

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062435.D
 Acq On : 17 May 2019 13:16
 Operator : FY/SY
 Sample : VD0517SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Quant Time: May 17 13:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	604042	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	848225	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	709653	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	373737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	243962	43.46	ug/l	0.04
Spiked Amount	50.000		Recovery	=	86.92%	
35) Dibromofluoromethane	6.93	113	292127	41.51	ug/l	0.04
Spiked Amount	50.000		Recovery	=	83.02%	
50) Toluene-d8	10.42	98	607414	35.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	71.60%	
62) 4-Bromofluorobenzene	13.56	95	275588	40.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	84282	14.589	ug/l	99
3) Chloromethane	1.76	50	58204	13.943	ug/l	92
4) Vinyl Chloride	1.84	62	61577	15.009	ug/l	94
5) Bromomethane	2.15	94	23082	24.011	ug/l	97
6) Chloroethane	2.26	64	28892	16.783	ug/l	97
7) Trichlorofluoromethane	2.52	101	153366	19.229	ug/l	94
8) Diethyl Ether	2.88	74	23491	15.271	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	104229	17.275	ug/l	95
10) Methyl Iodide	3.31	142	115421	12.657	ug/l	92
11) Tert butyl alcohol	4.09	59	24195	84.440	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	68081	14.782	ug/l	88
13) Acrolein	3.04	56	17538	59.177	ug/l	90
14) Allyl chloride	3.62	41	111896	16.709	ug/l #	83
15) Acrylonitrile	4.20	53	62424	82.884	ug/l #	89
16) Acetone	3.22	43	119817	101.782	ug/l #	83
17) Carbon Disulfide	3.37	76	169173	12.769	ug/l	99
18) Methyl Acetate	3.65	43	38307	18.000	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	186683	18.910	ug/l	92
20) Methylene Chloride	3.81	84	89077	18.123	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	81714	15.944	ug/l	92
22) Diisopropyl ether	5.13	45	251343	17.637	ug/l	98
23) Vinyl Acetate	5.06	43	728634	96.910	ug/l	99
24) 1,1-Dichloroethane	4.98	63	158519	18.439	ug/l	99
25) 2-Butanone	6.08	43	128330	99.942	ug/l	99
26) 2,2-Dichloropropane	6.03	77	176161	20.571	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	98851	17.231	ug/l	98
28) Bromochloromethane	6.44	49	78706	23.270	ug/l	85
29) Tetrahydrofuran	6.46	42	53464	90.367	ug/l	96
30) Chloroform	6.68	83	193460	18.673	ug/l	95
31) Cyclohexane	6.96	56	90879	15.430	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	190338	19.437	ug/l	97
36) 1,1-Dichloropropene	7.15	75	125348	18.024	ug/l	95
37) Ethyl Acetate	6.19	43	53909	18.278	ug/l #	90
38) Carbon Tetrachloride	7.12	117	182877	18.999	ug/l	98

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 Sample : VD0517SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Quant Time: May 17 13:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	106573	15.994	ug/l	94
40) Benzene	7.46	78	259091	16.498	ug/l	99
41) Methacrylonitrile	6.46	41	68572	19.025	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	132776	19.955	ug/l	91
43) Isopropyl Acetate	9.25	43	72967	17.444	ug/l	92
44) Trichloroethene	8.55	130	100727	16.832	ug/l	89
45) 1,2-Dichloropropane	8.94	63	66654	17.159	ug/l	99
46) Dibromomethane	9.07	93	56127	17.768	ug/l	96
47) Bromodichloromethane	9.38	83	150870	19.526	ug/l	98
48) Methyl methacrylate	9.13	41	50562	19.625	ug/l #	86
49) 1,4-Dioxane	9.09	88	9575	344.438	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	261144	97.124	ug/l	91
52) Toluene	10.51	92	173140	16.945	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	119148	17.842	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	131309	18.024	ug/l #	84
55) 1,1,2-Trichloroethane	11.19	97	68191	18.862	ug/l	92
56) Ethyl methacrylate	11.05	69	71398	19.005	ug/l #	81
57) 1,3-Dichloropropane	11.41	76	103323	18.917	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	226166	110.210	ug/l	91
59) 2-Hexanone	11.54	43	199809	100.825	ug/l	90
60) Dibromochloromethane	11.70	129	120243	19.245	ug/l	98
61) 1,2-Dibromoethane	11.81	107	75522	17.182	ug/l	96
64) Tetrachloroethene	11.26	164	91807	16.544	ug/l	96
65) Chlorobenzene	12.40	112	249201	18.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	105800	18.392	ug/l	95
67) Ethyl Benzene	12.53	91	403494	18.234	ug/l	96
68) m/p-Xylenes	12.67	106	276657	34.364	ug/l	87
69) o-Xylene	13.05	106	128816	17.211	ug/l	75
70) Styrene	13.07	104	227030	17.906	ug/l	94
71) Bromoform	13.24	173	66698	16.665	ug/l #	99
73) Isopropylbenzene	13.41	105	445276	19.876	ug/l	96
74) N-amyl acetate	13.27	43	105366	17.939	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	72673	17.135	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	78284	17.625	ug/l	99
77) Bromobenzene	13.67	156	114135	18.199	ug/l	93
78) n-propylbenzene	13.78	91	490645	18.360	ug/l	97
79) 2-Chlorotoluene	13.84	91	252331	16.486	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	343996	18.234	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	20692	16.502	ug/l #	76
82) 4-Chlorotoluene	13.95	91	350099	19.438	ug/l	84
83) tert-Butylbenzene	14.20	119	417568	19.693	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	367061	19.389	ug/l	93
85) sec-Butylbenzene	14.37	105	401614	17.275	ug/l	96
86) p-Isopropyltoluene	14.49	119	349554	16.829	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	206800	18.051	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	200771	17.836	ug/l	100
89) n-Butylbenzene	14.81	91	351004	18.827	ug/l	96
90) Hexachloroethane	15.01	117	102016	18.060	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	173613	18.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12466	17.906	ug/l	88

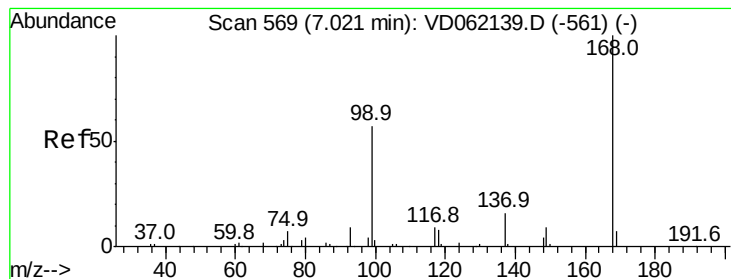
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051719\
Data File : VD062435.D
Acq On : 17 May 2019 13:16
Operator : FY/SY
Sample : VD0517SBSD01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0517SBSD01

Quant Time: May 17 13:50:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	143903	20.954	ug/l	97
94) Hexachlorobutadiene	16.05	225	102527	20.073	ug/l	99
95) Naphthalene	16.12	128	195114	20.351	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	116641	27.014	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

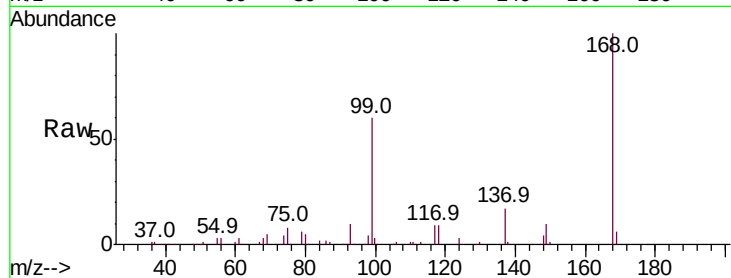
VD0517SBS01

Tot Ion:168 Resp: 604042

Ion Ratio Lower Upper

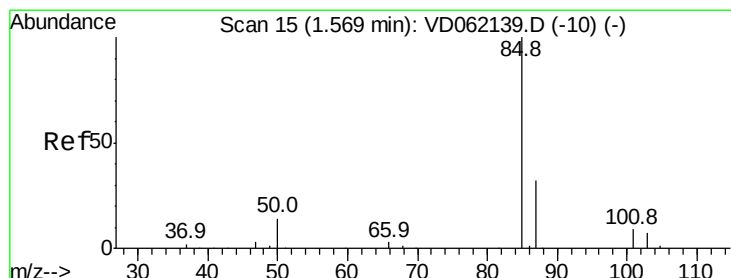
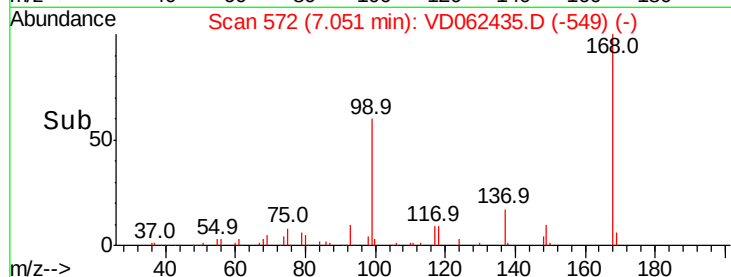
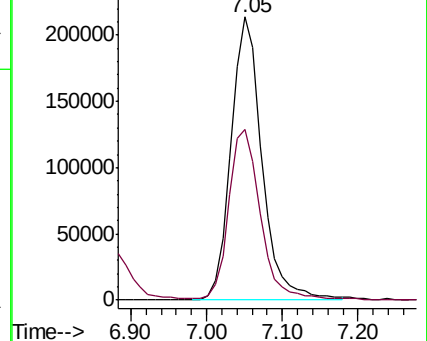
168 100

99 60.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 14.589 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062435.D

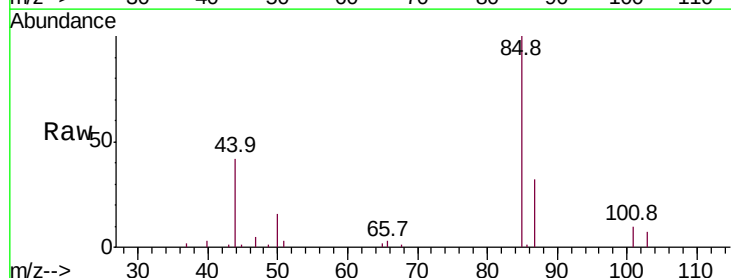
Acq: 17 May 2019 13:16

Tgt Ion: 85 Resp: 84282

Ion Ratio Lower Upper

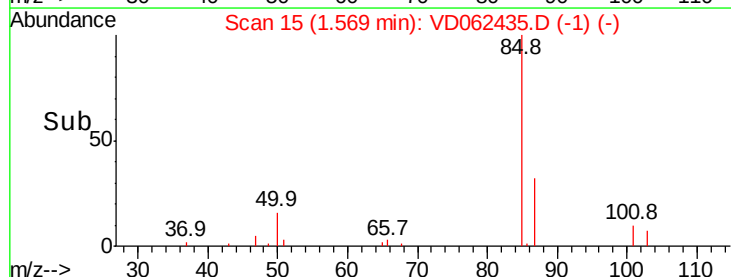
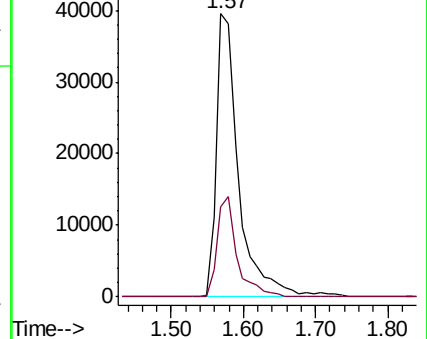
85 100

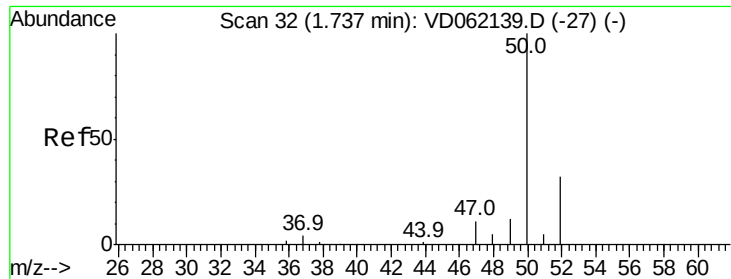
87 32.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 13.943 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

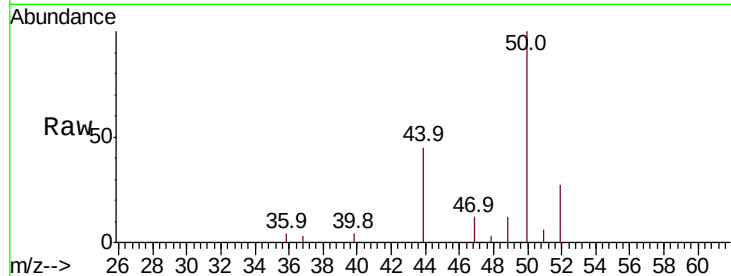
VD0517SBS01

Tot Ion: 50 Resp: 58204

Ion Ratio Lower Upper

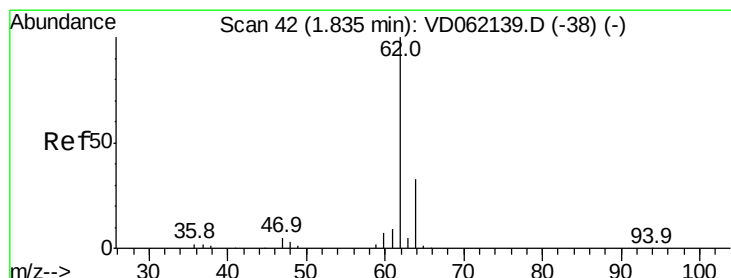
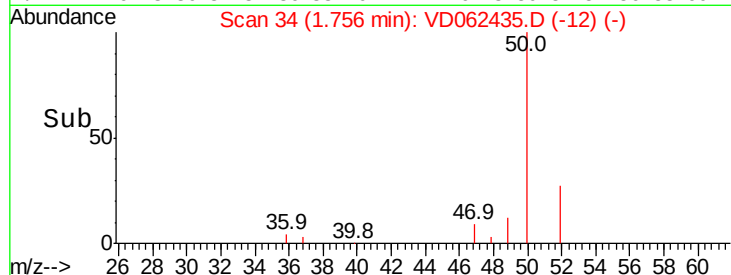
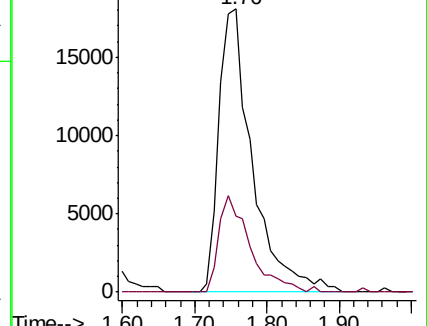
50 100

52 27.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 15.009 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062435.D

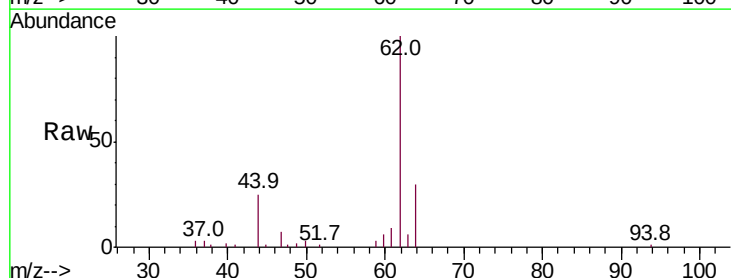
Acq: 17 May 2019 13:16

Tgt Ion: 62 Resp: 61577

Ion Ratio Lower Upper

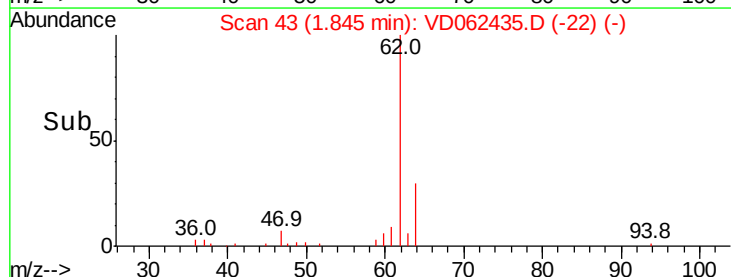
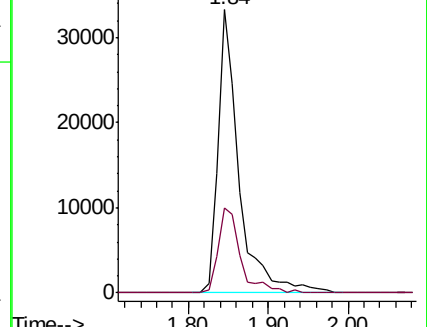
62 100

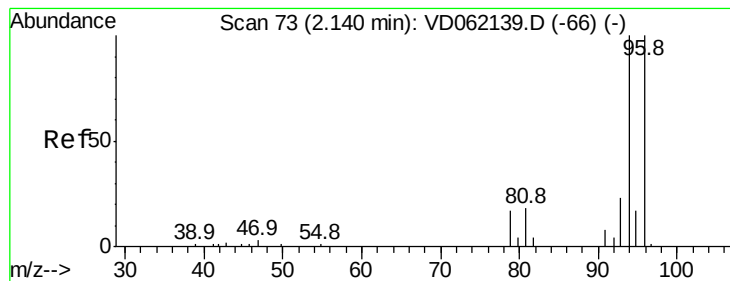
64 29.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 24.011 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

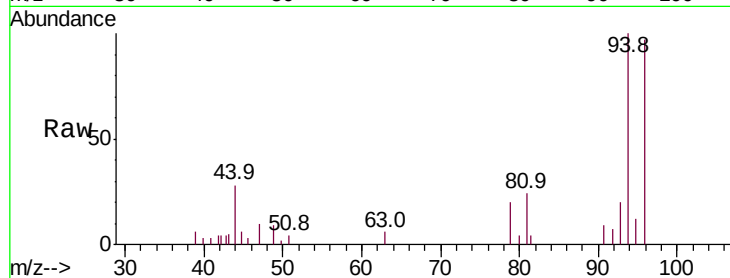
Tot Ion: 94 Resp: 23082

Ion Ratio Lower Upper

94 100

96 97.5 76.6 115.0

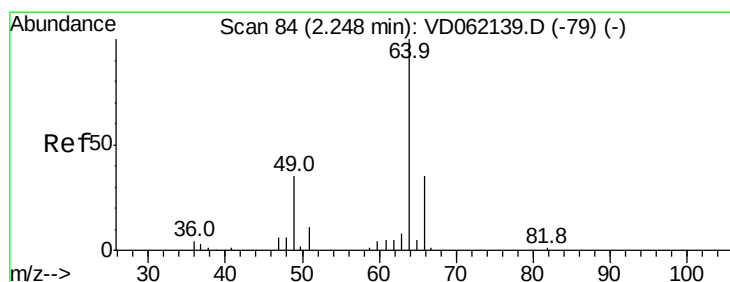
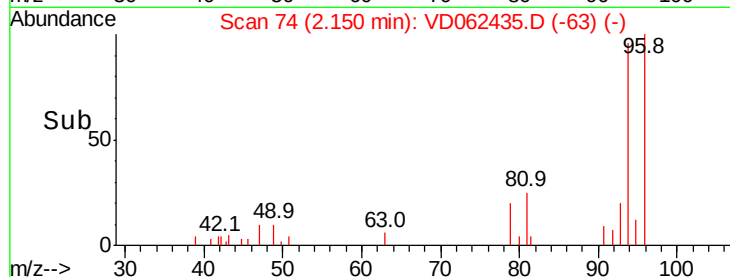
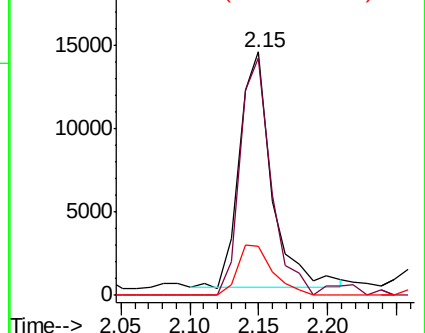
93 19.9 18.5 27.7



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: 16.783 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062435.D

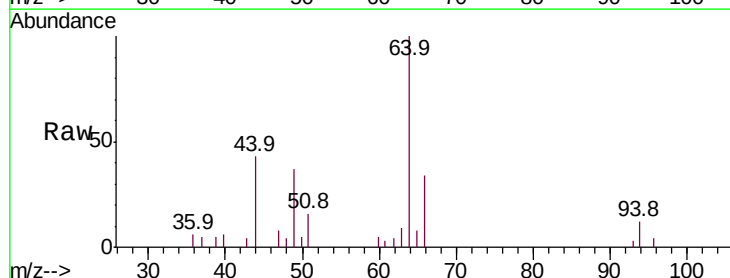
Acq: 17 May 2019 13:16

Tgt Ion: 64 Resp: 28892

Ion Ratio Lower Upper

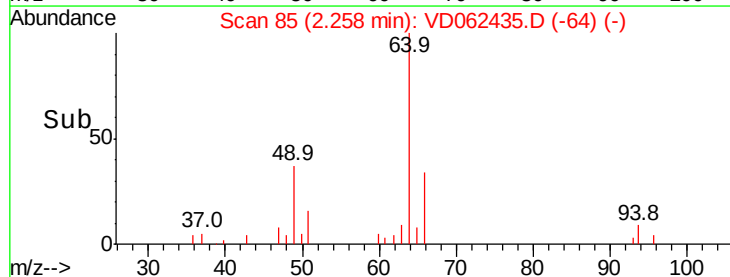
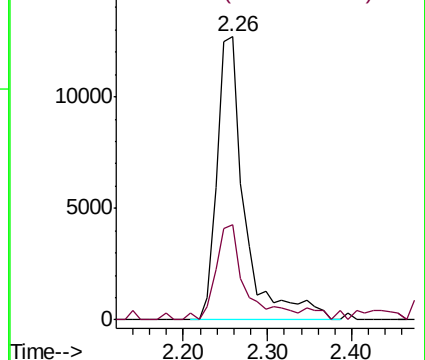
64 100

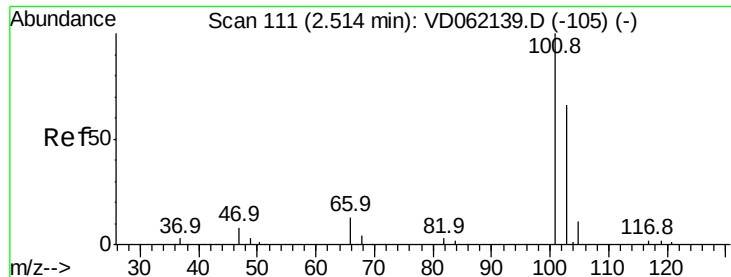
66 33.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



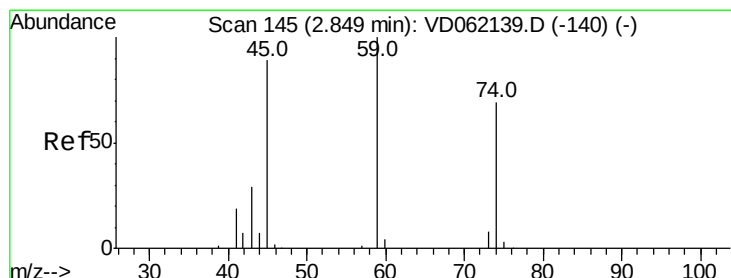
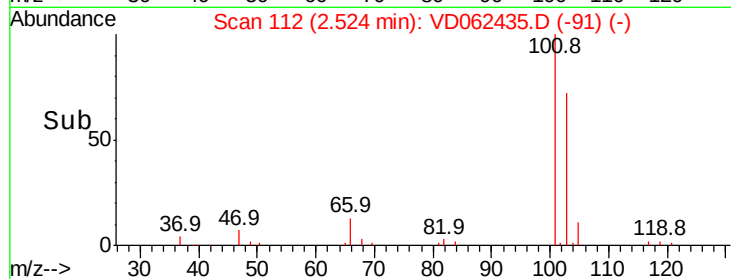
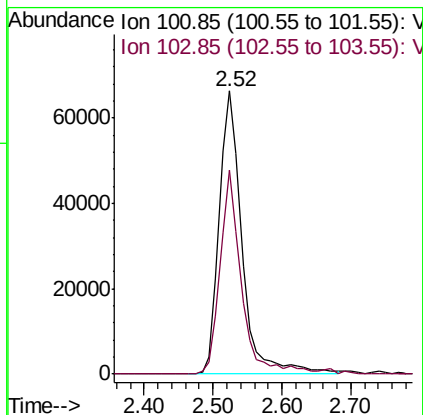
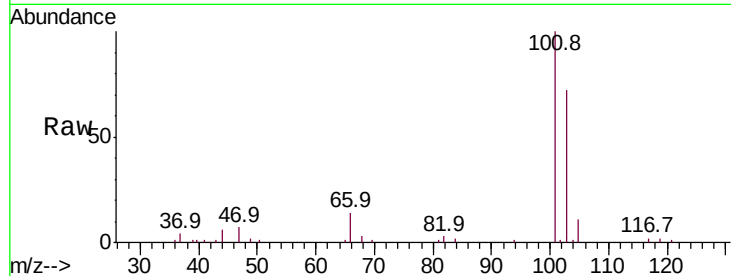


#7

Trichlorofluoromethane
Concen: 19.229 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

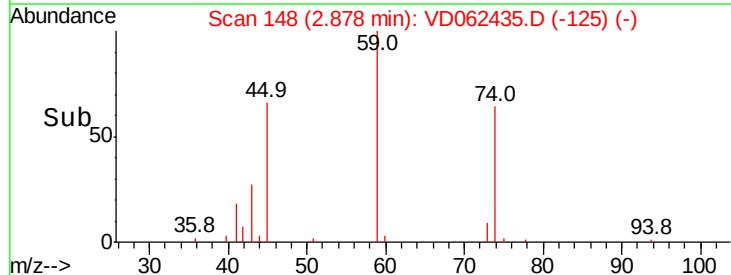
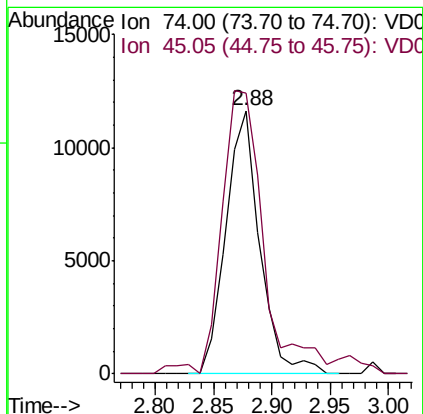
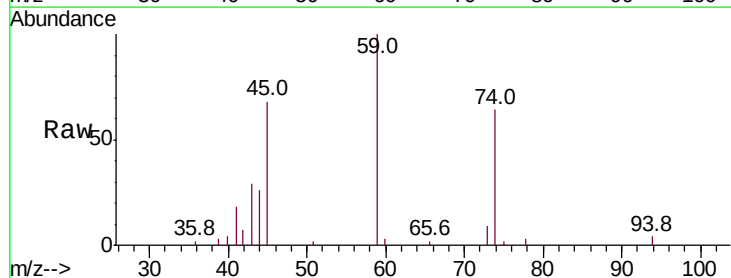
Tot Ion:101 Resp: 153366
Ion Ratio Lower Upper
101 100
103 72.0 53.6 80.4

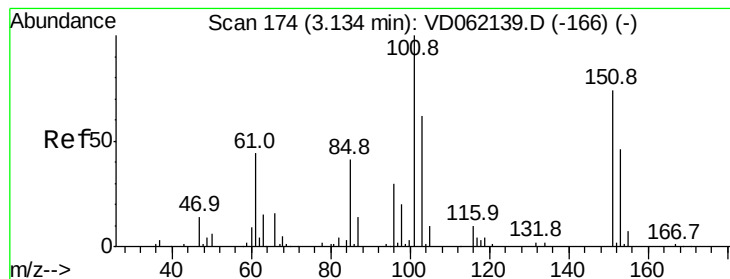


#8

Diethyl Ether
Concen: 15.271 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 74 Resp: 23491
Ion Ratio Lower Upper
74 100
45 106.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.275 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

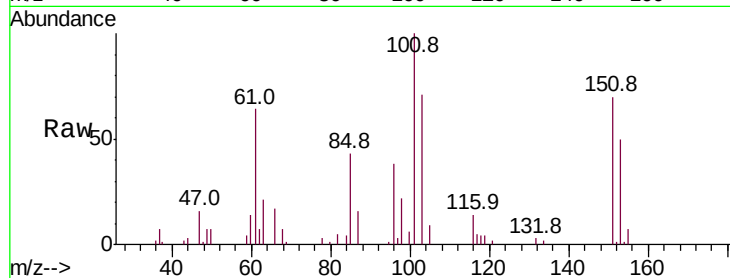
Tot Ion:101 Resp: 104229

Ion Ratio Lower Upper

101 100

85 42.7 32.4 48.6

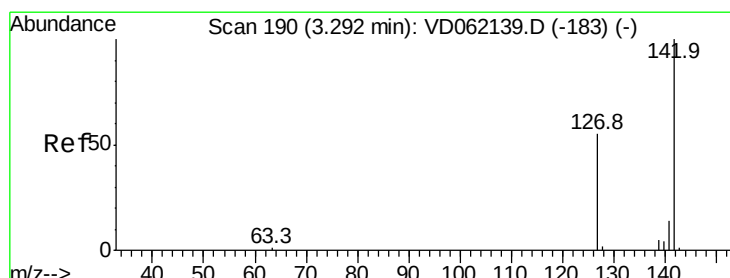
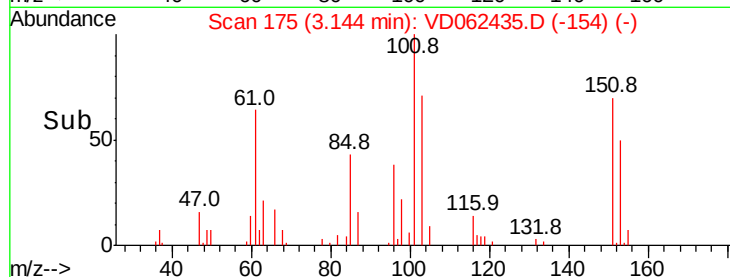
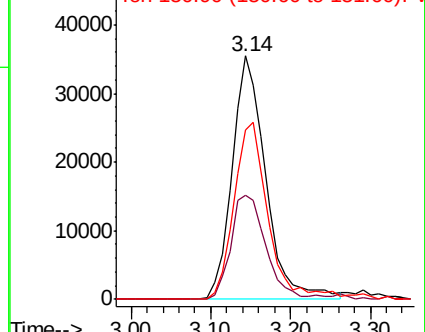
151 69.7 59.4 89.0



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: 12.657 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

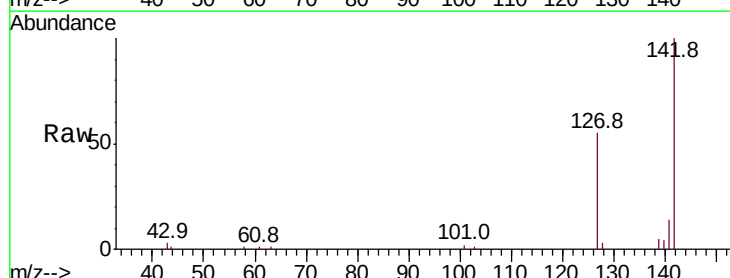
Tgt Ion:142 Resp: 115421

Ion Ratio Lower Upper

142 100

127 55.2 38.8 58.2

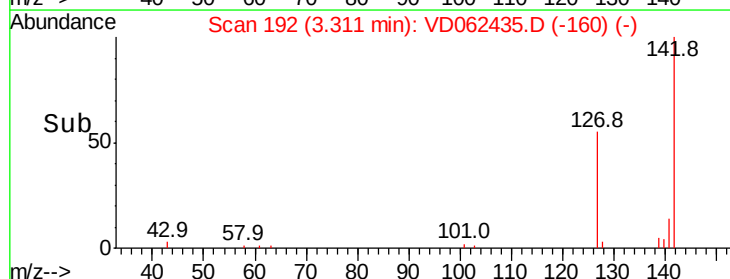
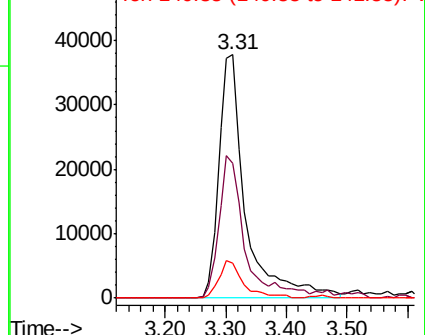
141 14.4 11.4 17.0

