

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062387.D
 Acq On : 15 May 2019 14:47
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 16 03:56:23 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	7.06	168	655920	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	909640	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	761671	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	397555	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	325762	53.44	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	6.94	113	390370	51.72	ug/l	0.04
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.42	98	815176	44.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	89.60%	
62) 4-Bromofluorobenzene	13.56	95	370948	50.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	93936	14.974	ug/l	98
3) Chloromethane	1.75	50	67446	14.879	ug/l	94
4) Vinyl Chloride	1.86	62	64811	14.548	ug/l	96
5) Bromomethane	2.16	94	23916	22.911	ug/l	93
6) Chloroethane	2.26	64	32622	17.451	ug/l	98
7) Trichlorofluoromethane	2.54	101	182128	21.029	ug/l	94
8) Diethyl Ether	2.88	74	23769	14.230	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	109402	16.698	ug/l	98
10) Methyl Iodide	3.32	142	103652	10.468	ug/l #	79
11) Tert butyl alcohol	4.09	59	27237	87.538	ug/l	99
12) 1,1-Dichloroethene	3.13	96	74974	14.991	ug/l	85
13) Acrolein	3.04	56	25497	79.228	ug/l #	63
14) Allyl chloride	3.63	41	120597	16.584	ug/l #	77
15) Acrylonitrile	4.20	53	67697	82.776	ug/l #	89
16) Acetone	3.23	43	127672	99.876	ug/l #	85
17) Carbon Disulfide	3.39	76	181832	12.639	ug/l	100
18) Methyl Acetate	3.65	43	37863	16.357	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	193813	18.080	ug/l	93
20) Methylene Chloride	3.83	84	86577	16.221	ug/l #	83
21) trans-1,2-Dichloroethene	4.23	96	89390	16.062	ug/l	98
22) Diisopropyl ether	5.14	45	275520	17.805	ug/l	92
23) Vinyl Acetate	5.08	43	766033	93.826	ug/l	96
24) 1,1-Dichloroethane	5.00	63	165185	17.695	ug/l	100
25) 2-Butanone	6.08	43	133804	95.964	ug/l #	90
26) 2,2-Dichloropropane	6.04	77	182651	19.642	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	100697	16.165	ug/l	86
28) Bromochloromethane	6.45	49	89293	24.312	ug/l	80
29) Tetrahydrofuran	6.48	42	55886	86.989	ug/l	90
30) Chloroform	6.68	83	217629	19.344	ug/l	96
31) Cyclohexane	6.96	56	106139	16.596	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	209702	19.720	ug/l	97
36) 1,1-Dichloropropene	7.16	75	133471	17.896	ug/l	95
37) Ethyl Acetate	6.19	43	59219	18.723	ug/l	95
38) Carbon Tetrachloride	7.12	117	199130	19.290	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	117461	16.438	ug/l	98
40) Benzene	7.47	78	269980	16.031	ug/l	95
41) Methacrylonitrile	6.46	41	69455	17.969	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	144455	20.245	ug/l	92
43) Isopropyl Acetate	9.25	43	76686	17.096	ug/l	100
44) Trichloroethene	8.55	130	100305	15.630	ug/l	73
45) 1,2-Dichloropropane	8.96	63	72479	17.399	ug/l	100
46) Dibromomethane	9.07	93	62913	18.572	ug/l	99
47) Bromodichloromethane	9.39	83	150026	18.106	ug/l	98
48) Methyl methacrylate	9.13	41	51878	18.776	ug/l #	84
49) 1,4-Dioxane	9.09	88	9175	307.765	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	265996	92.249	ug/l	92
52) Toluene	10.52	92	177438	16.193	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	127833	17.850	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	134169	17.173	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	64891	16.737	ug/l	95
56) Ethyl methacrylate	11.05	69	70142	17.410	ug/l #	77
57) 1,3-Dichloropropane	11.42	76	96744	16.517	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	239234	108.707	ug/l	100
59) 2-Hexanone	11.54	43	210661	99.124	ug/l	91
60) Dibromochloromethane	11.69	129	116924	17.450	ug/l	97
61) 1,2-Dibromoethane	11.81	107	76753	16.283	ug/l	93
64) Tetrachloroethene	11.27	164	95984	16.116	ug/l	93
65) Chlorobenzene	12.41	112	241047	16.991	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	109582	17.749	ug/l	95
67) Ethyl Benzene	12.53	91	426909	17.975	ug/l	94
68) m/p-Xylenes	12.68	106	282861	32.735	ug/l	80
69) o-Xylene	13.06	106	135169	16.826	ug/l	91
70) Styrene	13.08	104	216877	15.937	ug/l	95
71) Bromoform	13.25	173	70433	16.397	ug/l #	96
73) Isopropylbenzene	13.41	105	380203	15.954	ug/l	92
74) N-amyl acetate	13.28	43	111850	17.902	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	77162	17.104	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	83671	17.710	ug/l	96
77) Bromobenzene	13.68	156	107506	16.115	ug/l	97
78) n-propylbenzene	13.78	91	510782	17.968	ug/l	92
79) 2-Chlorotoluene	13.85	91	276448	16.980	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	356390	17.760	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	21250	15.932	ug/l #	83
82) 4-Chlorotoluene	13.95	91	349708	18.253	ug/l	86
83) tert-Butylbenzene	14.20	119	400482	17.755	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	389168	19.325	ug/l	88
85) sec-Butylbenzene	14.38	105	458030	18.521	ug/l	97
86) p-Isopropyltoluene	14.50	119	324820	14.701	ug/l	90
87) 1,3-Dichlorobenzene	14.47	146	209782	17.214	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	211361	17.652	ug/l	98
89) n-Butylbenzene	14.80	91	398247	20.081	ug/l	92
90) Hexachloroethane	15.02	117	103547	17.233	ug/l	70
91) 1,2-Dichlorobenzene	14.81	146	187440	18.676	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12021	16.232	ug/l	92

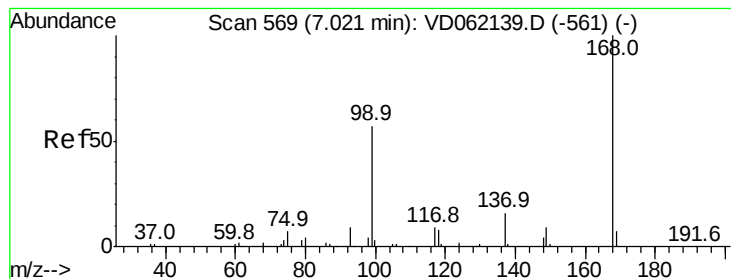
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	135990	18.616	ug/l	96
94) Hexachlorobutadiene	16.04	225	103066	18.969	ug/l	96
95) Naphthalene	16.13	128	172359	16.900	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	97300	21.184	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

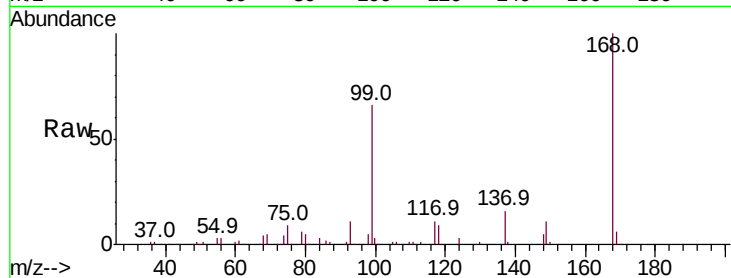
VD0515SBS01

Tot Ion:168 Resp: 655920

Ion Ratio Lower Upper

168 100

99 66.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

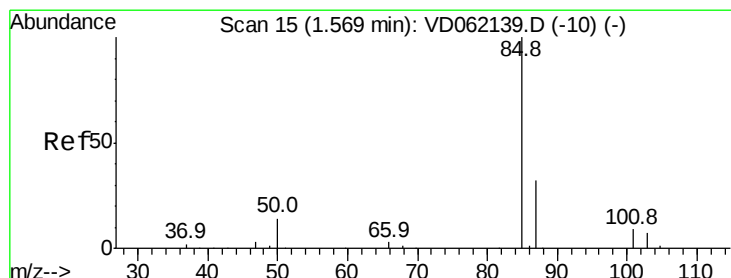
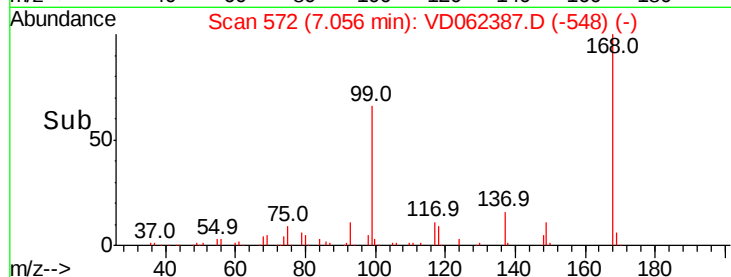
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 14.974 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062387.D

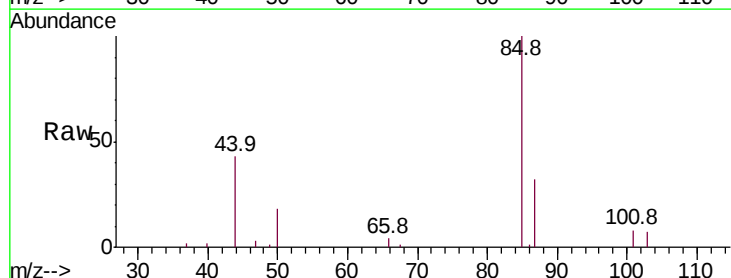
Acq: 15 May 2019 14:47

Tgt Ion: 85 Resp: 93936

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

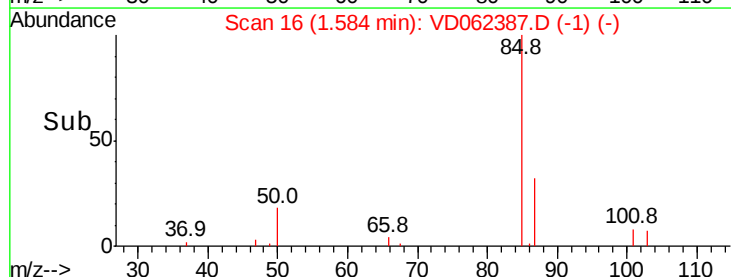
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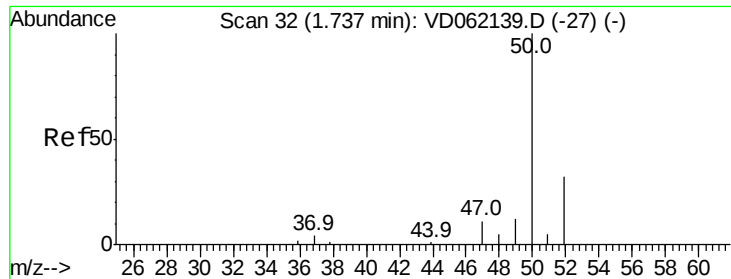
10000

0

1.50 1.60 1.70

Time-->

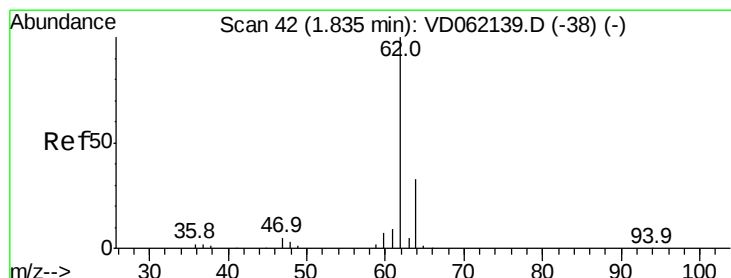
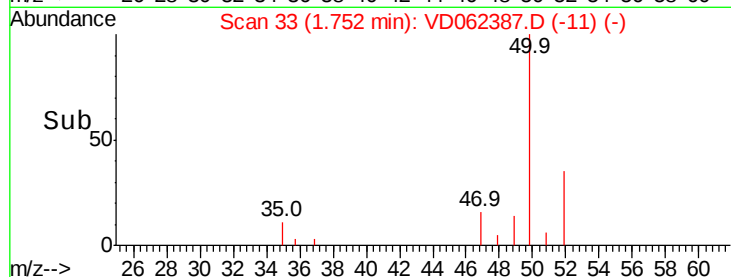
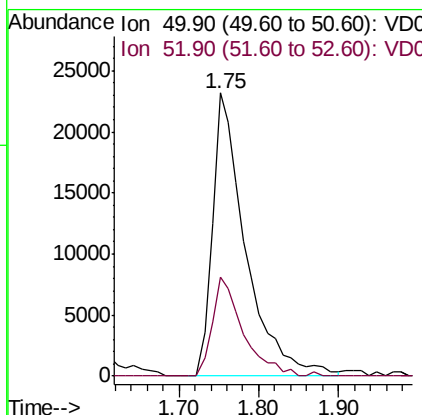
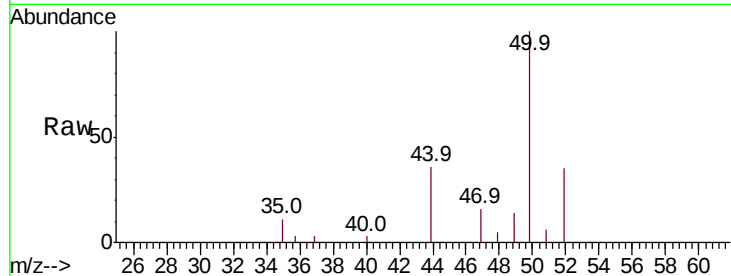




#3
Chloromethane
Concen: 14.879 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

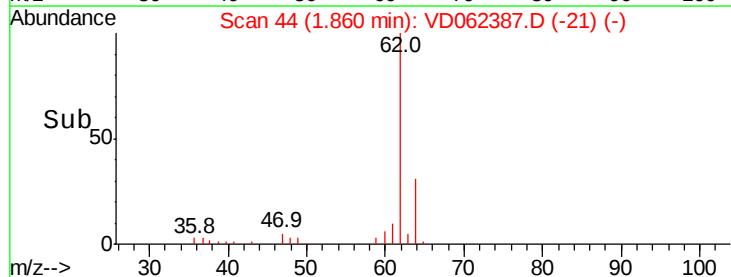
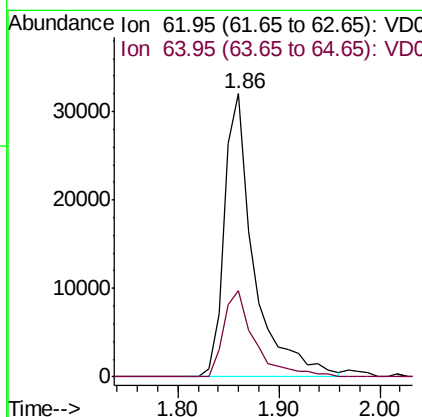
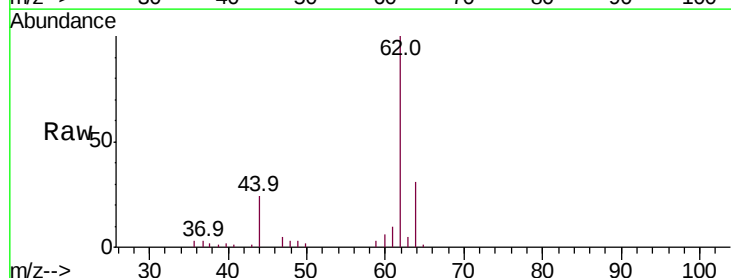
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

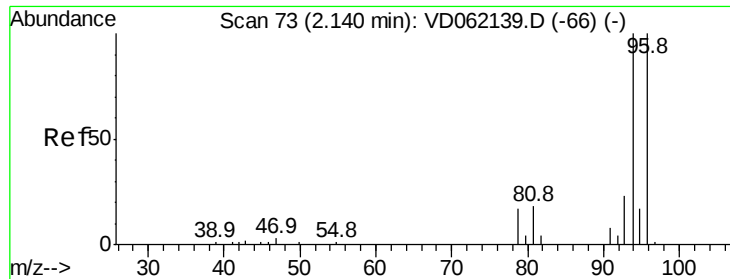
Tot Ion: 50 Resp: 67446
Ion Ratio Lower Upper
50 100
52 35.0 25.2 37.8



#4
Vinyl Chloride
Concen: 14.548 ug/l
RT: 1.86 min Scan# 44
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 62 Resp: 64811
Ion Ratio Lower Upper
62 100
64 30.6 26.5 39.7





#5

Bromomethane

Concen: 22.911 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

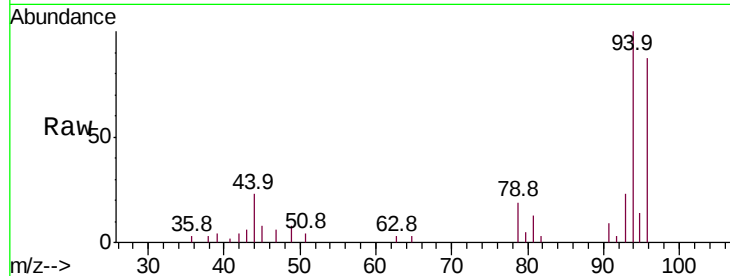
Tot Ion: 94 Resp: 23916

Ion Ratio Lower Upper

94 100

96 87.2 76.6 115.0

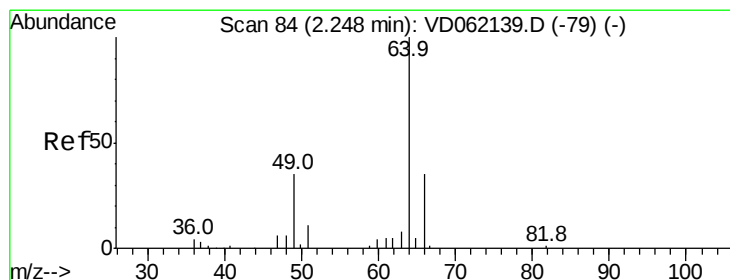
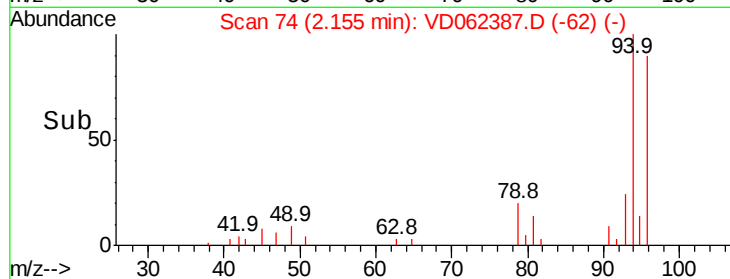
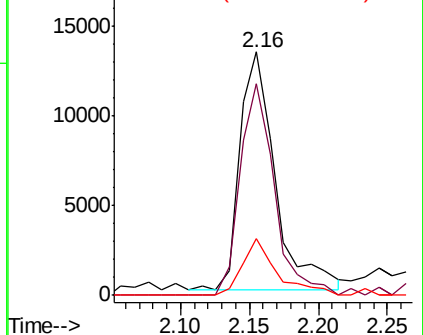
93 23.1 18.5 27.7



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: 17.451 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062387.D

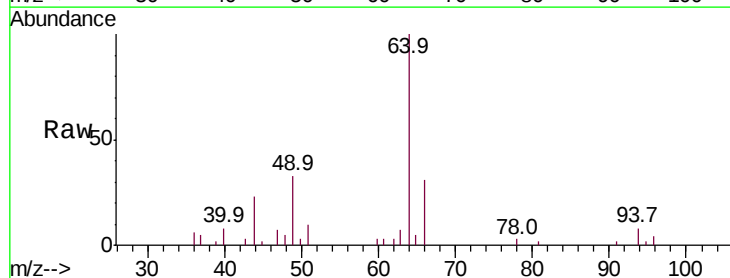
Acq: 15 May 2019 14:47

Tgt Ion: 64 Resp: 32622

Ion Ratio Lower Upper

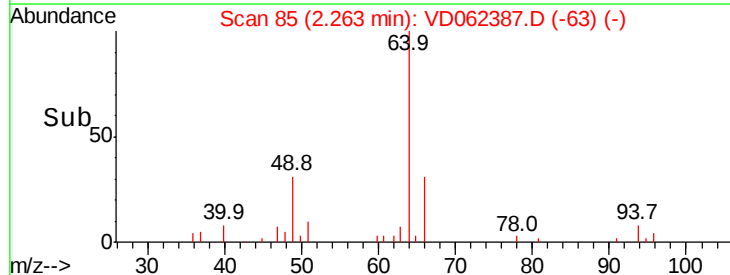
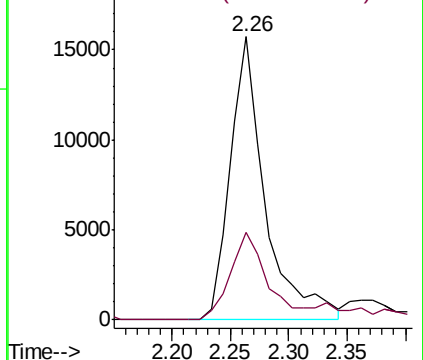
64 100

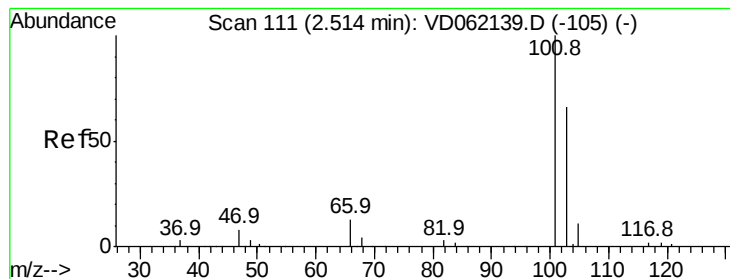
66 30.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



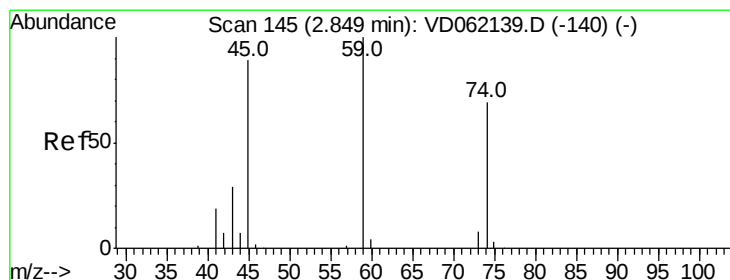
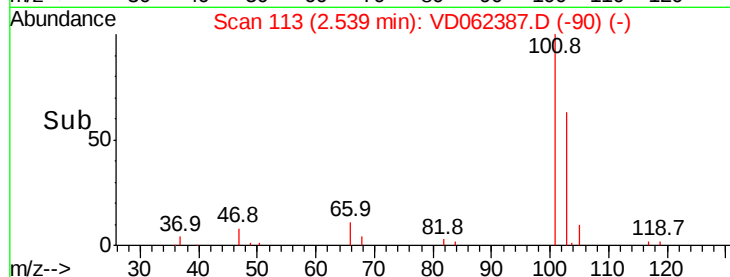
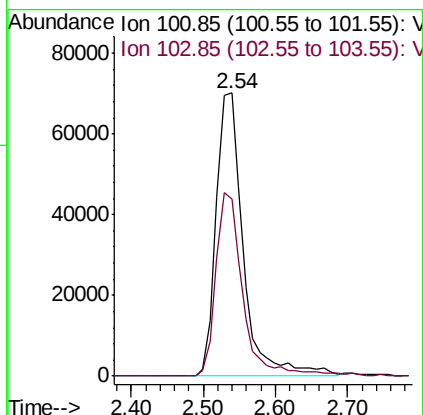
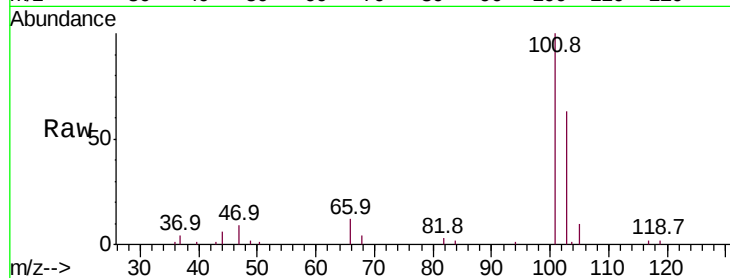


#7

Trichlorofluoromethane
 Concen: 21.029 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Instrument :
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 VD0515SBS01

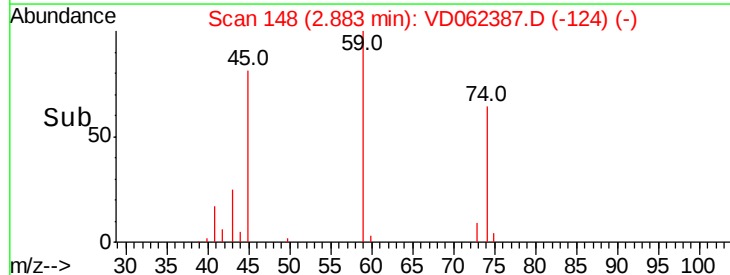
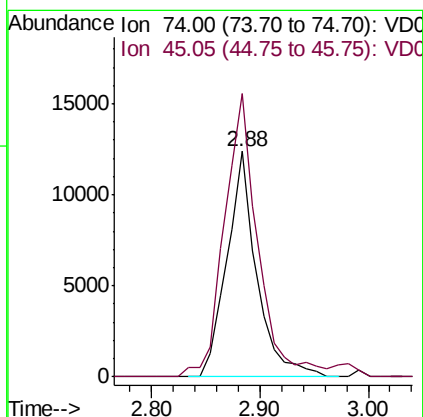
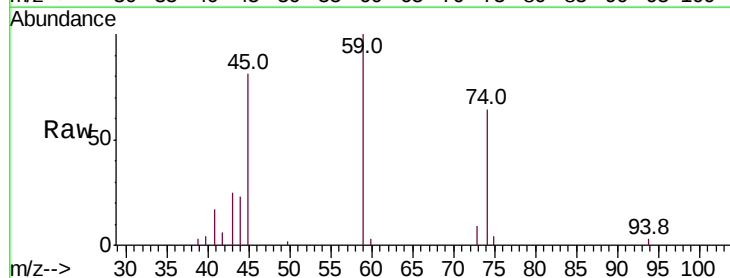
Tot Ion:101 Resp: 182128
 Ion Ratio Lower Upper
 101 100
 103 62.5 53.6 80.4

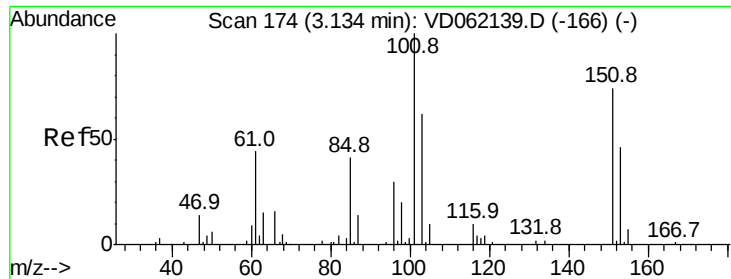


#8

Diethyl Ether
 Concen: 14.230 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion: 74 Resp: 23769
 Ion Ratio Lower Upper
 74 100
 45 125.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.698 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

