

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062099.D
 Acq On : 1 May 2019 13:32
 Operator : FY/SY
 Sample : VD0501SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

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

33) 1,2-Dichloroethane-d4	7.43	65	208559	51.79	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	6.89	113	308121	57.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.84%	
50) Toluene-d8	10.39	98	722258	57.06	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.12%	
62) 4-Bromofluorobenzene	13.56	95	257616	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						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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 Sample : VD0501SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 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)
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

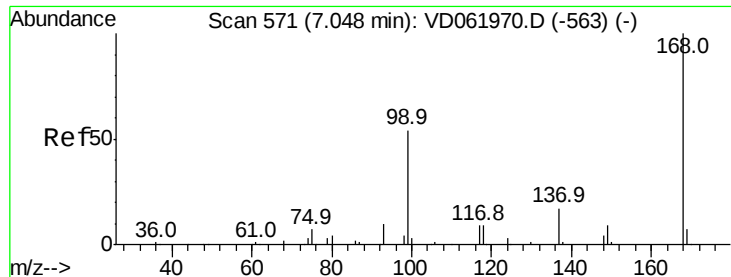
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
Data File : VD062099.D
Acq On : 1 May 2019 13:32
Operator : FY/SY
Sample : VD0501SBSD01
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MSVOA_D
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Quant Title : SW846 8260
QLast Update : Wed May 01 08:37:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	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 :

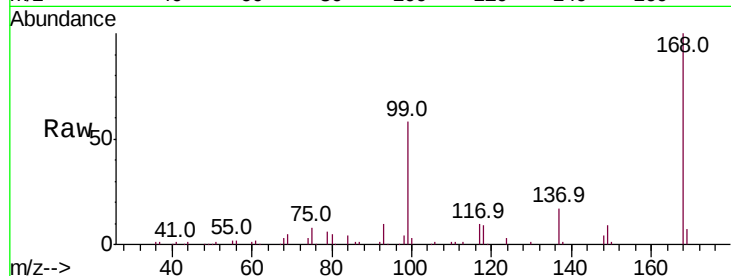
VD0501SBSD01

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

7.01

150000

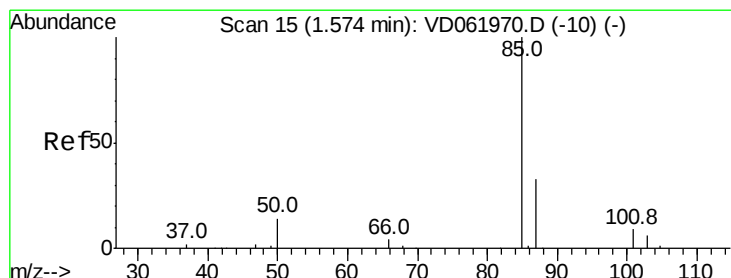
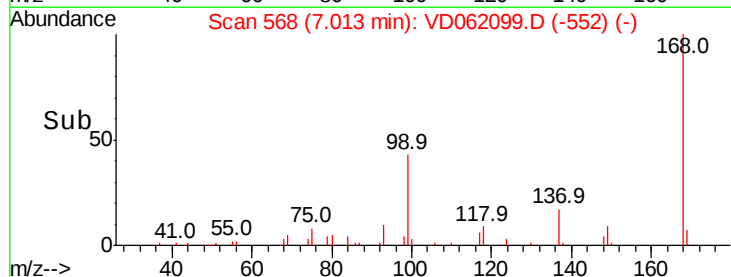
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 18.384 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.03 min

Lab File: VD062099.D

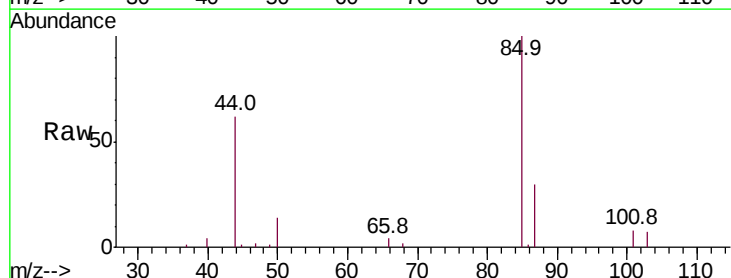
Acq: 1 May 2019 13:32

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

1.56

40000

30000

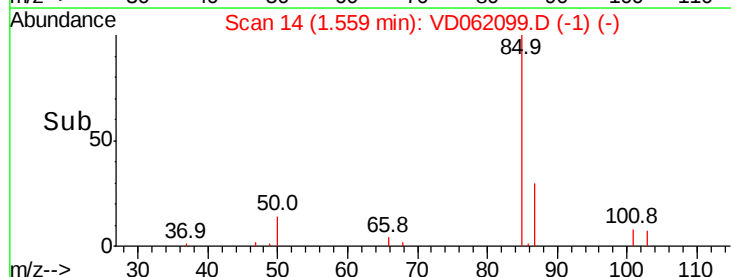
20000

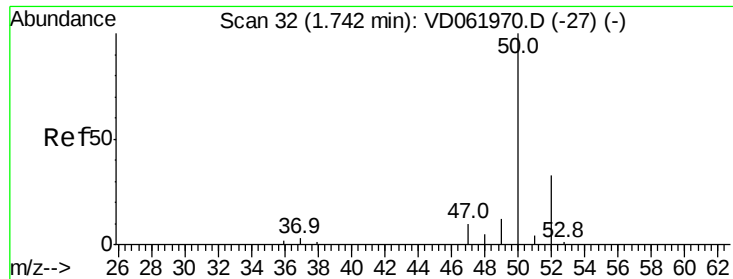
10000

0

1.50 1.60 1.70

Time-->





#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 :

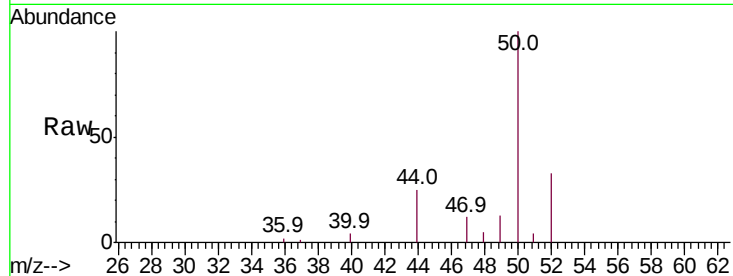
VD0501SBSD01

Tot Ion: 50 Resp: 70164

Ion Ratio Lower Upper

50 100

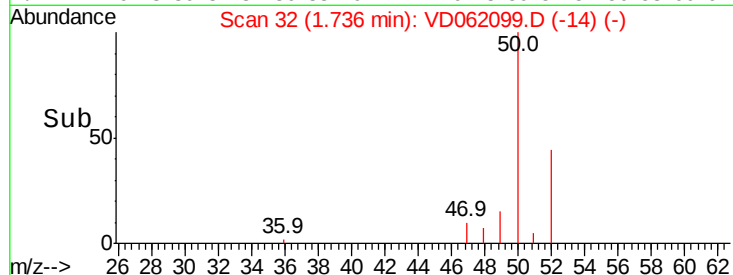
52 32.7 25.2 37.8



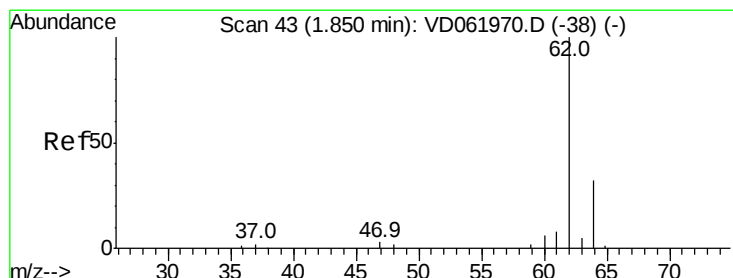
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74



Time-->



#4

Vinyl Chloride

Concen: 18.304 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062099.D

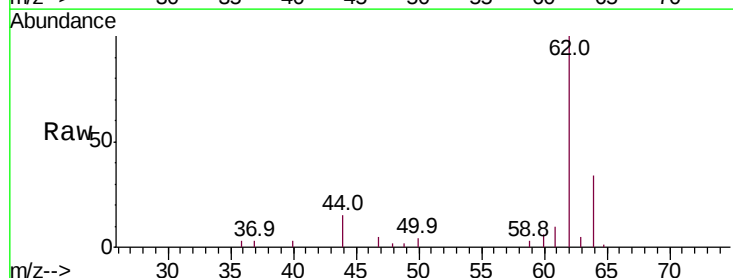
Acq: 1 May 2019 13:32

Tgt Ion: 62 Resp: 64782

Ion Ratio Lower Upper

62 100

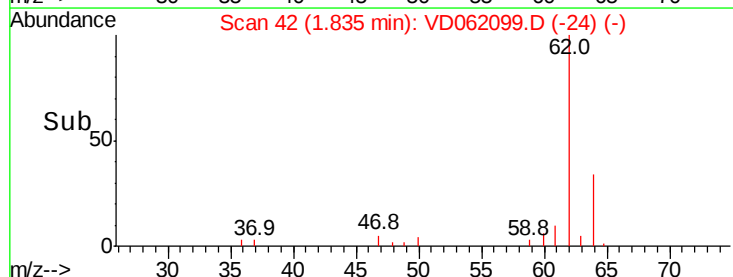
64 34.5 26.5 39.7



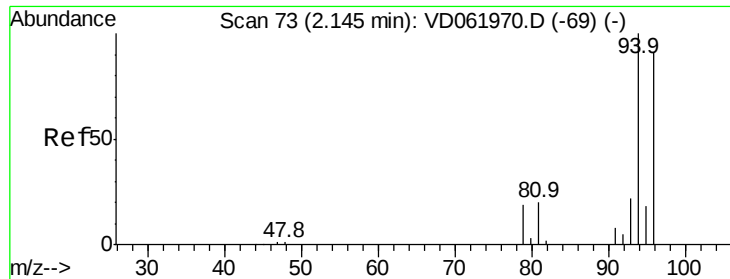
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83



Time-->



#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

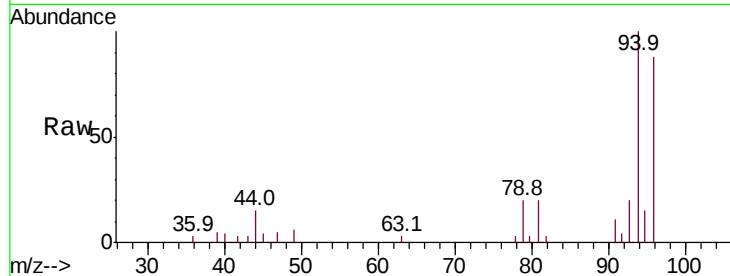
Tot Ion: 94 Resp: 20374

Ion Ratio Lower Upper

94 100

96 87.7 76.6 115.0

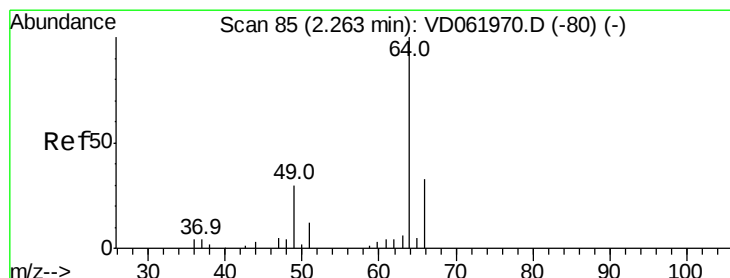
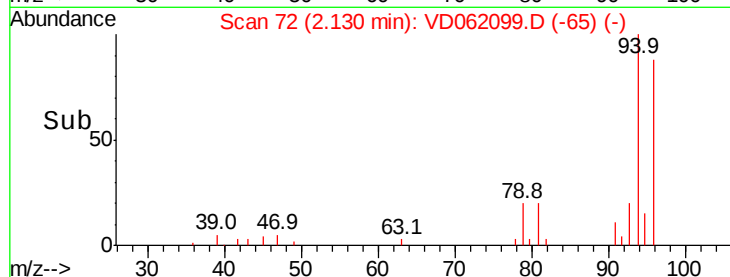
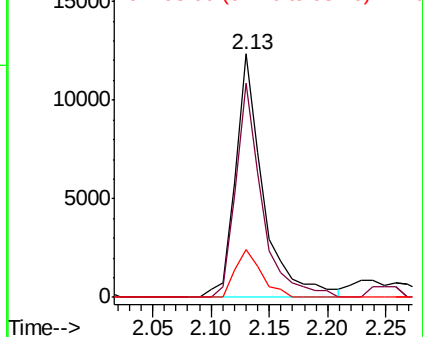
93 19.8 18.5 27.7



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

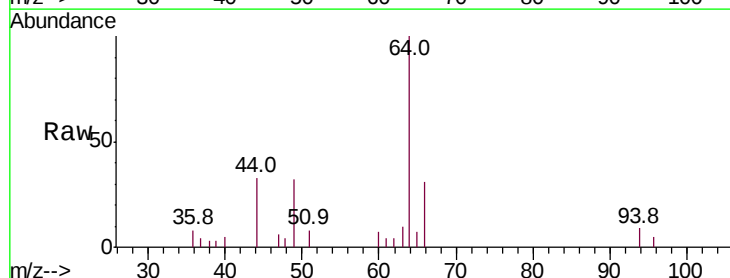
Acq: 1 May 2019 13:32

Tgt Ion: 64 Resp: 24978

Ion Ratio Lower Upper

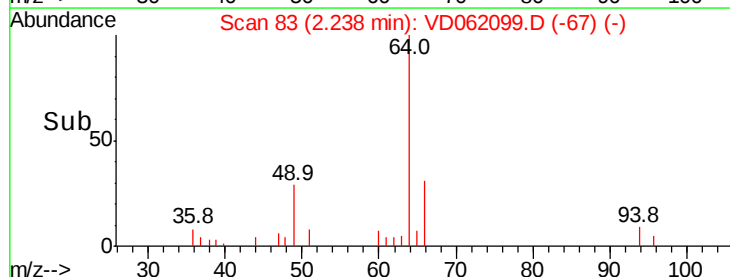
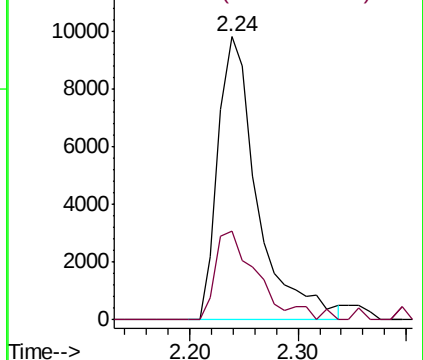
64 100

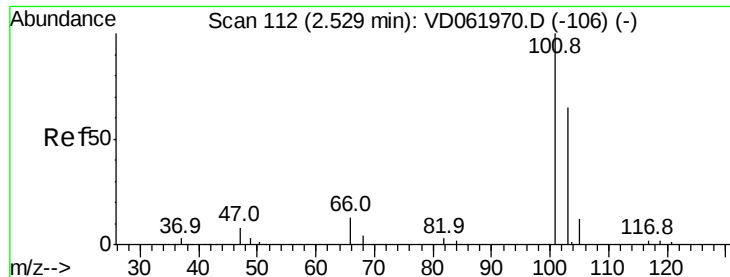
66 31.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



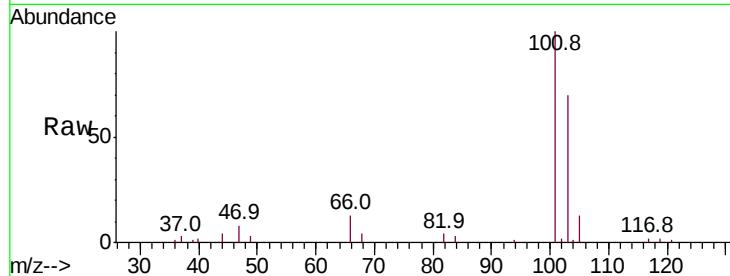


#7

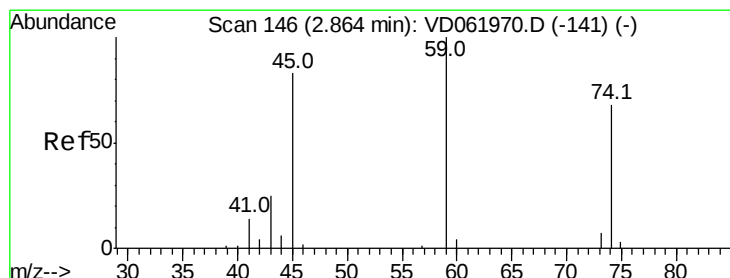
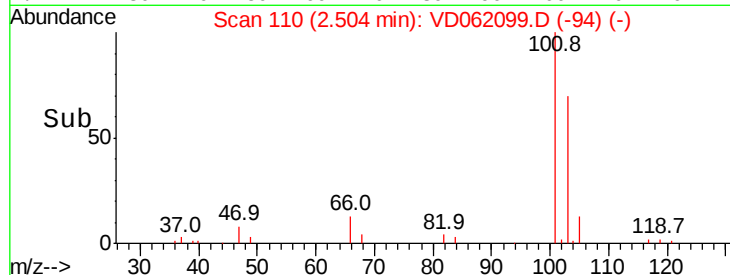
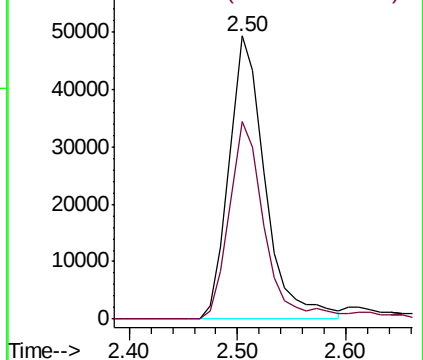
Trichlorofluoromethane
 Concen: 21.391 ug/l
 RT: 2.50 min Scan# 110
 Delta R.T. -0.04 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
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 VD0501SBSD01

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



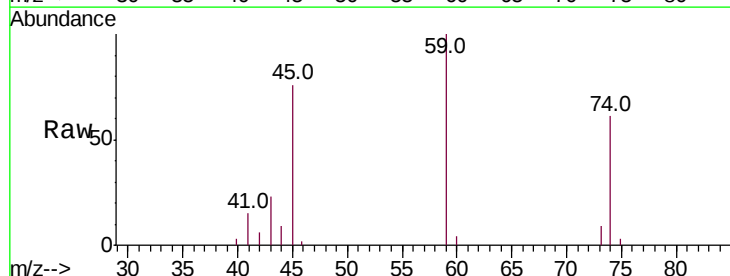
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



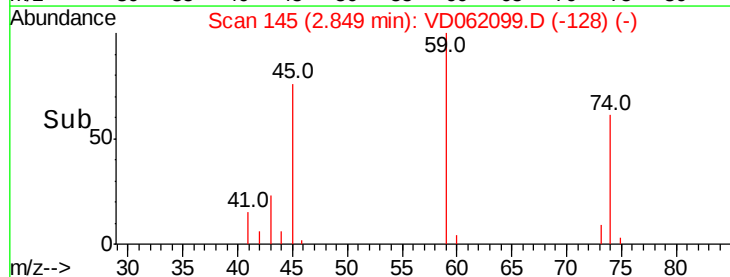
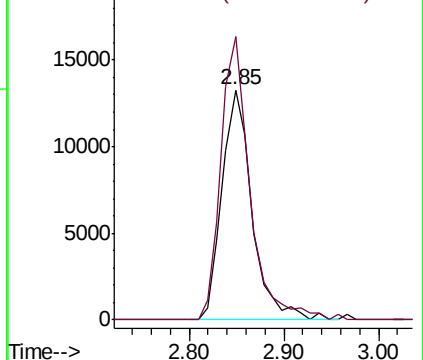
#8

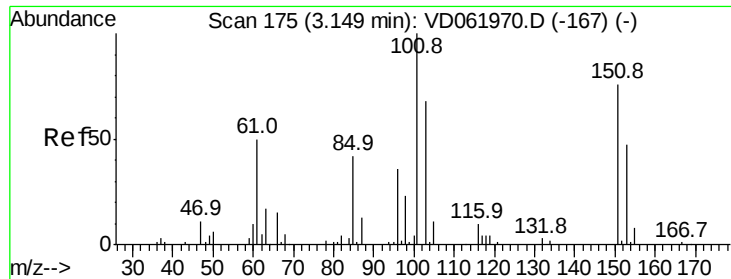
Diethyl Ether
 Concen: 20.316 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.03 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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 :

MSVOA_D

ClientSampleId :

VD0501SBSD01

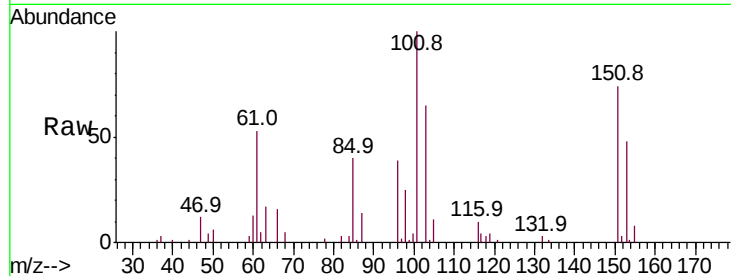
Tot Ion:101 Resp: 105895

Ion Ratio Lower Upper

101 100

85 40.2 32.4 48.6

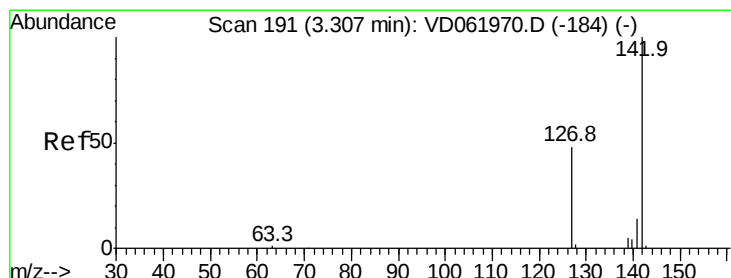
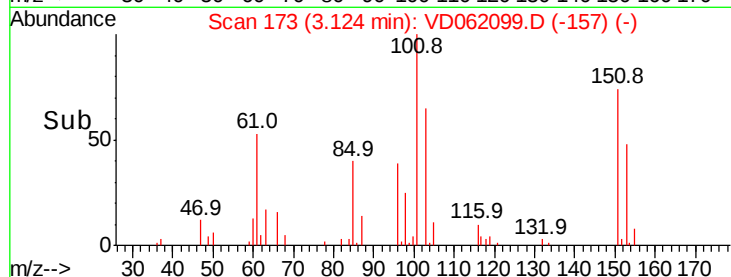
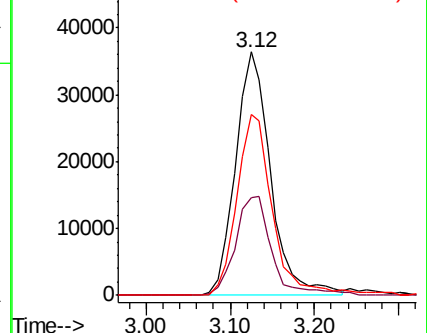
151 74.1 59.4 89.0



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

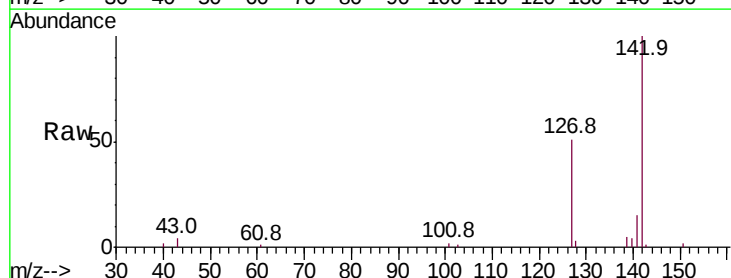
Tgt Ion:142 Resp: 114404

Ion Ratio Lower Upper

142 100

127 51.4 38.8 58.2

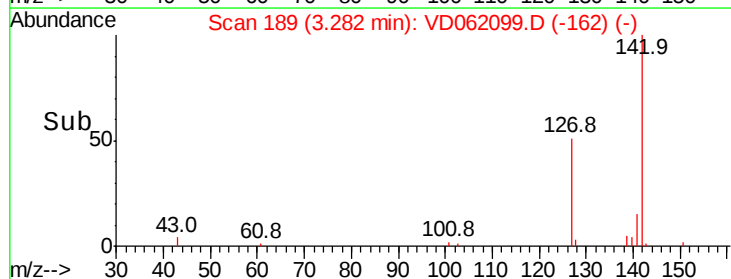
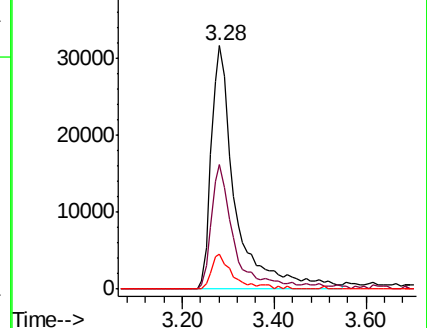
141 14.6 11.4 17.0

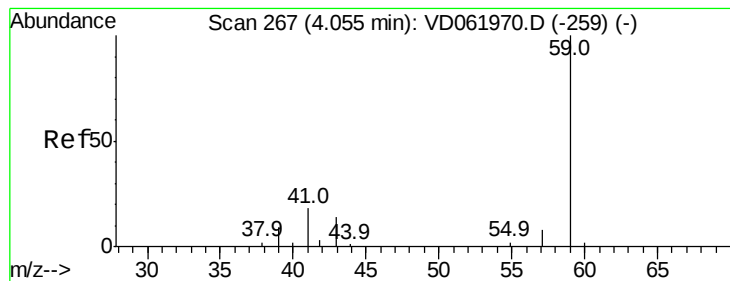


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



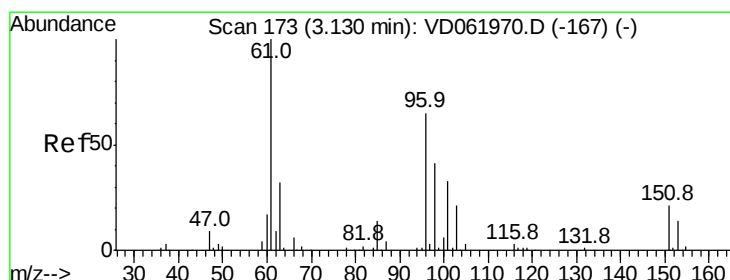
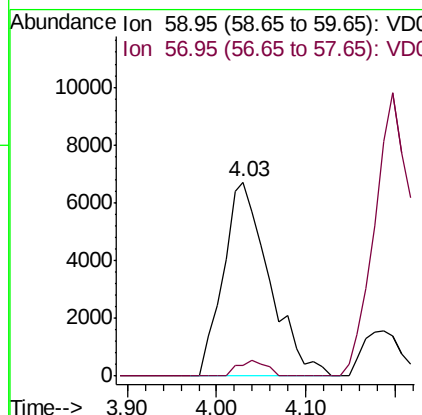
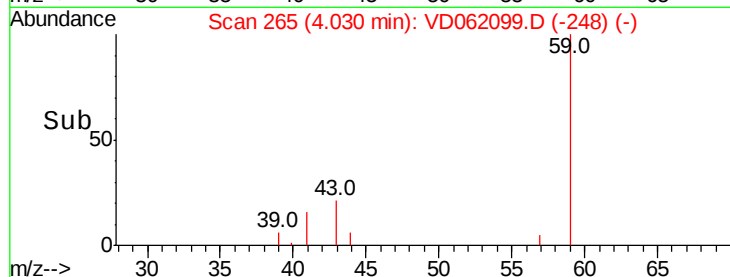
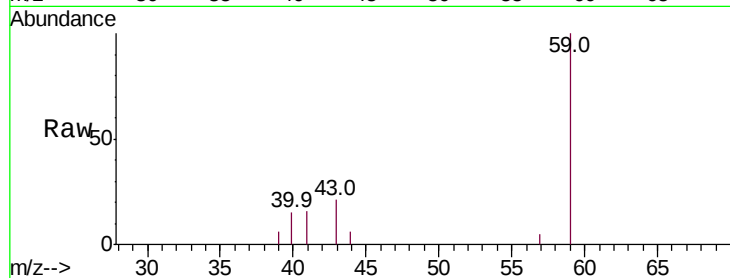


#11

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 :
 VD0501SBS01

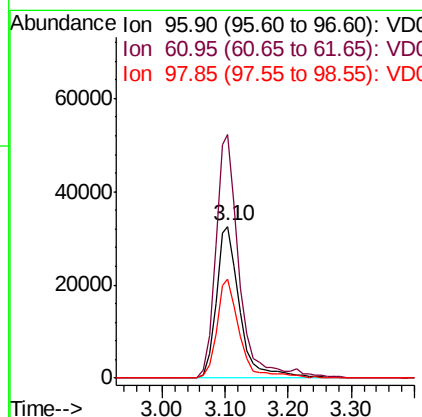
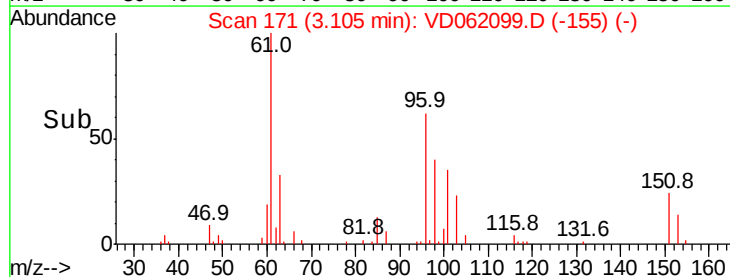
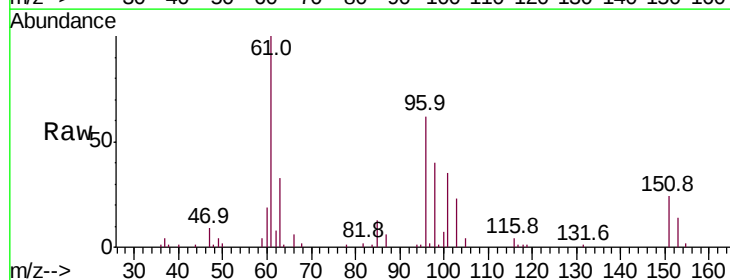
Tot Ion: 59 Resp: 24062
 Ion Ratio Lower Upper
 59 100
 57 5.4 6.9 10.3#

