroethene
Concen: 17.726 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.05 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Tot Ion: 96 Resp: 97025
Ion Ratio Lower Upper
96 100
61 140.0 0.0 279.8
98 67.2 0.0 136.0



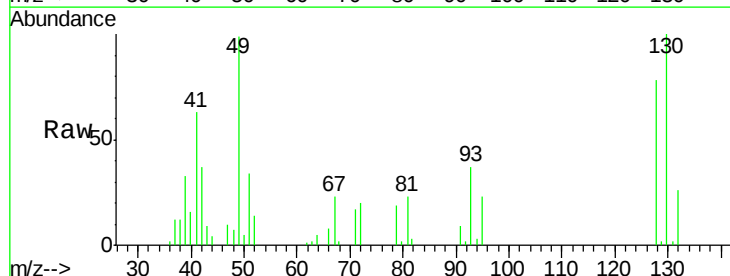
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



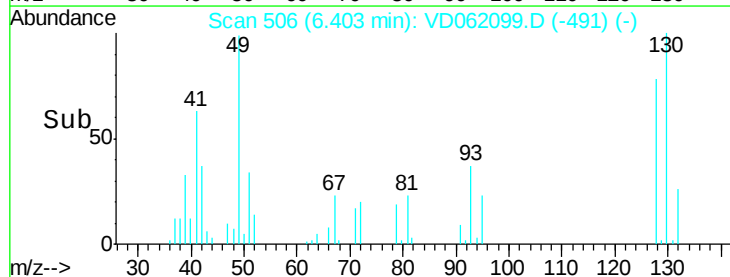
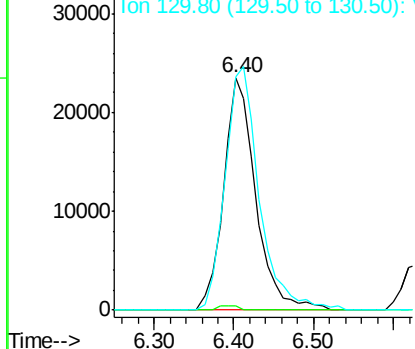
#28

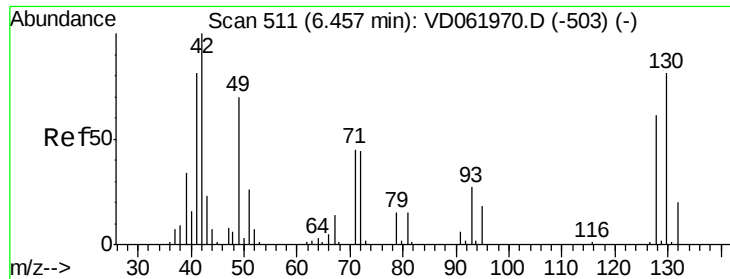
Bromochloromethane
Concen: 21.376 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.05 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 49 Resp: 66098
Ion Ratio Lower Upper
49 100
129 1.9 0.0 6.6
130 100.5 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 88.362 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

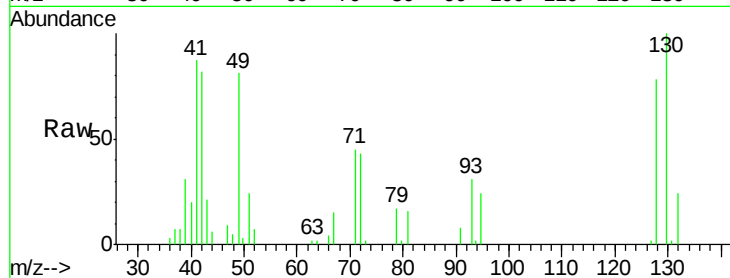
Tot Ion: 42 Resp: 50757

Ion Ratio Lower Upper

42 100

72 49.5 37.8 56.6

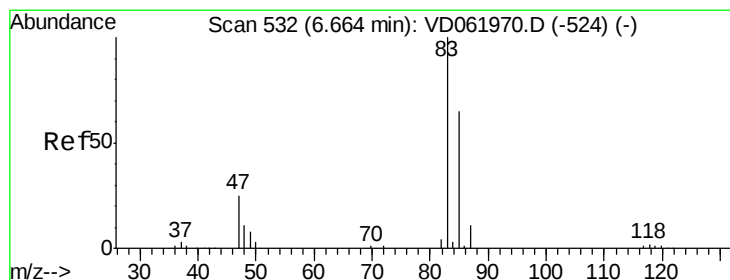
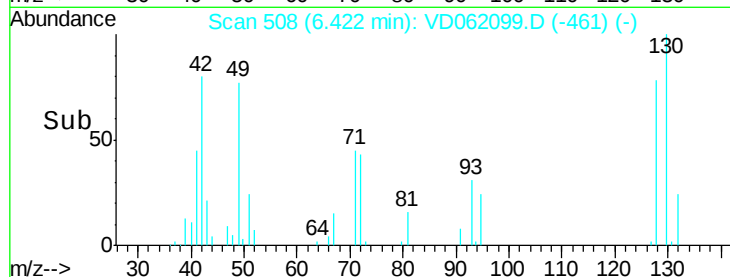
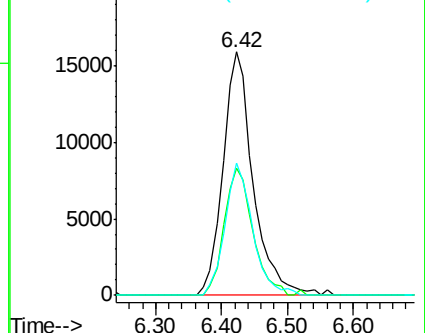
71 49.8 36.7 55.1



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: 19.023 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.04 min

Lab File: VD062099.D

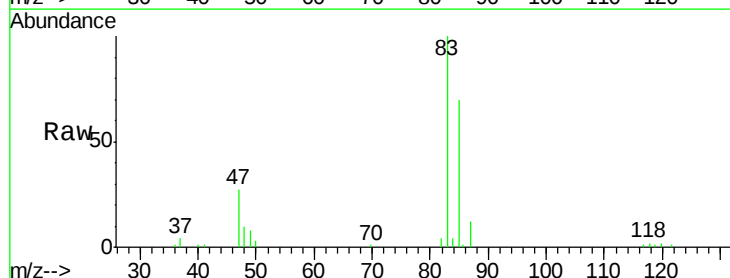
Acq: 1 May 2019 13:32

Tgt Ion: 83 Resp: 174616

Ion Ratio Lower Upper

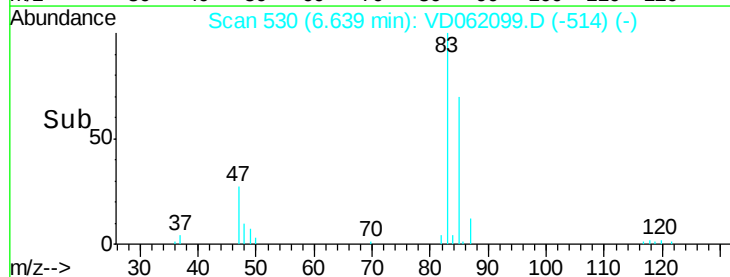
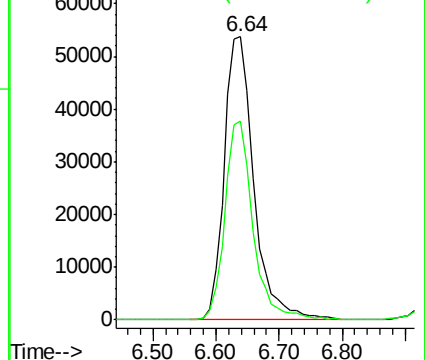
83 100

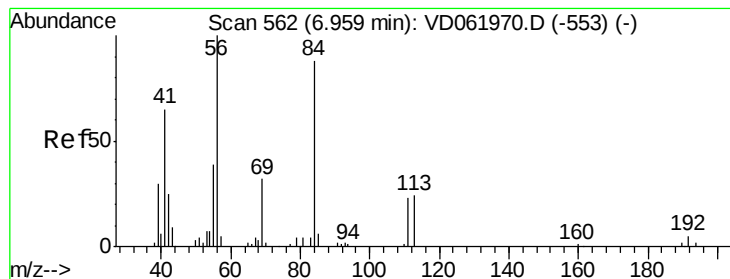
85 70.3 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.211 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

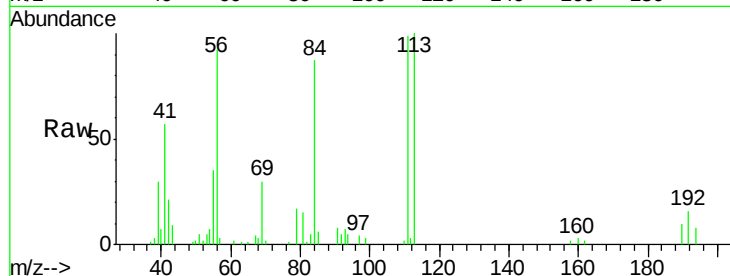
Tot Ion: 56 Resp: 109240

Ion Ratio Lower Upper

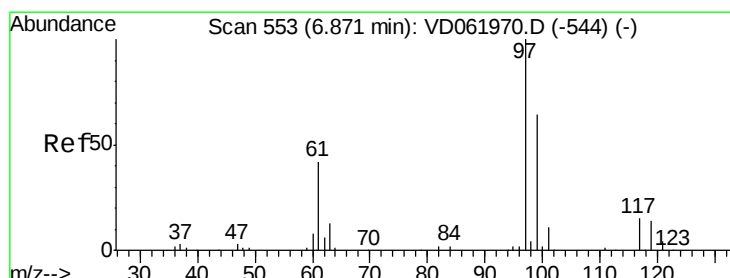
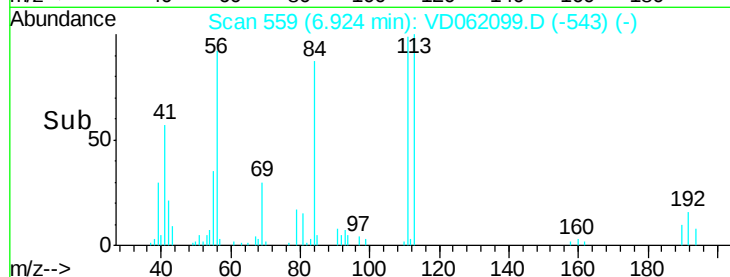
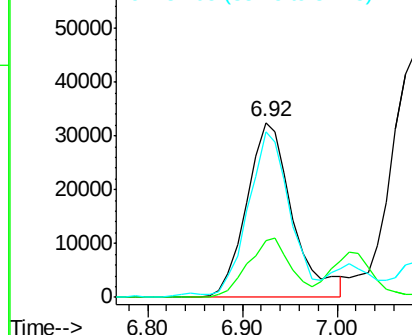
56 100

69 32.2 25.8 38.6

84 94.4 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: 19.198 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

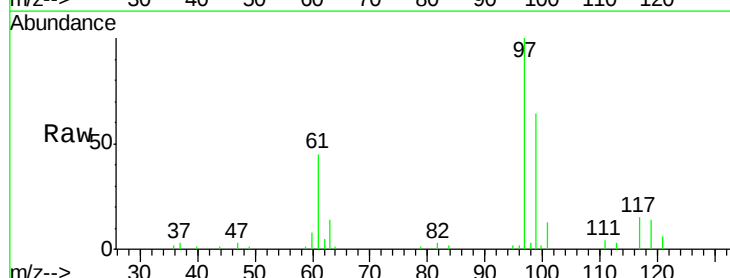
Tgt Ion: 97 Resp: 153324

Ion Ratio Lower Upper

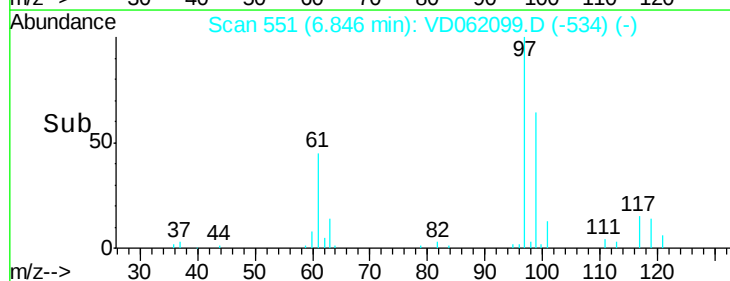
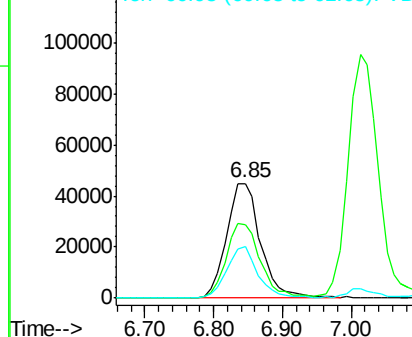
97 100

99 64.1 52.2 78.2

61 44.6 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: 51.789 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

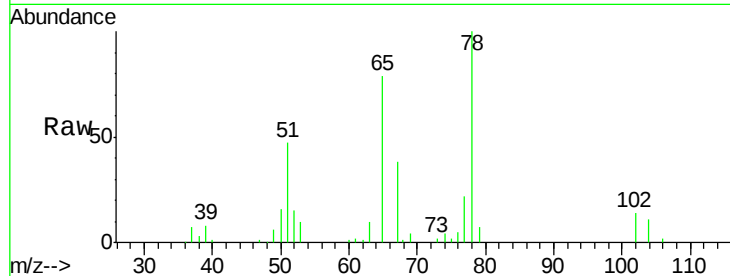
VD0501SBSD01

Tot Ion: 65 Resp: 208559

Ion Ratio Lower Upper

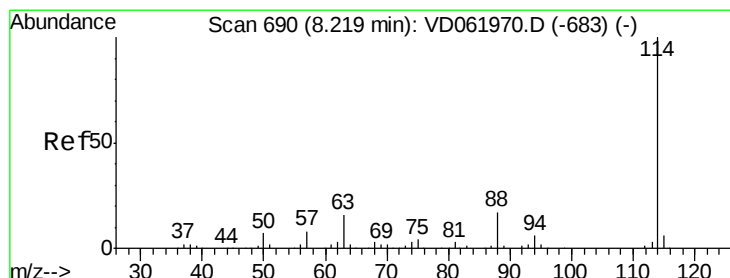
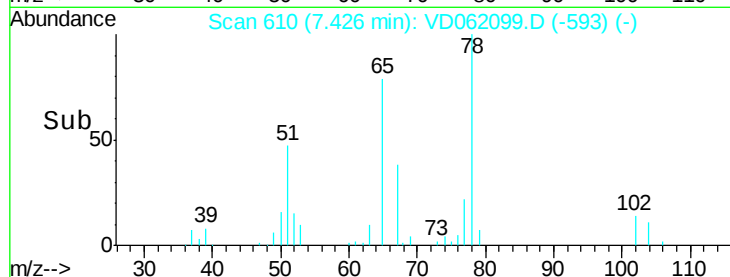
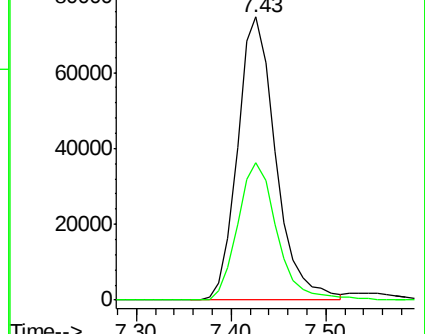
65 100

67 48.7 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# 688

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

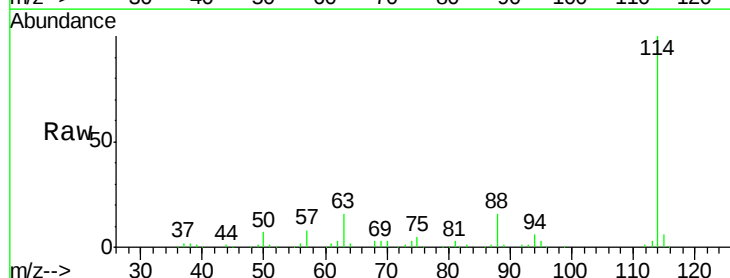
Tgt Ion: 114 Resp: 769139

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

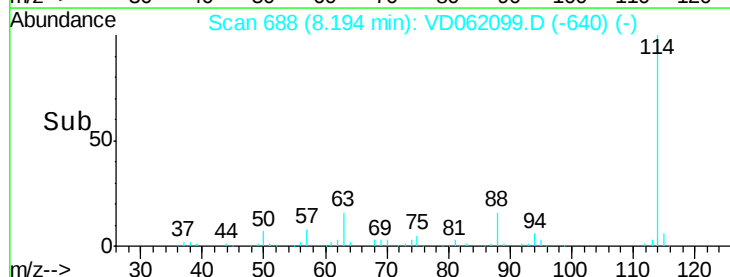
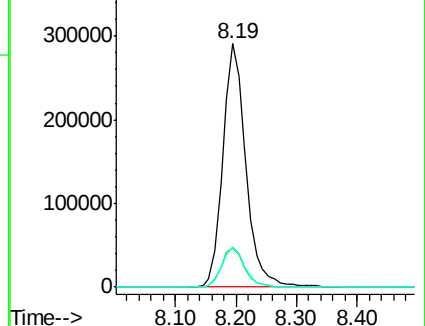
88 16.3 0.0 33.6

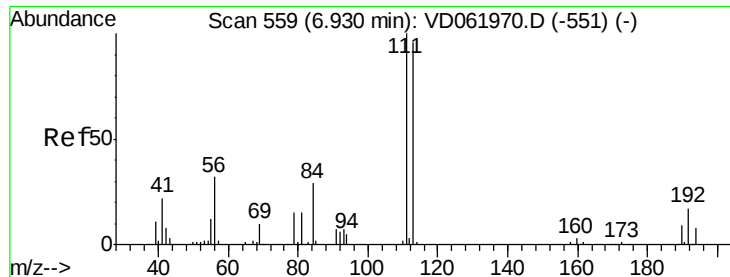


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

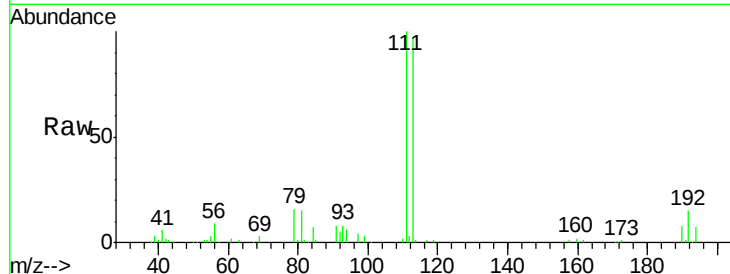




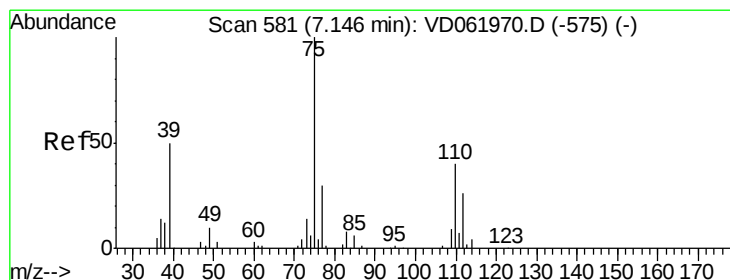
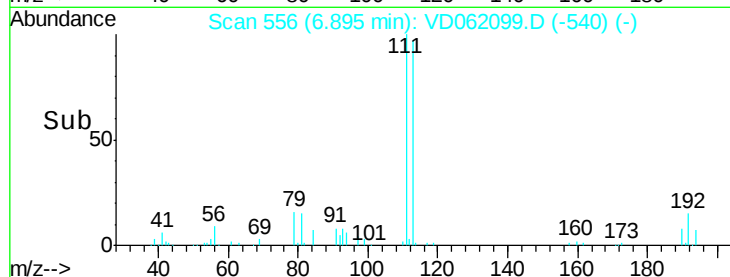
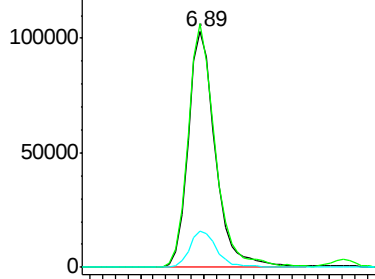
#35
 Dibromofluoromethane
 Concen: 57.925 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.04 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

Tot Ion:113 Resp: 308121
 Ion Ratio Lower Upper
 113 100
 111 103.3 78.5 117.7
 192 15.6 13.0 19.4

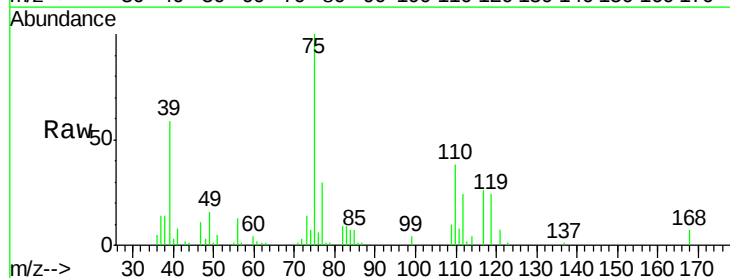


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

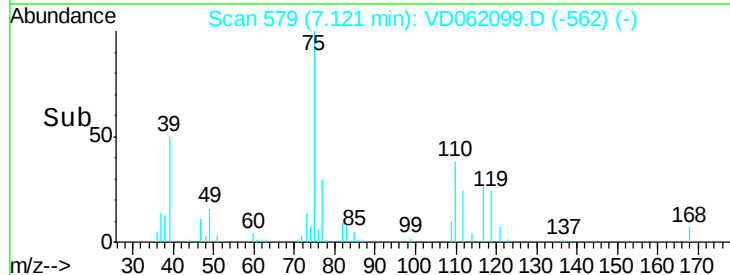
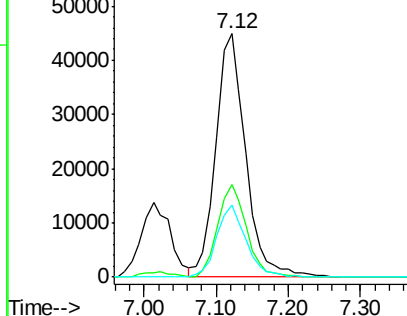