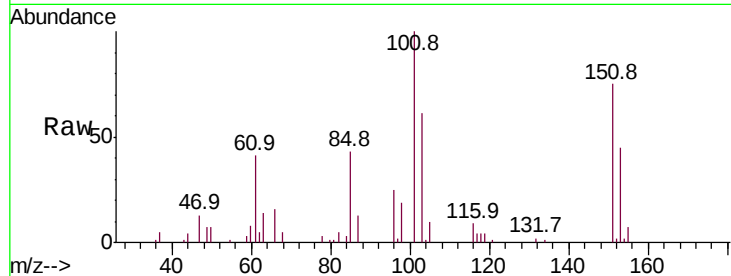
Tot Ion:101 Resp: 109402

Ion Ratio Lower Upper

101 100

85 43.1 32.4 48.6

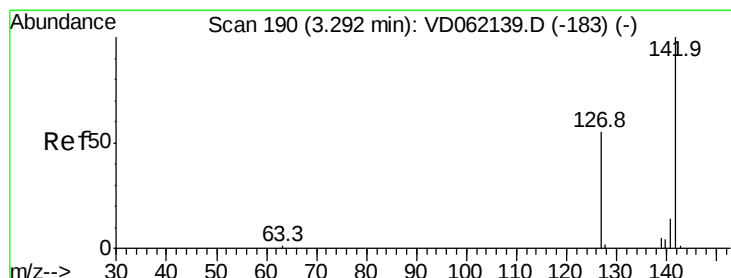
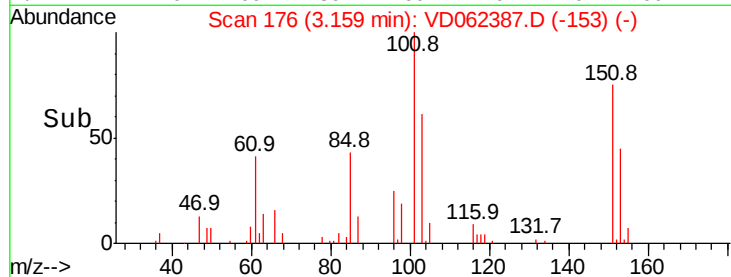
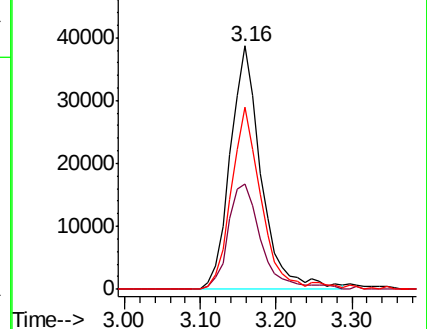
151 74.7 59.4 89.0



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: 10.468 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

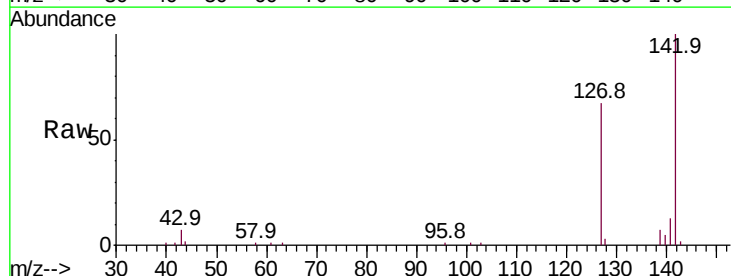
Tgt Ion:142 Resp: 103652

Ion Ratio Lower Upper

142 100

127 66.8 38.8 58.2#

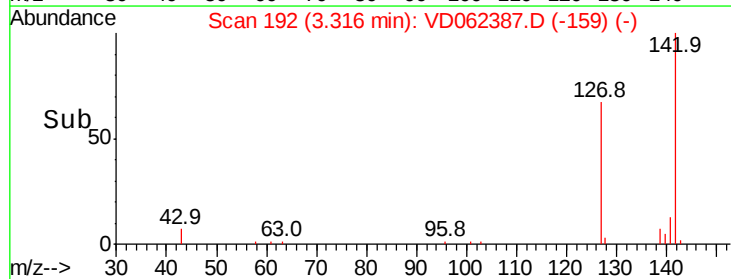
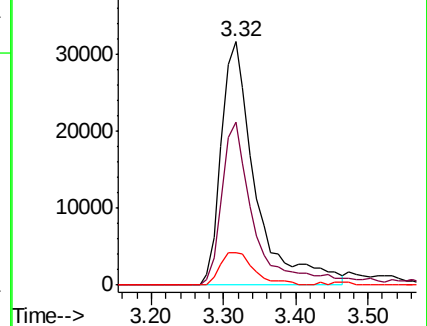
141 13.4 11.4 17.0

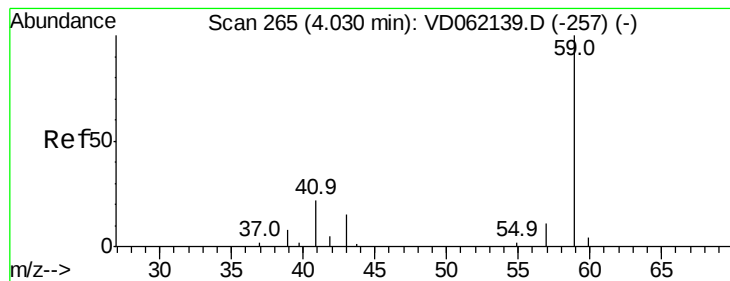


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



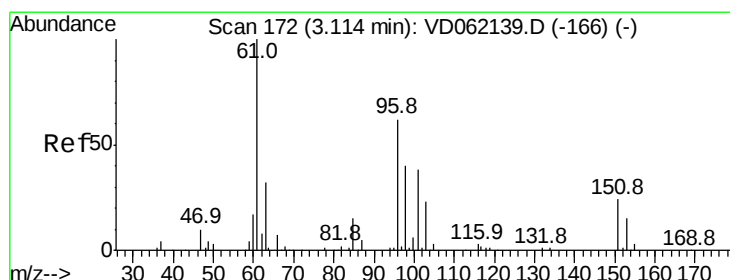
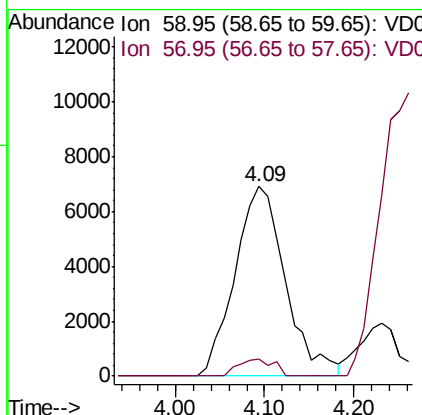
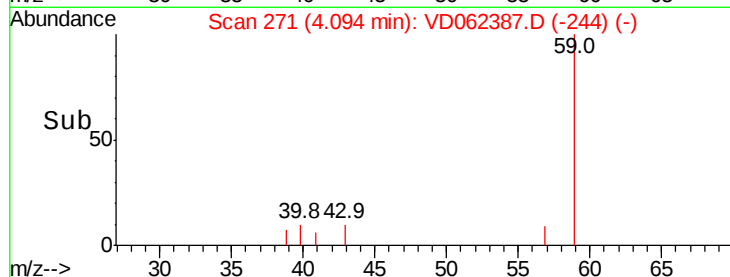
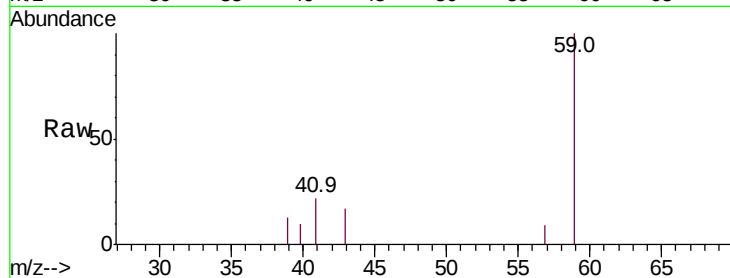


#11

Tert butyl alcohol
Concen: 87.538 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.06 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

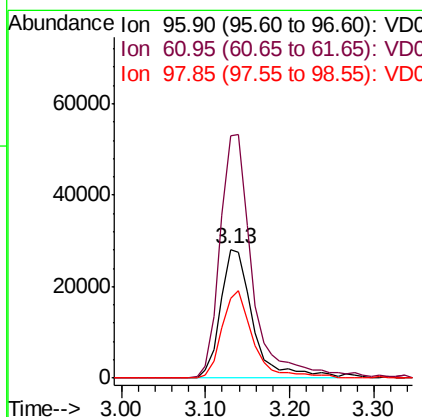
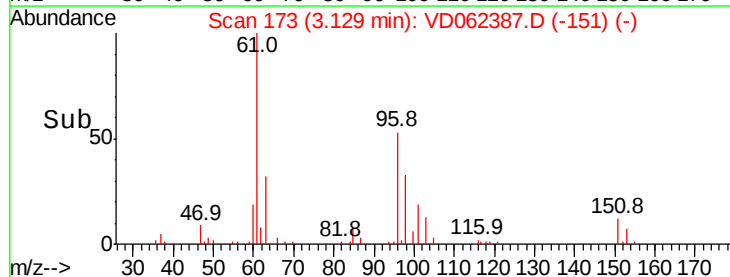
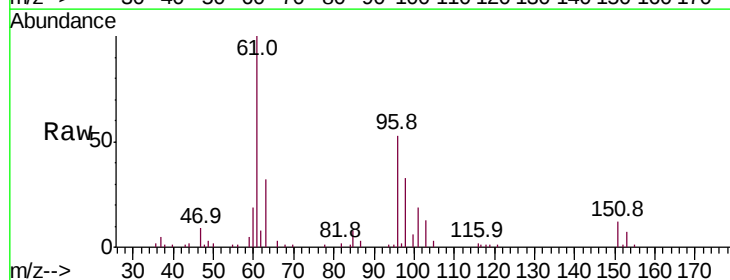
Tot Ion: 59 Resp: 27237
Ion Ratio Lower Upper
59 100
57 8.9 6.9 10.3

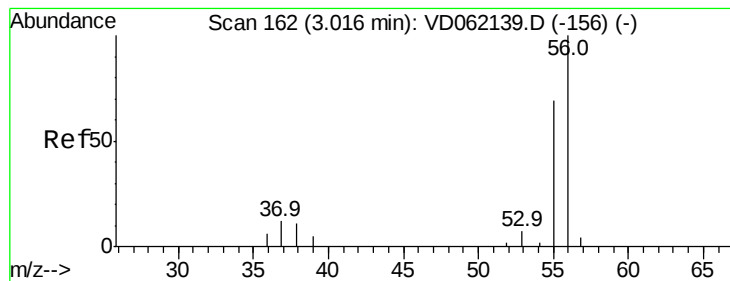


#12

1,1-Dichloroethene
Concen: 14.991 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 96 Resp: 74974
Ion Ratio Lower Upper
96 100
61 188.6 129.8 194.8
98 61.7 51.2 76.8





#13

Acrolein

Concen: 79.228 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

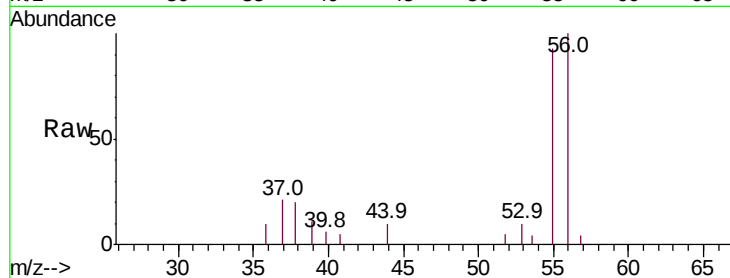
VD0515SBS01

Tot Ion: 56 Resp: 25497

Ion Ratio Lower Upper

56 100

55 93.0 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

6000

4000

2000

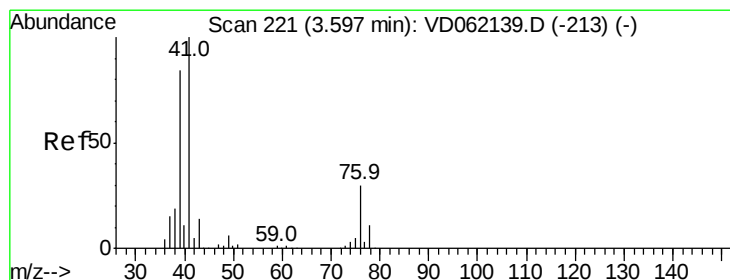
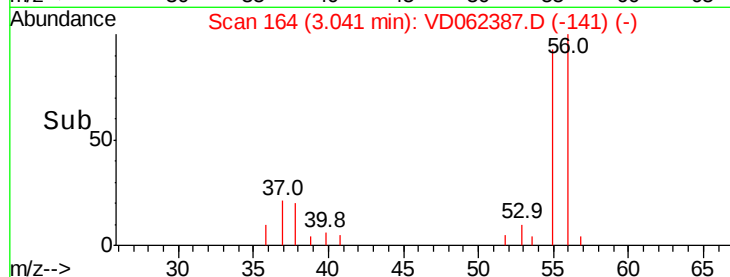
0

3.04

3.10

3.20

Time-->



#14

Allyl chloride

Concen: 16.584 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

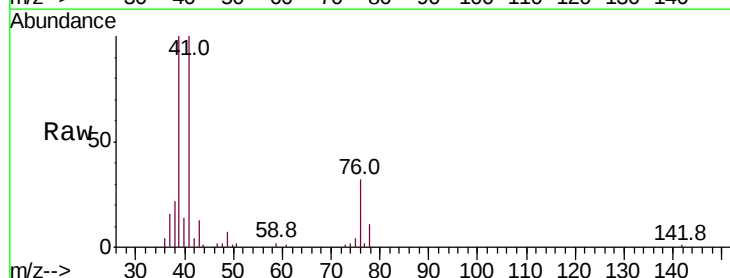
Tgt Ion: 41 Resp: 120597

Ion Ratio Lower Upper

41 100

39 100.3 60.5 90.7#

76 31.7 31.8 47.8#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

60000

50000

40000

30000

20000

10000

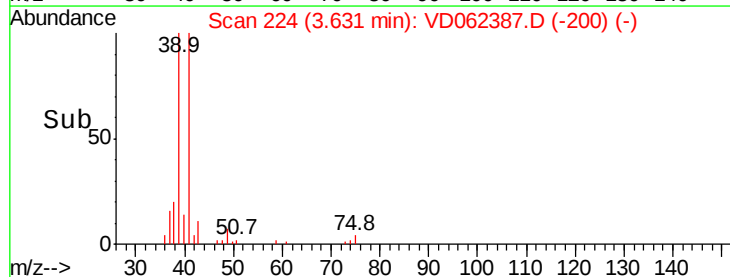
0

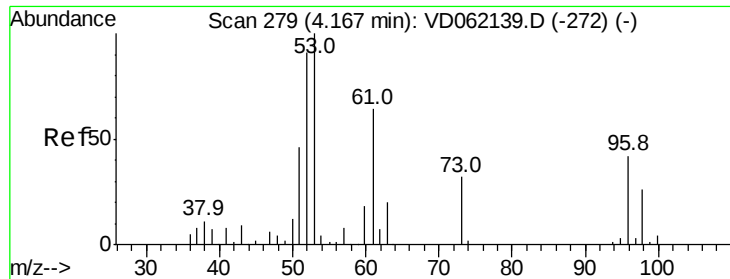
3.63

3.70

3.80

Time-->





#15

Acrylonitrile

Concen: 82.776 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

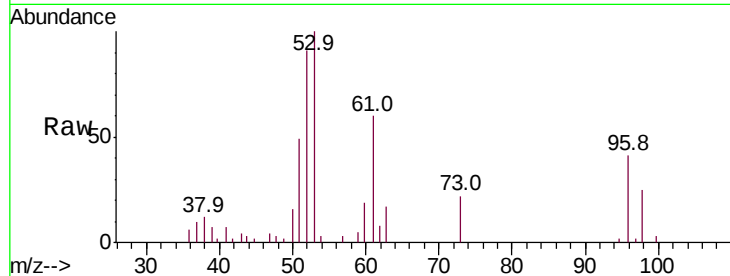
Tot Ion: 53 Resp: 67697

Ion Ratio Lower Upper

53 100

52 90.6 65.0 97.4

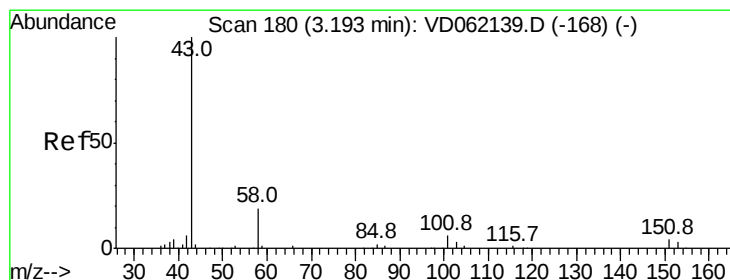
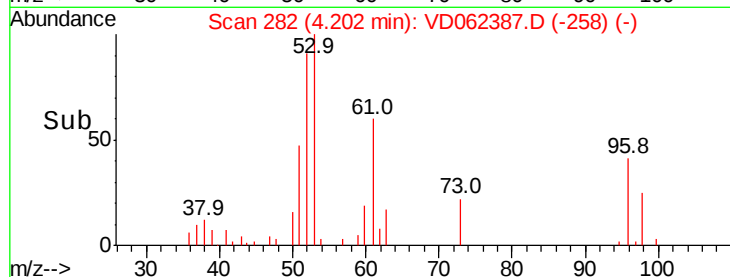
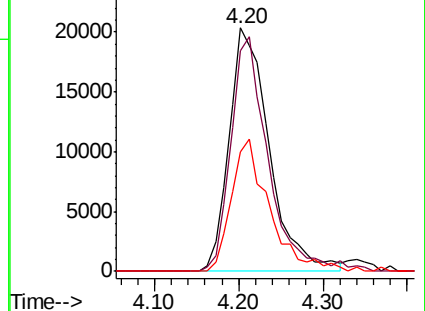
51 49.1 32.6 48.8#



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: 99.876 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062387.D

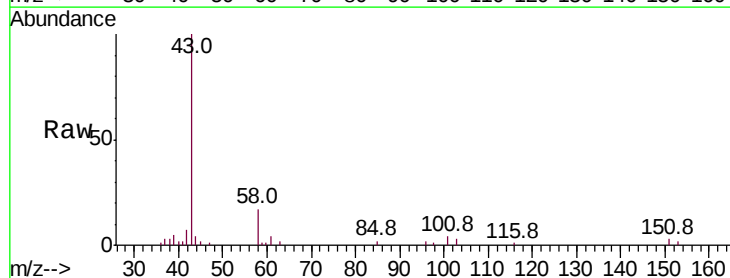
Acq: 15 May 2019 14:47

Tgt Ion: 43 Resp: 127672

Ion Ratio Lower Upper

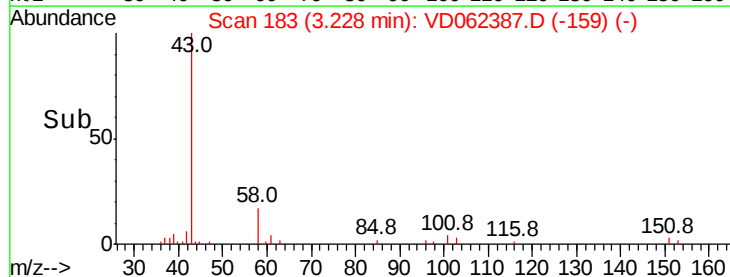
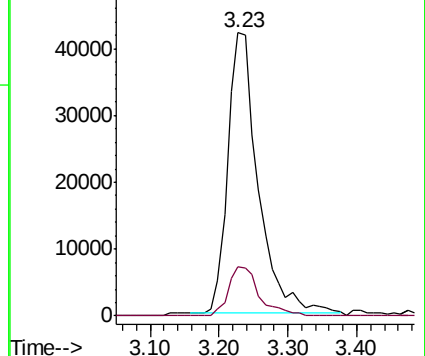
43 100

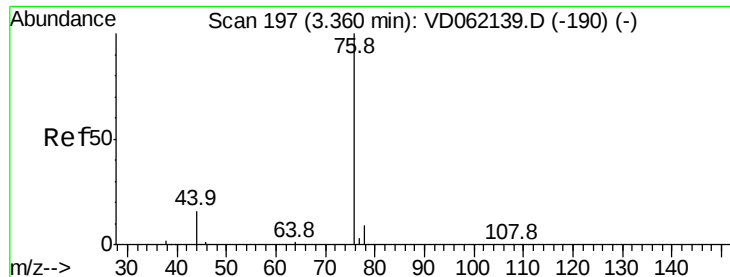
58 17.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

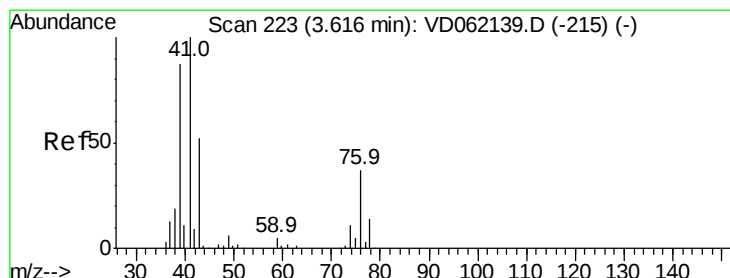
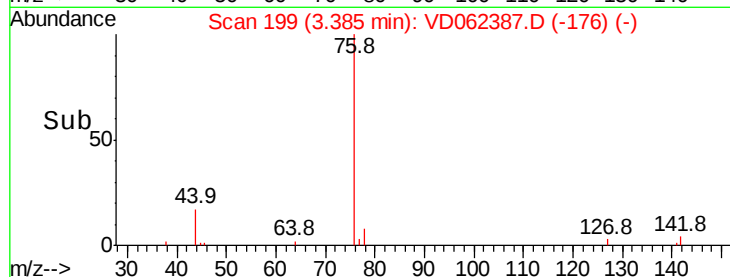
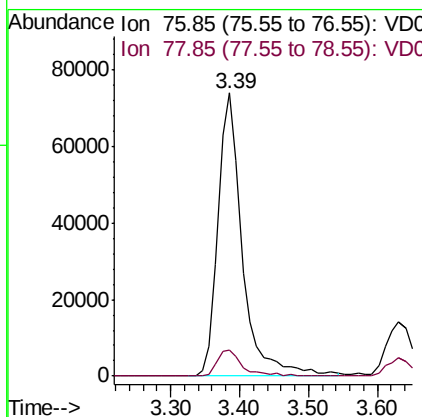
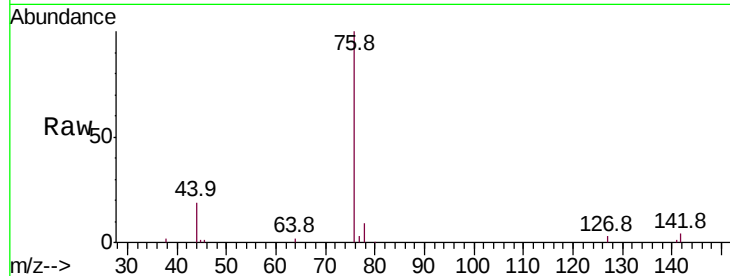




#17
Carbon Disulfide
Concen: 12.639 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

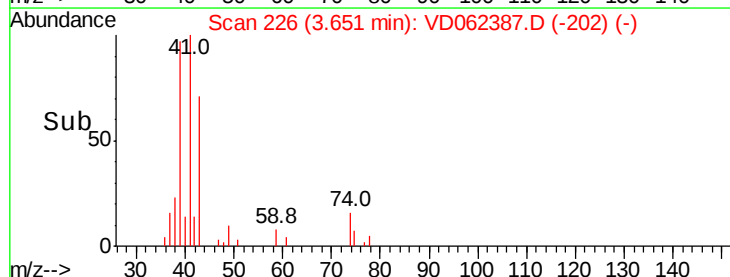
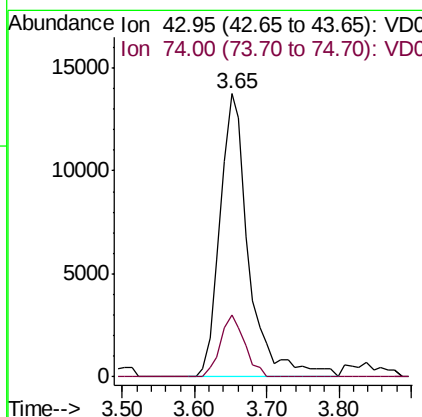
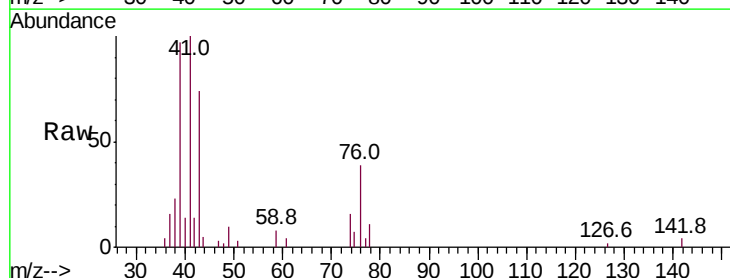
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

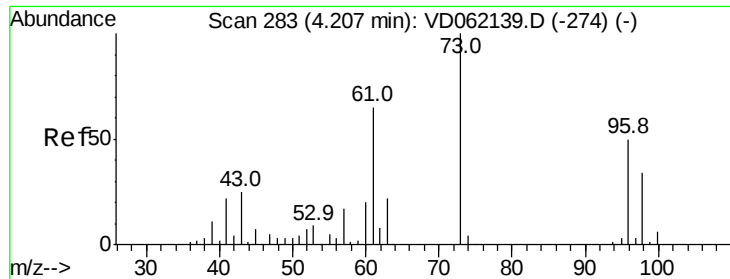
Tot Ion: 76 Resp: 181832
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 16.357 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 43 Resp: 37863
Ion Ratio Lower Upper
43 100
74 21.8 18.0 27.0

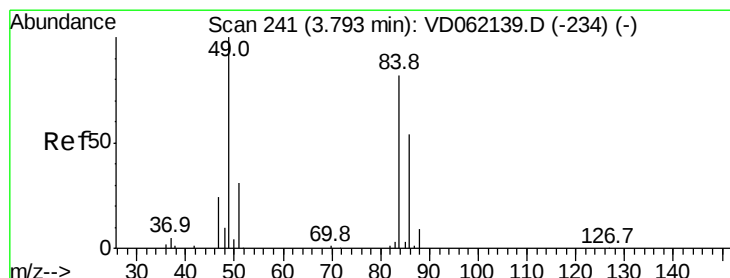
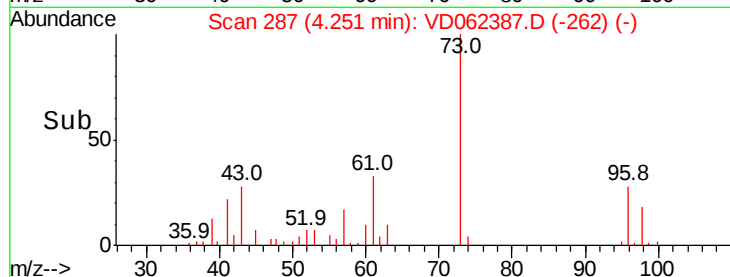
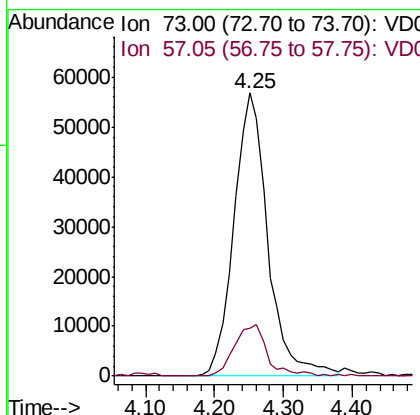
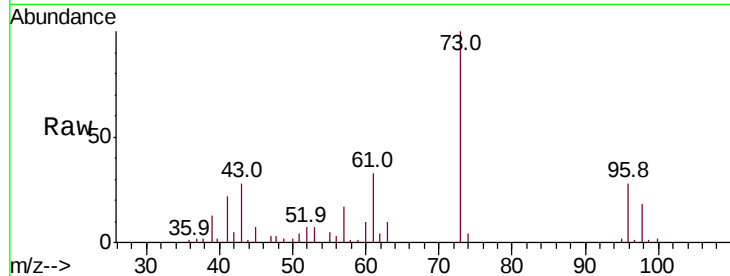