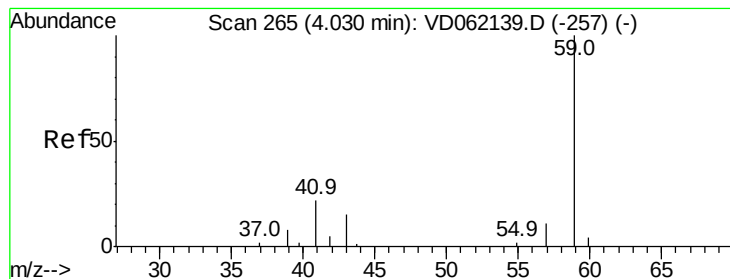


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 84.440 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.06 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

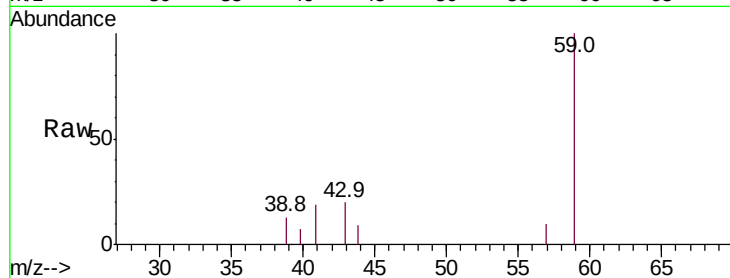
VD0517SBSD01

Tot Ion: 59 Resp: 24195

Ion Ratio Lower Upper

59 100

57 10.3 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

10000

8000

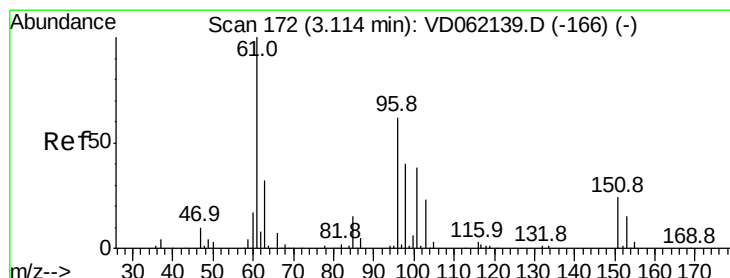
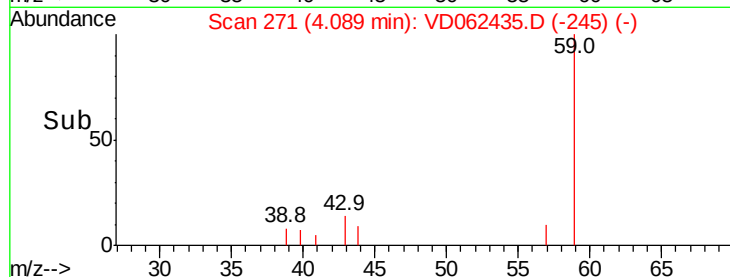
6000

4000

2000

0

Time-->



#12

1,1-Dichloroethene

Concen: 14.782 ug/l

RT: 3.12 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

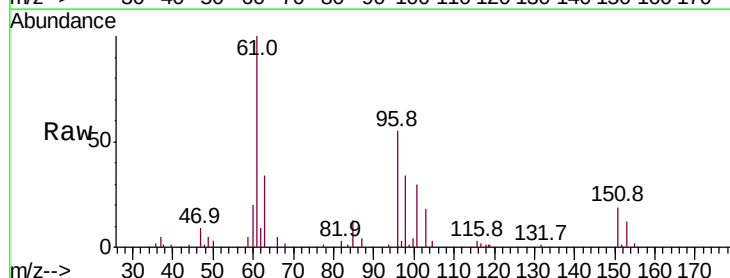
Tgt Ion: 96 Resp: 68081

Ion Ratio Lower Upper

96 100

61 182.4 129.8 194.8

98 61.1 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

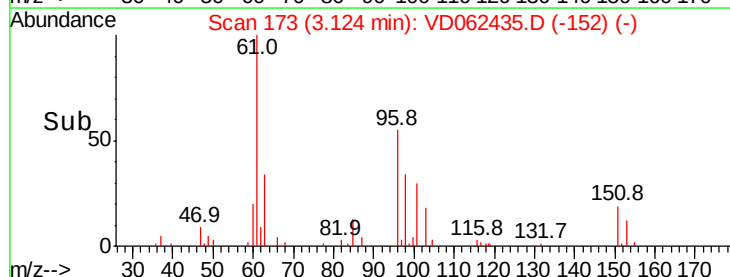
60000

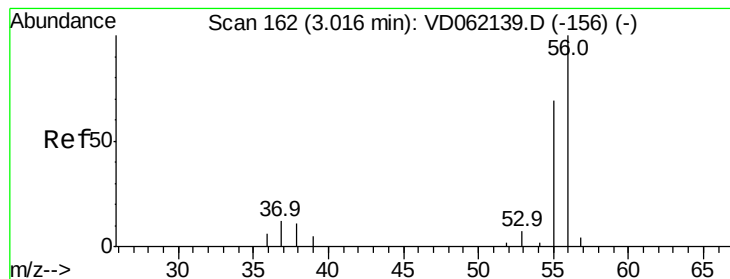
40000

20000

0

Time-->





#13

Acrolein

Concen: 59.177 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

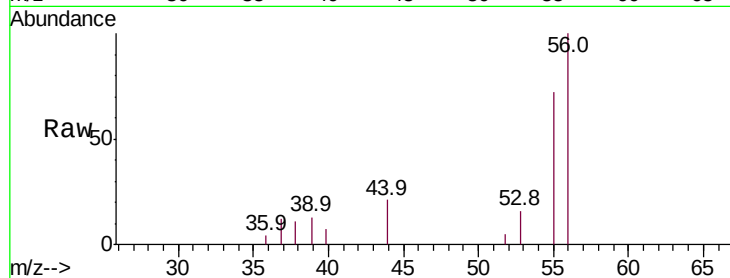
VD0517SBS01

Tot Ion: 56 Resp: 17538

Ion Ratio Lower Upper

56 100

55 72.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

4000

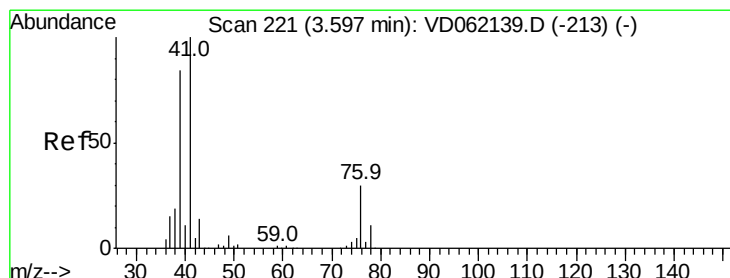
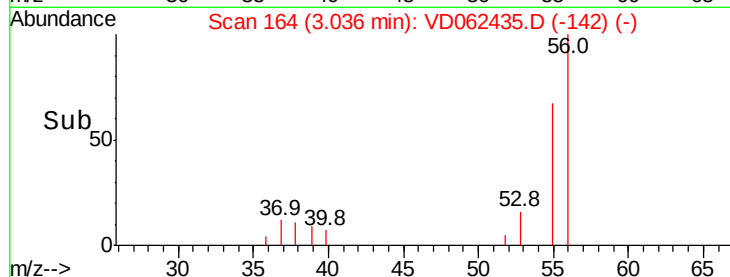
2000

0

Time-->

2.95 3.00 3.05 3.10 3.15

3.04



#14

Allyl chloride

Concen: 16.709 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

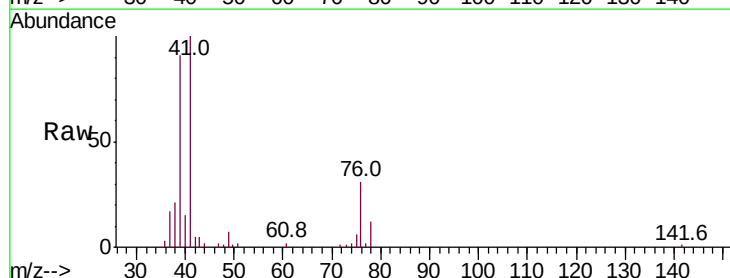
Tgt Ion: 41 Resp: 111896

Ion Ratio Lower Upper

41 100

39 91.2 60.5 90.7#

76 31.0 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

50000

40000

30000

20000

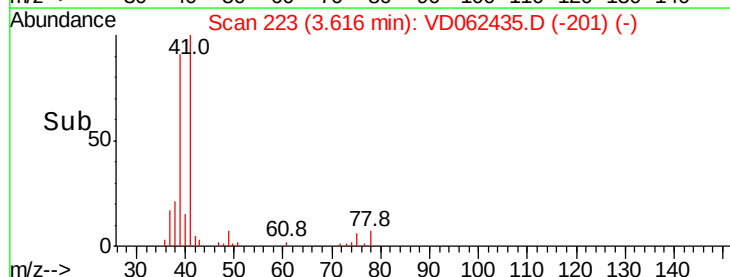
10000

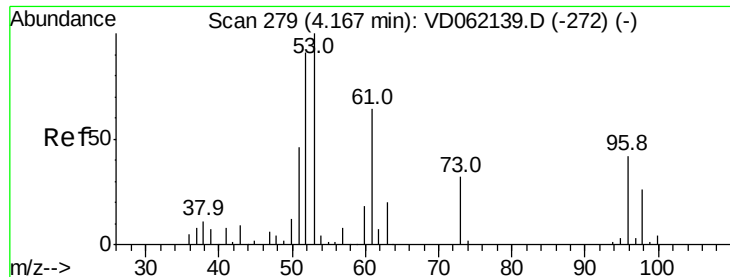
0

Time-->

3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 82.884 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

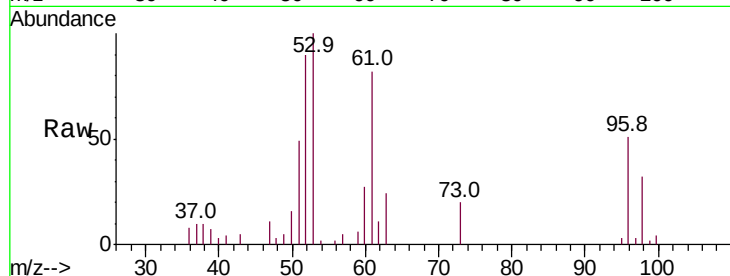
Tot Ion: 53 Resp: 62424

Ion Ratio Lower Upper

53 100

52 89.6 65.0 97.4

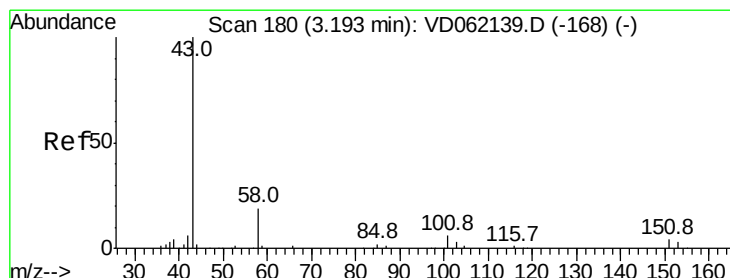
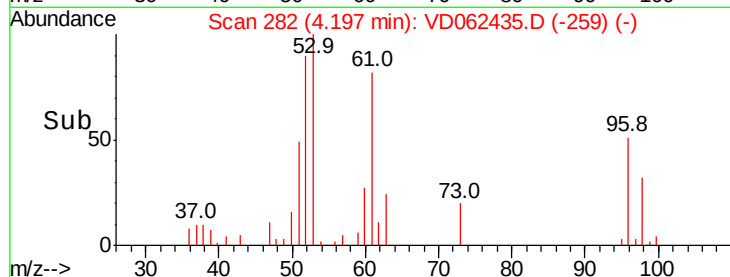
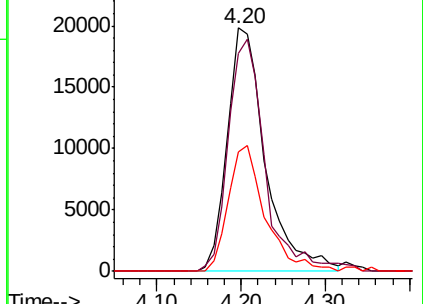
51 49.0 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 101.782 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062435.D

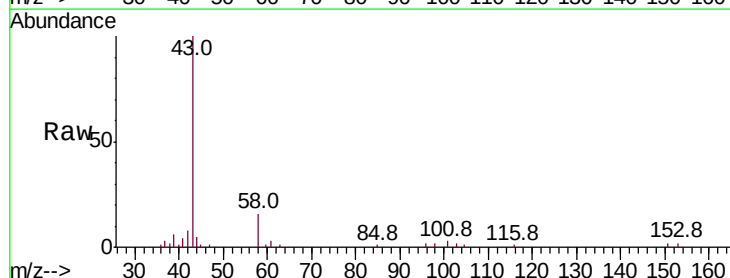
Acq: 17 May 2019 13:16

Tgt Ion: 43 Resp: 119817

Ion Ratio Lower Upper

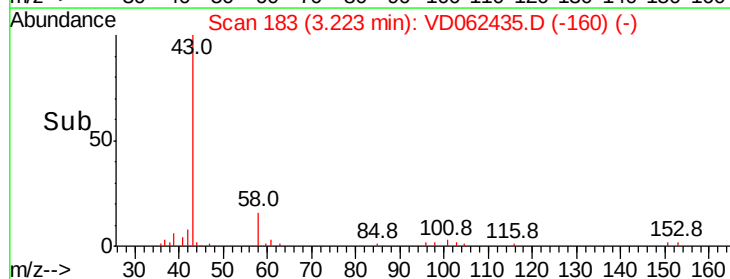
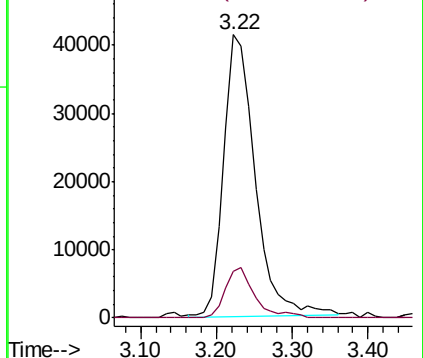
43 100

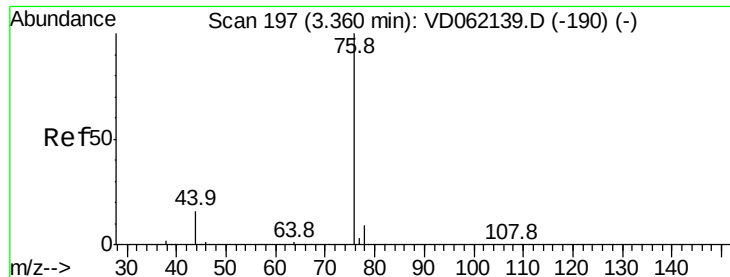
58 16.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 12.769 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

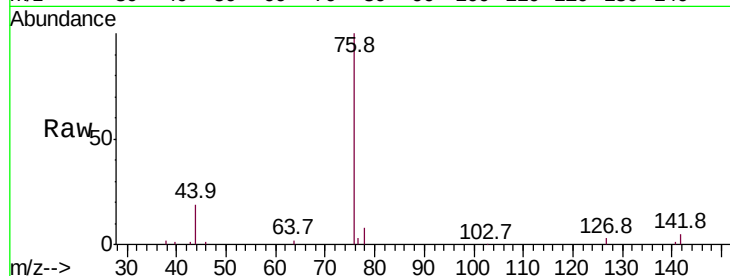
VD0517SBS01

Tot Ion: 76 Resp: 169173

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

60000

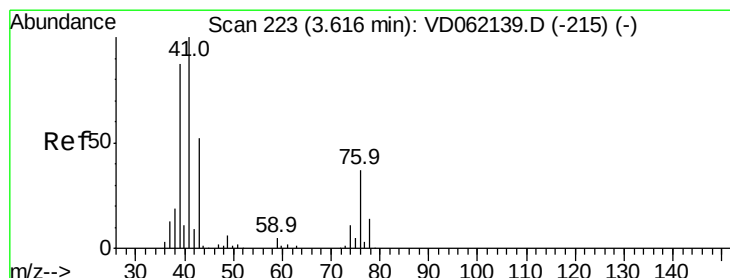
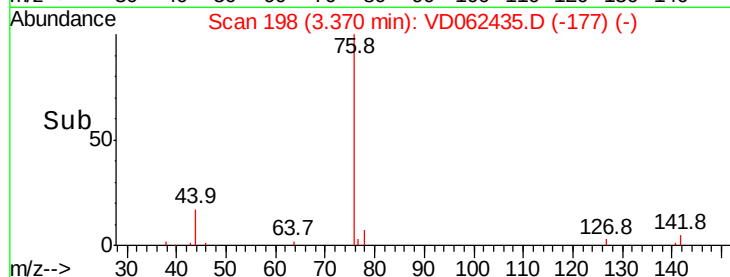
40000

20000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 18.000 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062435.D

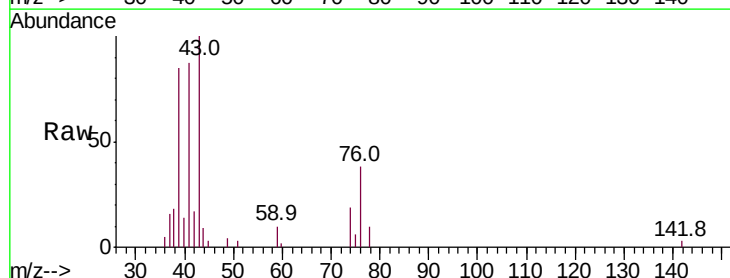
Acq: 17 May 2019 13:16

Tgt Ion: 43 Resp: 38307

Ion Ratio Lower Upper

43 100

74 18.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

15000

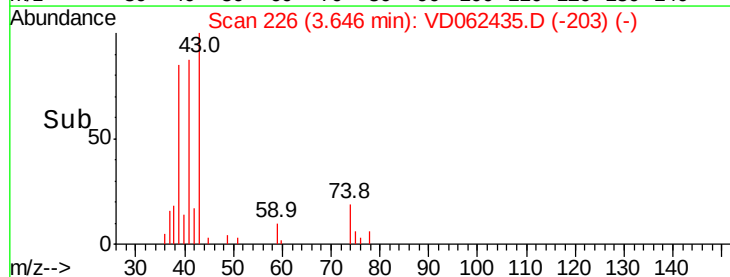
10000

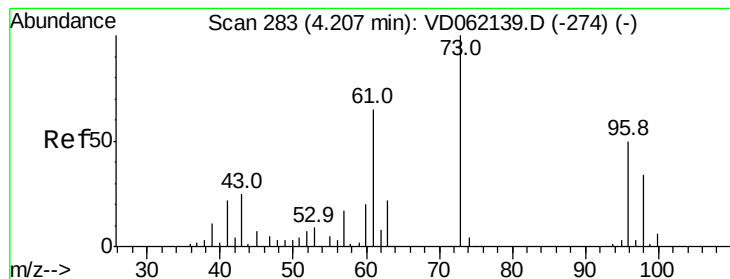
5000

0

Time-->

3.50 3.60 3.70 3.80



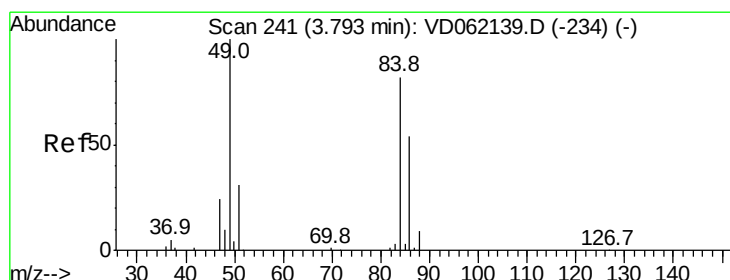
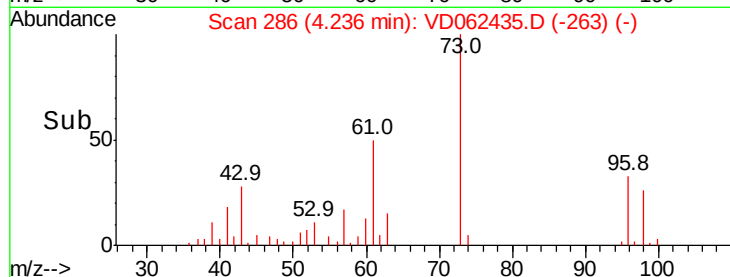
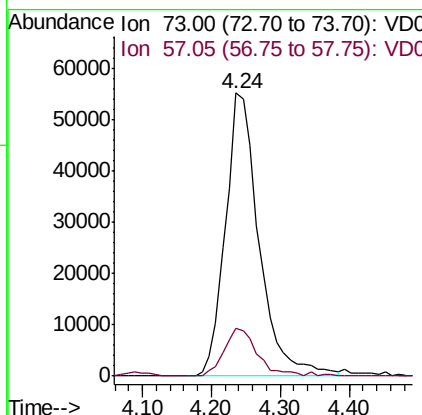
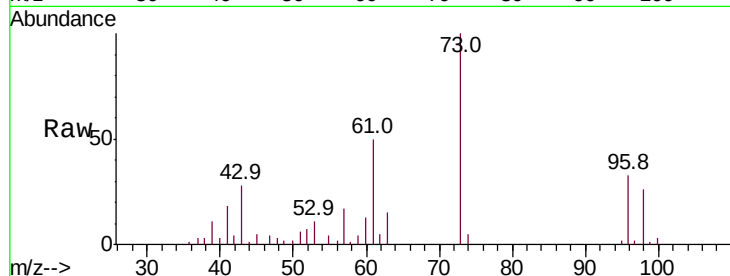


#19

Methyl tert-butyl Ether
 Concen: 18.910 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

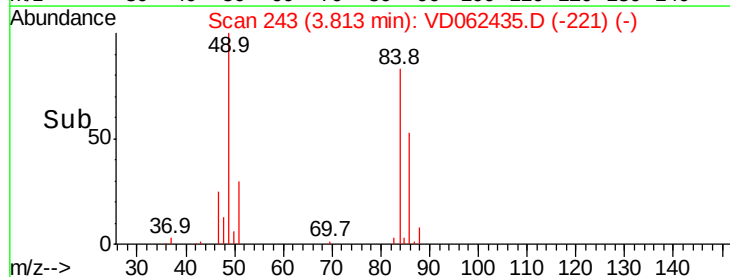
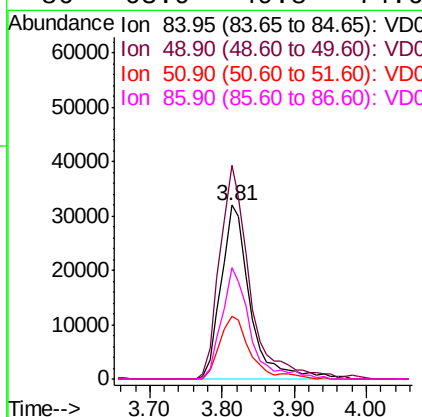
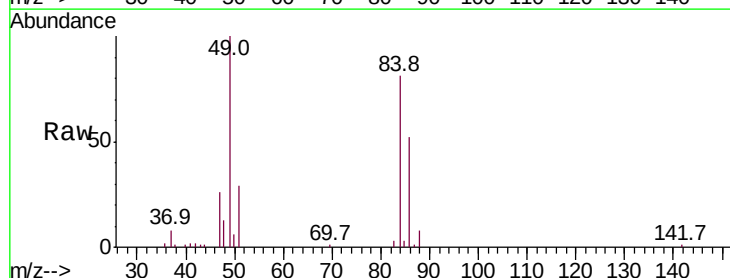
Tot Ion: 73 Resp: 186683
 Ion Ratio Lower Upper
 73 100
 57 16.8 16.3 24.5

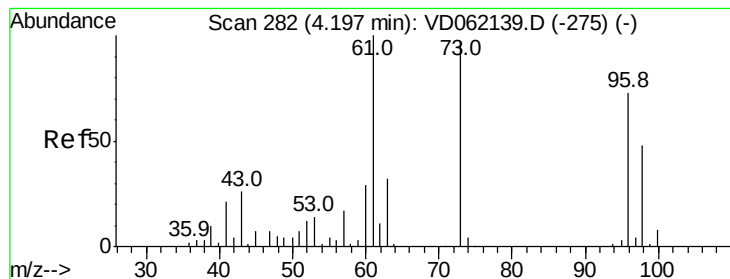


#20

Methylene Chloride
 Concen: 18.123 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 84 Resp: 89077
 Ion Ratio Lower Upper
 84 100
 49 123.0 94.0 141.0
 51 36.0 29.0 43.4
 86 63.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 15.944 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

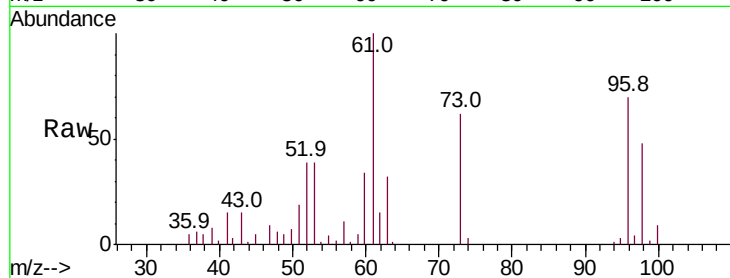
Tot Ion: 96 Resp: 81714

Ion Ratio Lower Upper

96 100

61 141.9 104.4 156.6

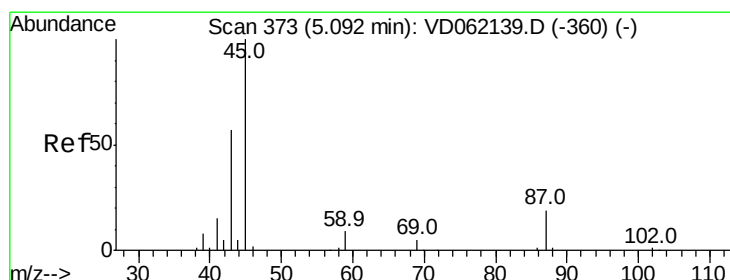
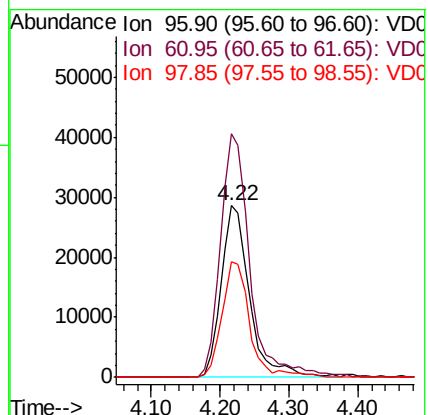
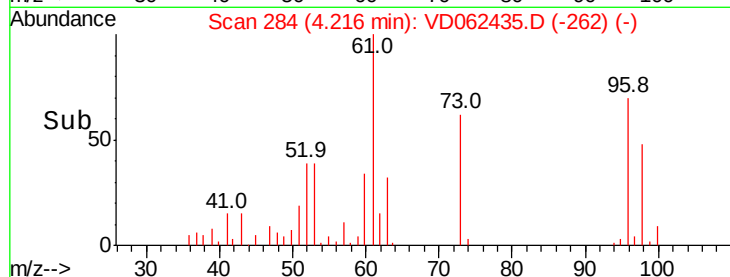
98 67.7 51.8 77.8



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: 17.637 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Tgt Ion: 45 Resp: 251343

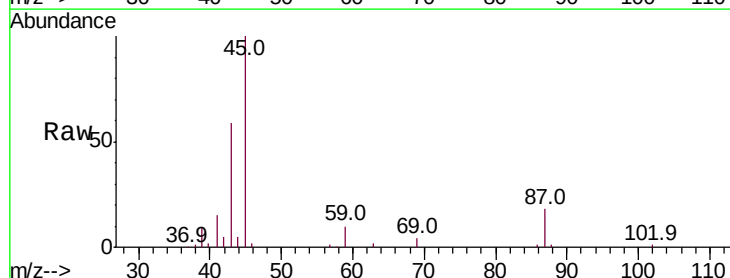
Ion Ratio Lower Upper

45 100

43 59.3 46.2 69.2

87 18.3 15.9 23.9

59 9.5 7.9 11.9

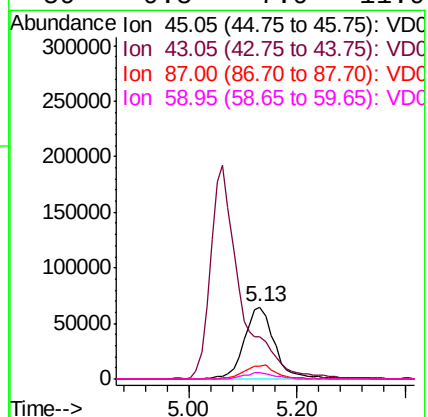
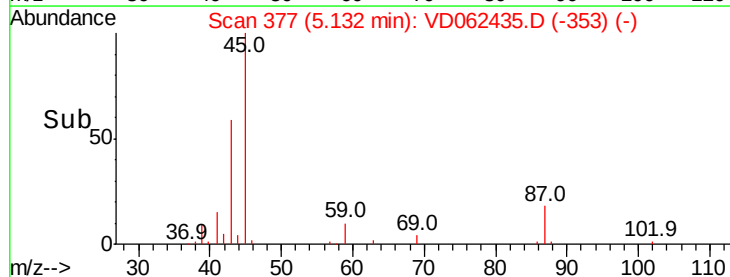


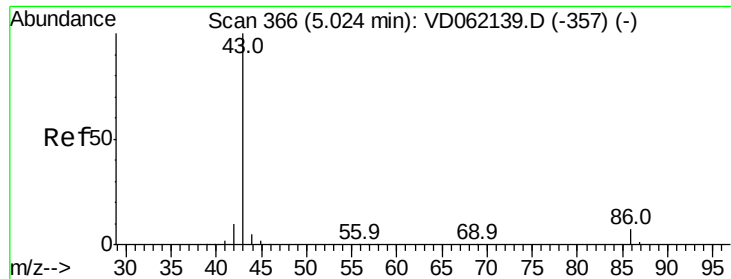
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