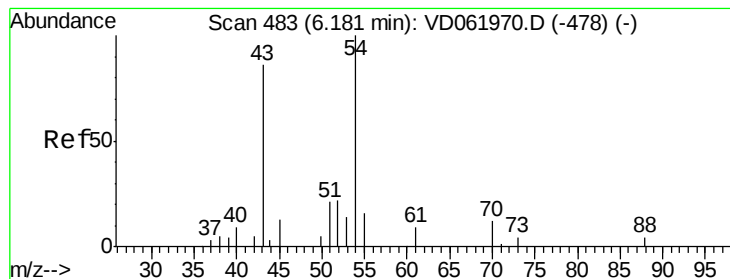
#36
 1,1-Dichloropropene
 Concen: 21.408 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion: 75 Resp: 128286
 Ion Ratio Lower Upper
 75 100
 110 38.0 19.1 57.1
 77 29.6 25.6 38.4



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





#37

Ethyl Acetate

Concen: 19.557 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleID :

VD0501SBS01

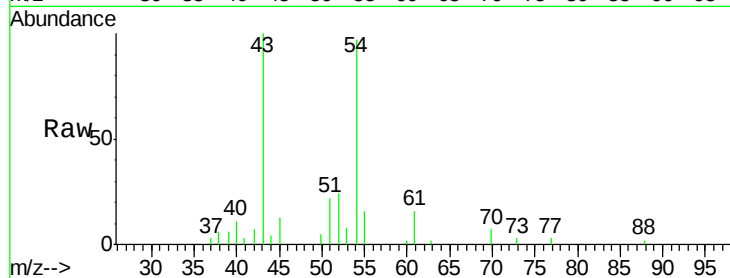
Tot Ion: 43 Resp: 49940

Ion Ratio Lower Upper

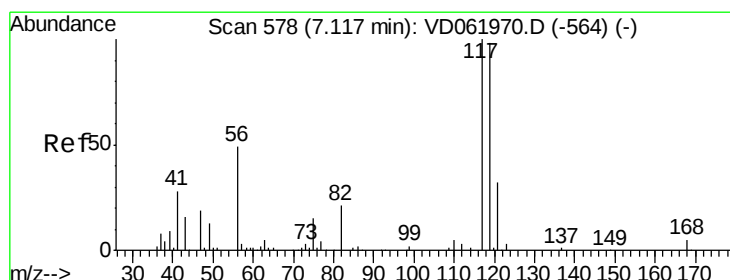
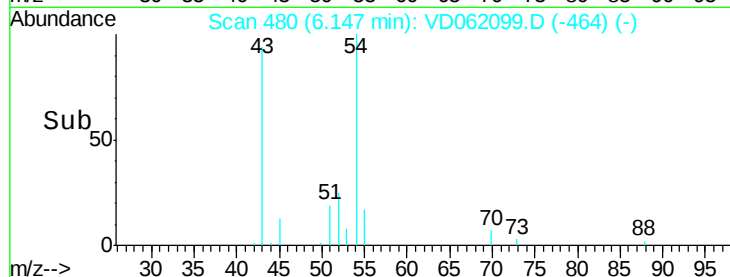
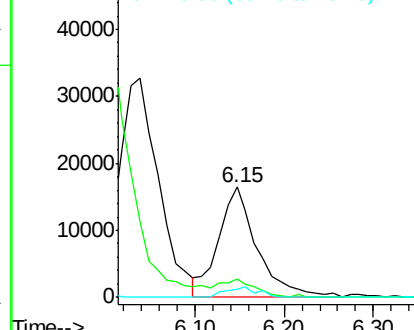
43 100

61 16.2 14.7 22.1

70 7.0 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: 20.132 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.04 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

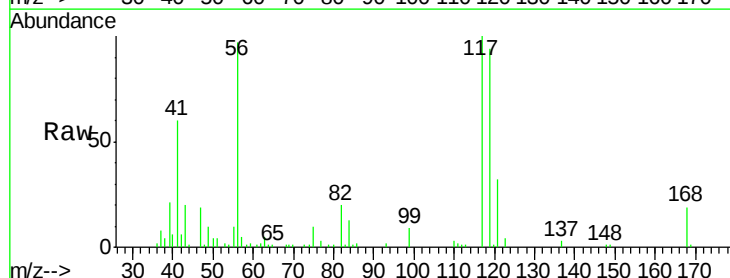
Tgt Ion: 117 Resp: 152867

Ion Ratio Lower Upper

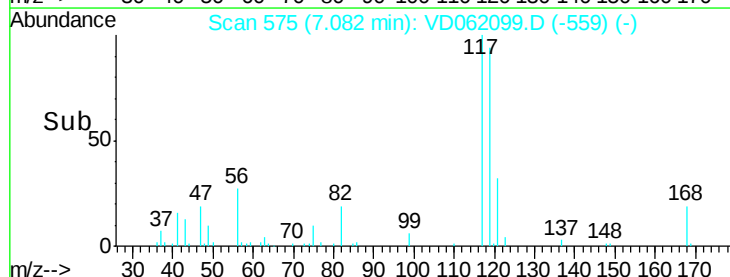
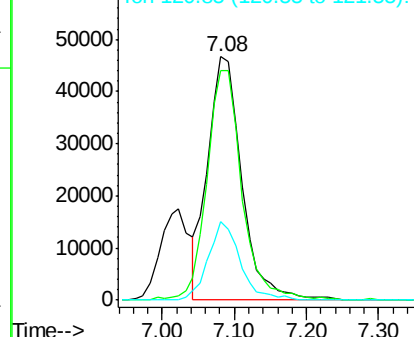
117 100

119 94.2 75.8 113.8

121 32.5 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: 18.467 ug/l

RT: 8.84 min Scan# 754

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

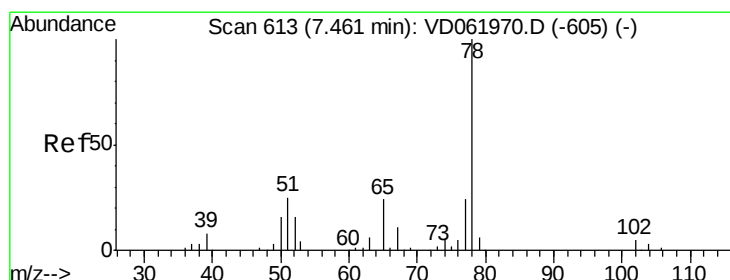
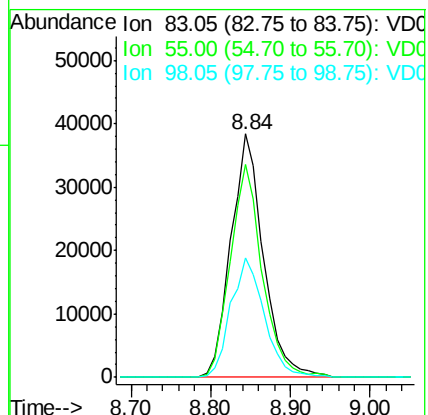
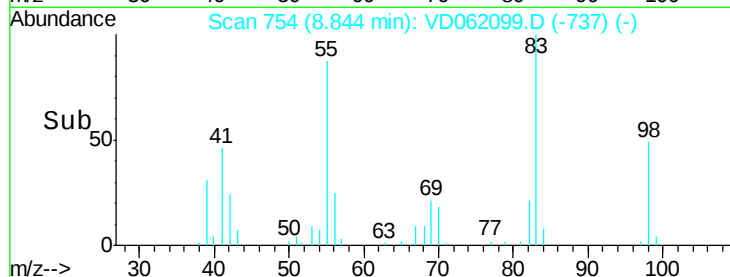
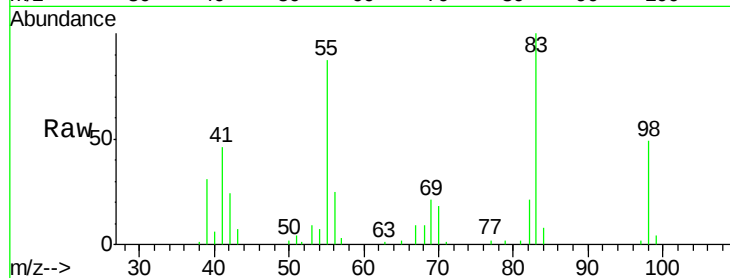
Tot Ion: 83 Resp: 109184

Ion Ratio Lower Upper

83 100

55 87.2 68.2 102.4

98 48.8 38.2 57.4



#40

Benzene

Concen: 18.810 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.04 min

Lab File: VD062099.D

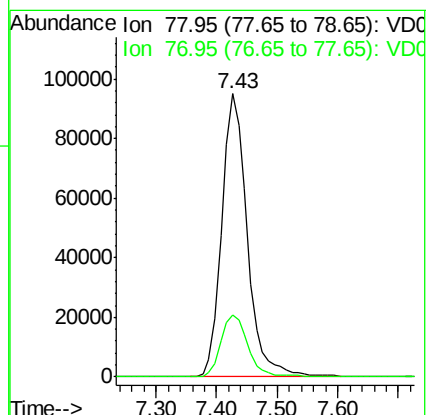
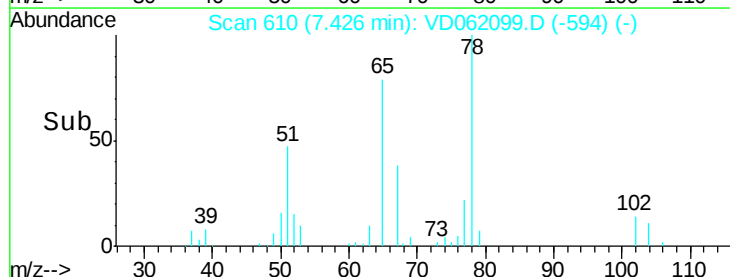
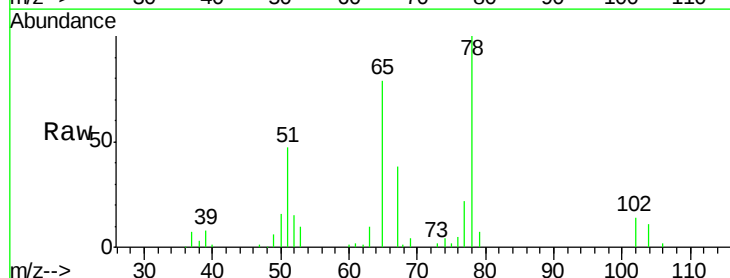
Acq: 1 May 2019 13:32

Tgt Ion: 78 Resp: 279057

Ion Ratio Lower Upper

78 100

77 22.0 19.7 29.5





#41

Methacrylonitrile

Concen: 21.429 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

Tot Ion: 41 Resp: 63847

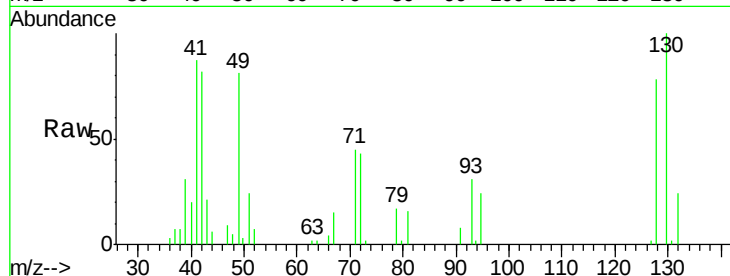
Ion Ratio Lower Upper

41 100

39 35.9 34.1 51.1

67 16.9 23.8 35.6#

52 8.5 8.8 13.2#

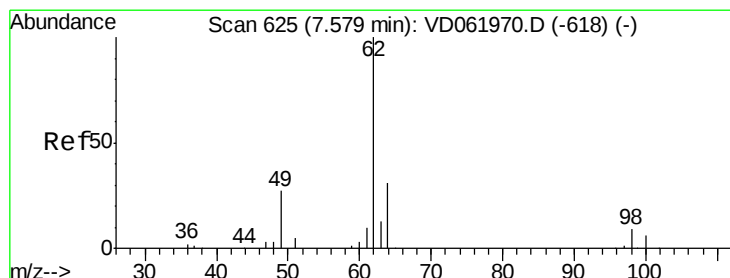
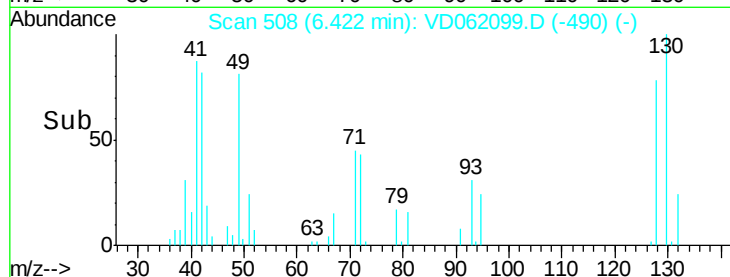
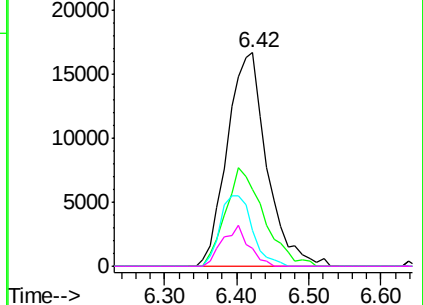


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.149 ug/l

RT: 7.55 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD062099.D

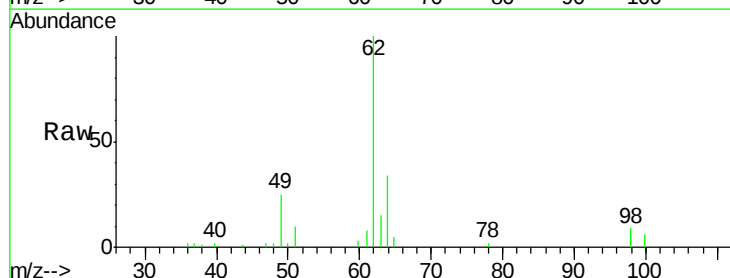
Acq: 1 May 2019 13:32

Tgt Ion: 62 Resp: 106528

Ion Ratio Lower Upper

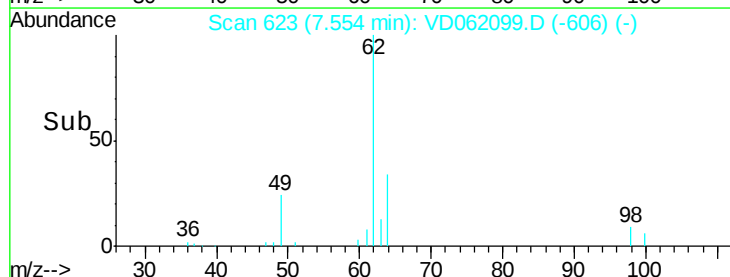
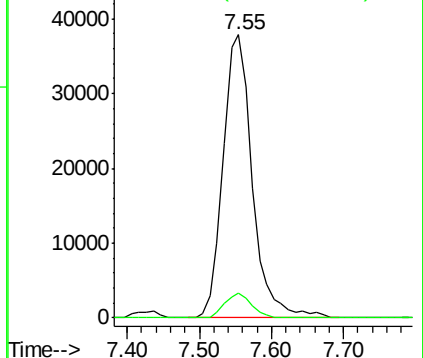
62 100

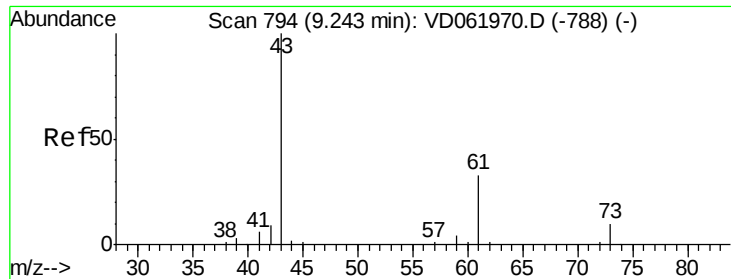
98 8.6 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



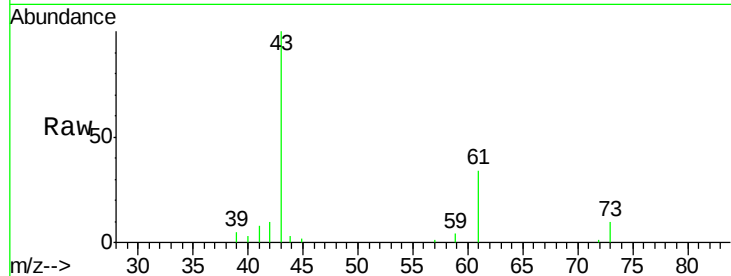


#43

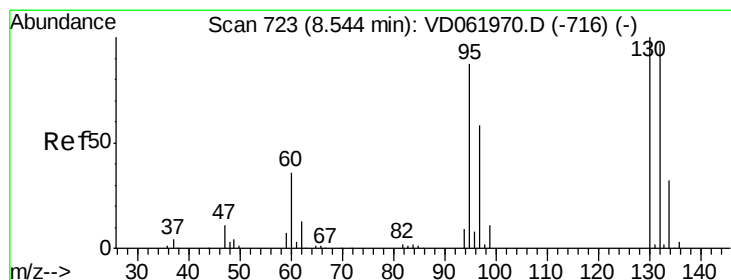
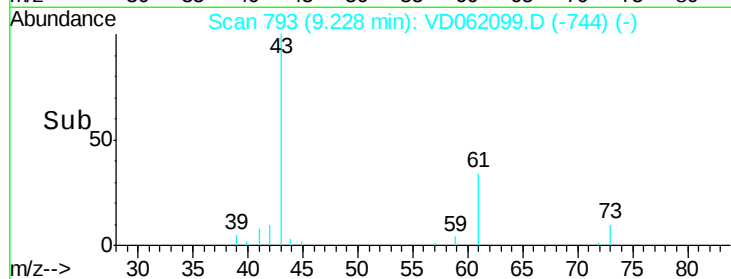
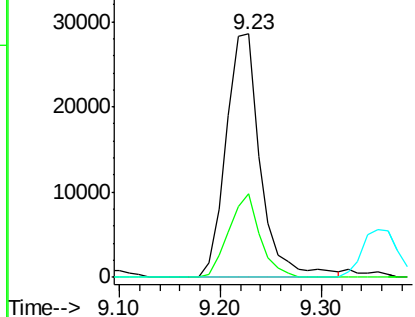
Isopropyl Acetate
 Concen: 18.152 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Tot Ion: 43 Resp: 67727
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.1 37.7
 87 0.0 0.0 0.0



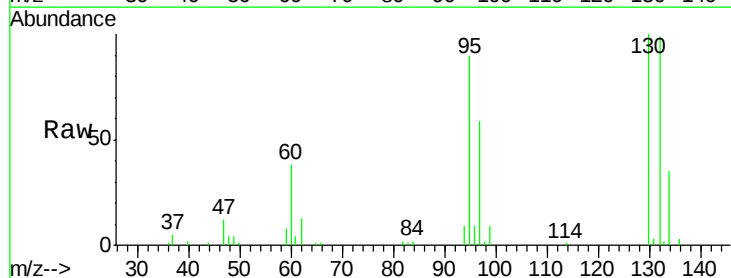
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



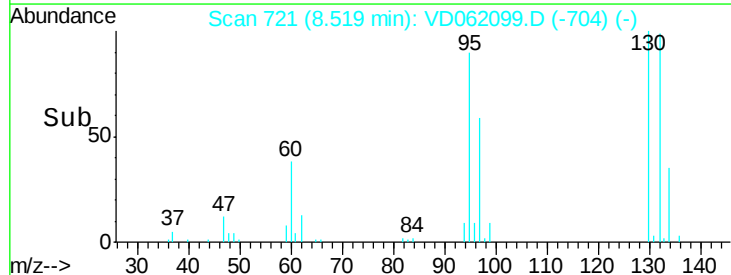
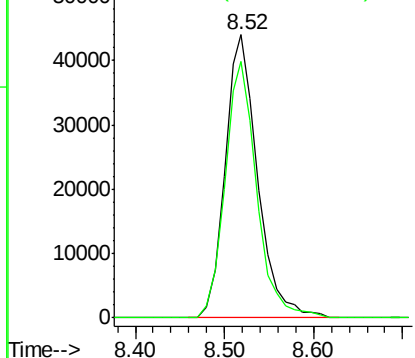
#44

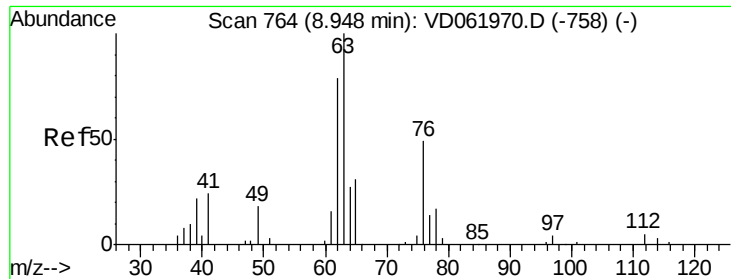
Trichloroethene
 Concen: 19.445 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.03 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion: 130 Resp: 111836
 Ion Ratio Lower Upper
 130 100
 95 90.5 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: 18.878 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