#19
Methyl tert-butyl Ether
Concen: 18.080 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

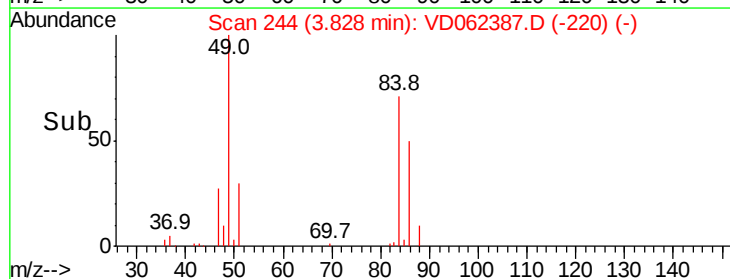
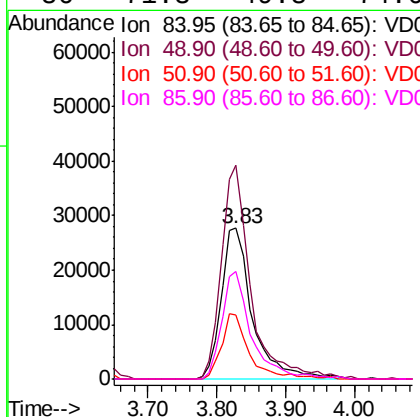
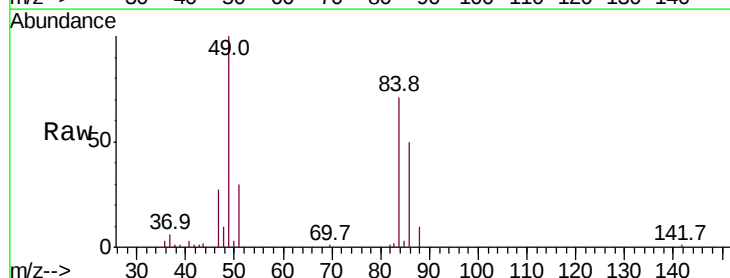
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

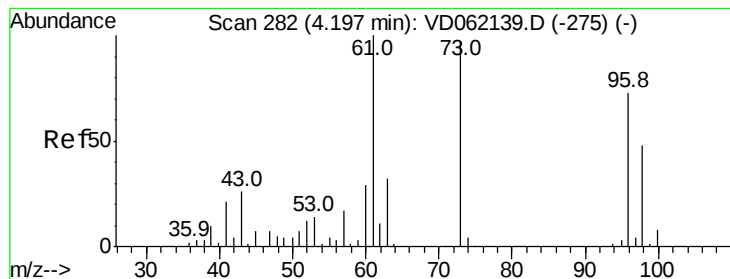
Tot Ion: 73 Resp: 193813
Ion Ratio Lower Upper
73 100
57 17.0 16.3 24.5



#20
Methylene Chloride
Concen: 16.221 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 84 Resp: 86577
Ion Ratio Lower Upper
84 100
49 141.6 94.0 141.0#
51 42.1 29.0 43.4
86 71.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 16.062 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

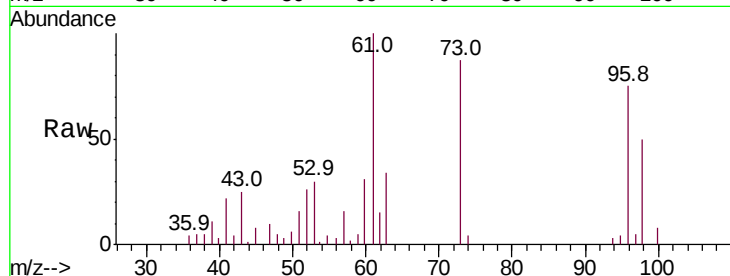
Tot Ion: 96 Resp: 89390

Ion Ratio Lower Upper

96 100

61 133.0 104.4 156.6

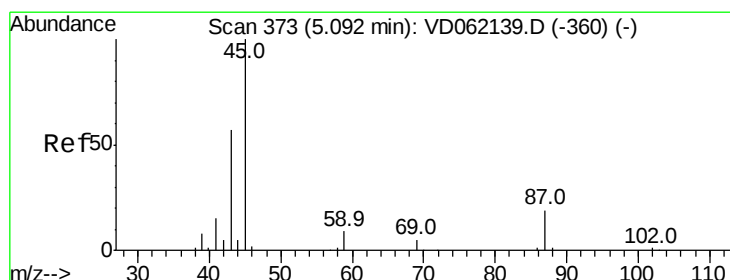
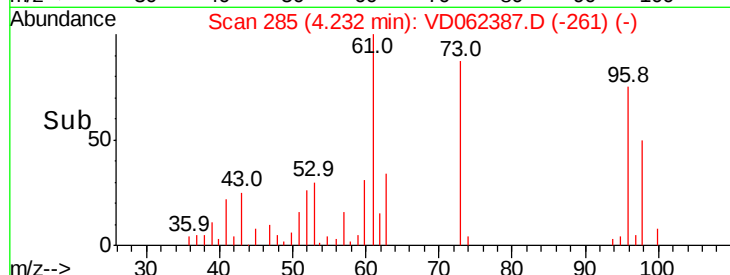
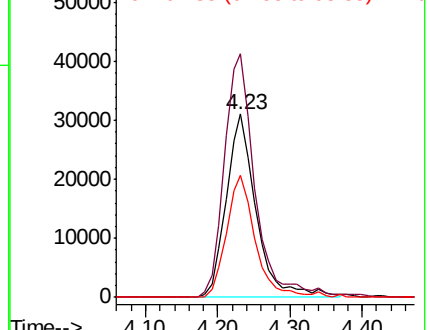
98 66.3 51.8 77.8



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: 17.805 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Tgt Ion: 45 Resp: 275520

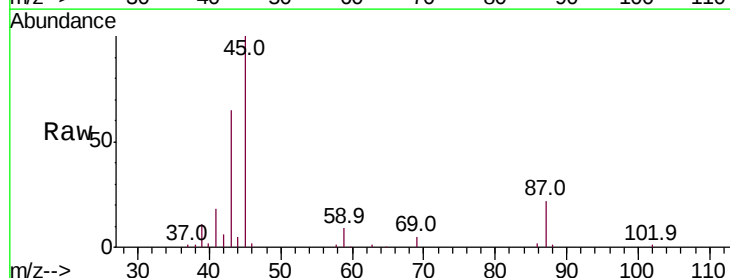
Ion Ratio Lower Upper

45 100

43 65.0 46.2 69.2

87 22.2 15.9 23.9

59 9.4 7.9 11.9

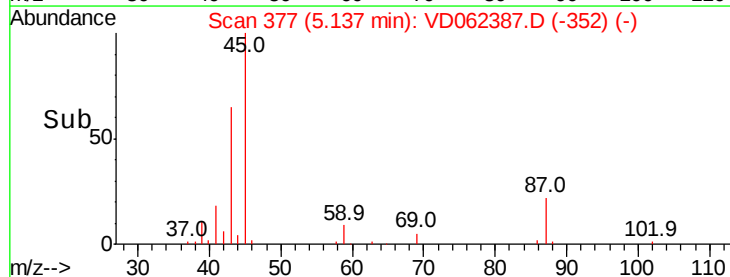
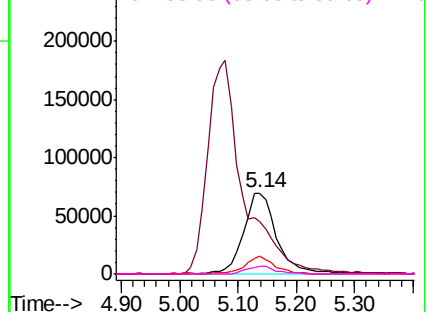


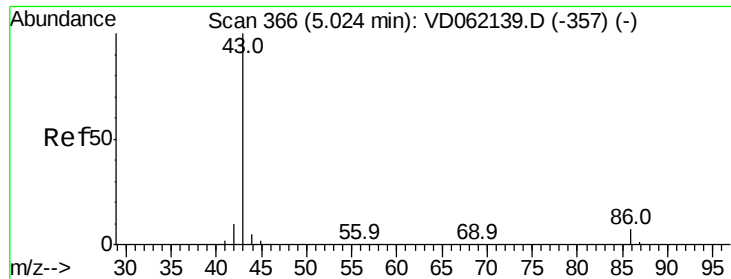
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

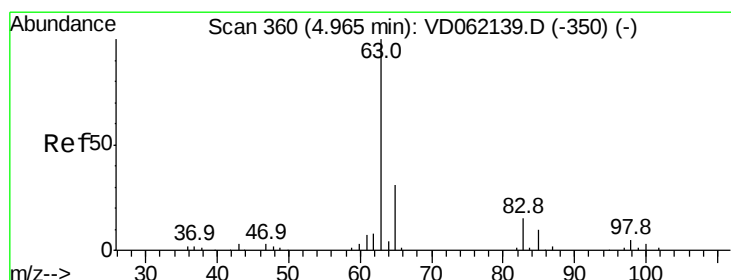
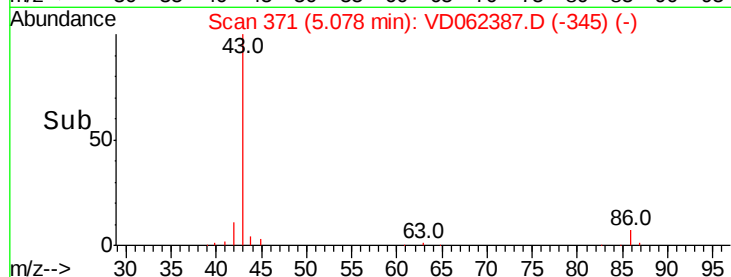
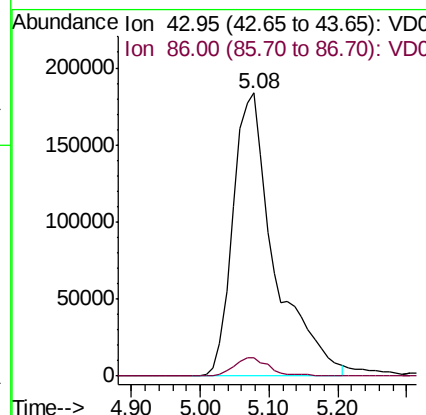
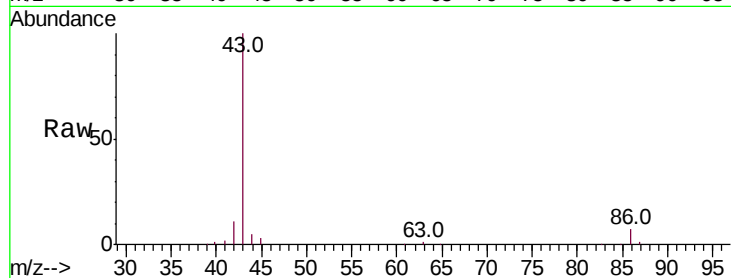




#23
 Vinyl Acetate
 Concen: 93.826 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. 0.05 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

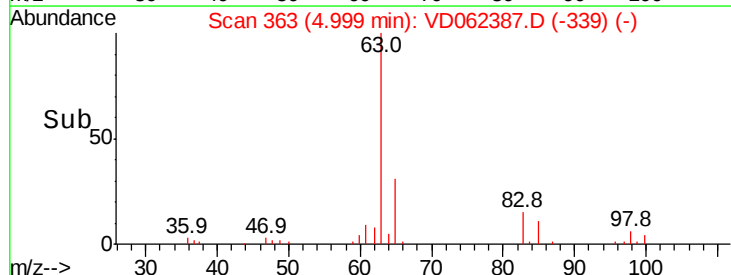
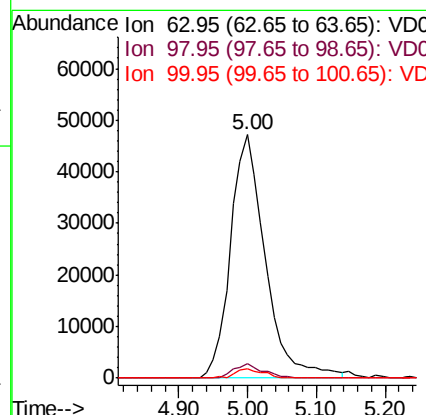
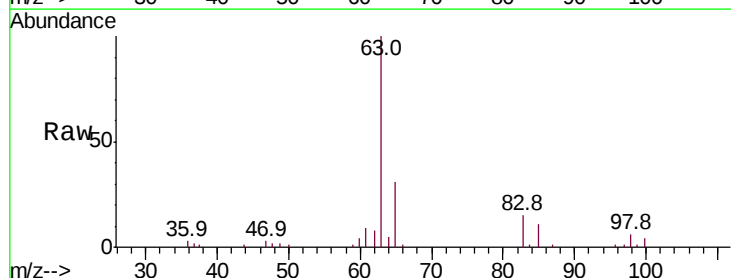
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

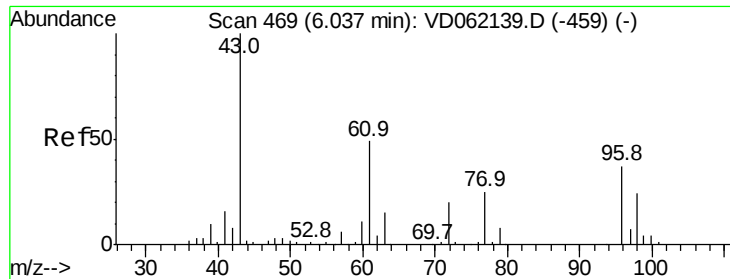
Tot Ion: 43 Resp: 766033
 Ion Ratio Lower Upper
 43 100
 86 6.7 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 17.695 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion: 63 Resp: 165185
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 95.964 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

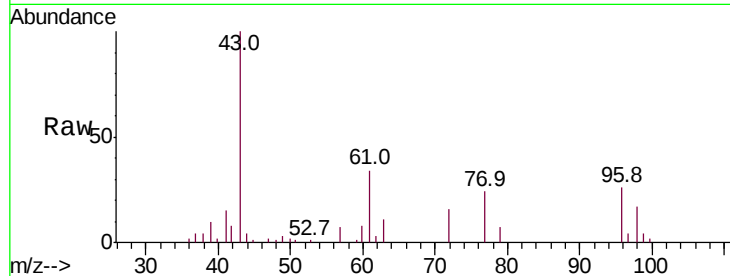
VD0515SBS01

Tot Ion: 43 Resp: 133804

Ion Ratio Lower Upper

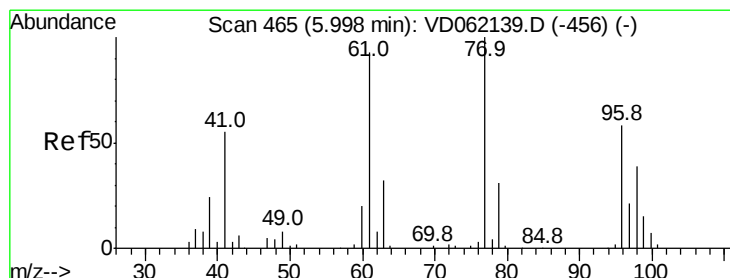
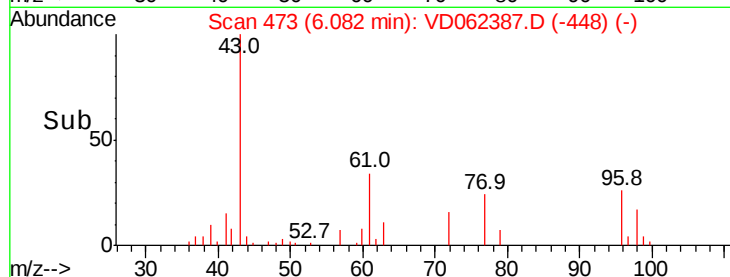
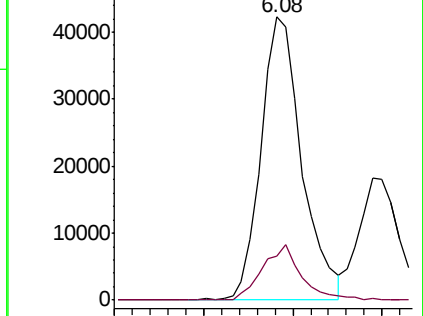
43 100

72 15.7 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: 19.642 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062387.D

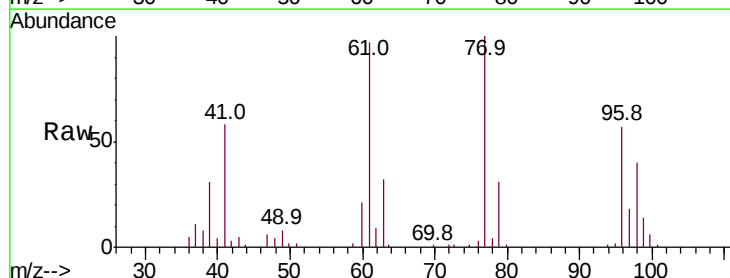
Acq: 15 May 2019 14:47

Tgt Ion: 77 Resp: 182651

Ion Ratio Lower Upper

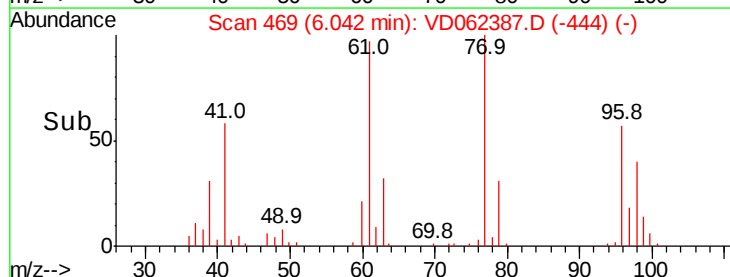
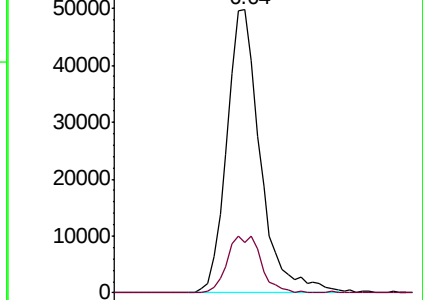
77 100

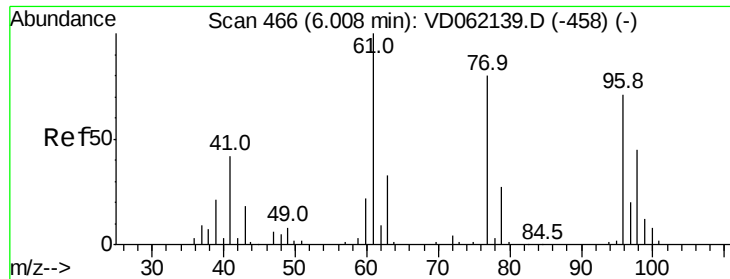
97 17.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



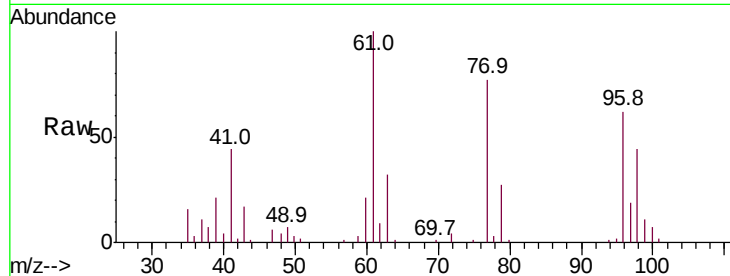


#27

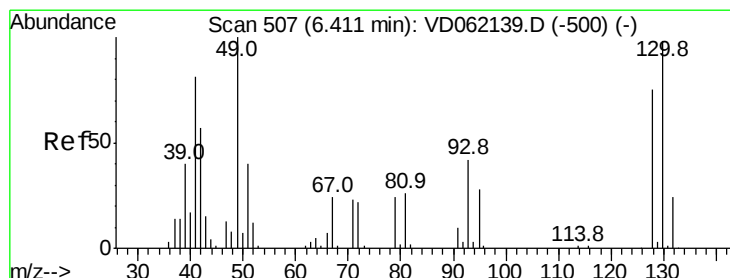
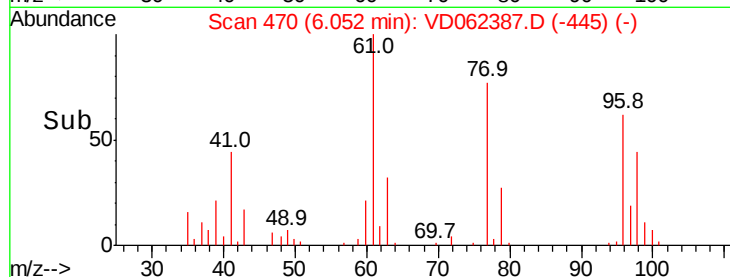
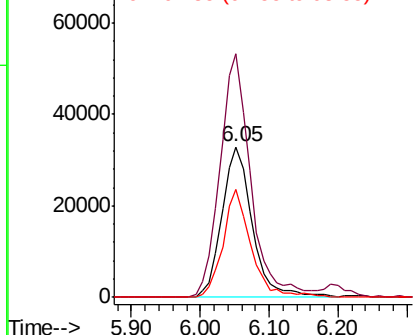
cis-1,2-Dichloroethene
 Concen: 16.165 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion: 96 Resp: 100697
 Ion Ratio Lower Upper
 96 100
 61 162.1 0.0 279.8
 98 71.9 0.0 136.0



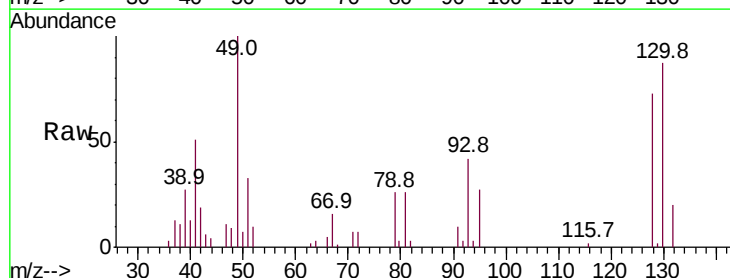
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



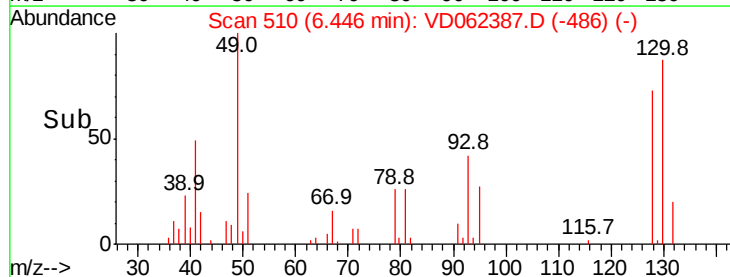
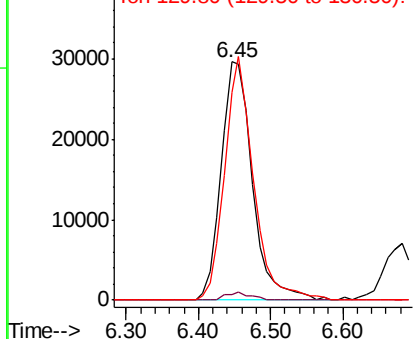
#28

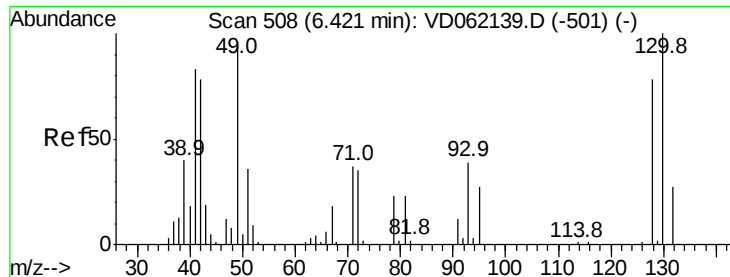
Bromochloromethane
 Concen: 24.312 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion: 49 Resp: 89293
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.6
 130 87.4 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: 86.989 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

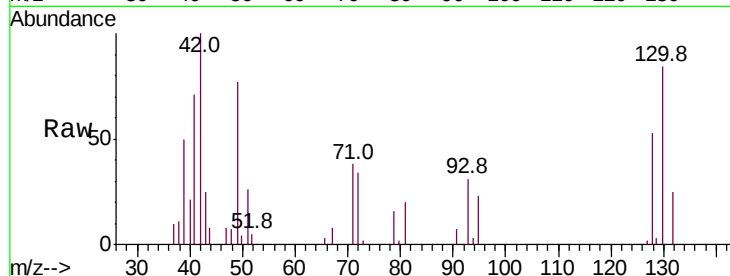
Tot Ion: 42 Resp: 55886

Ion Ratio Lower Upper

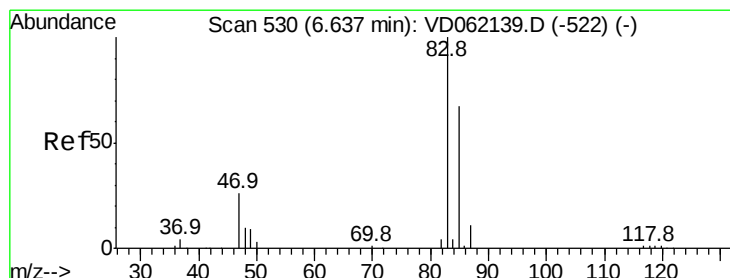
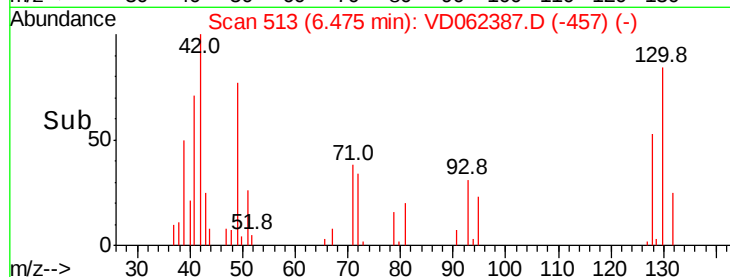
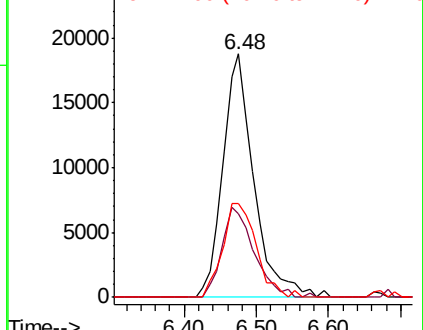
42 100

72 38.1 37.8 56.6

71 42.2 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.344 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.04 min