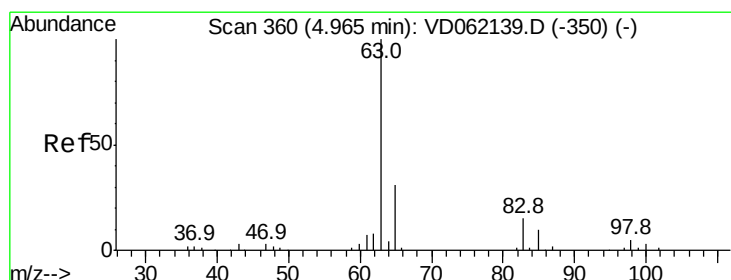
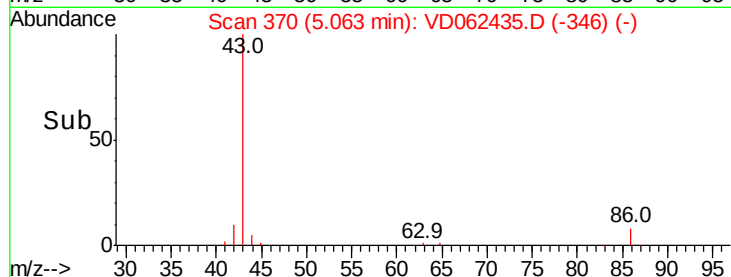
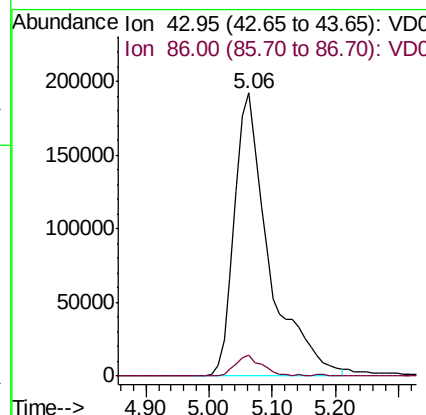
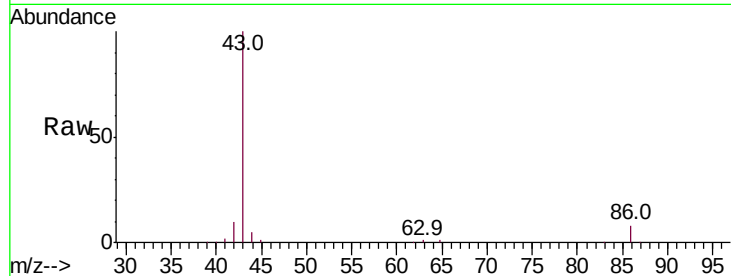




#23
 Vinyl Acetate
 Concen: 96.910 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.04 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

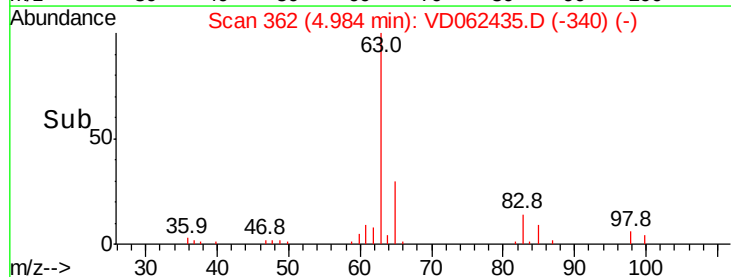
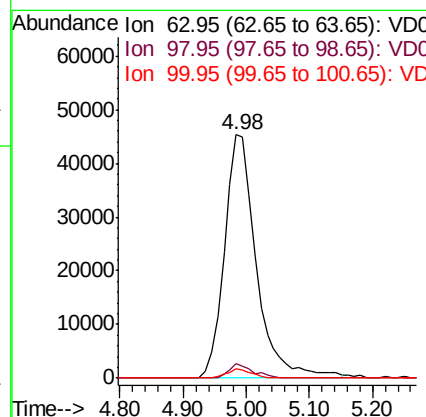
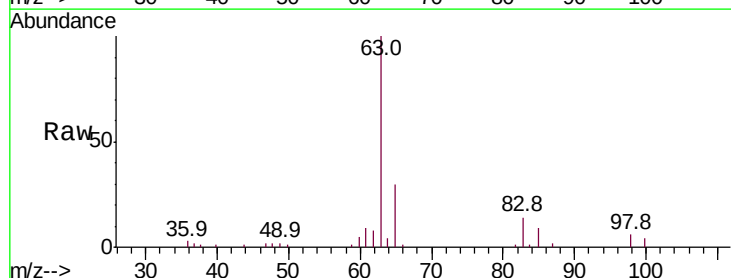
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

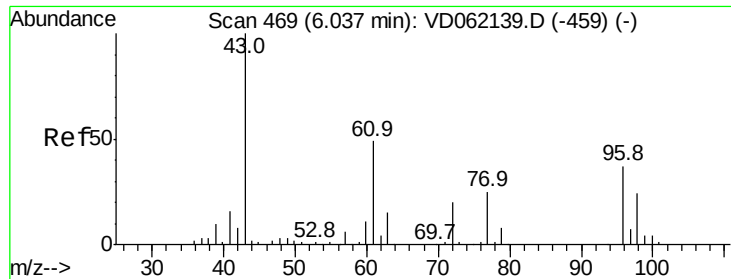
Tot Ion: 43 Resp: 728634
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 18.439 ug/l
 RT: 4.98 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 63 Resp: 158519
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 99.942 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

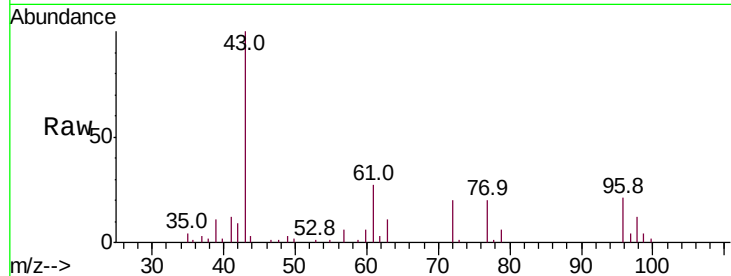
VD0517SBS01

Tot Ion: 43 Resp: 128330

Ion Ratio Lower Upper

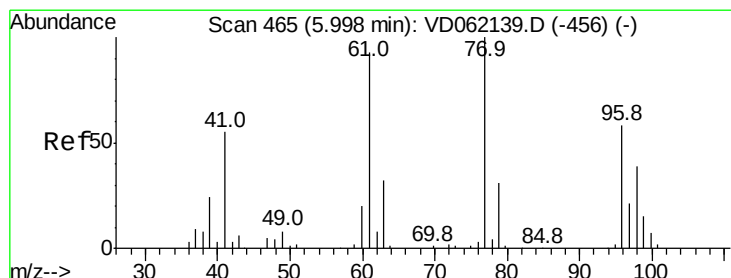
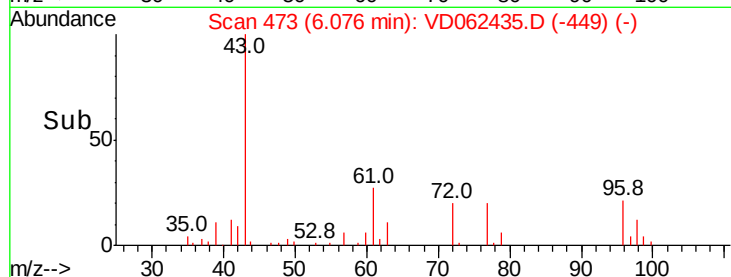
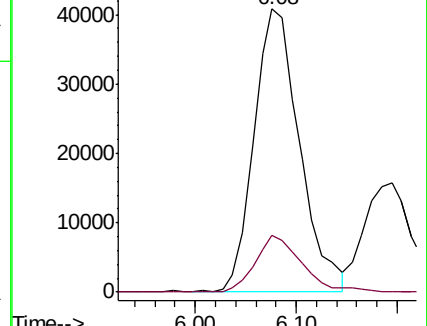
43 100

72 20.1 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: 20.571 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062435.D

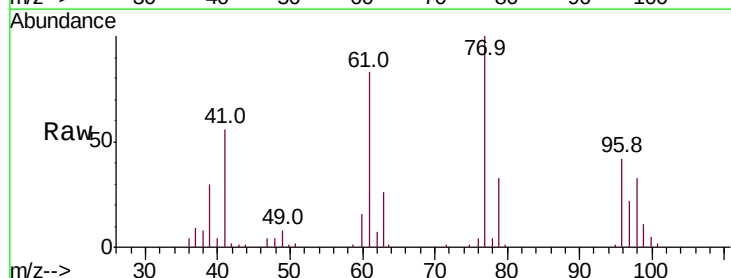
Acq: 17 May 2019 13:16

Tgt Ion: 77 Resp: 176161

Ion Ratio Lower Upper

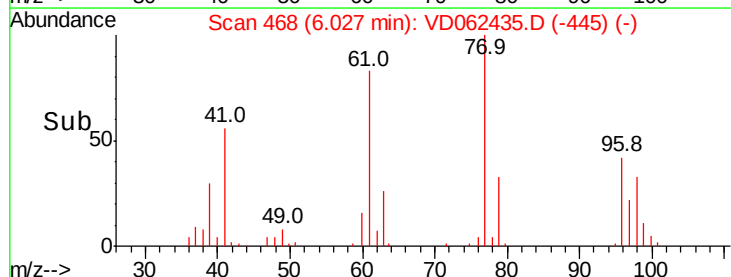
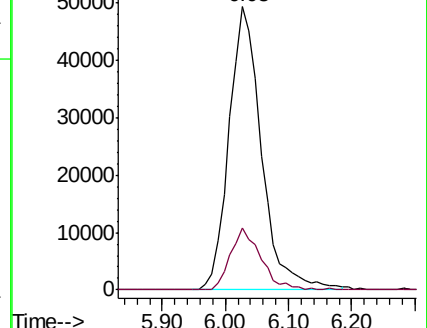
77 100

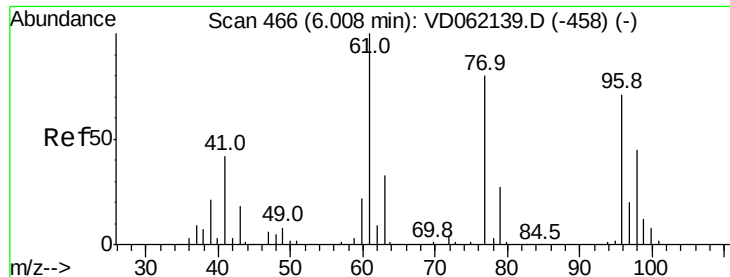
97 22.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



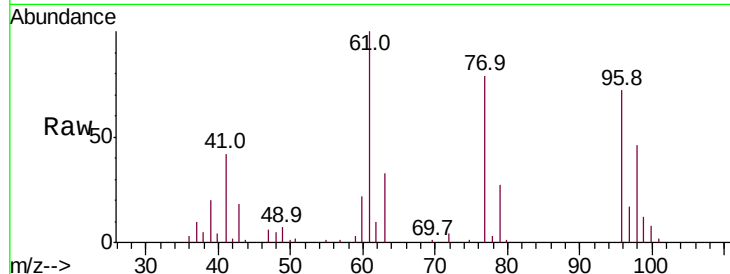


#27

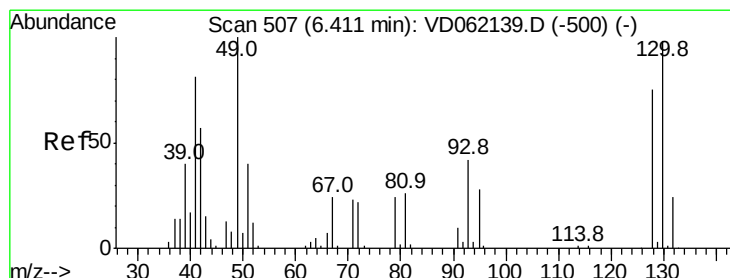
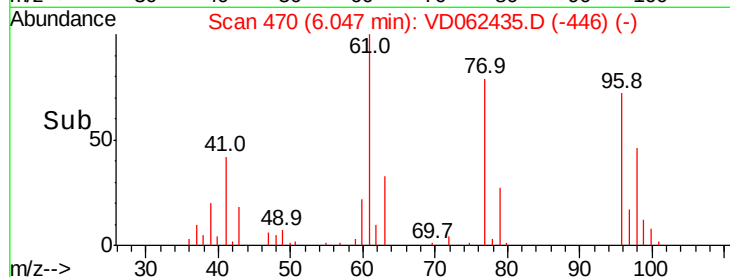
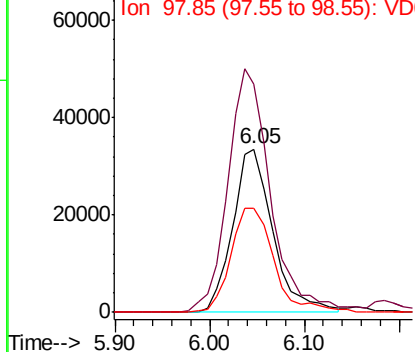
cis-1,2-Dichloroethene
Concen: 17.231 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion: 96 Resp: 98851
Ion Ratio Lower Upper
96 100
61 139.5 0.0 279.8
98 63.7 0.0 136.0



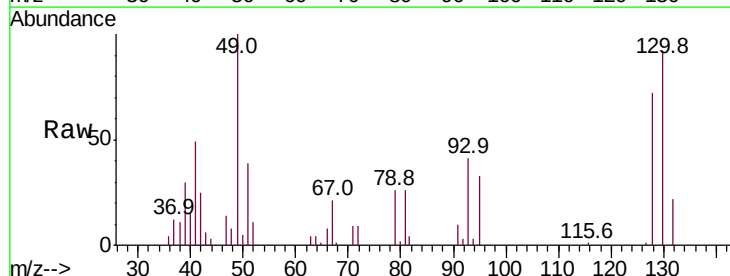
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



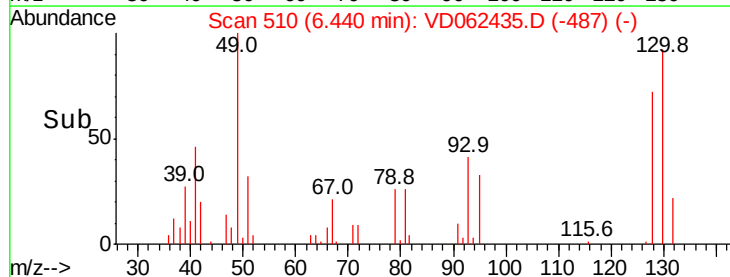
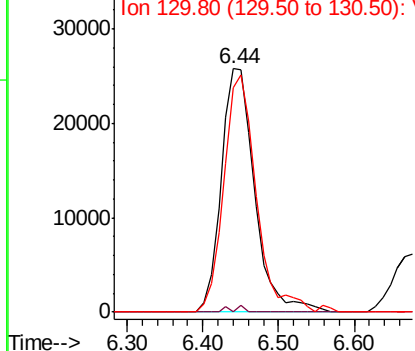
#28

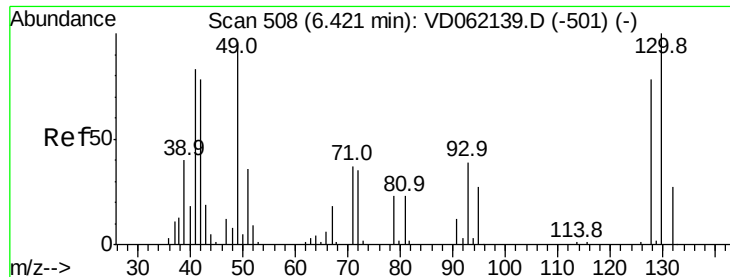
Bromochloromethane
Concen: 23.270 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 49 Resp: 78706
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 92.4 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

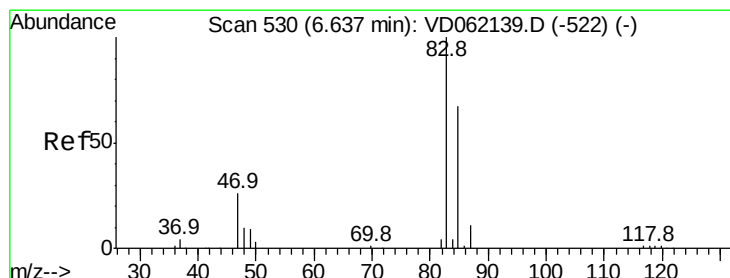
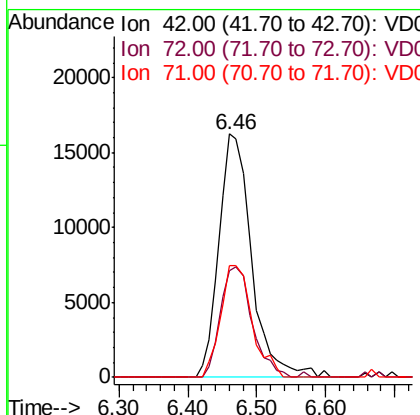
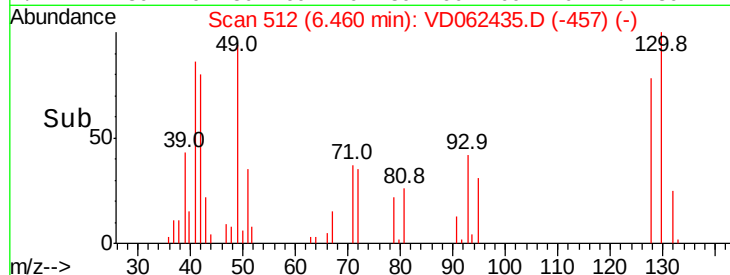
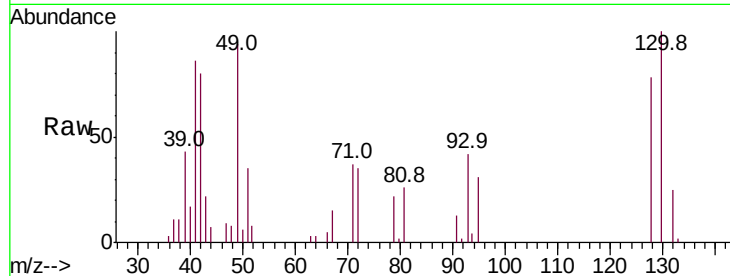




#29
Tetrahydrofuran
Concen: 90.367 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

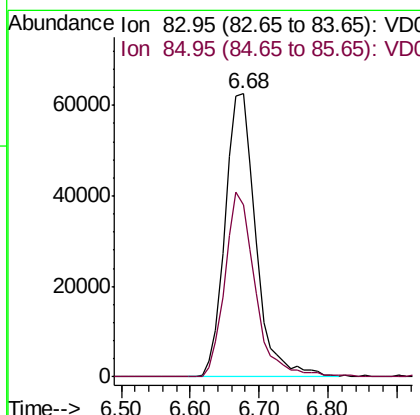
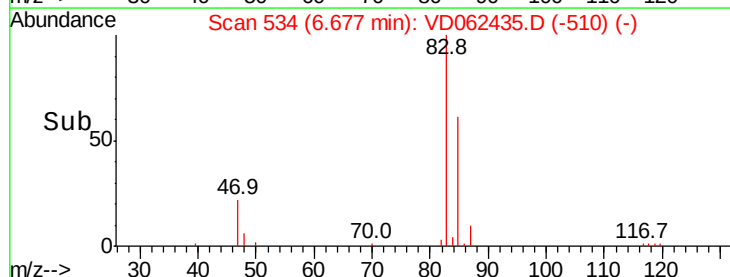
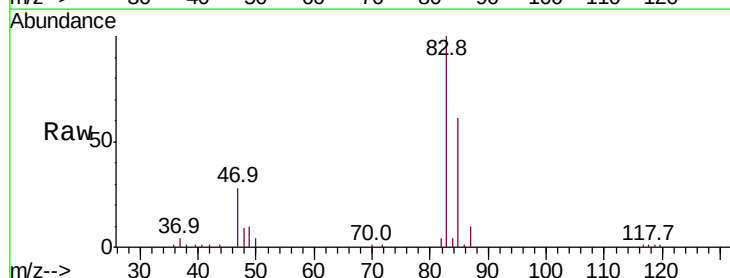
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

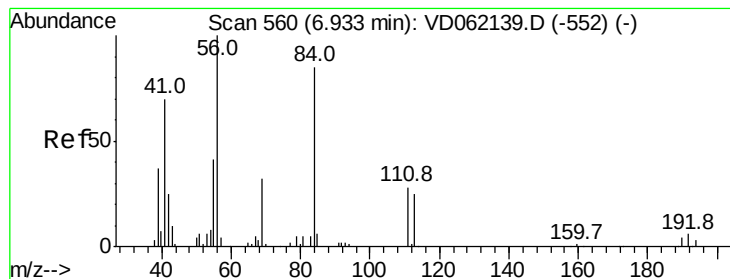
Tot Ion: 42 Resp: 53464
Ion Ratio Lower Upper
42 100
72 43.8 37.8 56.6
71 44.1 36.7 55.1



#30
Chloroform
Concen: 18.673 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 83 Resp: 193460
Ion Ratio Lower Upper
83 100
85 60.7 51.7 77.5





#31

Cyclohexane

Concen: 15.430 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

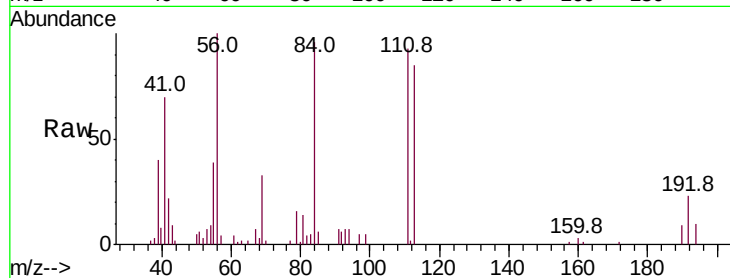
Tot Ion: 56 Resp: 90879

Ion Ratio Lower Upper

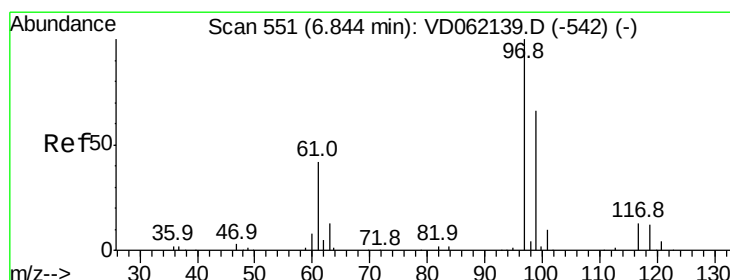
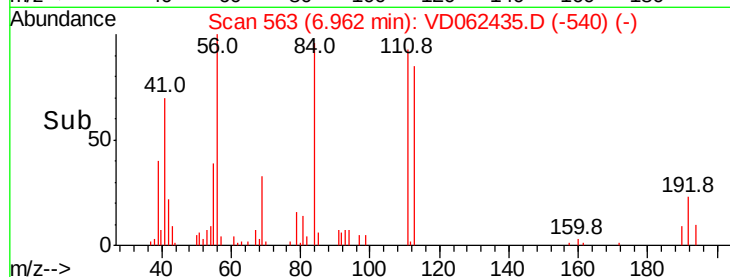
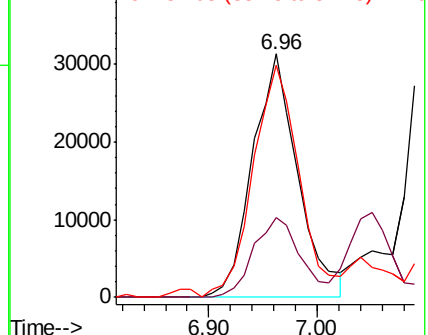
56 100

69 32.7 25.8 38.6

84 95.5 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: 19.437 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

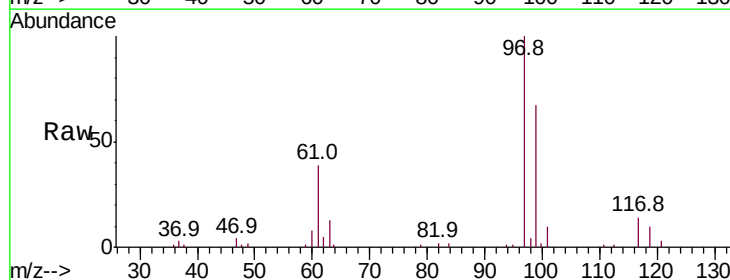
Tgt Ion: 97 Resp: 190338

Ion Ratio Lower Upper

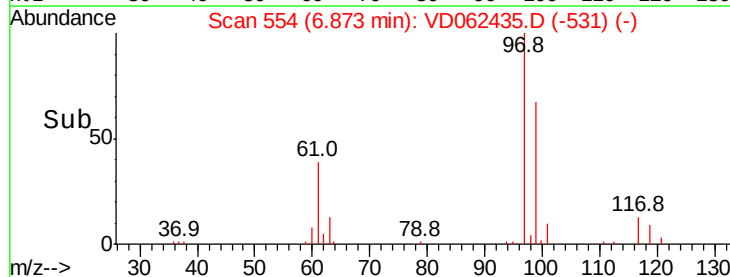
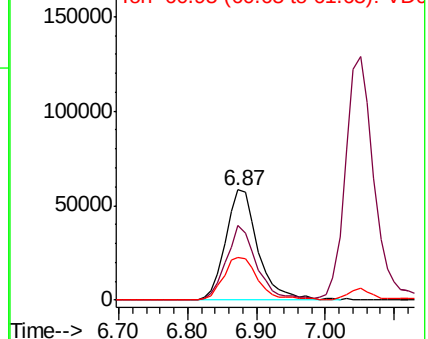
97 100

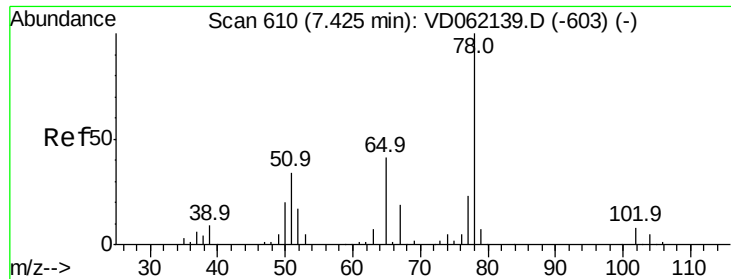
99 67.2 52.2 78.2

61 38.7 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

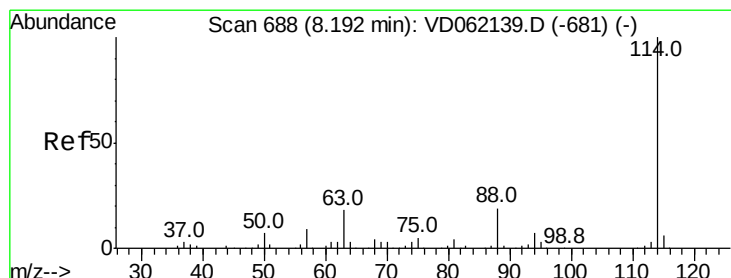
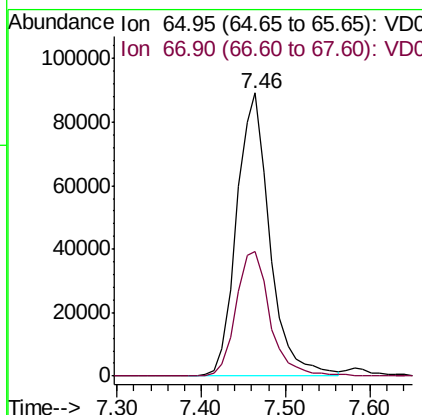
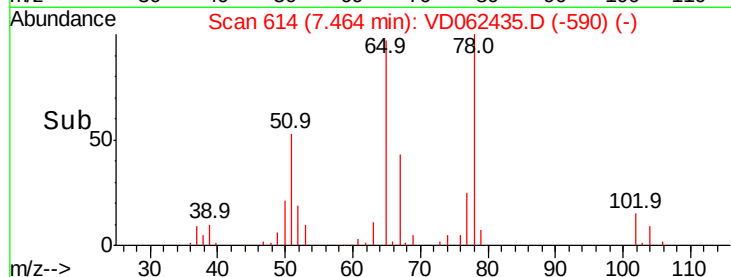
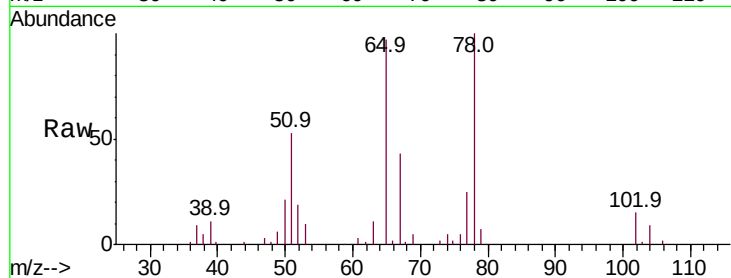




#33
 1,2-Dichloroethane-d4
 Concen: 43.460 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

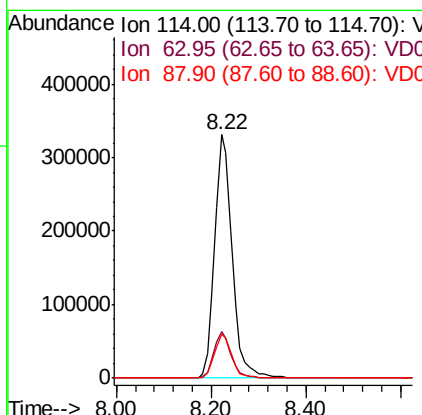
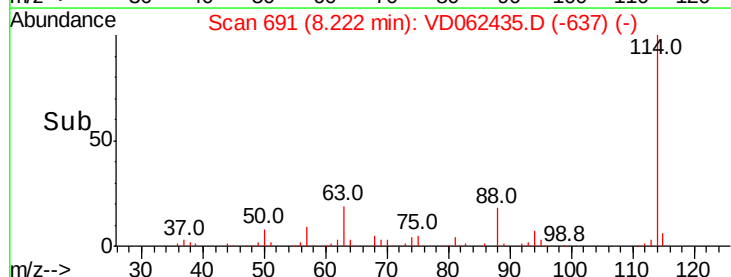
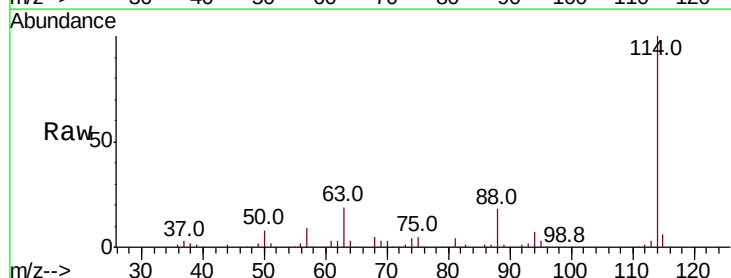
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

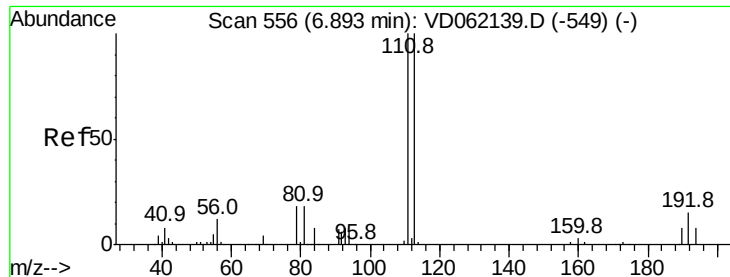
Tot Ion: 65 Resp: 243962
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 114 Resp: 848225
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 32.4
 88 18.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 41.508 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