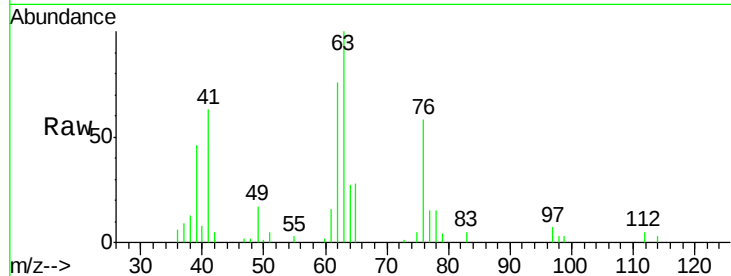
VD0501SBS01

Tot Ion: 63 Resp: 71048

Ion Ratio Lower Upper

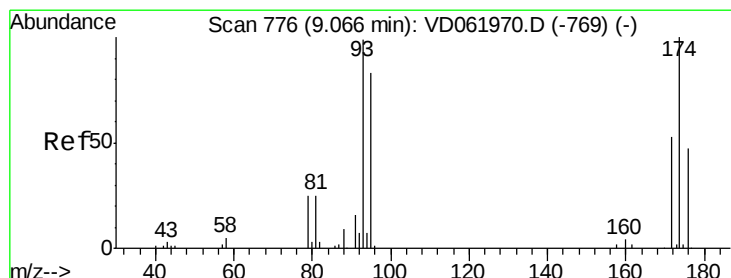
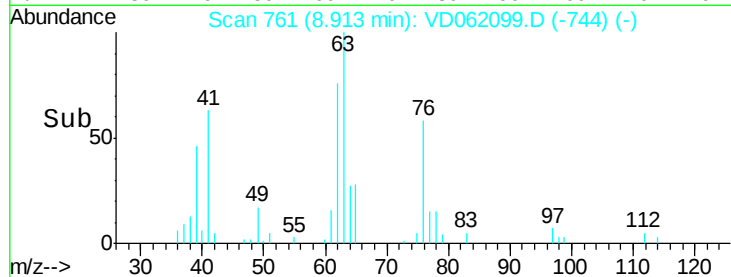
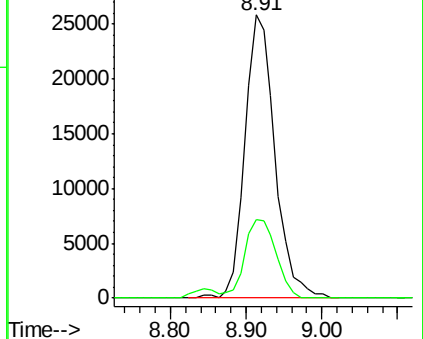
63 100

65 27.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.721 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

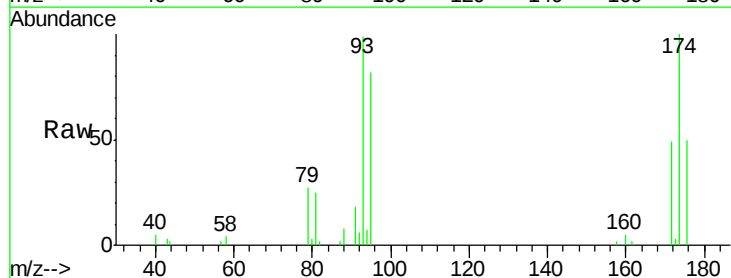
Tgt Ion: 93 Resp: 53406

Ion Ratio Lower Upper

93 100

95 82.2 64.8 97.2

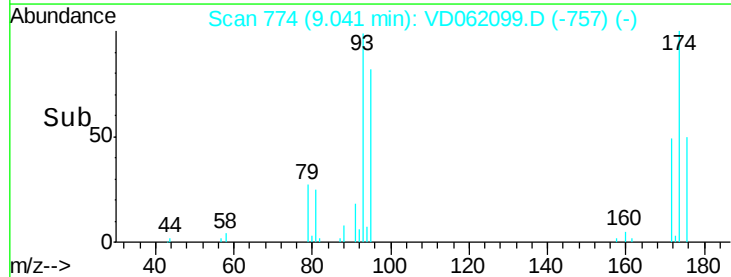
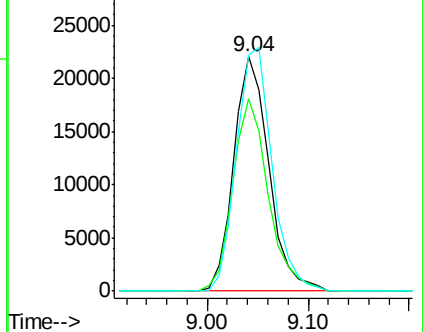
174 100.7 79.3 118.9



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





#47

Bromodichloromethane

Concen: 20.871 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

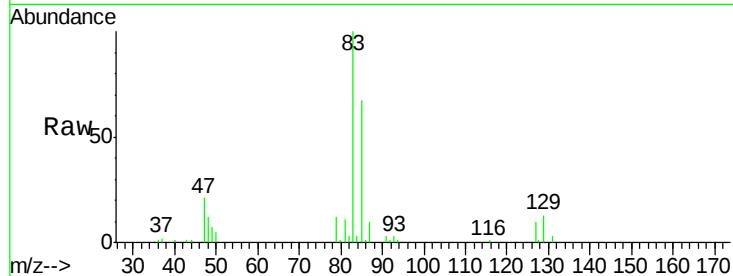
Tot Ion: 83 Resp: 133546

Ion Ratio Lower Upper

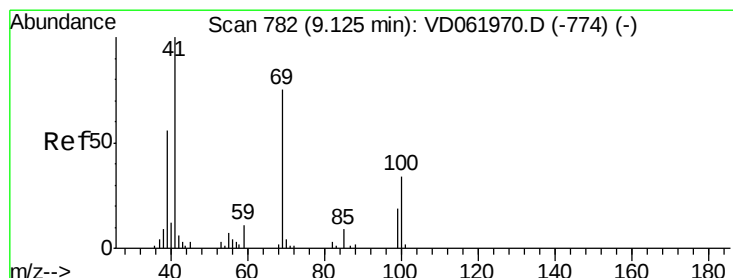
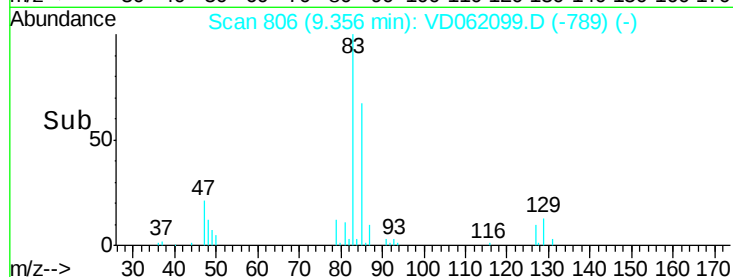
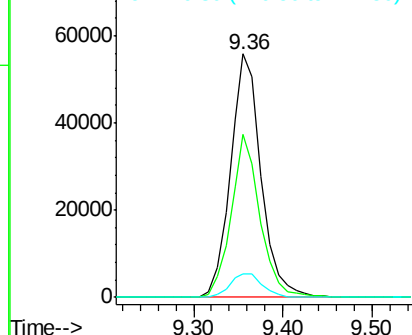
83 100

85 66.9 50.9 76.3

127 9.7 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: 20.419 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

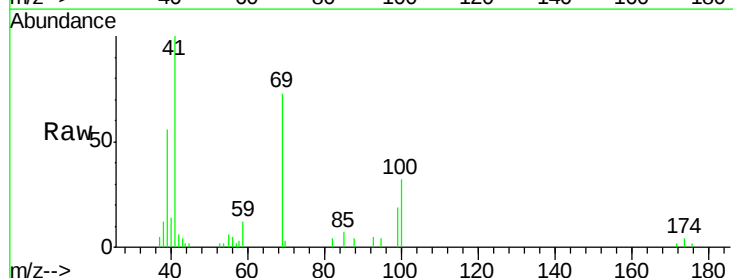
Tgt Ion: 41 Resp: 43468

Ion Ratio Lower Upper

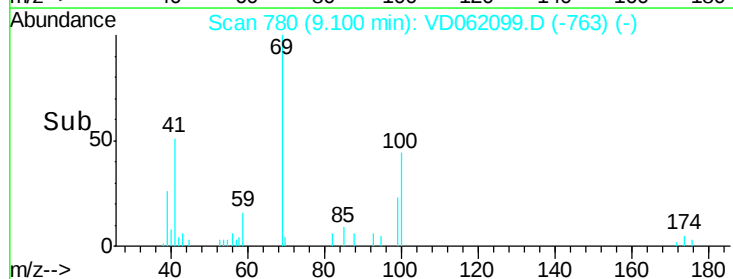
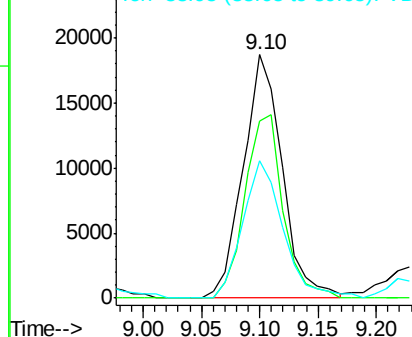
41 100

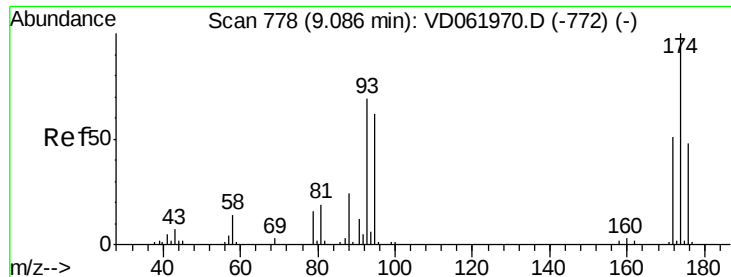
69 72.9 64.2 96.2

39 56.4 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

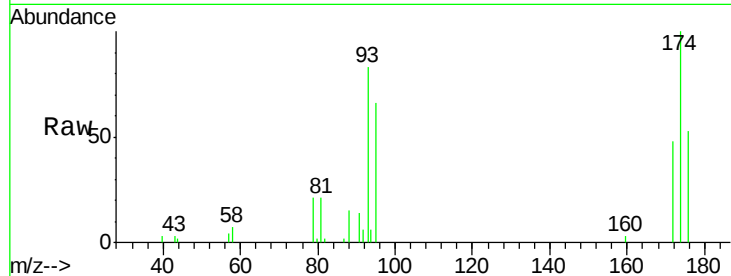




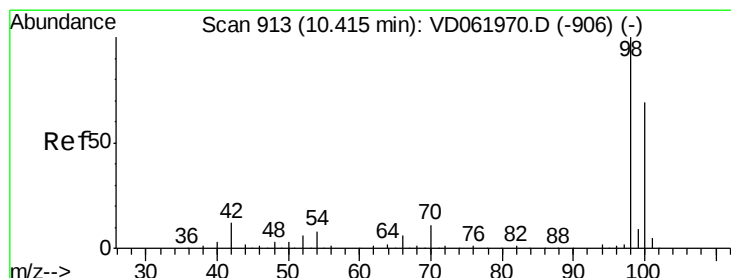
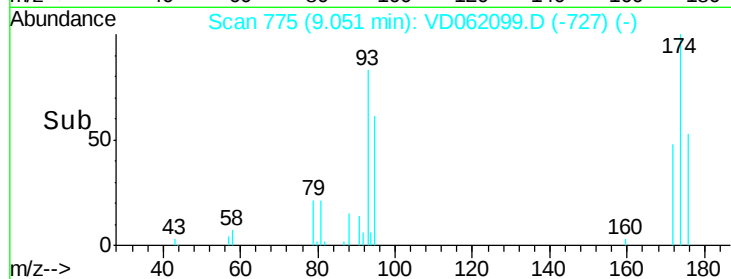
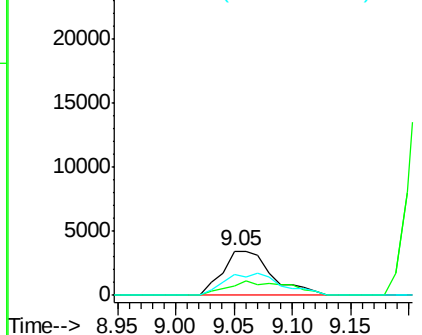
#49
1,4-Dioxane
Concen: 436.795 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

Tot Ion: 88 Resp: 10025
Ion Ratio Lower Upper
88 100
43 22.5 23.4 35.0#
58 48.6 44.0 66.0

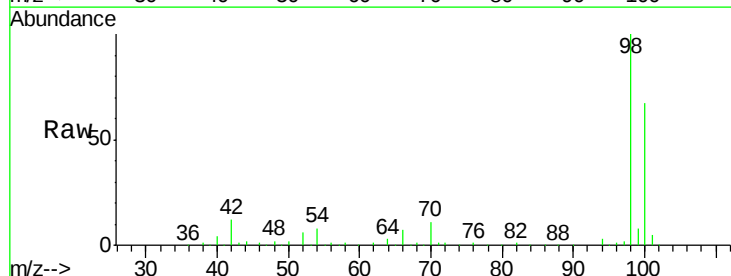


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

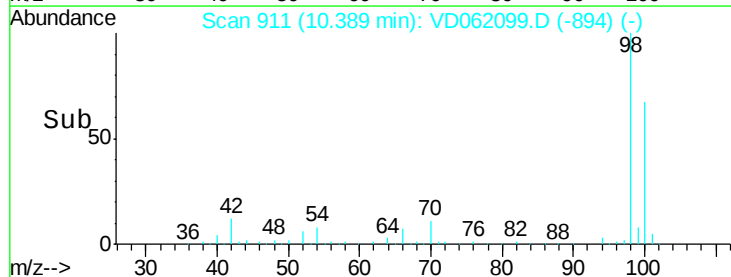
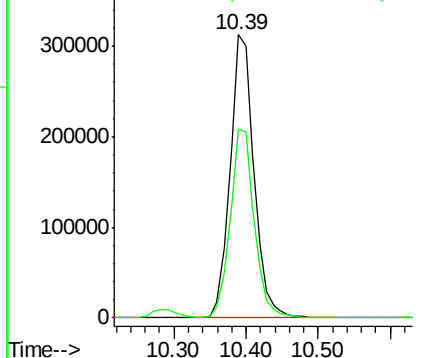


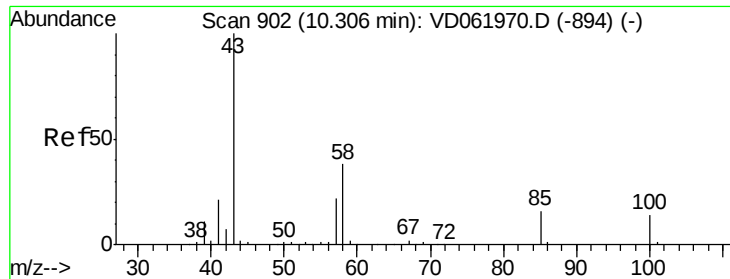
#50
Toluene-d8
Concen: 57.062 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 98 Resp: 722258
Ion Ratio Lower Upper
98 100
100 66.8 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: 93.660 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

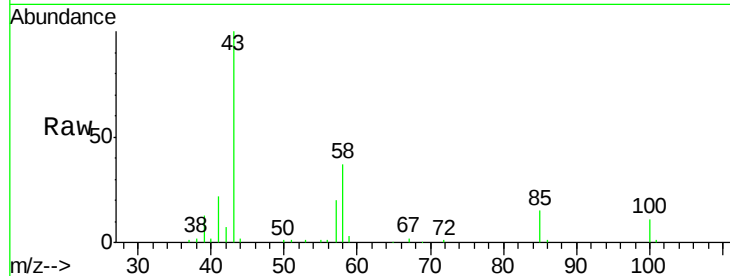
VD0501SBS01

Tot Ion: 43 Resp: 213714

Ion Ratio Lower Upper

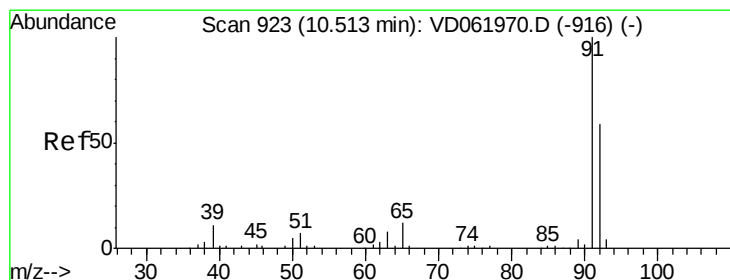
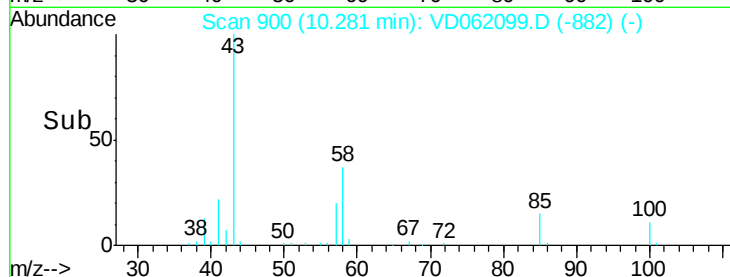
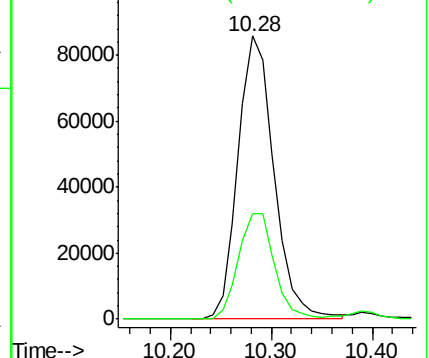
43 100

58 37.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.998 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD062099.D

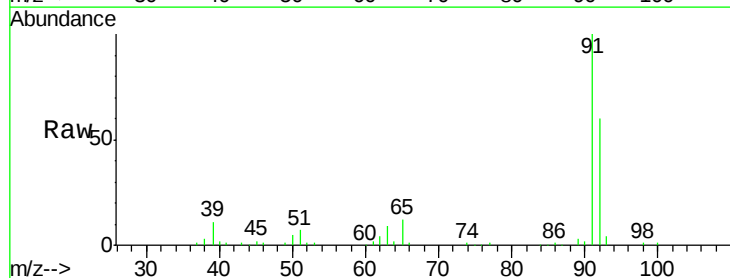
Acq: 1 May 2019 13:32

Tgt Ion: 92 Resp: 179703

Ion Ratio Lower Upper

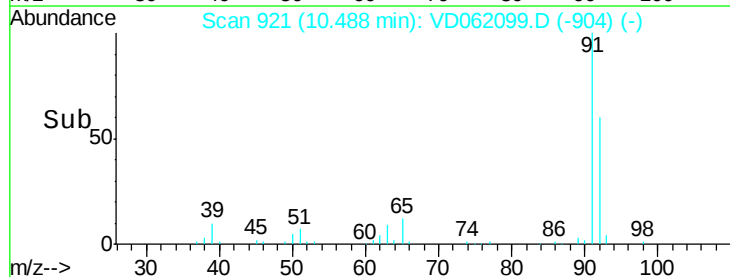
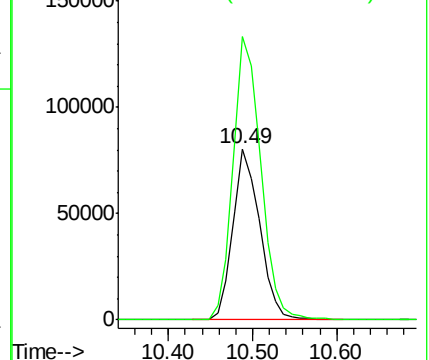
92 100

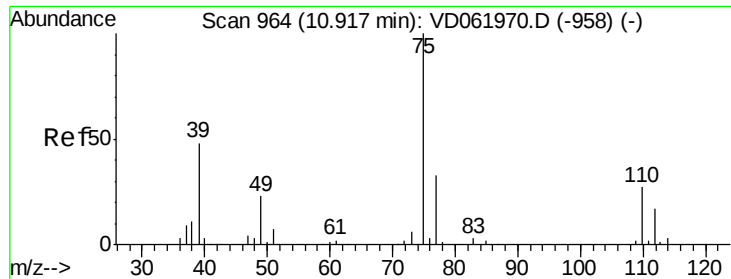
91 165.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.348 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