Lab File: VD062387.D

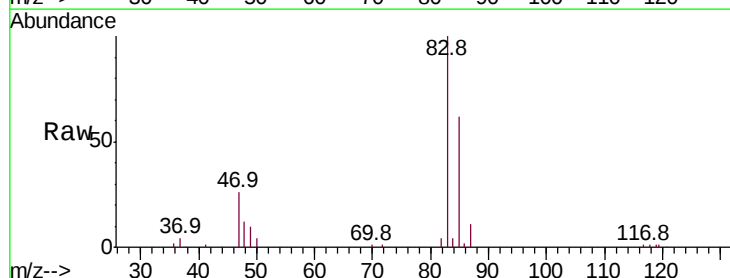
Acq: 15 May 2019 14:47

Tgt Ion: 83 Resp: 217629

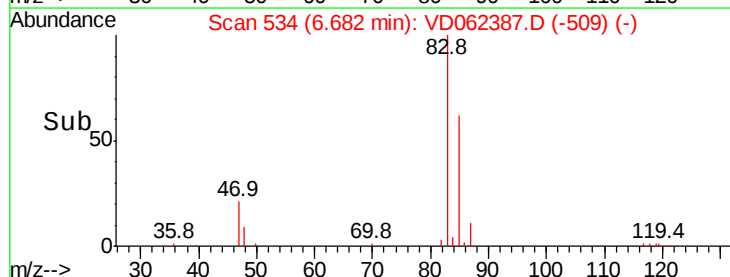
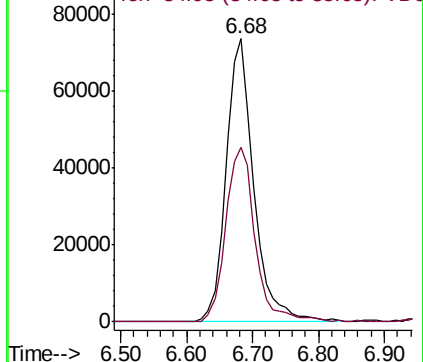
Ion Ratio Lower Upper

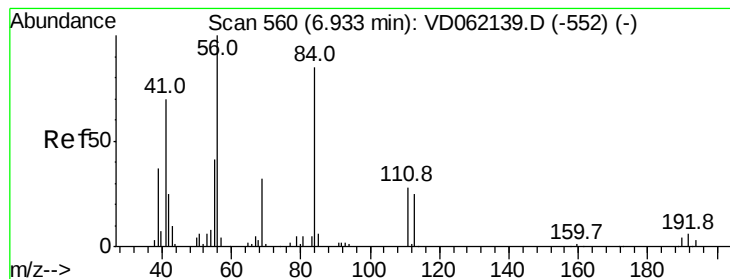
83 100

85 61.6 51.7 77.5



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





#31

Cvclohexane

Concen: 16.596 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

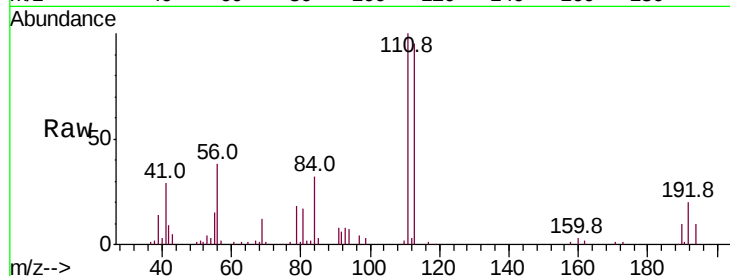
Tot Ion: 56 Resp: 106139

Ion Ratio Lower Upper

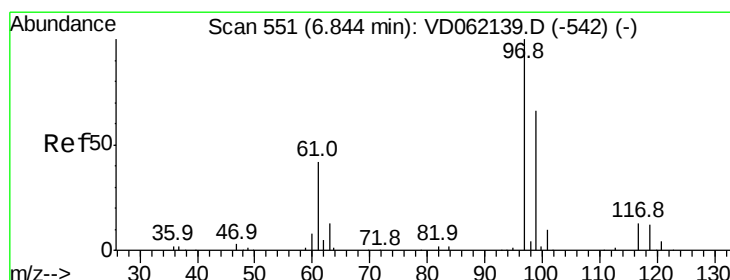
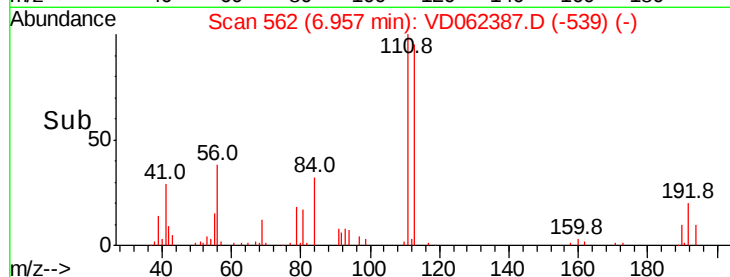
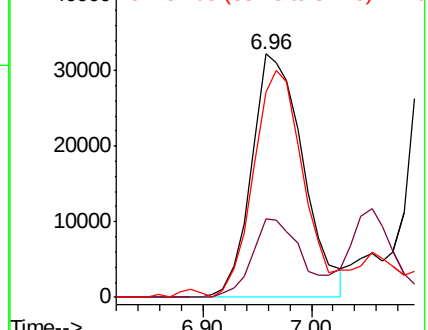
56 100

69 32.5 25.8 38.6

84 84.4 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 19.720 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

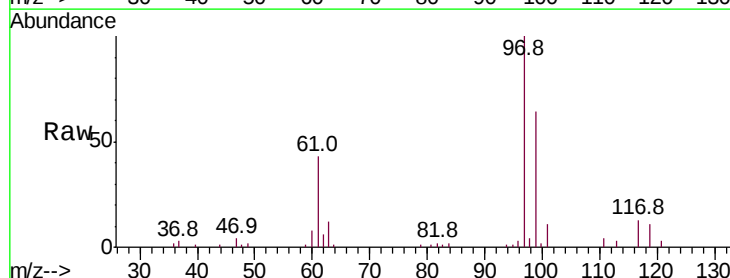
Tgt Ion: 97 Resp: 209702

Ion Ratio Lower Upper

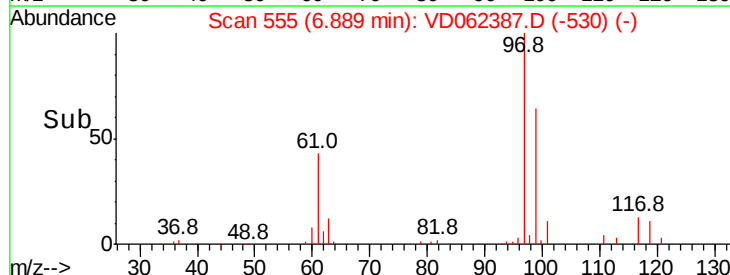
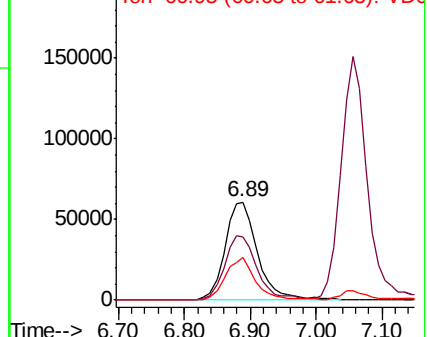
97 100

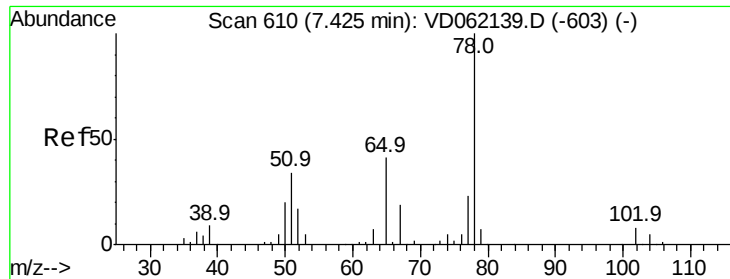
99 64.2 52.2 78.2

61 43.5 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: 53.443 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

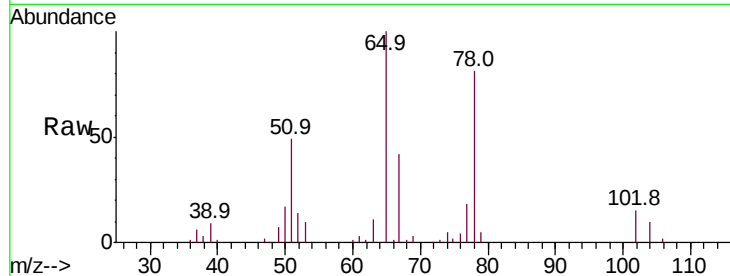
VD0515SBS01

Tot Ion: 65 Resp: 325762

Ion Ratio Lower Upper

65 100

67 42.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

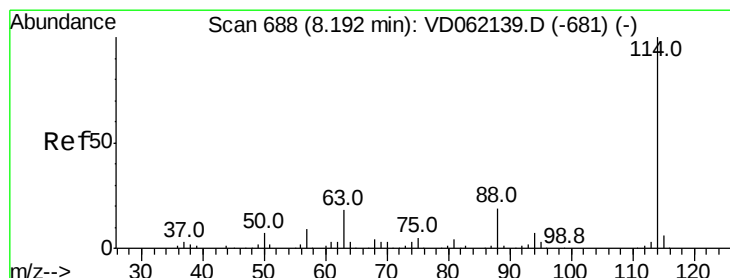
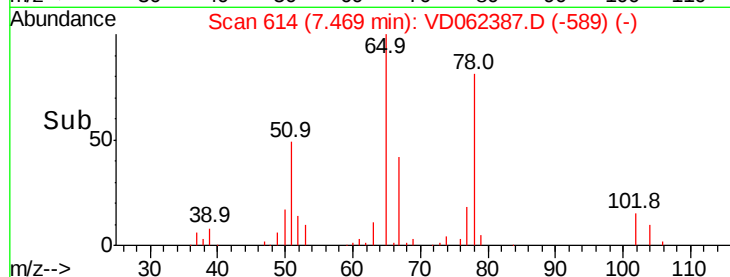
7.47

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

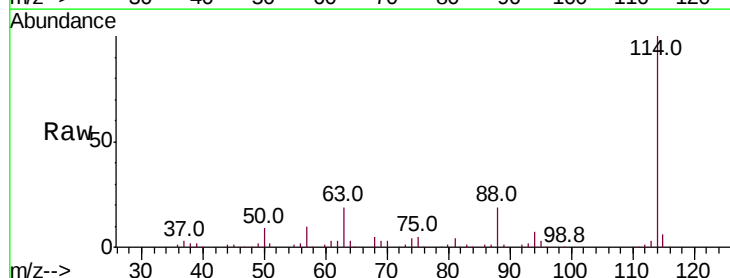
Tgt Ion: 114 Resp: 909640

Ion Ratio Lower Upper

114 100

63 19.4 0.0 32.4

88 19.3 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

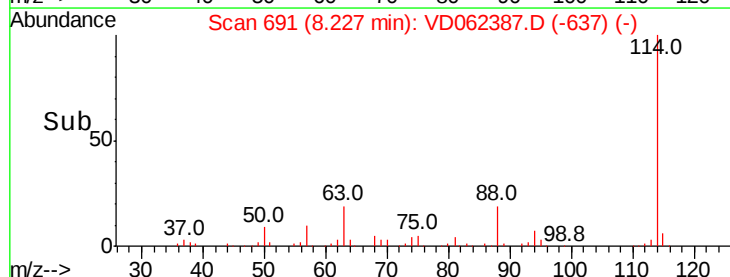
300000

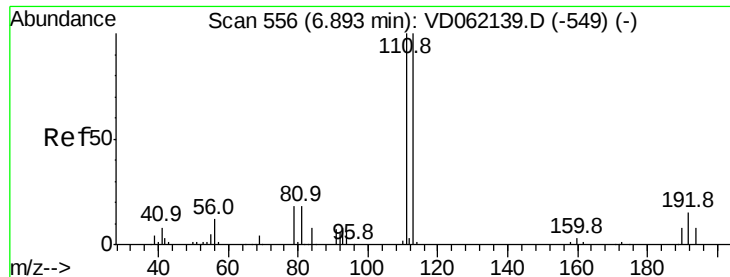
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.723 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

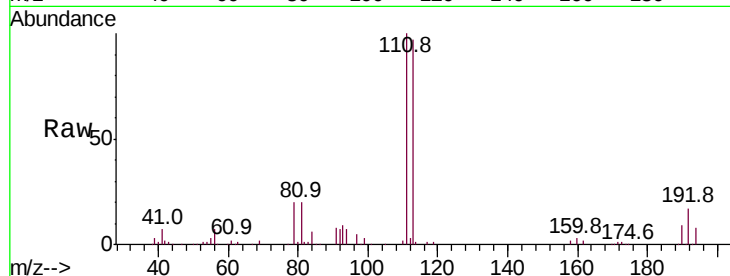
Tot Ion:113 Resp: 390370

Ion Ratio Lower Upper

113 100

111 102.7 78.5 117.7

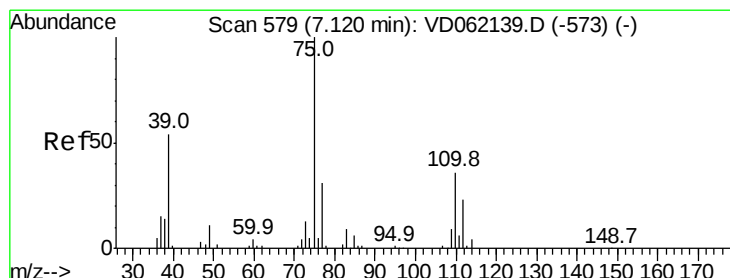
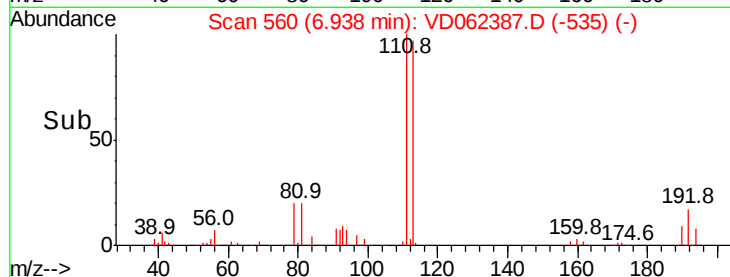
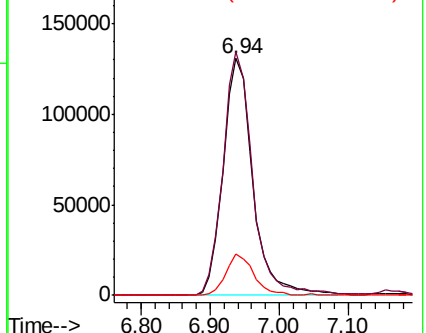
192 17.3 13.0 19.4



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: 17.896 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

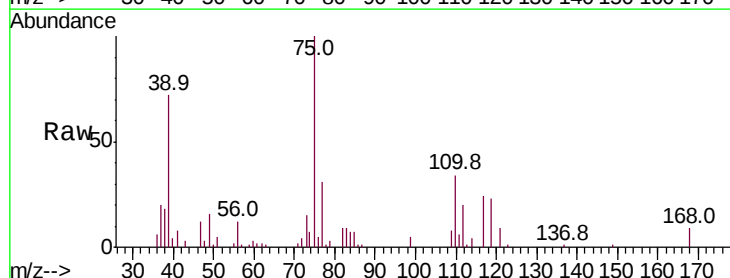
Tgt Ion: 75 Resp: 133471

Ion Ratio Lower Upper

75 100

110 34.0 19.1 57.1

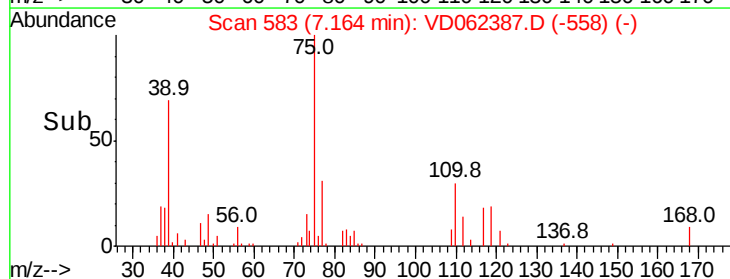
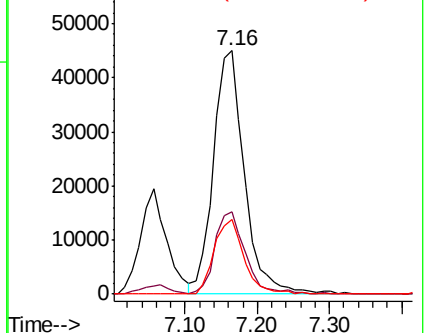
77 30.7 25.6 38.4

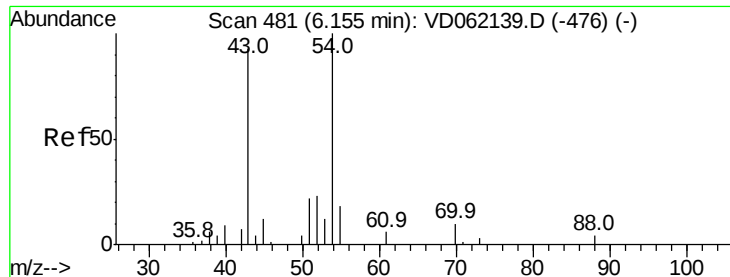


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 18.723 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

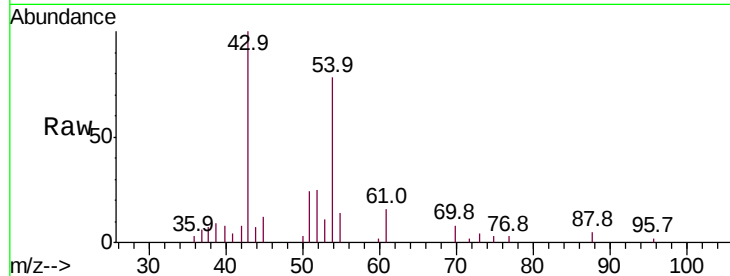
Tot Ion: 43 Resp: 59219

Ion Ratio Lower Upper

43 100

61 16.1 14.7 22.1

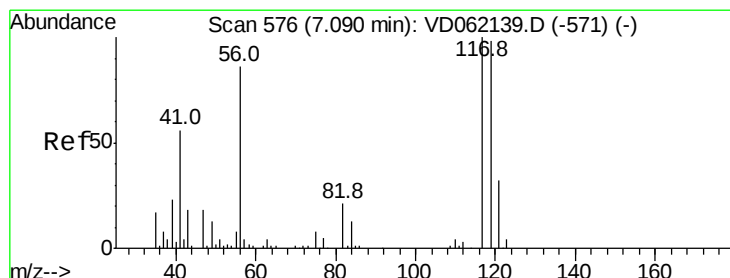
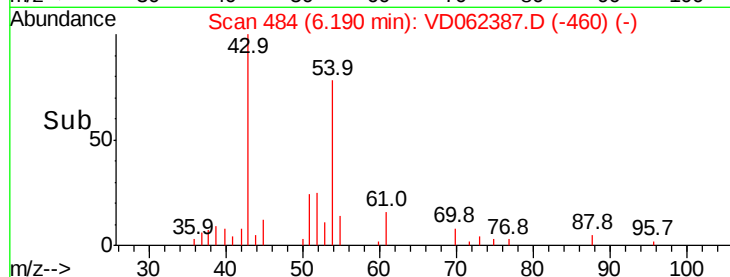
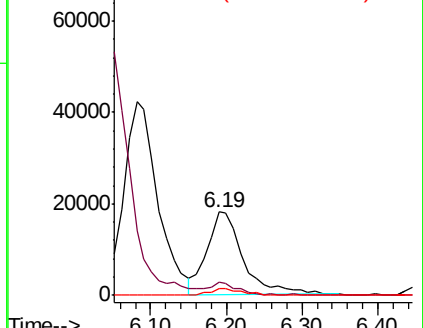
70 8.3 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.290 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

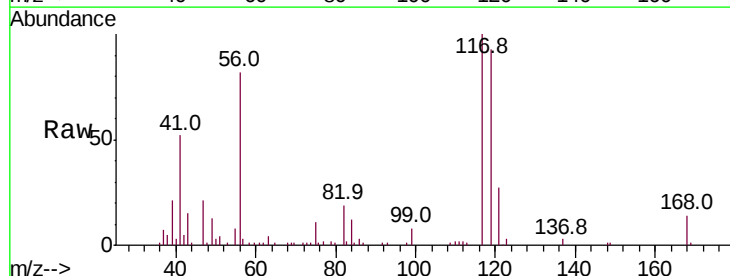
Tgt Ion: 117 Resp: 199130

Ion Ratio Lower Upper

117 100

119 92.5 75.8 113.8

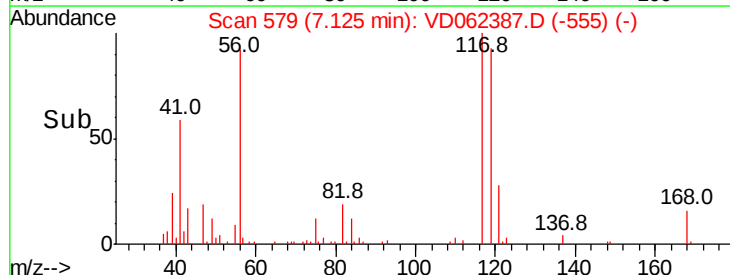
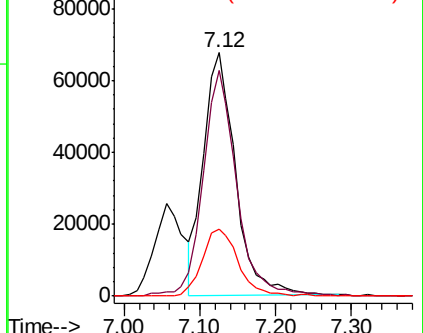
121 27.4 25.9 38.9

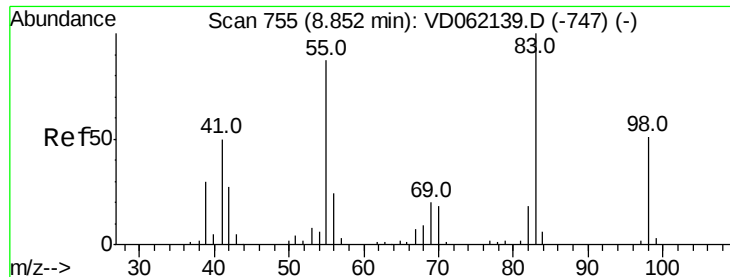


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

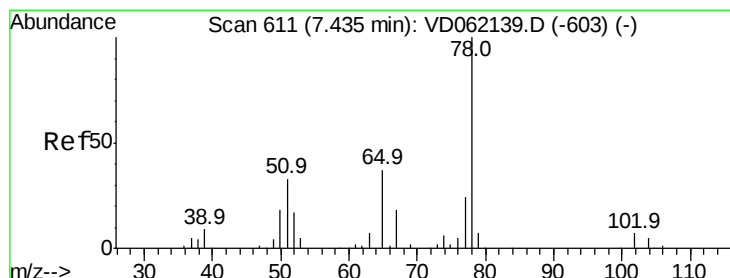
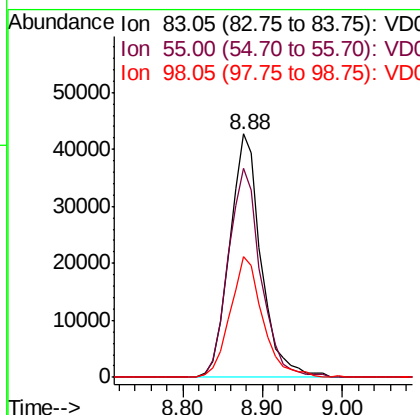
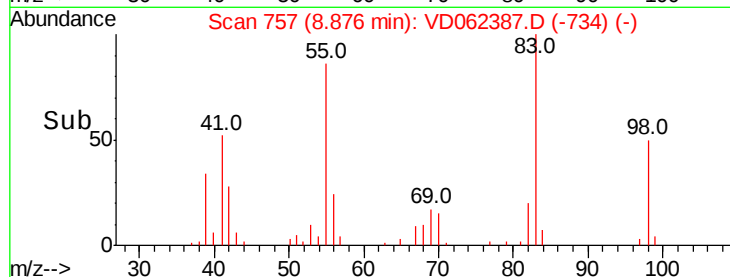
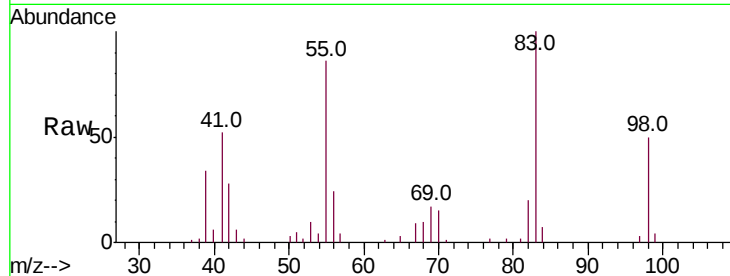




#39
Methvlcvclohexane
Concen: 16.438 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

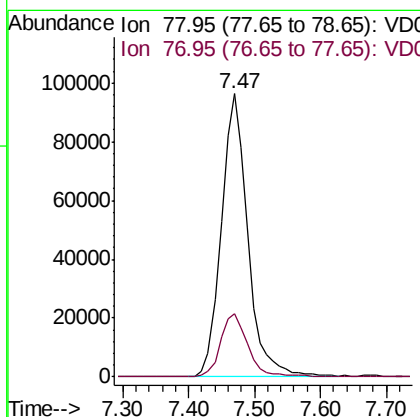
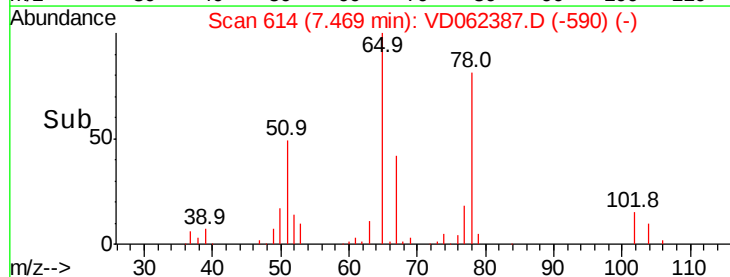
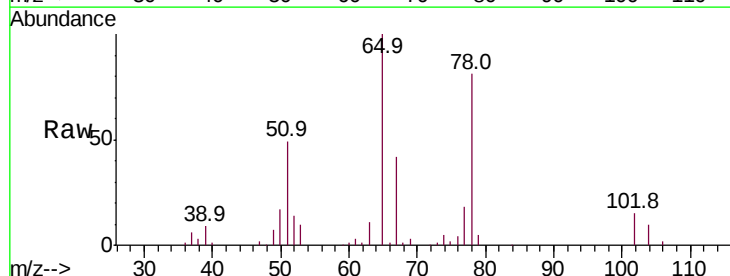
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

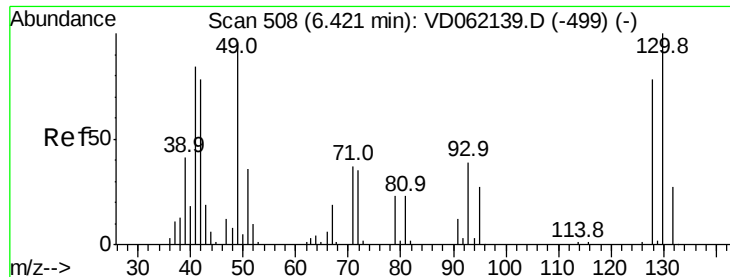
Tot Ion: 83 Resp: 117461
Ion Ratio Lower Upper
83 100
55 86.1 68.2 102.4
98 49.6 38.2 57.4



#40
Benzene
Concen: 16.031 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 78 Resp: 269980
Ion Ratio Lower Upper
78 100
77 22.2 19.7 29.5