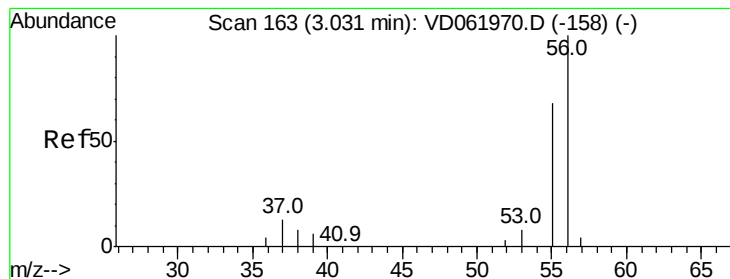


#12

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





#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 :

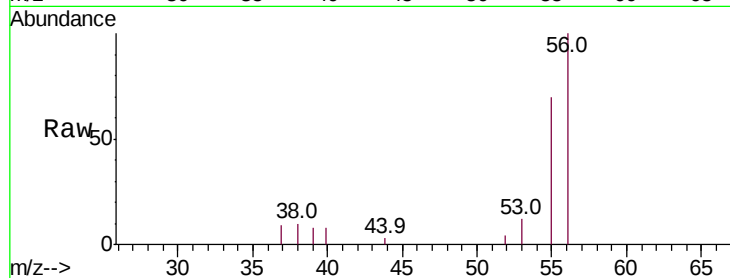
VD0501SBSD01

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

3.01

10000

8000

6000

4000

2000

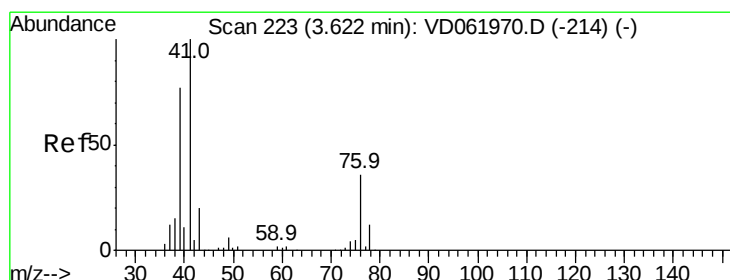
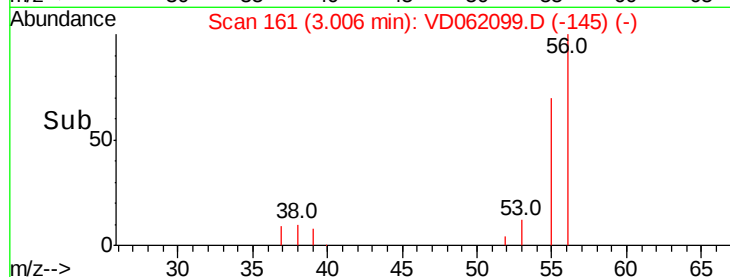
0

Time-->

2.90

3.00

3.10



#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

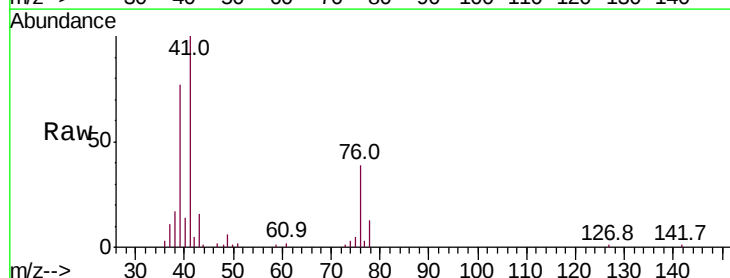
Tgt Ion: 41 Resp: 105361

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

3.59

50000

40000

30000

20000

10000

0

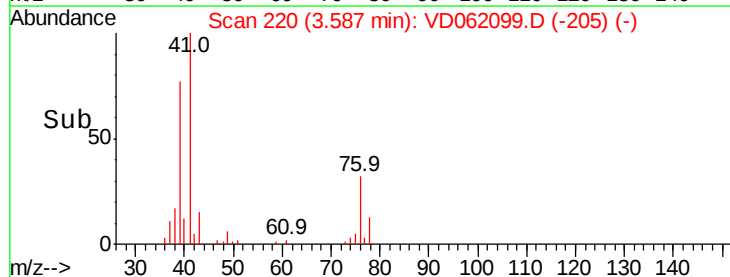
Time-->

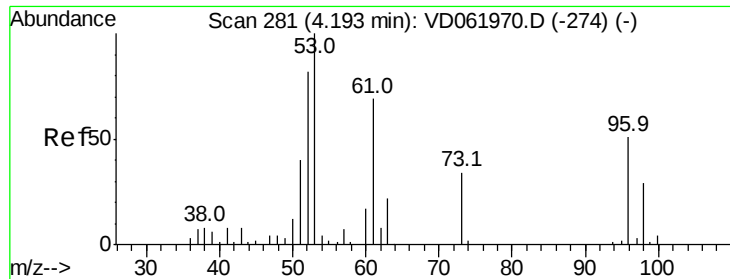
3.50

3.60

3.70

3.80





#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

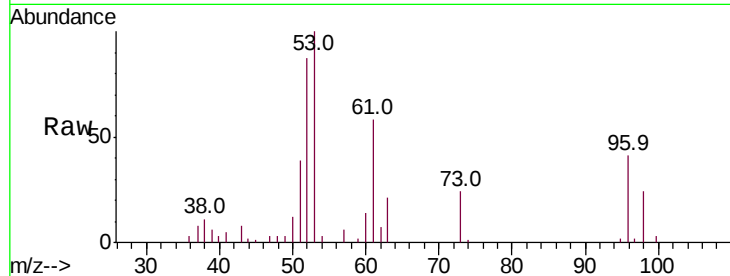
Tot Ion: 53 Resp: 70457

Ion Ratio Lower Upper

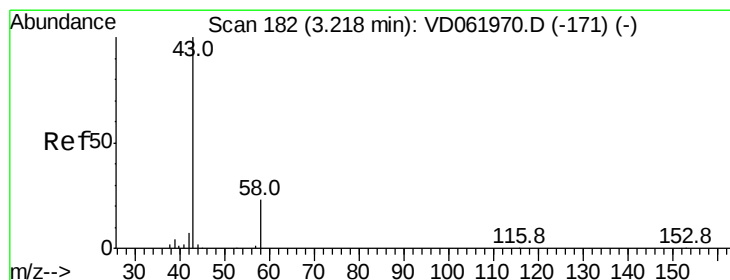
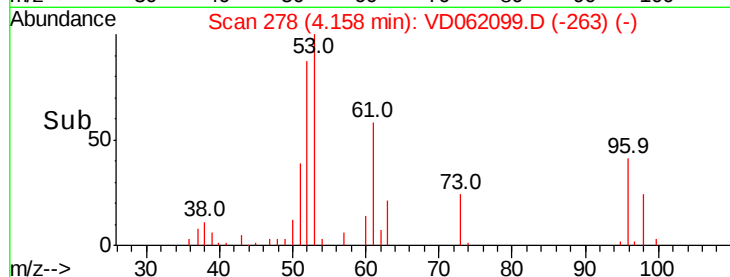
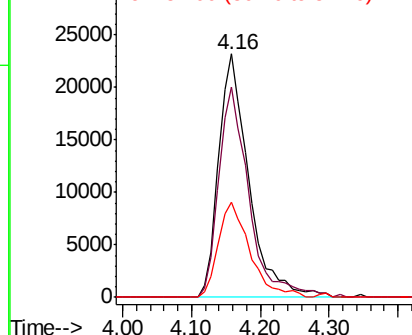
53 100

52 86.5 65.0 97.4

51 39.2 32.6 48.8



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



#16

Acetone

Concen: 95.258 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062099.D

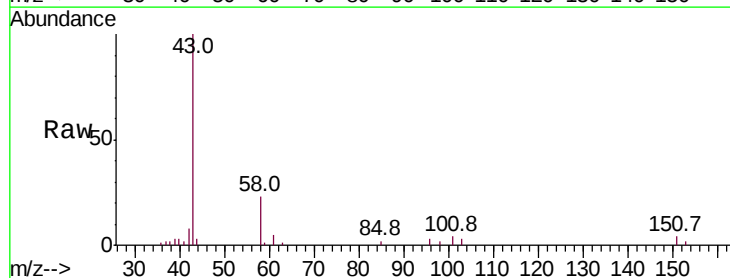
Acq: 1 May 2019 13:32

Tgt Ion: 43 Resp: 91595

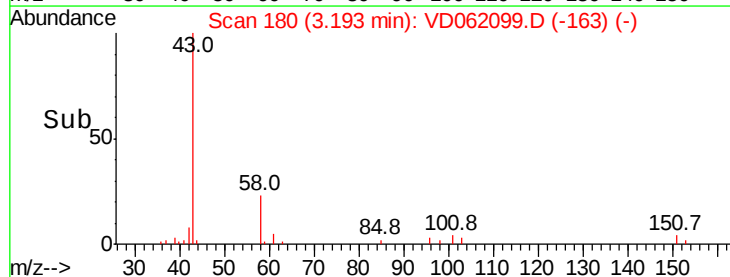
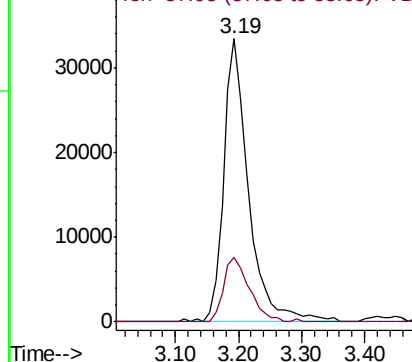
Ion Ratio Lower Upper

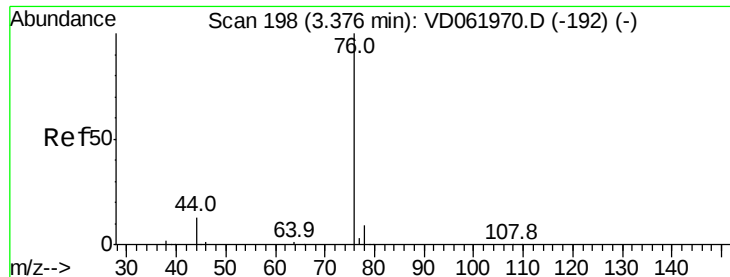
43 100

58 22.6 19.9 29.9



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

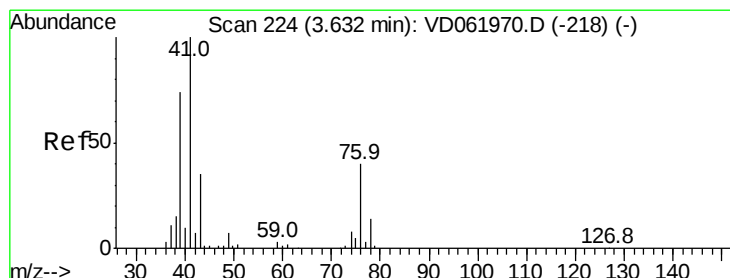
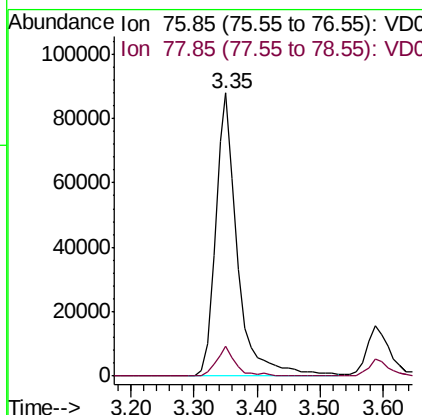
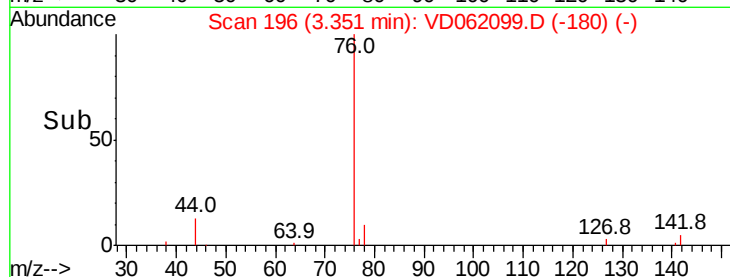
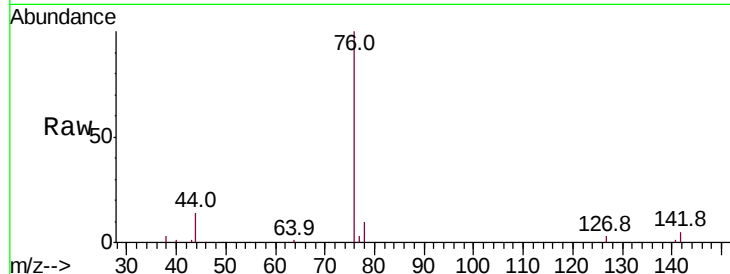




#17
Carbon Disulfide
Concen: 17.598 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.04 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

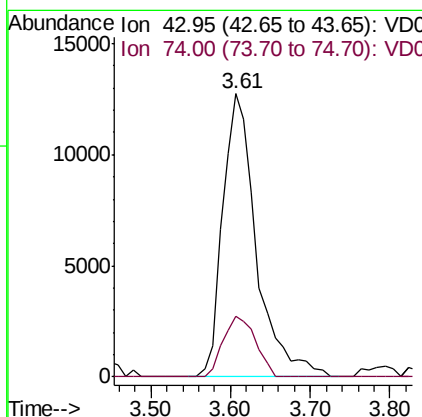
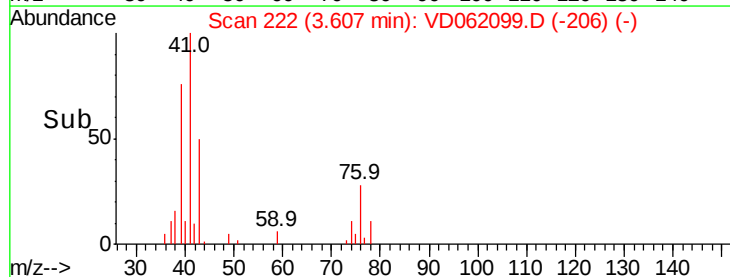
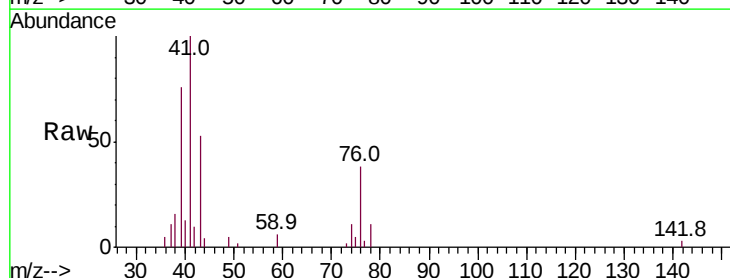
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

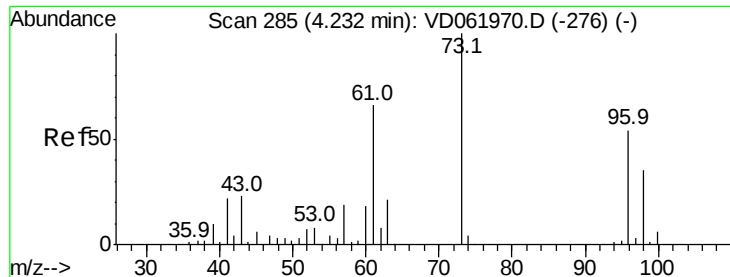
Tot Ion: 76 Resp: 213281
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



#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



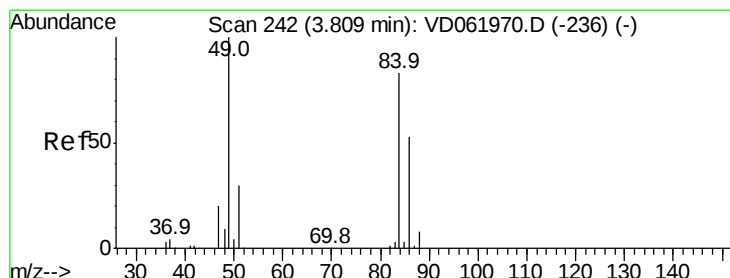
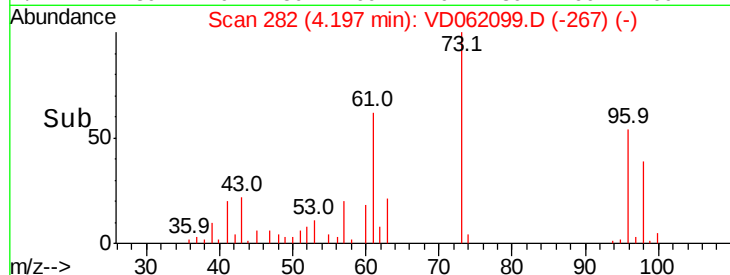
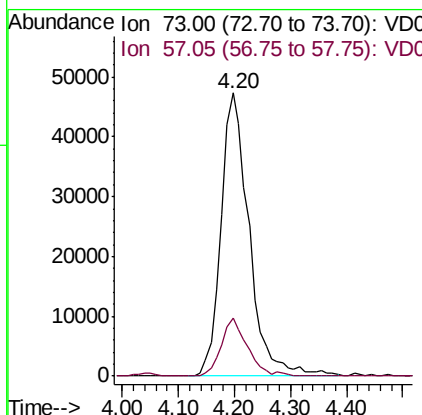
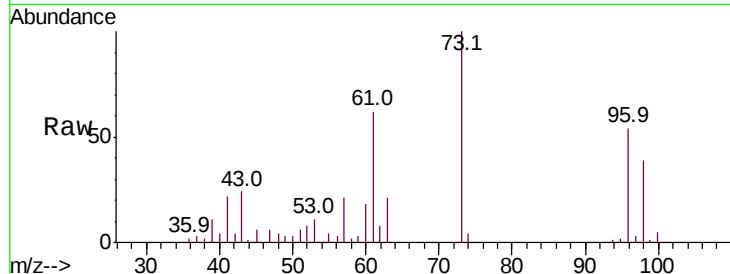


#19

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

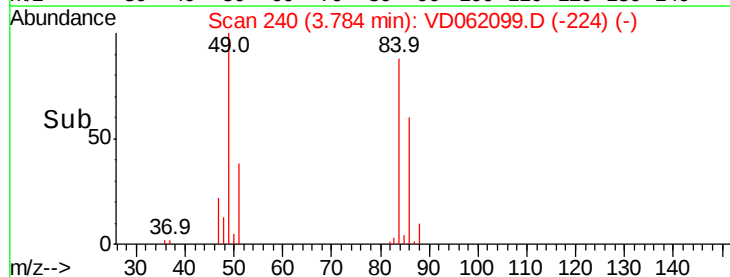
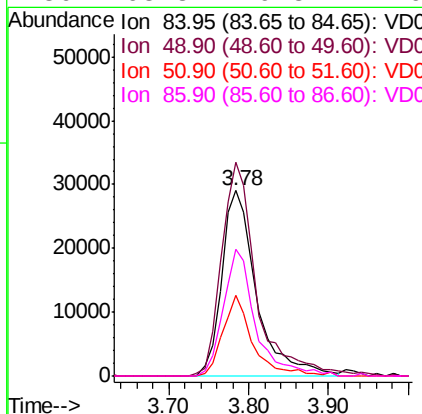
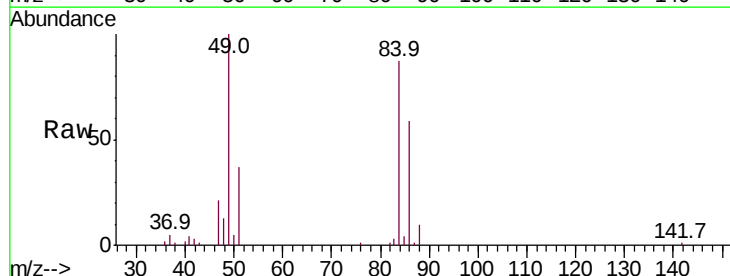
Tot Ion: 73 Resp: 165195
 Ion Ratio Lower Upper
 73 100
 57 20.7 16.3 24.5

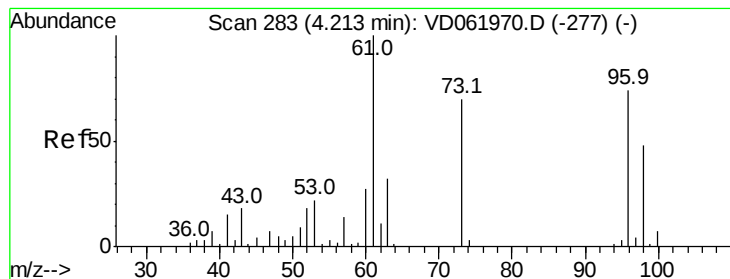


#20

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

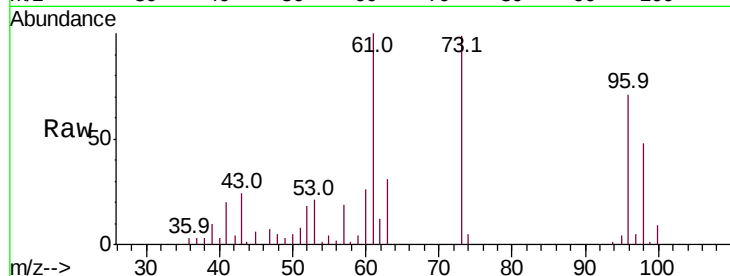
Tot Ion: 96 Resp: 90795

Ion Ratio Lower Upper

96 100

61 140.7 104.4 156.6

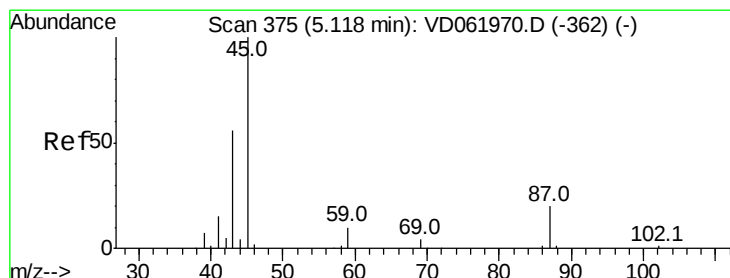
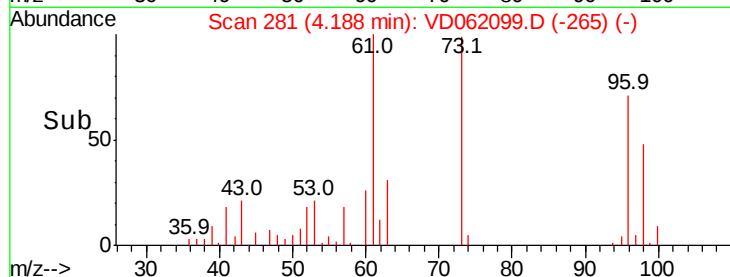
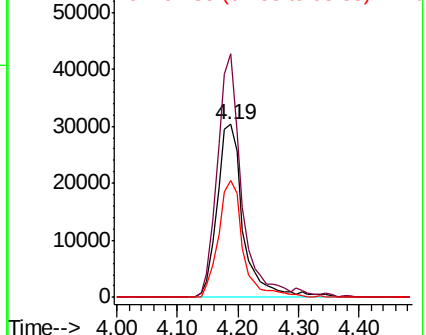
98 67.6 51.8 77.8



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

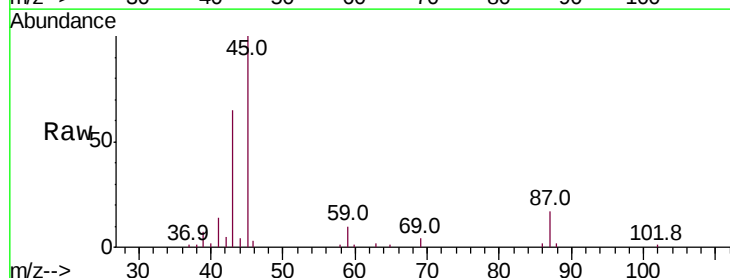
Ion Ratio Lower Upper

45 100

43 64.6 46.2 69.2

87 17.5 15.9 23.9

59 10.2 7.9 11.9

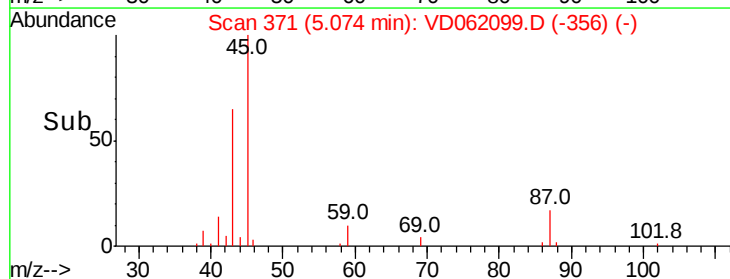
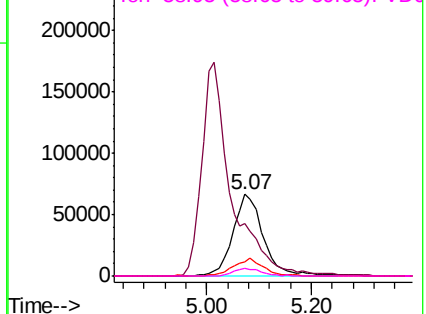


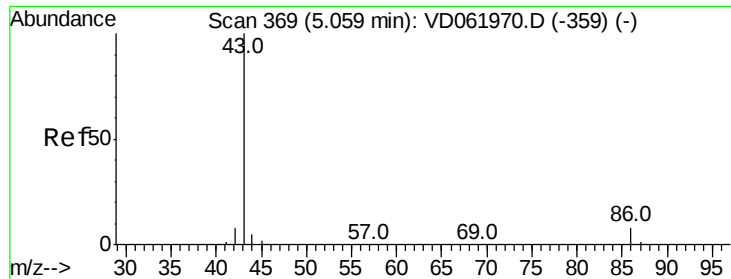
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

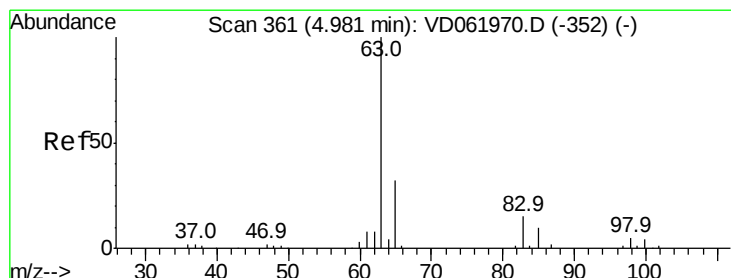
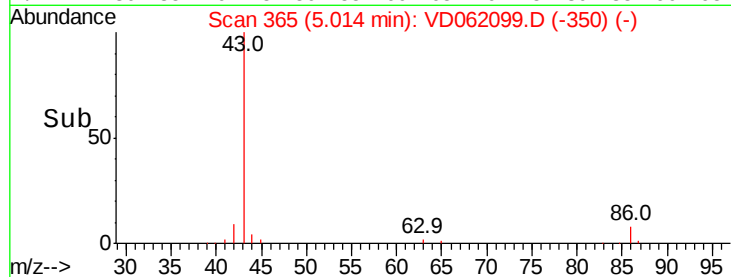
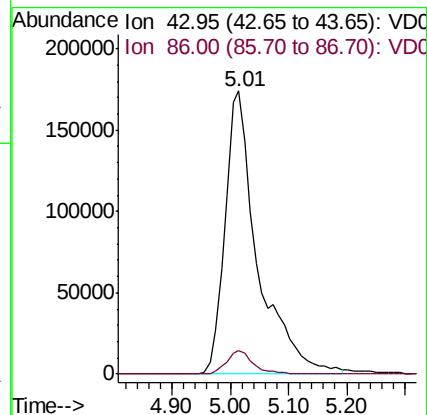
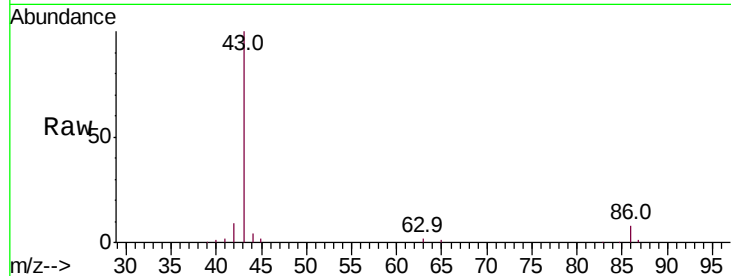
VD0501SBS01

Tot Ion: 43 Resp: 676933

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



#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

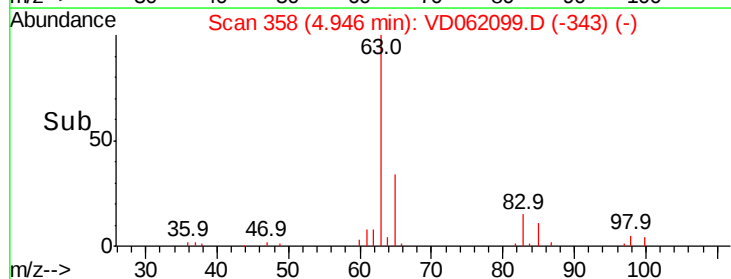
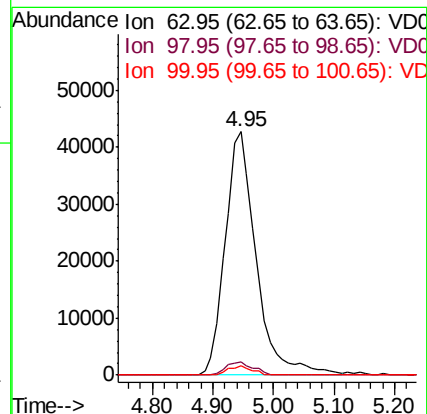
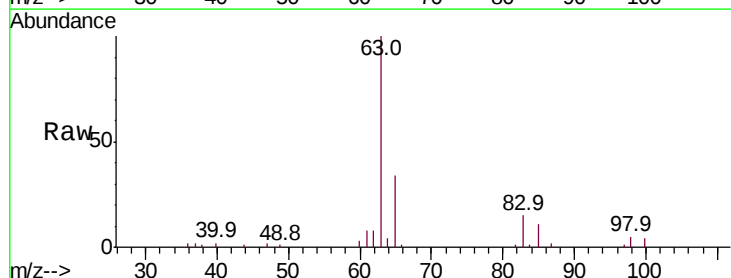
Tgt Ion: 63 Resp: 151550