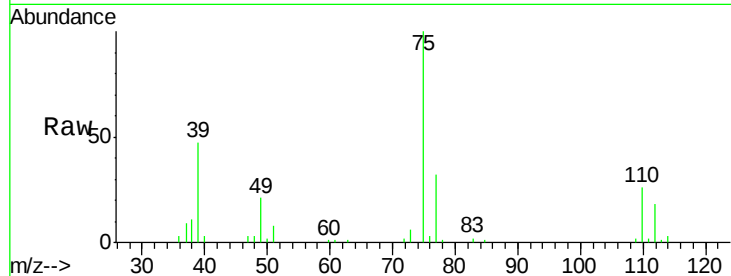
VD0501SBSD01

Tot Ion: 75 Resp: 120032

Ion Ratio Lower Upper

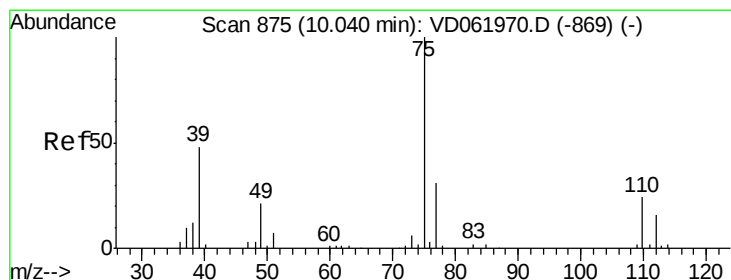
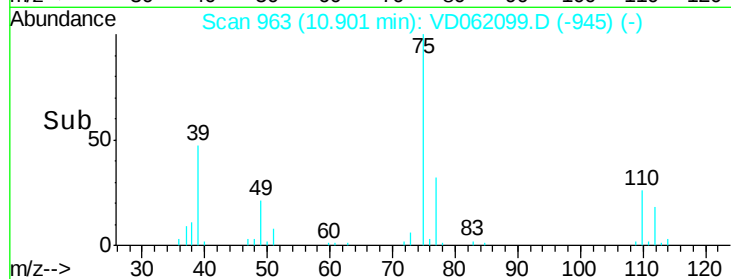
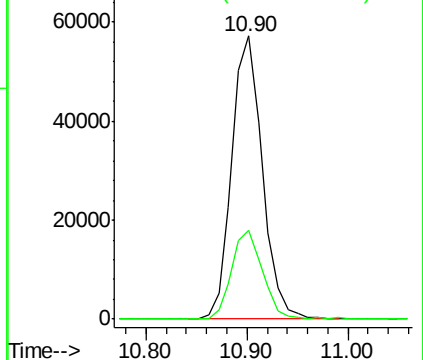
75 100

77 31.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.283 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

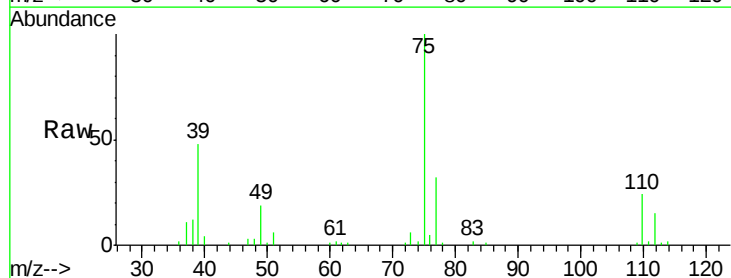
Tgt Ion: 75 Resp: 132501

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

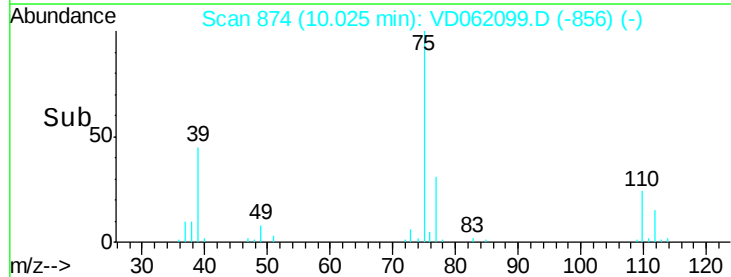
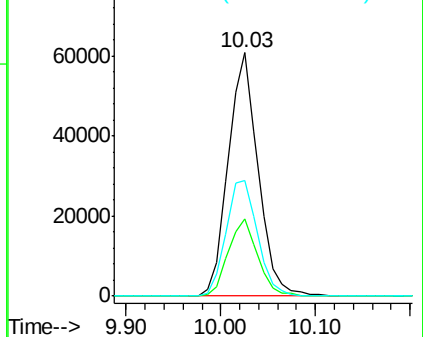
39 47.6 39.4 59.2

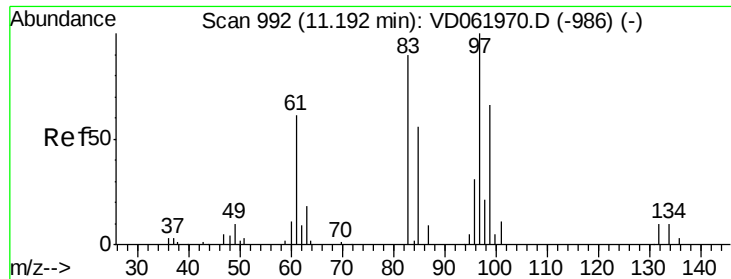


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.324 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

Tot Ion: 97 Resp: 67719

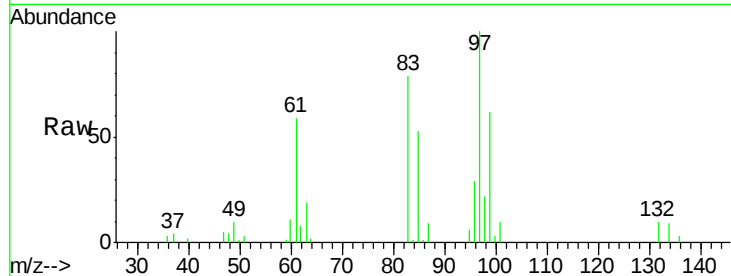
Ion Ratio Lower Upper

97 100

83 79.4 65.7 98.5

85 53.1 45.6 68.4

99 61.5 48.4 72.6

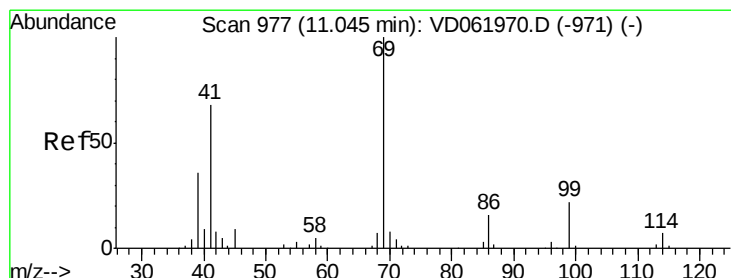
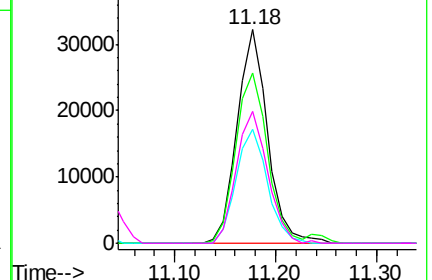
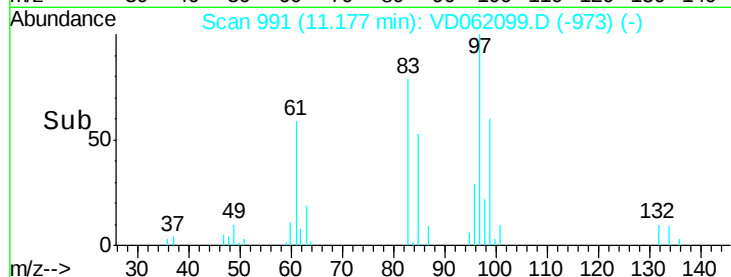


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.150 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

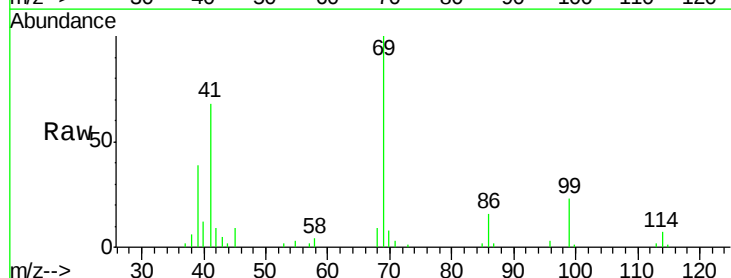
Tgt Ion: 69 Resp: 67353

Ion Ratio Lower Upper

69 100

41 68.4 56.3 84.5

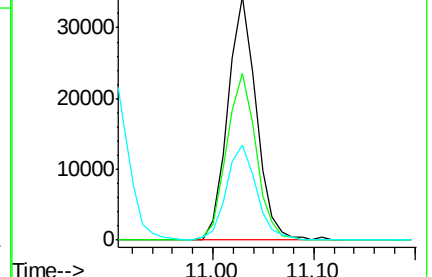
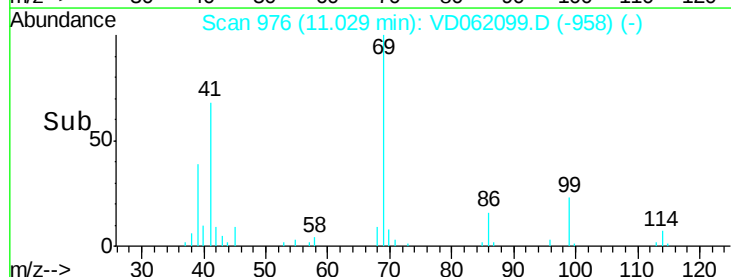
39 38.9 29.4 44.2

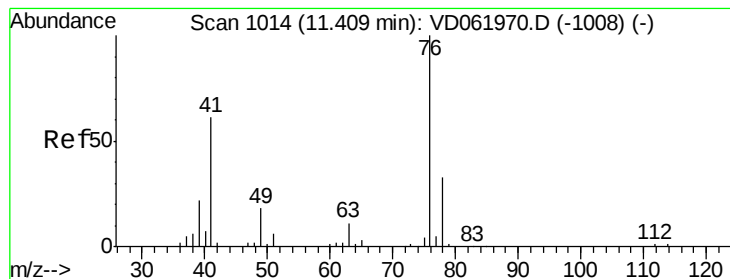


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.043 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

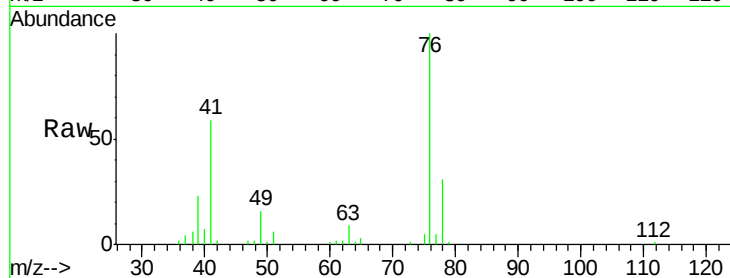
VD0501SBSD01

Tot Ion: 76 Resp: 103208

Ion Ratio Lower Upper

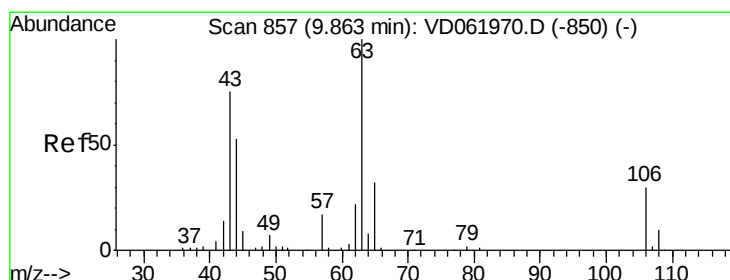
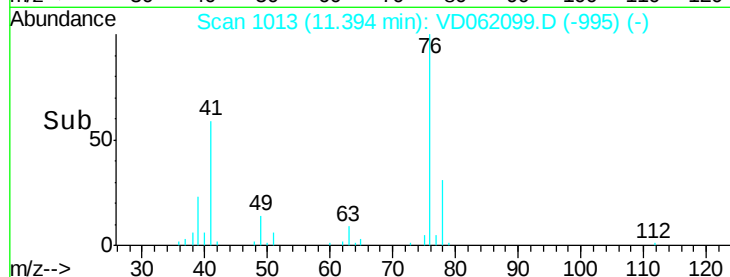
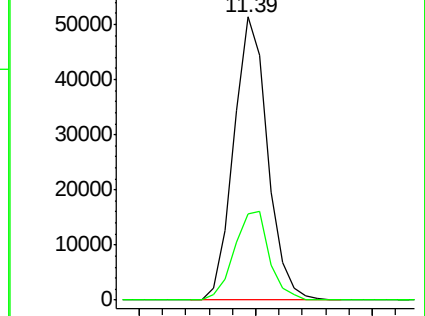
76 100

78 30.5 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 125.019 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.03 min

Lab File: VD062099.D

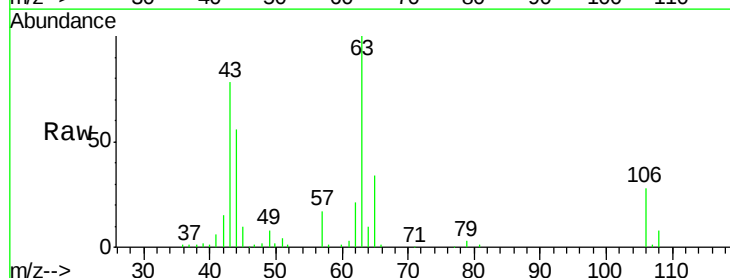
Acq: 1 May 2019 13:32

Tgt Ion: 63 Resp: 204433

Ion Ratio Lower Upper

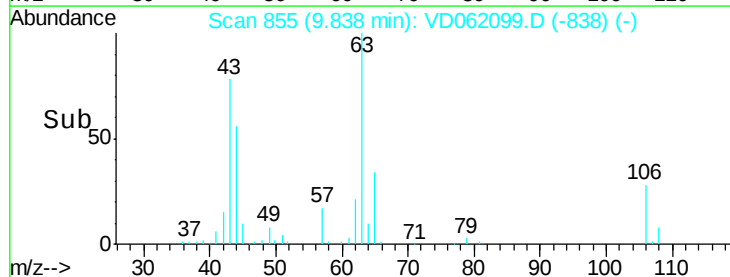
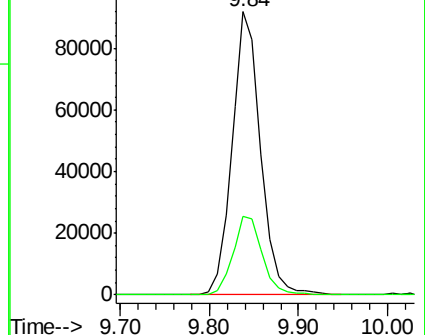
63 100

106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

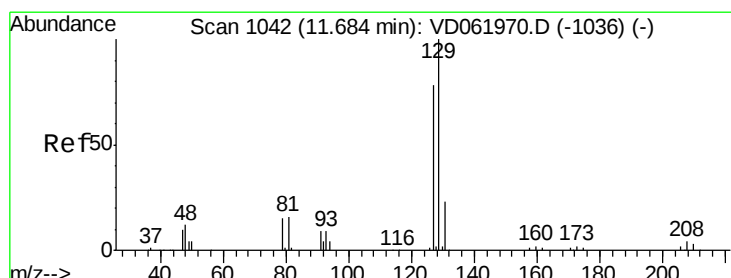
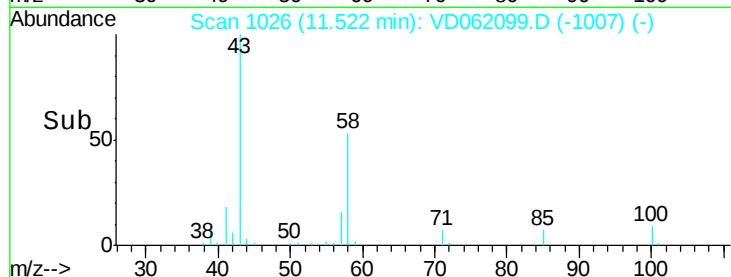
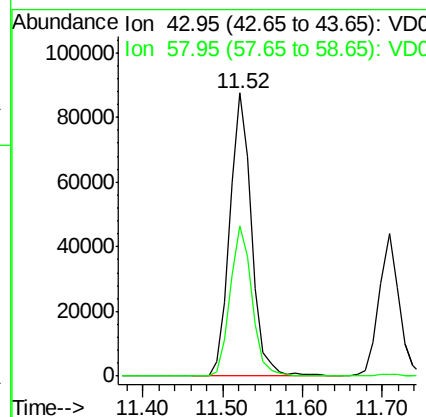
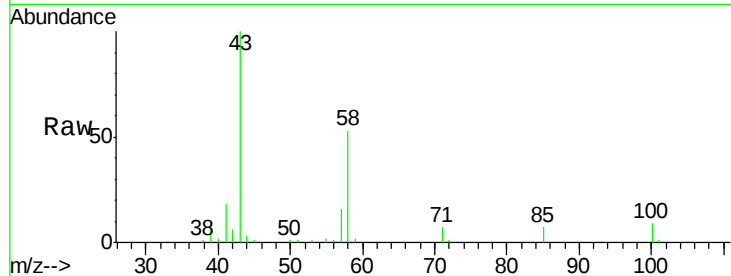




#59
2-Hexanone
Concen: 98.493 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

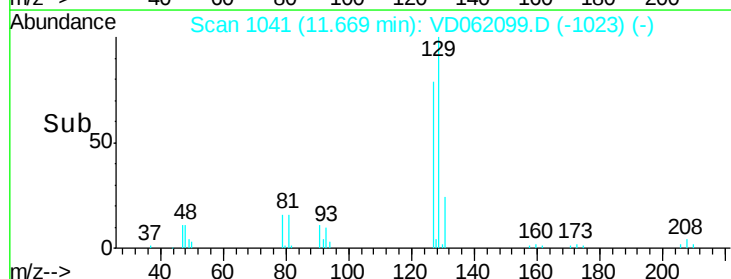
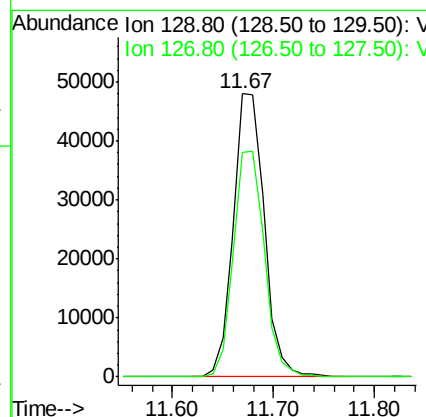
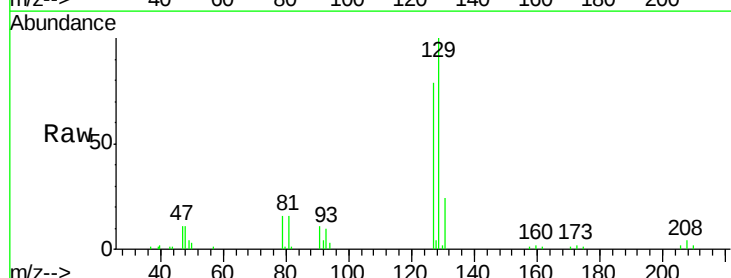
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

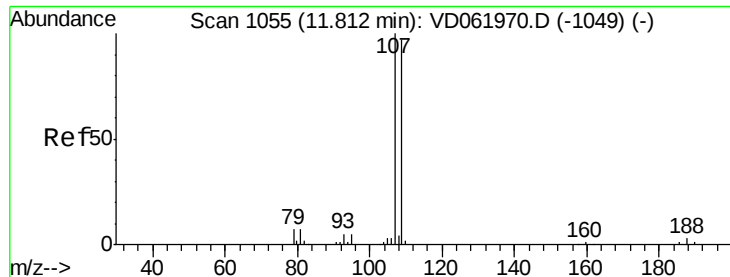
Tot Ion: 43 Resp: 168589
Ion Ratio Lower Upper
43 100
58 52.9 25.4 76.4



#60
Dibromochloromethane
Concen: 19.492 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 129 Resp: 102423
Ion Ratio Lower Upper
129 100
127 79.2 38.0 113.9

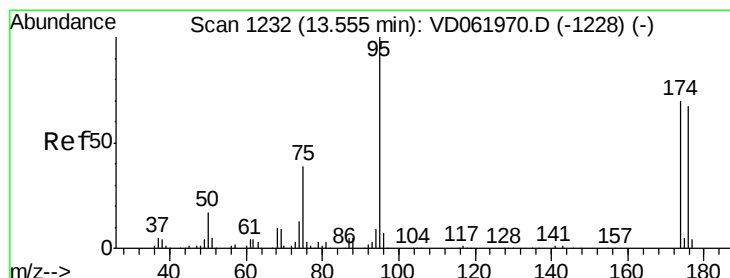
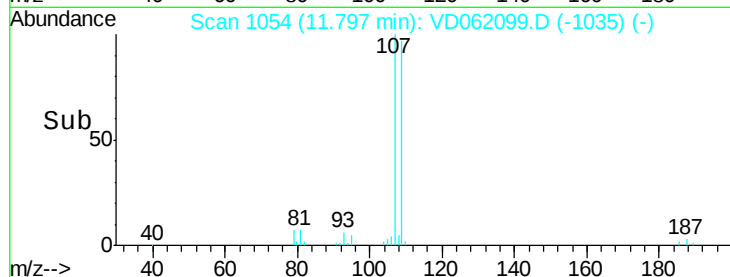
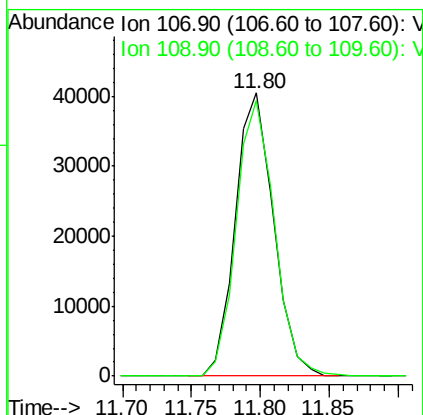
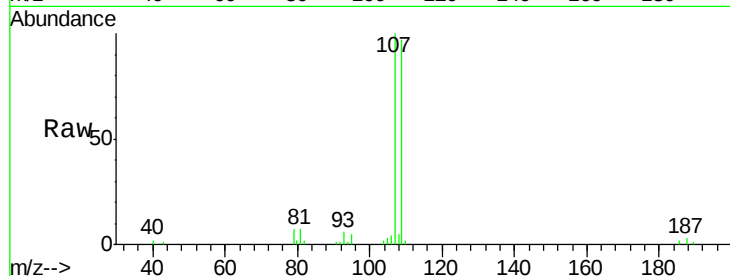