#41

Methacrylonitrile

Concen: 17.969 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

Tot Ion: 41 Resp: 69455

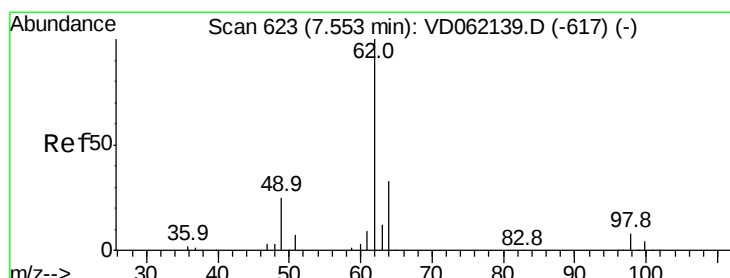
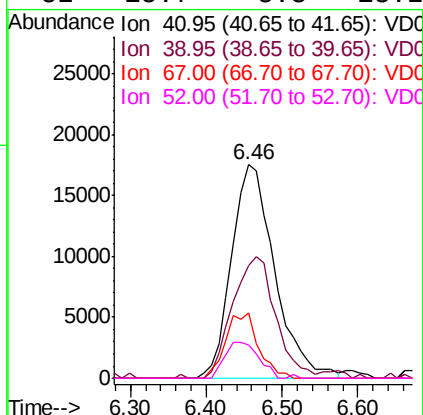
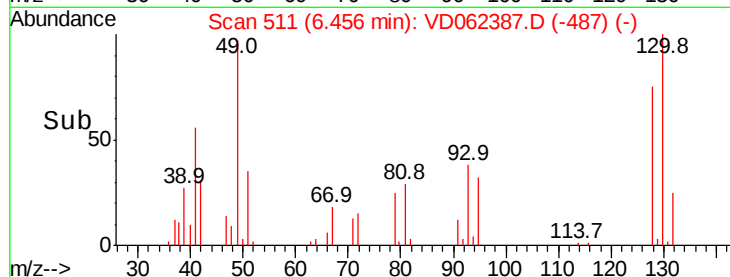
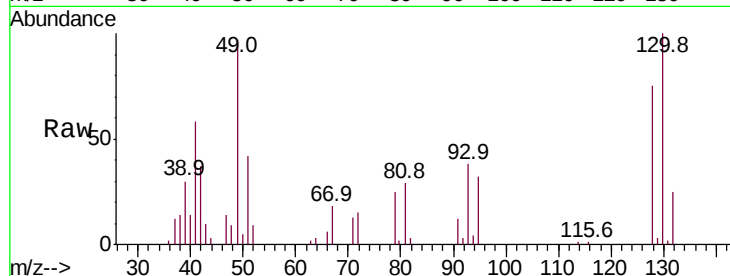
Ion Ratio Lower Upper

41 100

39 52.6 34.1 51.1#

67 30.4 23.8 35.6

52 15.7 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 20.245 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.03 min

Lab File: VD062387.D

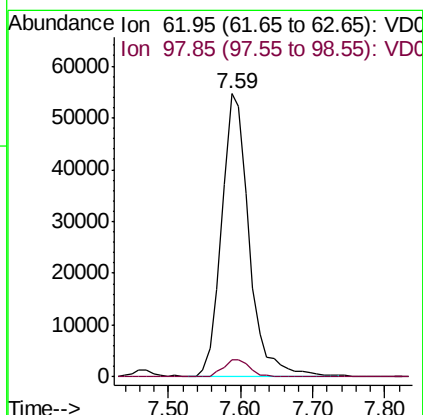
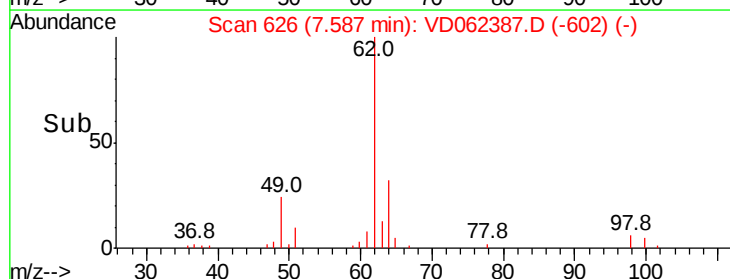
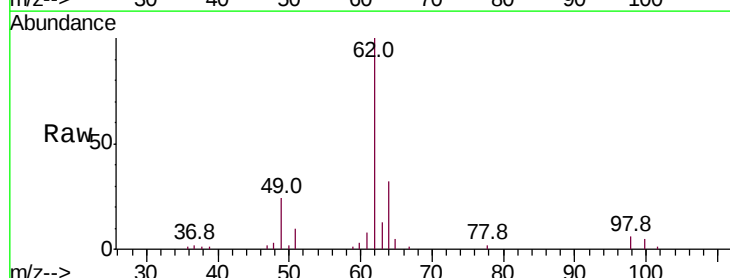
Acq: 15 May 2019 14:47

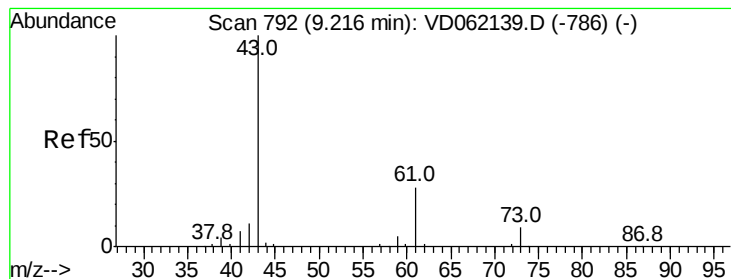
Tgt Ion: 62 Resp: 144455

Ion Ratio Lower Upper

62 100

98 6.1 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.096 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

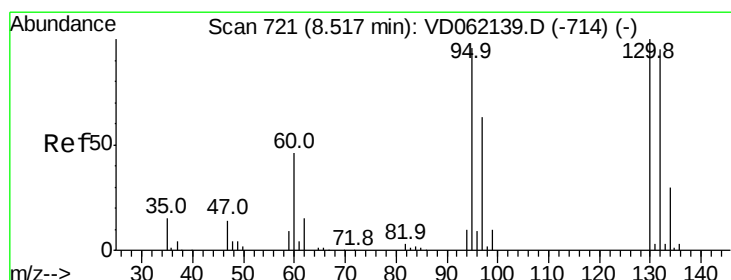
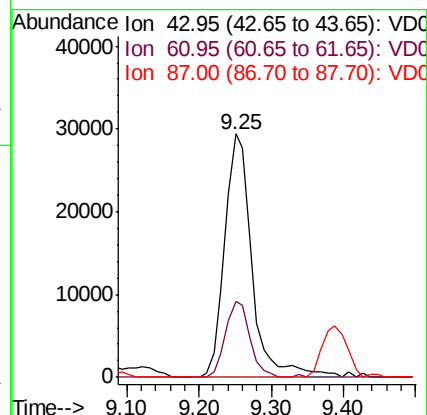
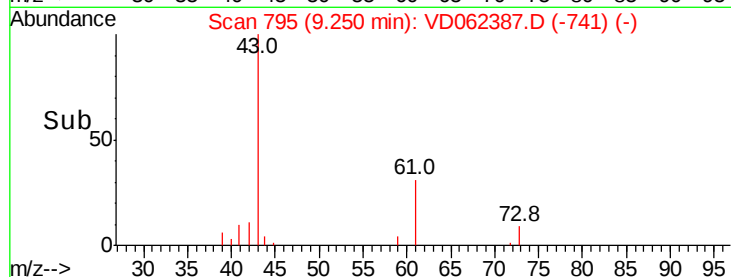
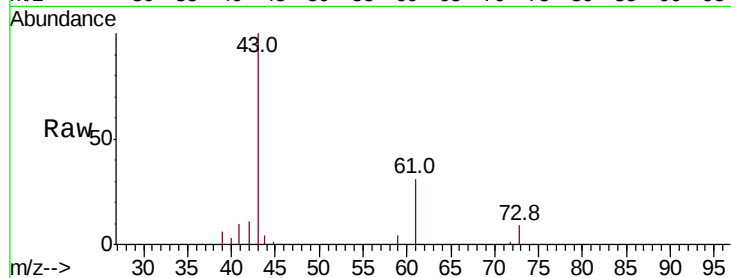
Tot Ion: 43 Resp: 76686

Ion Ratio Lower Upper

43 100

61 31.3 25.1 37.7

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 15.630 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062387.D

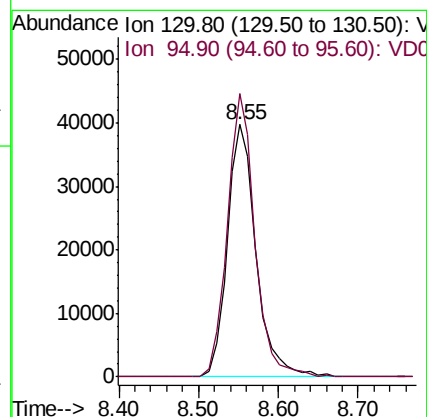
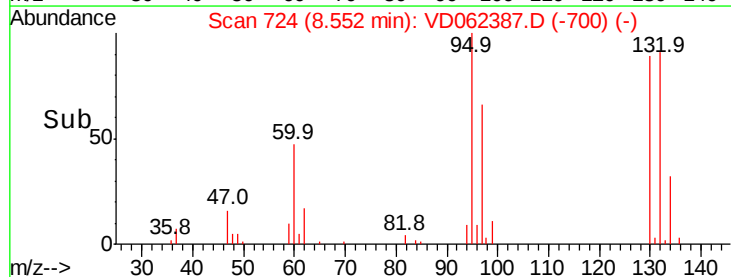
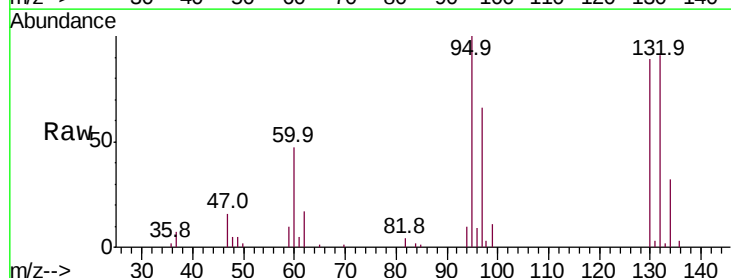
Acq: 15 May 2019 14:47

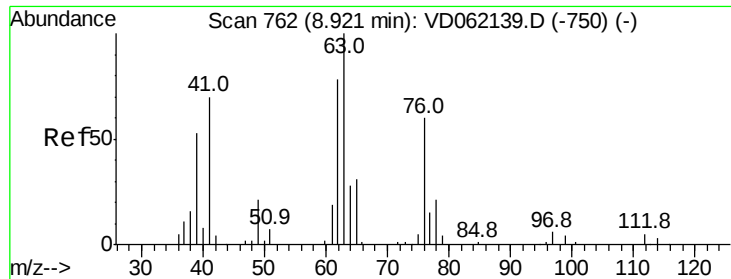
Tgt Ion: 130 Resp: 100305

Ion Ratio Lower Upper

130 100

95 112.3 0.0 174.0





#45

1,2-Dichloropropane

Concen: 17.399 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

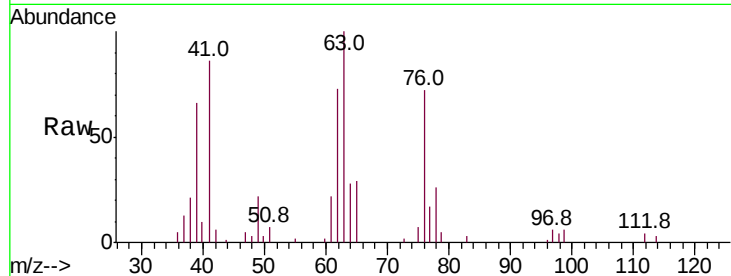
VD0515SBS01

Tot Ion: 63 Resp: 72479

Ion Ratio Lower Upper

63 100

65 29.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

30000

25000

20000

15000

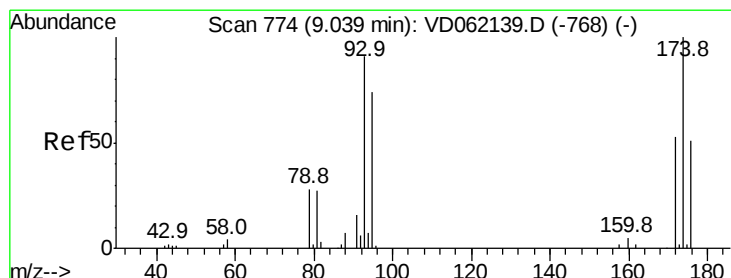
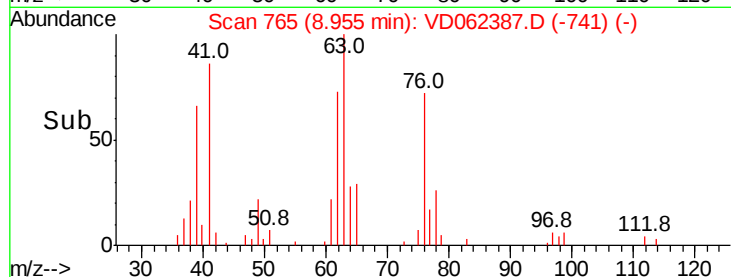
10000

5000

0

8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 18.572 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

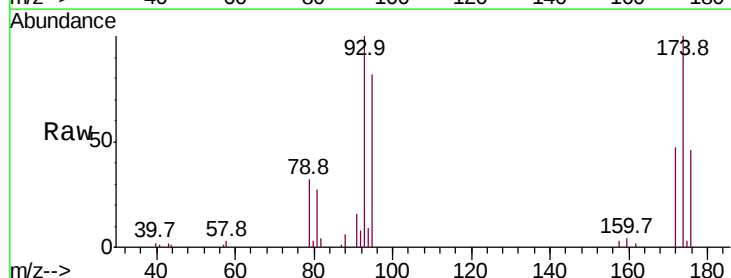
Tgt Ion: 93 Resp: 62913

Ion Ratio Lower Upper

93 100

95 81.8 64.8 97.2

174 100.1 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.07

30000

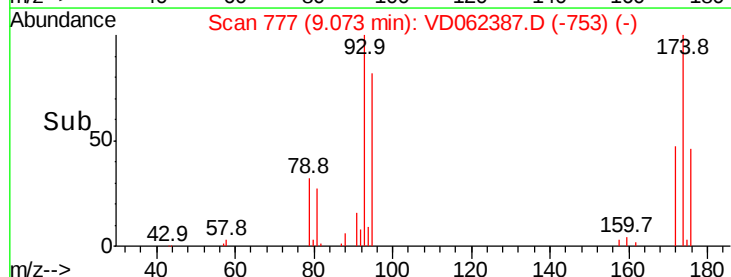
20000

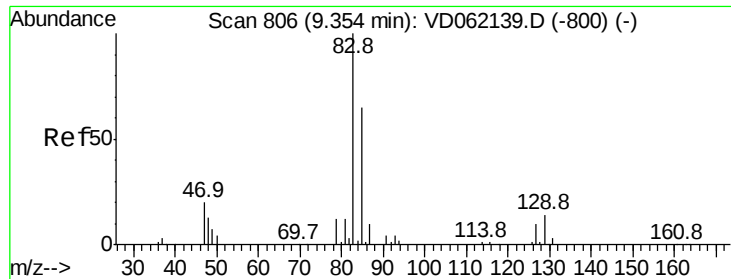
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 18.106 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

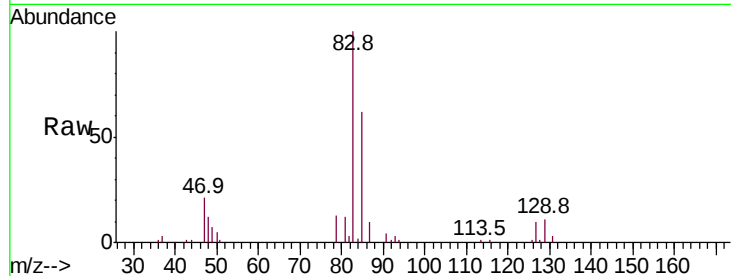
Tot Ion: 83 Resp: 150026

Ion Ratio Lower Upper

83 100

85 61.8 50.9 76.3

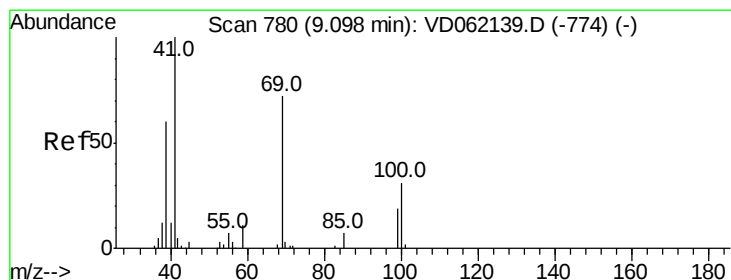
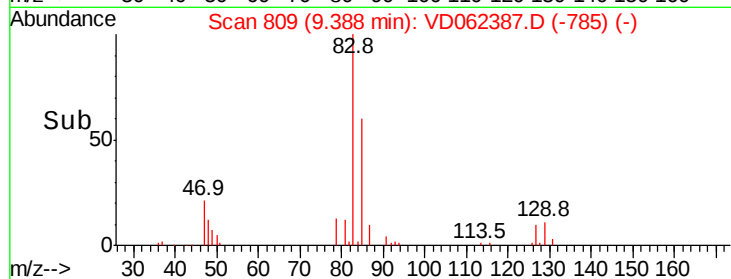
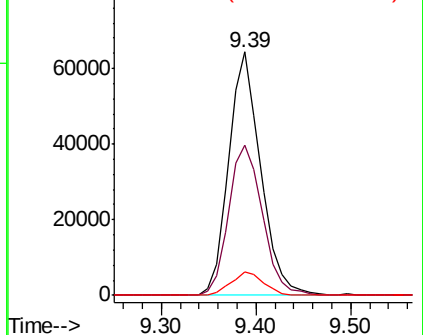
127 9.5 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.776 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

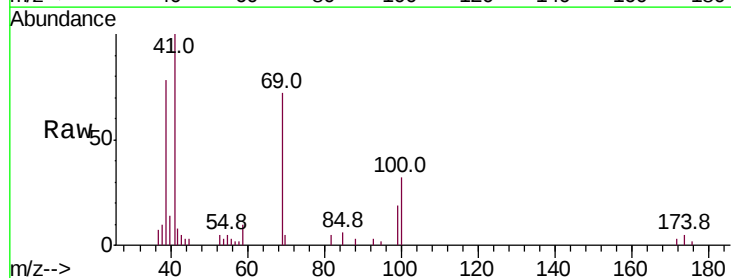
Tgt Ion: 41 Resp: 51878

Ion Ratio Lower Upper

41 100

69 71.5 64.2 96.2

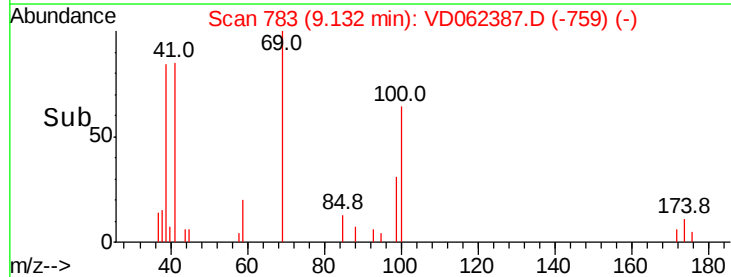
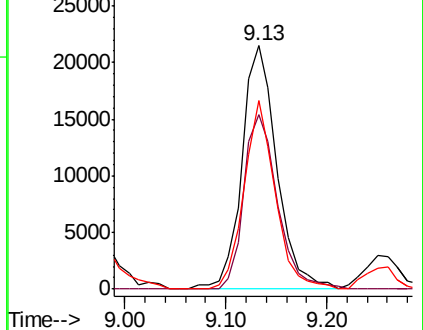
39 77.5 46.8 70.2#

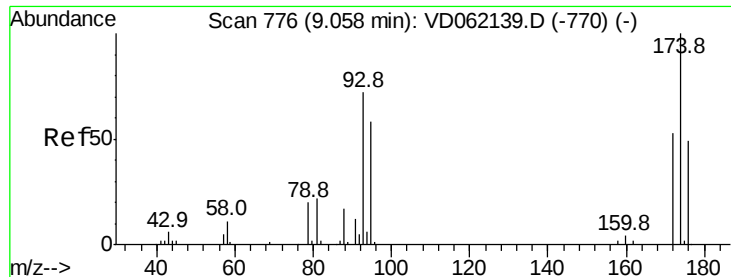


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

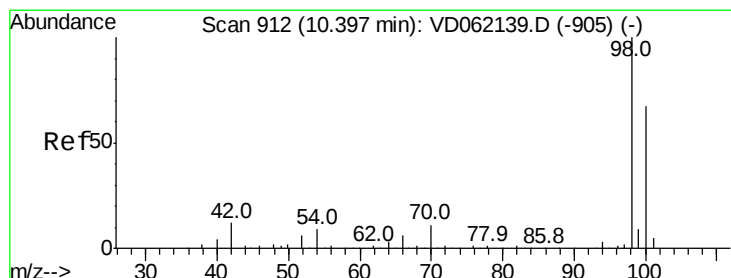
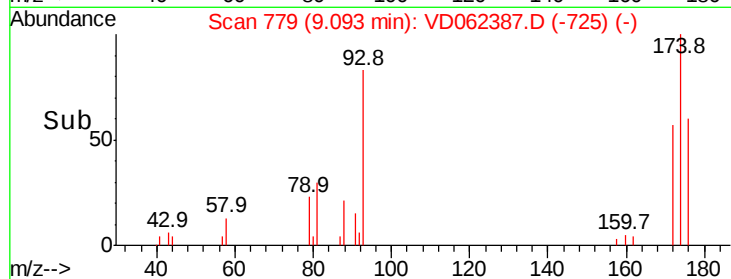
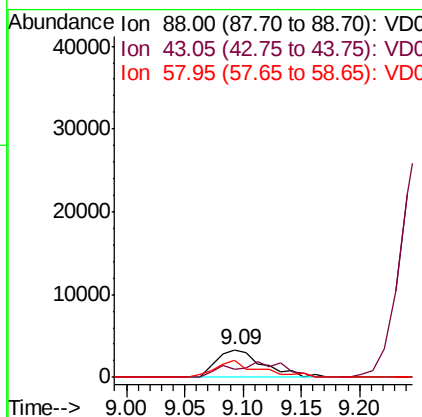
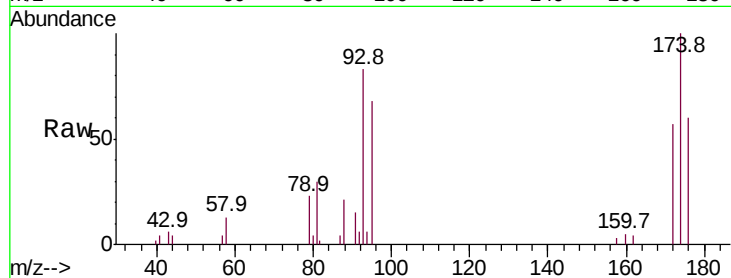




#49
 1,4-Dioxane
 Concen: 307.765 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

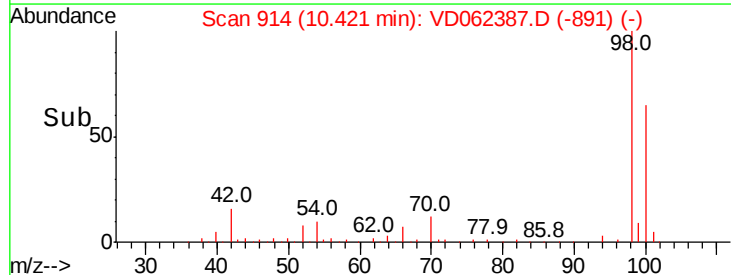
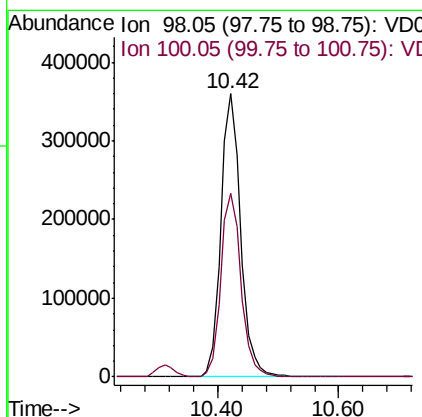
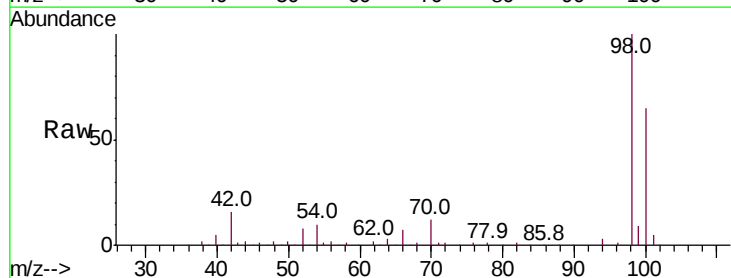
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

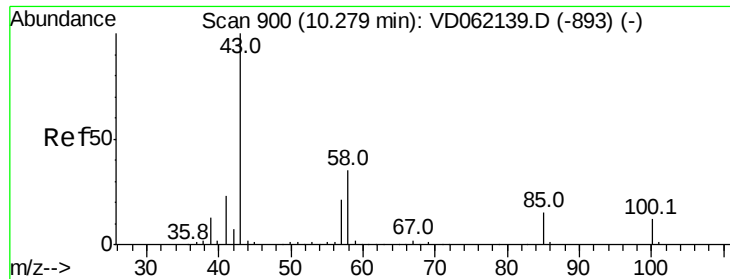
Tot Ion:	88	Resp:	9175
Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.4	35.0
58	63.0	44.0	66.0



#50
 Toluene-d8
 Concen: 44.797 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion:	98	Resp:	815176
Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 92.249 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

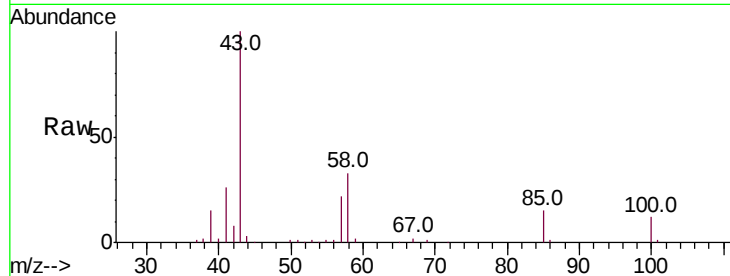
VD0515SBS01

Tot Ion: 43 Resp: 265996

Ion Ratio Lower Upper

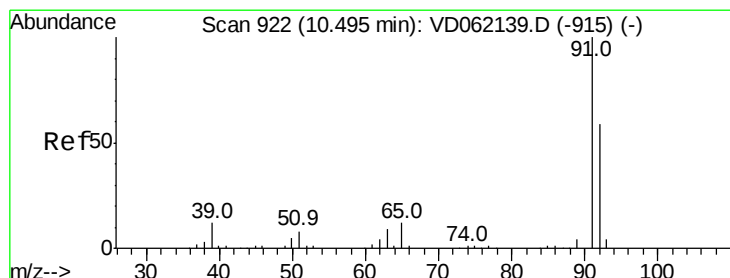
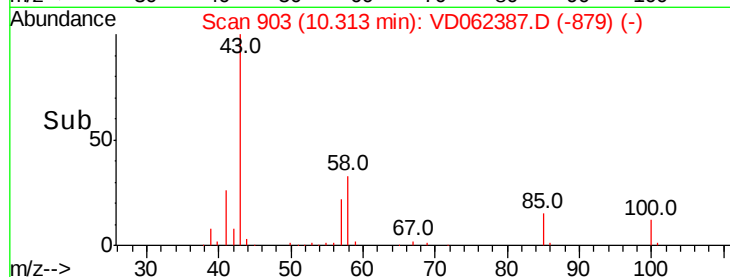
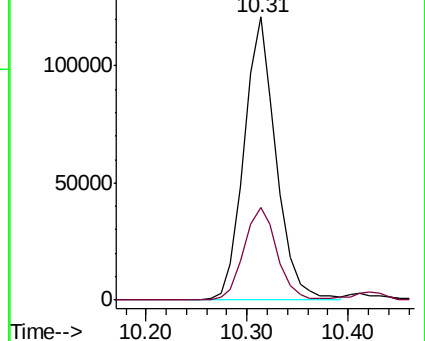
43 100