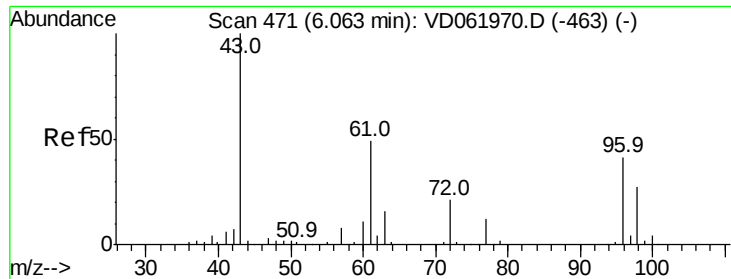
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

100 3.7 1.8 5.5





#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 :

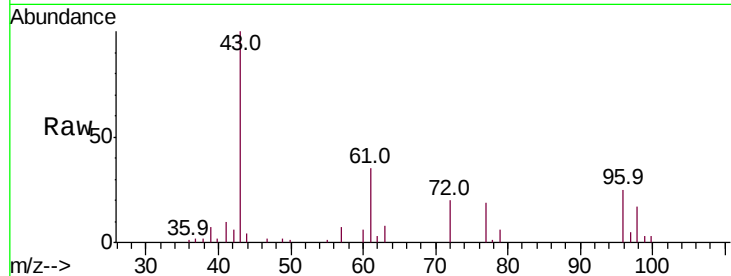
VD0501SBSD01

Tot Ion: 43 Resp: 102241

Ion Ratio Lower Upper

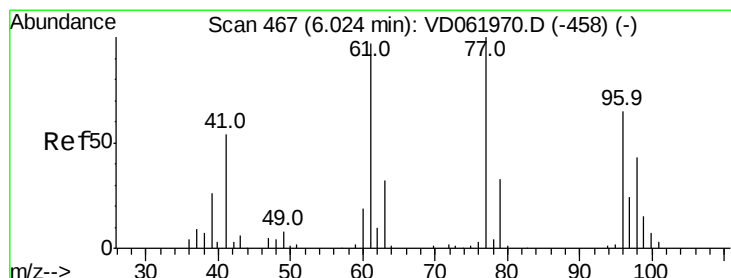
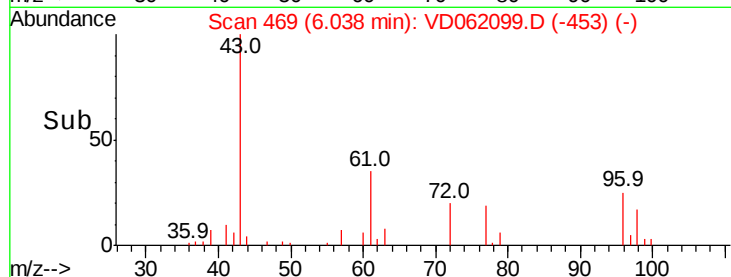
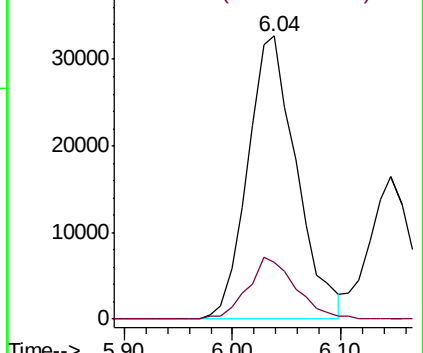
43 100

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

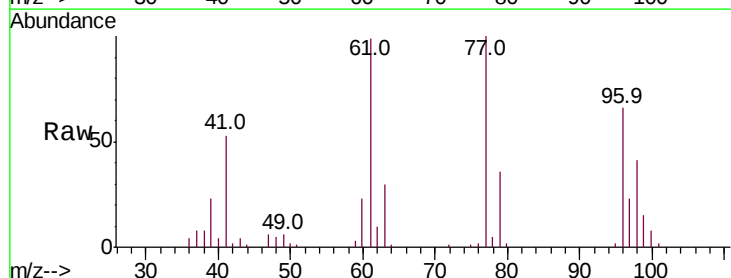
Acq: 1 May 2019 13:32

Tgt Ion: 77 Resp: 131053

Ion Ratio Lower Upper

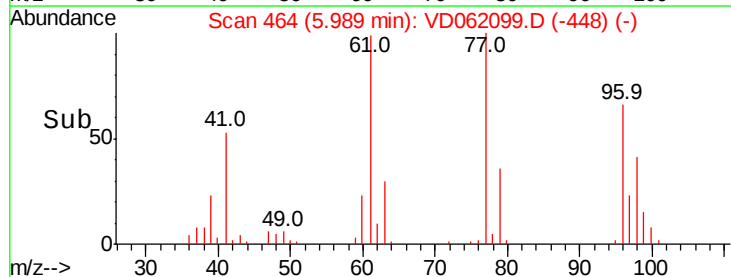
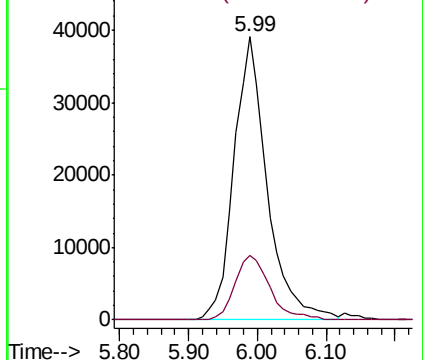
77 100

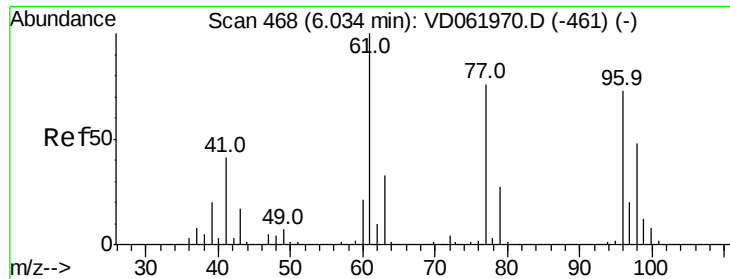
97 22.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



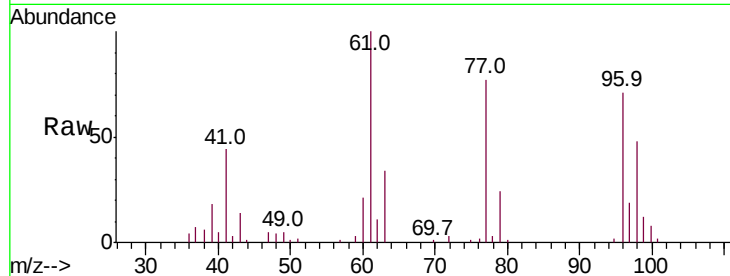


#27

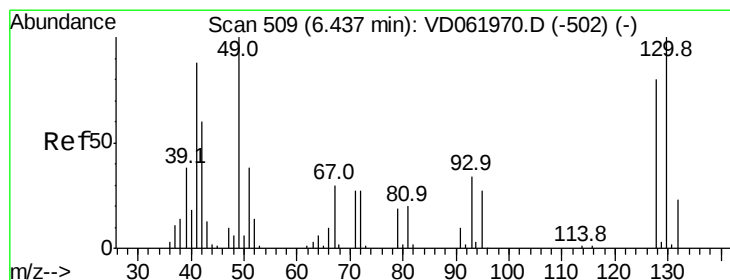
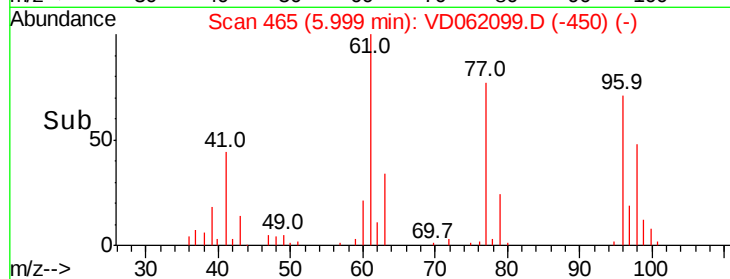
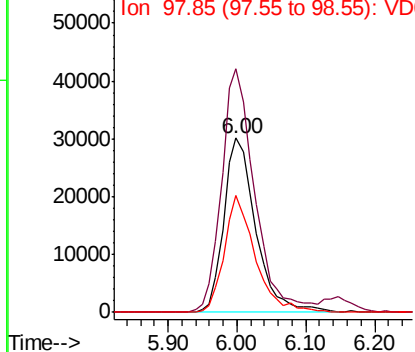
cis-1,2-Dichloroethene
 Concen: 17.726 ug/l
 RT: 6.00 min Scan# 465
 Delta R.T. -0.05 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

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



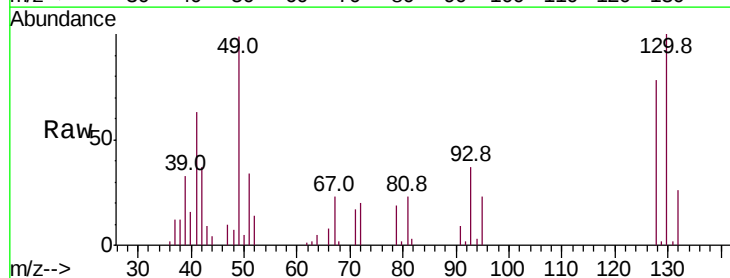
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



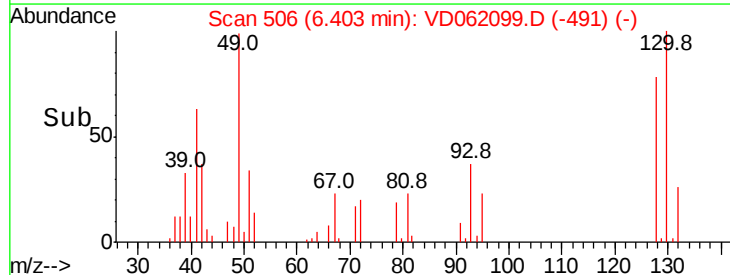
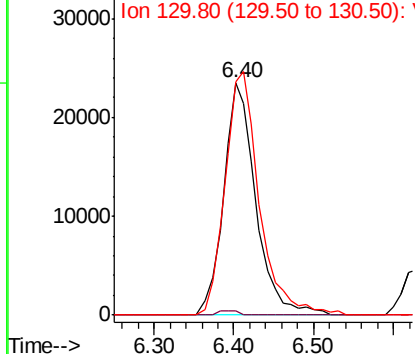
#28

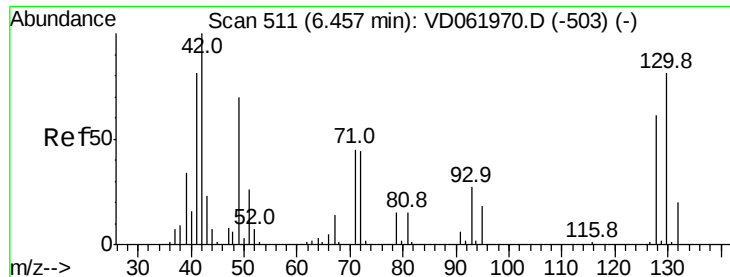
Bromochloromethane
 Concen: 21.376 ug/l
 RT: 6.40 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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 :

VD0501SBS01

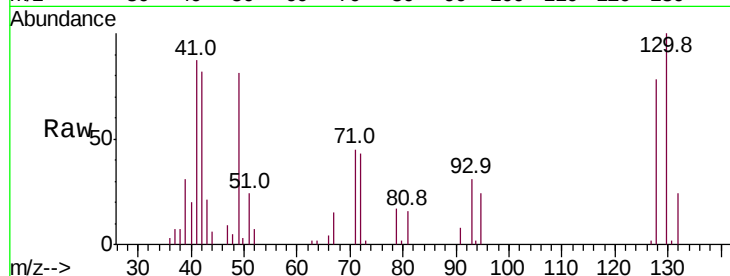
Tot Ion: 42 Resp: 50757

Ion Ratio Lower Upper

42 100

72 49.5 37.8 56.6

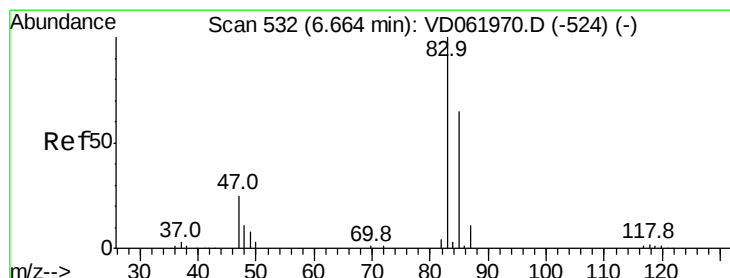
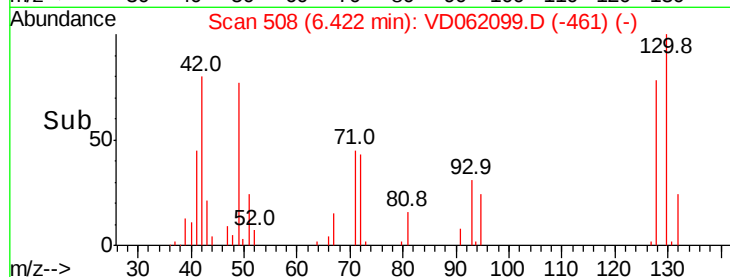
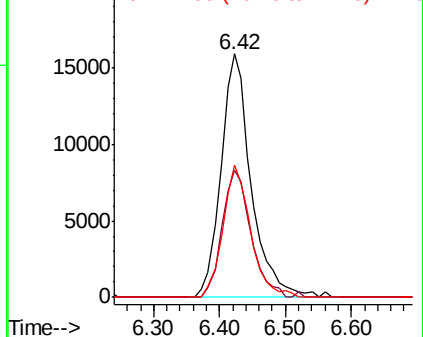
71 49.8 36.7 55.1



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

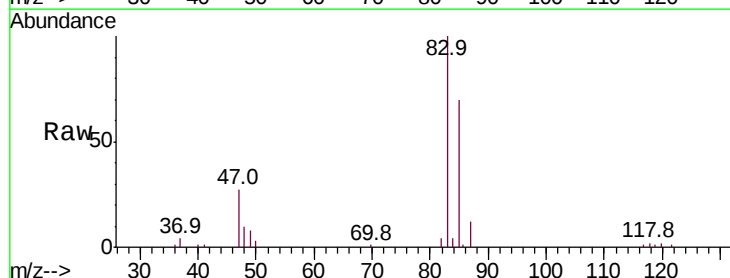
Acq: 1 May 2019 13:32

Tgt Ion: 83 Resp: 174616

Ion Ratio Lower Upper

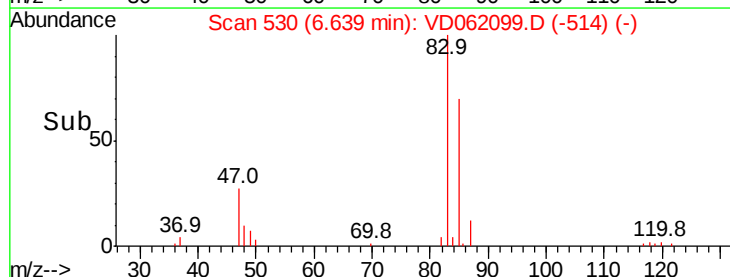
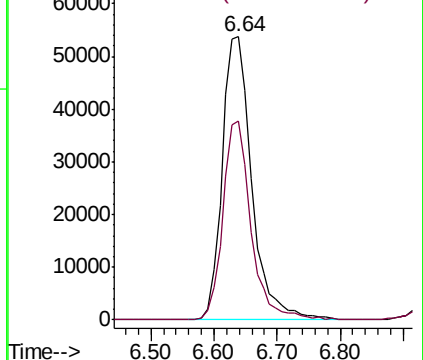
83 100

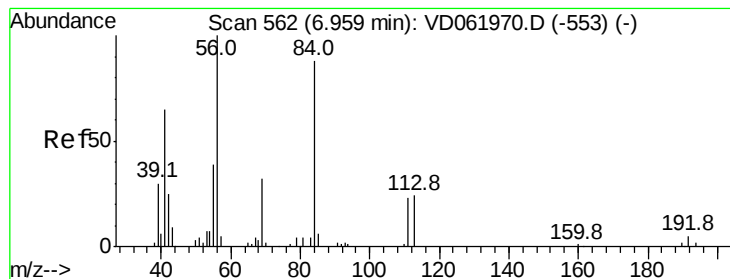
85 70.3 51.7 77.5



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 :

VD0501SBS01

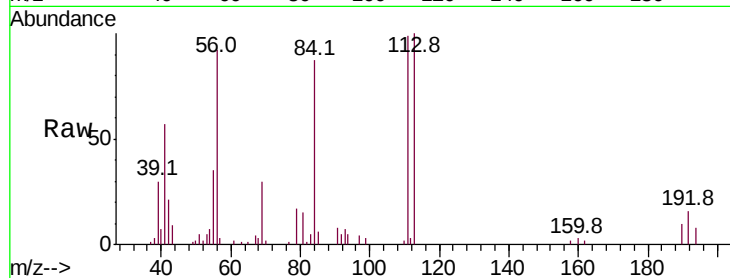
Tot Ion: 56 Resp: 109240

Ion Ratio Lower Upper

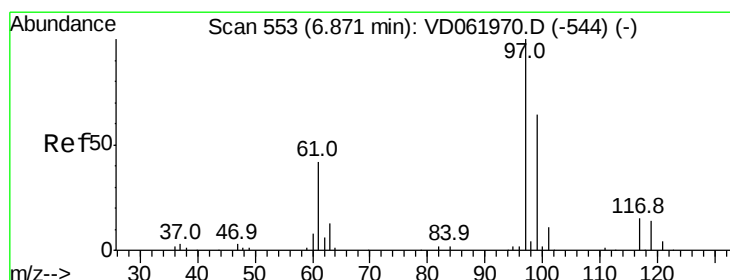
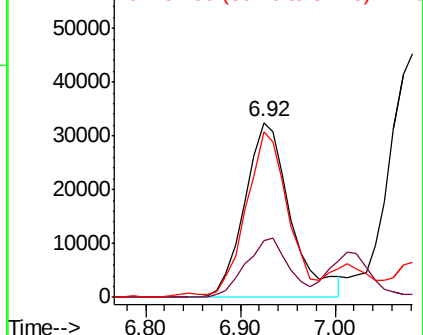
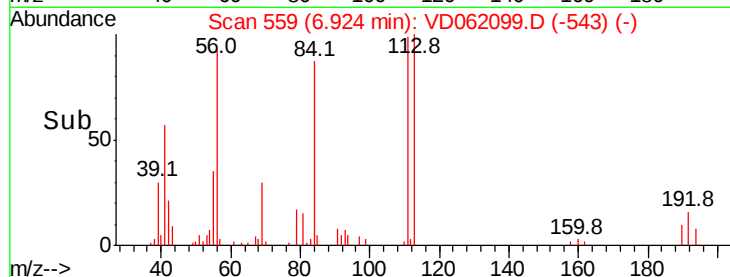
56 100

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

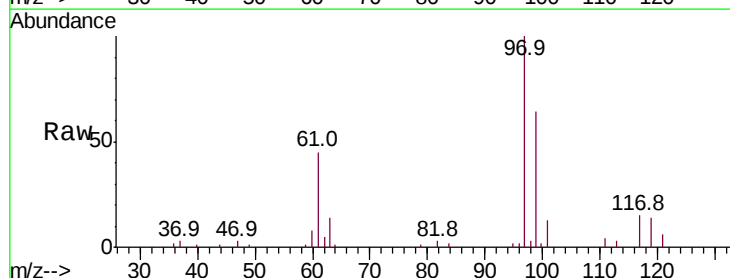
Tgt Ion: 97 Resp: 153324

Ion Ratio Lower Upper

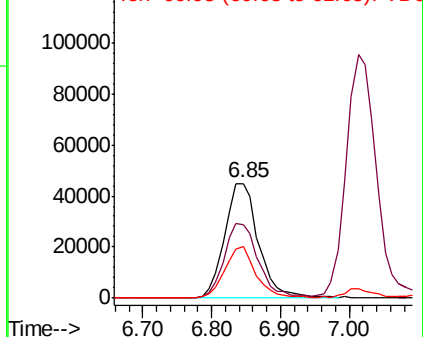
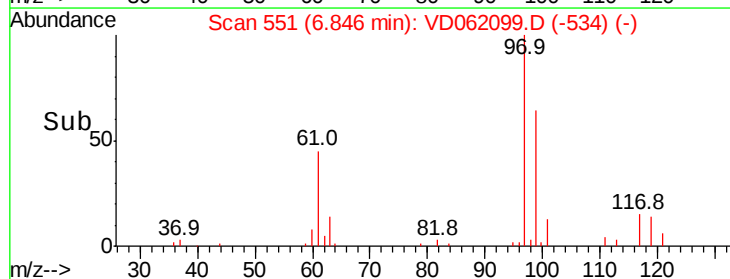
97 100

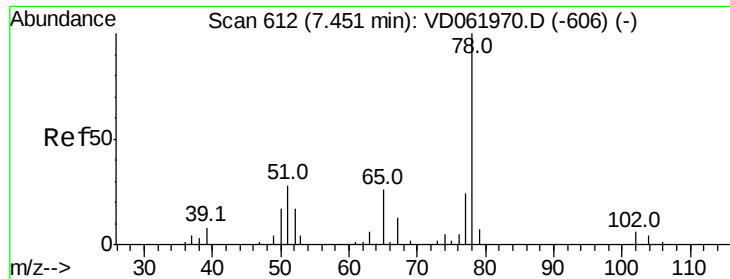
99 64.1 52.2 78.2

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 :

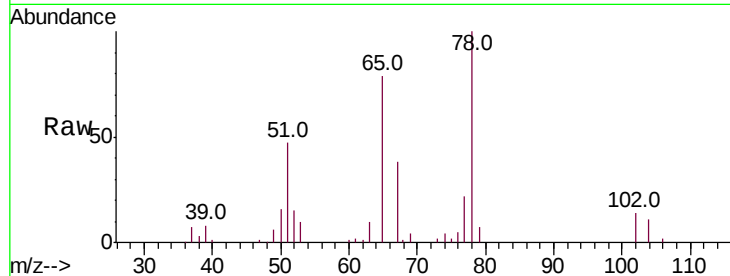
VD0501SBSD01

Tot Ion: 65 Resp: 208559

Ion Ratio Lower Upper

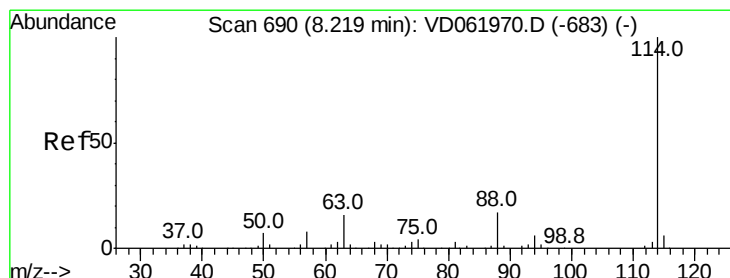
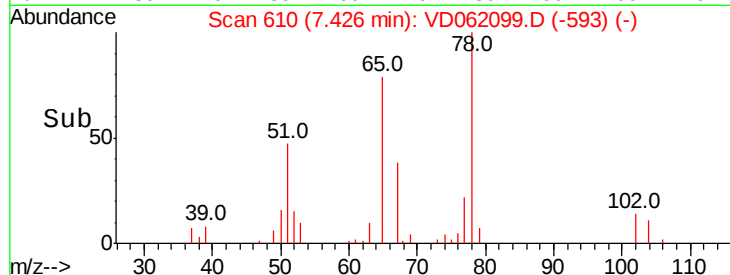
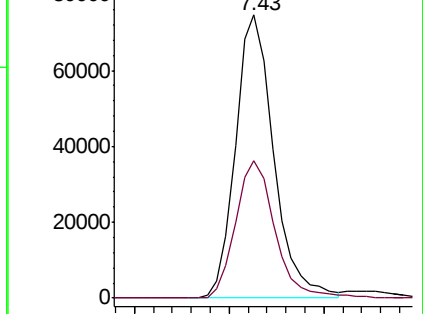
65 100

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

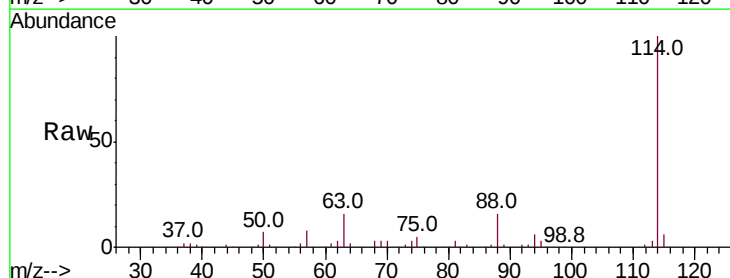
Tgt Ion:114 Resp: 769139

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

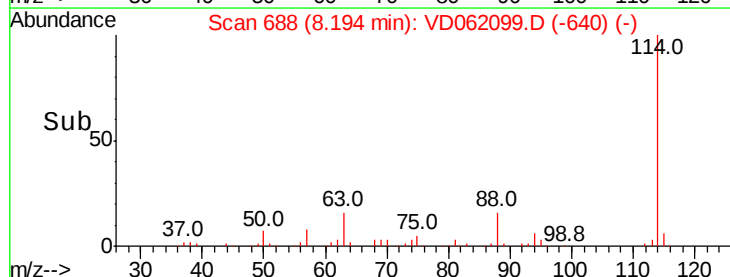
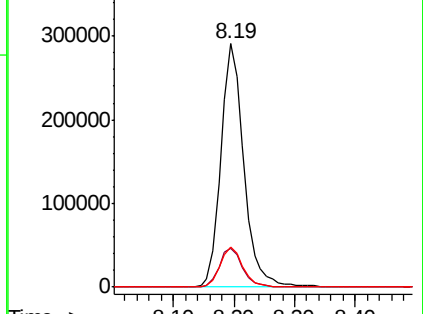
88 16.3 0.0 33.6

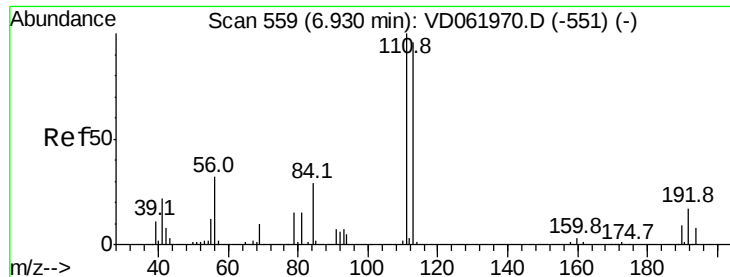


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

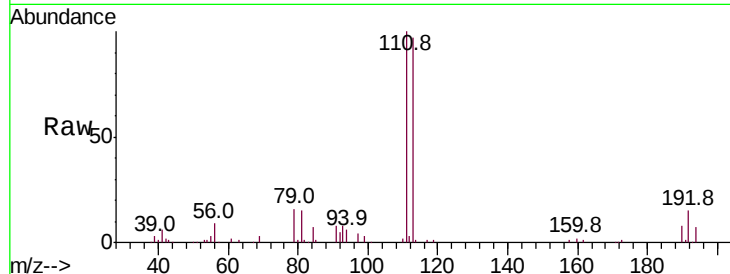




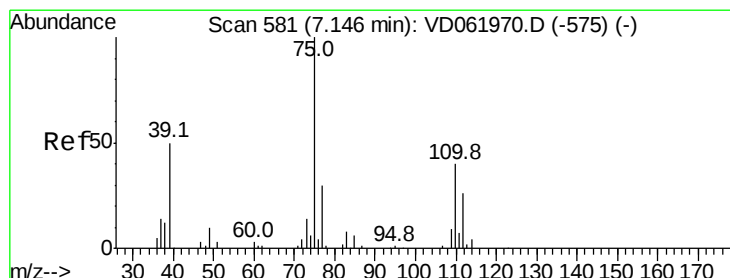
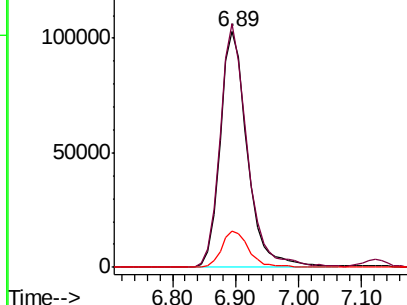
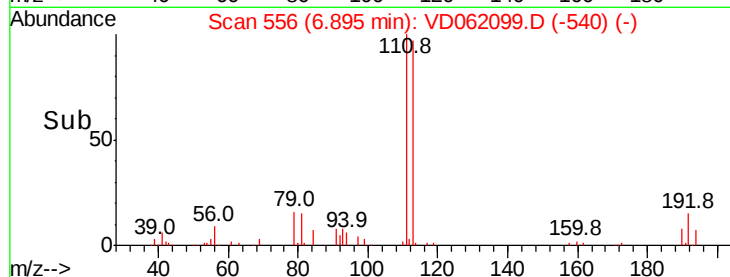
#35
 Dibromofluoromethane
 Concen: 57.925 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.04 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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

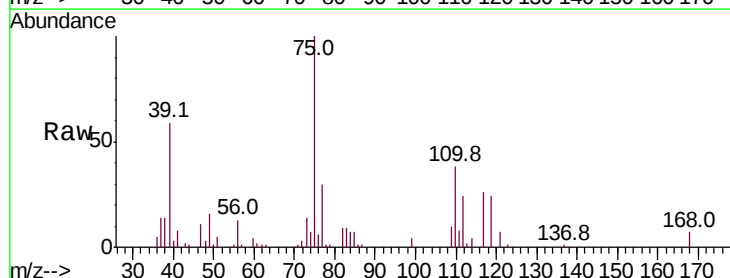


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

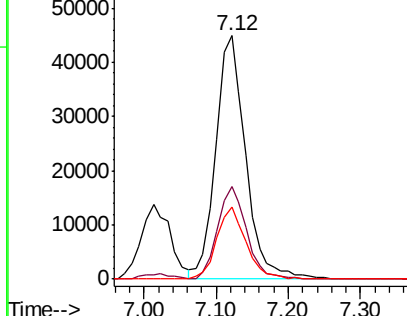
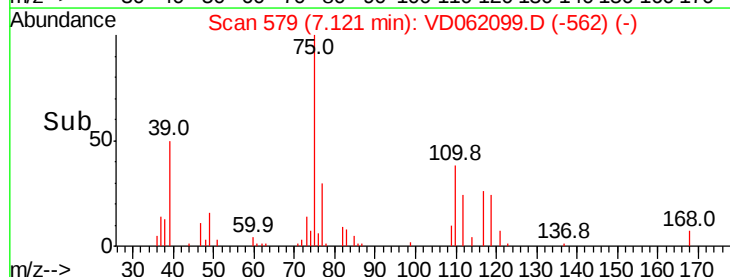