#61
 1,2-Dibromoethane
 Concen: 20.758 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

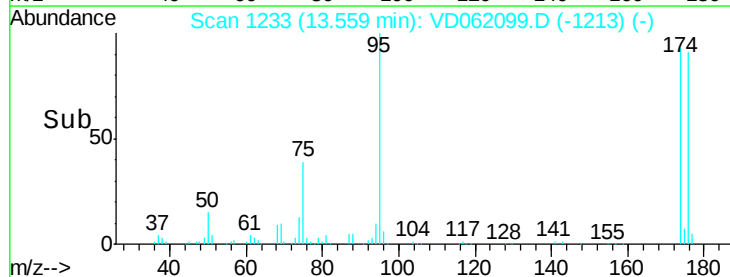
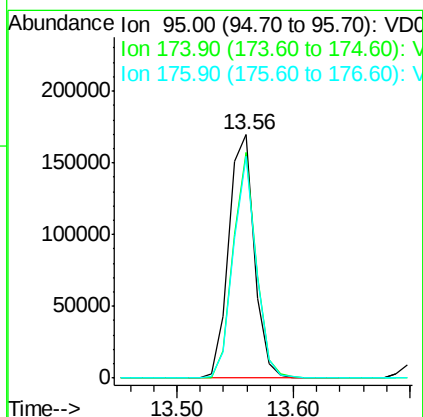
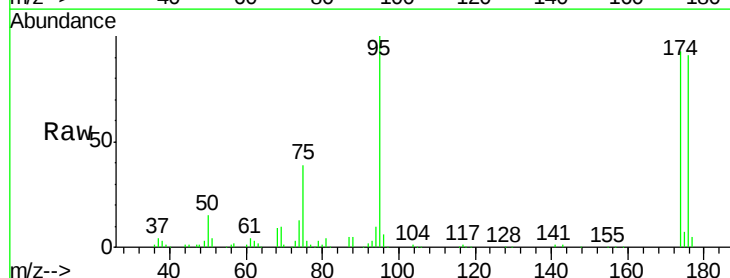
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

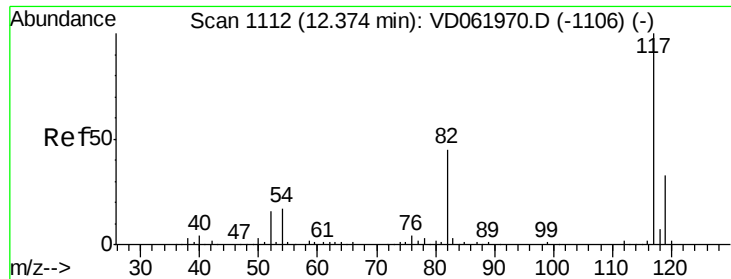
Tot Ion:107 Resp: 78197
 Ion Ratio Lower Upper
 107 100
 109 97.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.744 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion: 95 Resp: 257616
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 181.8
 176 91.2 0.0 174.4

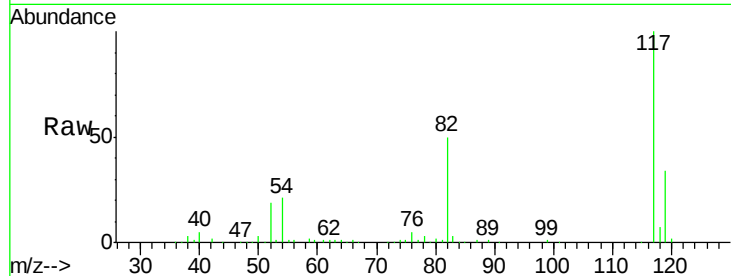




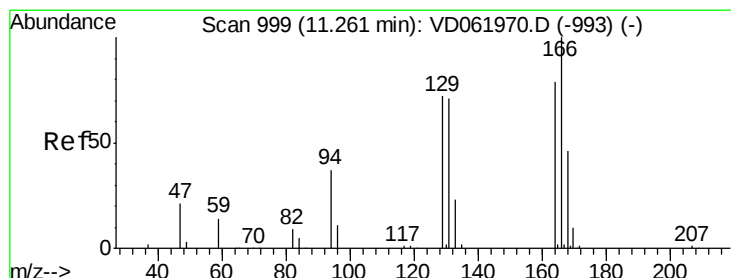
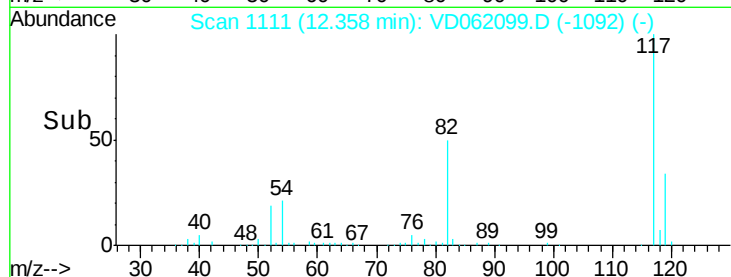
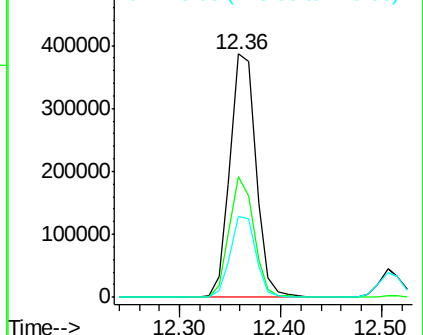
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

Tot Ion:117 Resp: 694424
Ion Ratio Lower Upper
117 100
82 49.6 36.2 54.2
119 33.5 26.2 39.4

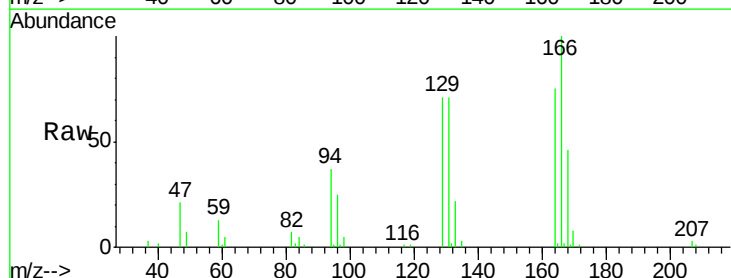


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

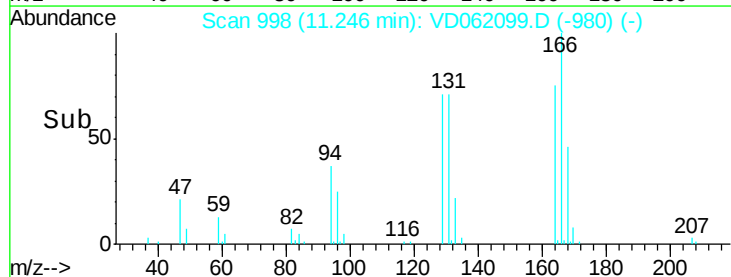
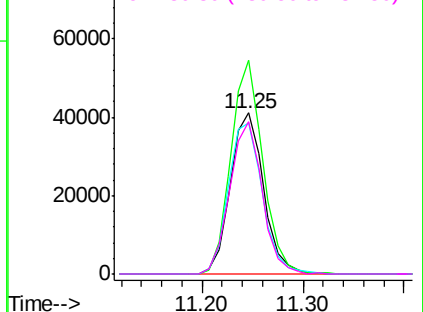


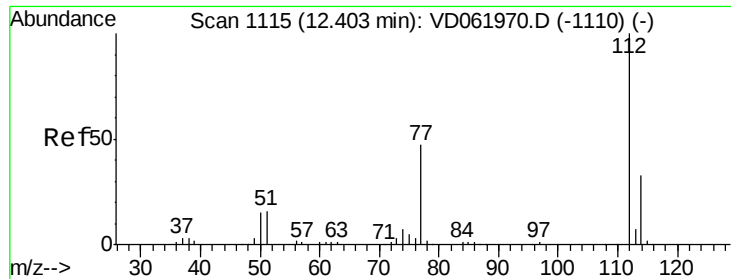
#64
Tetrachloroethene
Concen: 18.927 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion:164 Resp: 93759
Ion Ratio Lower Upper
164 100
166 132.7 101.5 152.3
129 93.7 74.6 112.0
131 94.3 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

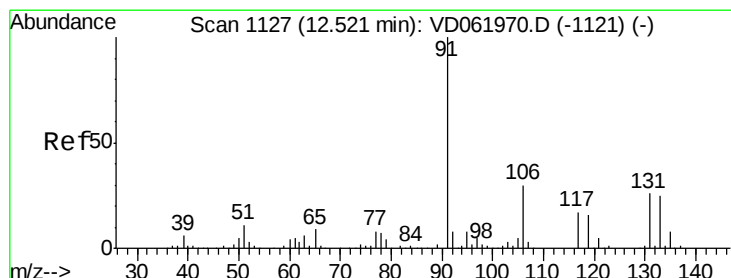
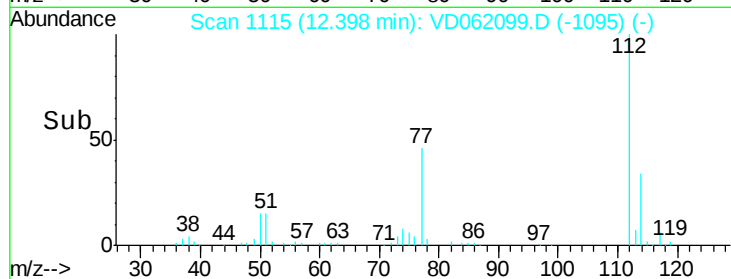
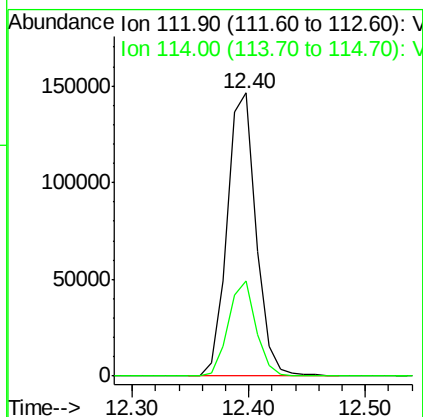
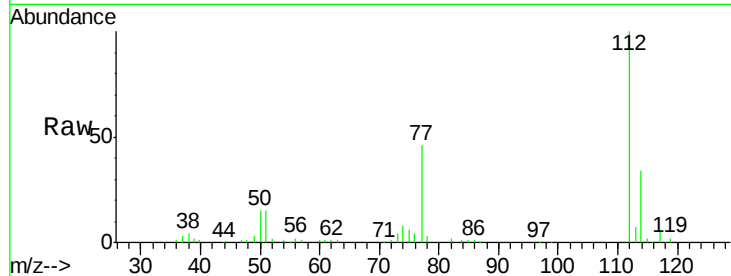




#65
Chlorobenzene
Concen: 19.183 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

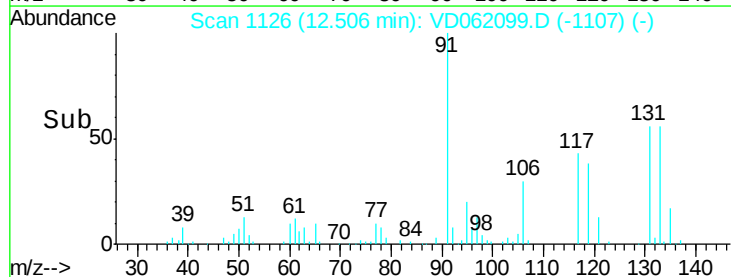
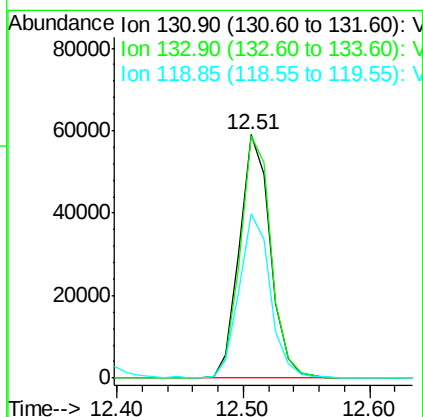
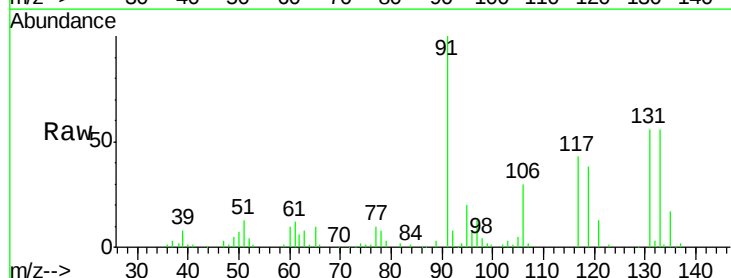
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

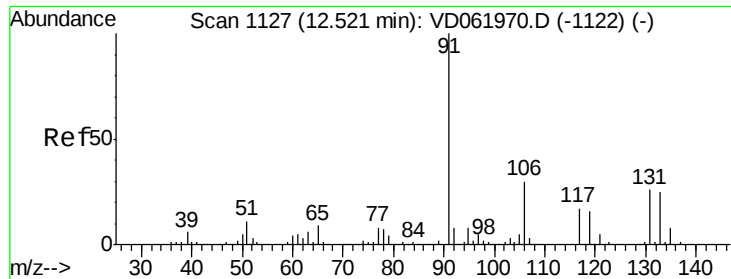
Tot Ion:112 Resp: 251724
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.964 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion:131 Resp: 99992
Ion Ratio Lower Upper
131 100
133 99.8 48.6 145.8
119 67.7 34.7 104.1

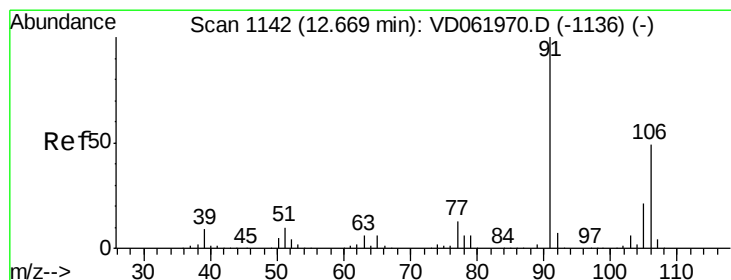
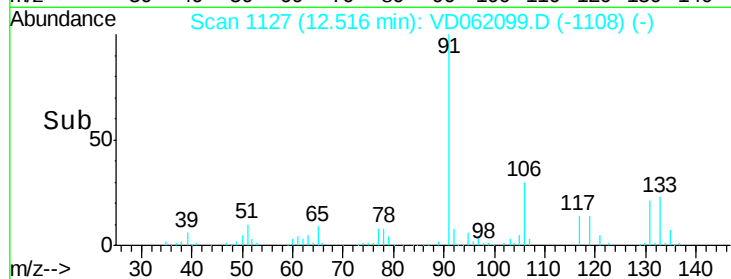
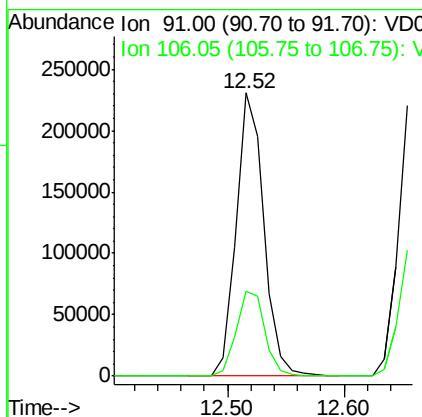
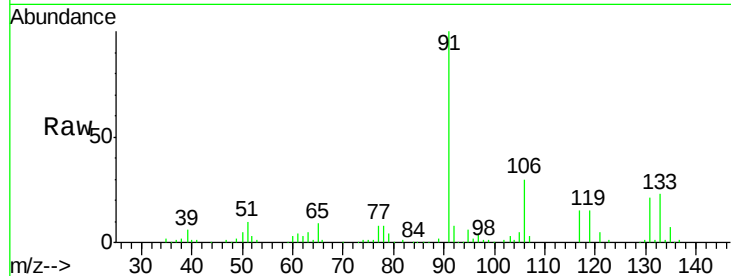




#67
Ethyl Benzene
Concen: 17.608 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

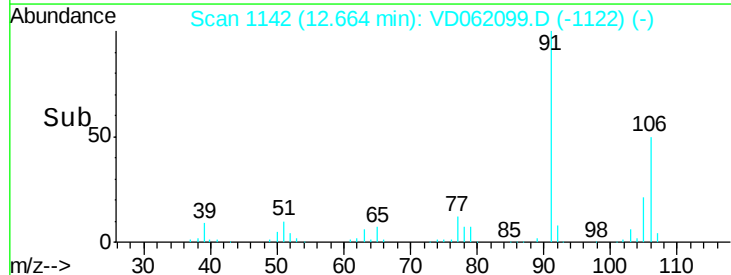
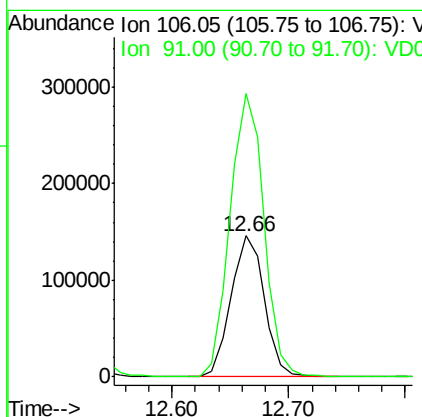
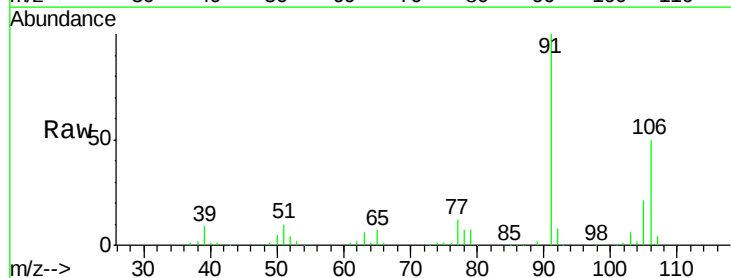
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

Tot Ion: 91 Resp: 377129
Ion Ratio Lower Upper
91 100
106 29.8 24.7 37.1



#68
m/p-Xylenes
Concen: 37.132 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 106 Resp: 287437
Ion Ratio Lower Upper
106 100
91 200.9 164.0 246.0

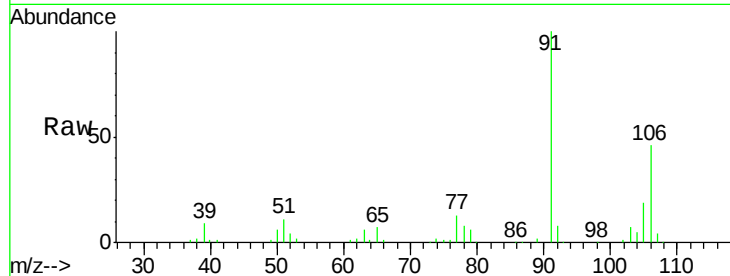




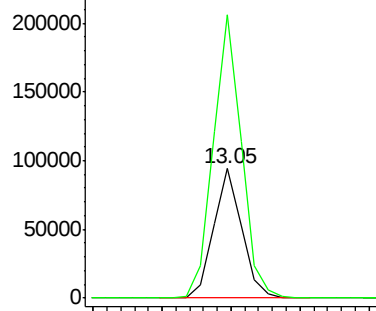
#69
o-Xylene
Concen: 19.092 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

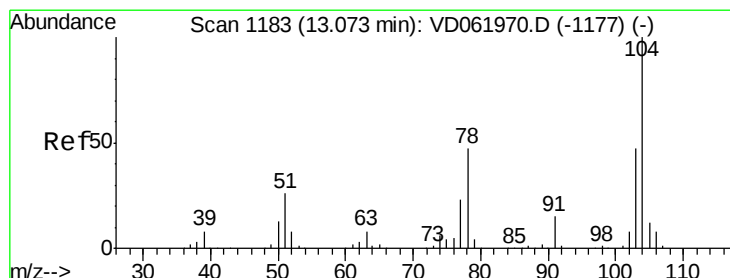
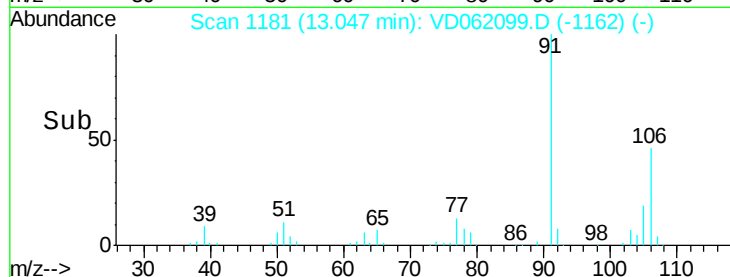
Tot Ion:106 Resp: 135220
Ion Ratio Lower Upper
106 100
91 219.0 106.7 319.9