58 32.9 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: 16.193 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062387.D

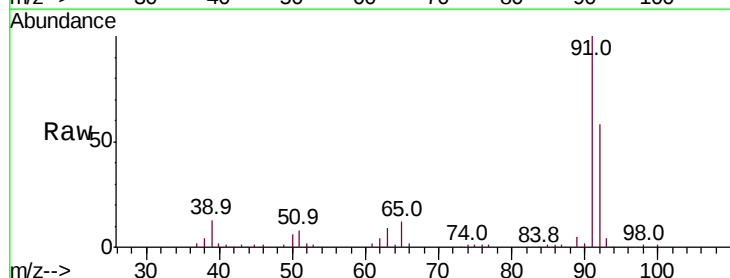
Acq: 15 May 2019 14:47

Tgt Ion: 92 Resp: 177438

Ion Ratio Lower Upper

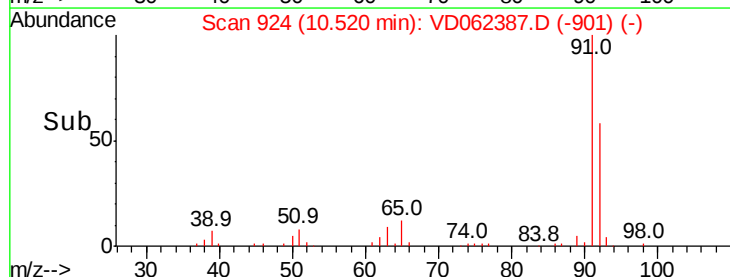
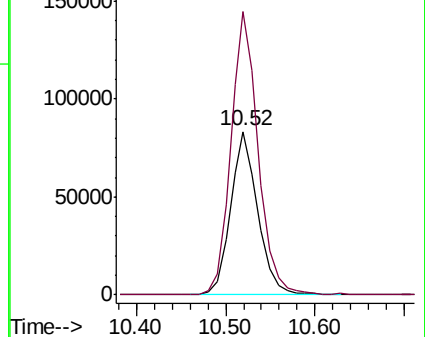
92 100

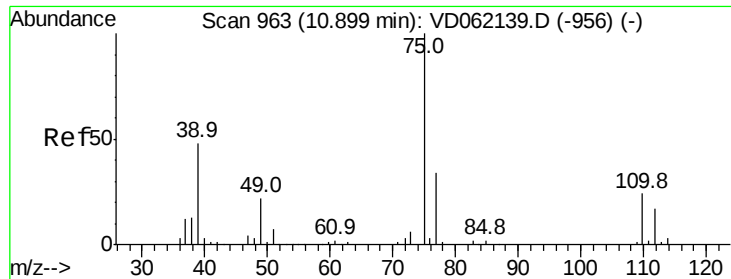
91 173.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

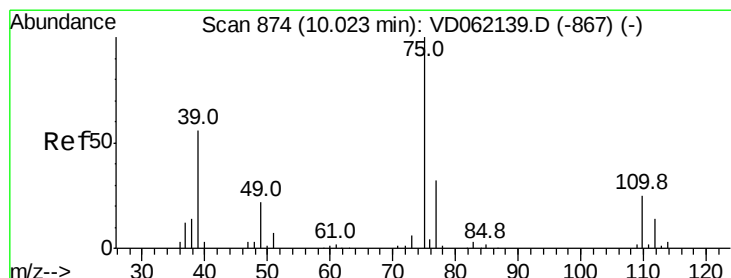
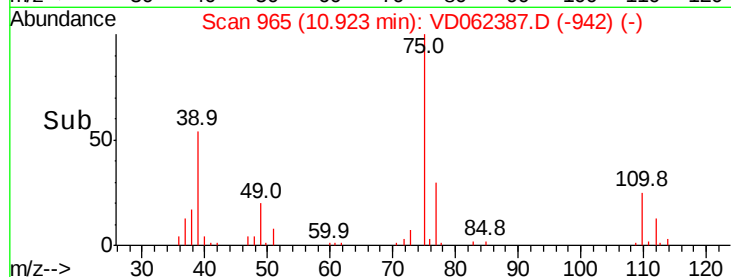
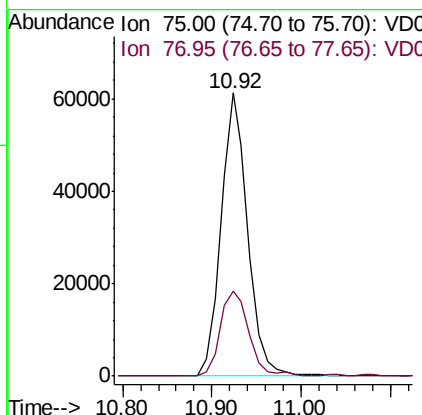
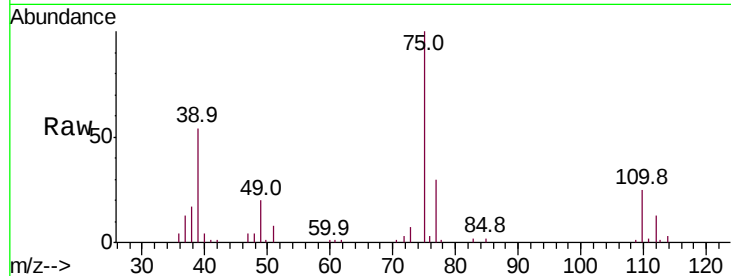




#53
t-1,3-Dichloropropene
Concen: 17.850 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

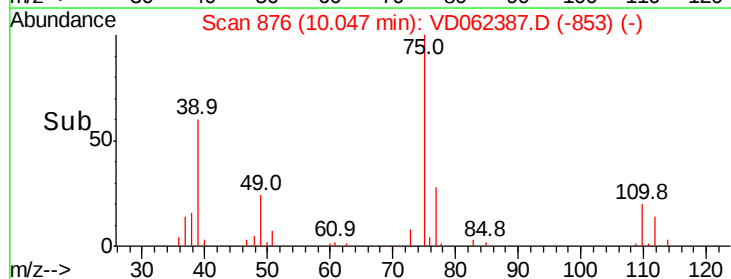
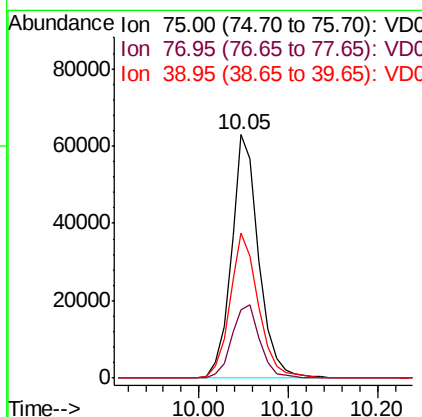
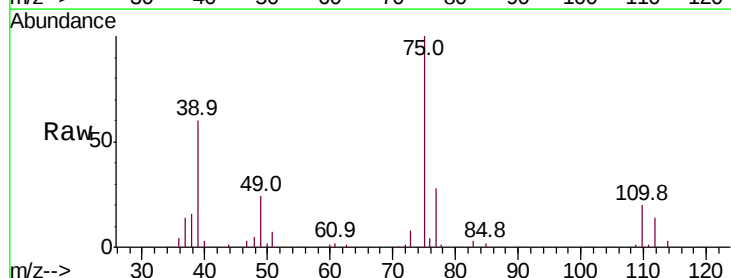
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

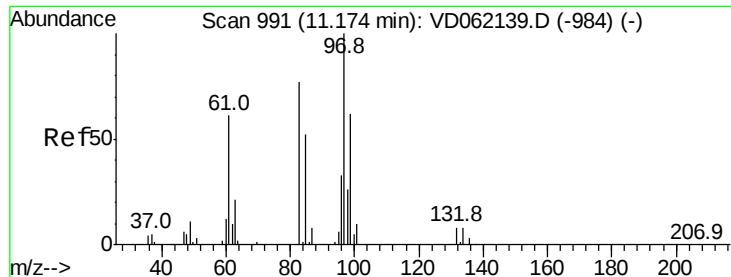
Tot Ion: 75 Resp: 127833
Ion Ratio Lower Upper
75 100
77 30.0 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 17.173 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 75 Resp: 134169
Ion Ratio Lower Upper
75 100
77 27.9 25.5 38.3
39 59.7 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 16.737 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

Tot Ion: 97 Resp: 64891

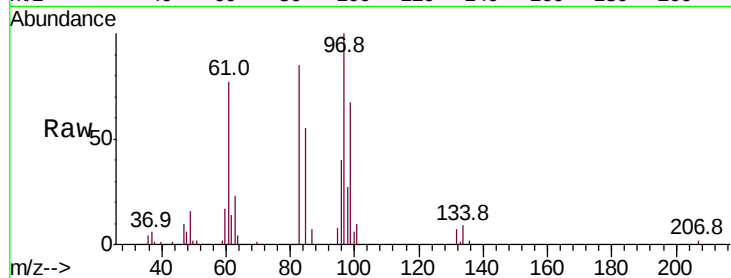
Ion Ratio Lower Upper

97 100

83 85.2 65.7 98.5

85 54.7 45.6 68.4

99 67.3 48.4 72.6

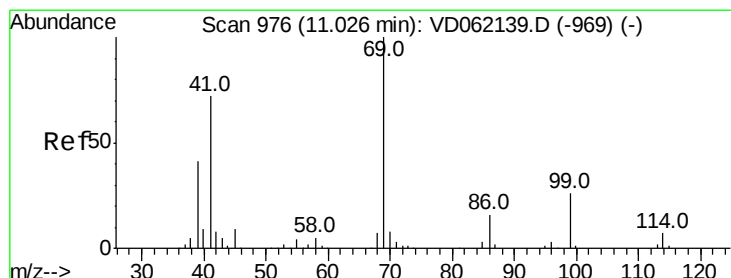
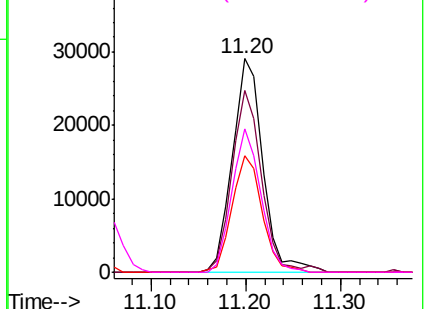
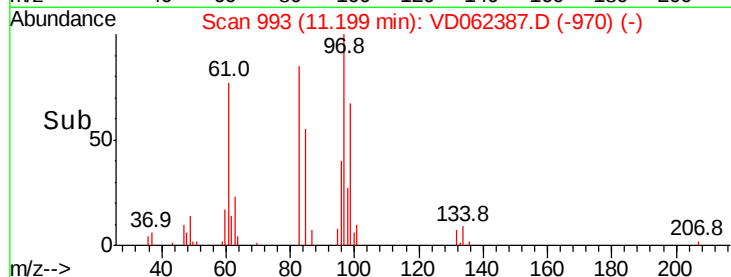


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 17.410 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

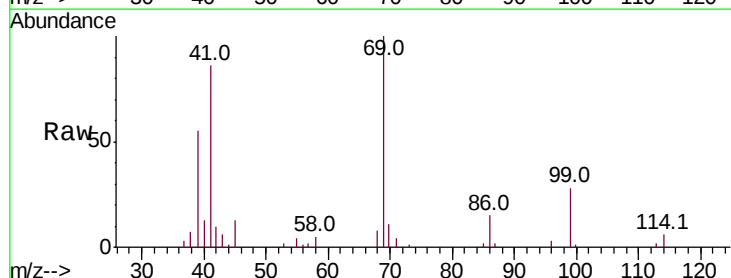
Tgt Ion: 69 Resp: 70142

Ion Ratio Lower Upper

69 100

41 86.0 56.3 84.5#

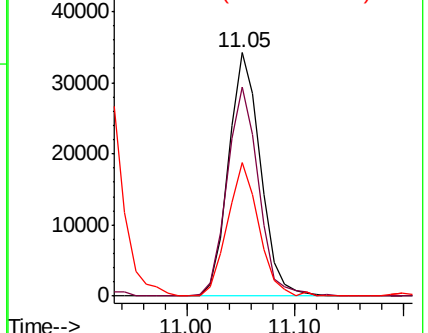
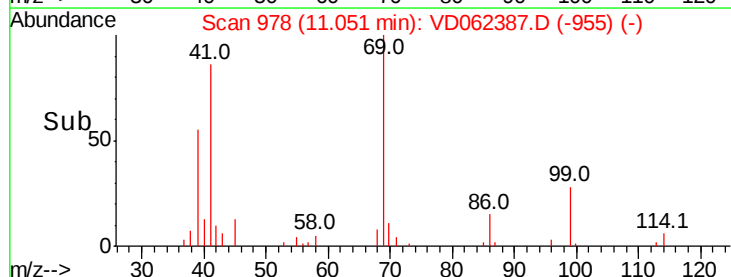
39 54.6 29.4 44.2#

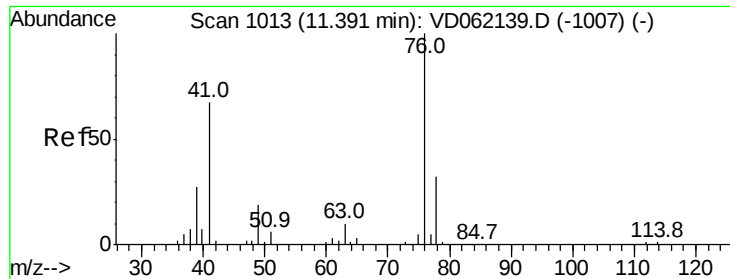


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 16.517 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

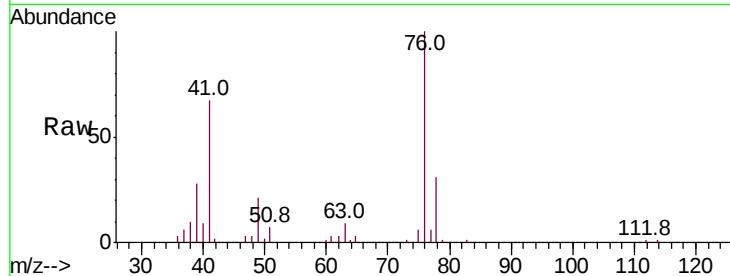
VD0515SBS01

Tot Ion: 76 Resp: 96744

Ion Ratio Lower Upper

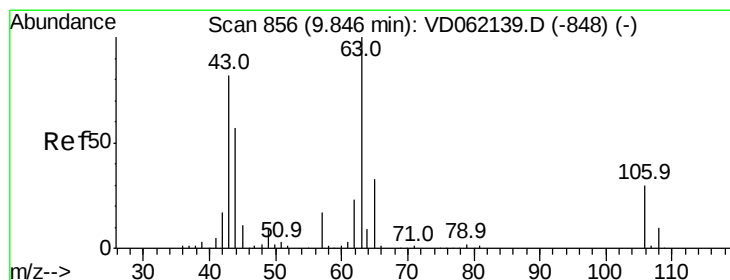
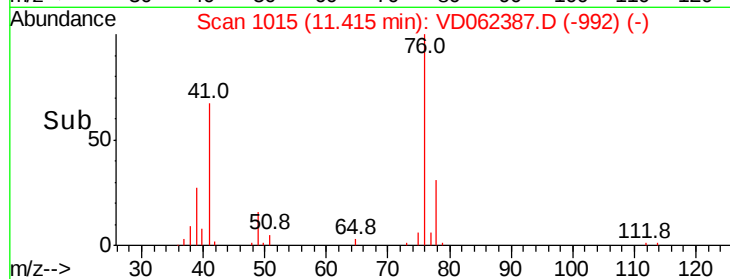
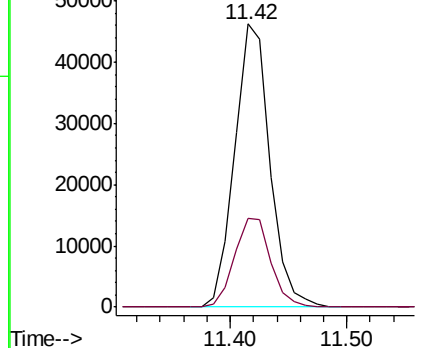
76 100

78 31.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.707 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062387.D

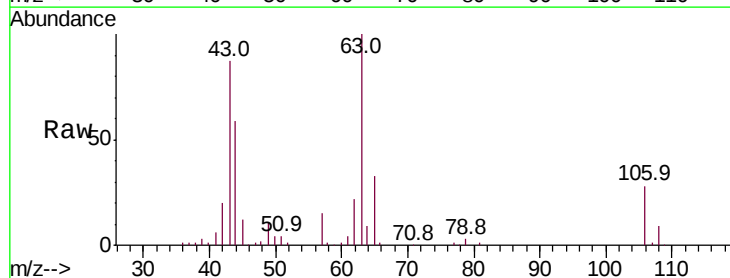
Acq: 15 May 2019 14:47

Tgt Ion: 63 Resp: 239234

Ion Ratio Lower Upper

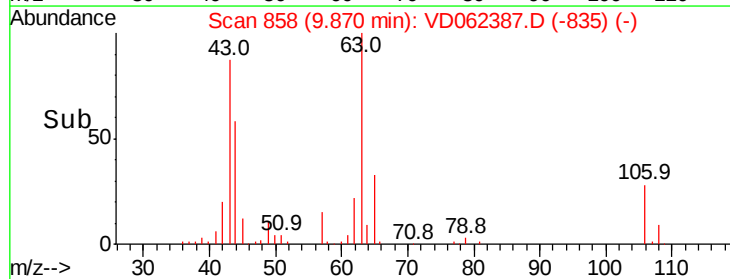
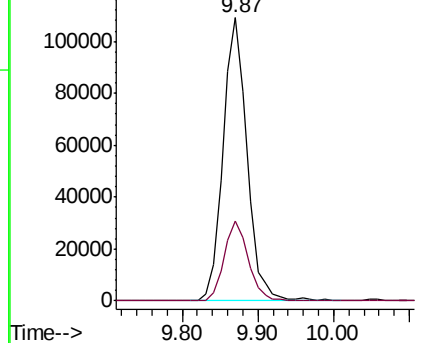
63 100

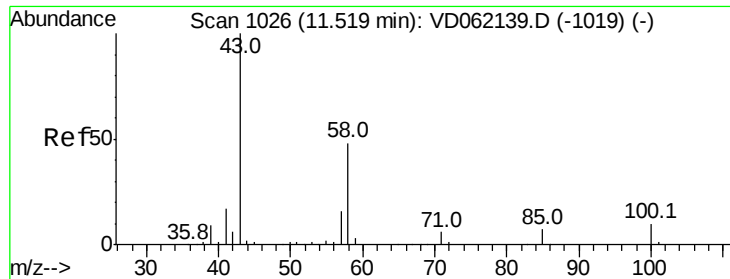
106 28.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 99.124 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

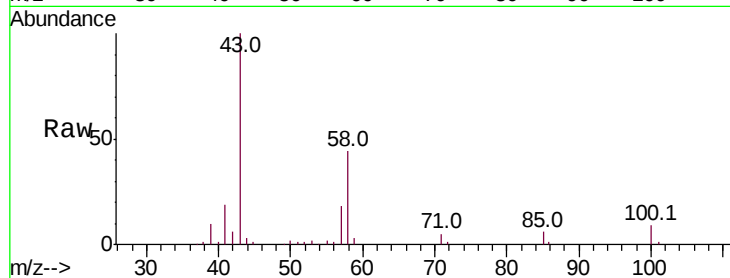
VD0515SBS01

Tot Ion: 43 Resp: 210661

Ion Ratio Lower Upper

43 100

58 44.5 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.54

120000

100000

80000

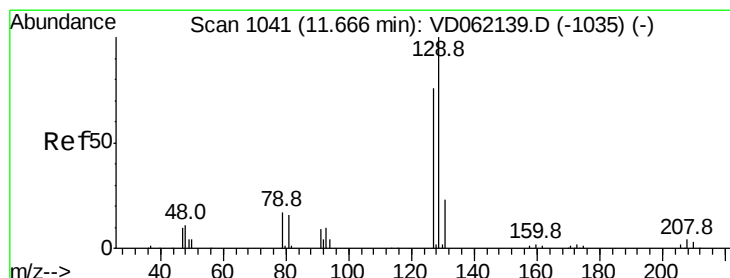
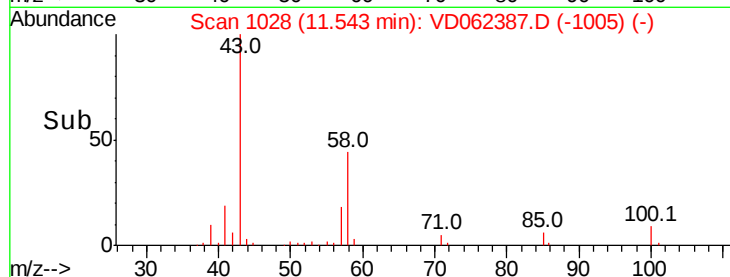
60000

40000

20000

0

Time--> 11.40 11.50 11.60 11.70



#60

Dibromochloromethane

Concen: 17.450 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.02 min

Lab File: VD062387.D

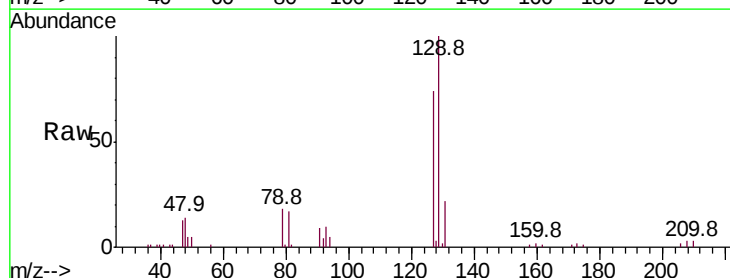
Acq: 15 May 2019 14:47

Tgt Ion: 129 Resp: 116924

Ion Ratio Lower Upper

129 100

127 73.5 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.69

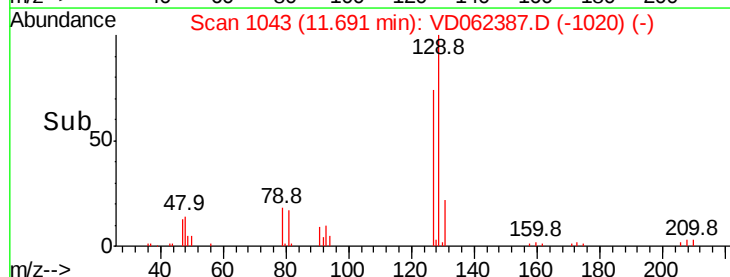
60000

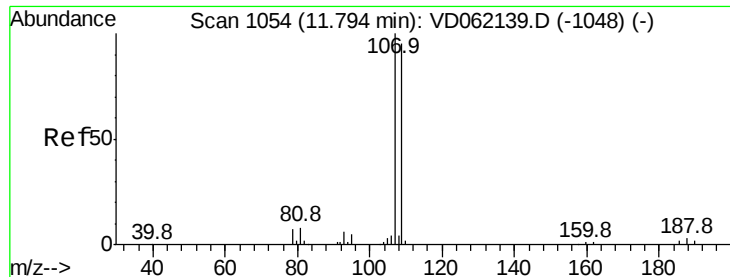
40000

20000

0

Time--> 11.60 11.70 11.80

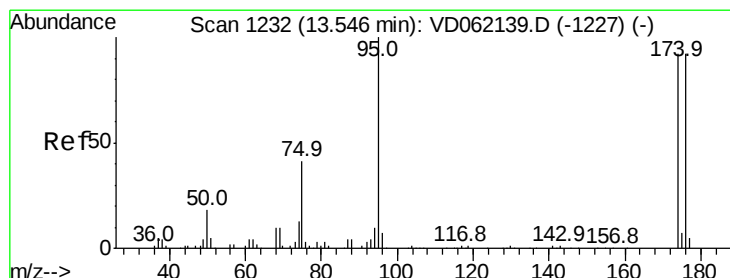
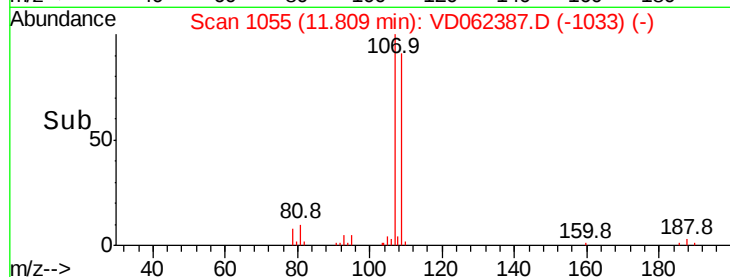
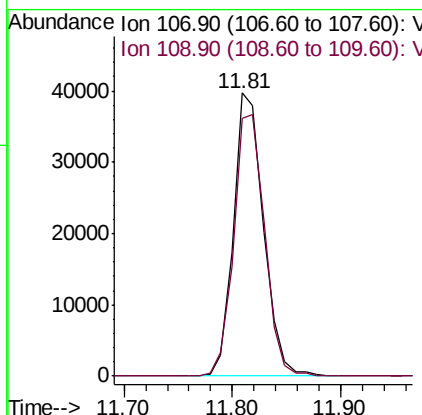
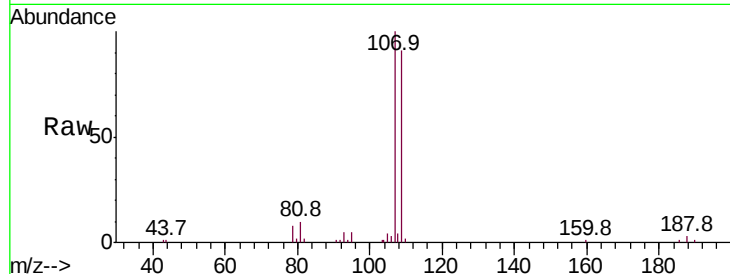




#61
 1,2-Dibromoethane
 Concen: 16.283 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

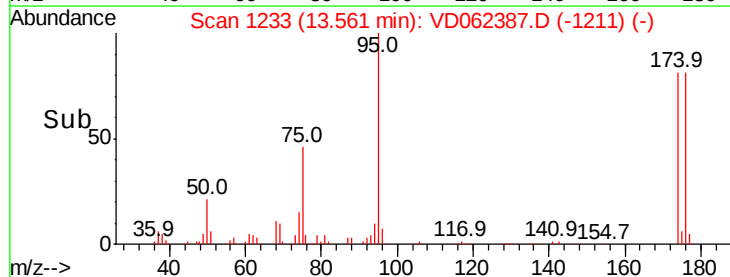
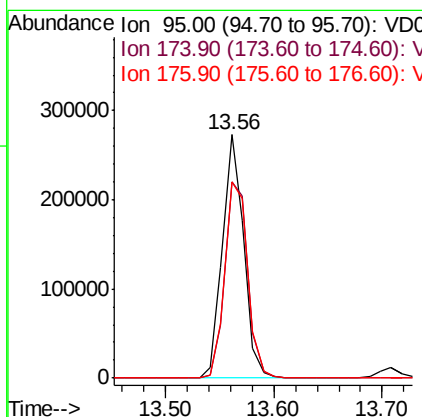
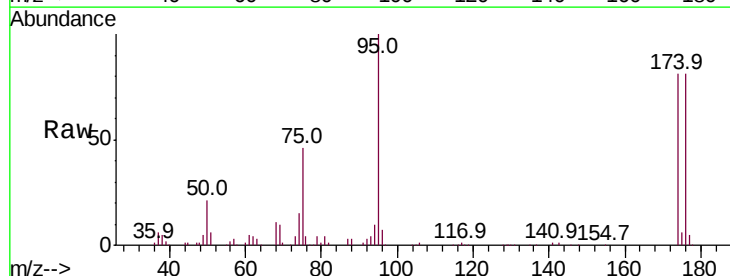
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