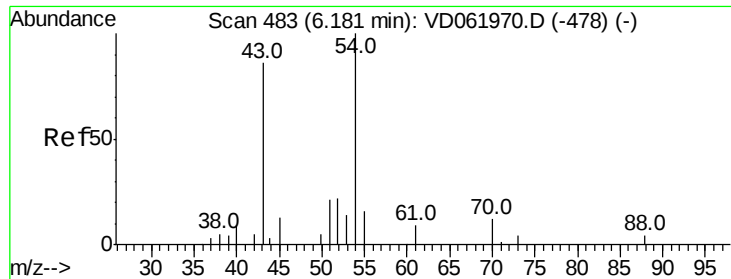
#36
 1,1-Dichloropropene
 Concen: 21.408 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

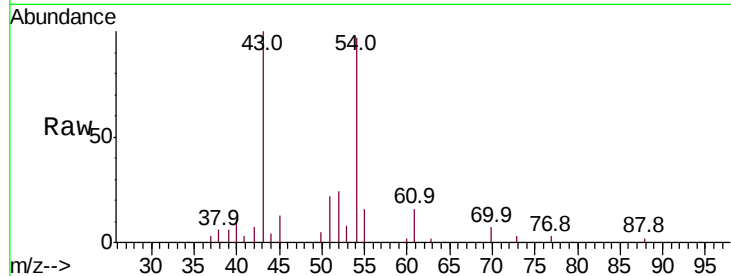




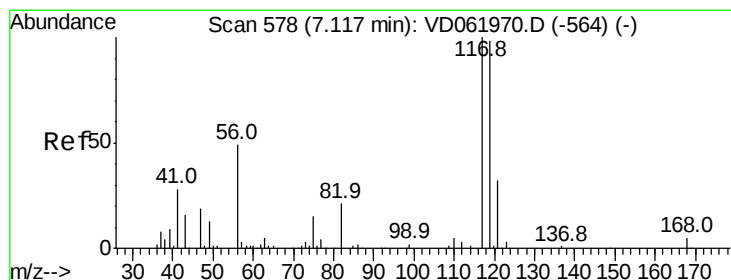
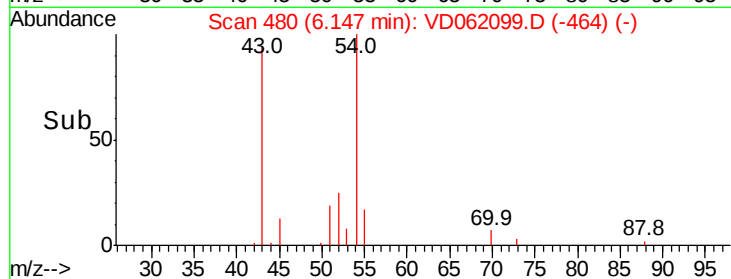
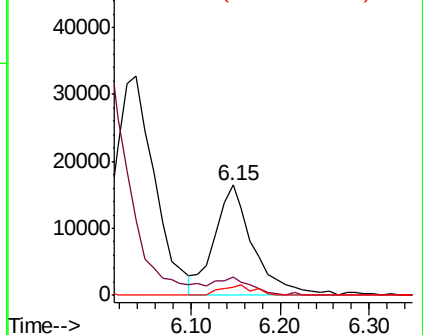
#37
Ethyl Acetate
Concen: 19.557 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

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#

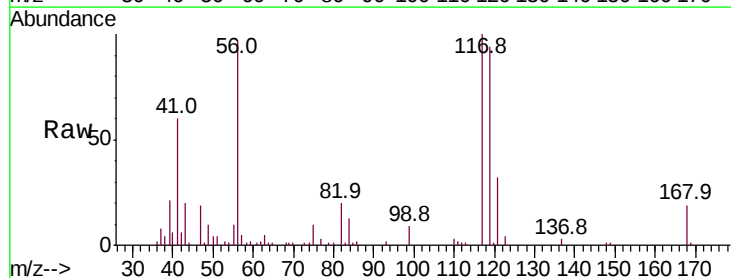


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

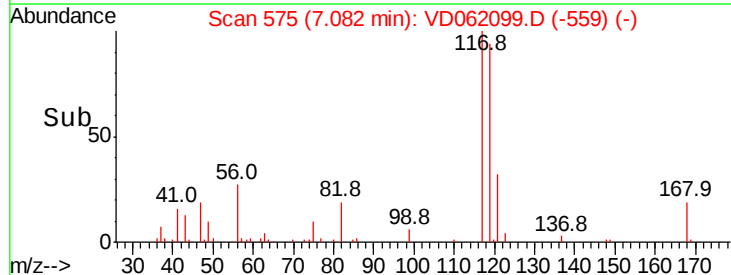
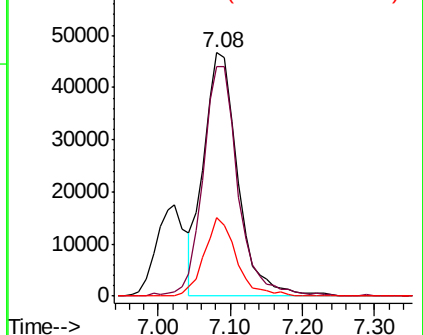


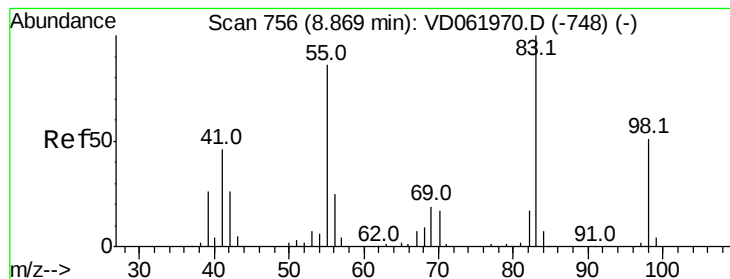
#38
Carbon Tetrachloride
Concen: 20.132 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.04 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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

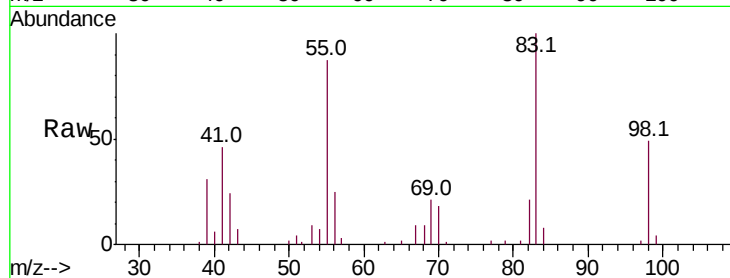
Tot Ion: 83 Resp: 109184

Ion Ratio Lower Upper

83 100

55 87.2 68.2 102.4

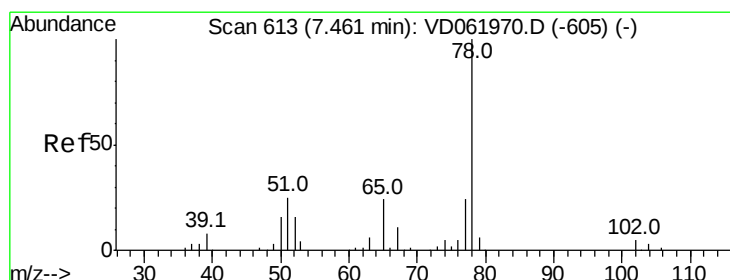
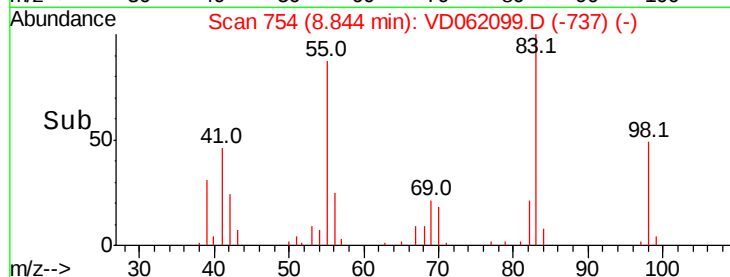
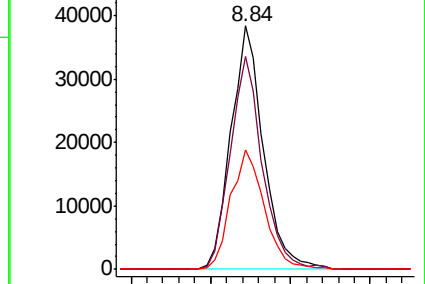
98 48.8 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 18.810 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.04 min

Lab File: VD062099.D

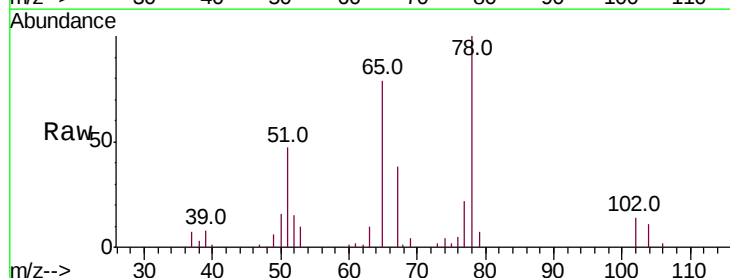
Acq: 1 May 2019 13:32

Tgt Ion: 78 Resp: 279057

Ion Ratio Lower Upper

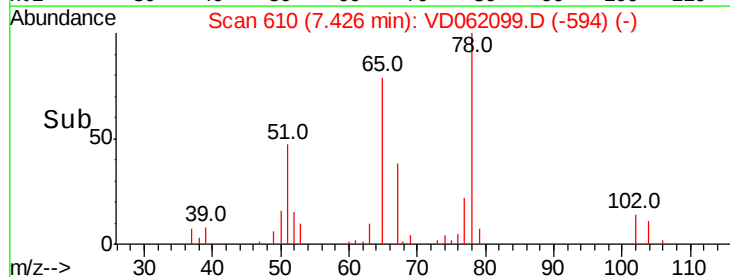
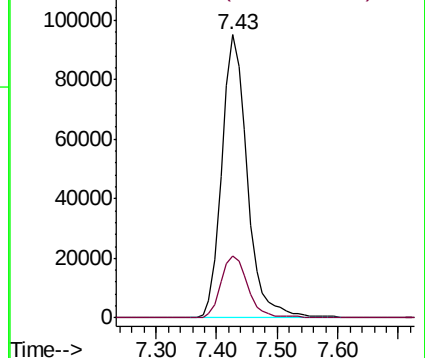
78 100

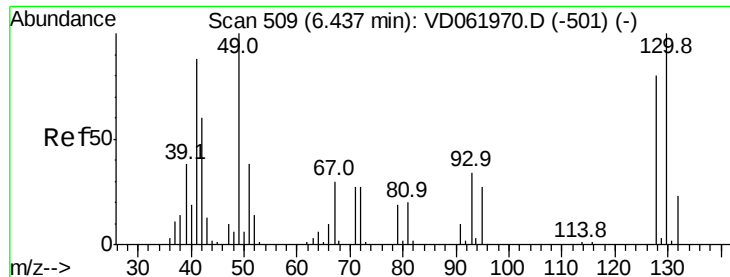
77 22.0 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#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

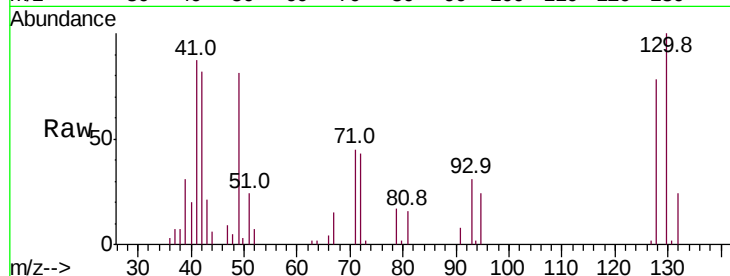
Ion Ratio Lower Upper

41 100

39 35.9 34.1 51.1

67 16.9 23.8 35.6#

52 8.5 8.8 13.2#

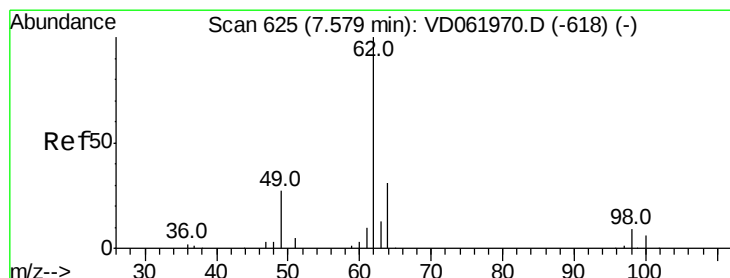
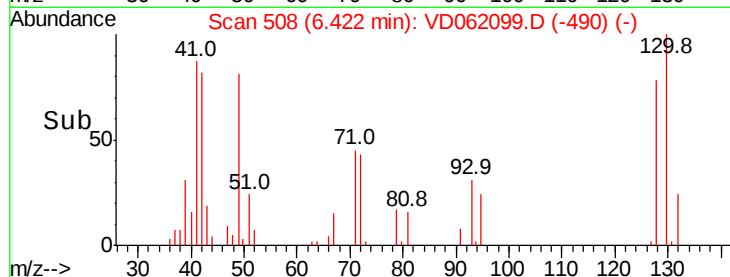
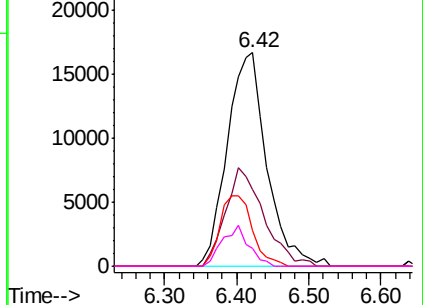


Abundance Ion 40.95 (40.65 to 41.65): VDC

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

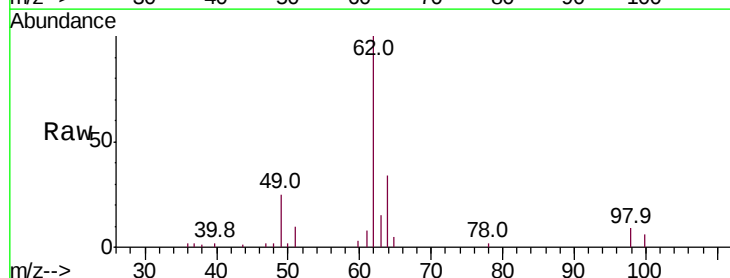
Acq: 1 May 2019 13:32

Tgt Ion: 62 Resp: 106528

Ion Ratio Lower Upper

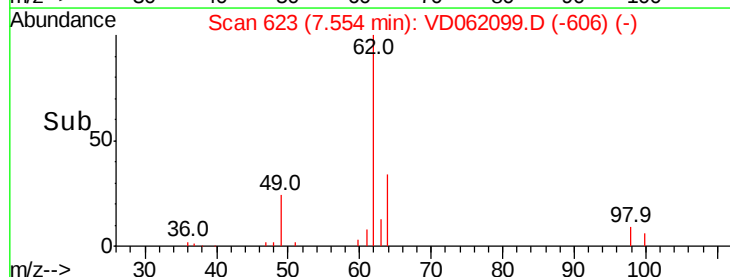
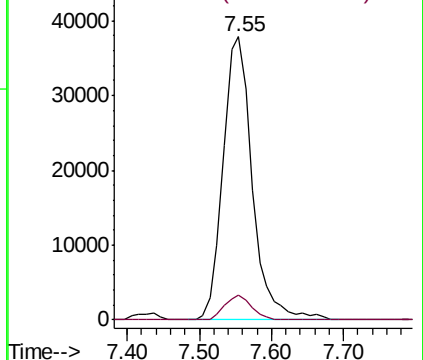
62 100

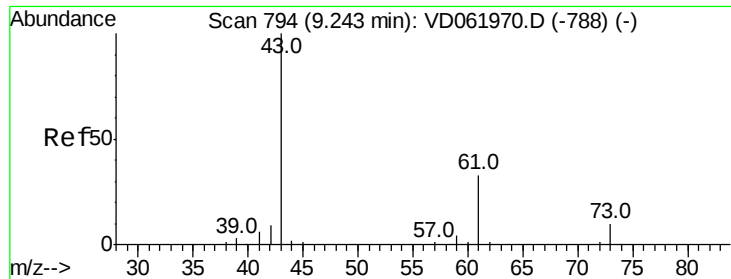
98 8.6 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



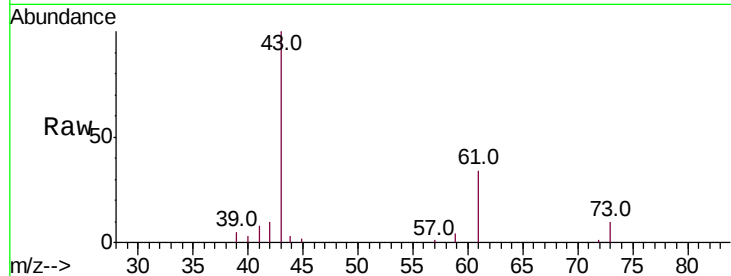


#43

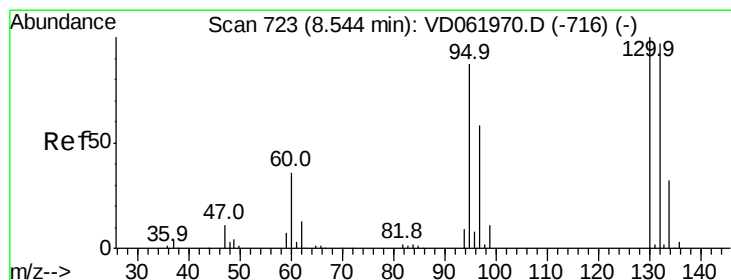
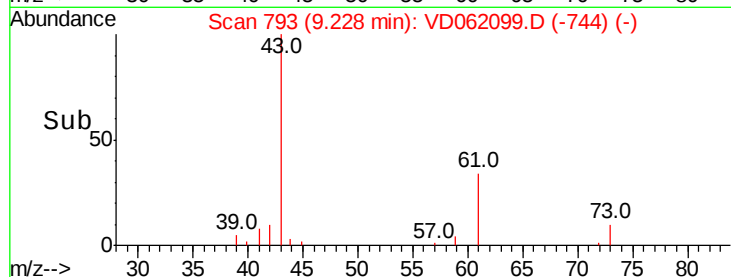
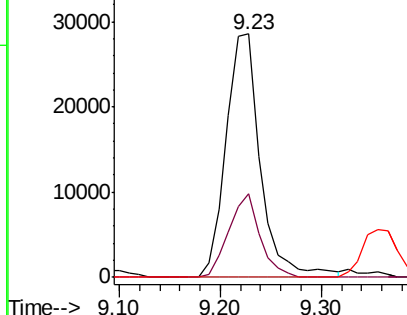
Isopropyl Acetate
 Concen: 18.152 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

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



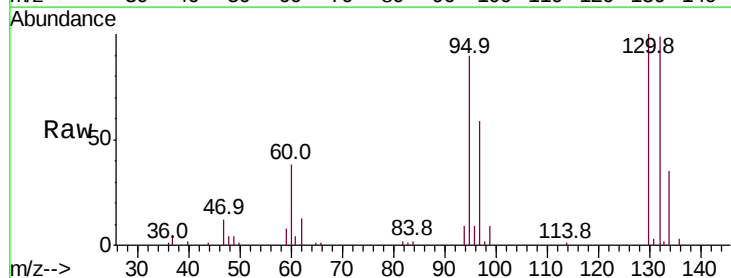
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



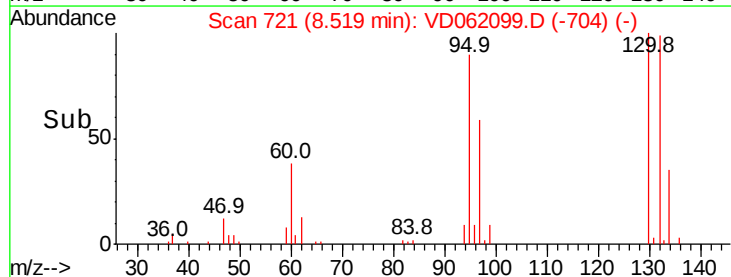
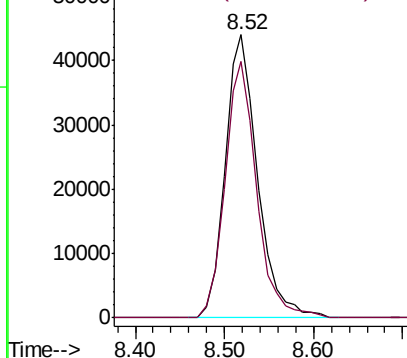
#44

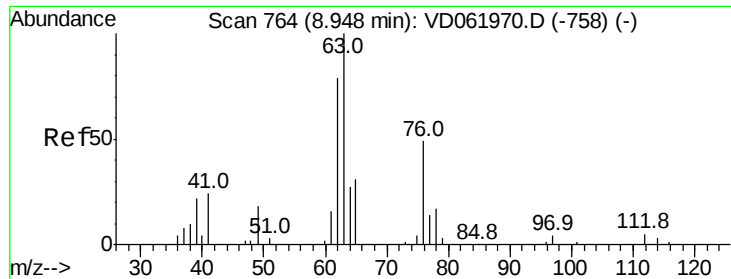
Trichloroethene
 Concen: 19.445 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.03 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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 :

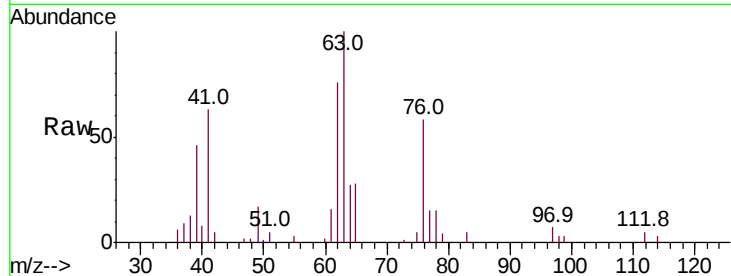
VD0501SBS01

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

8.91

25000

20000

15000

10000

5000

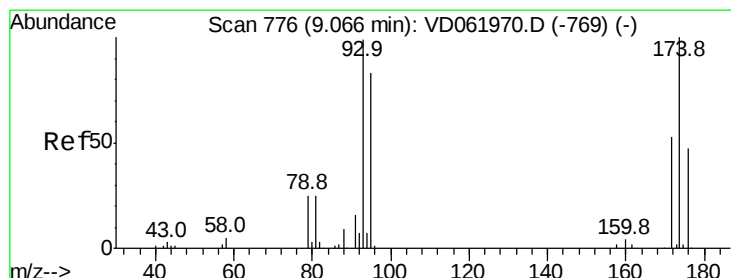
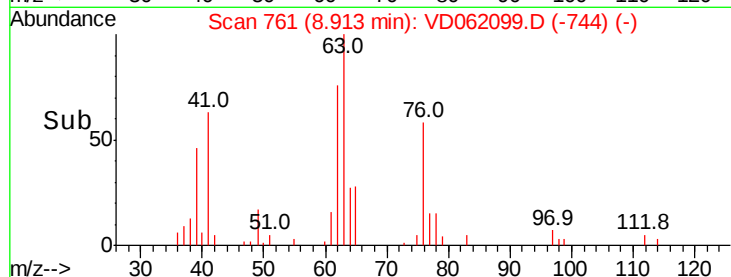
0

8.80

8.90

9.00

Time-->



#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

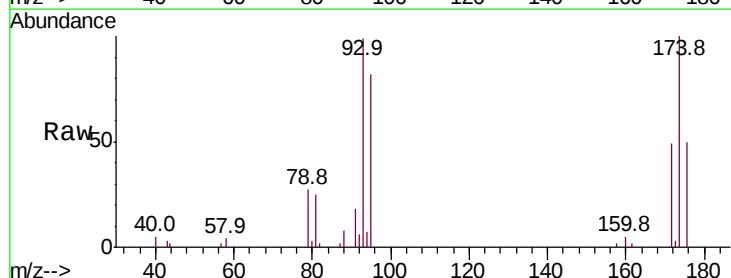
Tgt Ion: 93 Resp: 53406

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

9.04

30000

25000

20000

15000

10000

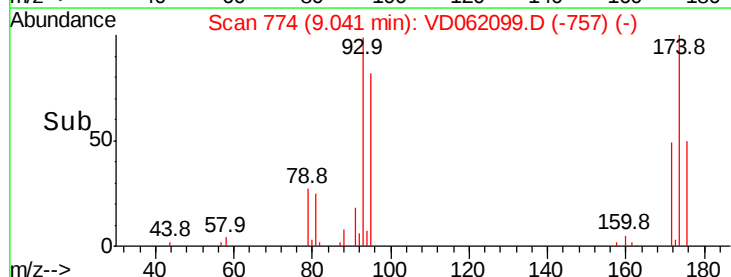
5000

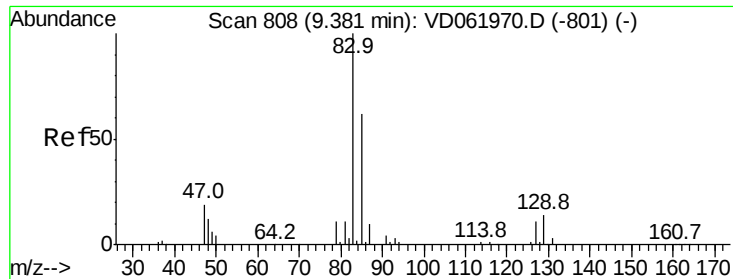
0

9.00

9.10

Time-->





#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

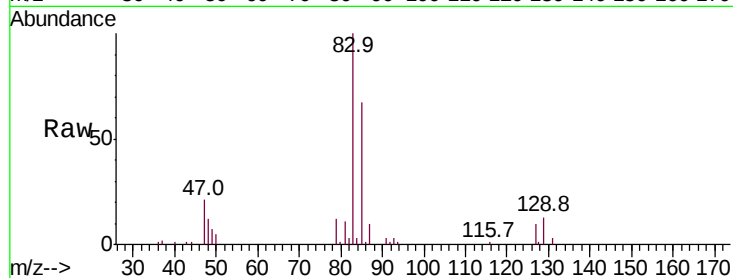
Tot Ion: 83 Resp: 133546

Ion Ratio Lower Upper

83 100

85 66.9 50.9 76.3

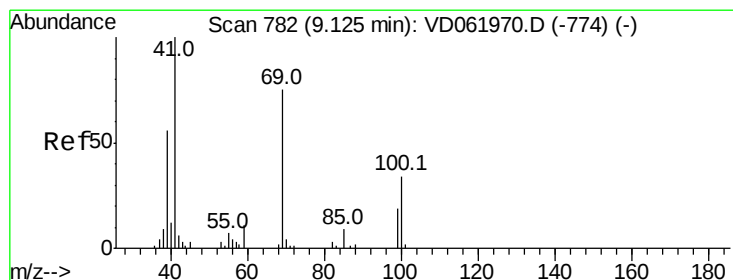
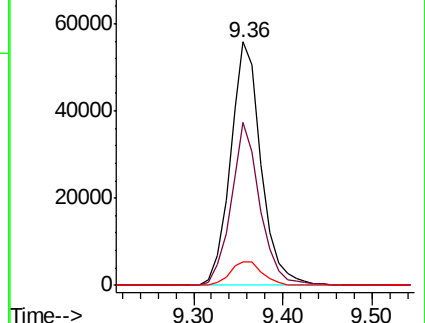
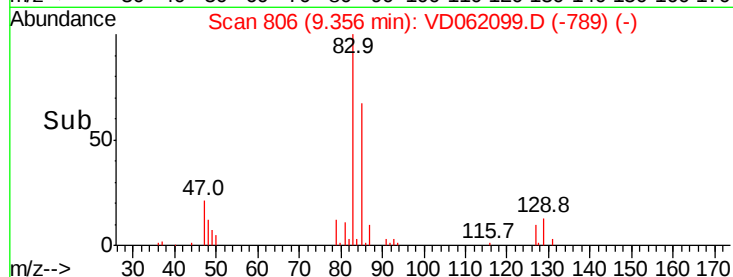
127 9.7 8.1 12.1



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

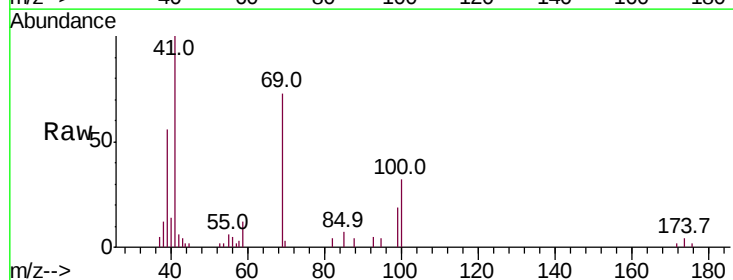
Tgt Ion: 41 Resp: 43468

Ion Ratio Lower Upper

41 100

69 72.9 64.2 96.2

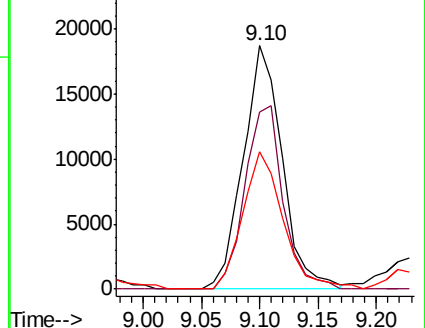
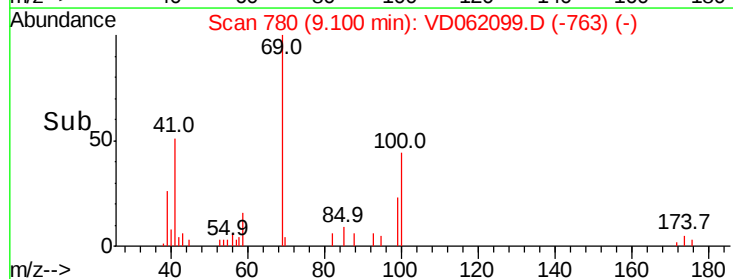
39 56.4 46.8 70.2