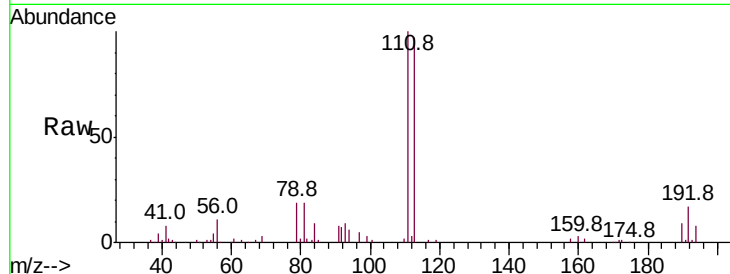
Tot Ion:113 Resp: 292127

Ion Ratio Lower Upper

113 100

111 102.9 78.5 117.7

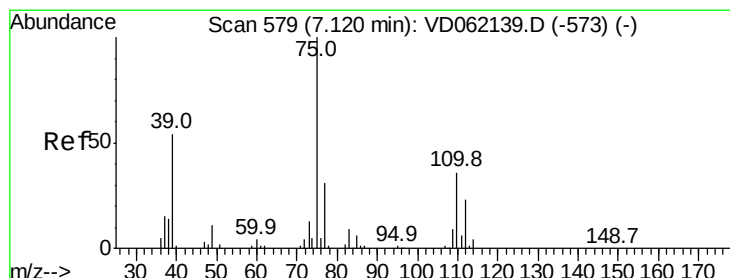
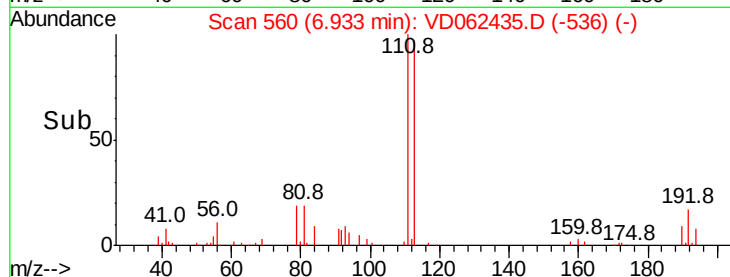
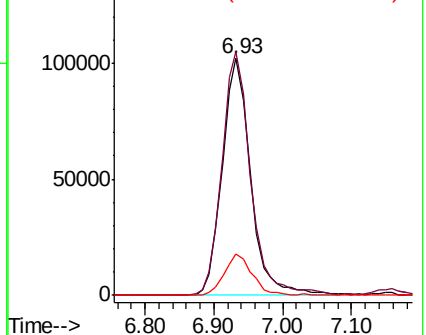
192 17.5 13.0 19.4



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: 18.024 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

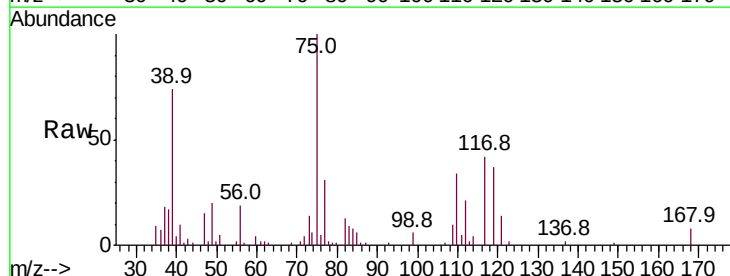
Tgt Ion: 75 Resp: 125348

Ion Ratio Lower Upper

75 100

110 34.0 19.1 57.1

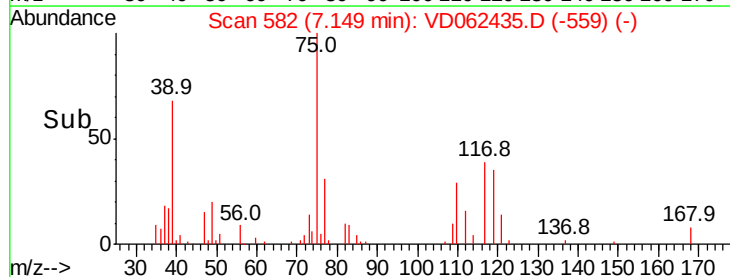
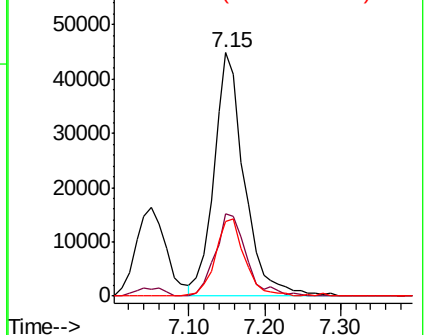
77 30.6 25.6 38.4

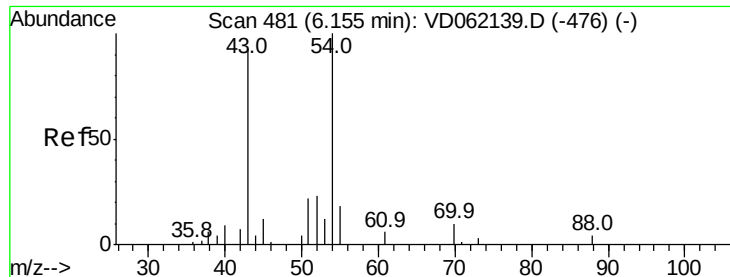


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

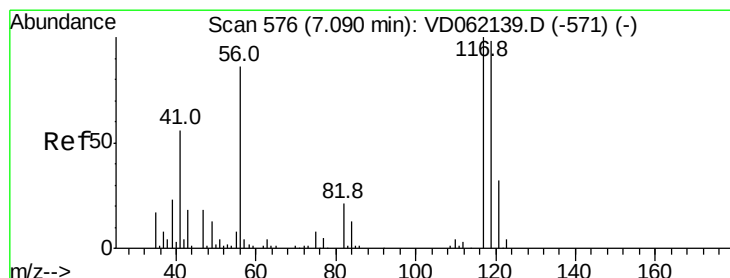
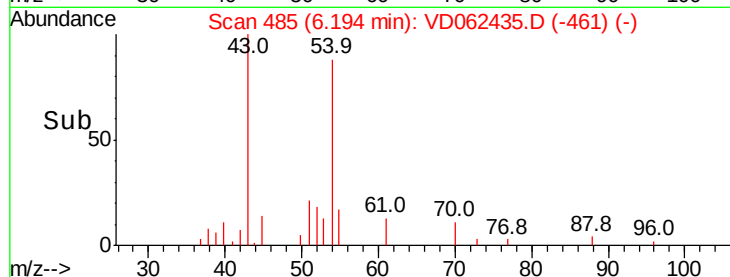
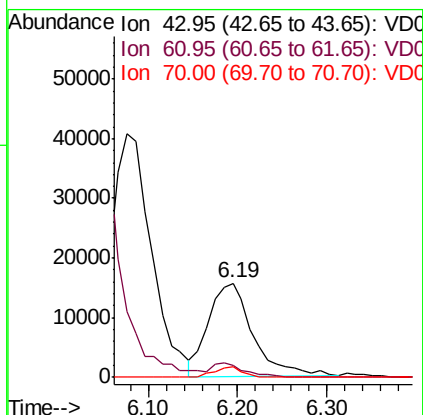
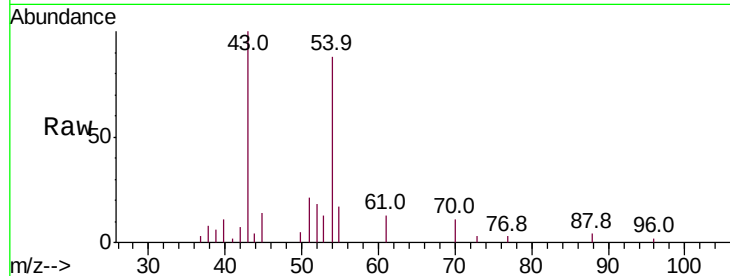




#37
Ethyl Acetate
Concen: 18.278 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

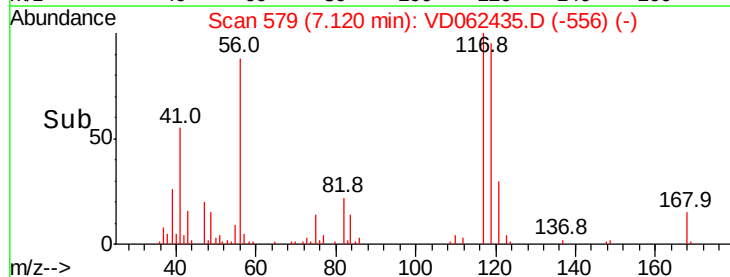
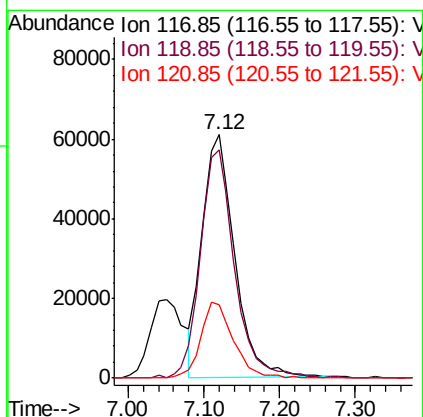
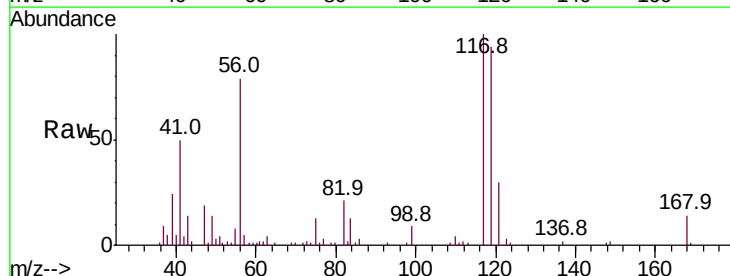
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

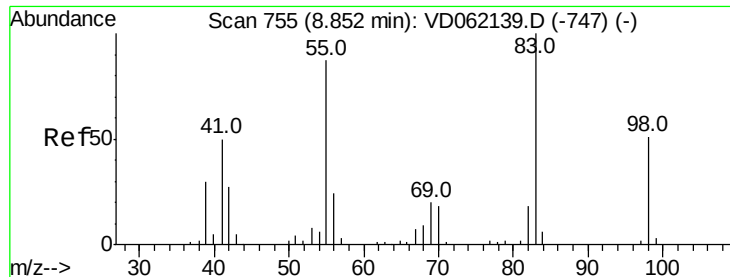
Tot Ion: 43 Resp: 53909
Ion Ratio Lower Upper
43 100
61 12.6 14.7 22.1#
70 10.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 18.999 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 117 Resp: 182877
Ion Ratio Lower Upper
117 100
119 93.7 75.8 113.8
121 30.1 25.9 38.9

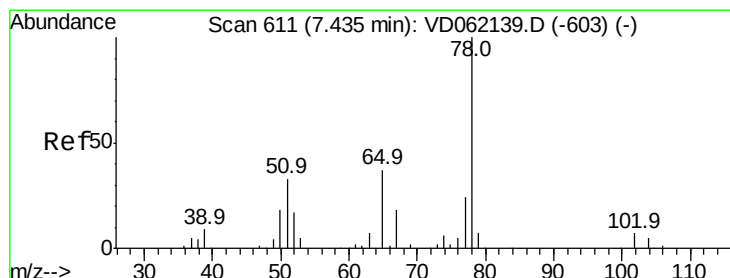
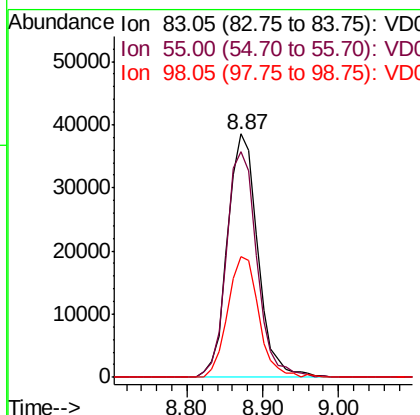
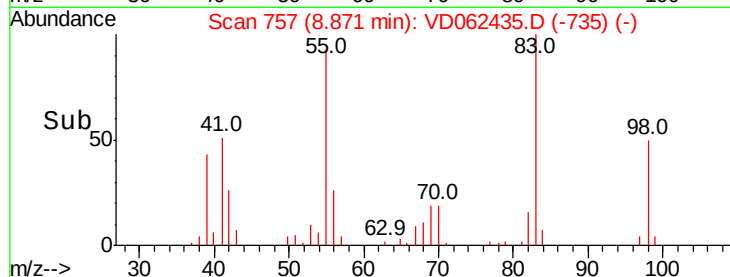
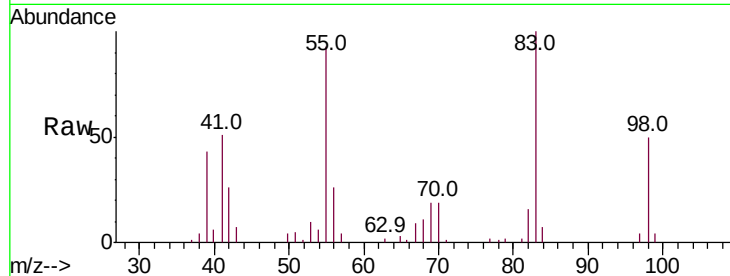




#39
Methylvlcyclohexane
Concen: 15.994 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

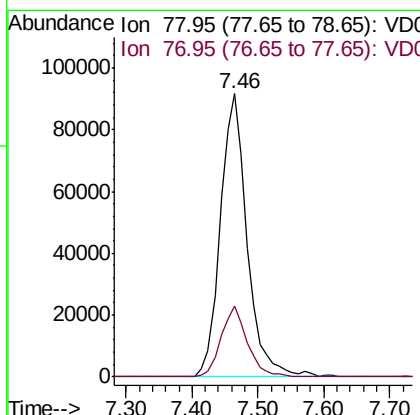
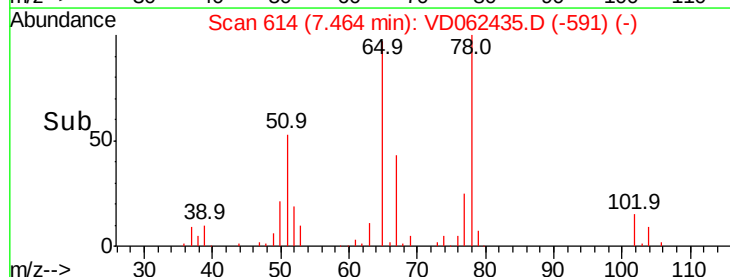
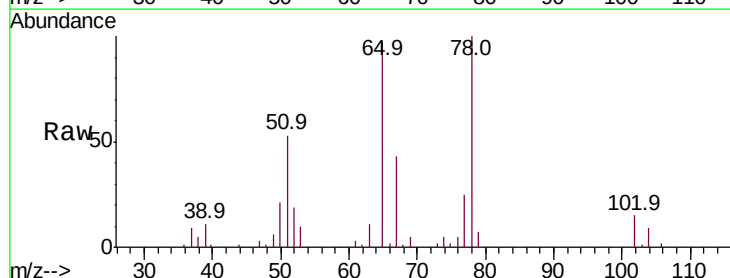
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

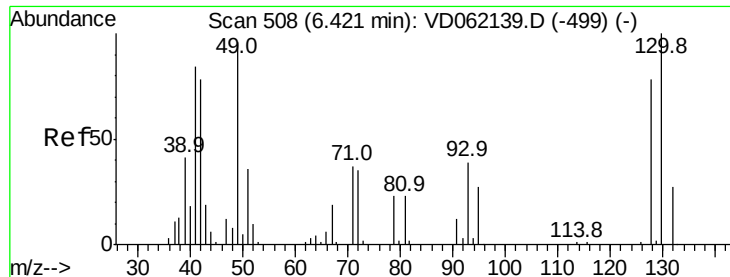
Tot Ion: 83 Resp: 106573
Ion Ratio Lower Upper
83 100
55 92.7 68.2 102.4
98 49.8 38.2 57.4



#40
Benzene
Concen: 16.498 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 78 Resp: 259091
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5

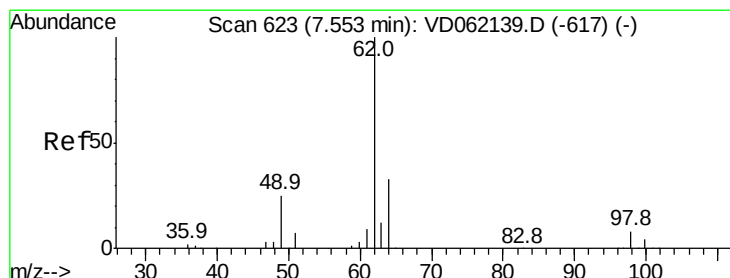
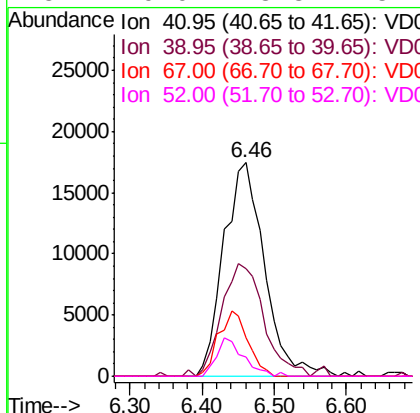
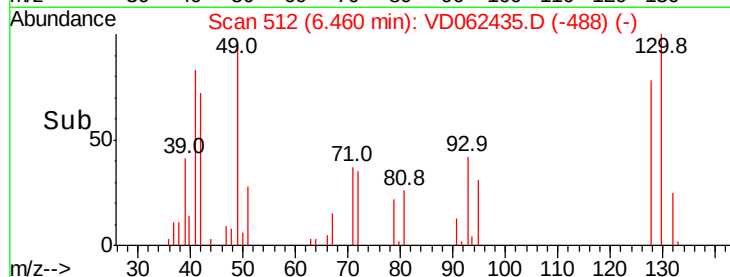
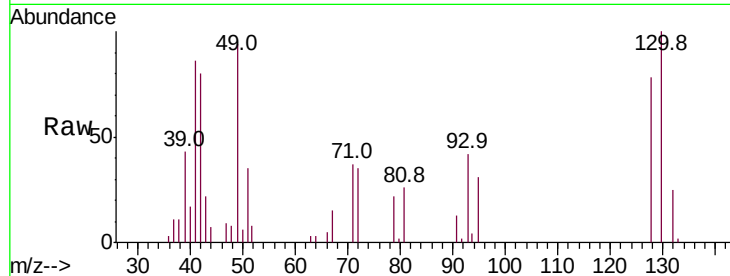




#41
Methacrylonitrile
Concen: 19.025 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

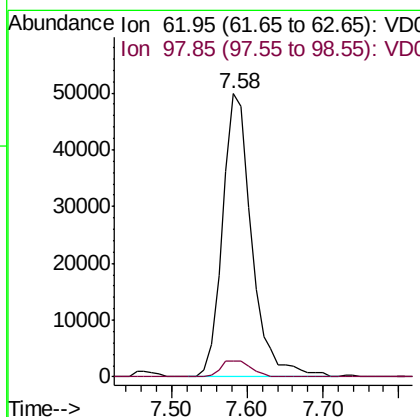
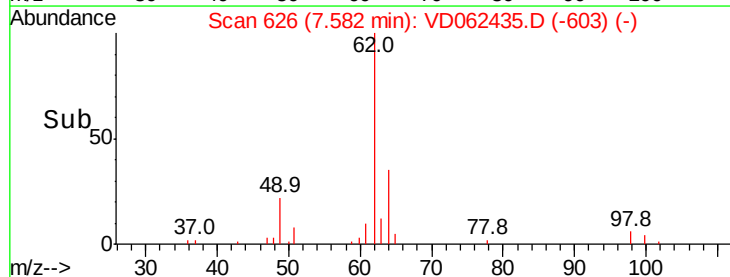
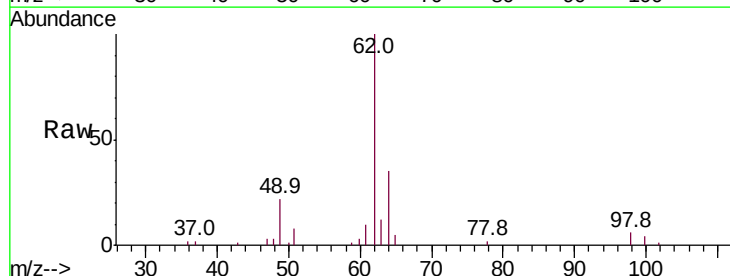
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

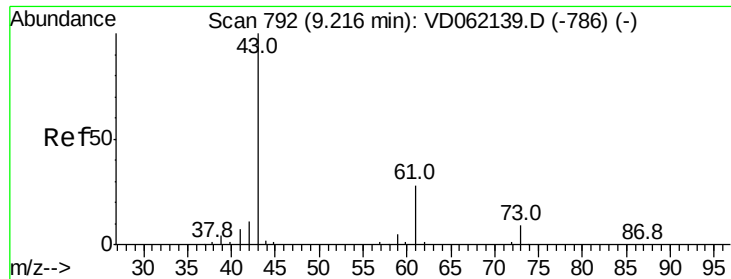
Tot Ion: 41 Resp: 68572
Ion Ratio Lower Upper
41 100
39 50.3 34.1 51.1
67 17.7 23.8 35.6#
52 9.0 8.8 13.2



#42
1,2-Dichloroethane
Concen: 19.955 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 62 Resp: 132776
Ion Ratio Lower Upper
62 100
98 5.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.444 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

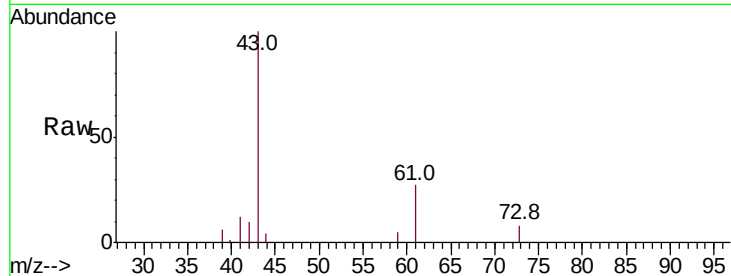
Tot Ion: 43 Resp: 72967

Ion Ratio Lower Upper

43 100

61 27.2 25.1 37.7

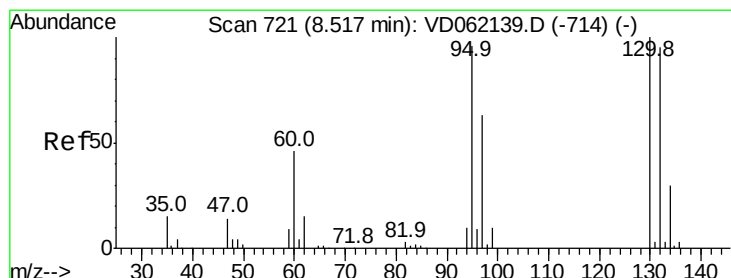
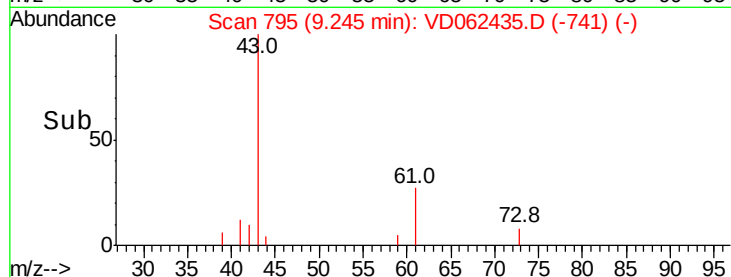
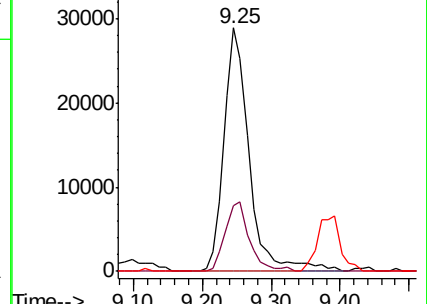
87 0.0 0.0 0.0



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: 16.832 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062435.D

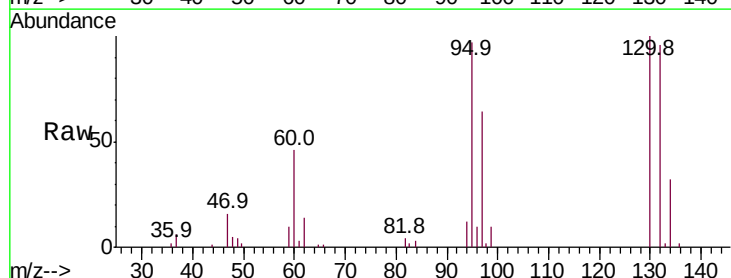
Acq: 17 May 2019 13:16

Tgt Ion: 130 Resp: 100727

Ion Ratio Lower Upper

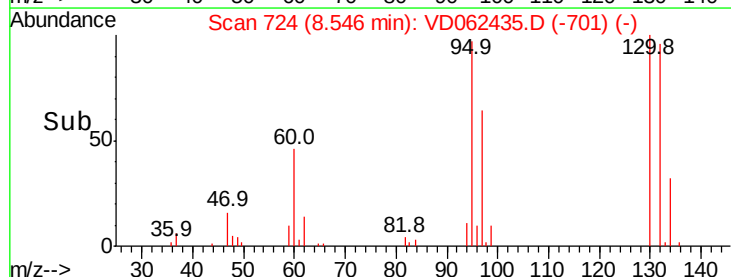
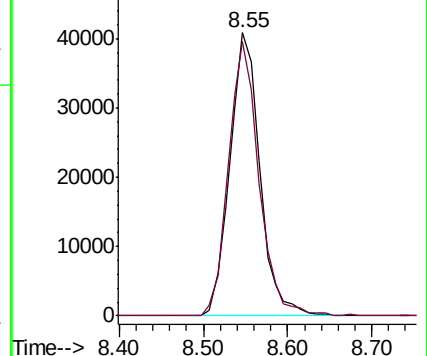
130 100

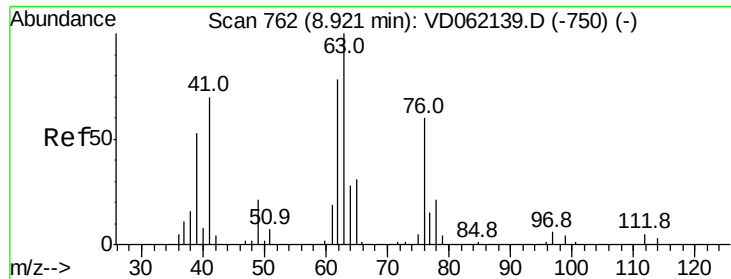
95 97.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

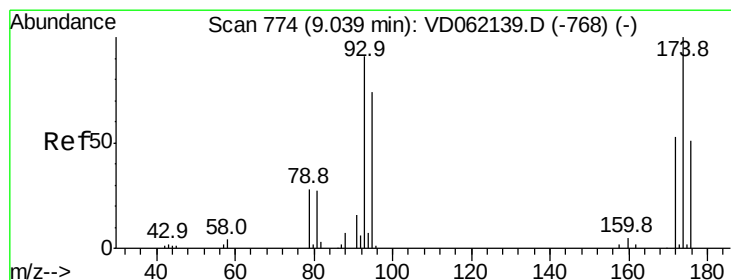
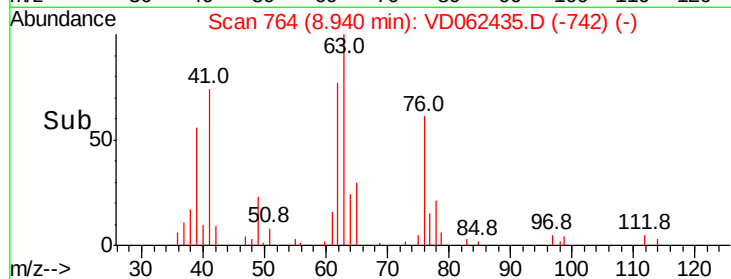
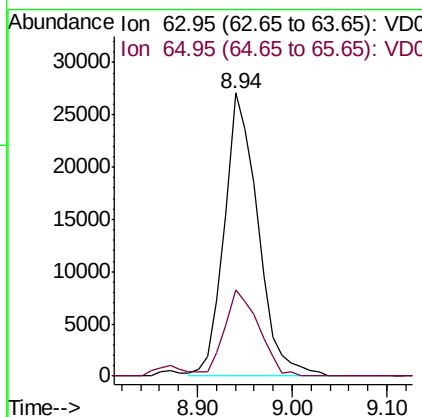
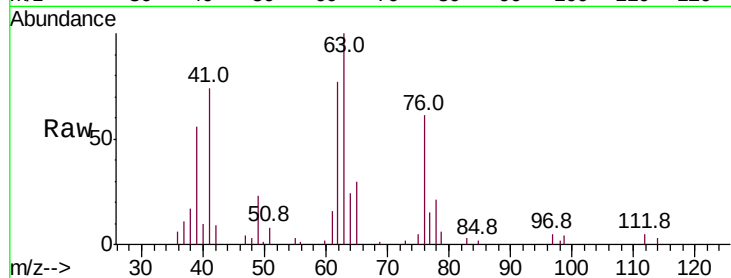




#45
1,2-Dichloropropane
Concen: 17.159 ug/l
RT: 8.94 min Scan# 764
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

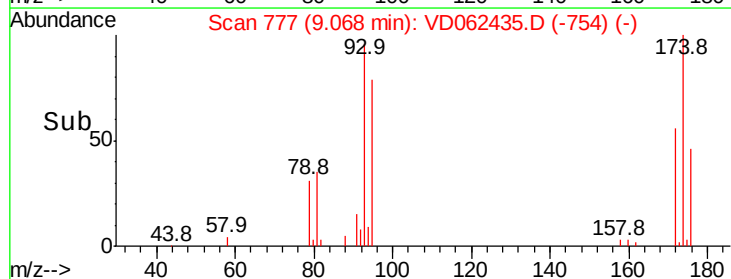
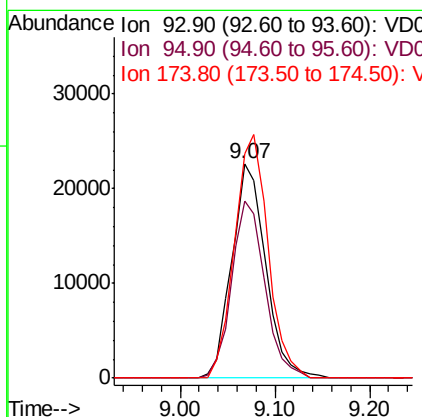
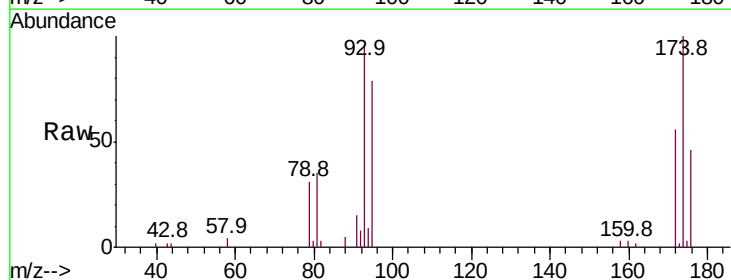
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

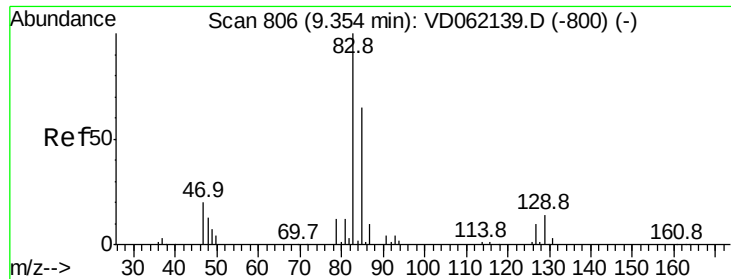
Tot Ion: 63 Resp: 66654
Ion Ratio Lower Upper
63 100
65 30.4 23.8 35.6



#46
Dibromomethane
Concen: 17.768 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 93 Resp: 56127
Ion Ratio Lower Upper
93 100
95 82.4 64.8 97.2
174 104.4 79.3 118.9