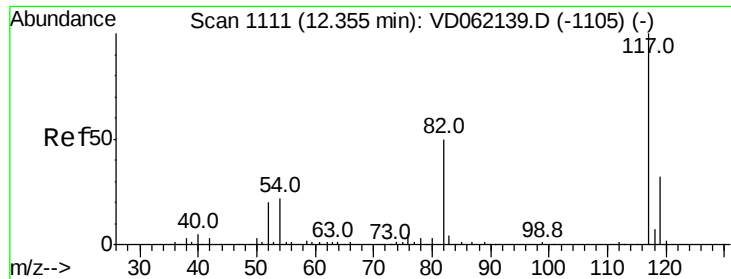
Tot Ion:107 Resp: 76753
 Ion Ratio Lower Upper
 107 100
 109 91.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.763 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion: 95 Resp: 370948
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 181.8
 176 80.6 0.0 174.4

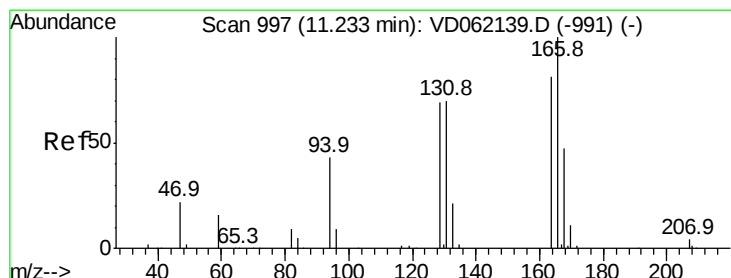
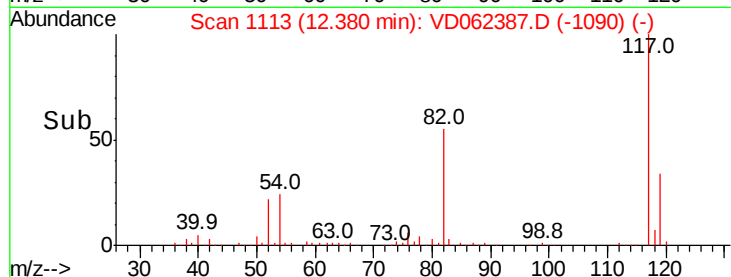
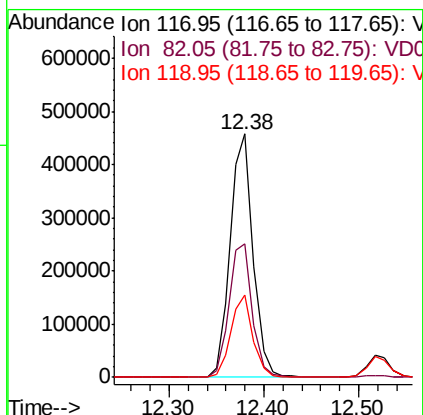
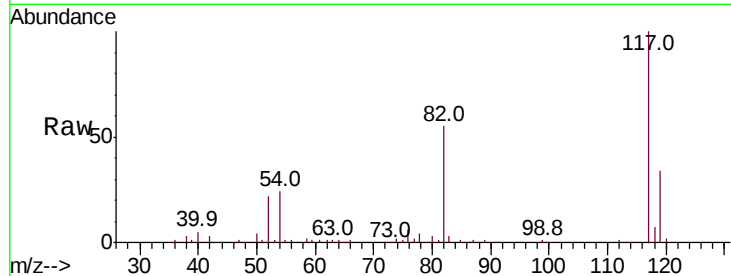




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

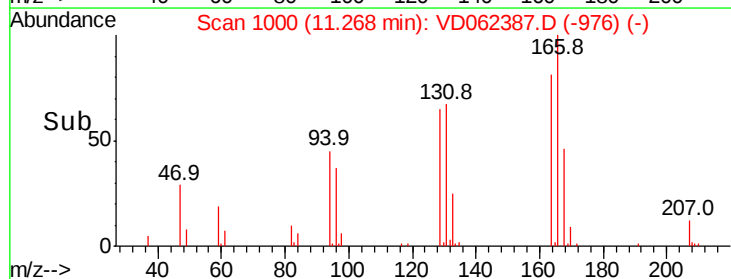
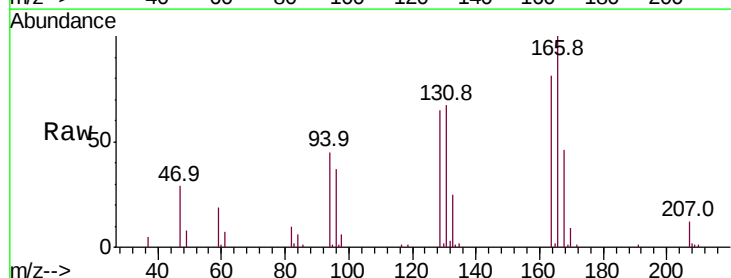
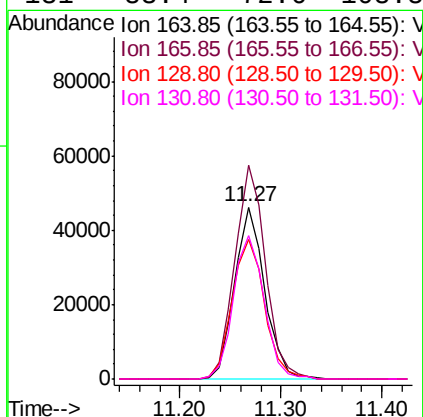
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

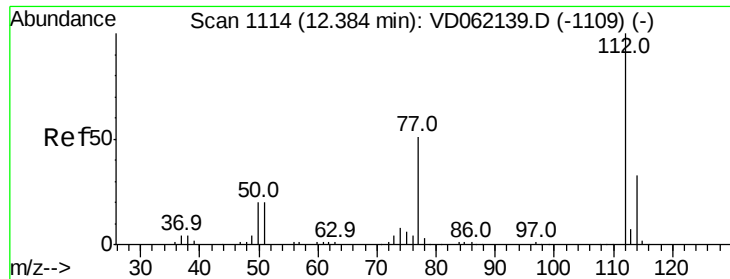
Tot Ion:117 Resp: 761671
Ion Ratio Lower Upper
117 100
82 54.6 36.2 54.2#
119 33.6 26.2 39.4



#64
Tetrachloroethene
Concen: 16.116 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:164 Resp: 95984
Ion Ratio Lower Upper
164 100
166 124.1 101.5 152.3
129 81.2 74.6 112.0
131 83.4 72.6 108.8

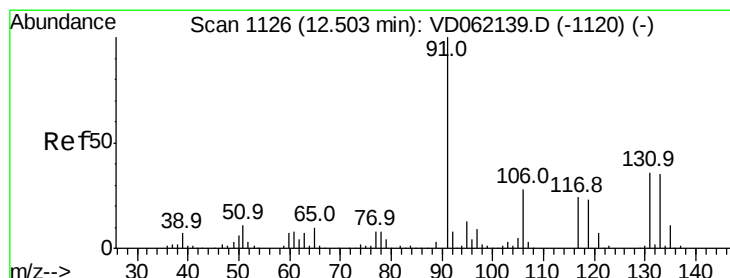
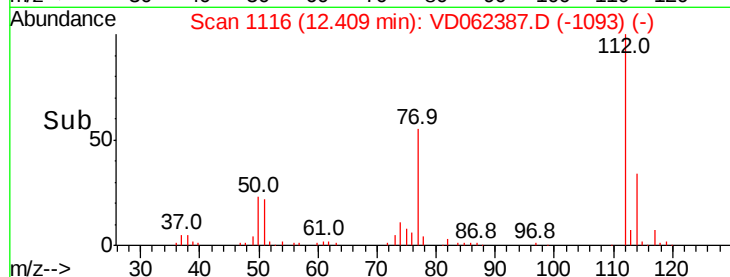
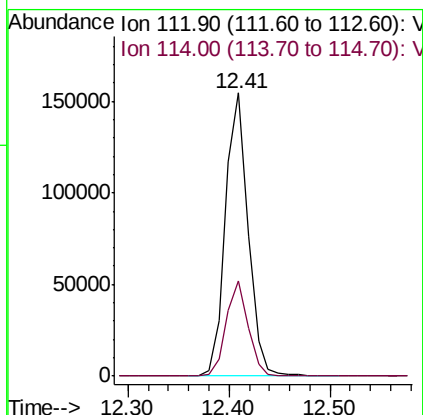
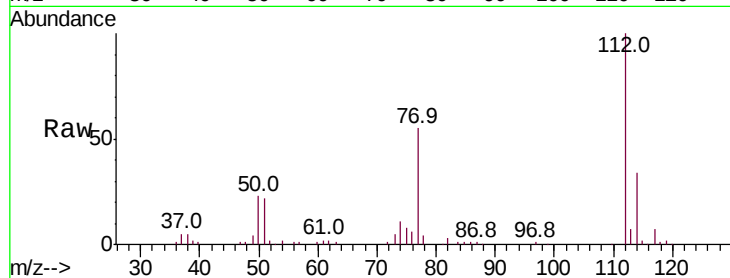




#65
Chlorobenzene
Concen: 16.991 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

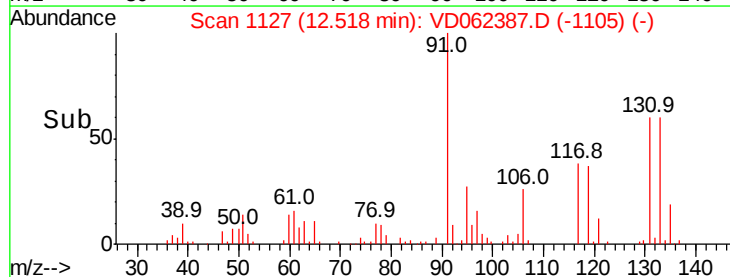
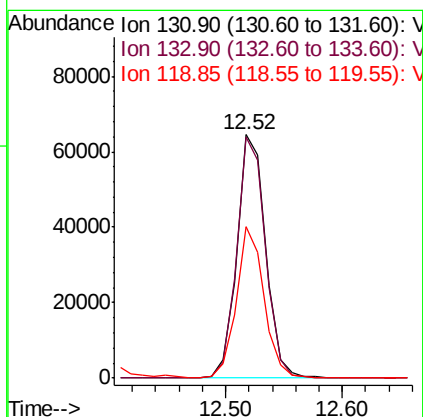
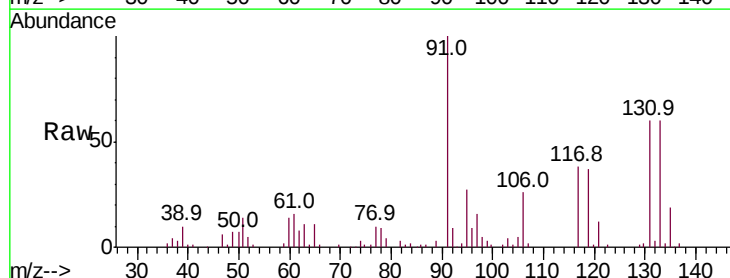
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

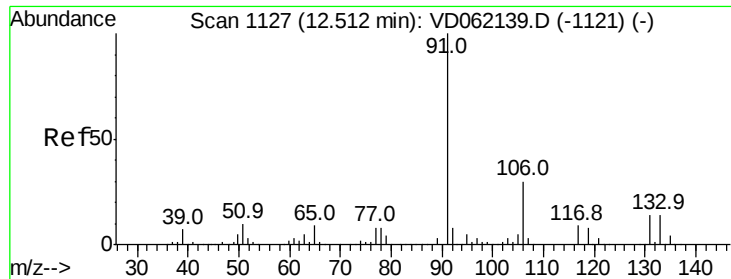
Tot Ion:112 Resp: 241047
Ion Ratio Lower Upper
112 100
114 33.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.749 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:131 Resp: 109582
Ion Ratio Lower Upper
131 100
133 99.0 48.6 145.8
119 62.2 34.7 104.1

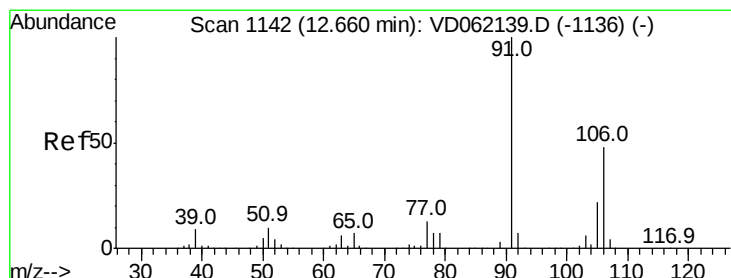
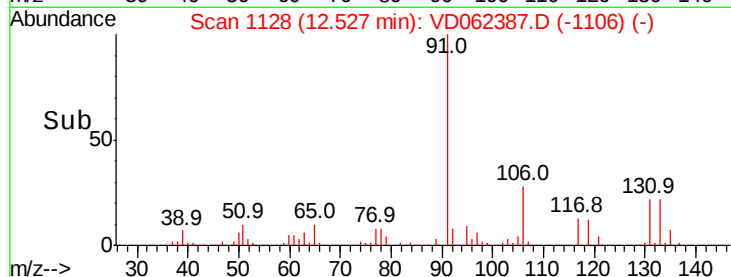
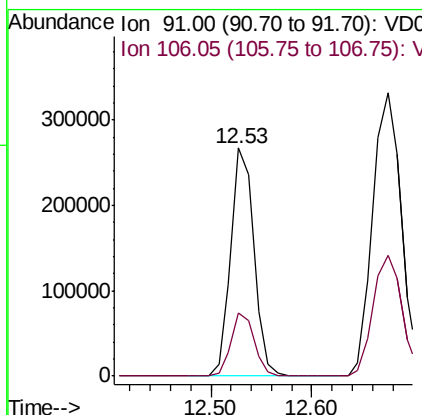
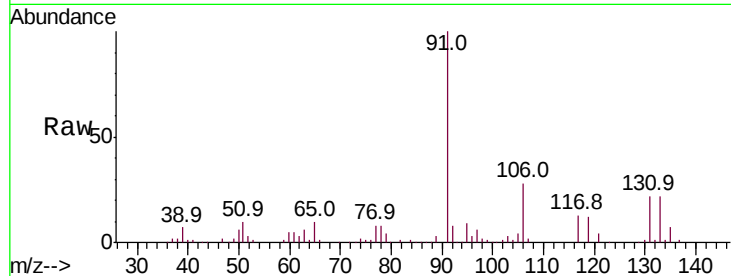




#67
Ethyl Benzene
Concen: 17.975 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

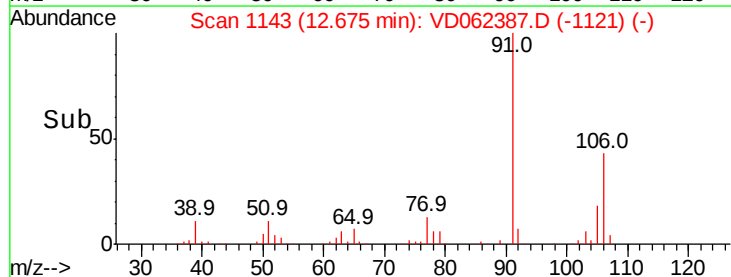
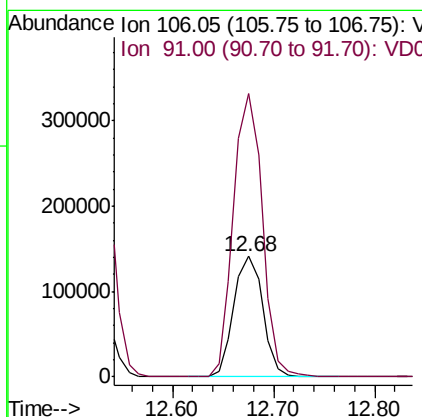
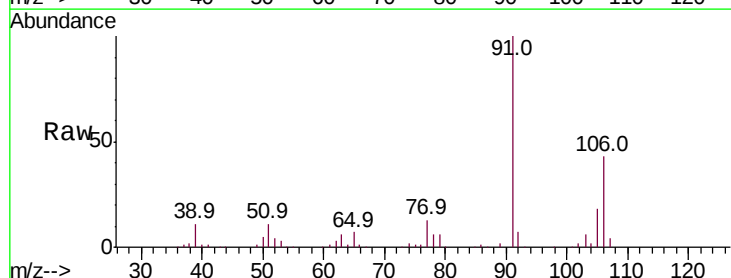
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

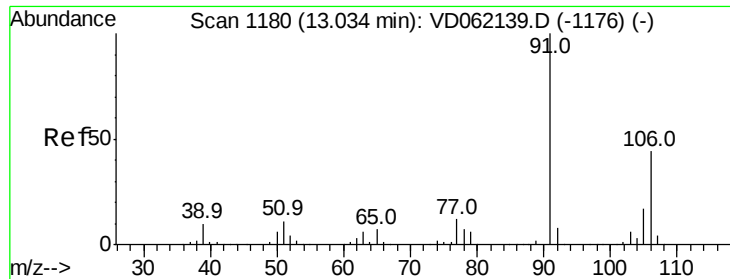
Tot Ion: 91 Resp: 426909
Ion Ratio Lower Upper
91 100
106 27.7 24.7 37.1



#68
m/p-Xylenes
Concen: 32.735 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:106 Resp: 282861
Ion Ratio Lower Upper
106 100
91 235.0 164.0 246.0

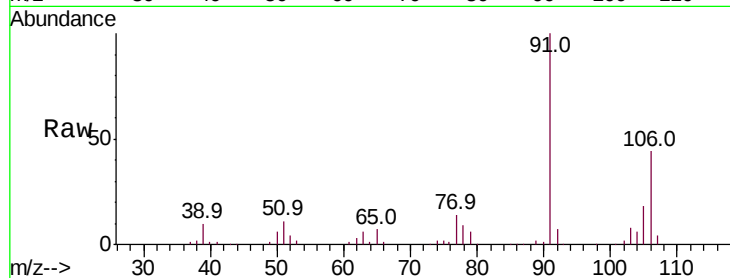




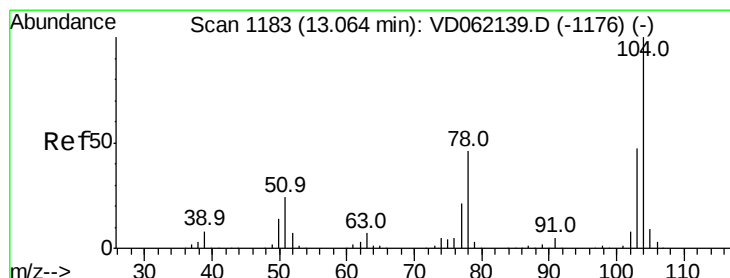
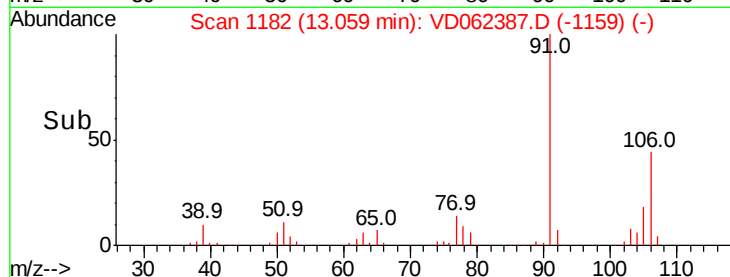
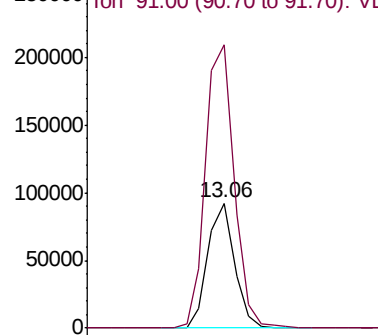
#69
o-Xylene
Concen: 16.826 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion:106 Resp: 135169
Ion Ratio Lower Upper
106 100
91 226.9 106.7 319.9

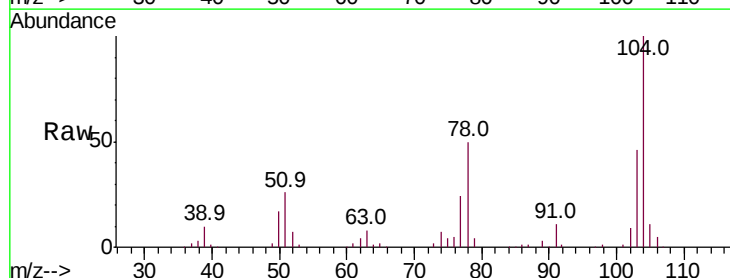


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

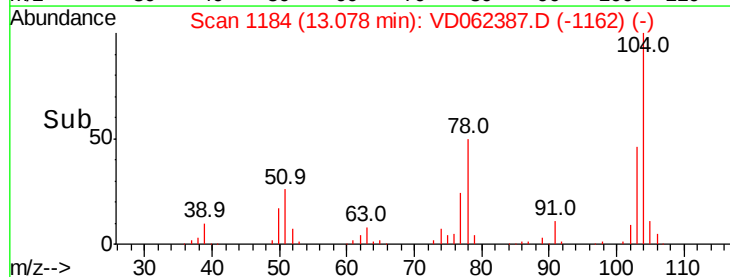
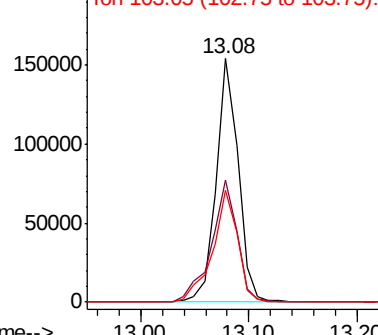


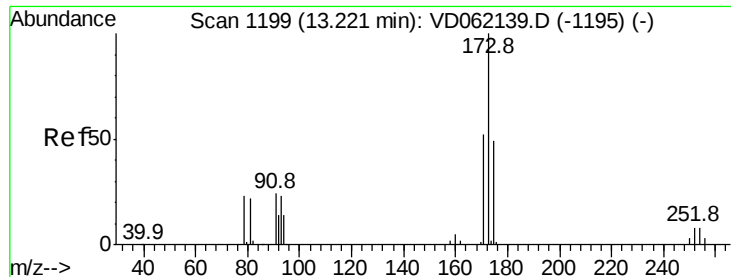
#70
Styrene
Concen: 15.937 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:104 Resp: 216877
Ion Ratio Lower Upper
104 100
78 50.3 35.4 53.2
103 46.1 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

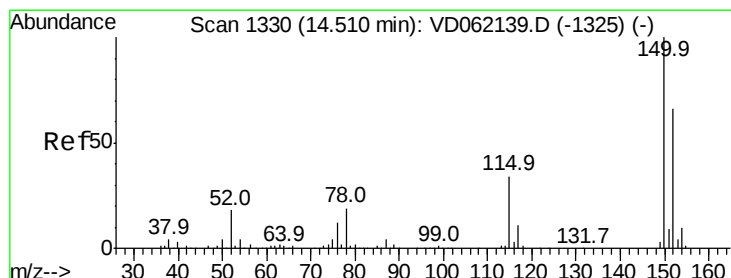
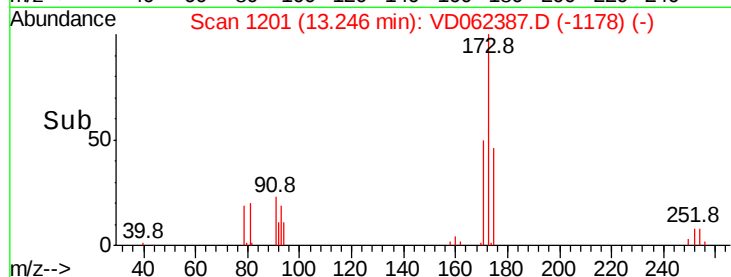
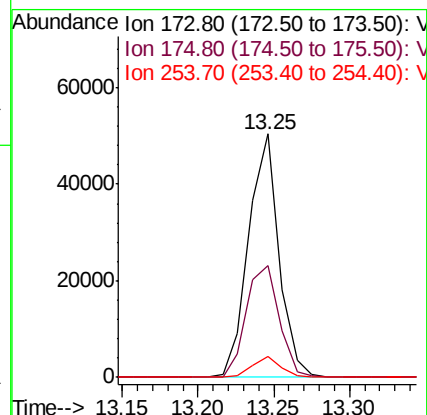
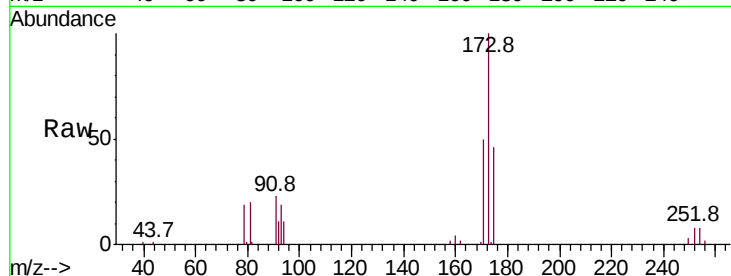




#71
Bromoform
Concen: 16.397 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

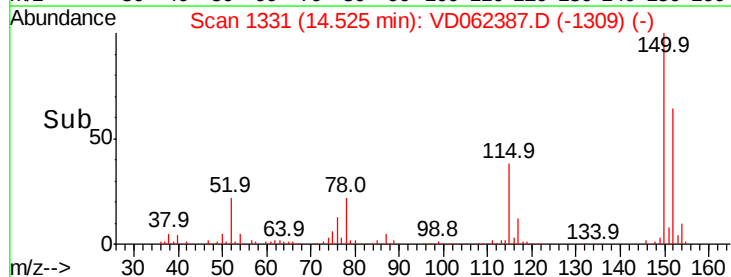
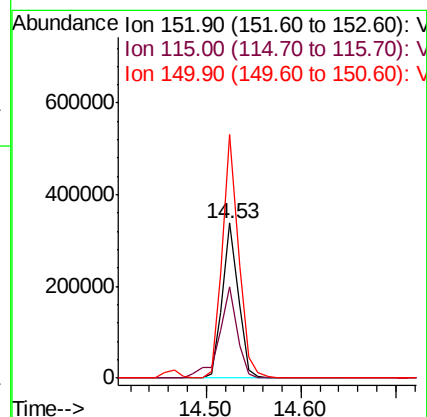
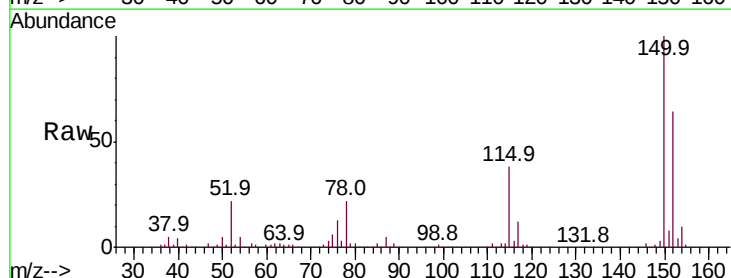
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