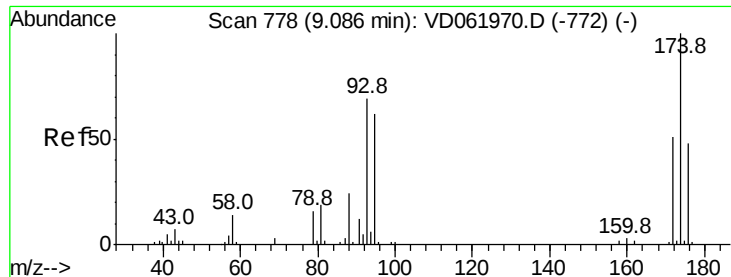


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

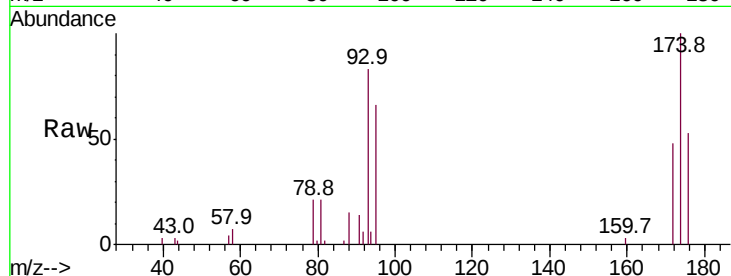




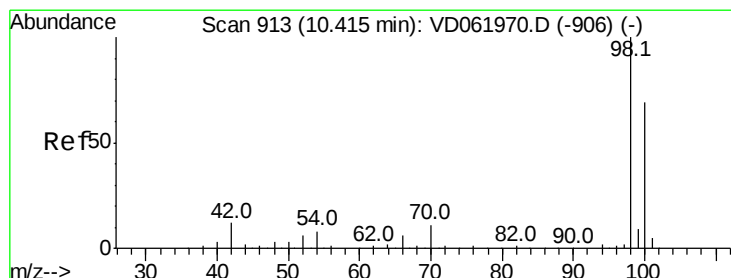
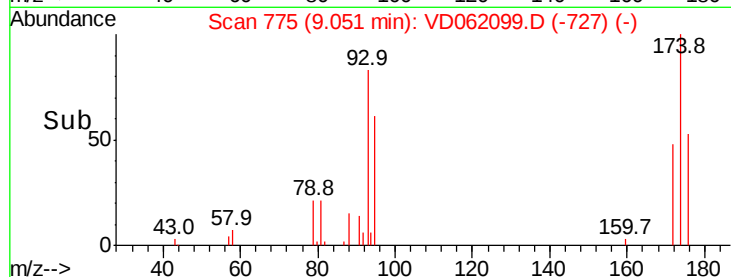
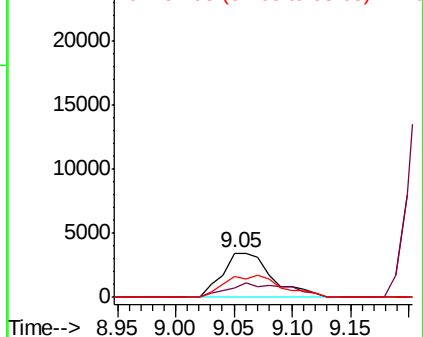
#49
1,4-Dioxane
Concen: 436.795 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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

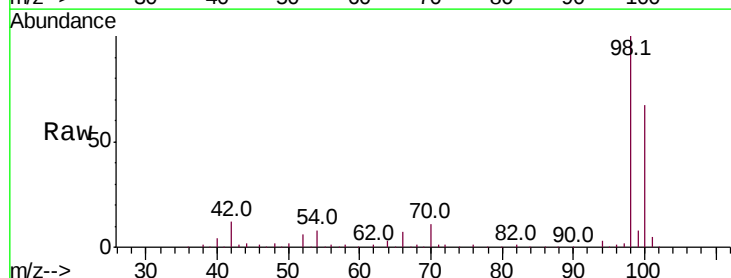


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

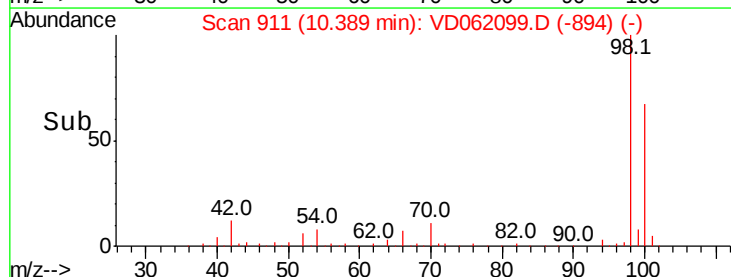
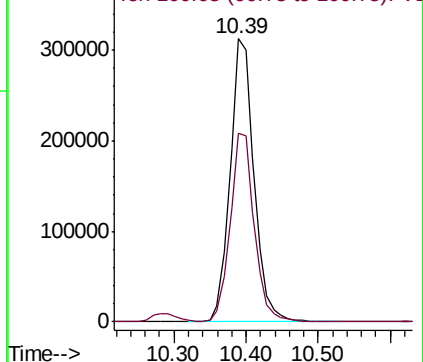


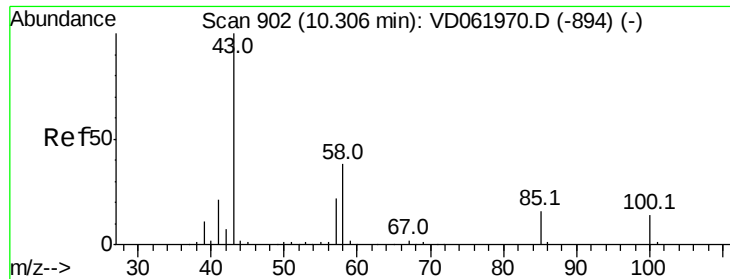
#50
Toluene-d8
Concen: 57.062 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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

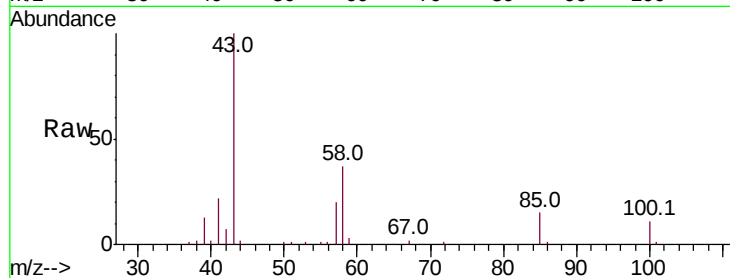




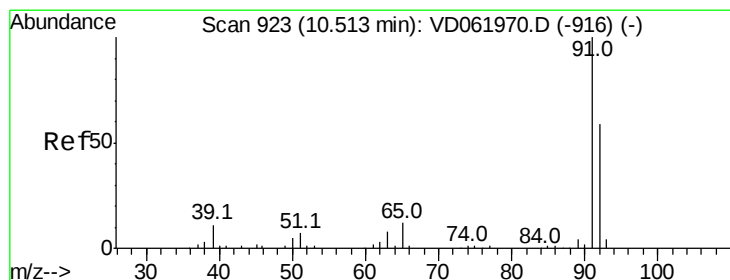
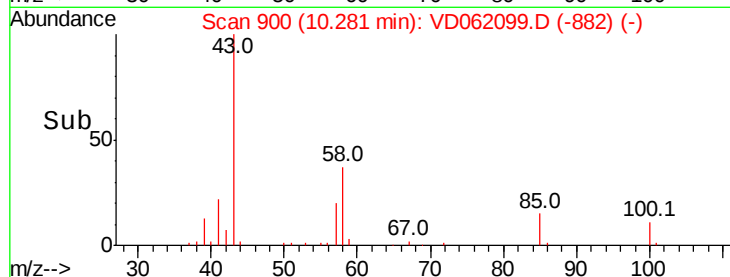
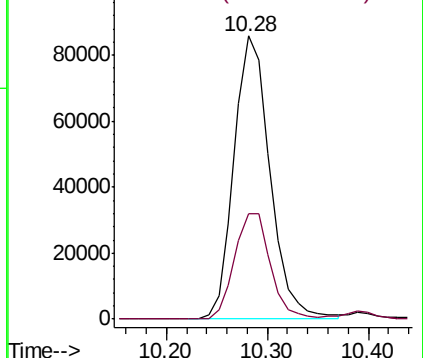
#51
4-Methyl-2-Pentanone
Concen: 93.660 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

Tot Ion: 43 Resp: 213714
Ion Ratio Lower Upper
43 100
58 37.2 30.4 45.6

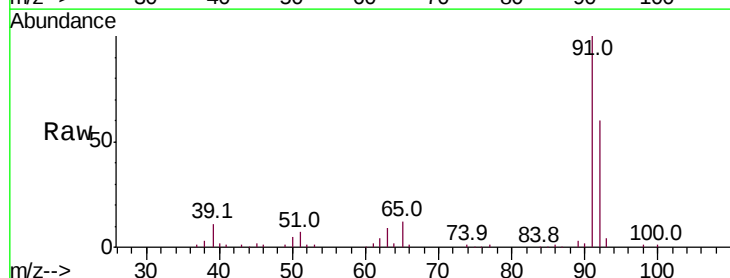


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

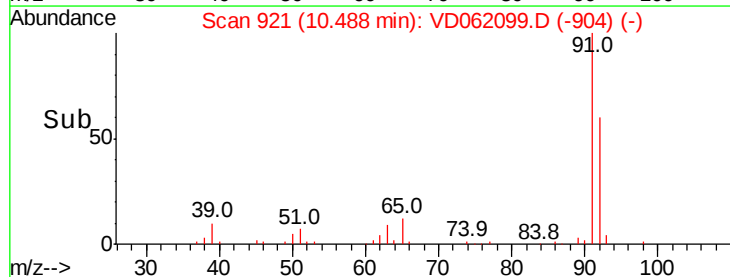
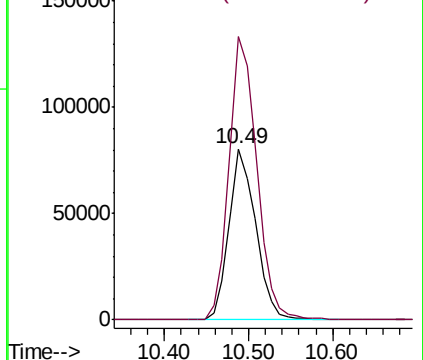


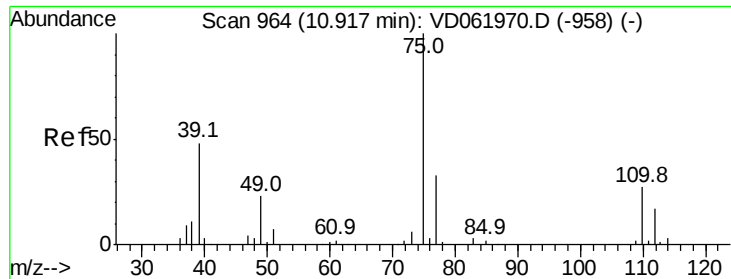
#52
Toluene
Concen: 18.998 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.03 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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

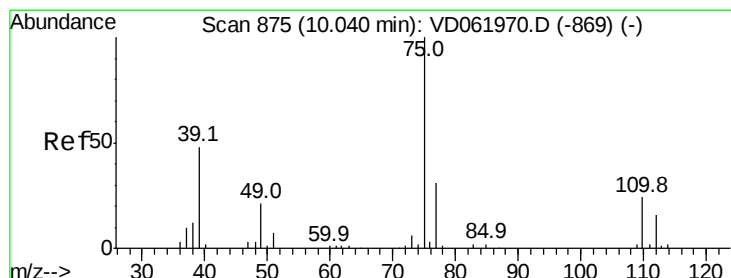
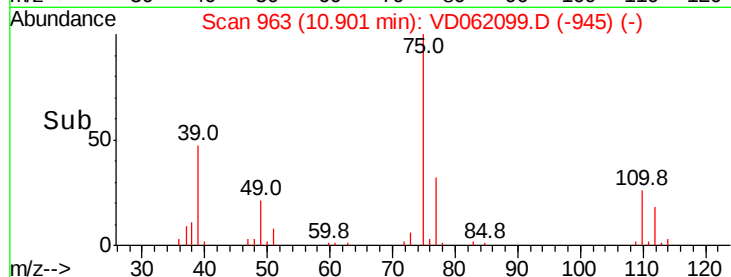
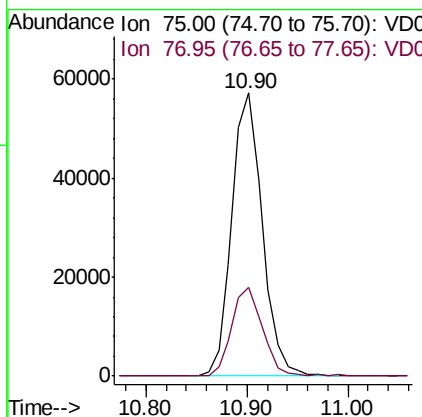
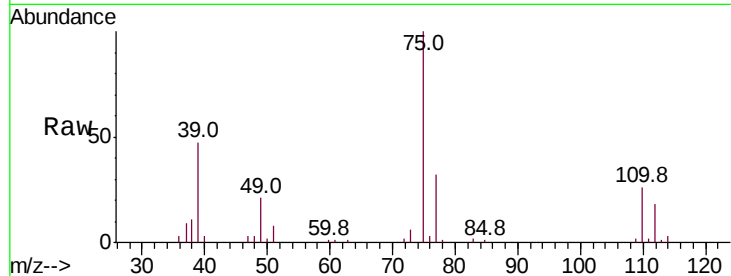




#53
t-1,3-Dichloropropene
Concen: 22.348 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.02 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

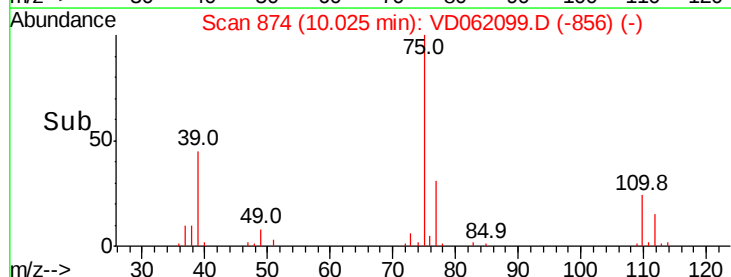
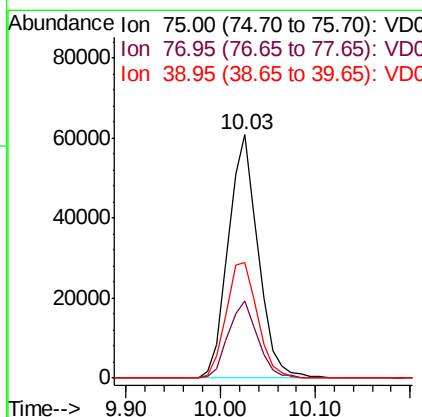
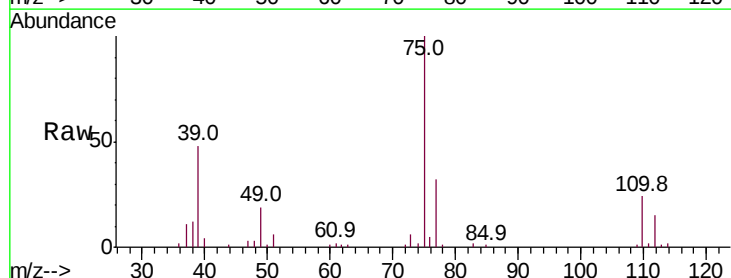
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

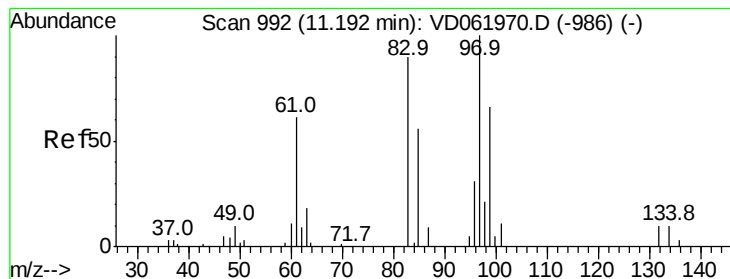
Tot Ion: 75 Resp: 120032
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8



#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





#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

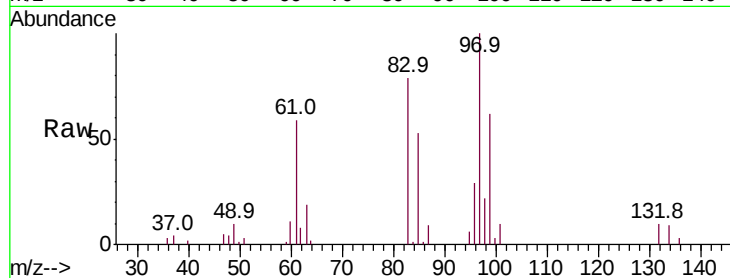
Ion Ratio Lower Upper

97 100

83 79.4 65.7 98.5

85 53.1 45.6 68.4

99 61.5 48.4 72.6

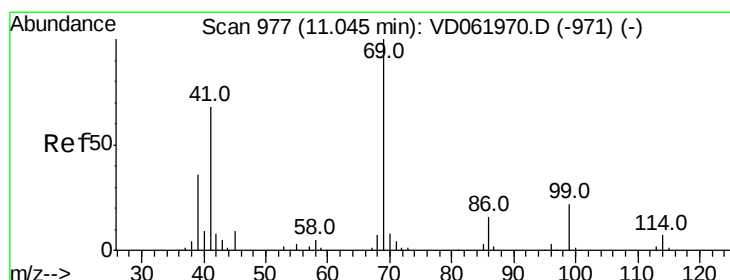
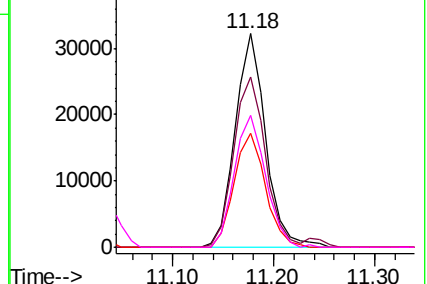
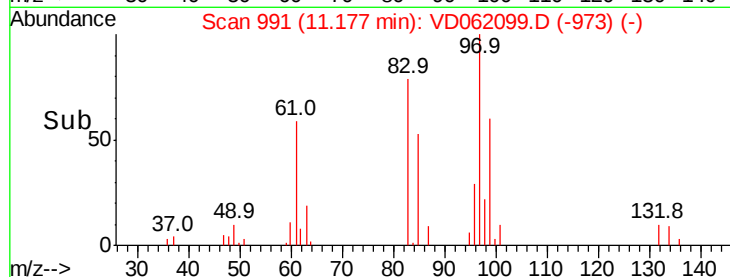


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

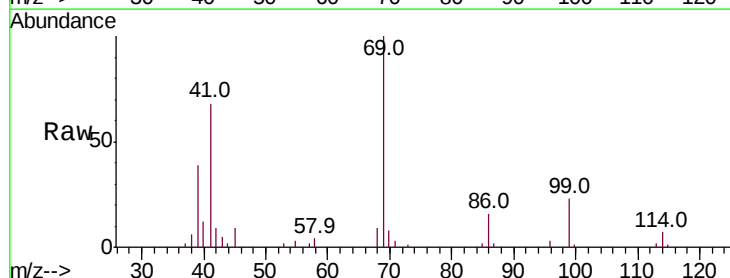
Tgt Ion: 69 Resp: 67353

Ion Ratio Lower Upper

69 100

41 68.4 56.3 84.5

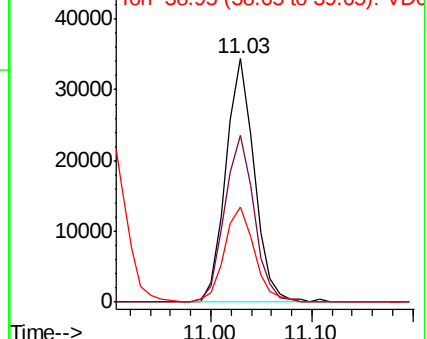
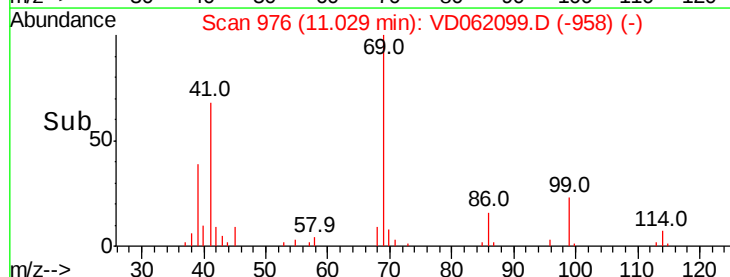
39 38.9 29.4 44.2

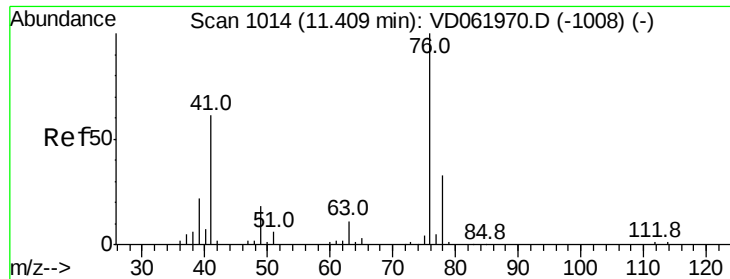


Abundance Ion 69.00 (68.70 to 69.70): VDC

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

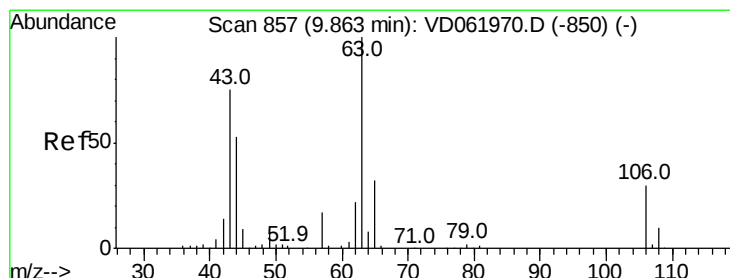
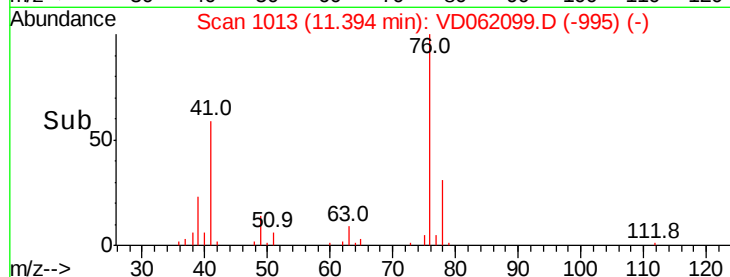
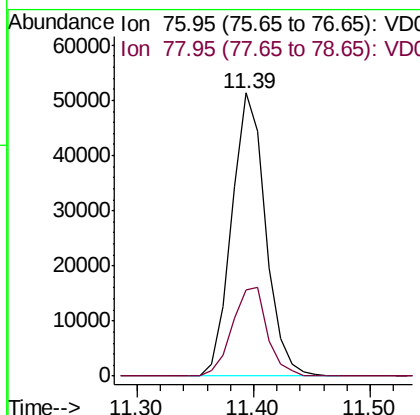
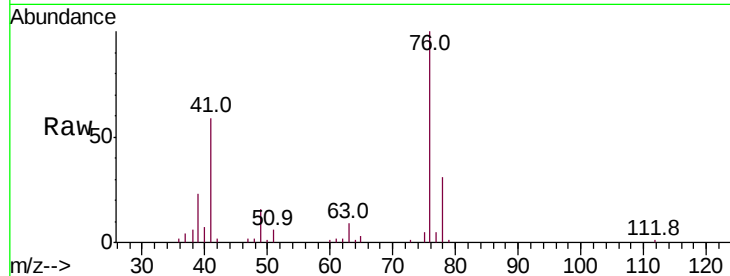
Lab File: VD062099.D

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



#58

2-Chloroethyl Vinyl ether

Concen: 125.019 ug/l

RT: 9.84 min Scan# 855

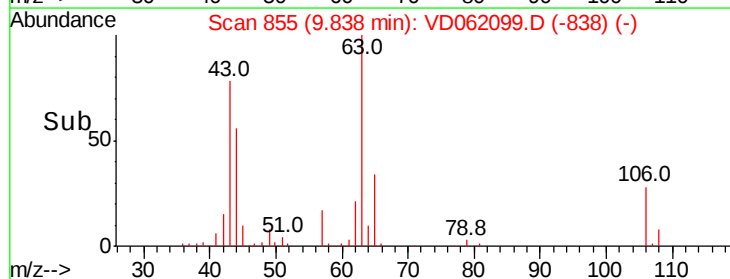
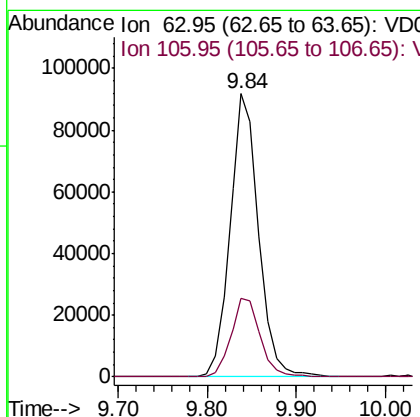
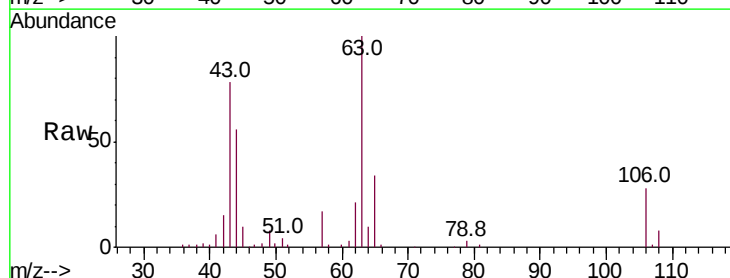
Delta R.T. -0.03 min

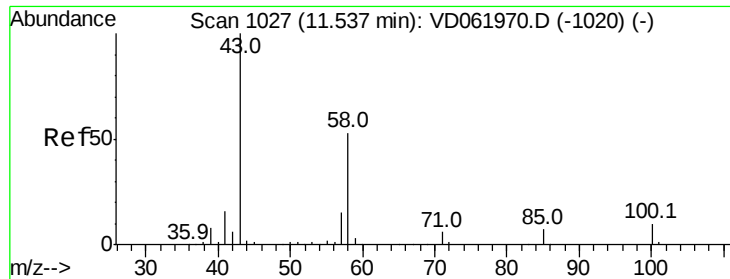
Lab File: VD062099.D

Acq: 1 May 2019 13:32

Tgt Ion: 63 Resp: 204433

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.6	34.0

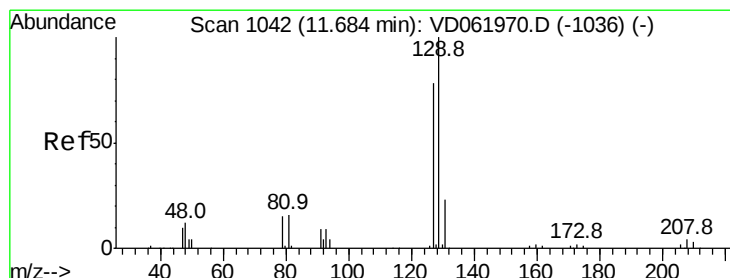
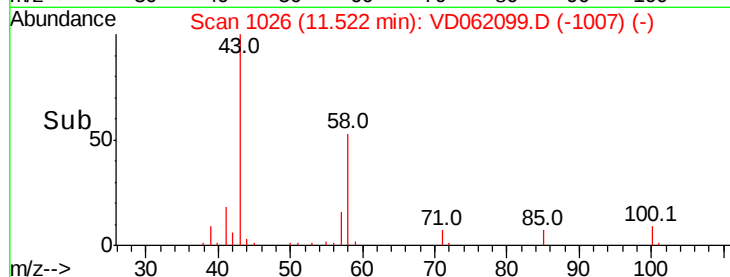
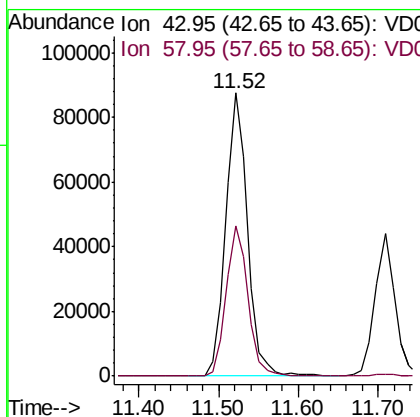
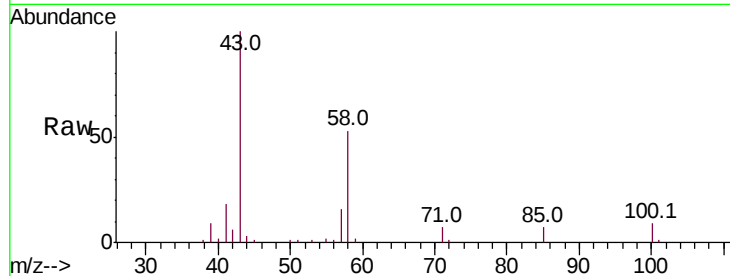




#59
2-Hexanone
Concen: 98.493 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