#47

Bromodichloromethane

Concen: 19.526 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

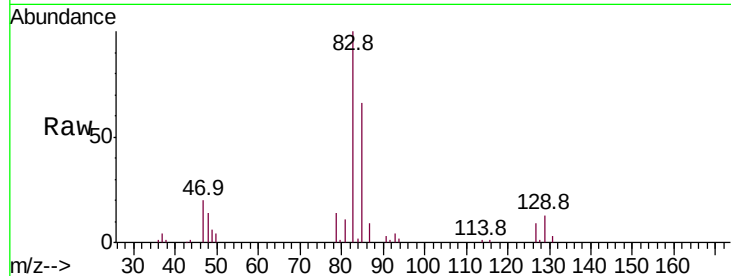
Tot Ion: 83 Resp: 150870

Ion Ratio Lower Upper

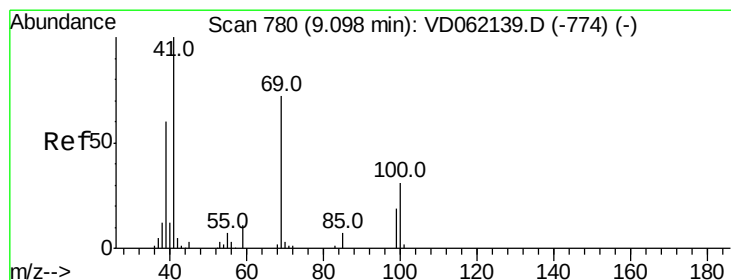
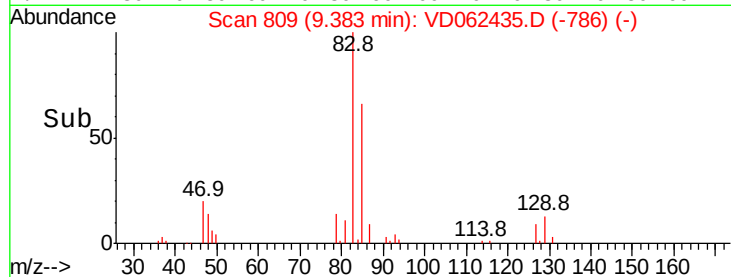
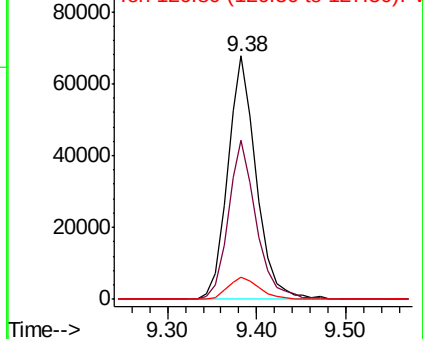
83 100

85 65.5 50.9 76.3

127 9.3 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: 19.625 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

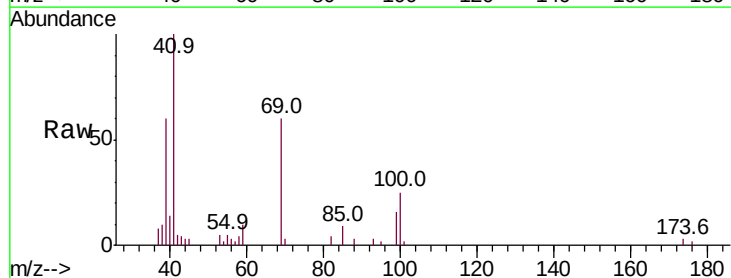
Tgt Ion: 41 Resp: 50562

Ion Ratio Lower Upper

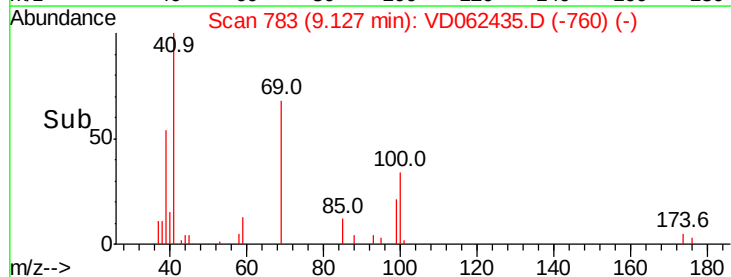
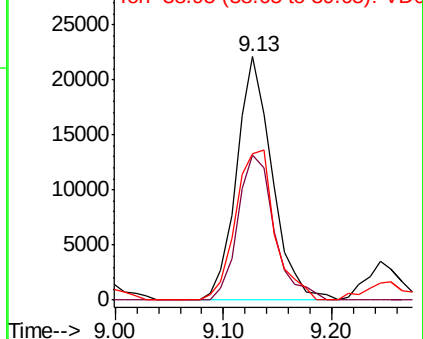
41 100

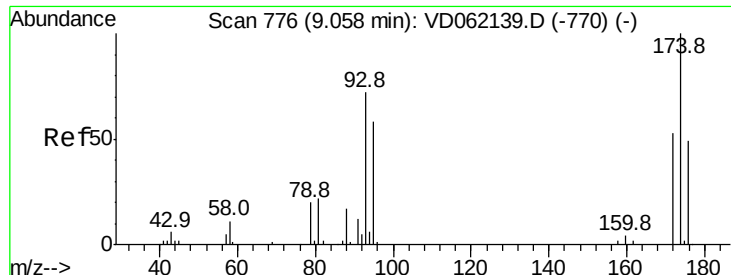
69 59.8 64.2 96.2#

39 60.1 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

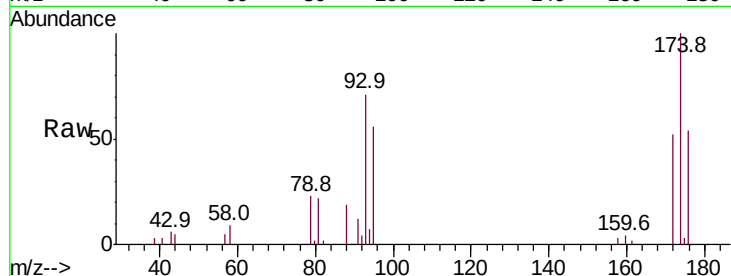




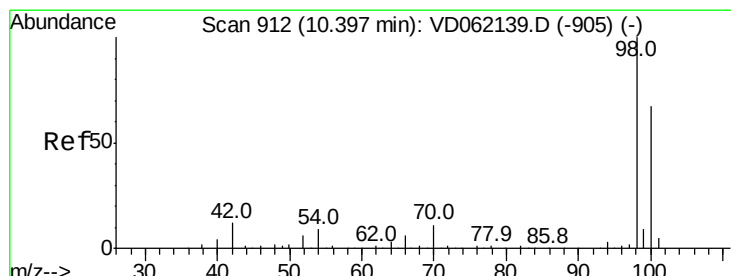
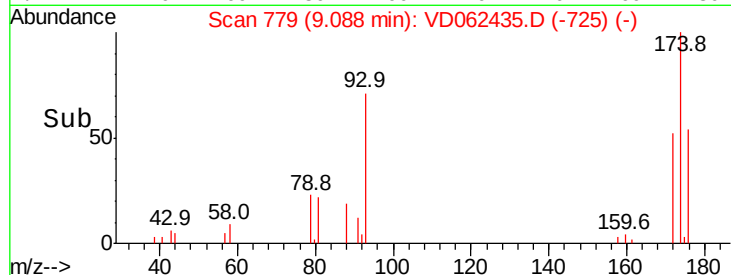
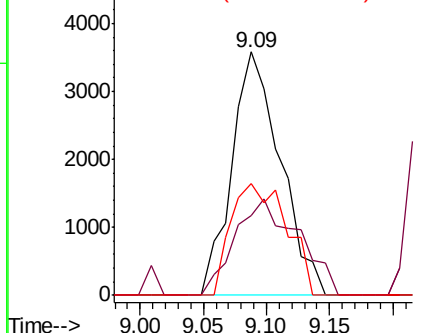
#49
 1,4-Dioxane
 Concen: 344.438 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Tot Ion: 88 Resp: 9575
 Ion Ratio Lower Upper
 88 100
 43 33.0 23.4 35.0
 58 45.9 44.0 66.0

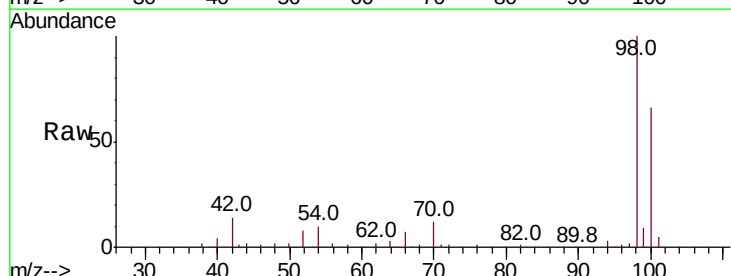


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

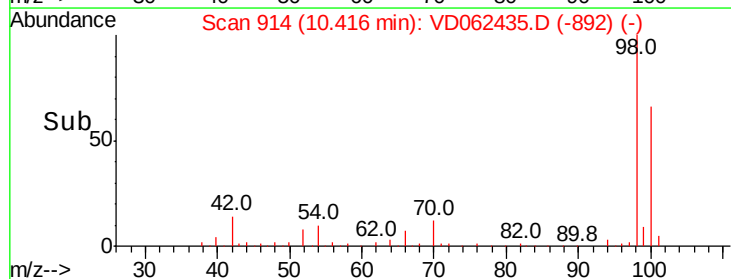
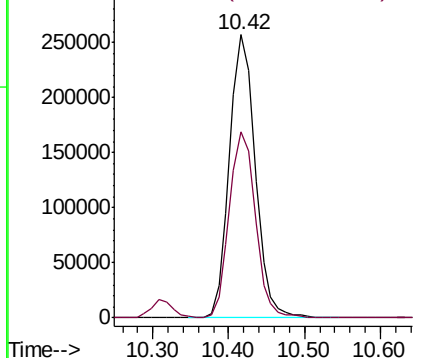


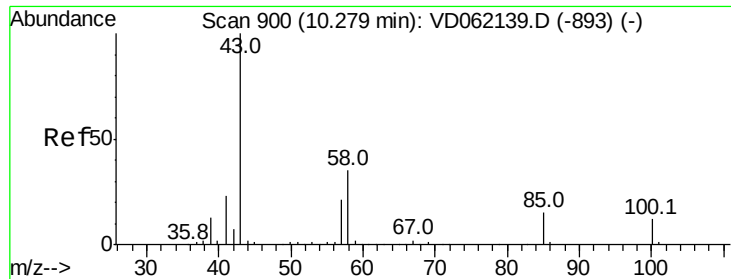
#50
 Toluene-d8
 Concen: 35.796 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 98 Resp: 607414
 Ion Ratio Lower Upper
 98 100
 100 65.9 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: 97.124 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleID :

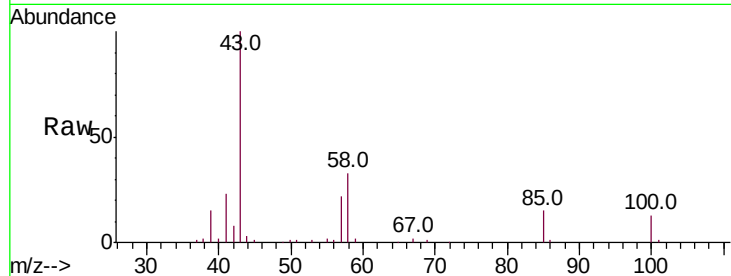
VD0517SBS01

Tot Ion: 43 Resp: 261144

Ion Ratio Lower Upper

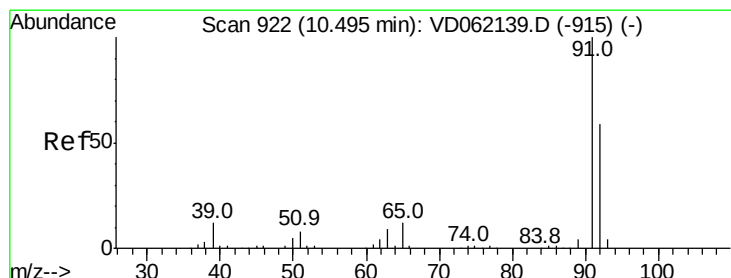
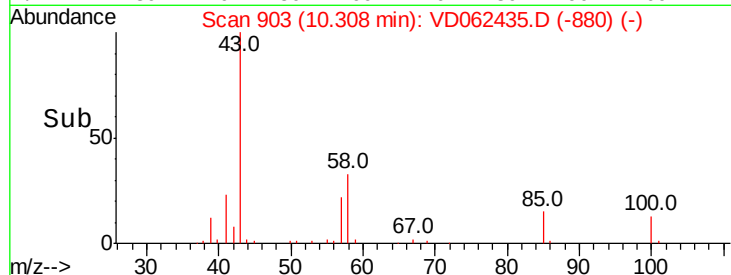
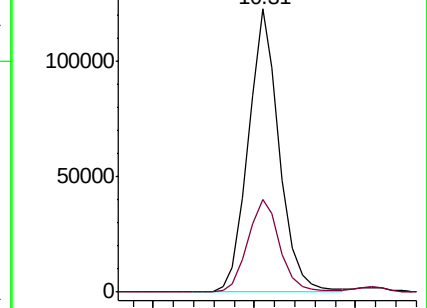
43 100

58 32.8 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: 16.945 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062435.D

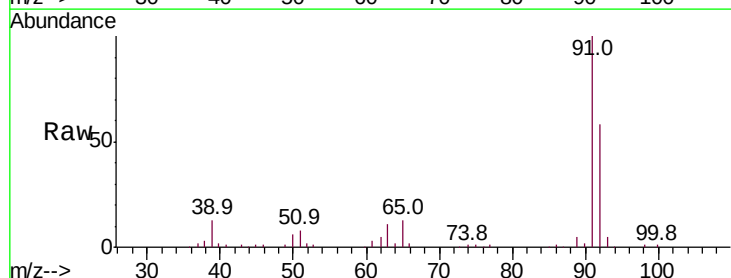
Acq: 17 May 2019 13:16

Tgt Ion: 92 Resp: 173140

Ion Ratio Lower Upper

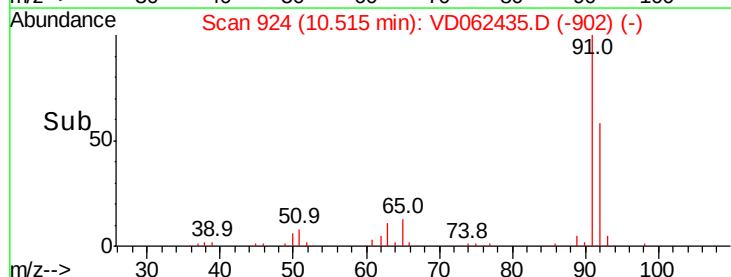
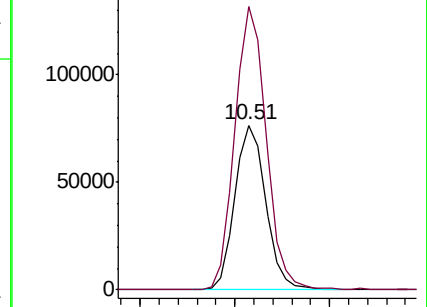
92 100

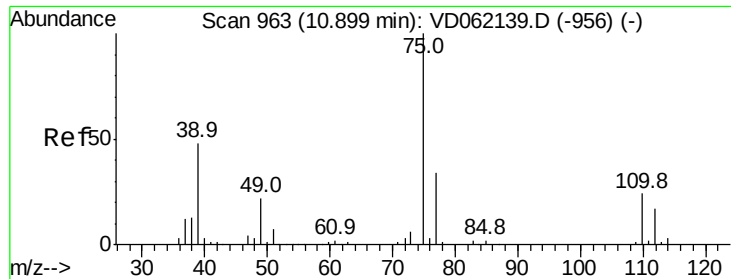
91 171.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

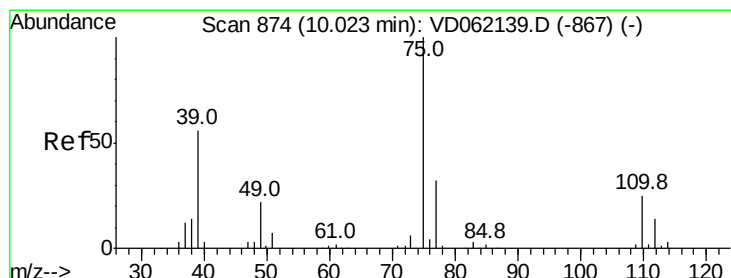
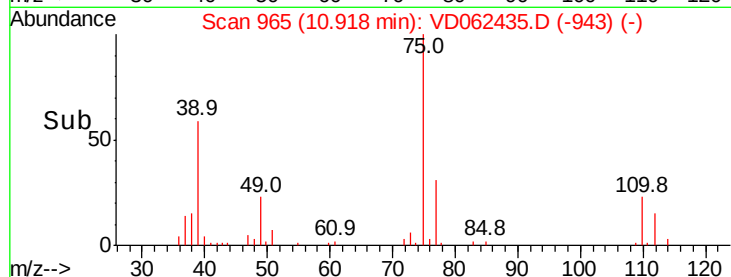
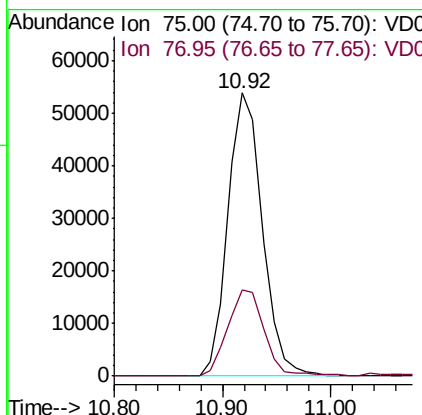
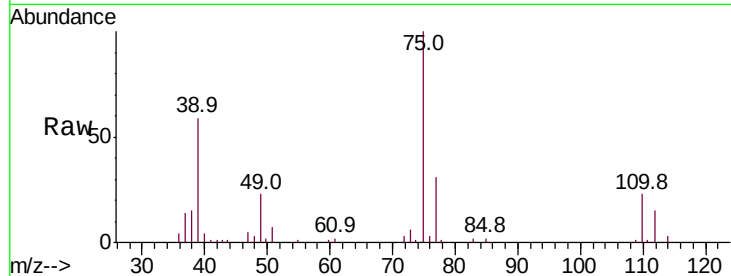




#53
 t-1,3-Dichloropropene
 Concen: 17.842 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

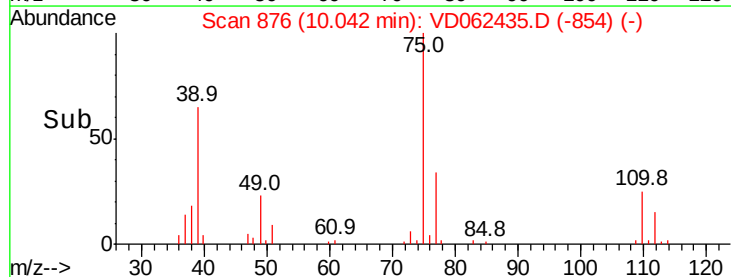
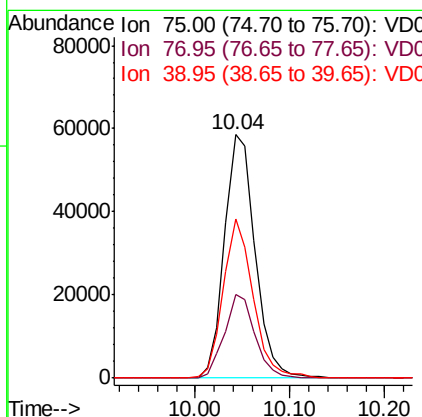
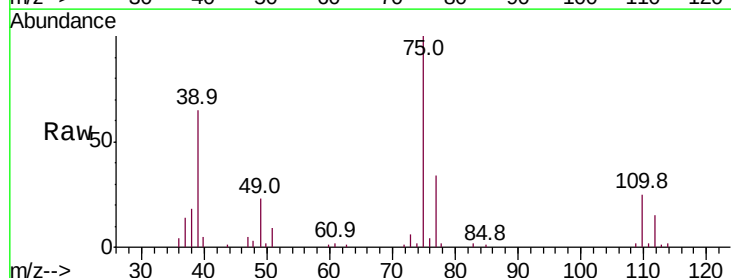
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

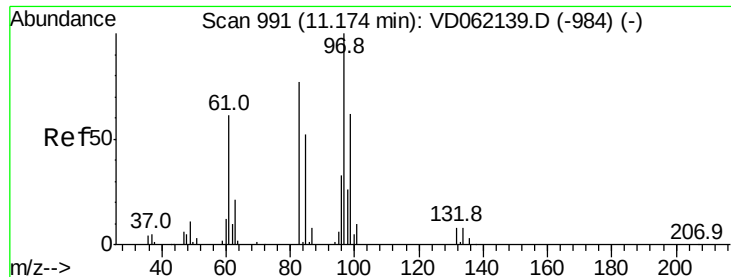
Tot Ion: 75 Resp: 119148
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.024 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 75 Resp: 131309
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.5 38.3
 39 65.2 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 18.862 ug/l

RT: 11.19 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

Tot Ion: 97 Resp: 68191

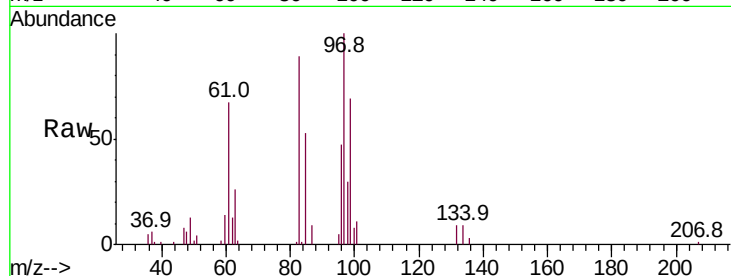
Ion Ratio Lower Upper

97 100

83 90.1 65.7 98.5

85 53.0 45.6 68.4

99 68.5 48.4 72.6

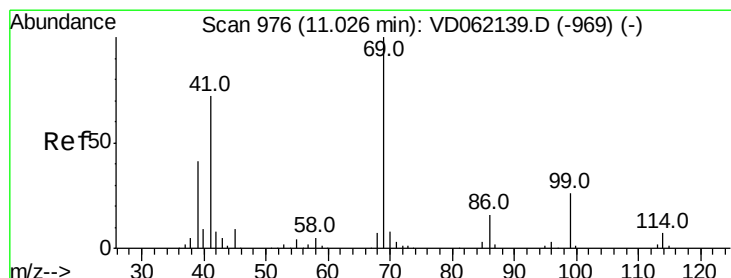
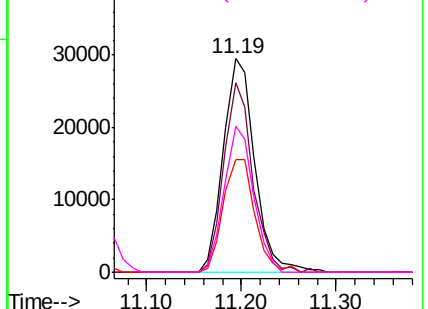
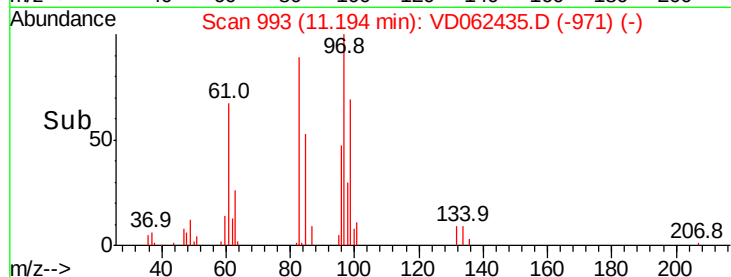


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.005 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

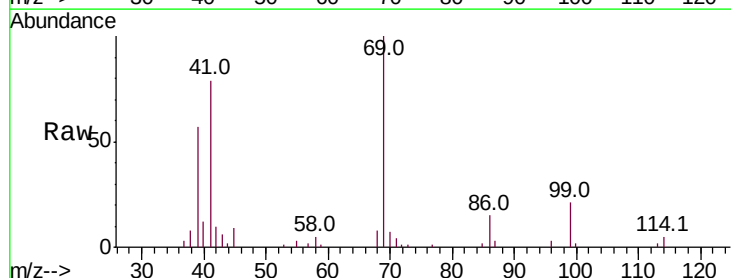
Tgt Ion: 69 Resp: 71398

Ion Ratio Lower Upper

69 100

41 79.5 56.3 84.5

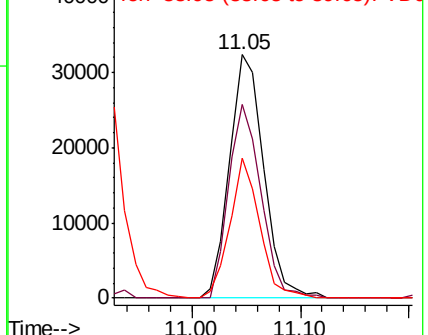
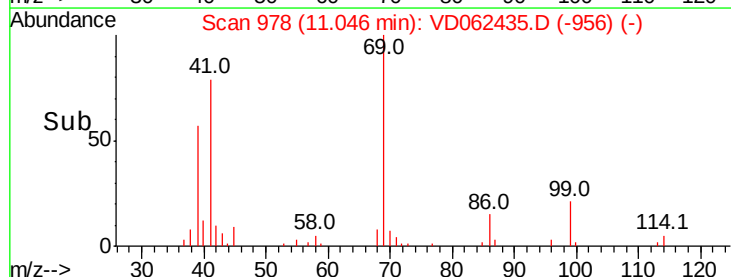
39 57.4 29.4 44.2#

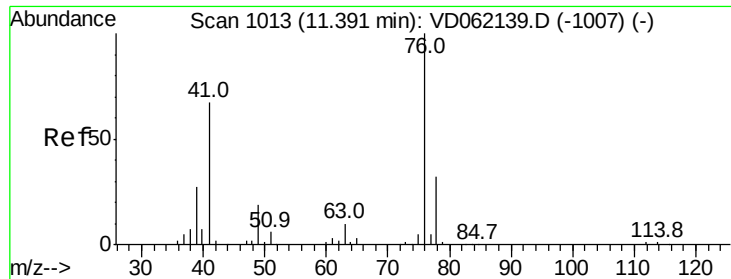


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

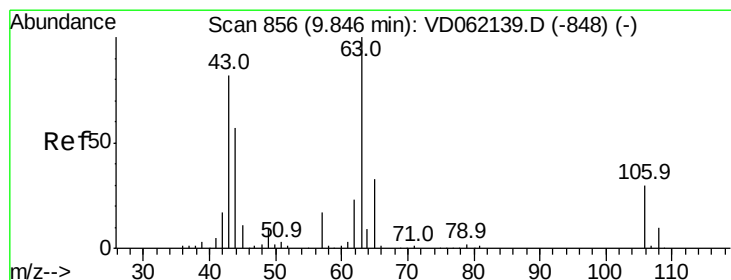
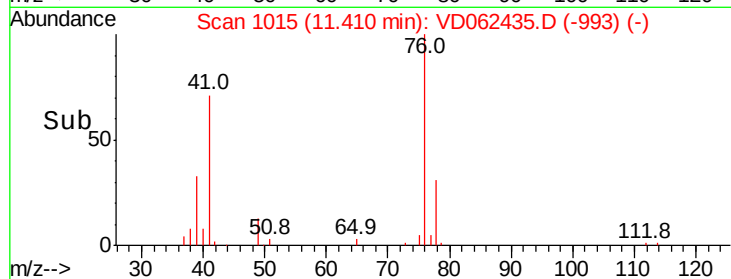
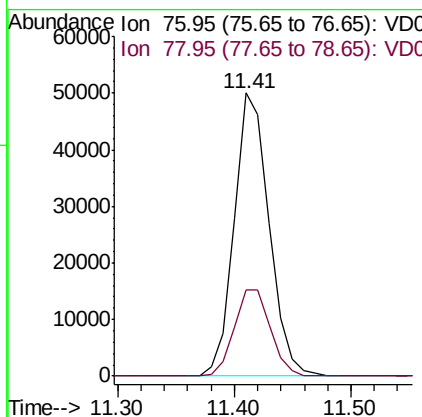
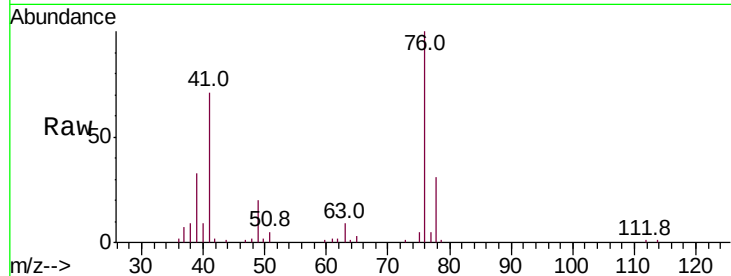




#57
 1,3-Dichloropropane
 Concen: 18.917 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

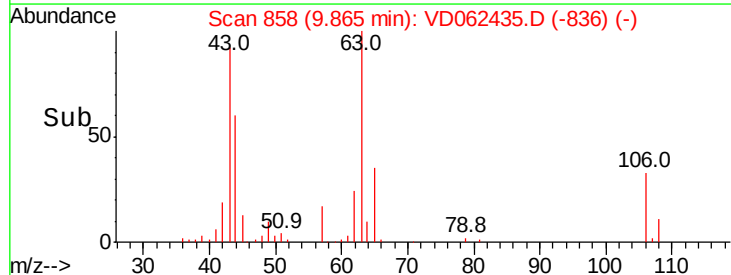
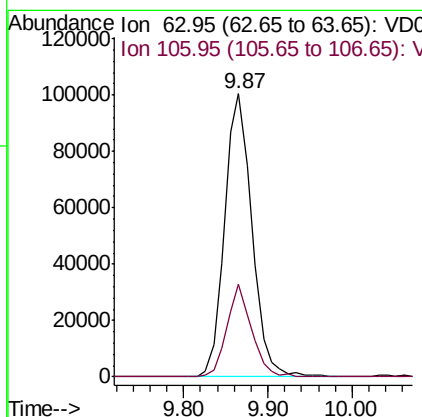
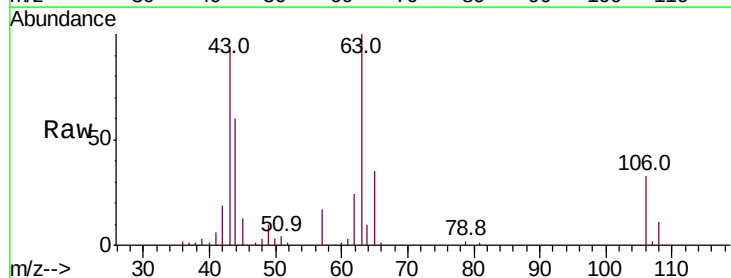
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

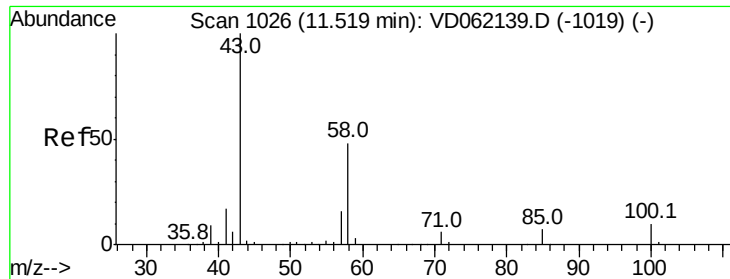
Tot Ion: 76 Resp: 103323
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.210 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 63 Resp: 226166
 Ion Ratio Lower Upper
 63 100
 106 32.9 22.6 34.0