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

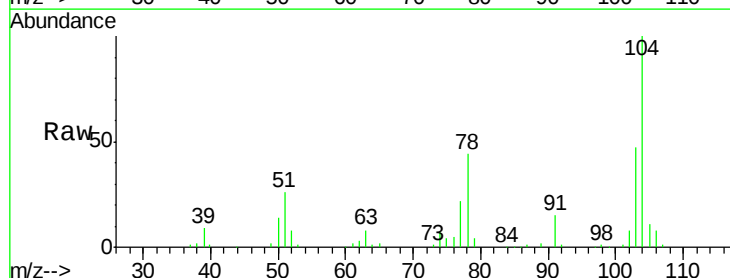


Time--> 12.95 13.00 13.05 13.10

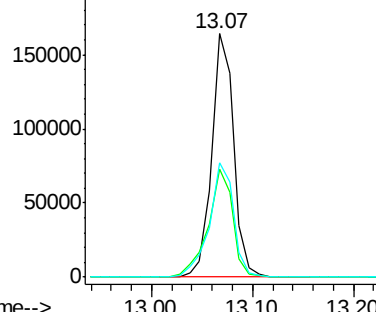


#70
Styrene
Concen: 20.163 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

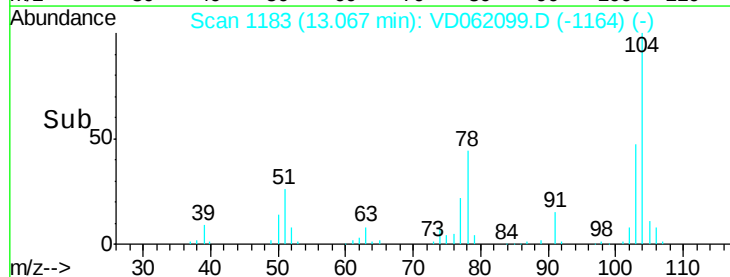
Tgt Ion:104 Resp: 246581
Ion Ratio Lower Upper
104 100
78 44.3 35.4 53.2
103 46.8 37.5 56.3

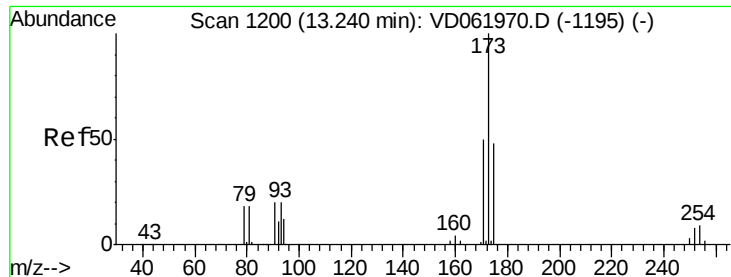


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 13.00 13.10 13.20





#71

Bromoform

Concen: 18.989 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

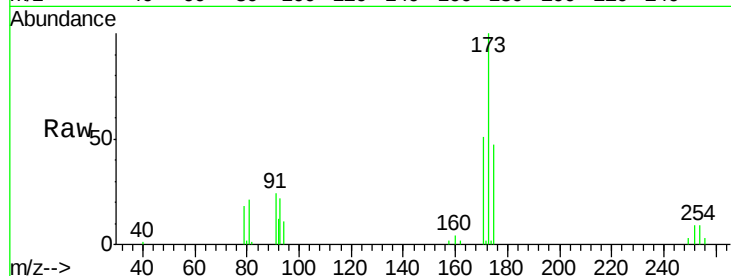
Tot Ion:173 Resp: 60257

Ion Ratio Lower Upper

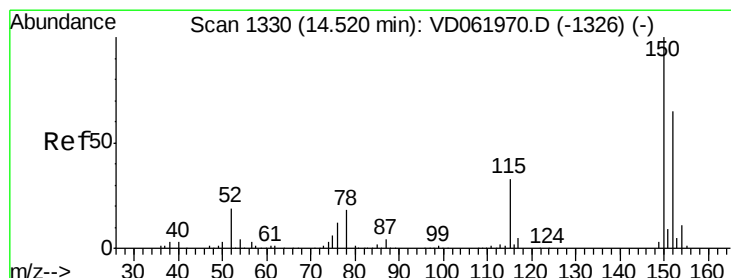
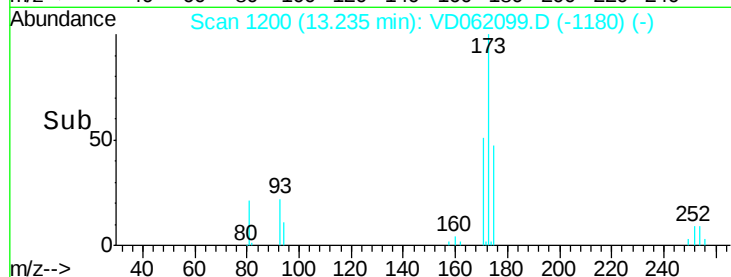
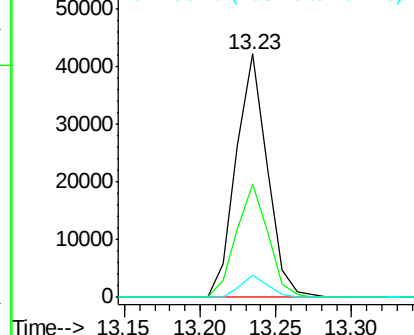
173 100

175 46.7 24.4 73.4

254 9.0 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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

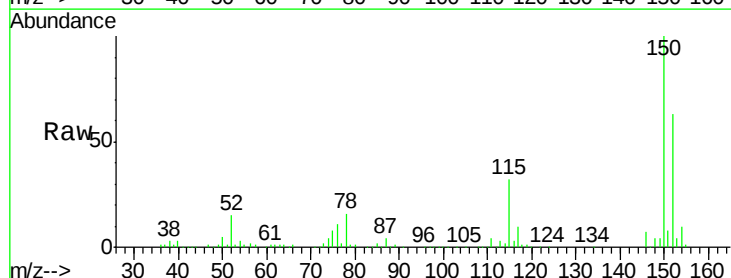
Tgt Ion:152 Resp: 306313

Ion Ratio Lower Upper

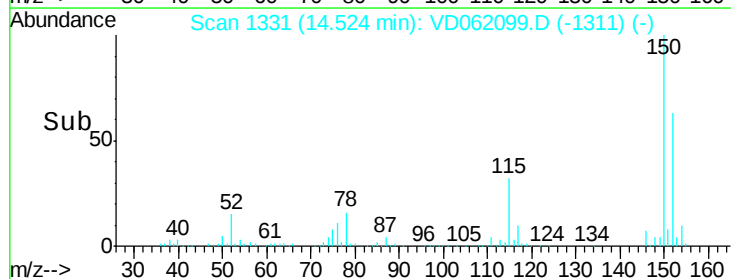
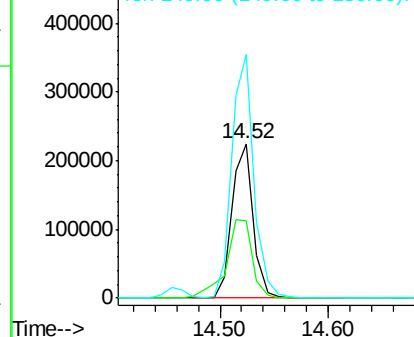
152 100

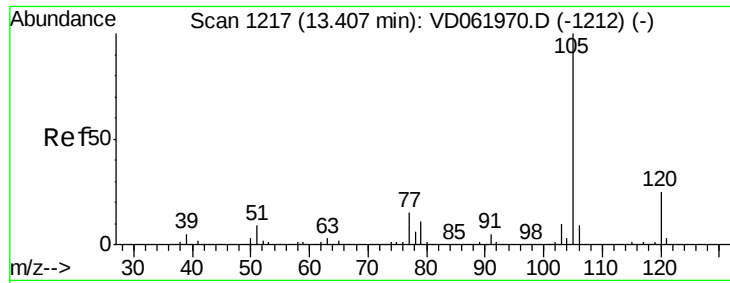
115 49.9 30.9 92.7

150 157.7 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: 19.291 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

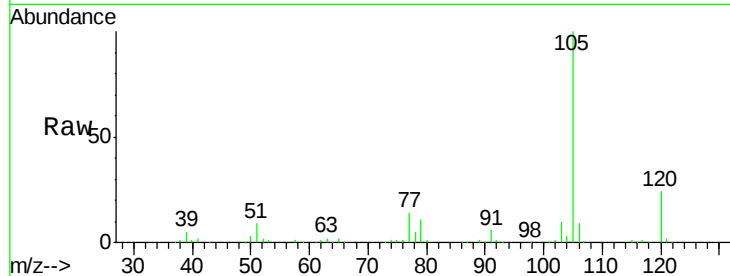
VD0501SBSD01

Tot Ion:105 Resp: 394175

Ion Ratio Lower Upper

105 100

120 24.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

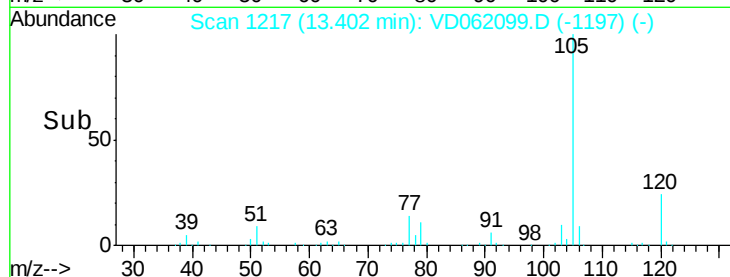
300000

200000

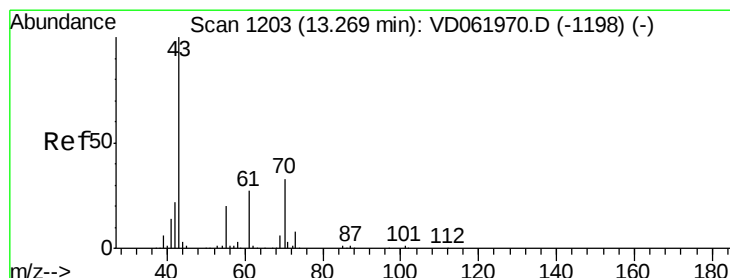
100000

0

13.30 13.40 13.50



Time-->



#74

N-ethyl acetate

Concen: 18.003 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Tgt Ion: 43 Resp: 94737

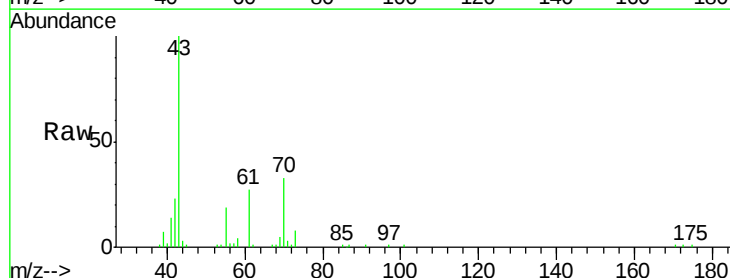
Ion Ratio Lower Upper

43 100

70 32.6 24.2 36.4

55 19.5 16.0 24.0

61 27.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

100000

80000

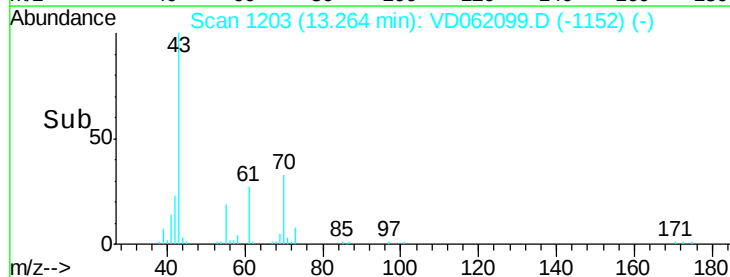
60000

40000

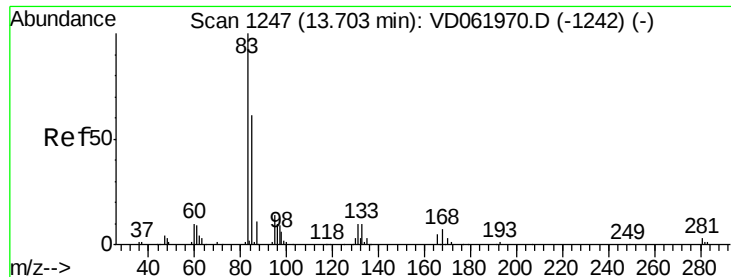
20000

0

13.20 13.30



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 18.630 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

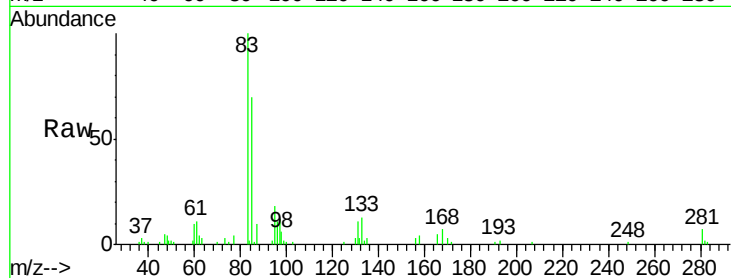
Tot Ion: 83 Resp: 74599

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	14.9
85	70.1	32.6	97.7

83 100

131 10.7 5.0 14.9

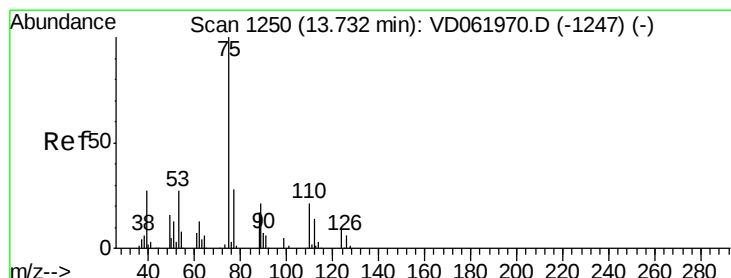
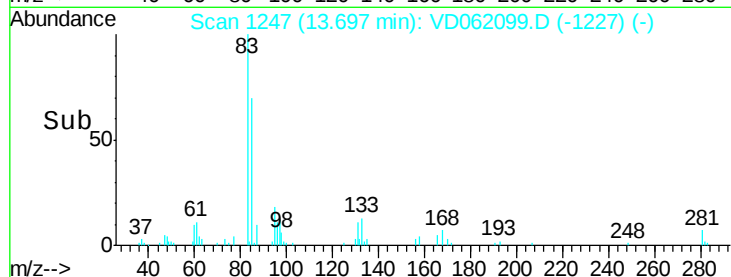
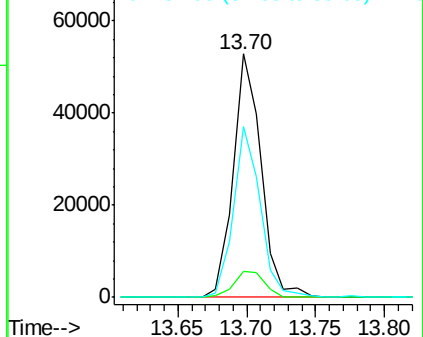
85 70.1 32.6 97.7



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: 20.040 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062099.D

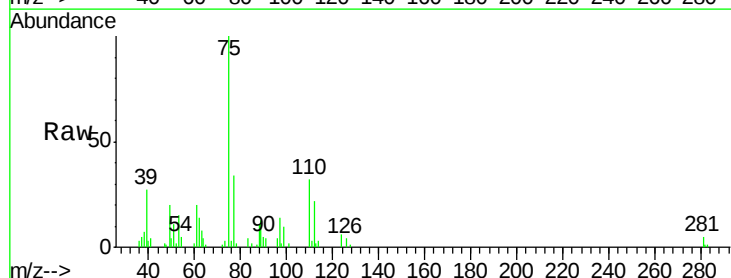
Acq: 1 May 2019 13:32

Tgt Ion: 75 Resp: 77952

Ion	Ratio	Lower	Upper
75	100		
77	34.4	16.4	49.4

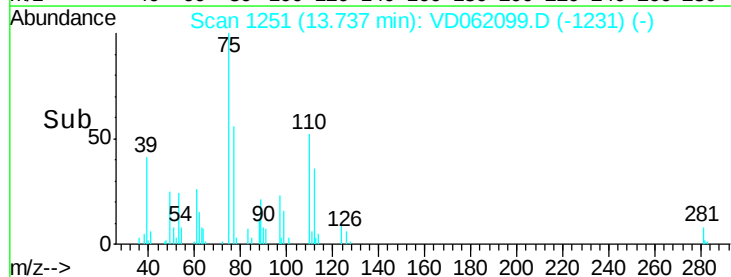
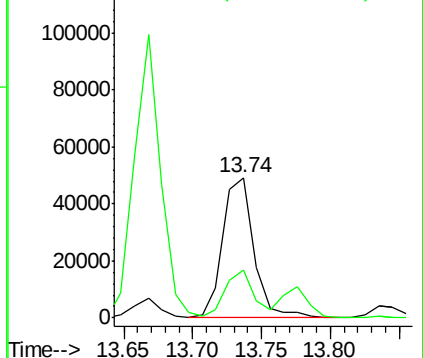
75 100

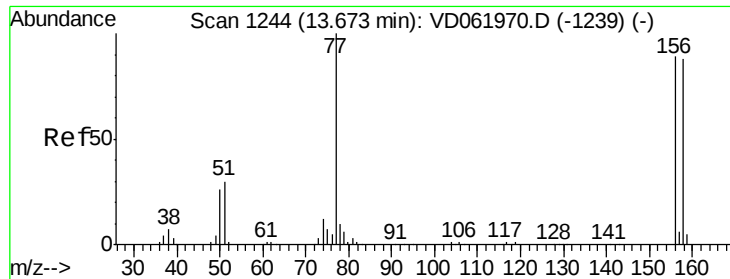
77 34.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.511 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBSD01

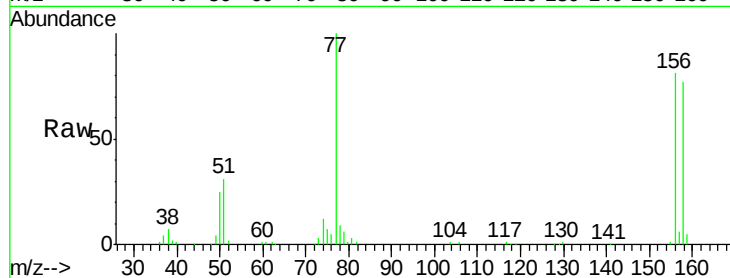
Tot Ion:156 Resp: 108507

Ion Ratio Lower Upper

156 100

77 123.4 53.1 159.4

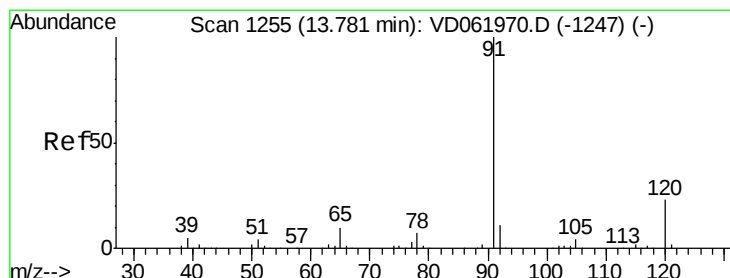
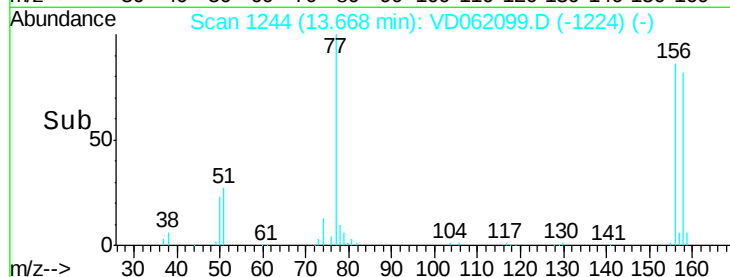
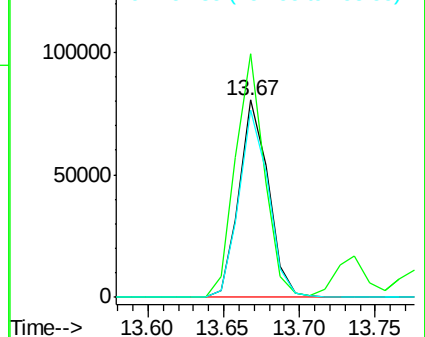
158 95.3 49.4 148.0



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: 17.380 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062099.D

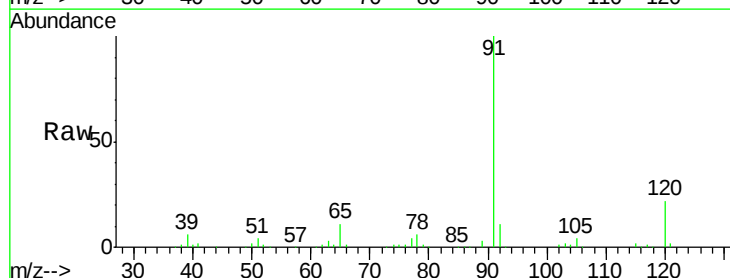
Acq: 1 May 2019 13:32

Tgt Ion: 91 Resp: 406532

Ion Ratio Lower Upper

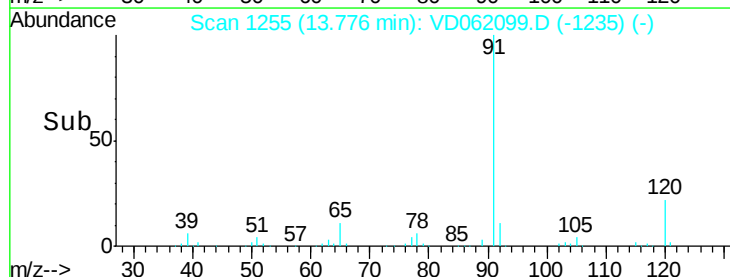
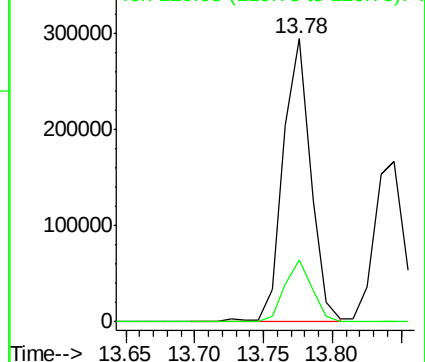
91 100