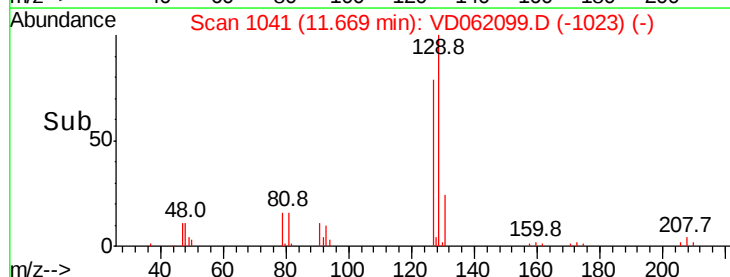
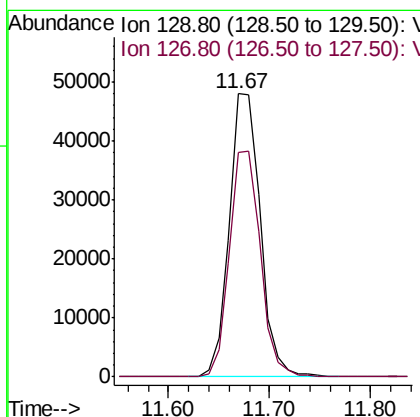
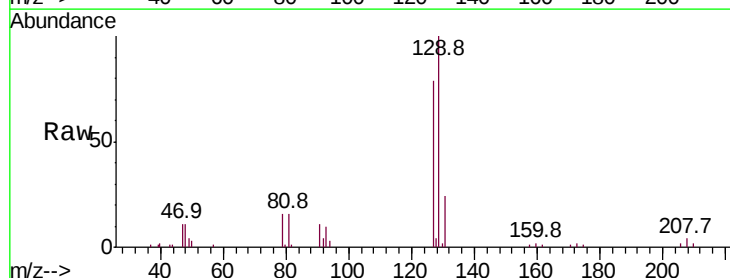
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

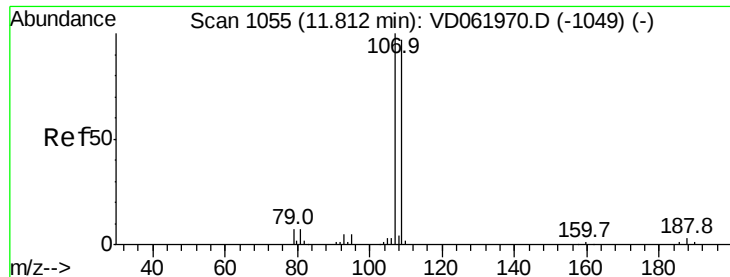
Tot Ion: 43 Resp: 168589
Ion Ratio Lower Upper
43 100
58 52.9 25.4 76.4



#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 :

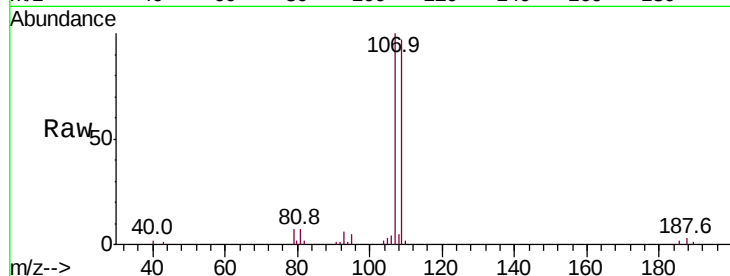
VD0501SBSD01

Tot Ion:107 Resp: 78197

Ion Ratio Lower Upper

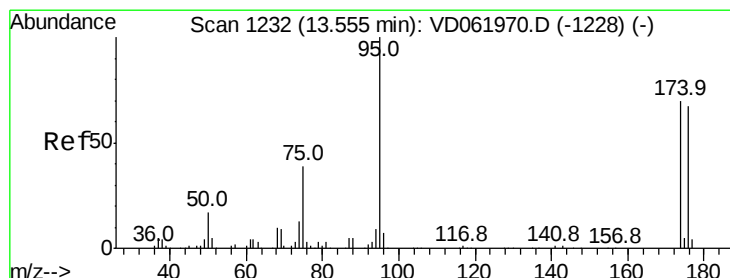
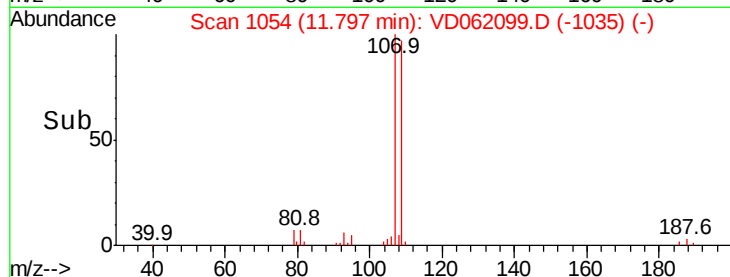
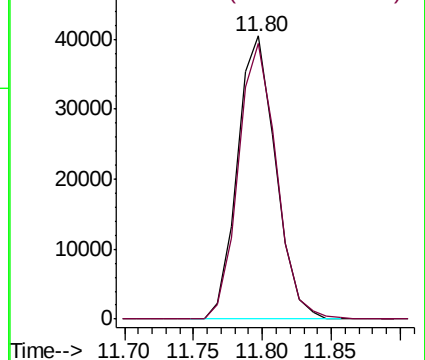
107 100

109 97.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#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

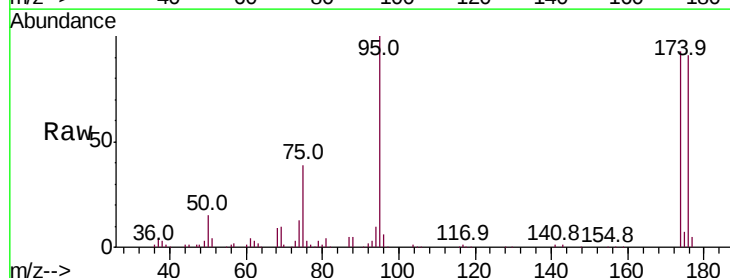
Tgt Ion: 95 Resp: 257616

Ion Ratio Lower Upper

95 100

174 92.5 0.0 181.8

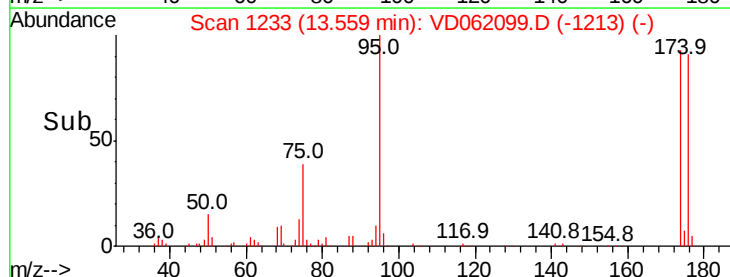
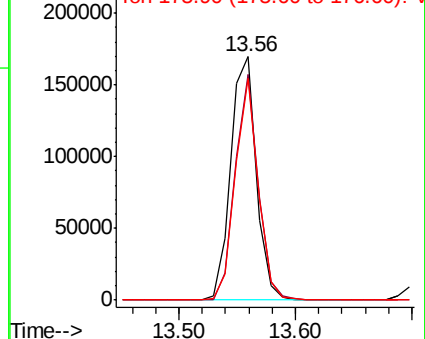
176 91.2 0.0 174.4

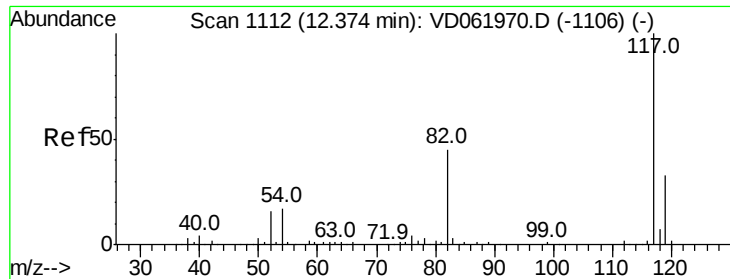


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

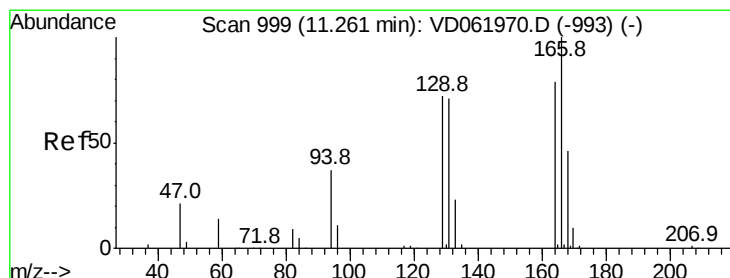
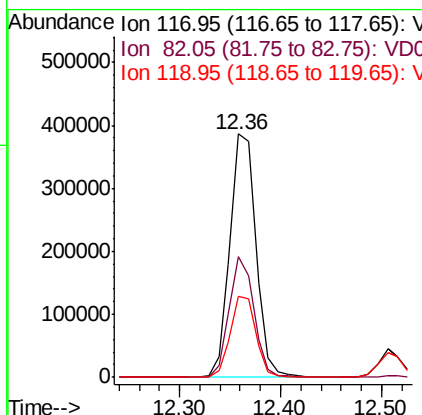
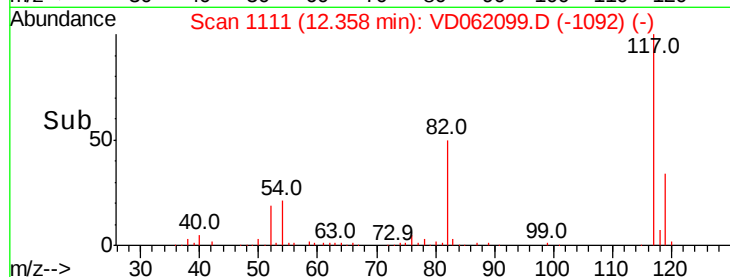
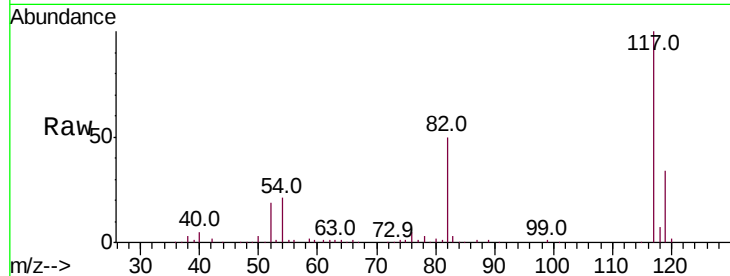




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

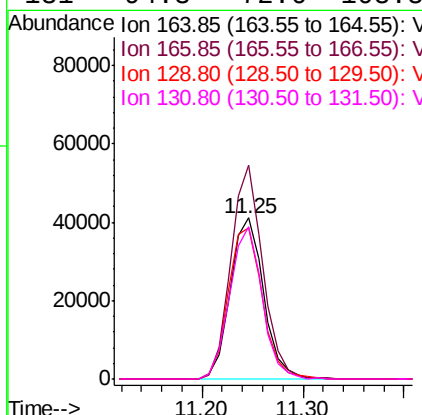
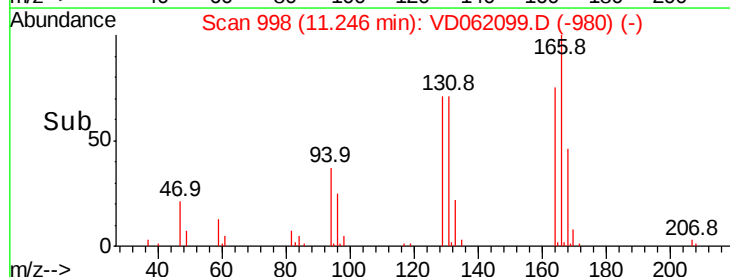
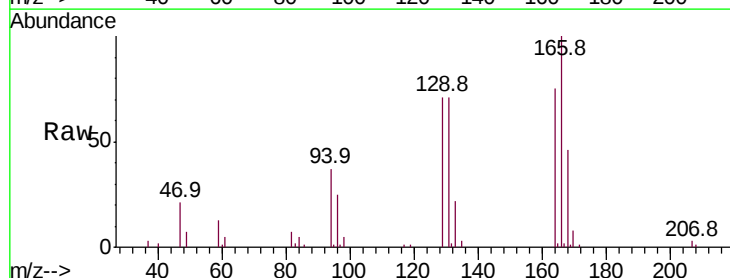
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

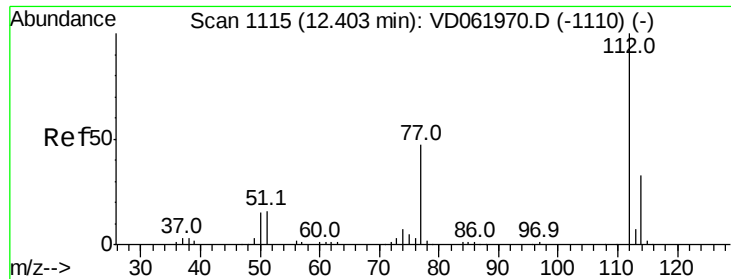
Tot Ion:117 Resp: 694424
Ion Ratio Lower Upper
117 100
82 49.6 36.2 54.2
119 33.5 26.2 39.4



#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

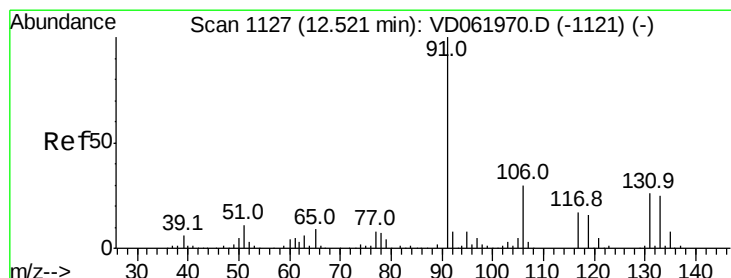
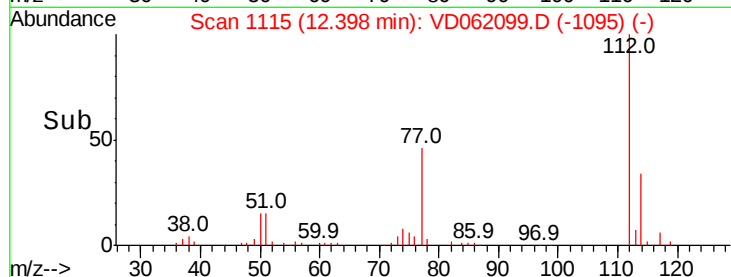
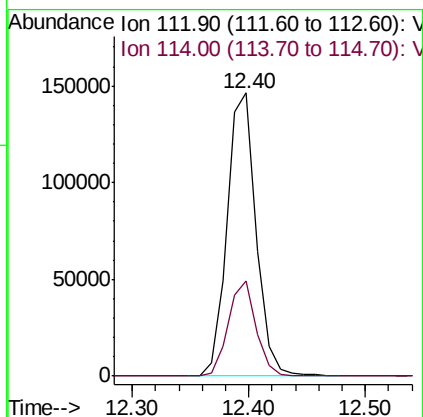
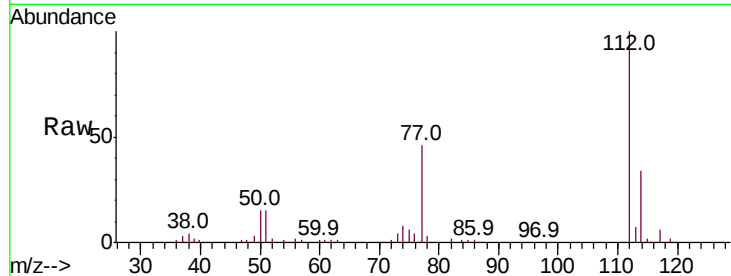




#65
Chlorobenzene
Concen: 19.183 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

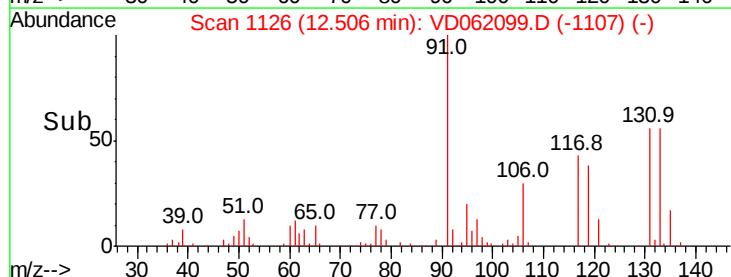
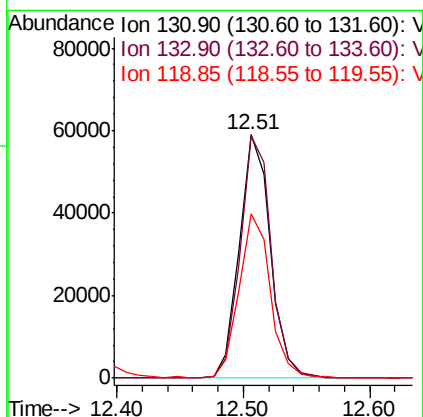
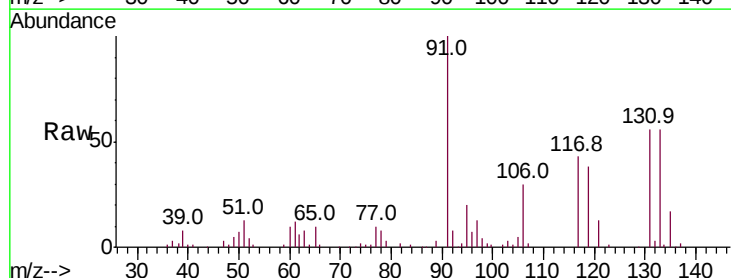
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

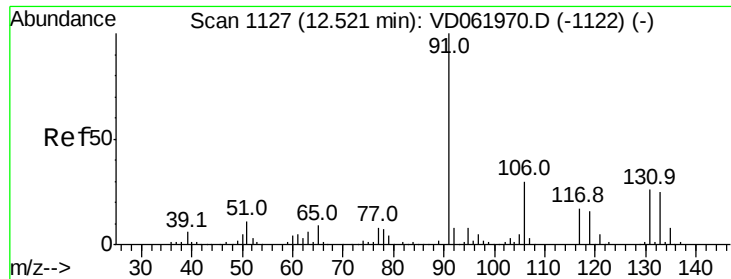
Tot Ion:112 Resp: 251724
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.8



#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

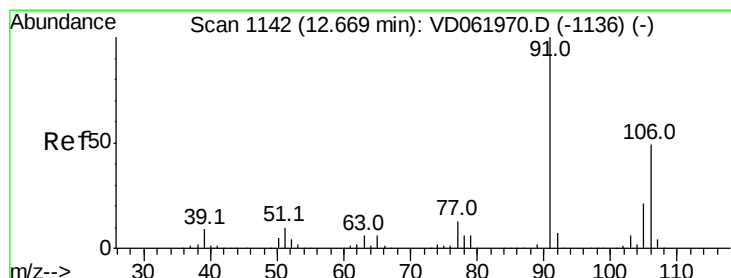
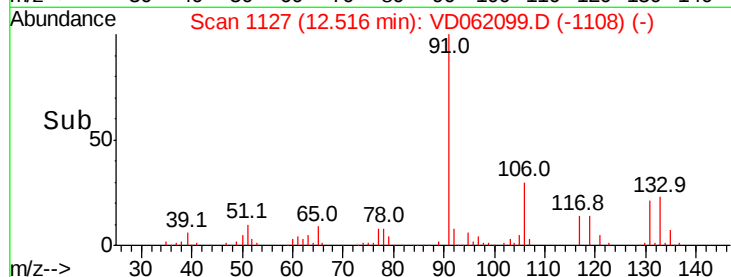
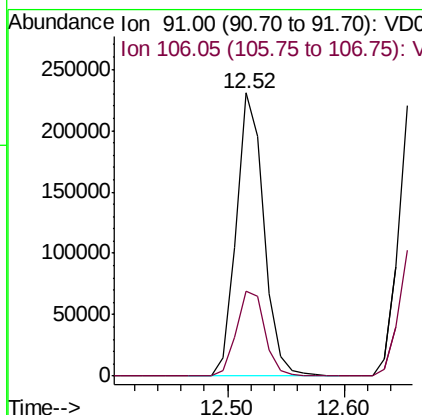
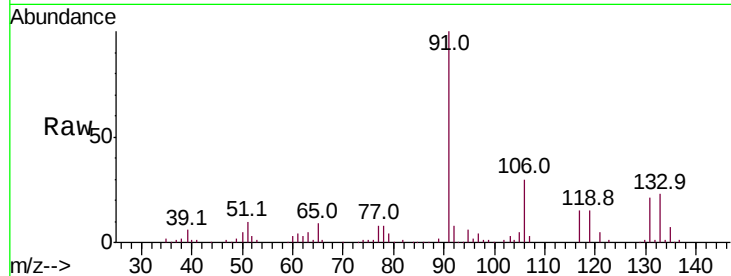




#67
Ethyl Benzene
Concen: 17.608 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

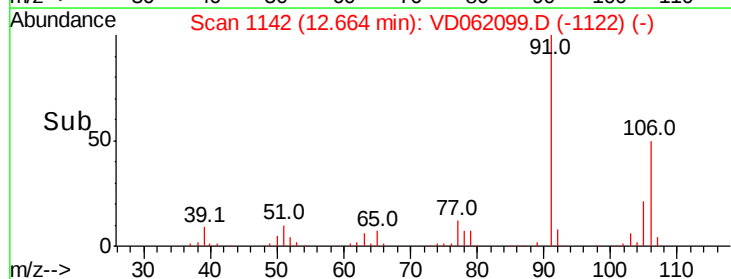
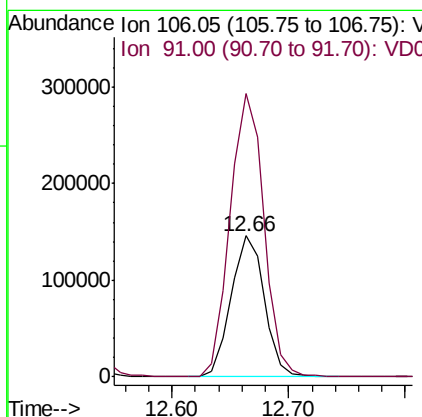
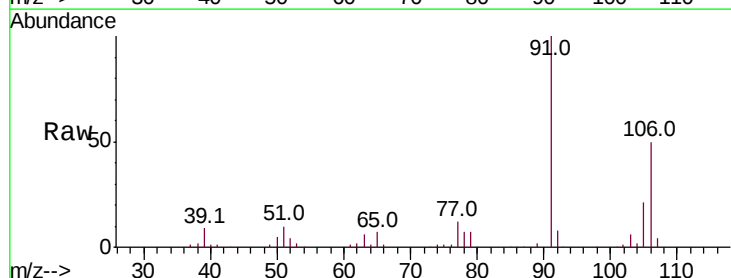
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBS01

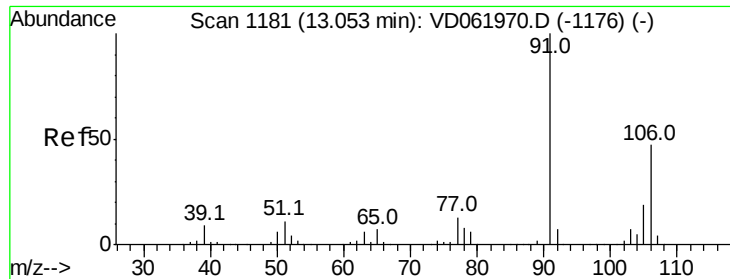
Tot Ion: 91 Resp: 377129
Ion Ratio Lower Upper
91 100
106 29.8 24.7 37.1



#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

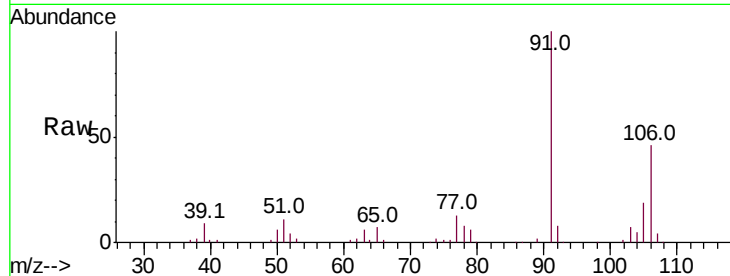




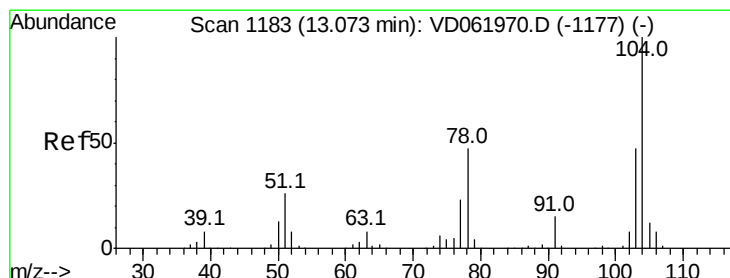
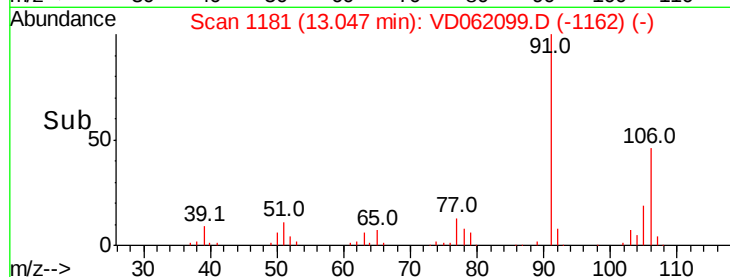
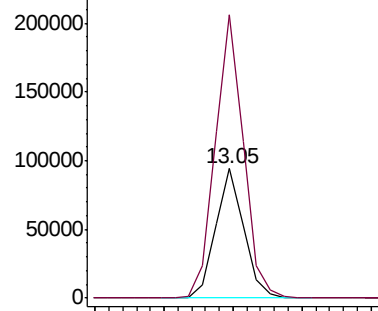
#69
o-Xylene
Concen: 19.092 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

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

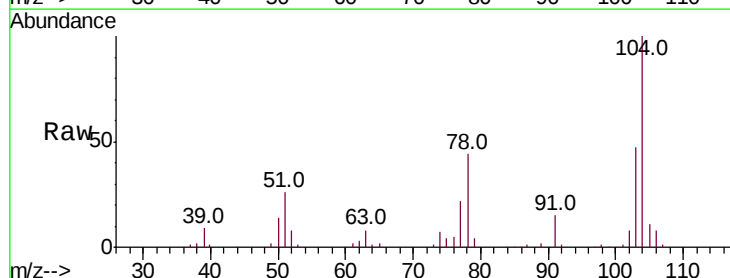


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

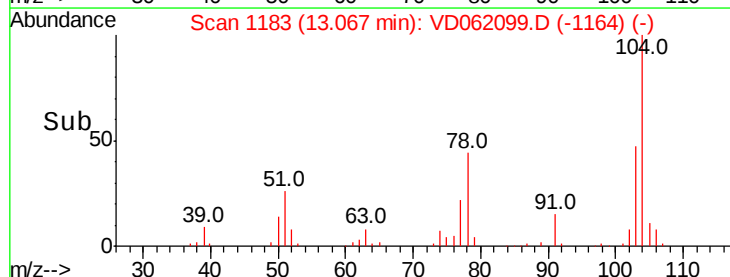
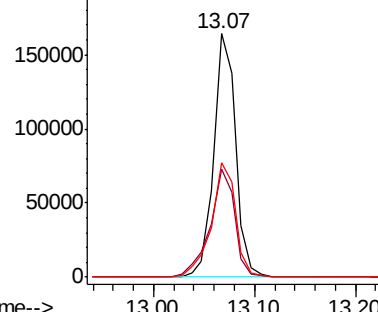


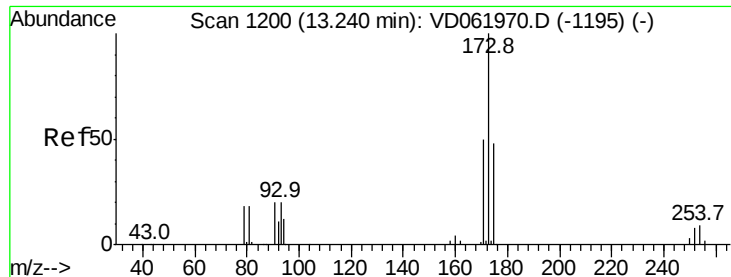
#70
Styrene
Concen: 20.163 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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): V
Ion 103.05 (102.75 to 103.75): V





#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 :

VD0501SBS01

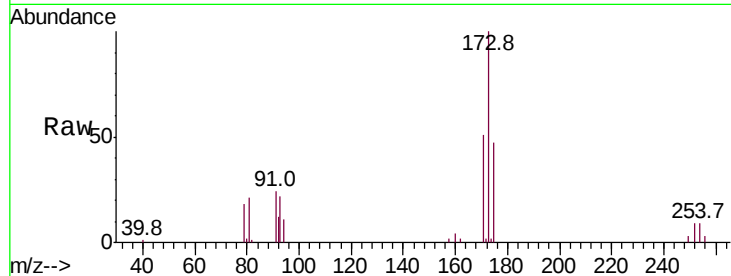
Tot Ion:173 Resp: 60257

Ion Ratio Lower Upper

173 100

175 46.7 24.4 73.4

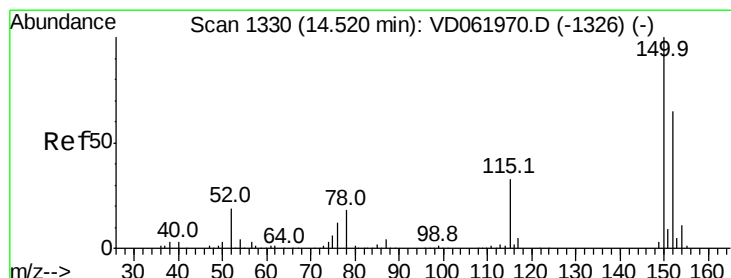
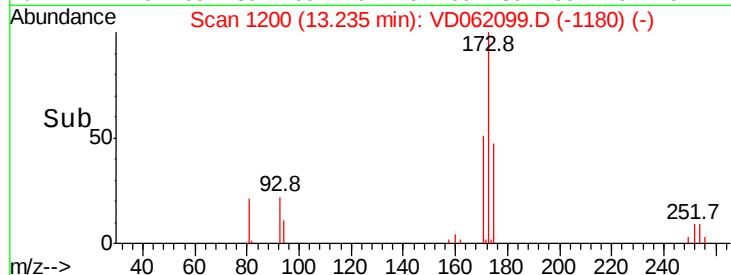
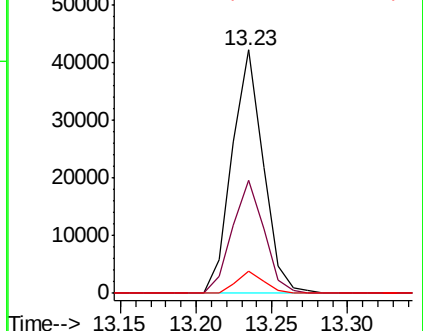
254 9.0 5.4 8.2#