#59

2-Hexanone

Concen: 100.825 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

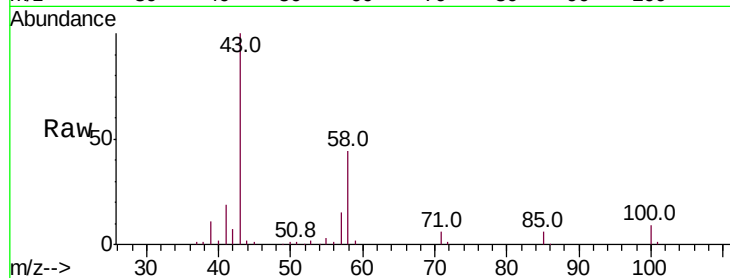
VD0517SBS01

Tot Ion: 43 Resp: 199809

Ion Ratio Lower Upper

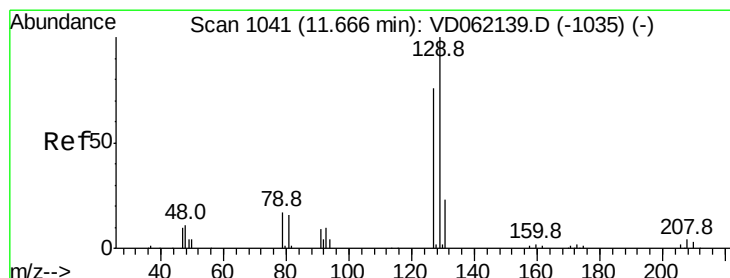
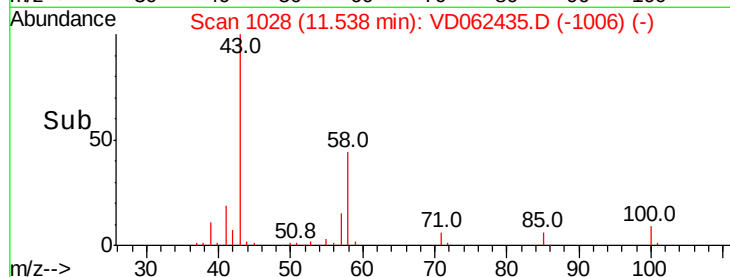
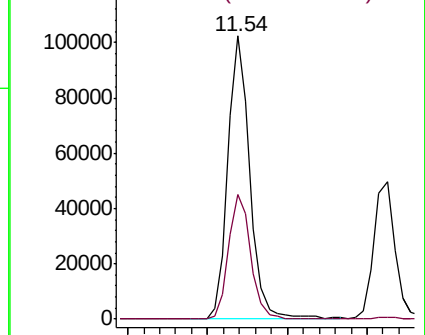
43 100

58 44.2 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 19.245 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.03 min

Lab File: VD062435.D

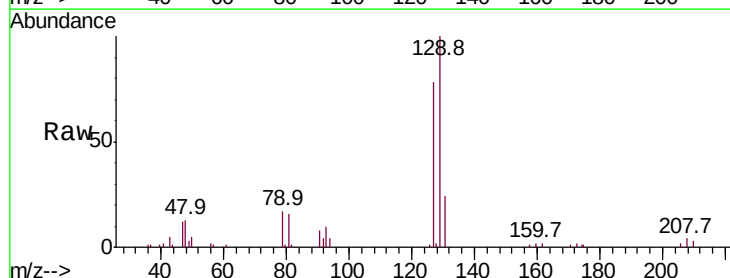
Acq: 17 May 2019 13:16

Tgt Ion: 129 Resp: 120243

Ion Ratio Lower Upper

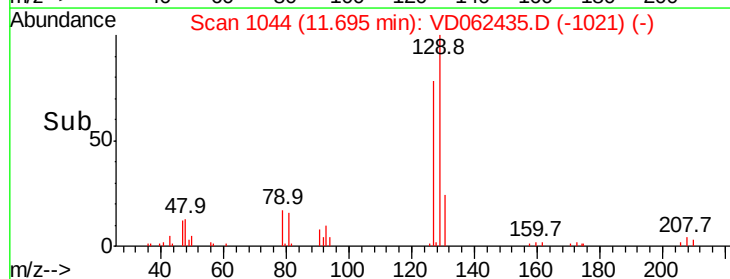
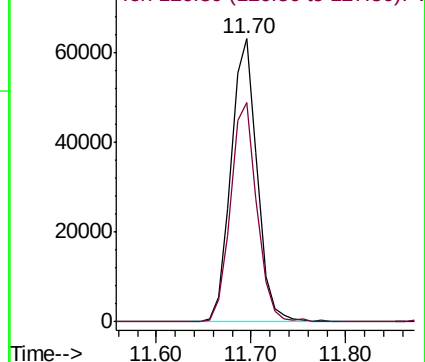
129 100

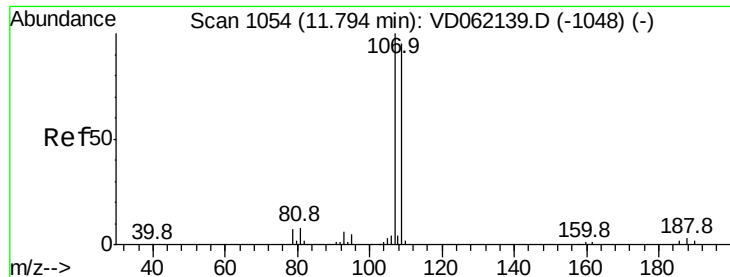
127 77.5 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

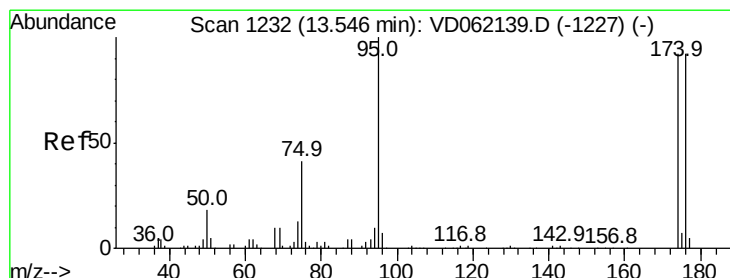
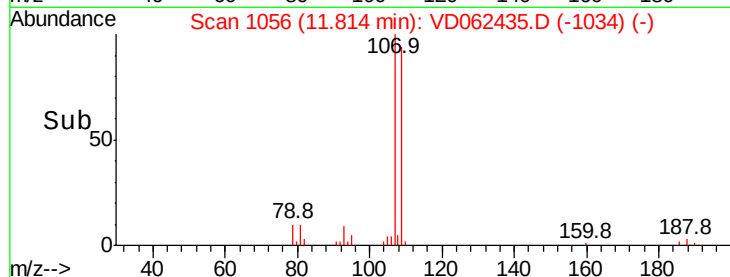
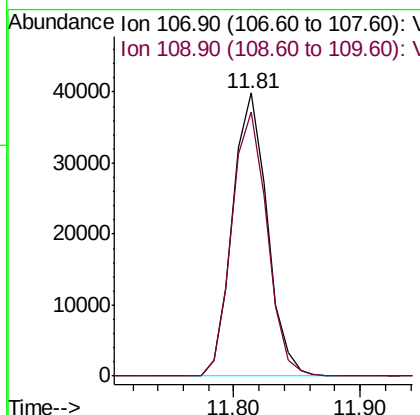
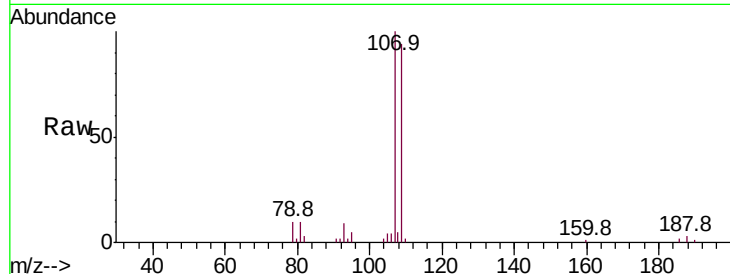




#61
 1,2-Dibromoethane
 Concen: 17.182 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

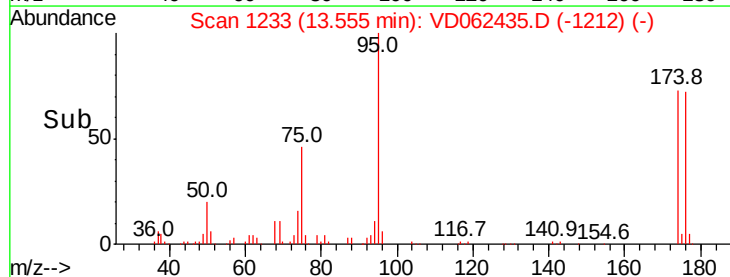
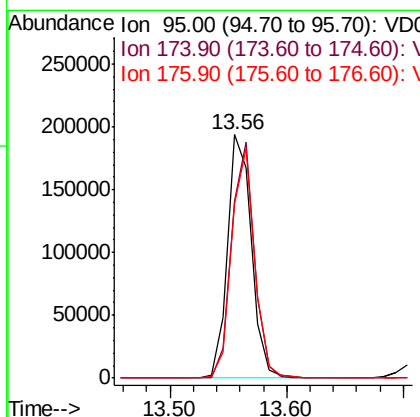
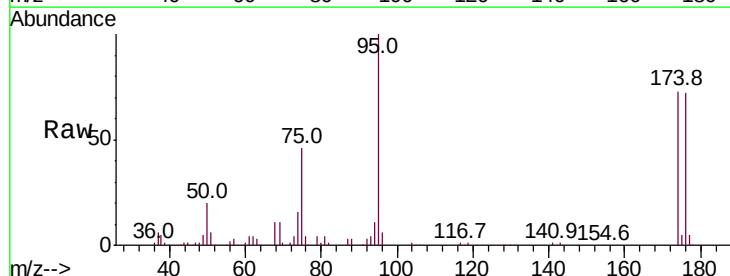
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

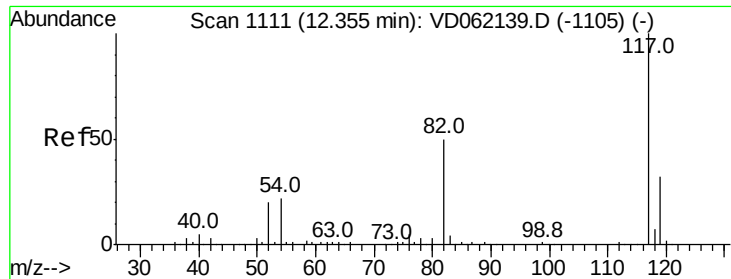
Tot Ion:107 Resp: 75522
 Ion Ratio Lower Upper
 107 100
 109 93.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 40.444 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 95 Resp: 275588
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 181.8
 176 71.6 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

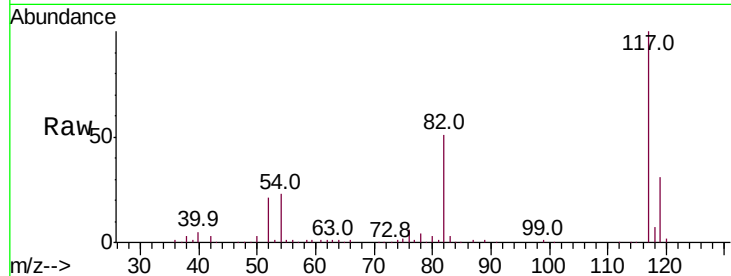
Tot Ion:117 Resp: 709653

Ion Ratio Lower Upper

117 100

82 51.4 36.2 54.2

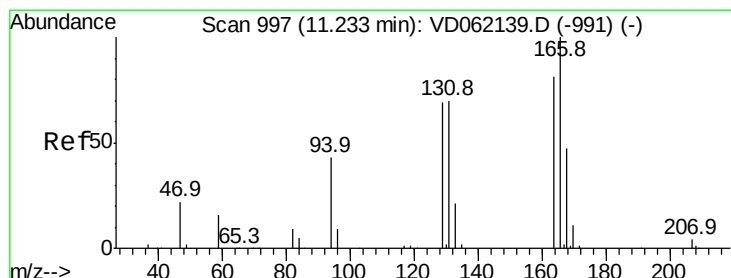
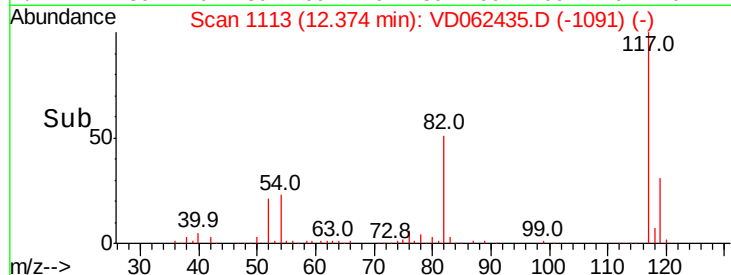
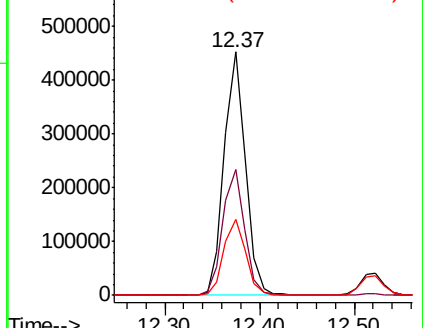
119 31.4 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 16.544 ug/l

RT: 11.26 min Scan# 1000

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Tgt Ion:164 Resp: 91807

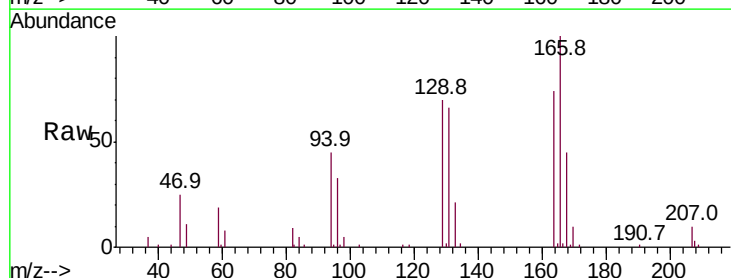
Ion Ratio Lower Upper

164 100

166 136.0 101.5 152.3

129 94.7 74.6 112.0

131 89.1 72.6 108.8

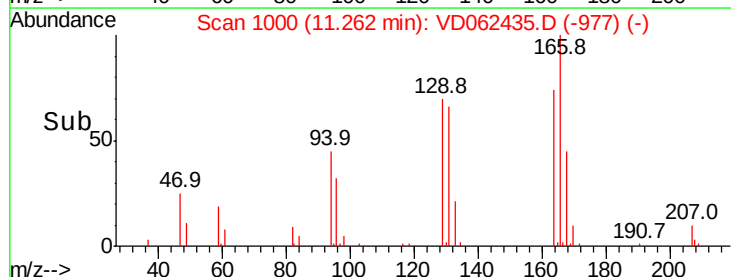
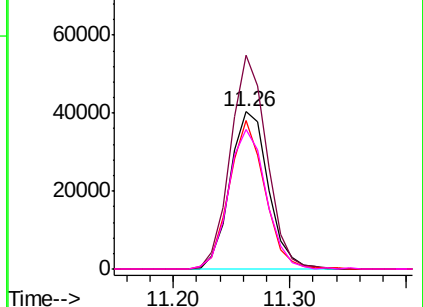


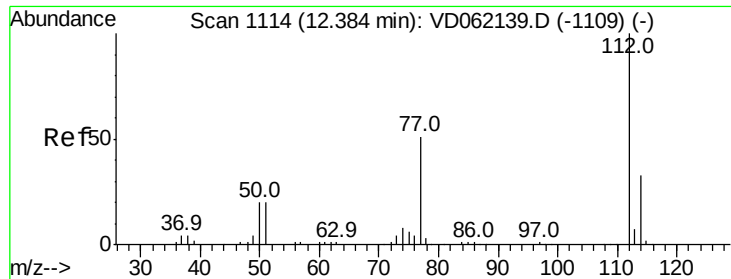
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

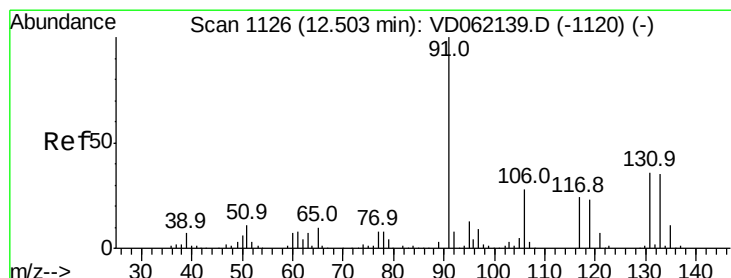
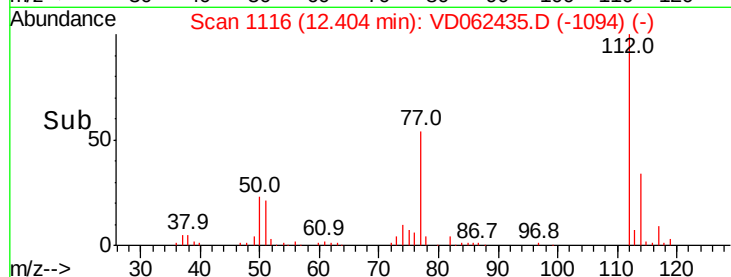
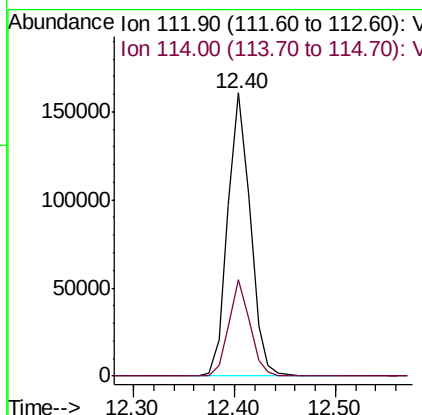
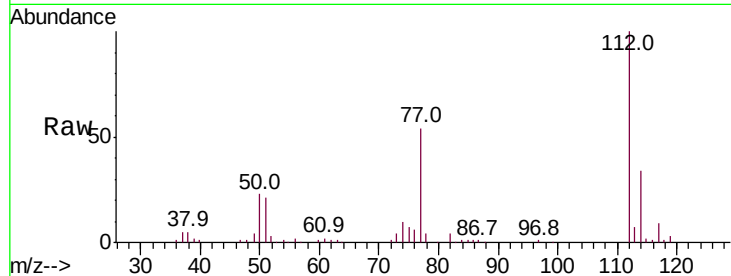




#65
Chlorobenzene
Concen: 18.854 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

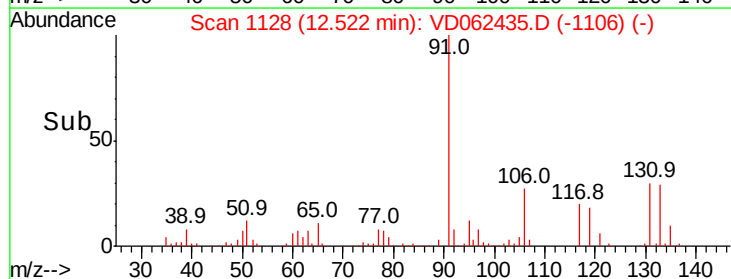
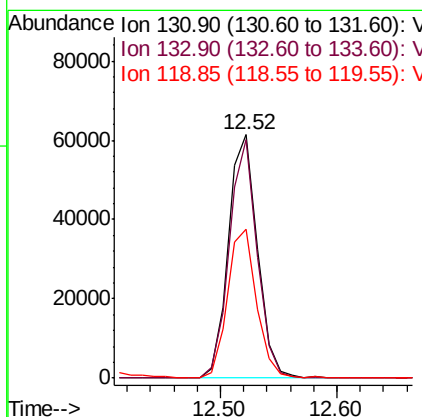
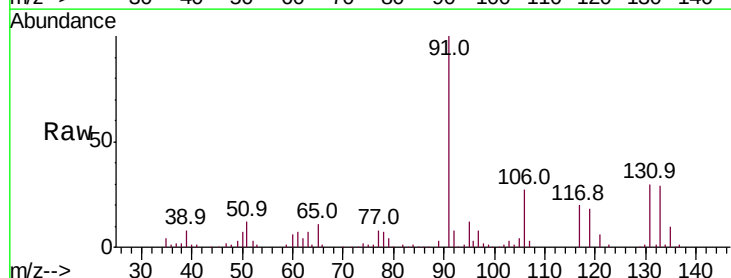
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

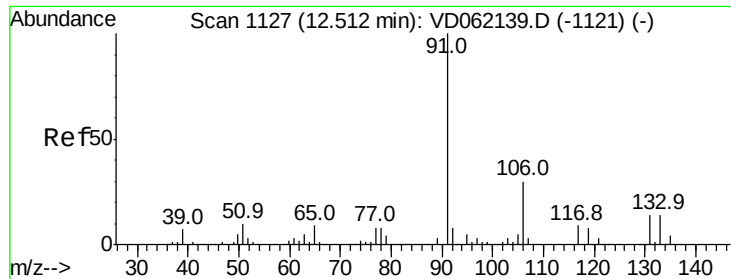
Tot Ion:112 Resp: 249201
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.392 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion:131 Resp: 105800
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.8
119 61.0 34.7 104.1

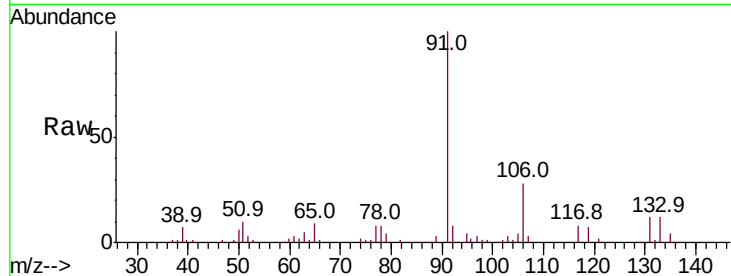




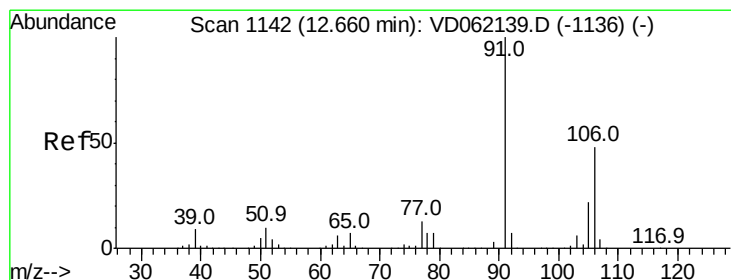
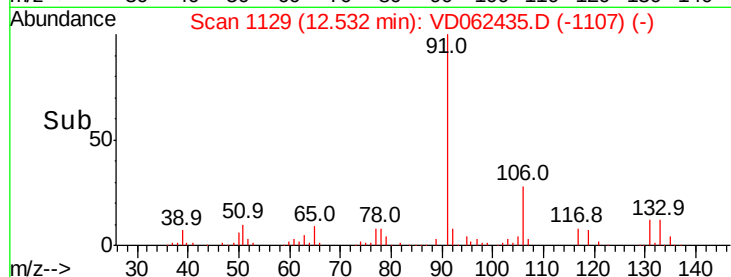
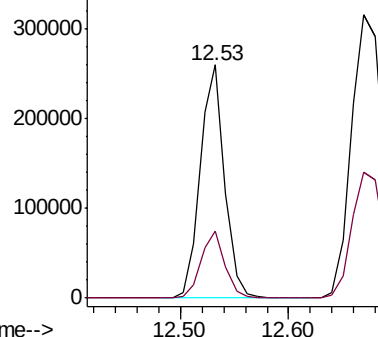
#67
Ethyl Benzene
Concen: 18.234 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

Tot Ion: 91 Resp: 403494
Ion Ratio Lower Upper
91 100
106 28.5 24.7 37.1

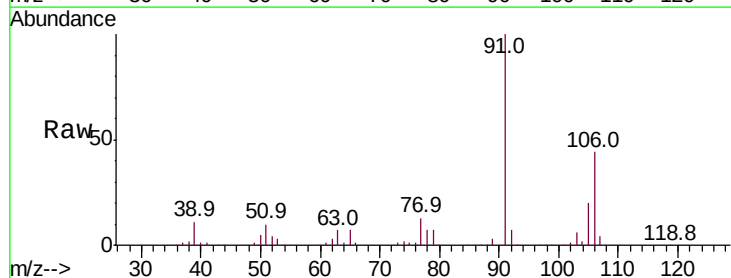


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

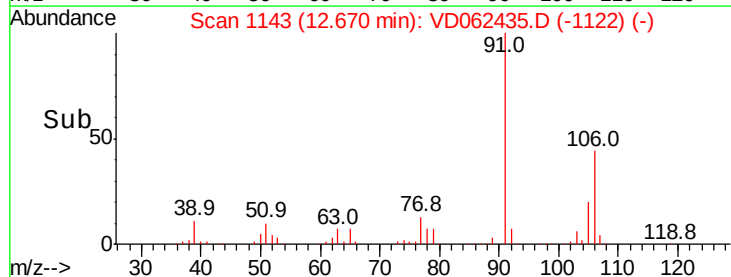
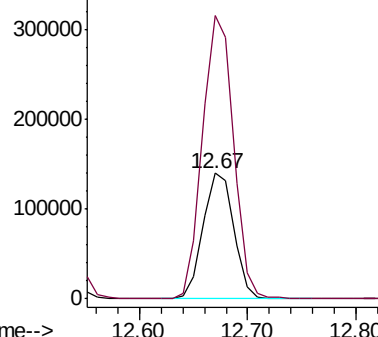


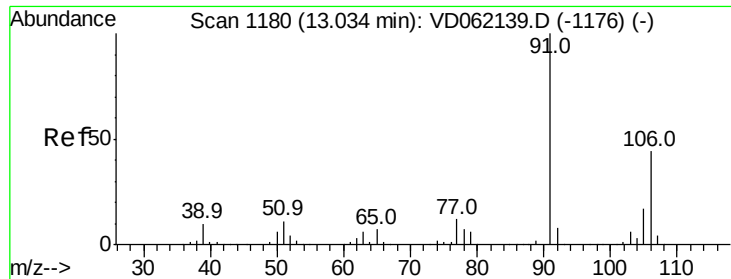
#68
m/p-Xylenes
Concen: 34.364 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 106 Resp: 276657
Ion Ratio Lower Upper
106 100
91 225.0 164.0 246.0



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

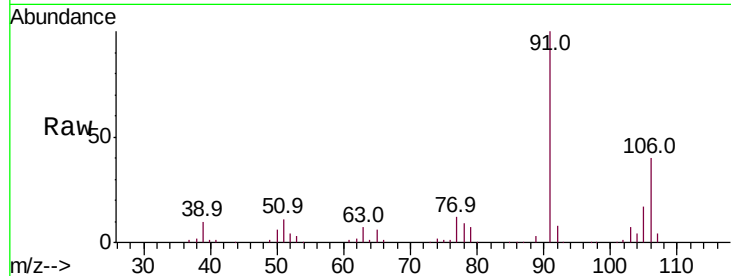




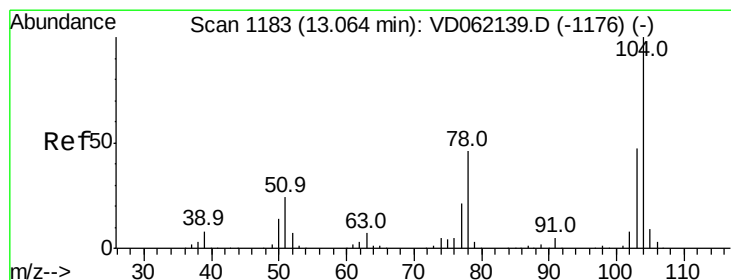
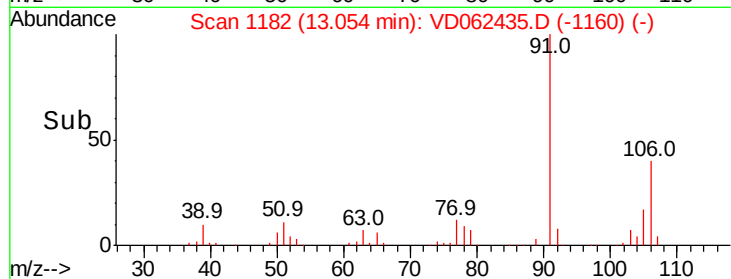
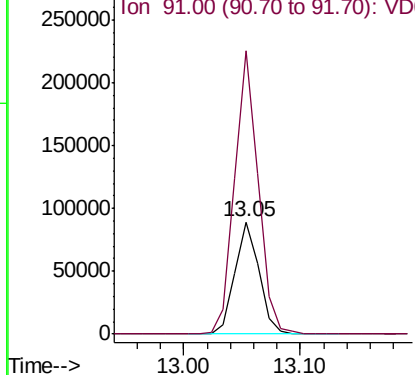
#69
o-Xylene
Concen: 17.211 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion:106 Resp: 128816
Ion Ratio Lower Upper
106 100
91 252.8 106.7 319.9

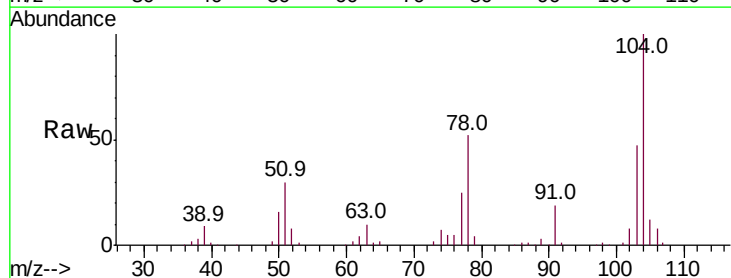


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

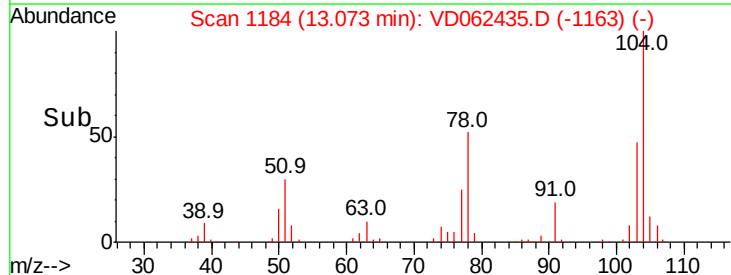
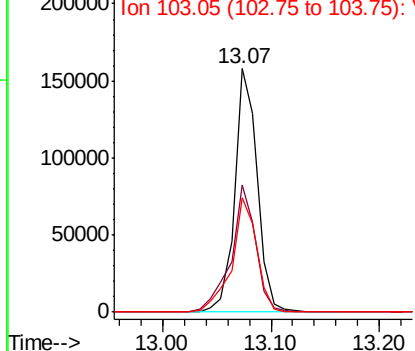


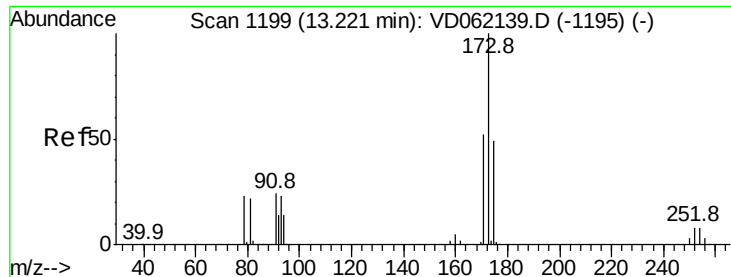
#70
Styrene
Concen: 17.906 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion:104 Resp: 227030
Ion Ratio Lower Upper
104 100
78 52.4 35.4 53.2
103 46.7 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: 16.665 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

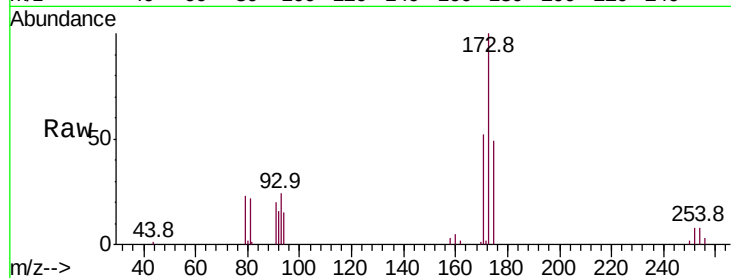
Tot Ion:173 Resp: 66698

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.4

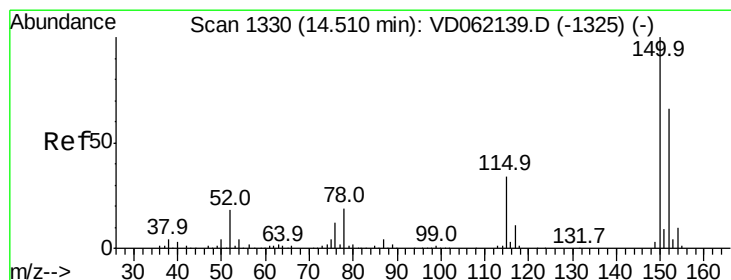
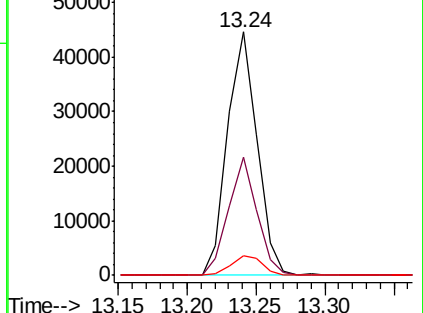
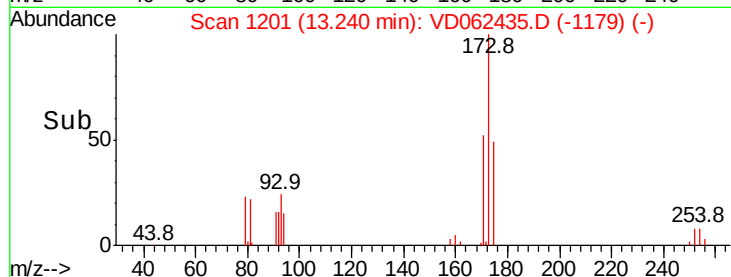
254 8.3 5.4 8.2#