120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

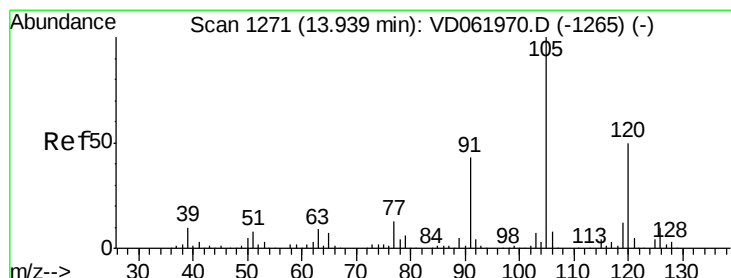
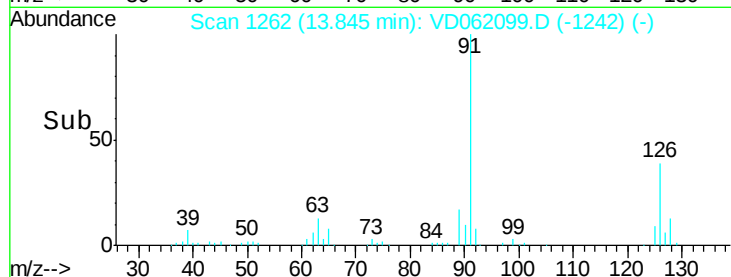
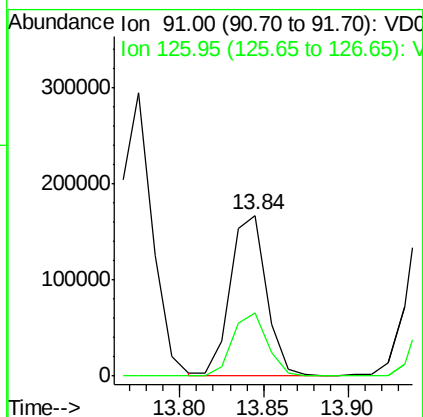
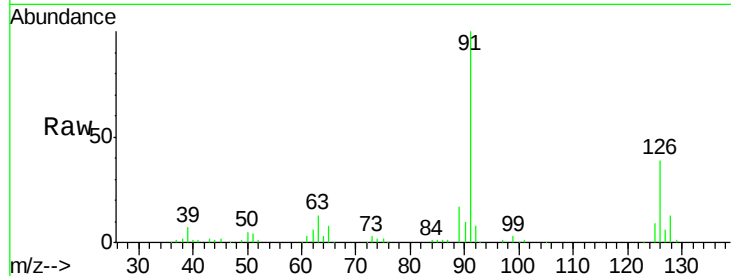




#79
 2-Chlorotoluene
 Concen: 17.570 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

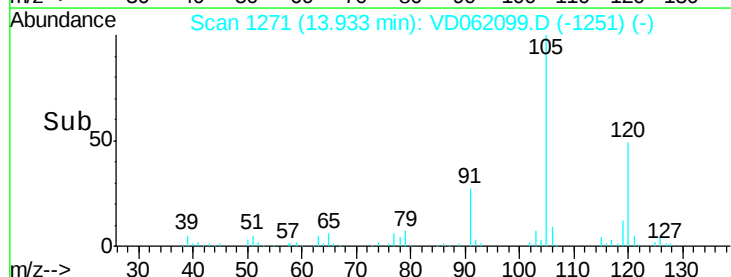
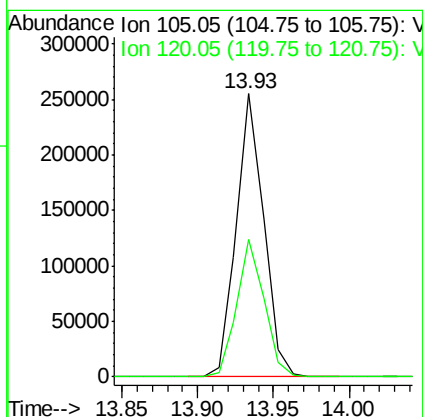
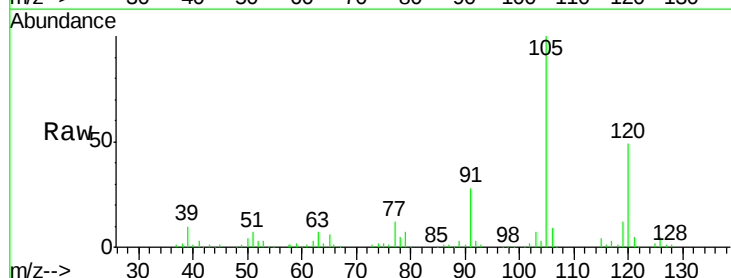
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

Tot Ion: 91 Resp: 248941
 Ion Ratio Lower Upper
 91 100
 126 39.4 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.636 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion: 105 Resp: 319931
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.0 72.0

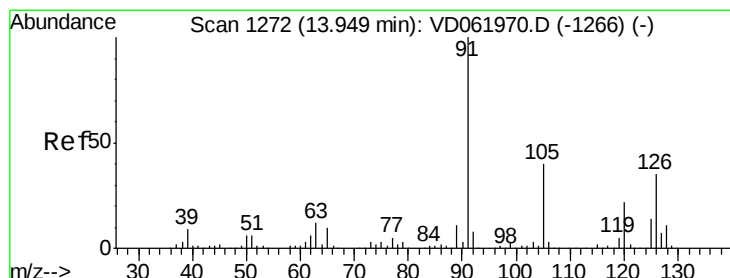
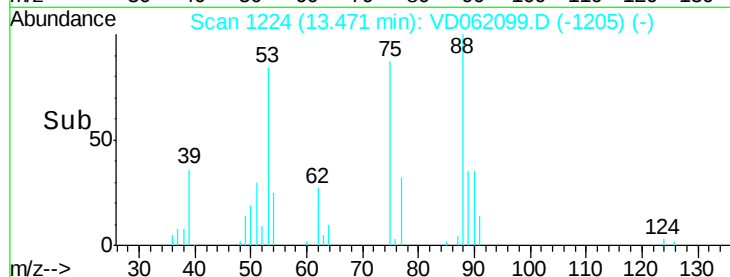
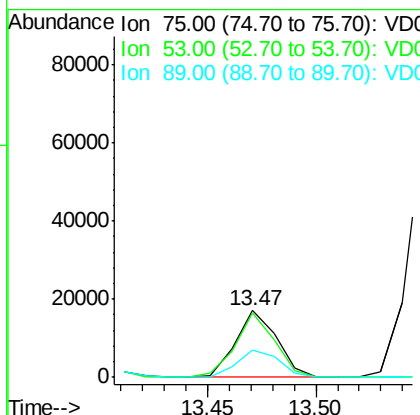
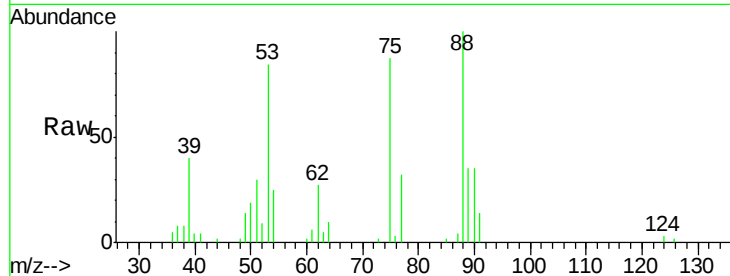




#81
trans-1,4-Dichloro-2-butene
Concen: 19.132 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

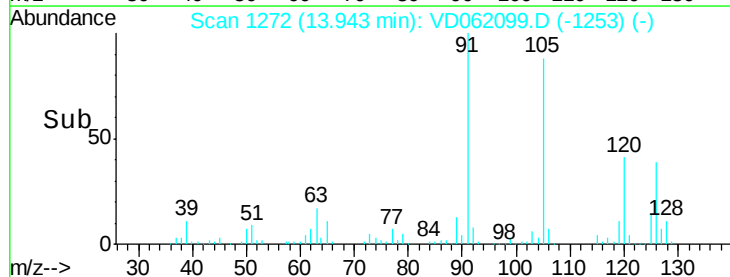
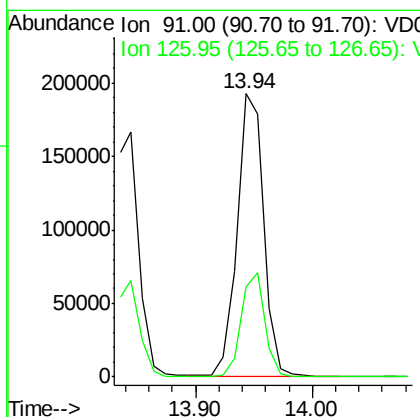
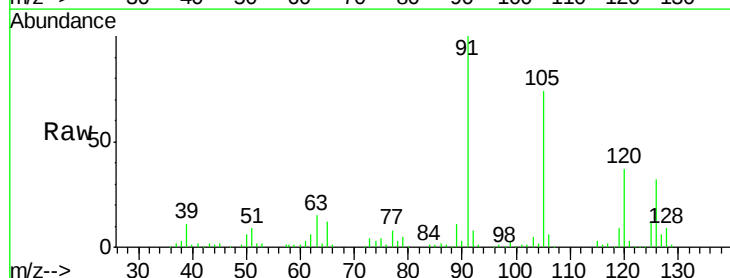
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

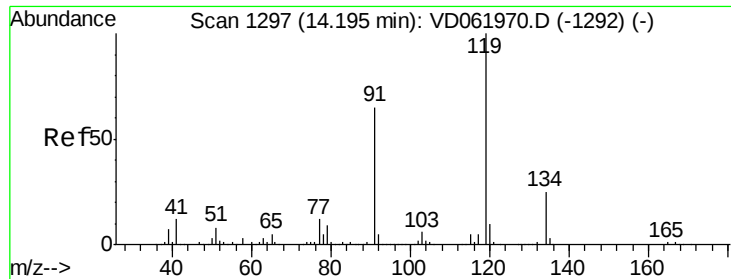
Tot Ion: 75 Resp: 22552
Ion Ratio Lower Upper
75 100
53 96.5 65.8 98.8
89 40.3 35.0 52.6



#82
4-Chlorotoluene
Concen: 19.318 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion: 91 Resp: 301423
Ion Ratio Lower Upper
91 100
126 31.8 19.1 57.5

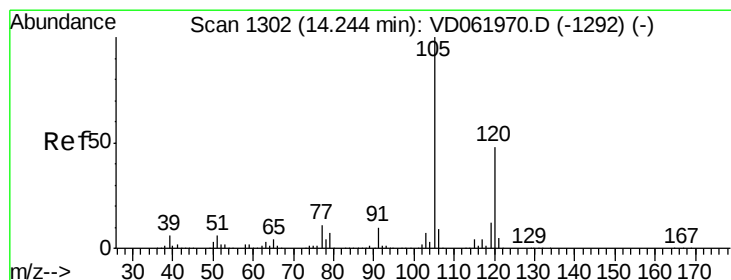
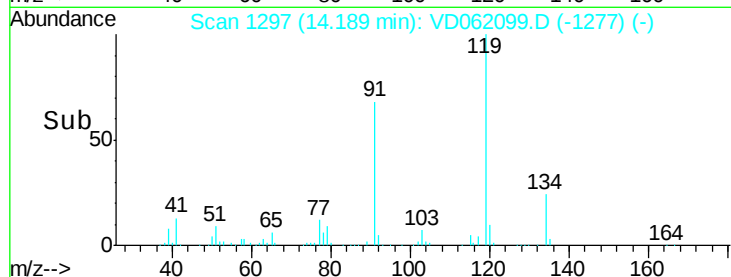
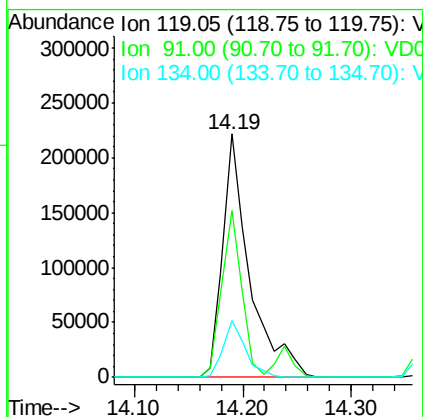
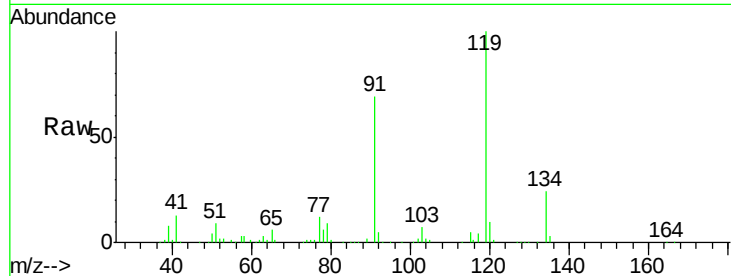




#83
tert-Butylbenzene
Concen: 20.407 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

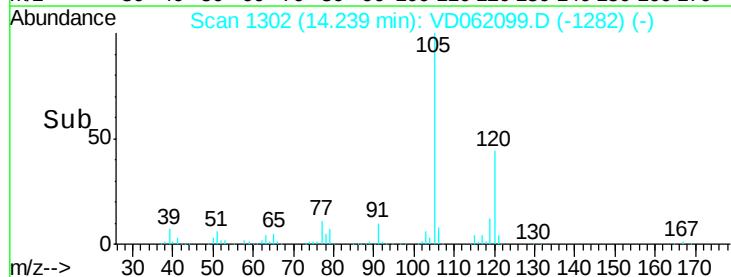
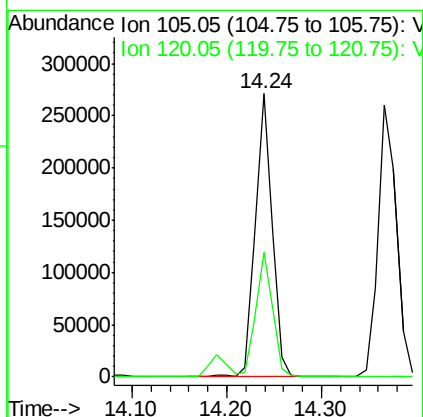
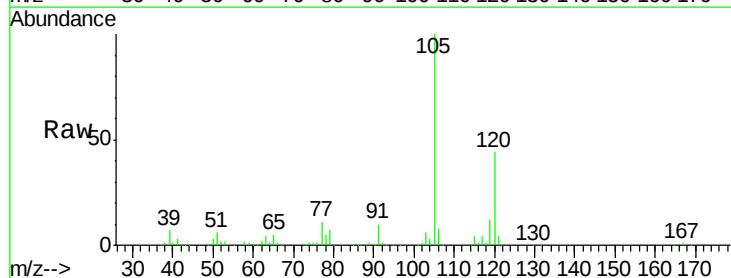
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

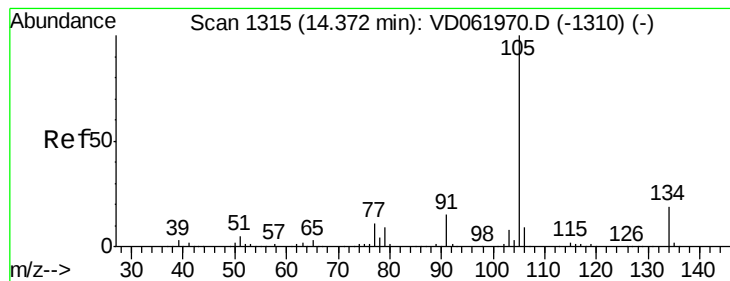
Tot Ion:119 Resp: 385165
Ion Ratio Lower Upper
119 100
91 68.6 34.2 102.6
134 23.5 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 21.510 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion:105 Resp: 334629
Ion Ratio Lower Upper
105 100
120 44.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 17.428 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

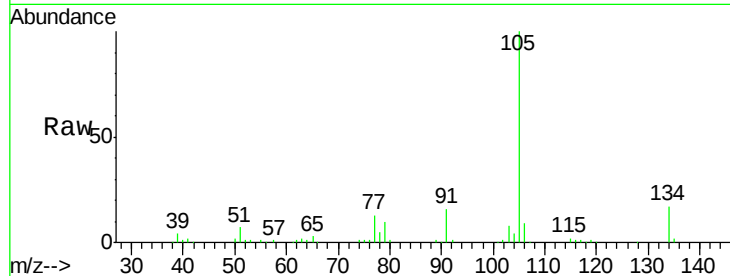
VD0501SBS01

Tot Ion:105 Resp: 355417

Ion Ratio Lower Upper

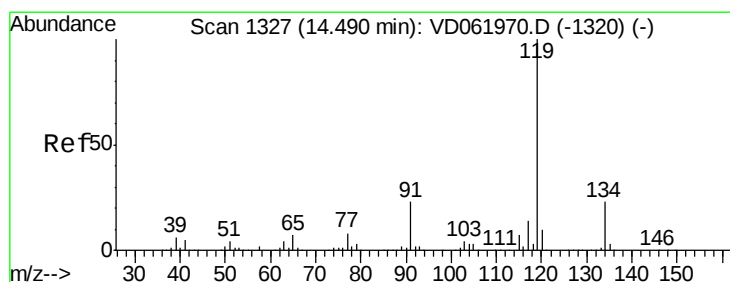
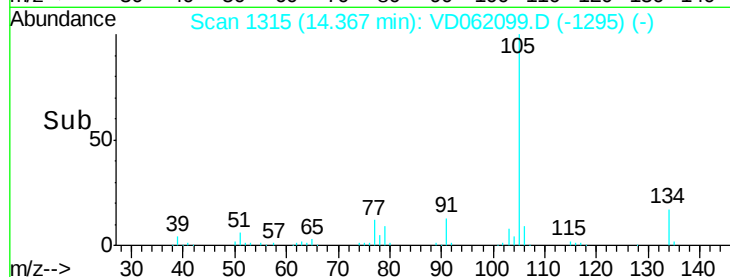
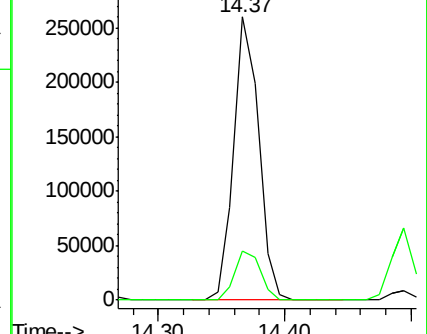
105 100

134 17.4 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.739 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

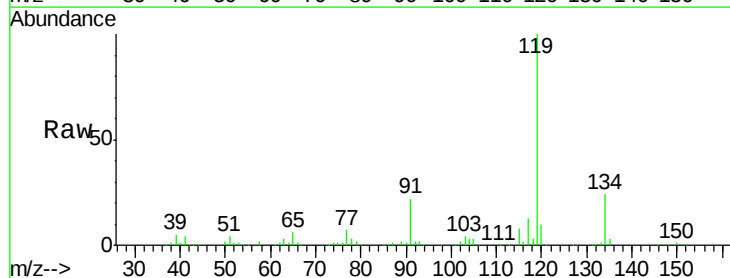
Tgt Ion:119 Resp: 342027

Ion Ratio Lower Upper

119 100

134 24.0 12.8 38.3

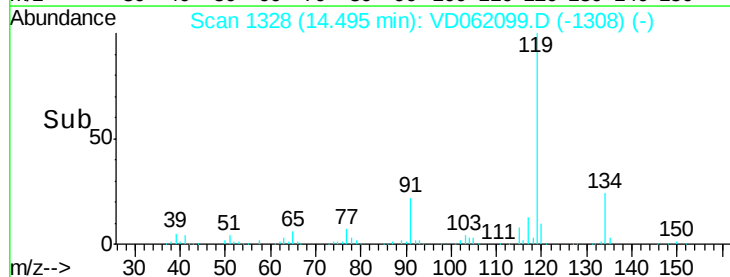
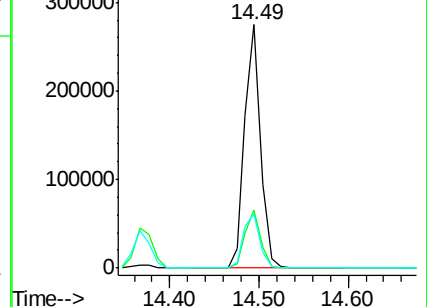
91 22.2 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