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

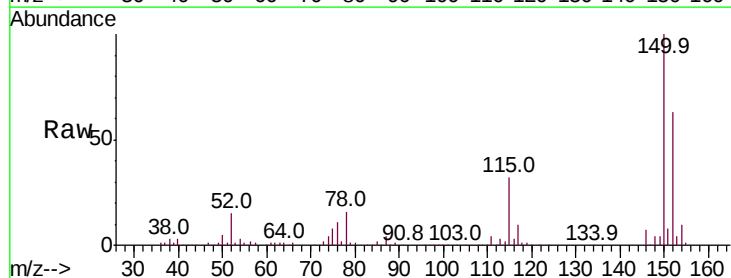
Tgt Ion:152 Resp: 306313

Ion Ratio Lower Upper

152 100

115 49.9 30.9 92.7

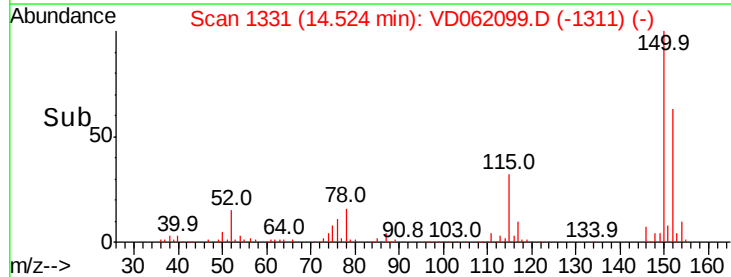
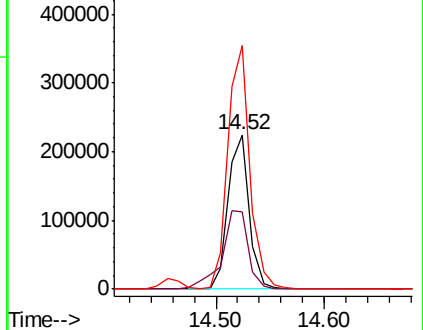
150 157.7 0.0 314.8

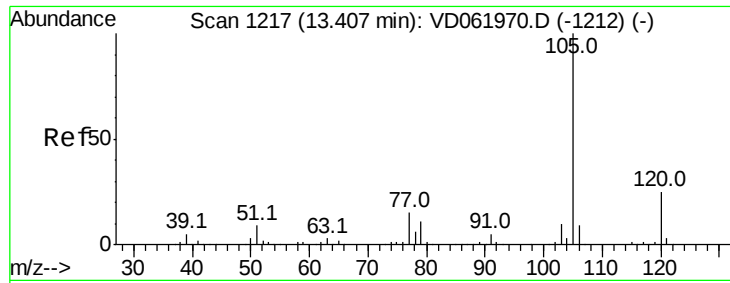


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

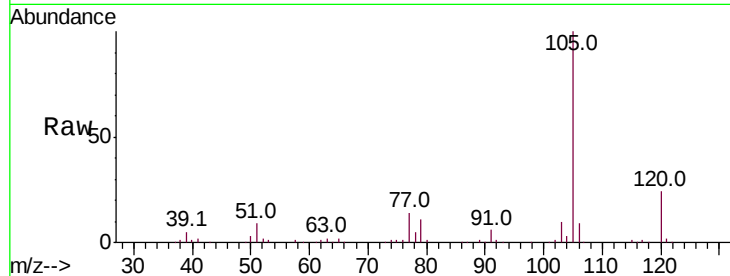
VD0501SBSD01

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

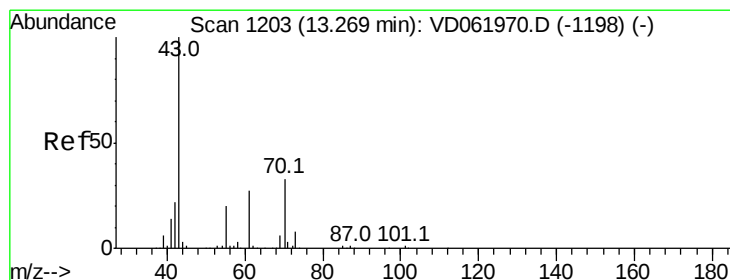
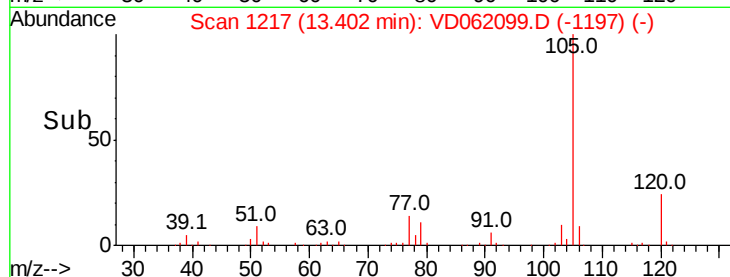
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#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

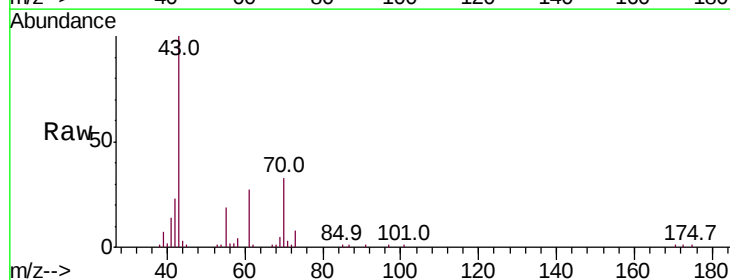
Ion Ratio Lower Upper

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

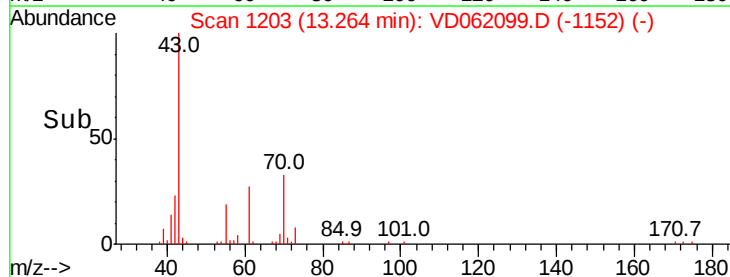
60000

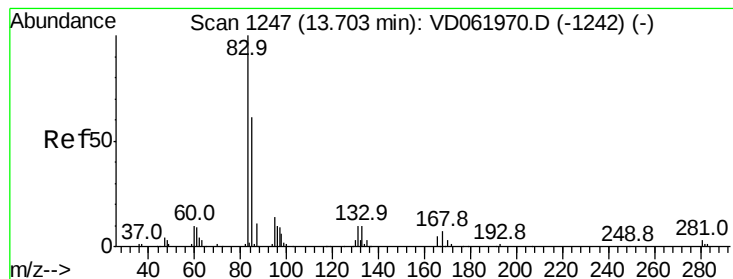
40000

20000

0

Time--> 13.20 13.30





#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

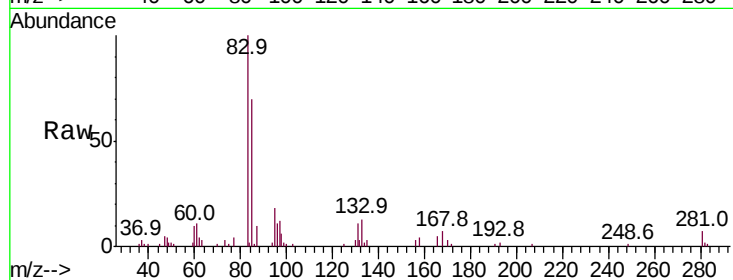
Tot Ion: 83 Resp: 74599

Ion Ratio Lower Upper

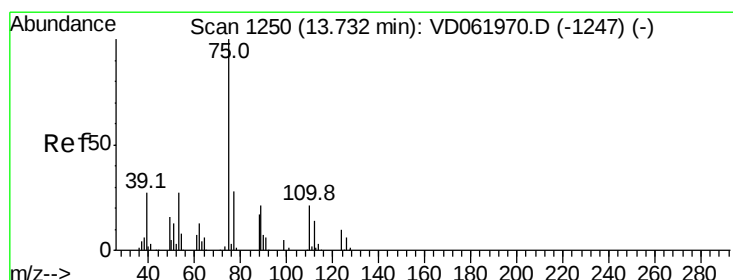
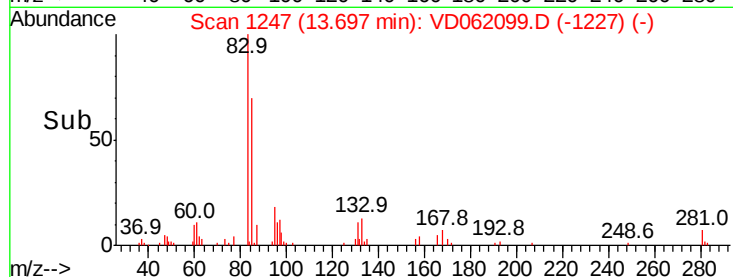
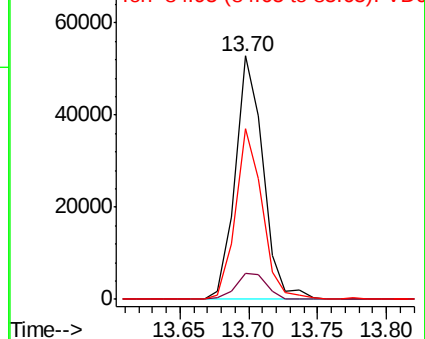
83 100

131 10.7 5.0 14.9

85 70.1 32.6 97.7



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

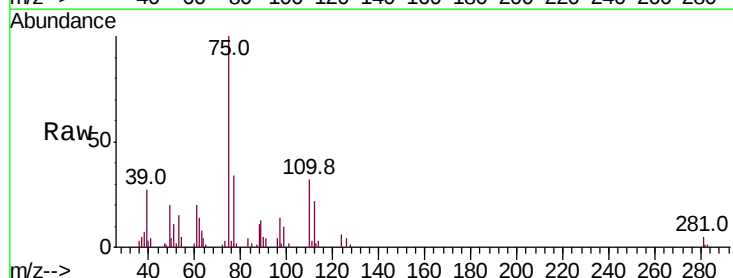
Acq: 1 May 2019 13:32

Tgt Ion: 75 Resp: 77952

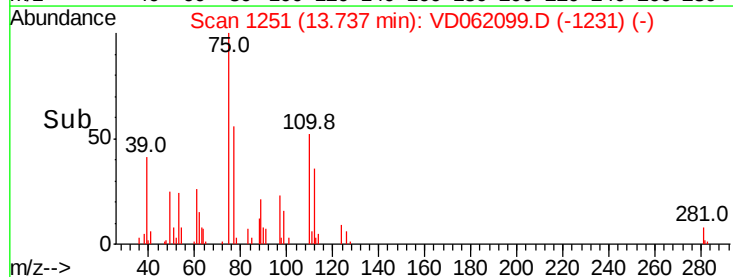
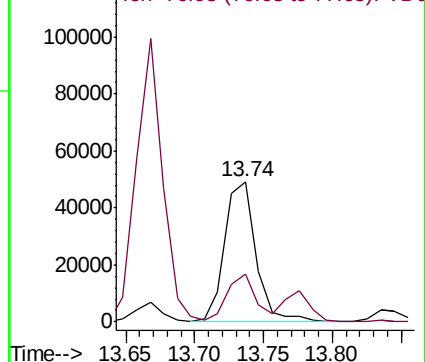
Ion Ratio Lower Upper

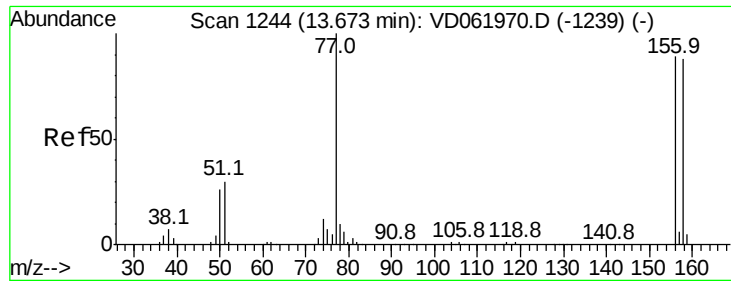
75 100

77 34.4 16.4 49.4



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

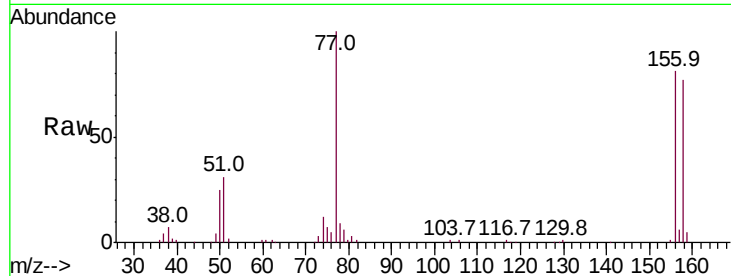




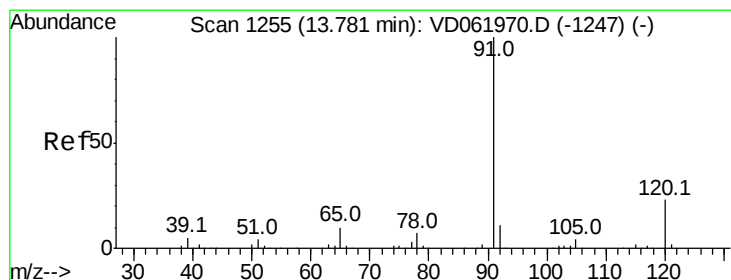
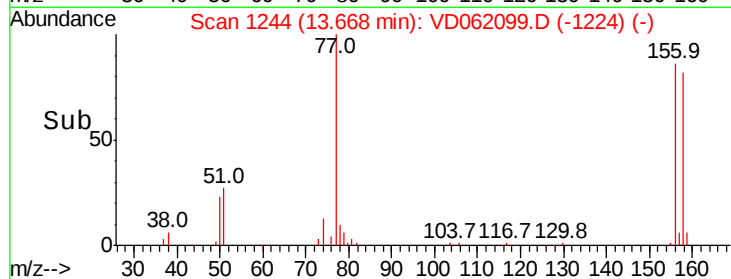
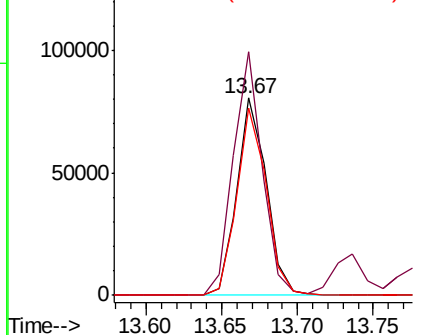
#77
Bromobenzene
Concen: 18.511 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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

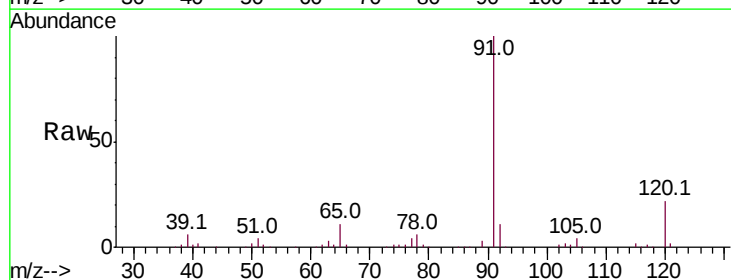


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

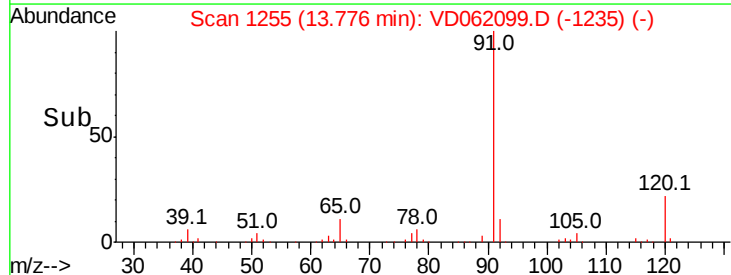
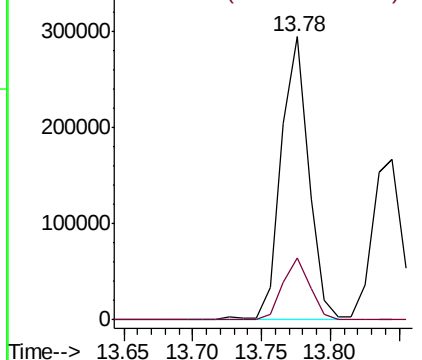


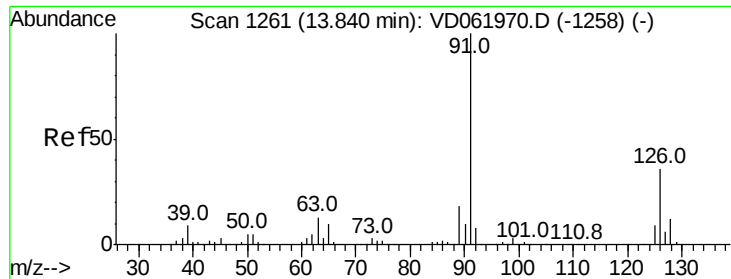
#78
n-propylbenzene
Concen: 17.380 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

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): VDC
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 :

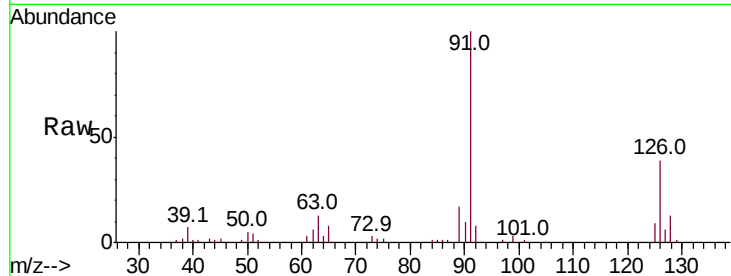
VD0501SBSD01

Tot Ion: 91 Resp: 248941

Ion Ratio Lower Upper

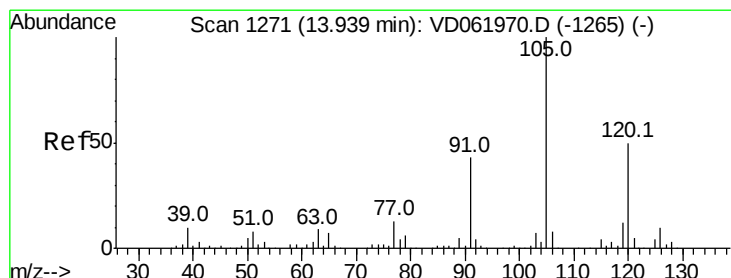
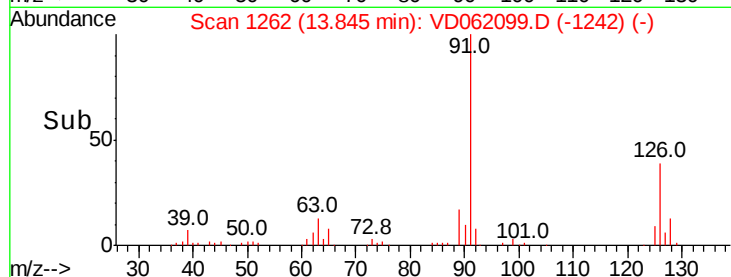
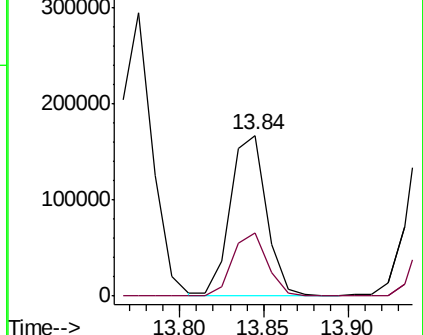
91 100

126 39.4 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#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

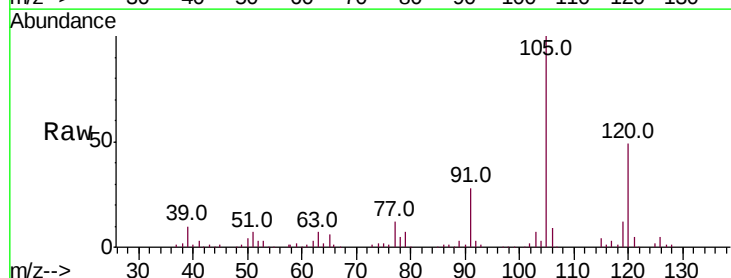
Acq: 1 May 2019 13:32

Tgt Ion:105 Resp: 319931

Ion Ratio Lower Upper

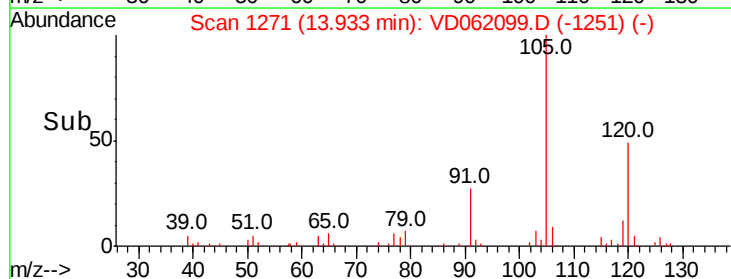
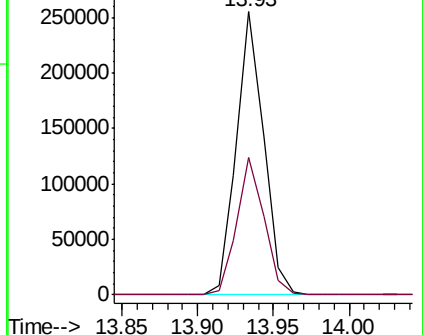
105 100

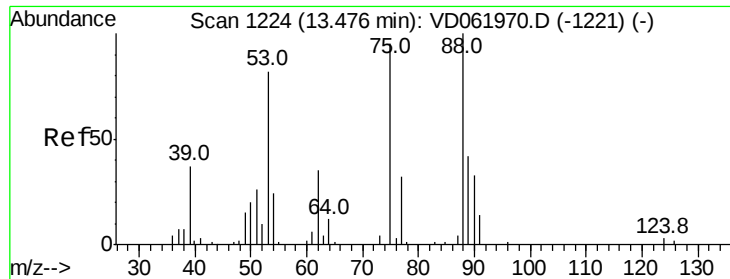
120 48.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#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 :

VD0501SBS01

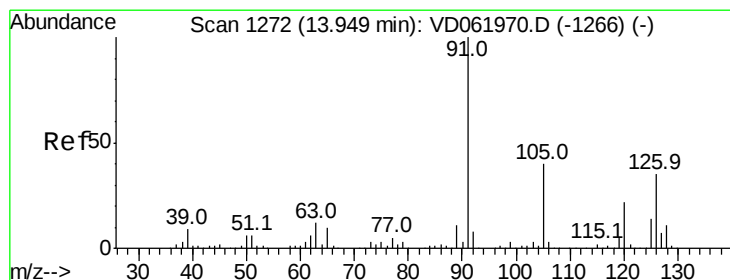
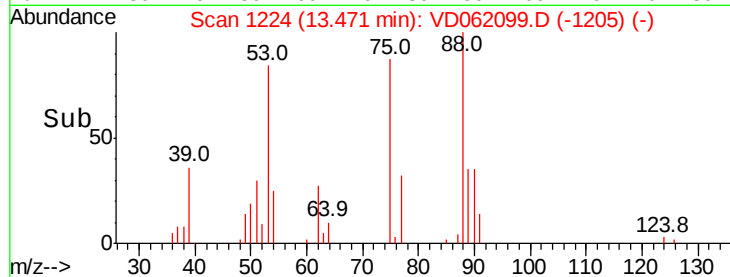
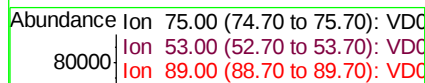
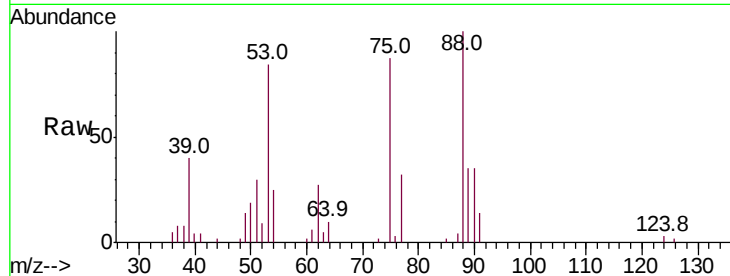
Tot Ion: 75 Resp: 22552

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

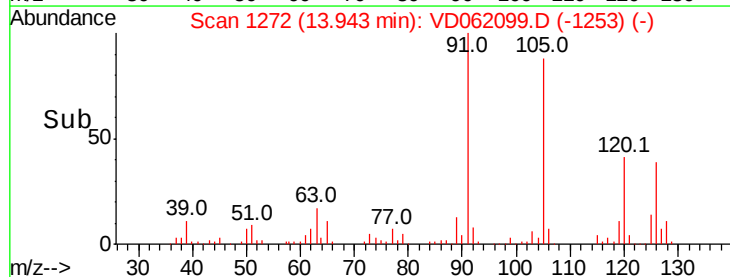
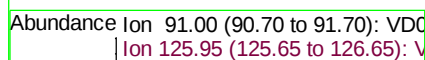
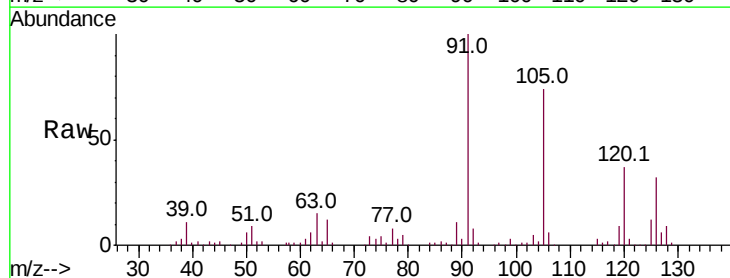
Acq: 1 May 2019 13:32

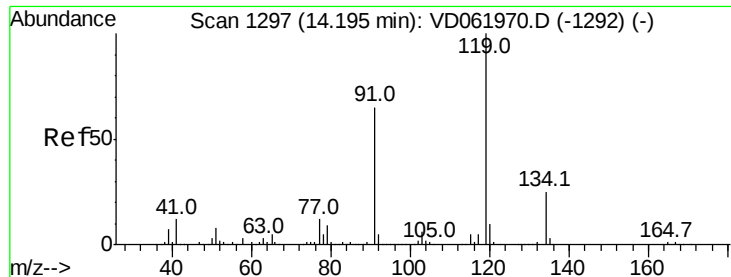
Tgt Ion: 91 Resp: 301423

Ion Ratio Lower Upper

91 100

126 31.8 19.1 57.5

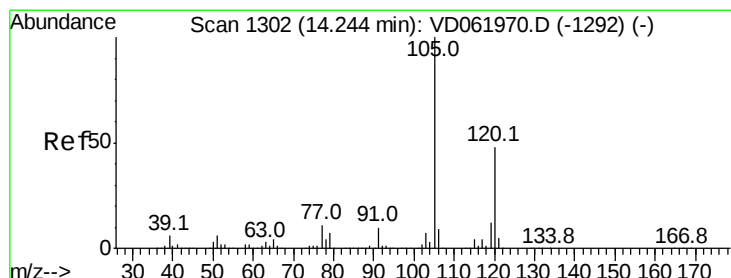
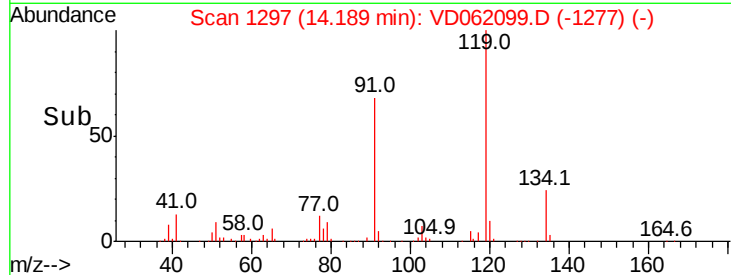
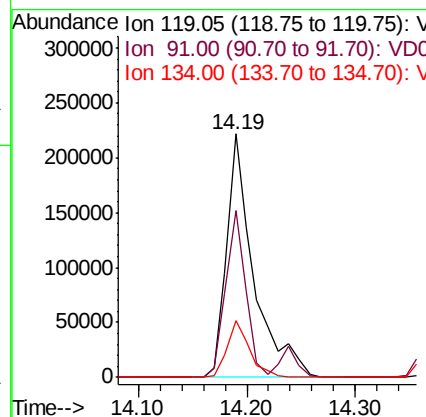
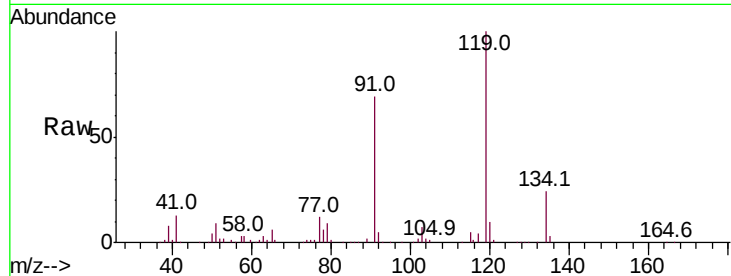




#83
 tert-Butylbenzene
 Concen: 20.407 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