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. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

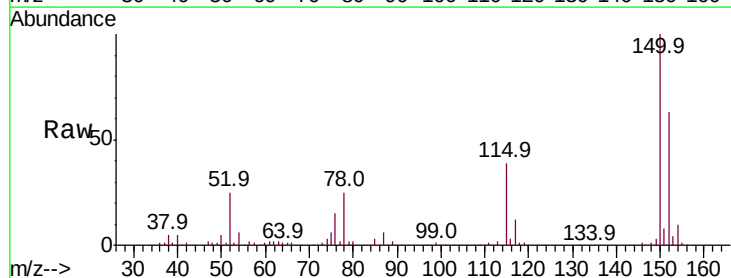
Tgt Ion:152 Resp: 373737

Ion Ratio Lower Upper

152 100

115 61.7 30.9 92.7

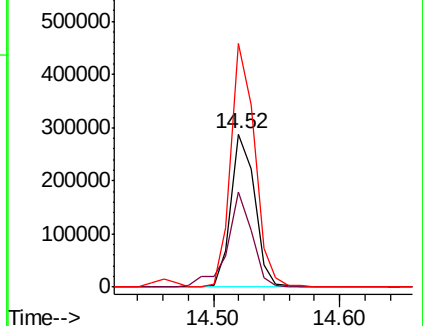
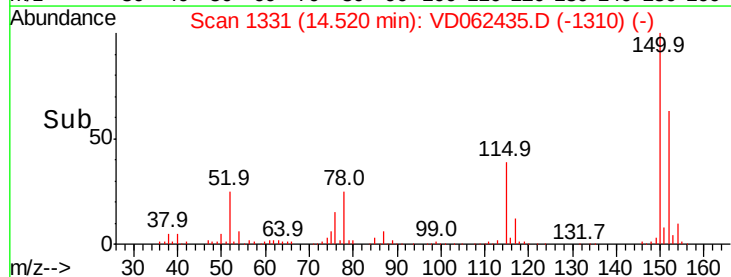
150 158.8 0.0 314.8

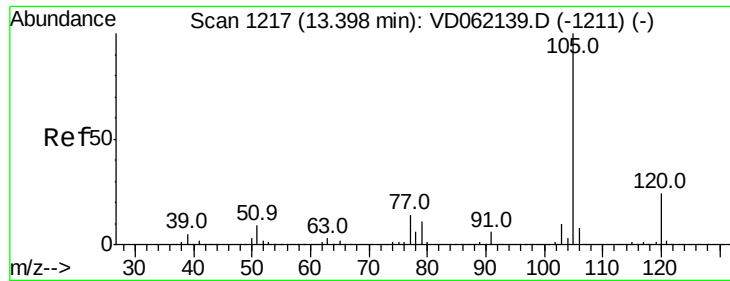


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.876 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

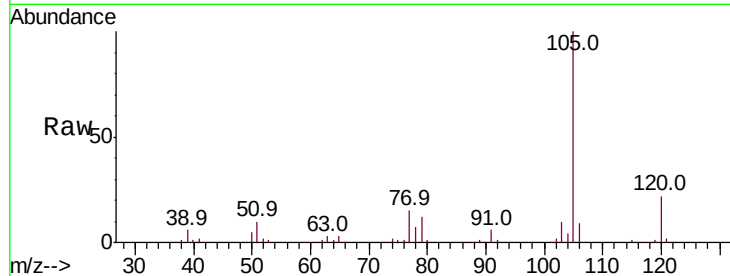
VD0517SBS01

Tot Ion:105 Resp: 445276

Ion Ratio Lower Upper

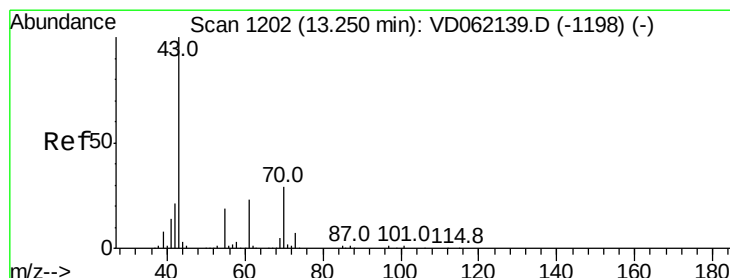
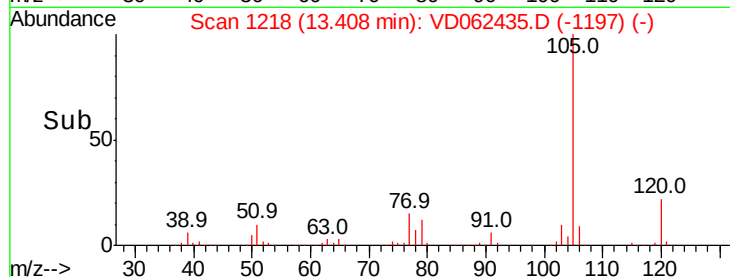
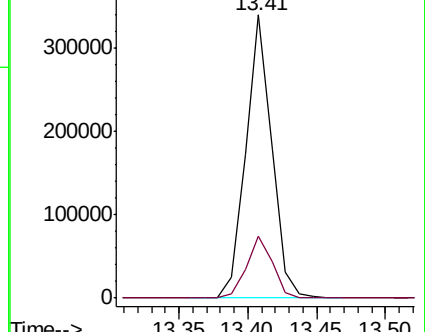
105 100

120 21.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.939 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Tgt Ion: 43 Resp: 105366

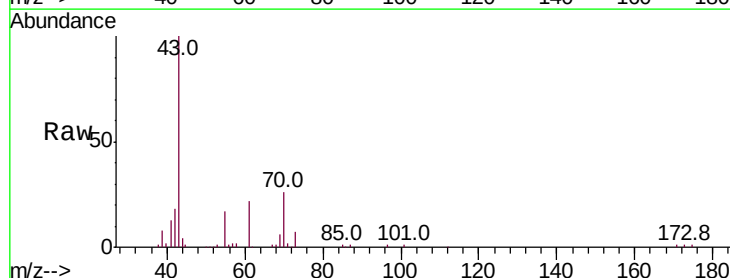
Ion Ratio Lower Upper

43 100

70 26.3 24.2 36.4

55 16.5 16.0 24.0

61 21.9 21.6 32.4

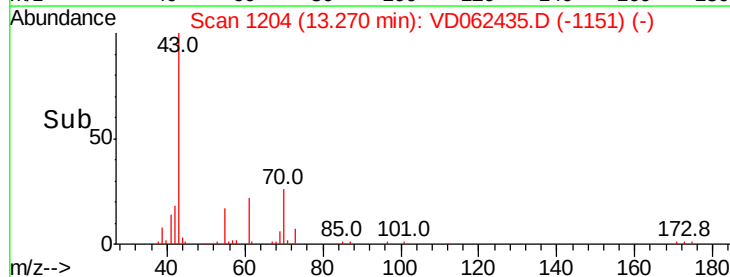
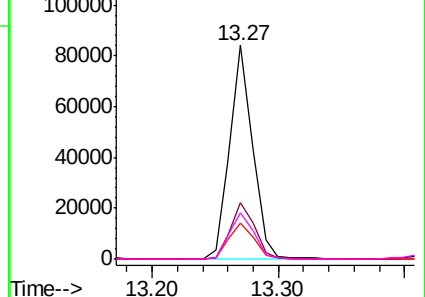


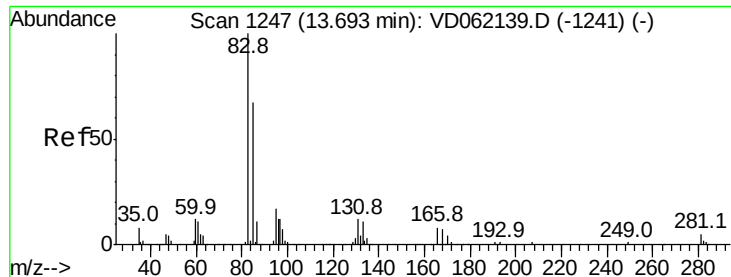
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 17.135 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

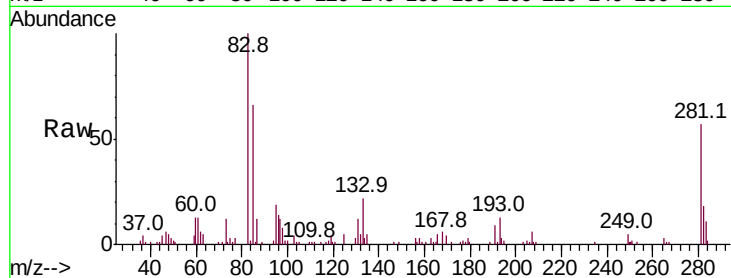
Tot Ion: 83 Resp: 72673

Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.0	14.9
85	65.8	32.6	97.7

83 100

131 12.0 5.0 14.9

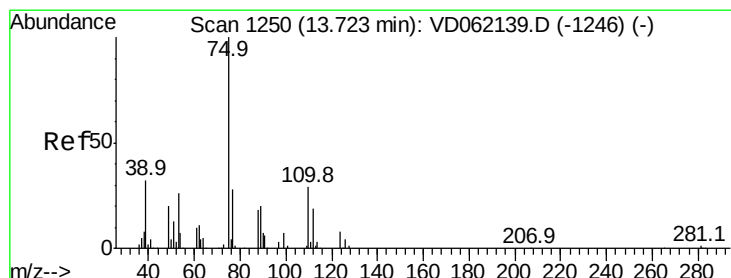
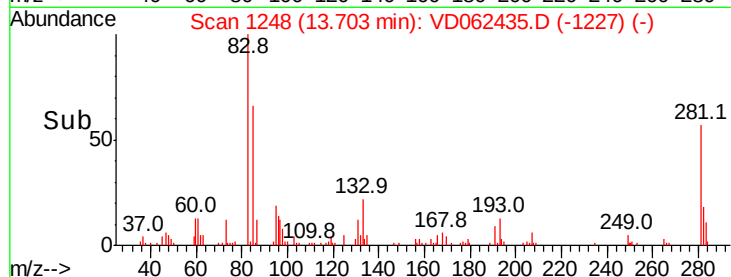
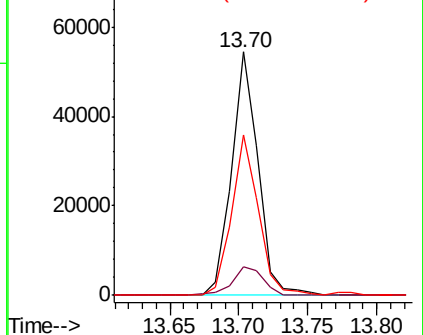
85 65.8 32.6 97.7



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: 17.625 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062435.D

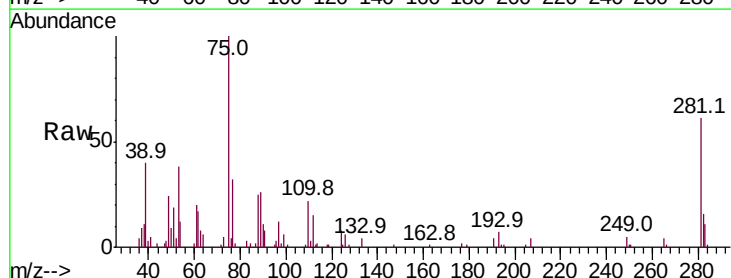
Acq: 17 May 2019 13:16

Tgt Ion: 75 Resp: 78284

Ion	Ratio	Lower	Upper
75	100		
77	32.4	16.4	49.4

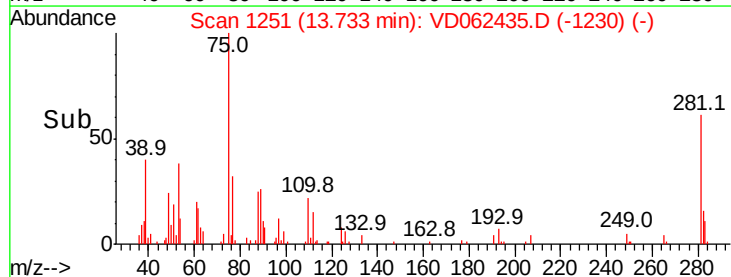
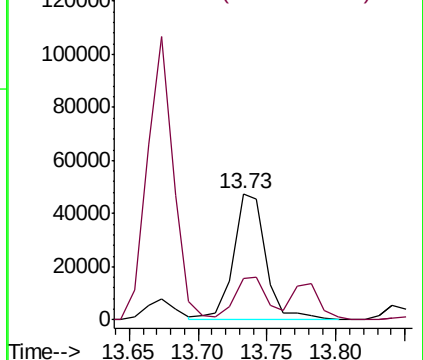
75 100

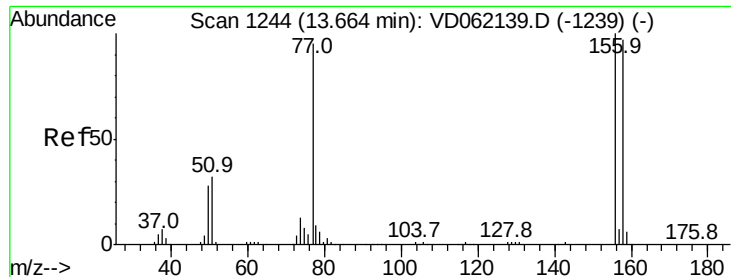
77 32.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.199 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

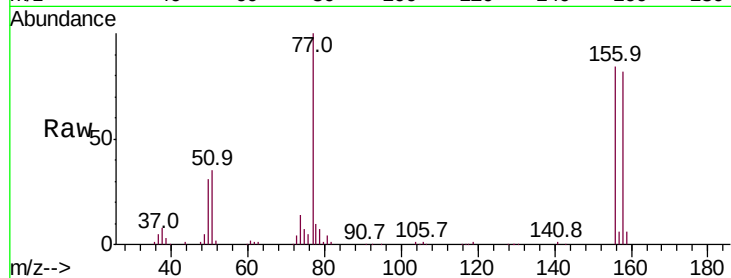
Tot Ion:156 Resp: 114135

Ion Ratio Lower Upper

156 100

77 119.7 53.1 159.4

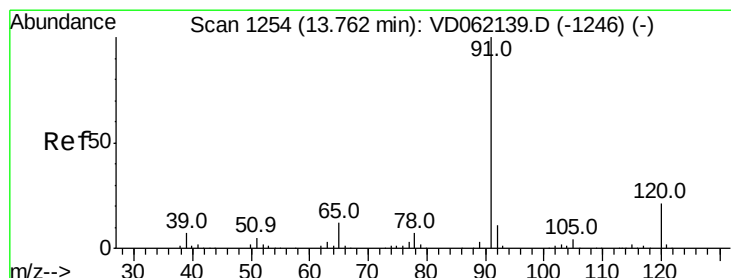
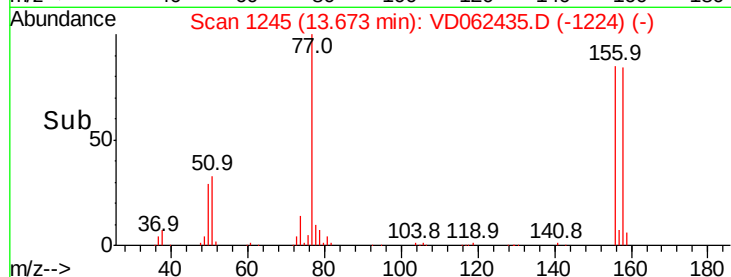
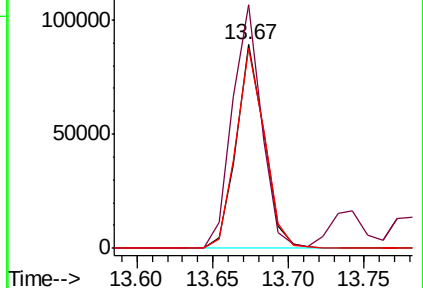
158 98.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.360 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062435.D

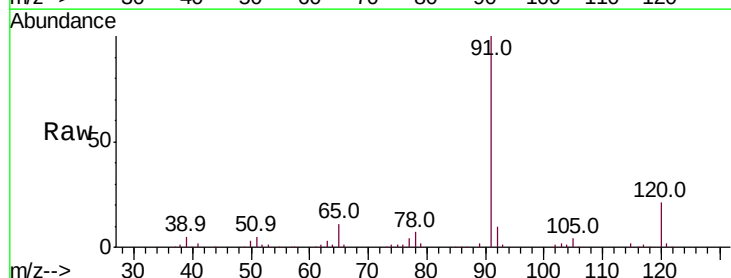
Acq: 17 May 2019 13:16

Tgt Ion: 91 Resp: 490645

Ion Ratio Lower Upper

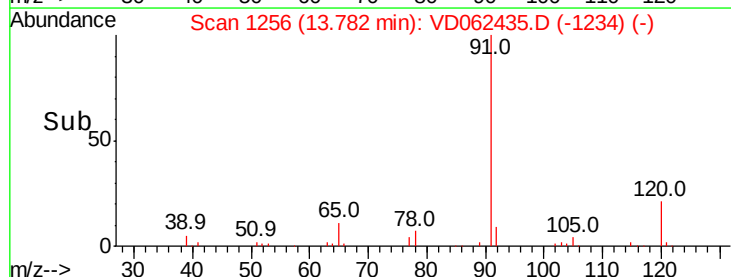
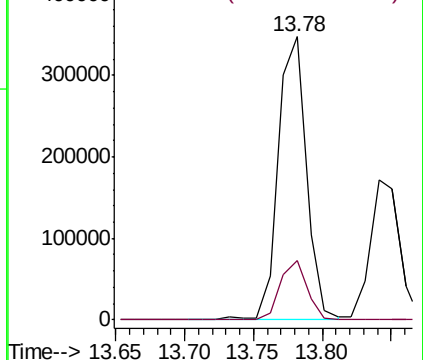
91 100

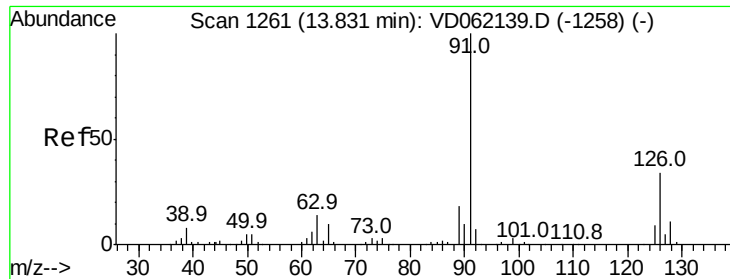
120 20.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

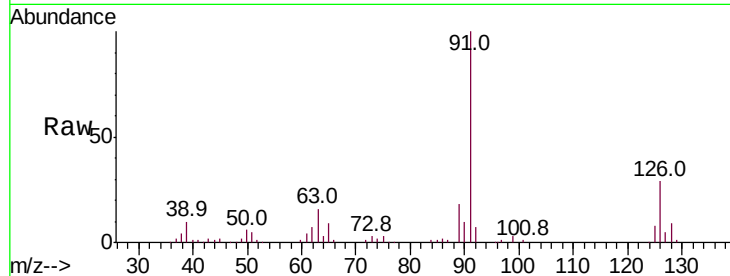




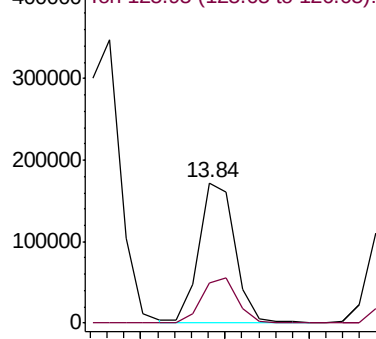
#79
 2-Chlorotoluene
 Concen: 16.486 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

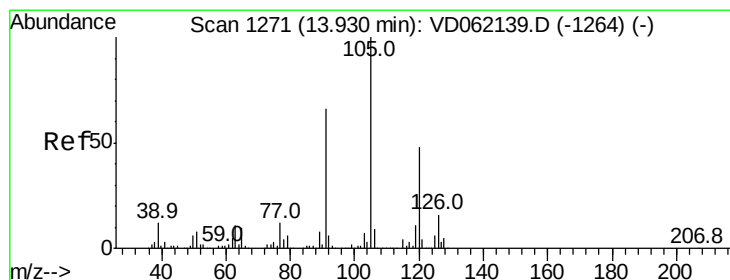
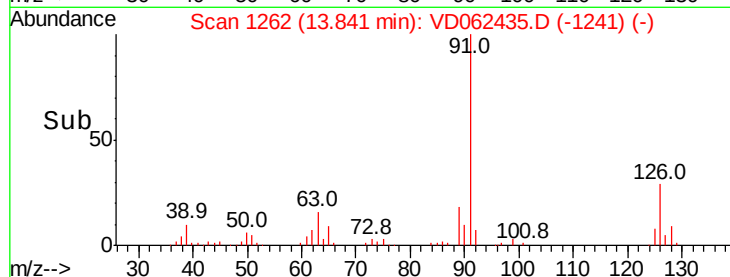
Tot Ion: 91 Resp: 252331
 Ion Ratio Lower Upper
 91 100
 126 28.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

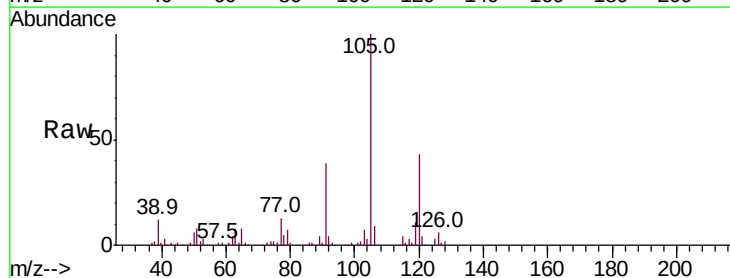


Time-->

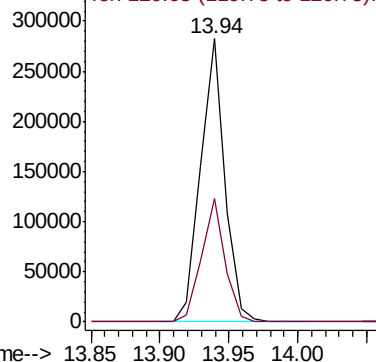


#80
 1,3,5-Trimethylbenzene
 Concen: 18.234 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

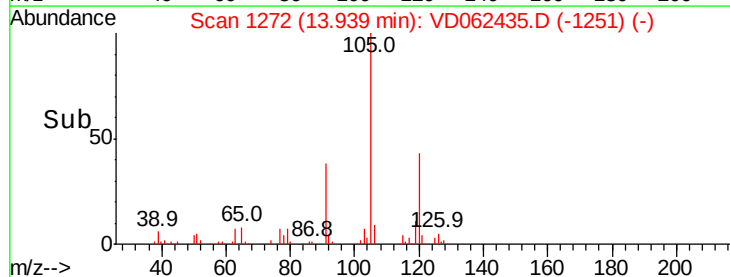
Tgt Ion:105 Resp: 343996
 Ion Ratio Lower Upper
 105 100
 120 43.4 24.0 72.0

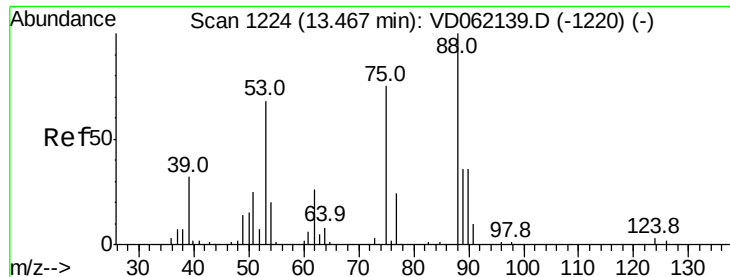


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.502 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

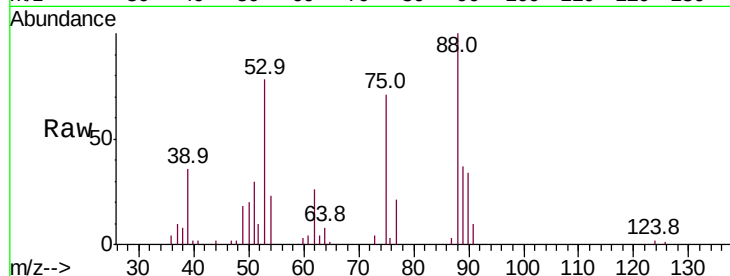
Tot Ion: 75 Resp: 20692

Ion Ratio Lower Upper

75 100

53 109.4 65.8 98.8#

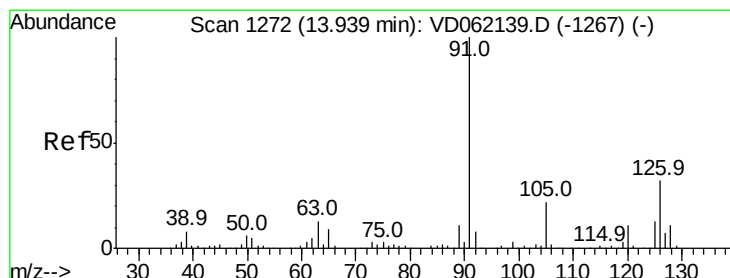
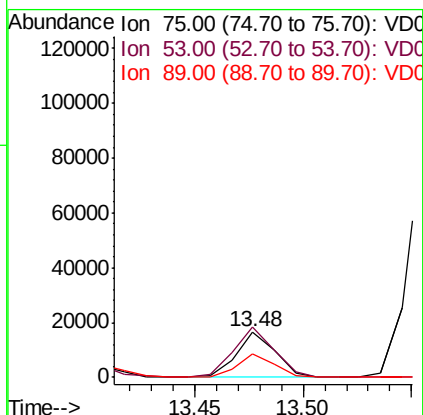
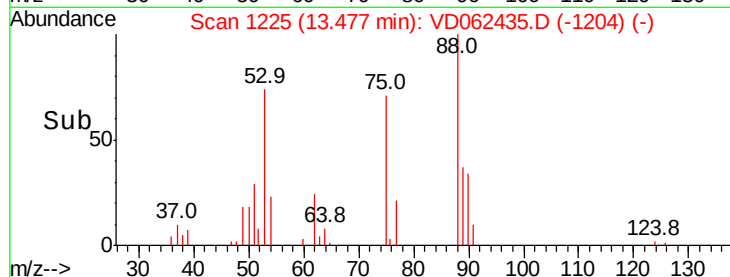
89 51.4 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.438 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062435.D

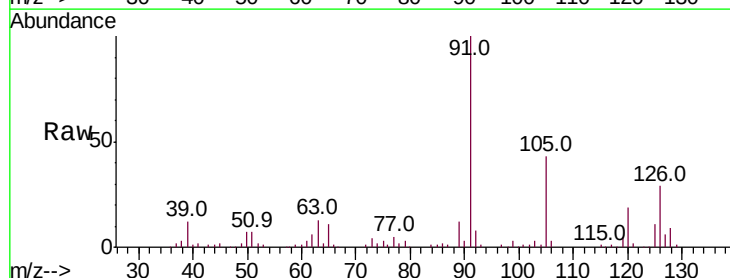
Acq: 17 May 2019 13:16

Tgt Ion: 91 Resp: 350099

Ion Ratio Lower Upper

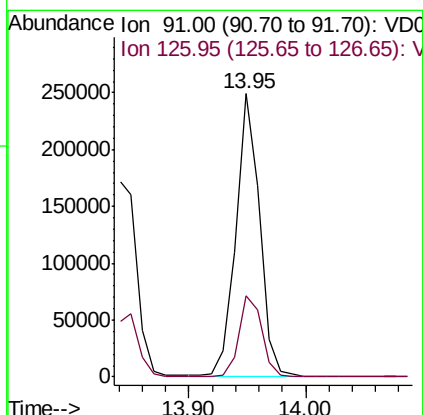
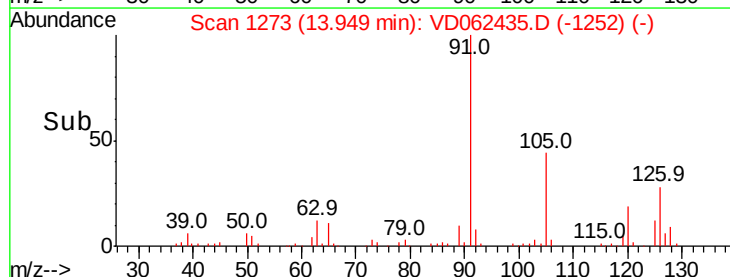
91 100

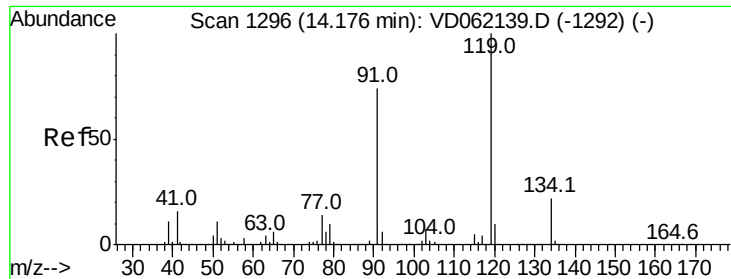
126 28.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

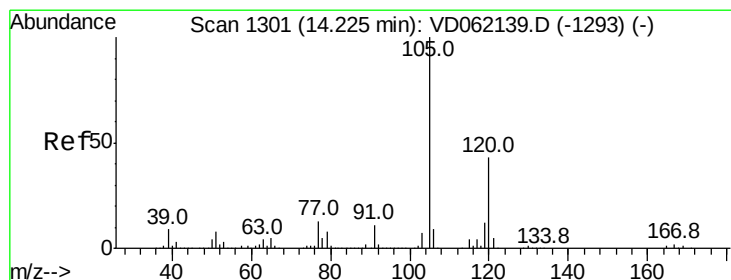
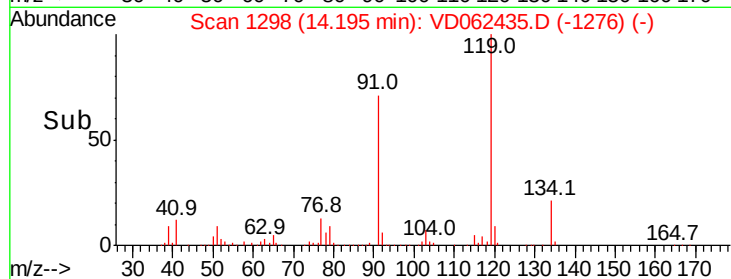
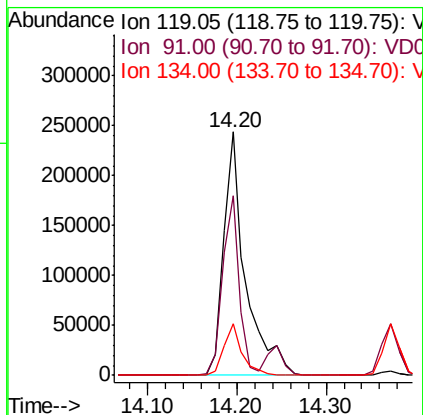
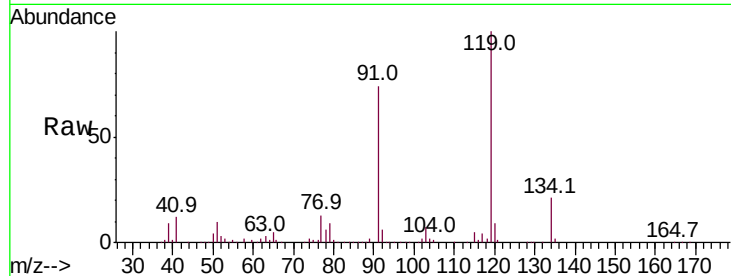