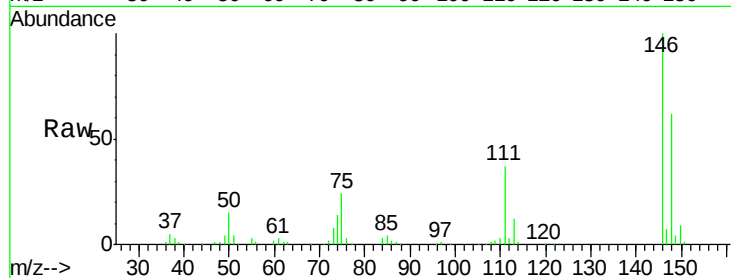




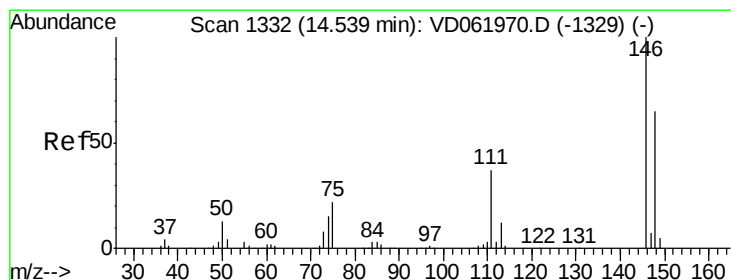
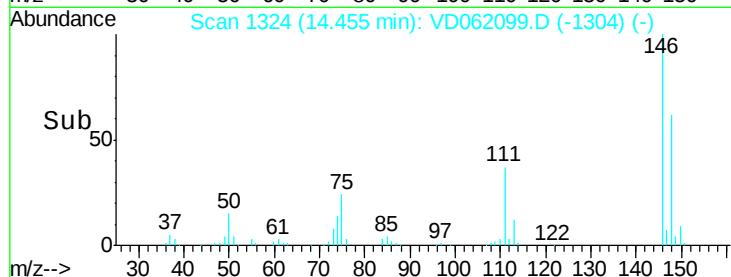
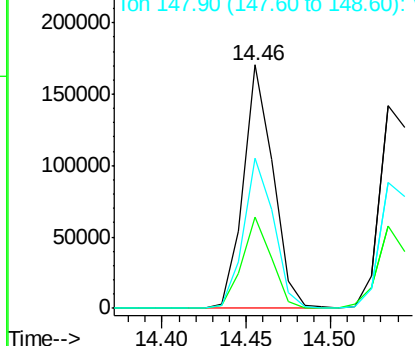
#87
 1,3-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

Tot Ion:146 Resp: 208964
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.0 60.0
 148 61.8 31.8 95.4

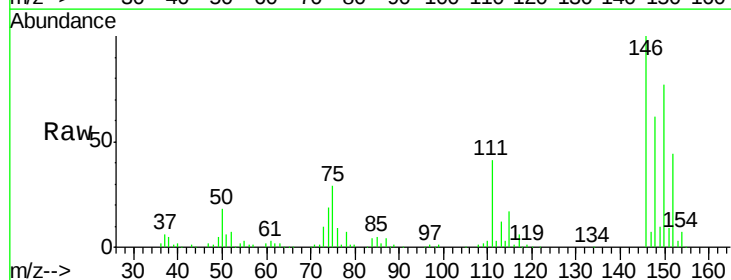


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

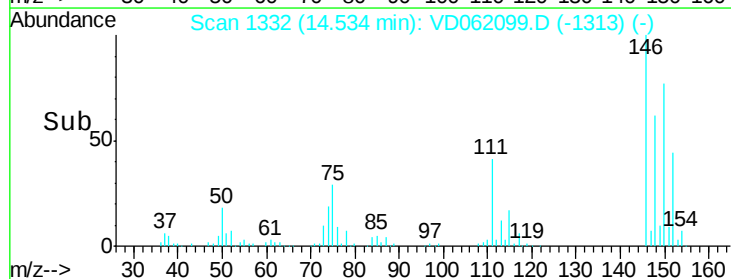
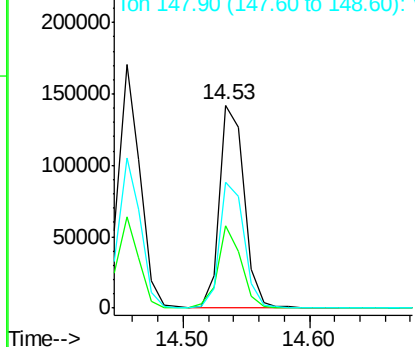


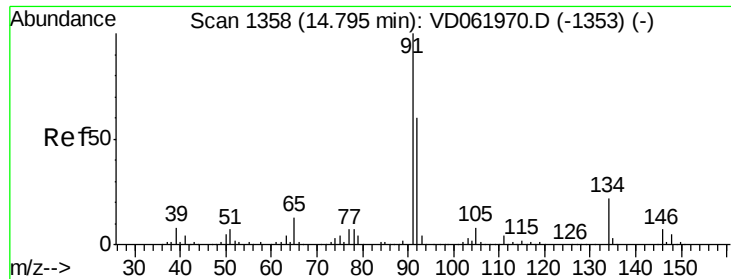
#88
 1,4-Dichlorobenzene
 Concen: 20.166 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion:146 Resp: 193582
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.2 60.5
 148 61.9 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: 20.215 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062099.D

Acq: 1 May 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBS01

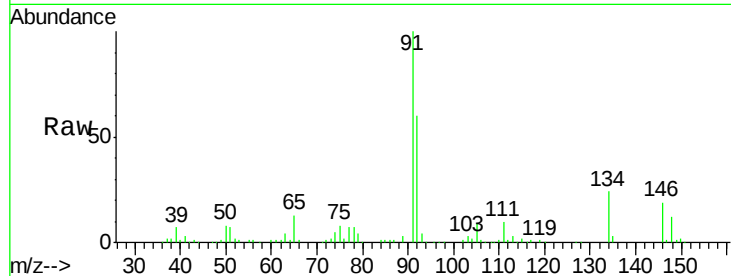
Tot Ion: 91 Resp: 331247

Ion Ratio Lower Upper

91 100

92 59.5 30.3 91.0

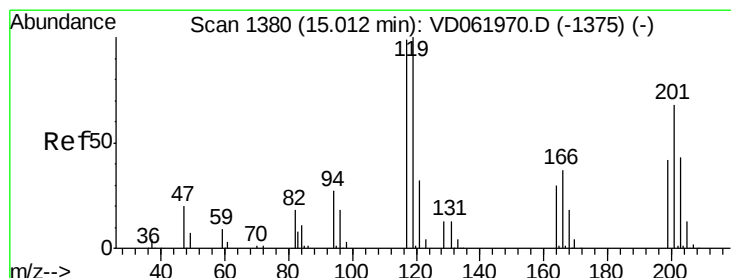
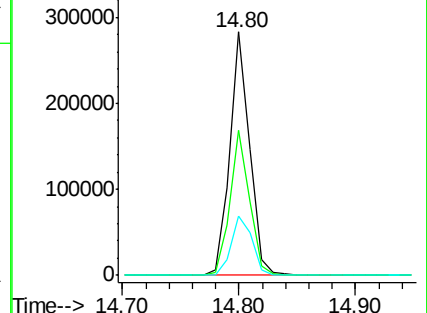
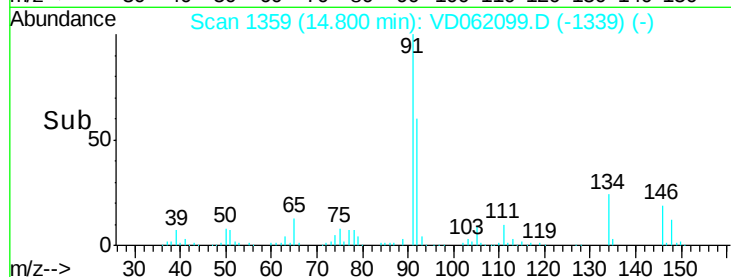
134 24.1 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.249 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062099.D

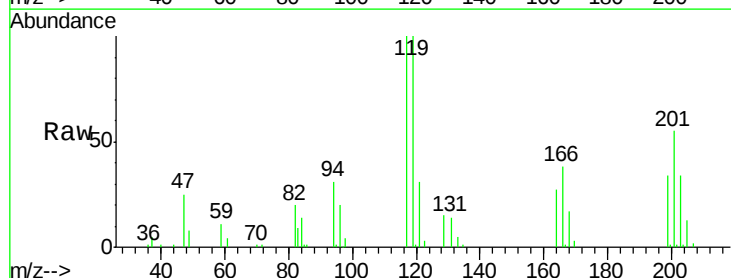
Acq: 1 May 2019 13:32

Tgt Ion: 117 Resp: 90064

Ion Ratio Lower Upper

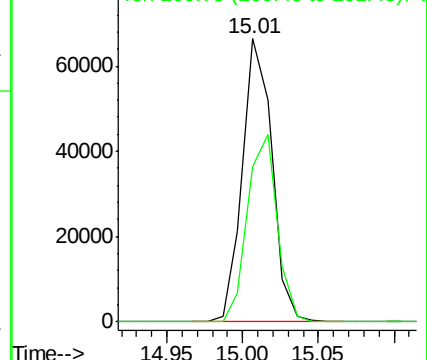
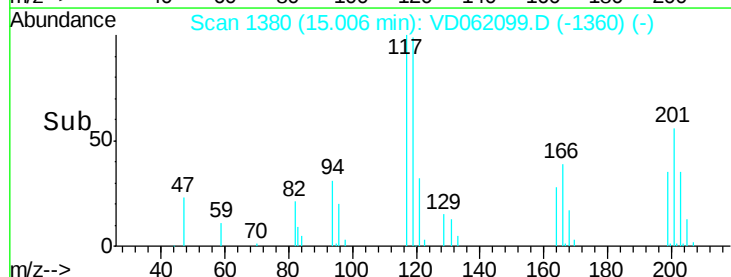
117 100

201 54.9 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

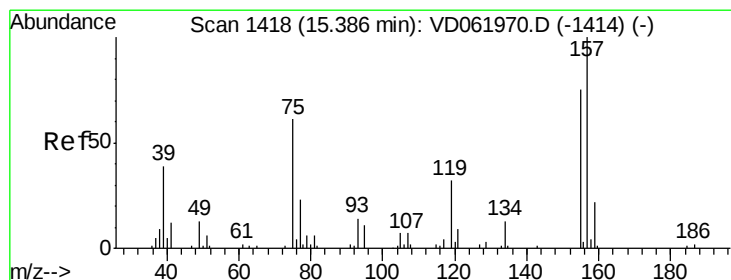
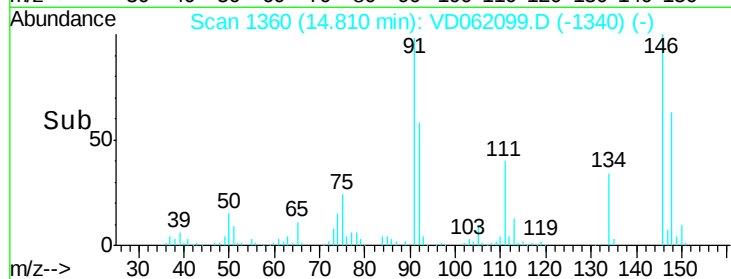
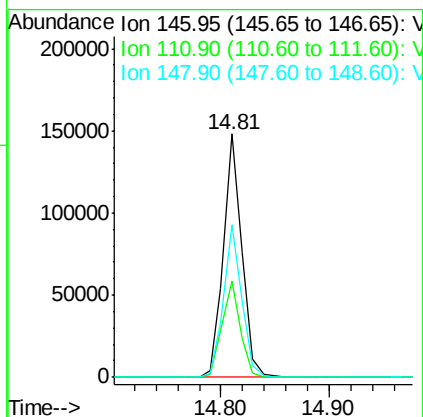
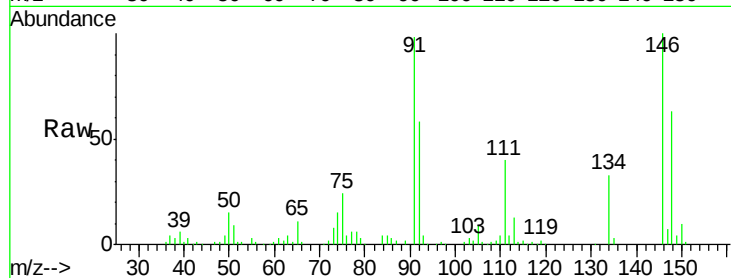




#91
 1,2-Dichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

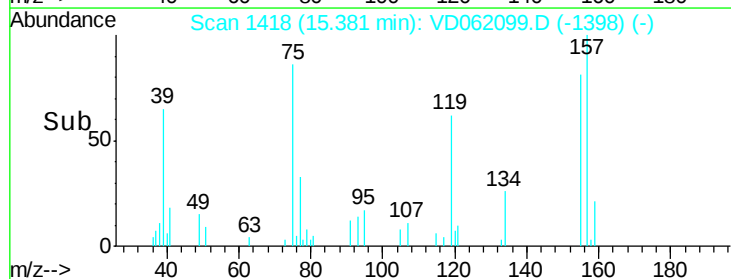
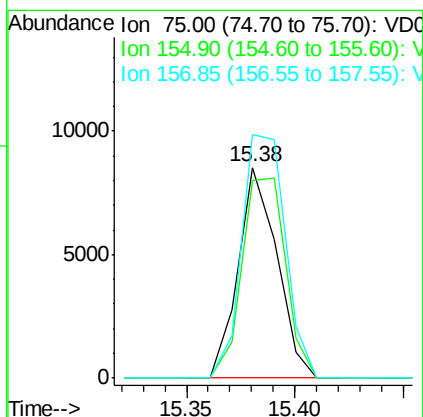
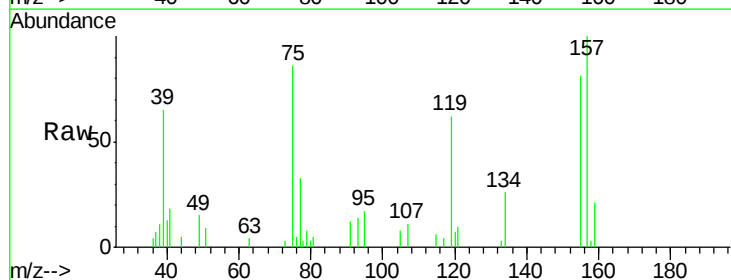
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

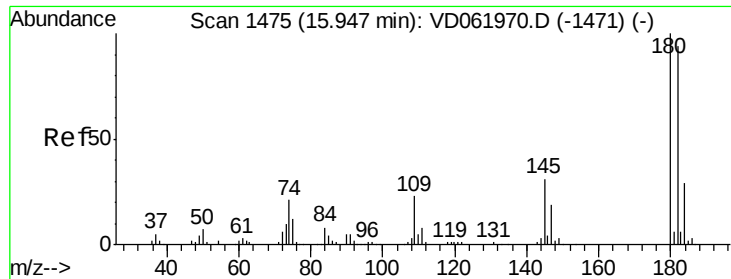
Tot Ion:146 Resp: 175286
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 62.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.648 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion: 75 Resp: 10624
 Ion Ratio Lower Upper
 75 100
 155 94.1 55.3 165.8
 157 115.7 67.8 203.2

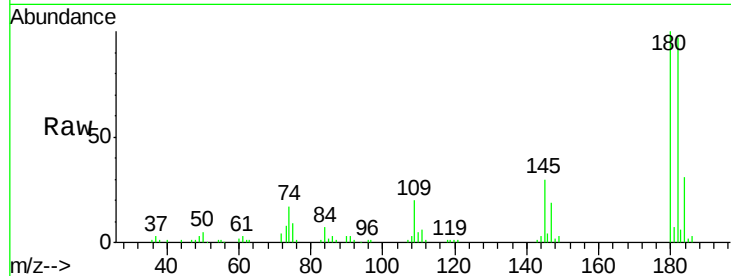




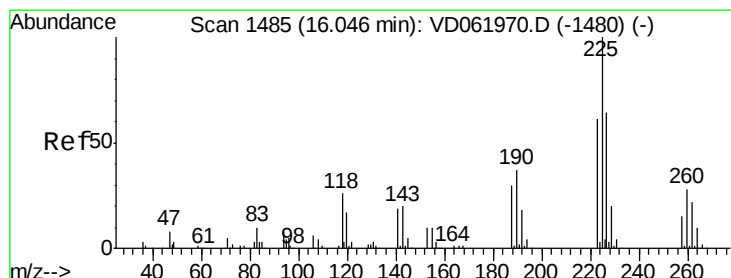
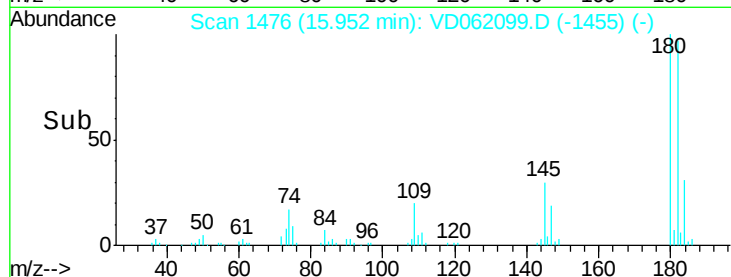
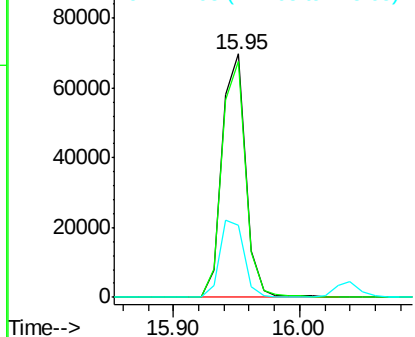
#93
 1,2,4-Trichlorobenzene
 Concen: 19.806 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

Tot Ion:180 Resp: 90484
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.3 147.8
 145 29.5 16.2 48.6

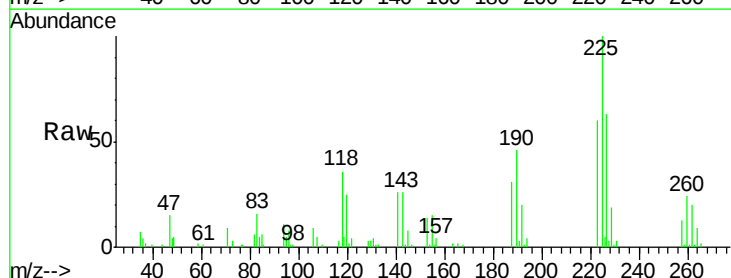


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

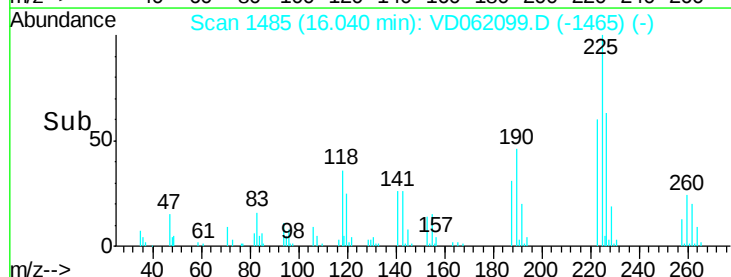
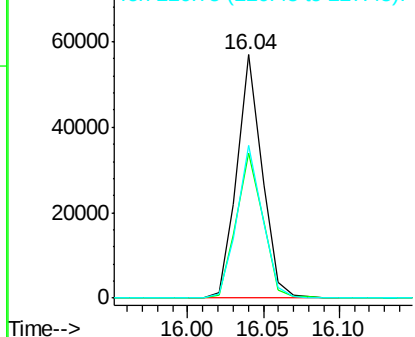


#94
 Hexachlorobutadiene
 Concen: 19.536 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Tgt Ion:225 Resp: 66051
 Ion Ratio Lower Upper
 225 100
 223 59.6 30.6 92.0
 227 62.6 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

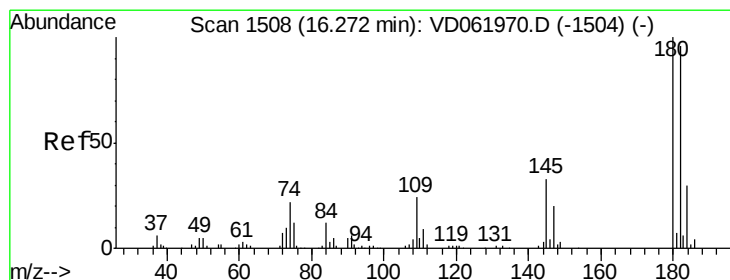
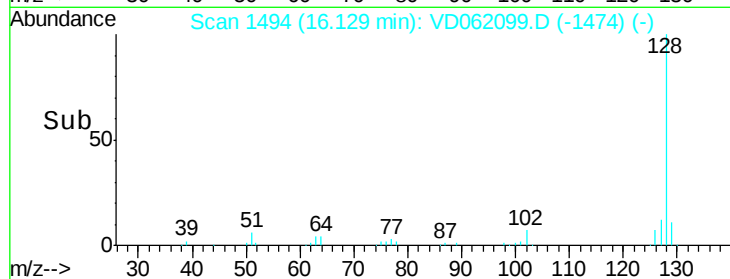
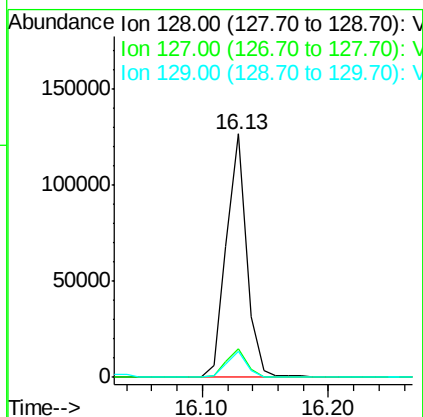
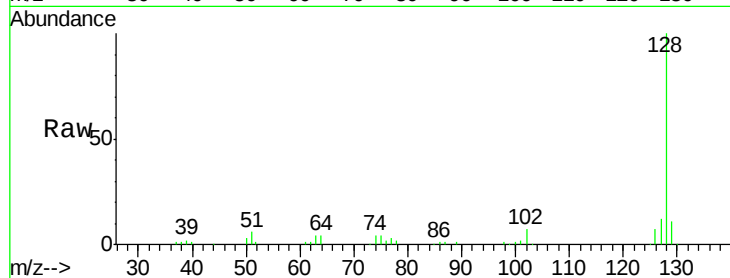




#95
Naphthalene
Concen: 19.147 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

Tot Ion:128 Resp: 141241
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.611 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Tgt Ion:180 Resp: 50834
Ion Ratio Lower Upper
180 100
182 93.9 47.0 141.0
145 32.3 17.0 51.0