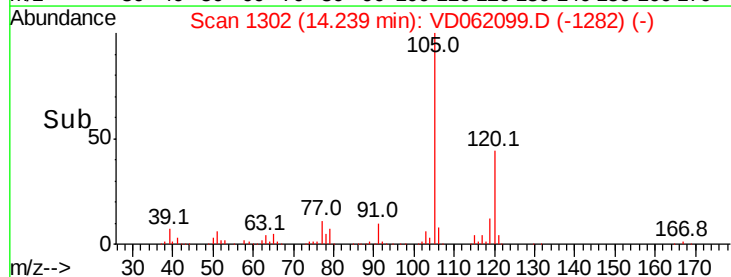
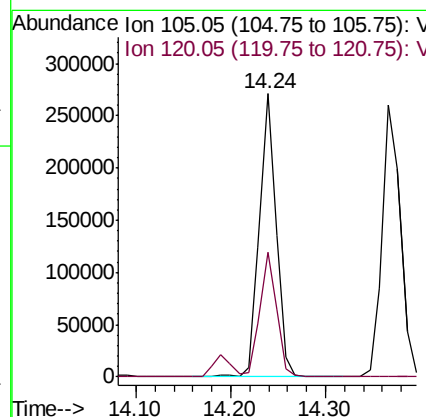
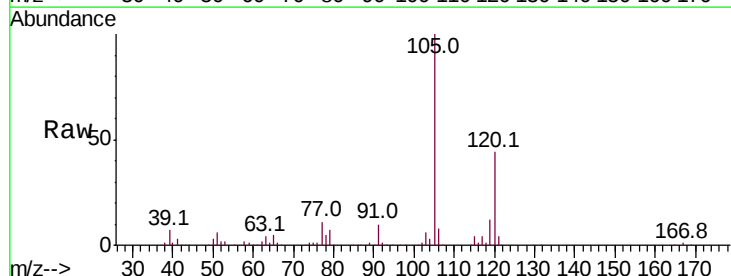
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

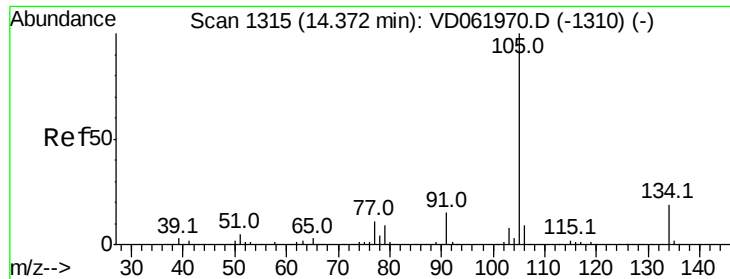
Tot Ion:119 Resp: 385165
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.2 102.6
 134 23.5 12.0 36.0



#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

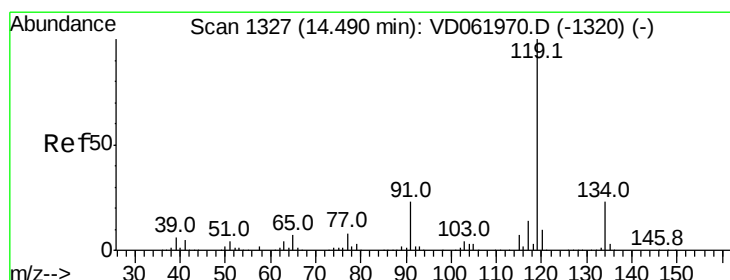
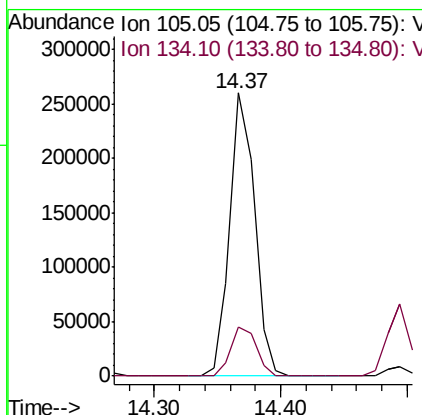
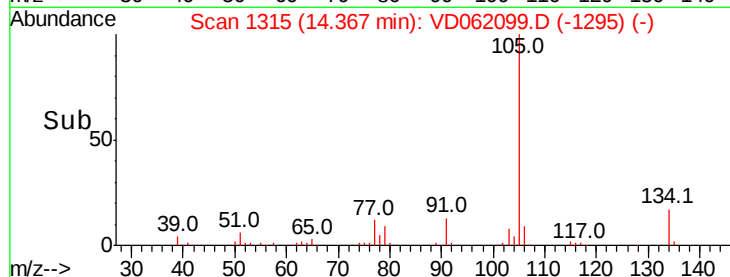
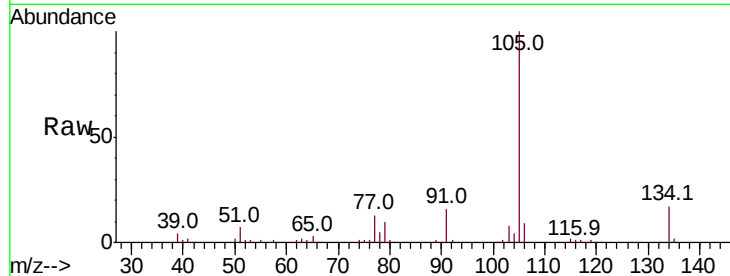




#85
 sec-Butylbenzene
 Concen: 17.428 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

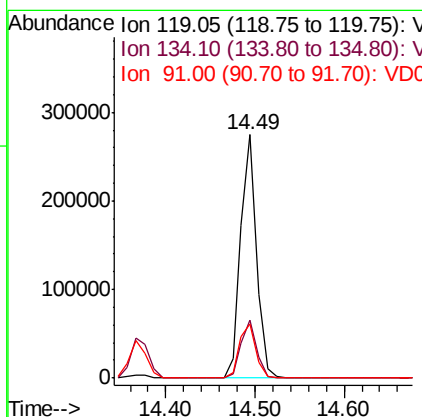
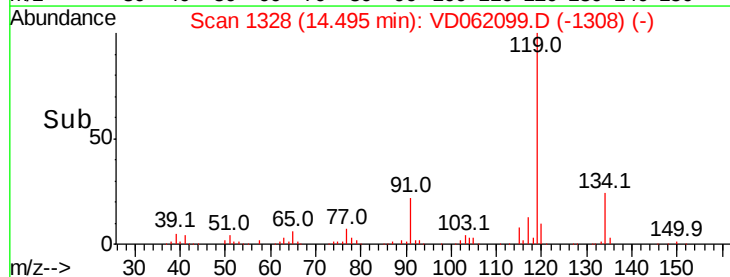
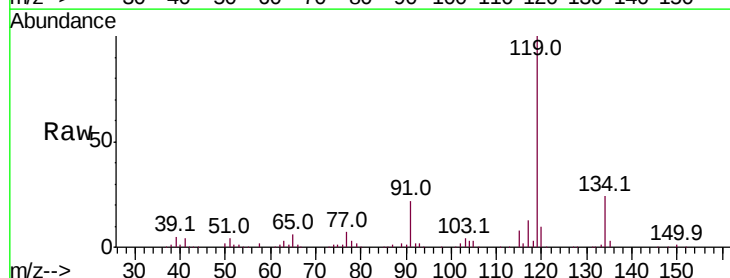
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

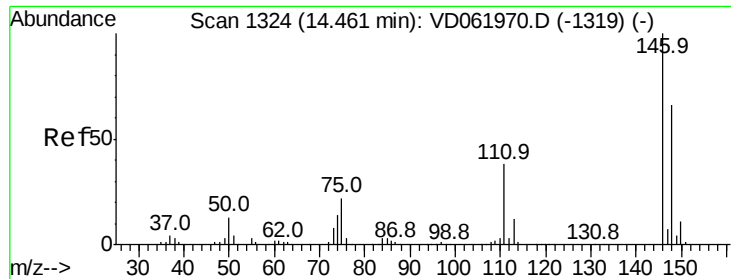
Tot Ion:105 Resp: 355417
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.9 26.7



#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

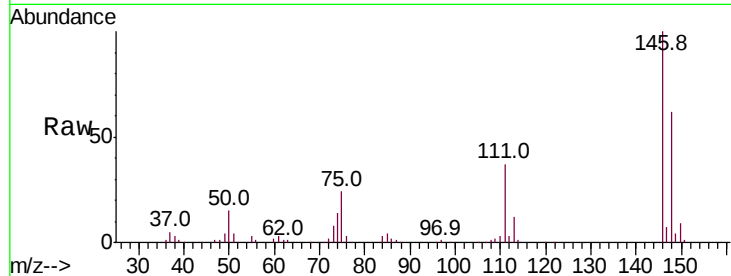




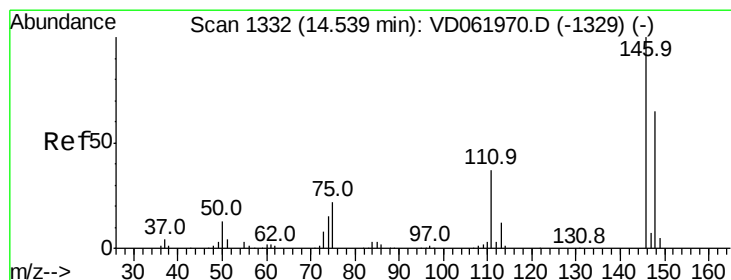
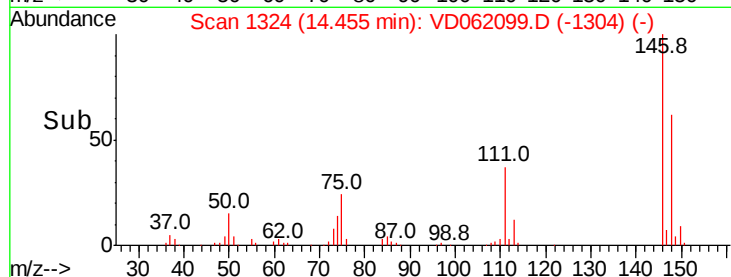
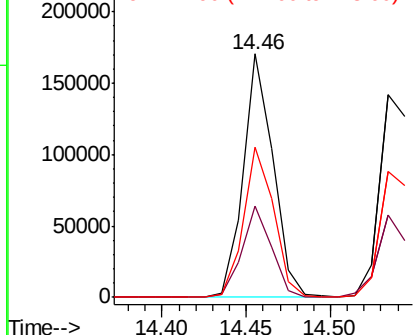
#87
 1,3-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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

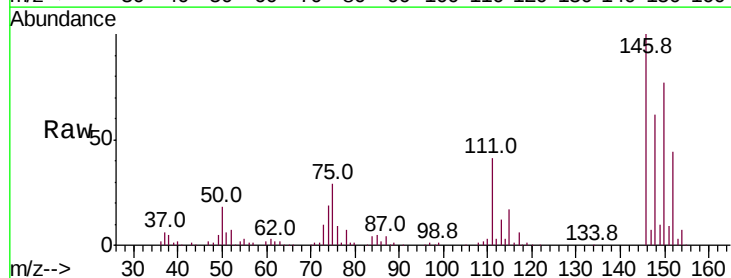


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

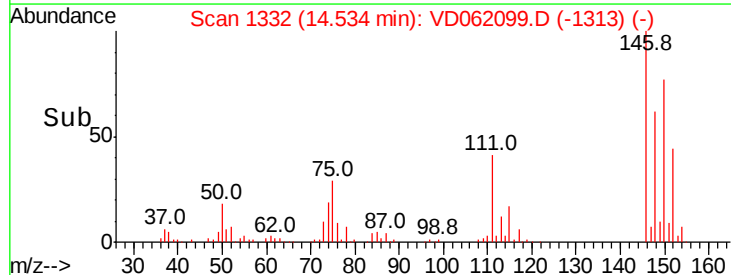
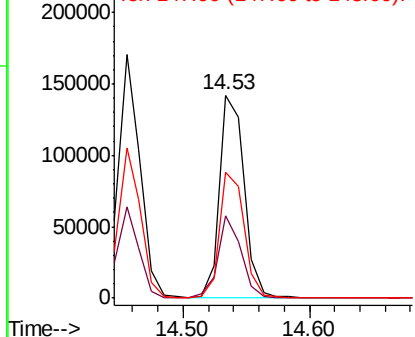


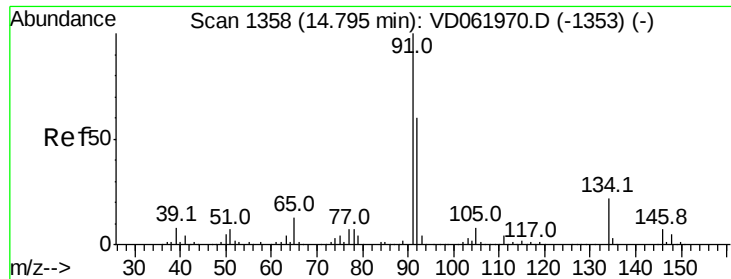
#88
 1,4-Dichlorobenzene
 Concen: 20.166 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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

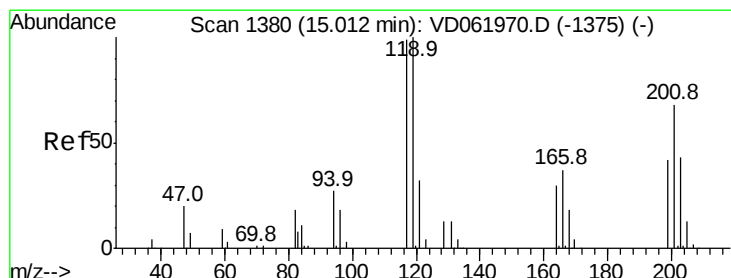
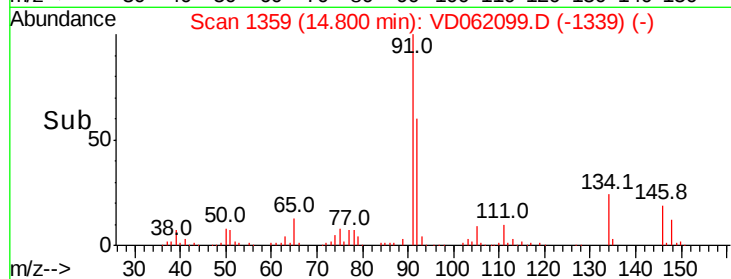
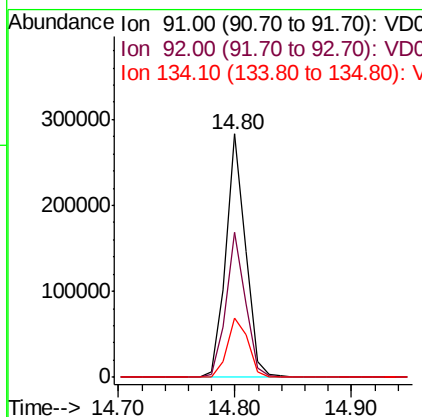
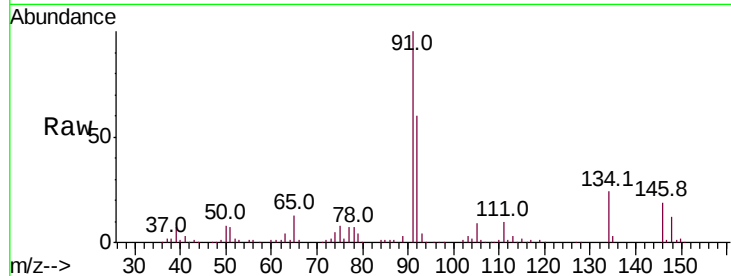




#89
n-Butylbenzene
Concen: 20.215 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

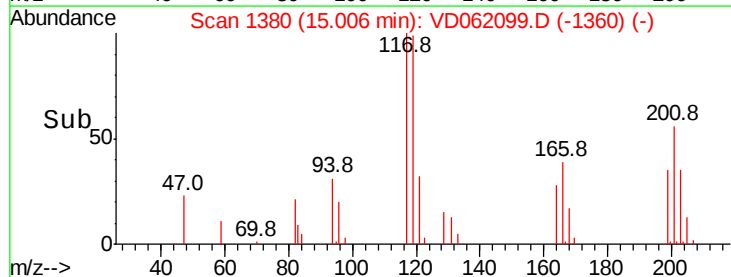
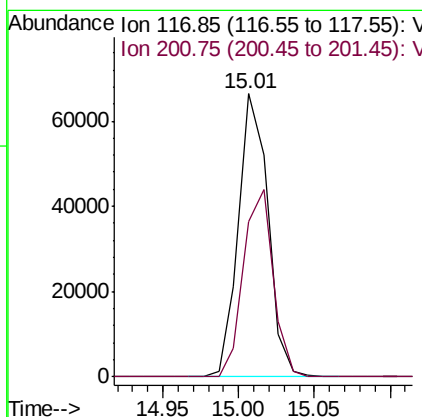
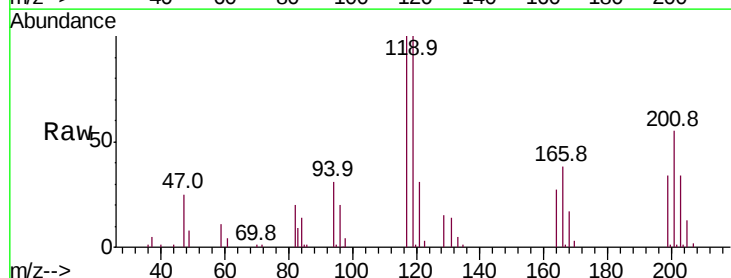
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

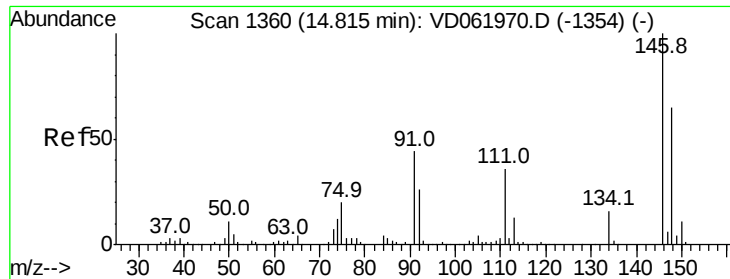
Tot Ion: 91 Resp: 331247
Ion Ratio Lower Upper
91 100
92 59.5 30.3 91.0
134 24.1 14.5 43.6



#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

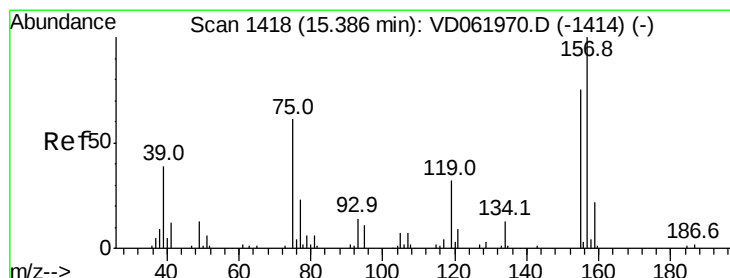
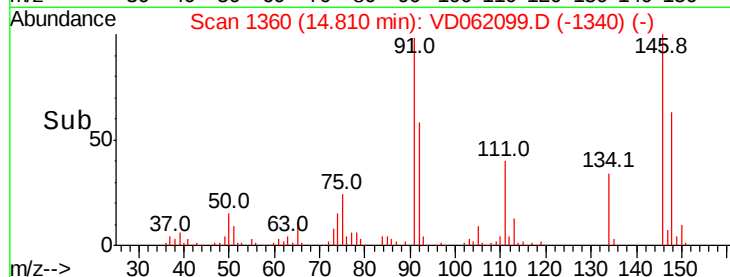
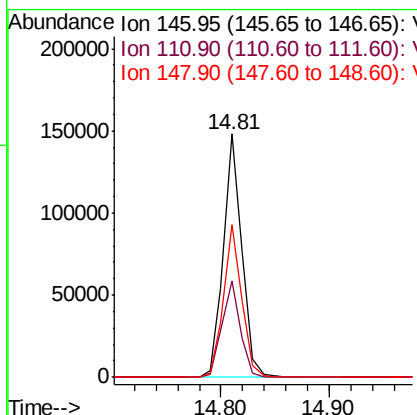
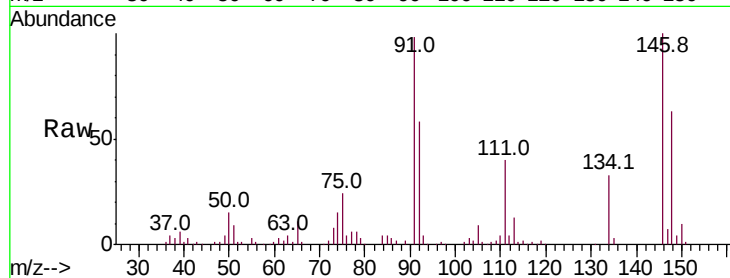




#91
 1,2-Dichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

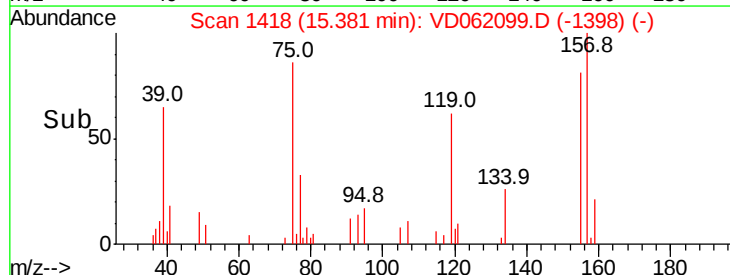
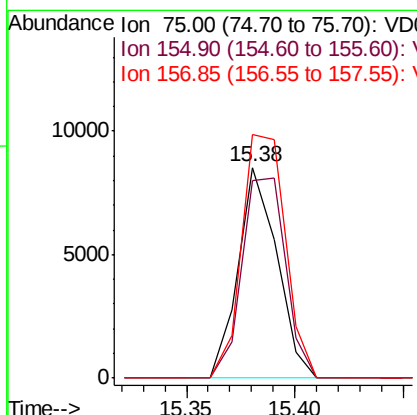
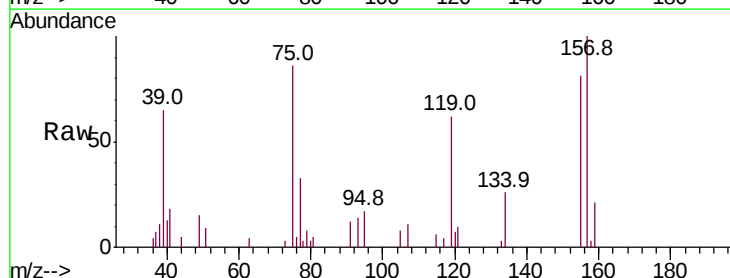
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBSD01

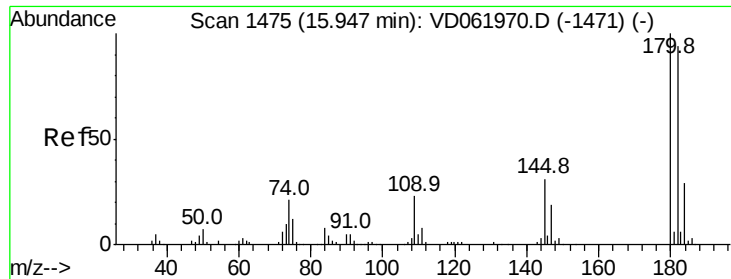
Tot Ion:	146	Resp:	175286
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	62.9	32.3	96.8



#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

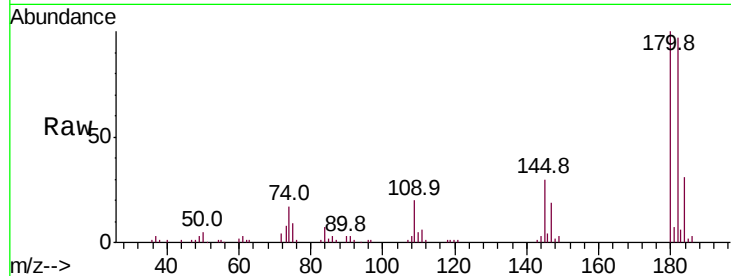




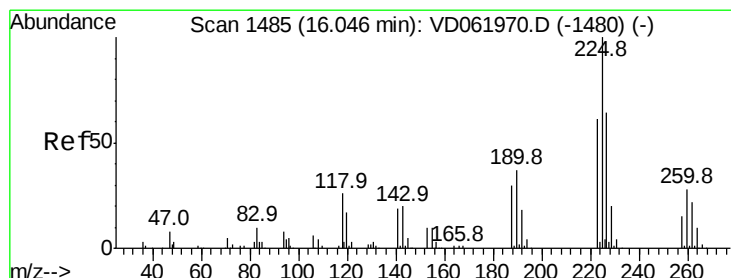
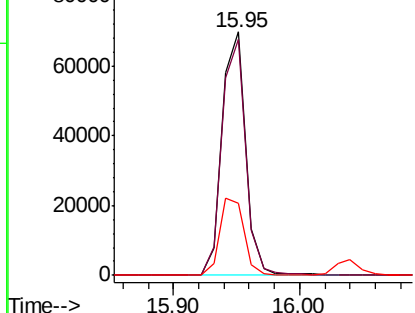
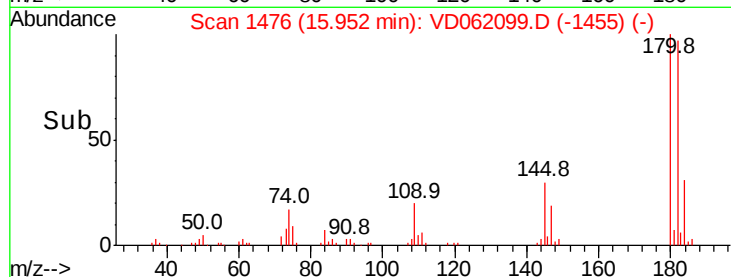
#93
 1,2,4-Trichlorobenzene
 Concen: 19.806 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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

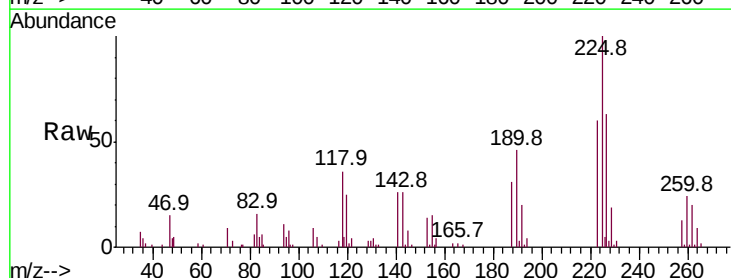


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

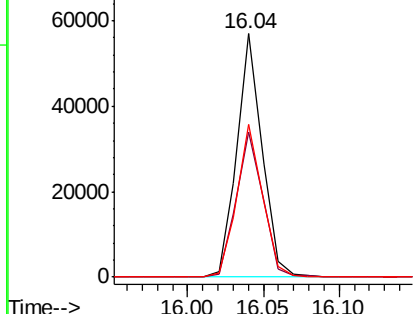
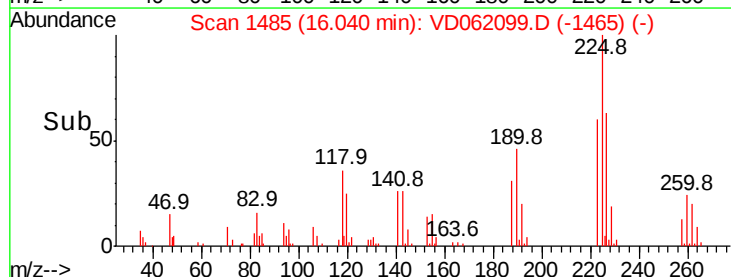


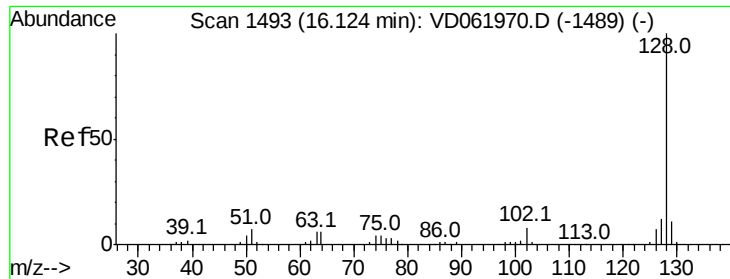
#94
 Hexachlorobutadiene
 Concen: 19.536 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062099.D
 Acq: 1 May 2019 13:32

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

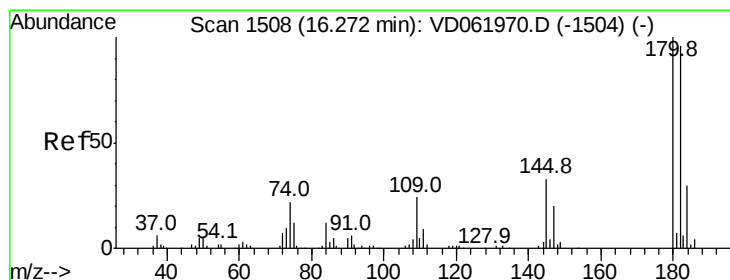
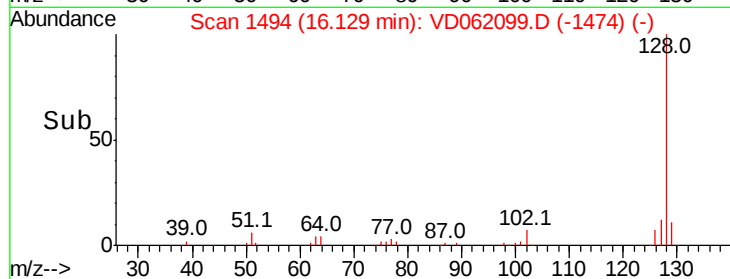
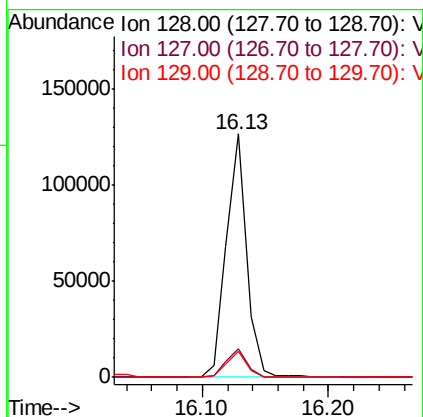
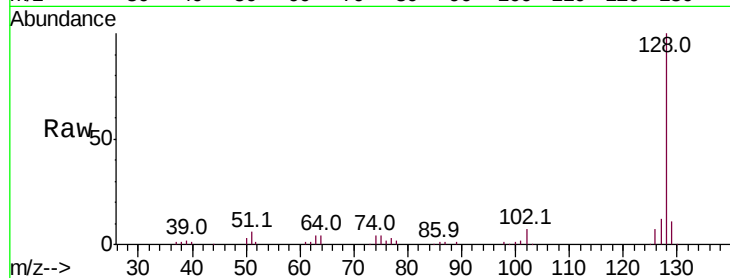




#95
Naphthalene
Concen: 19.147 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062099.D
Acq: 1 May 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBSD01

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