#83
 tert-Butylbenzene
 Concen: 19.693 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

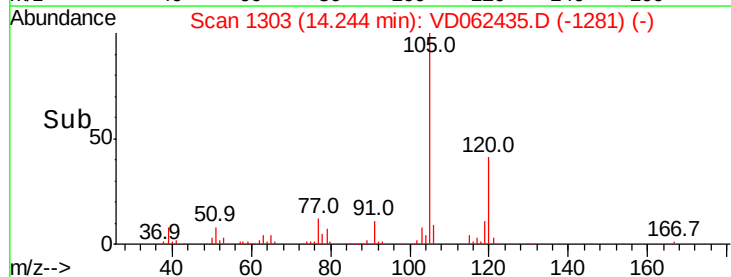
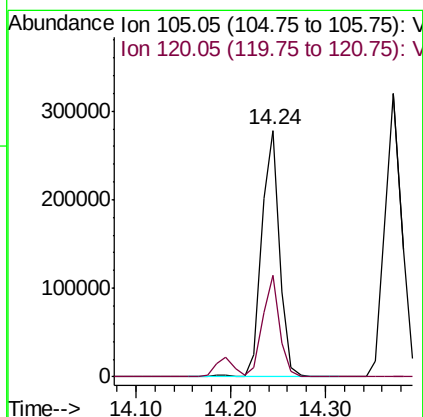
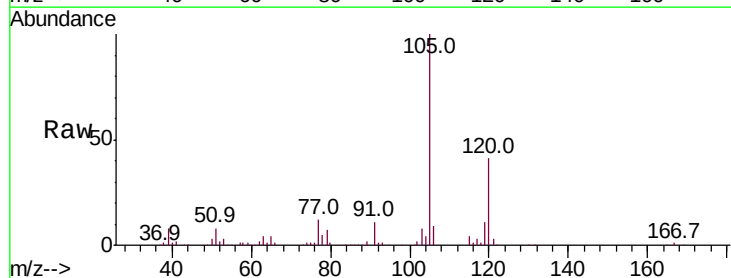
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

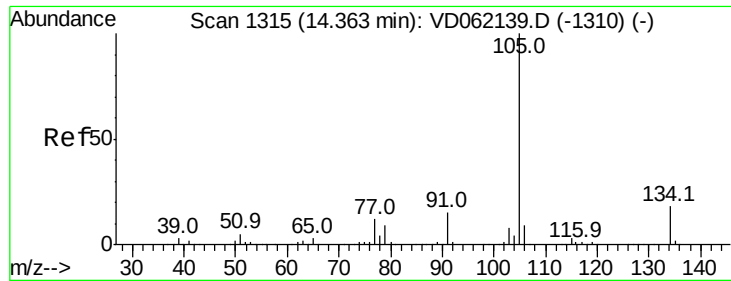
Tot Ion:119 Resp: 417568
 Ion Ratio Lower Upper
 119 100
 91 73.7 34.2 102.6
 134 21.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.389 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion:105 Resp: 367061
 Ion Ratio Lower Upper
 105 100
 120 41.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 17.275 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

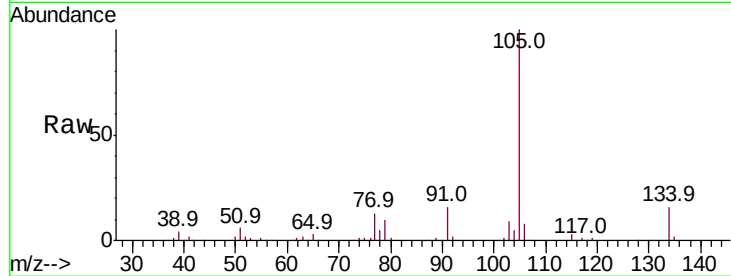
VD0517SBSD01

Tot Ion:105 Resp: 401614

Ion Ratio Lower Upper

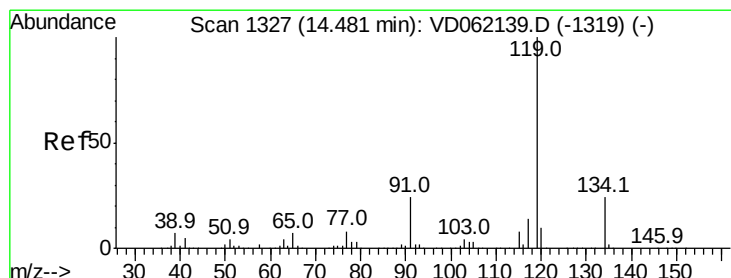
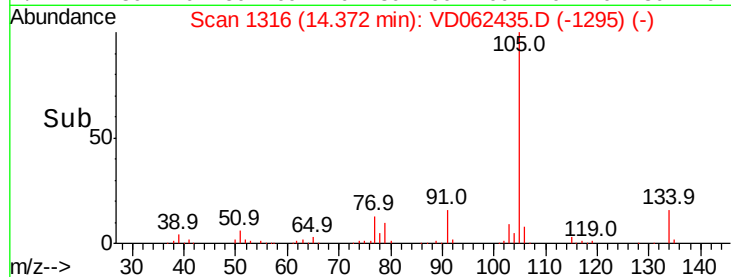
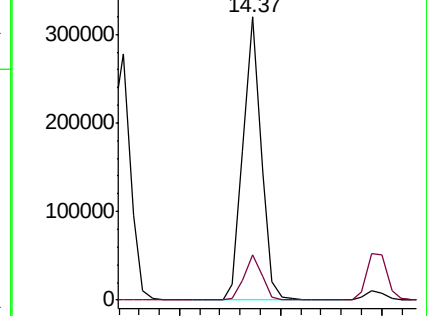
105 100

134 16.1 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 16.829 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

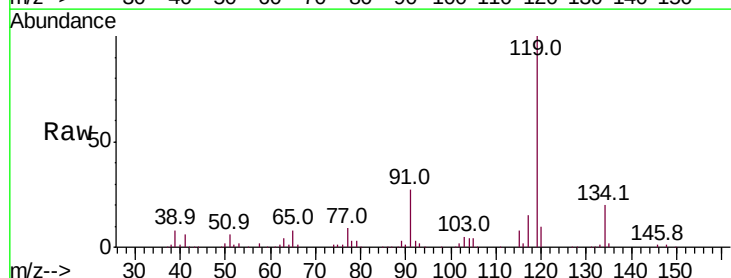
Tgt Ion:119 Resp: 349554

Ion Ratio Lower Upper

119 100

134 20.4 12.8 38.3

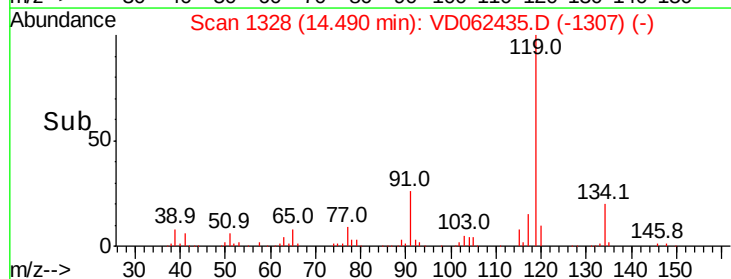
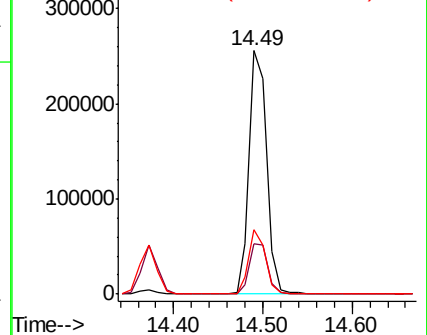
91 26.6 10.7 32.1

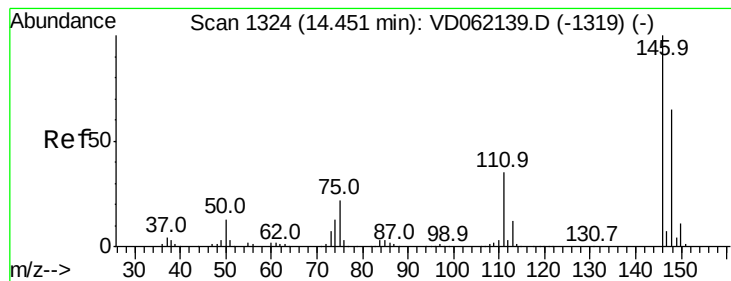


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.051 ug/l

RT: 14.46 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

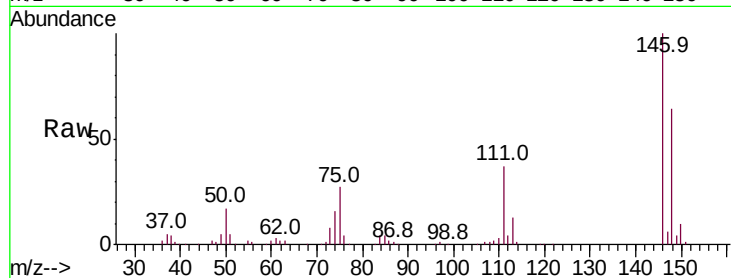
Tot Ion:146 Resp: 206800

Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.0	60.0
148	63.9	31.8	95.4

146 100

111 36.6 20.0 60.0

148 63.9 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

14.46

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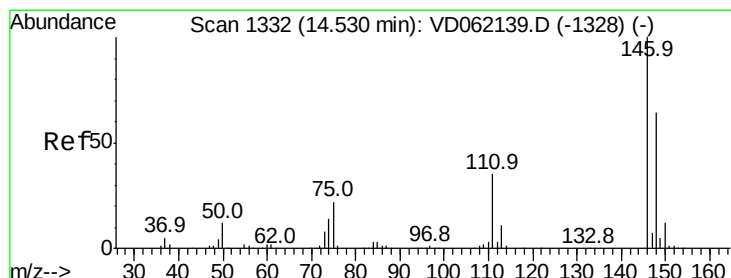
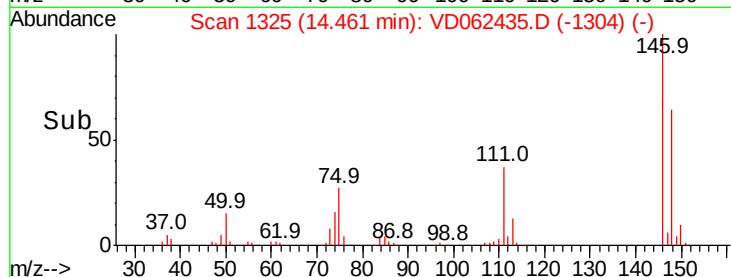
14.46

14.46

14.46

14.46

14.46



#88

1,4-Dichlorobenzene

Concen: 17.836 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

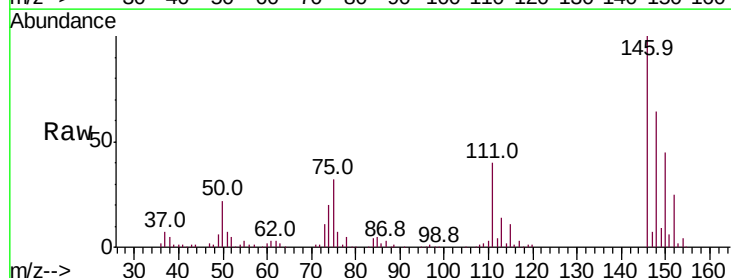
Tgt Ion:146 Resp: 200771

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.0	32.0	96.2

146 100

111 40.4 20.2 60.5

148 64.0 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

14.54

14.54

14.54

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14.54

14.54

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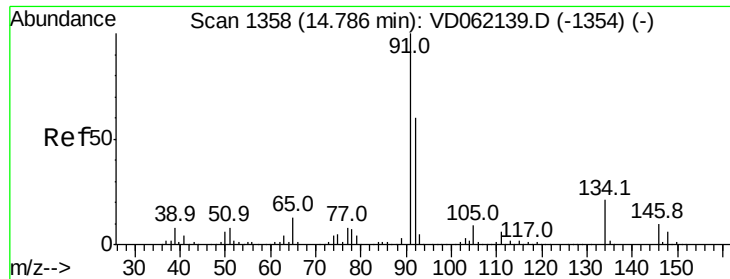
14.54

14.54

14.54

14.54

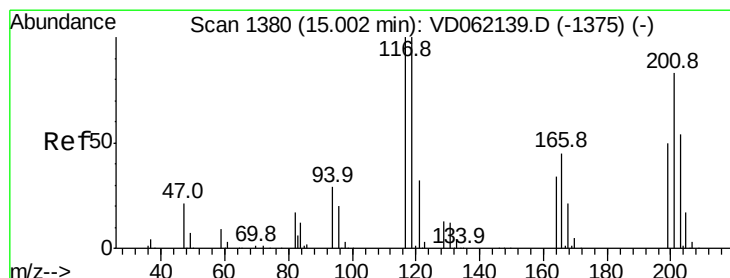
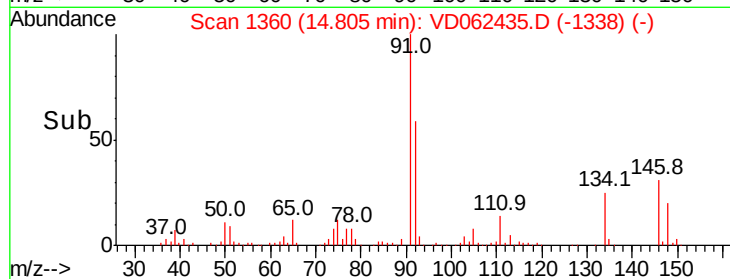
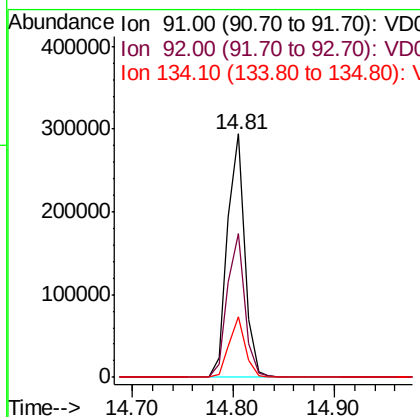
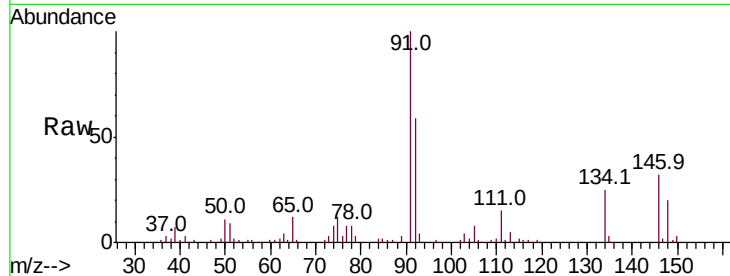
14.54



#89
n-Butylbenzene
Concen: 18.827 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

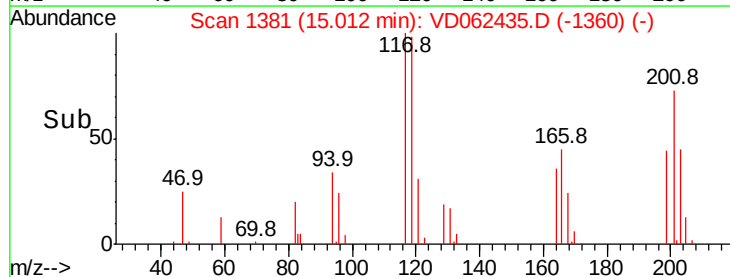
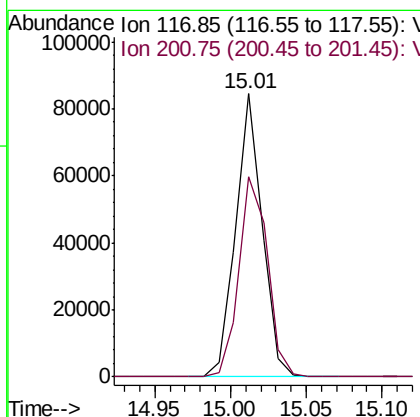
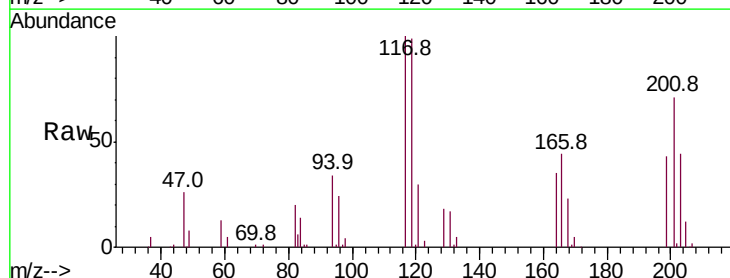
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

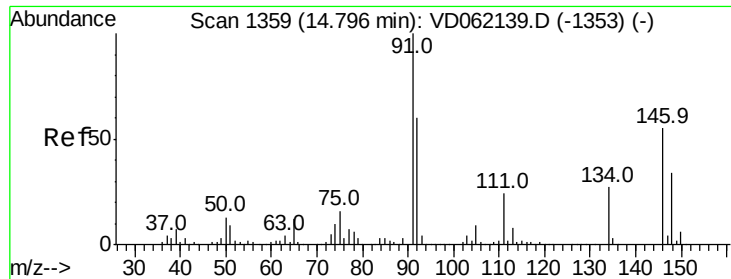
Tot Ion: 91 Resp: 351004
Ion Ratio Lower Upper
91 100
92 59.2 30.3 91.0
134 24.8 14.5 43.6



#90
Hexachloroethane
Concen: 18.060 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 117 Resp: 102016
Ion Ratio Lower Upper
117 100
201 70.6 30.2 90.6

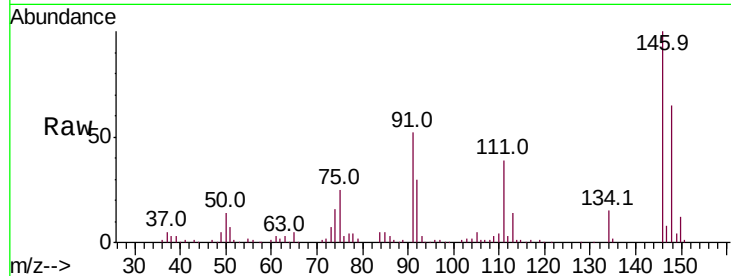




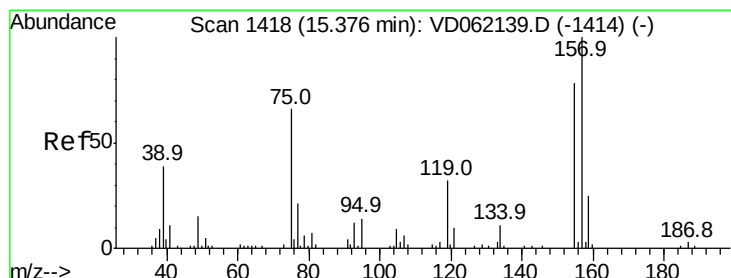
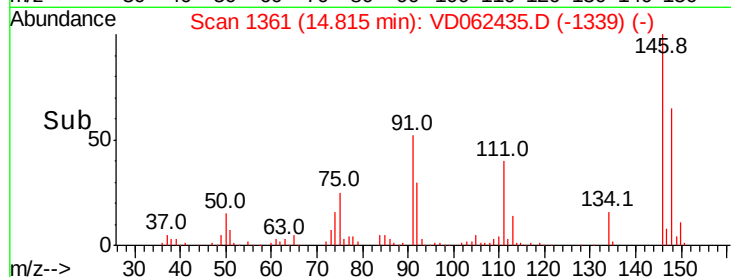
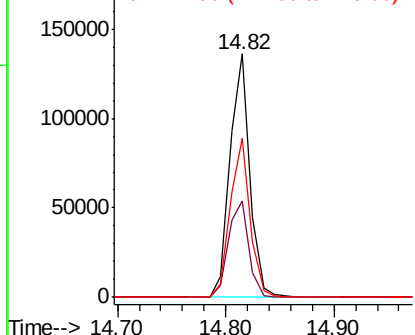
#91
 1,2-Dichlorobenzene
 Concen: 18.401 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

Tot Ion:146 Resp: 173613
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 65.1 32.3 96.8

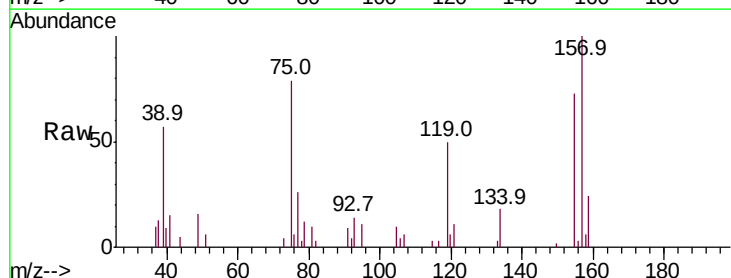


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

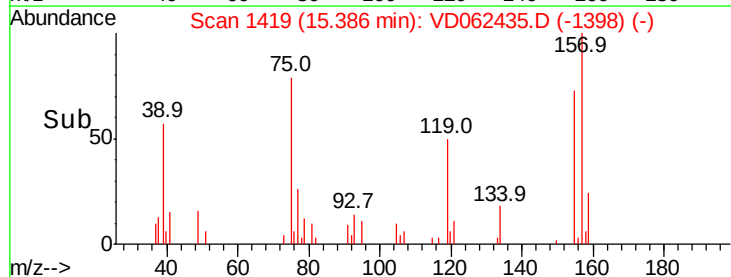
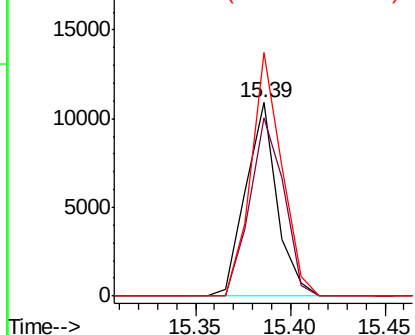


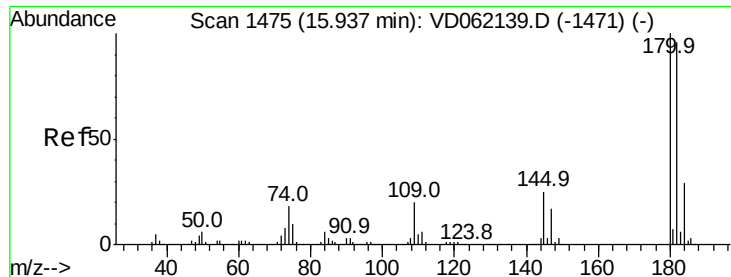
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.906 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 75 Resp: 12466
 Ion Ratio Lower Upper
 75 100
 155 92.4 55.3 165.8
 157 126.0 67.8 203.2



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

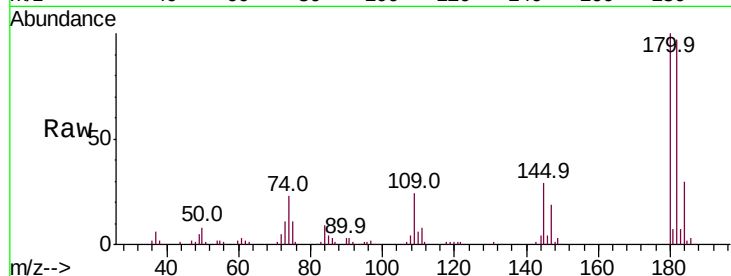




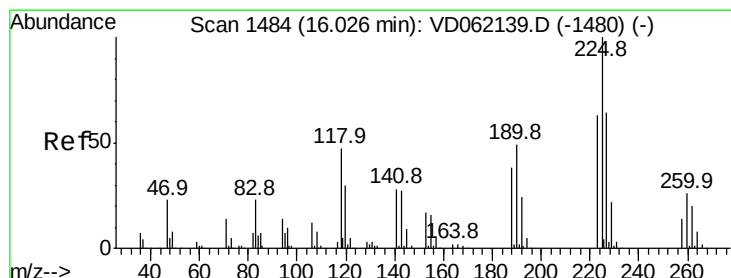
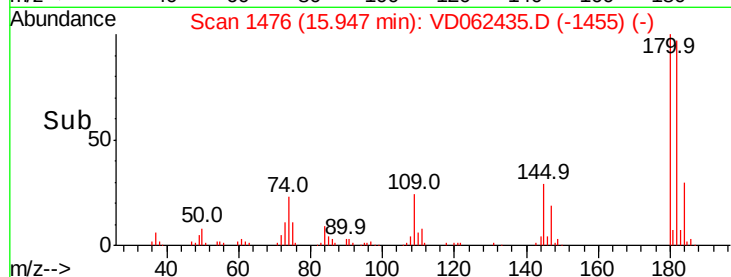
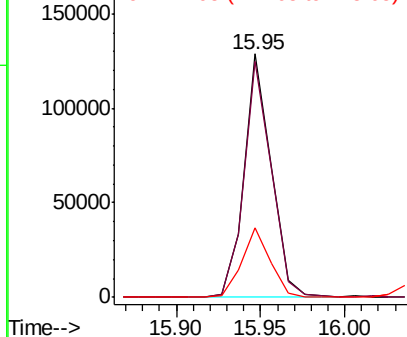
#93
 1,2,4-Trichlorobenzene
 Concen: 20.954 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

Tot Ion:180 Resp: 143903
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.3 147.8
 145 28.6 16.2 48.6

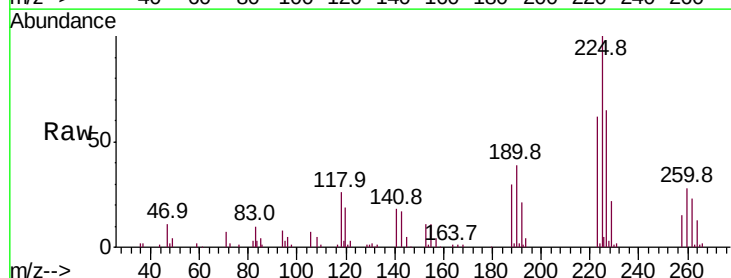


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

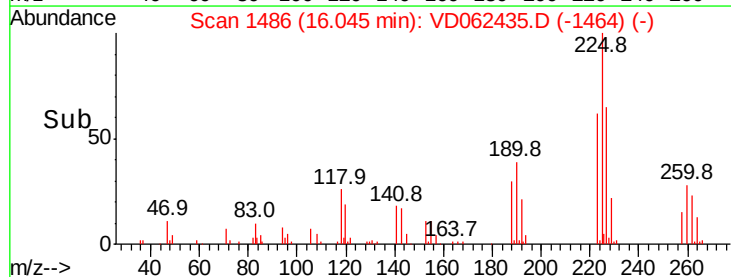
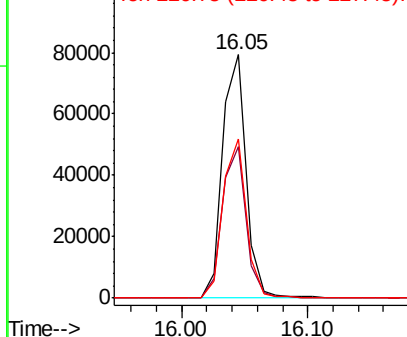


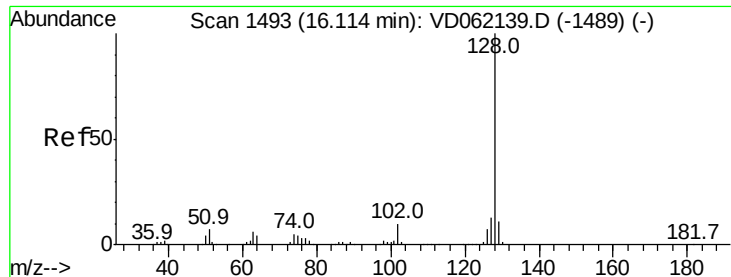
#94
 Hexachlorobutadiene
 Concen: 20.073 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion:225 Resp: 102527
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.6 92.0
 227 65.2 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: 20.351 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

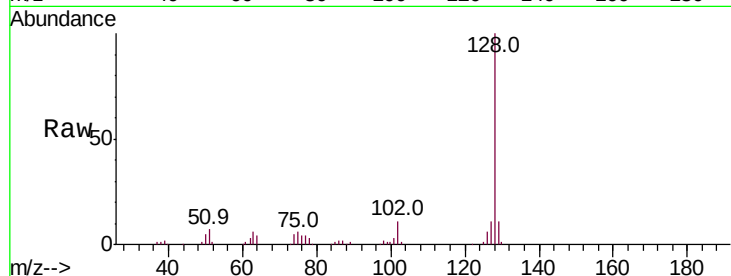
Tot Ion:128 Resp: 195114

Ion Ratio Lower Upper

128 100

127 11.4 9.8 14.8

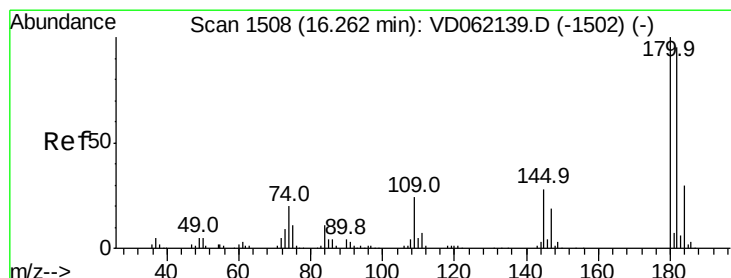
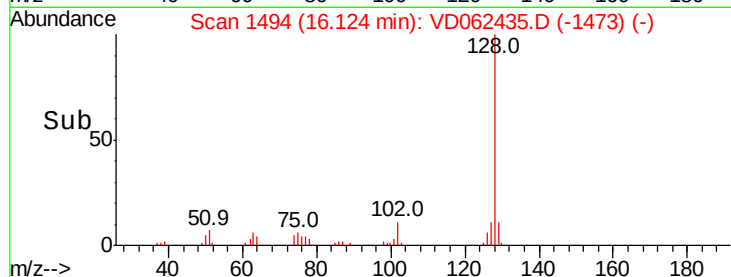
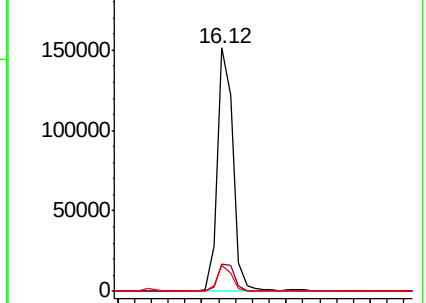
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 27.014 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

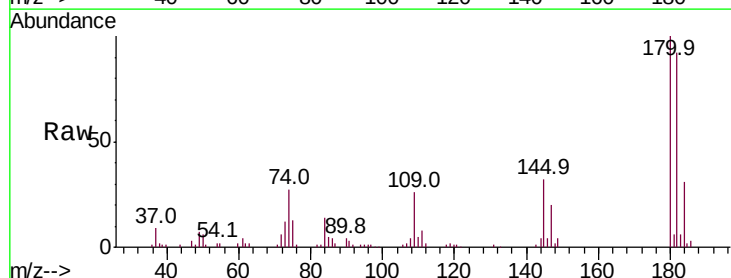
Tgt Ion:180 Resp: 116641

Ion Ratio Lower Upper

180 100

182 91.6 47.0 141.0

145 32.3 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