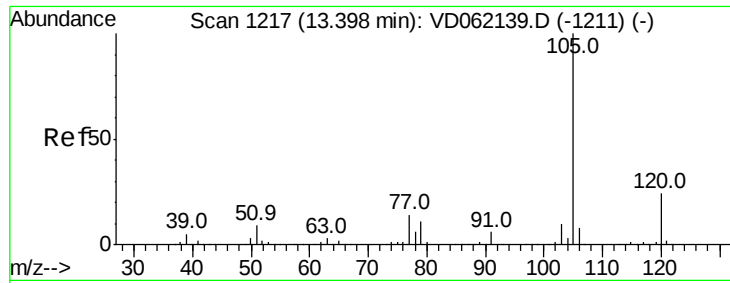
Tot Ion:173 Resp: 70433
Ion Ratio Lower Upper
173 100
175 46.2 24.4 73.4
254 8.5 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:152 Resp: 397555
Ion Ratio Lower Upper
152 100
115 59.1 30.9 92.7
150 157.3 0.0 314.8





#73

Isopropylbenzene

Concen: 15.954 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

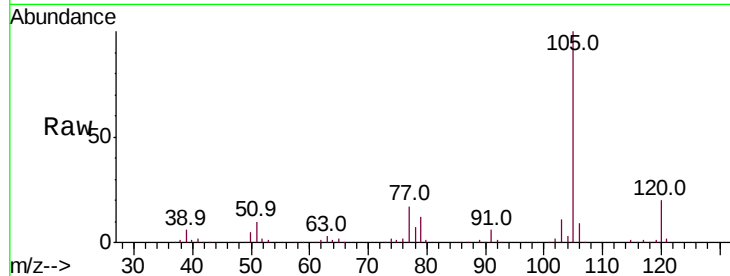
VD0515SBS01

Tot Ion:105 Resp: 380203

Ion Ratio Lower Upper

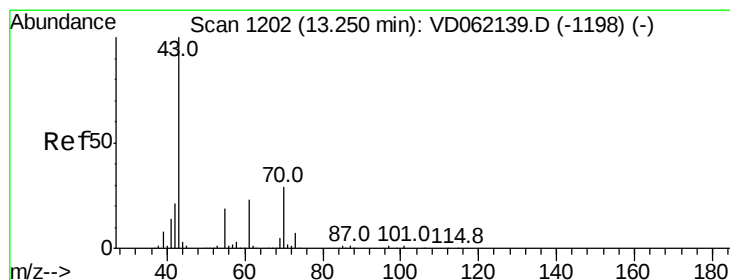
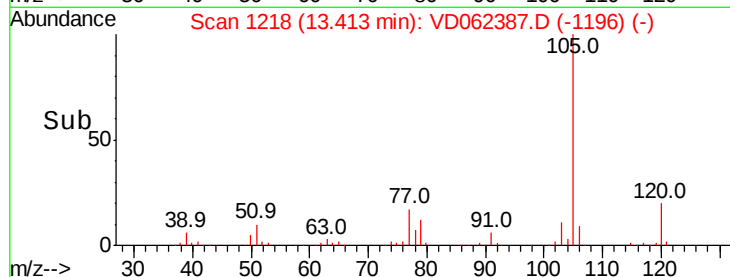
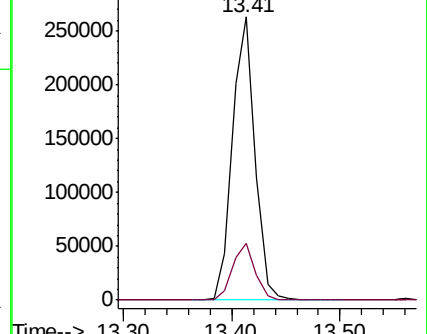
105 100

120 20.3 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: 17.902 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Tgt Ion: 43 Resp: 111850

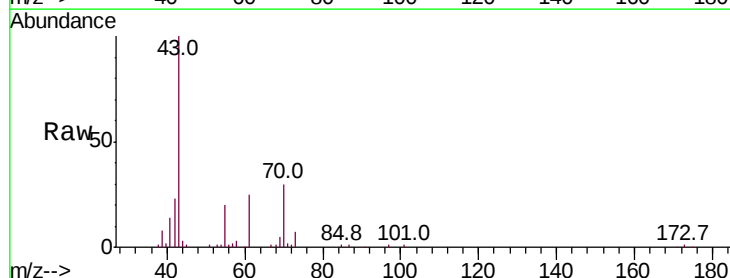
Ion Ratio Lower Upper

43 100

70 29.5 24.2 36.4

55 19.9 16.0 24.0

61 25.0 21.6 32.4

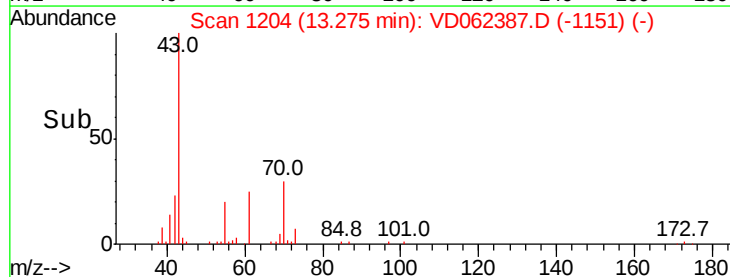
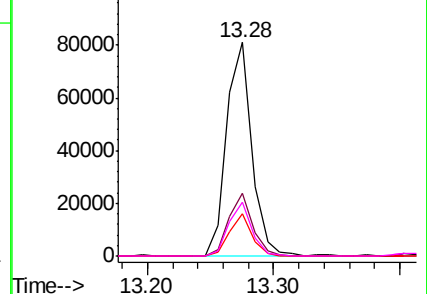


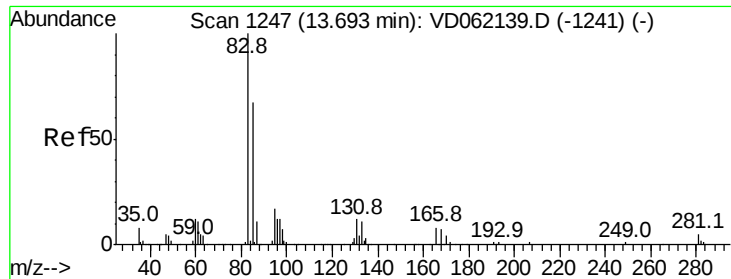
Abundance Ion 42.95 (42.65 to 43.65): V

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: 17.104 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

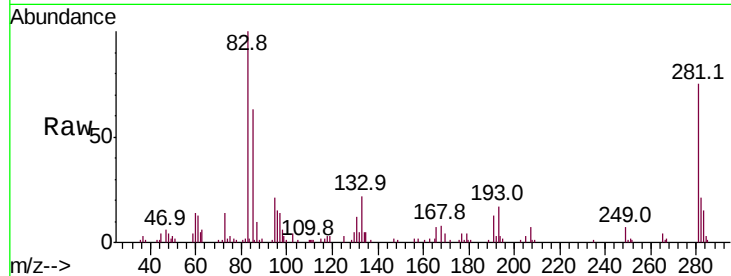
Tot Ion: 83 Resp: 77162

Ion Ratio Lower Upper

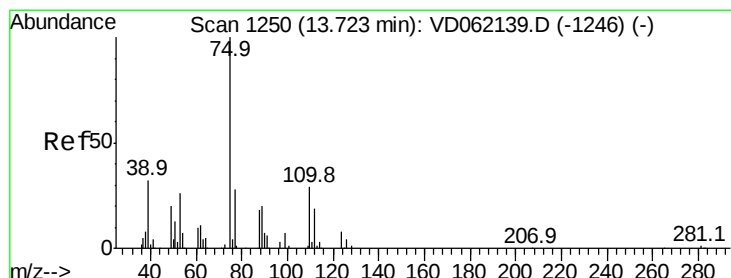
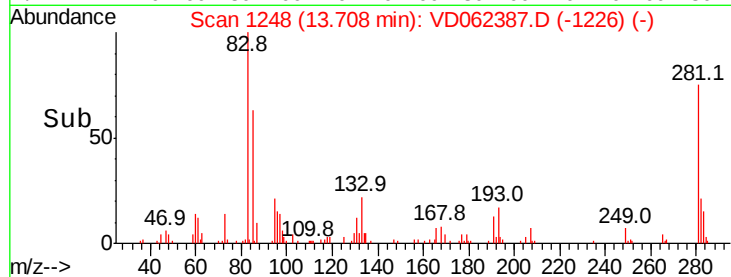
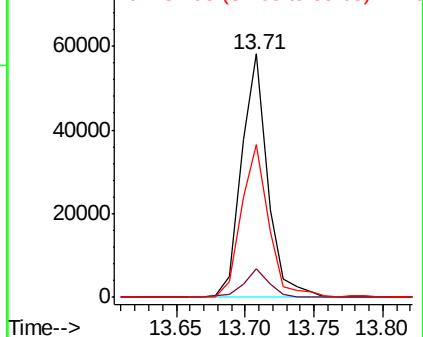
83 100

131 11.4 5.0 14.9

85 61.6 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: 17.710 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062387.D

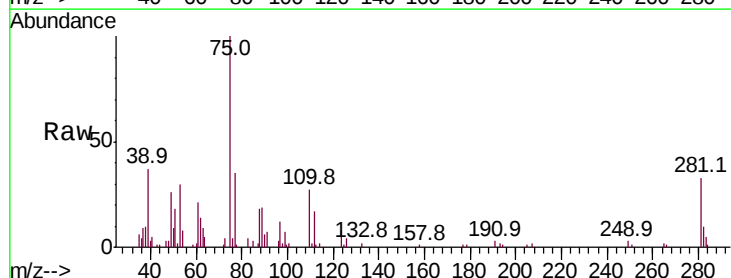
Acq: 15 May 2019 14:47

Tgt Ion: 75 Resp: 83671

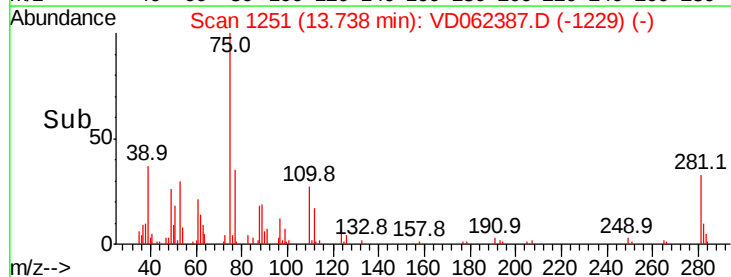
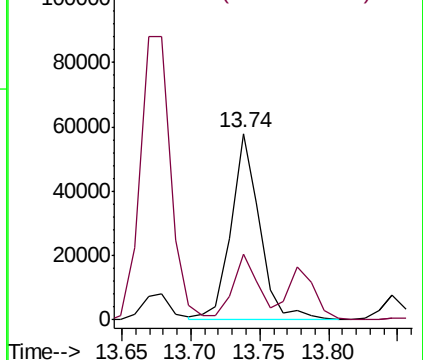
Ion Ratio Lower Upper

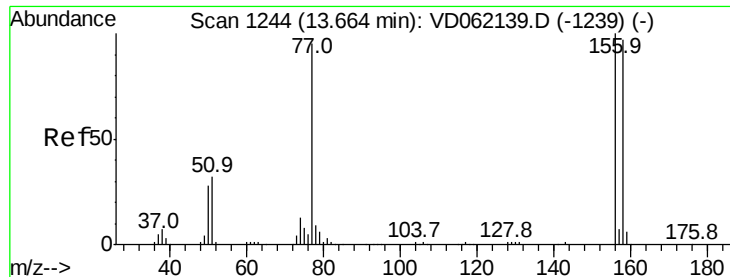
75 100

77 35.2 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: 16.115 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

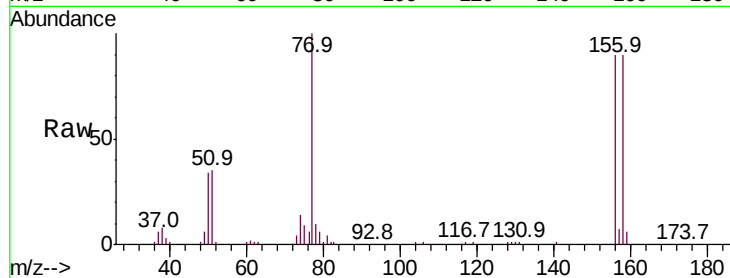
Tot Ion:156 Resp: 107506

Ion Ratio Lower Upper

156 100

77 111.7 53.1 159.4

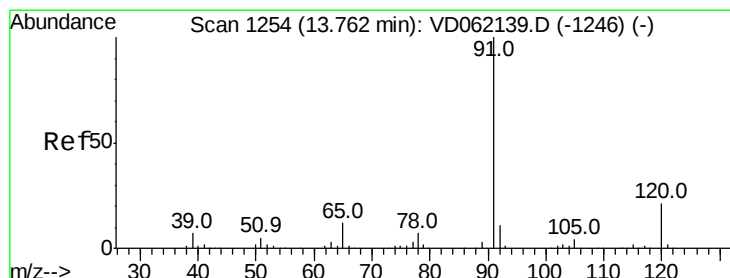
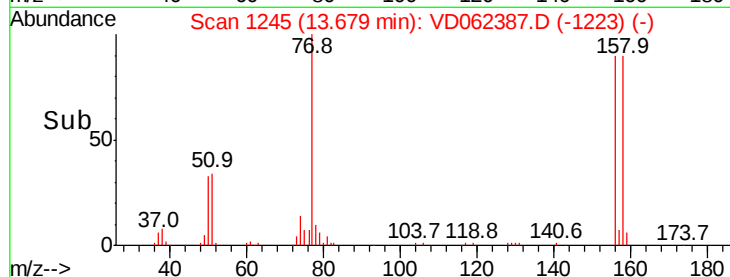
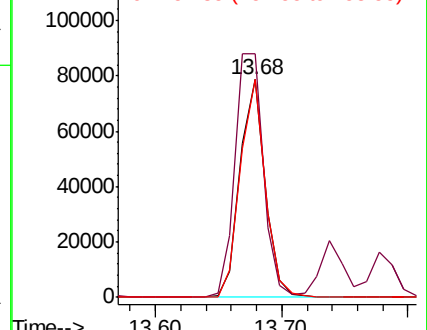
158 100.2 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 17.968 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062387.D

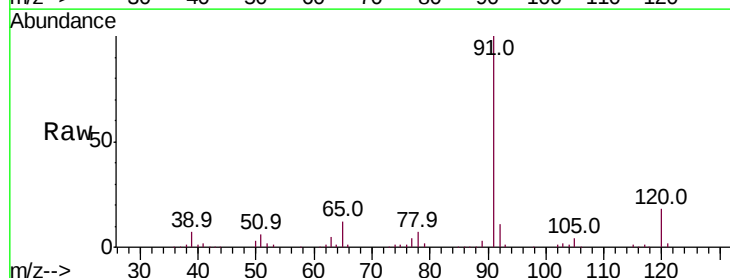
Acq: 15 May 2019 14:47

Tgt Ion: 91 Resp: 510782

Ion Ratio Lower Upper

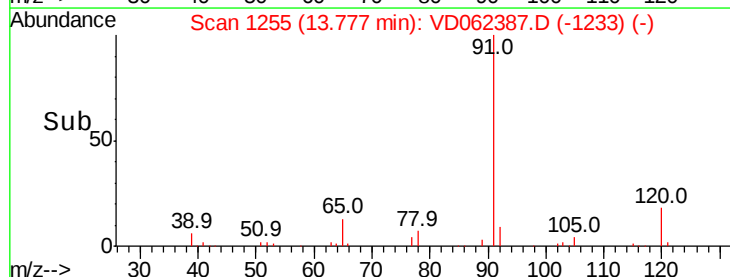
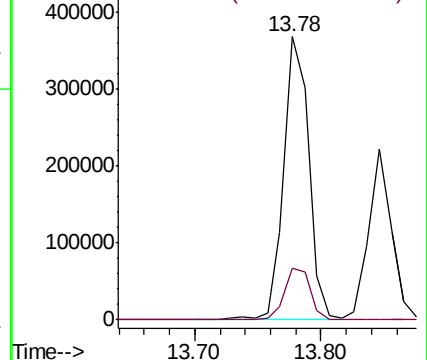
91 100

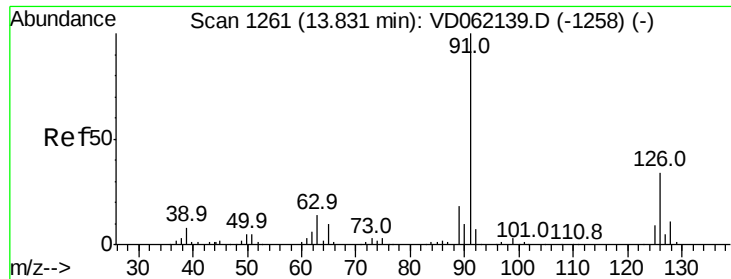
120 18.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.980 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

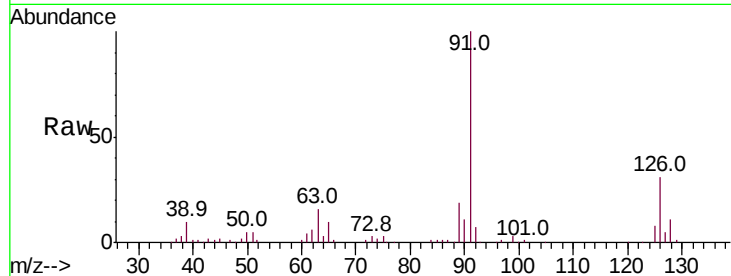
VD0515SBS01

Tot Ion: 91 Resp: 276448

Ion Ratio Lower Upper

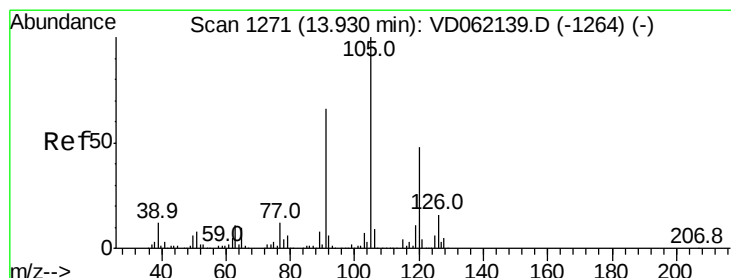
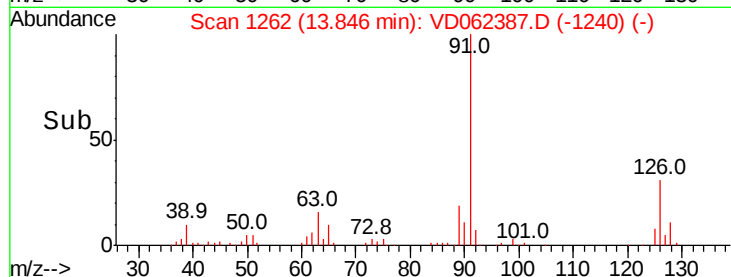
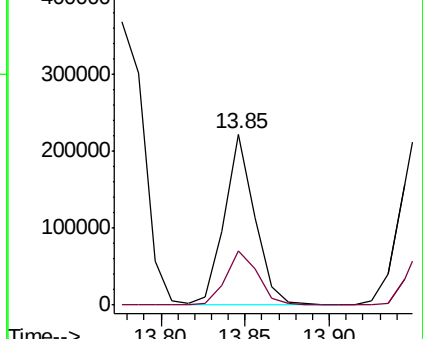
91 100

126 31.3 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 17.760 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062387.D

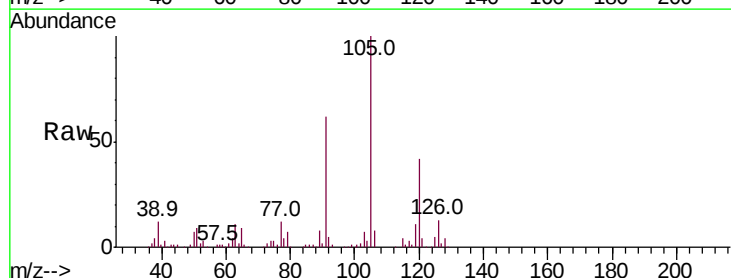
Acq: 15 May 2019 14:47

Tgt Ion:105 Resp: 356390

Ion Ratio Lower Upper

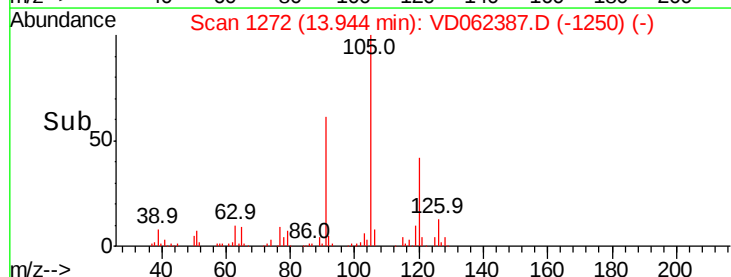
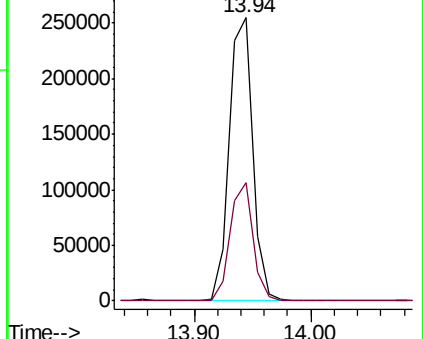
105 100

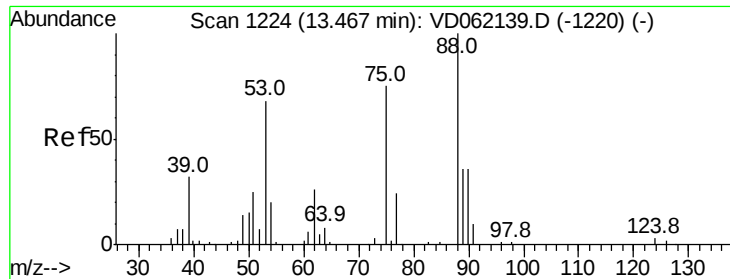
120 41.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.932 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

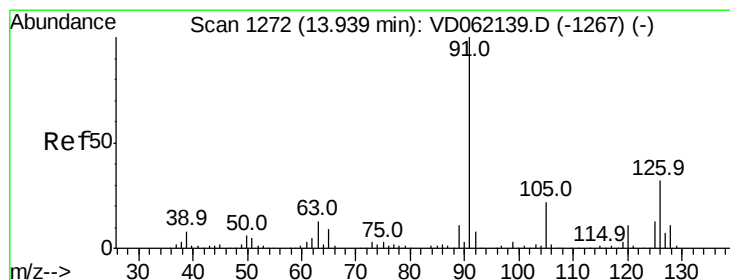
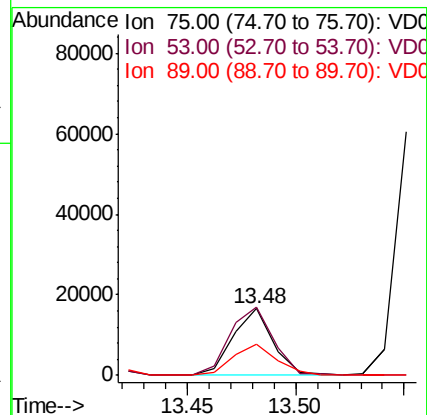
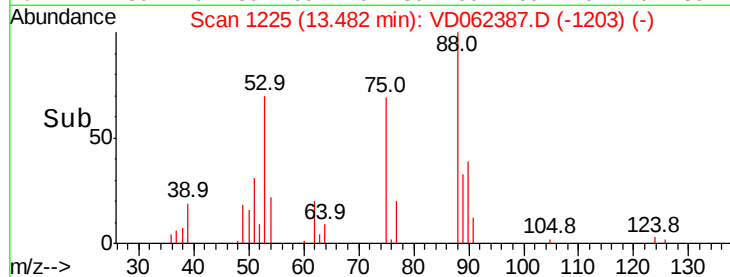
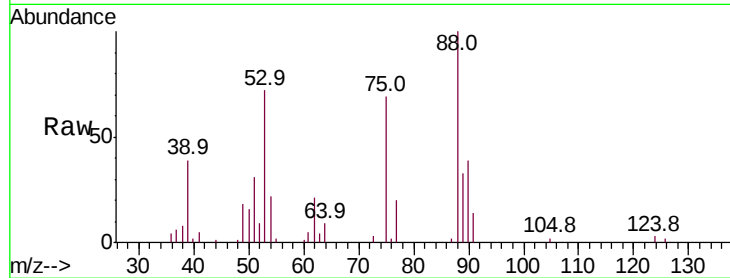
Tot Ion: 75 Resp: 21250

Ion Ratio Lower Upper

75 100

53 102.9 65.8 98.8#

89 46.8 35.0 52.6



#82

4-Chlorotoluene

Concen: 18.253 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062387.D

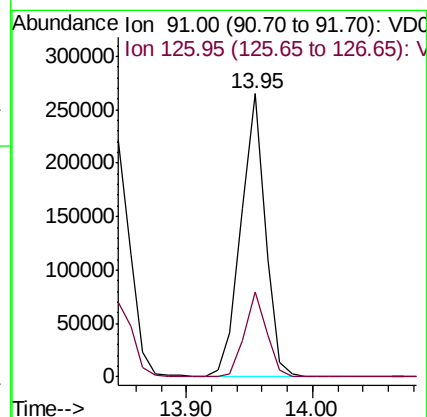
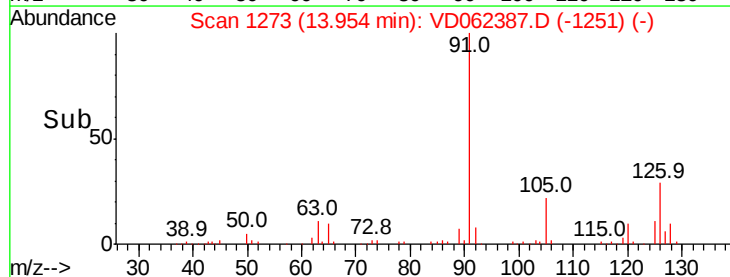
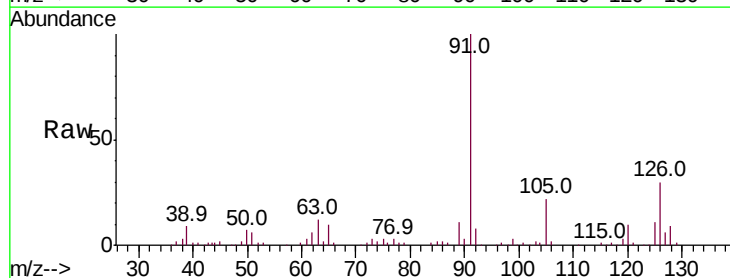
Acq: 15 May 2019 14:47

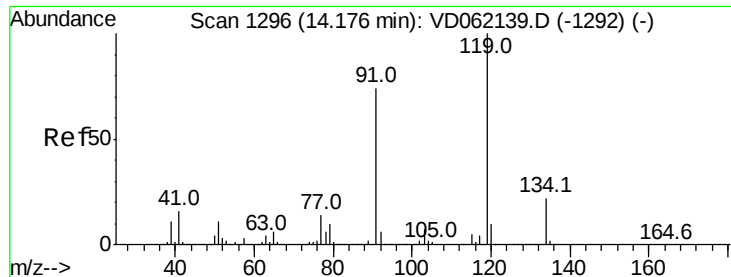
Tgt Ion: 91 Resp: 349708

Ion Ratio Lower Upper

91 100

126 29.9 19.1 57.5

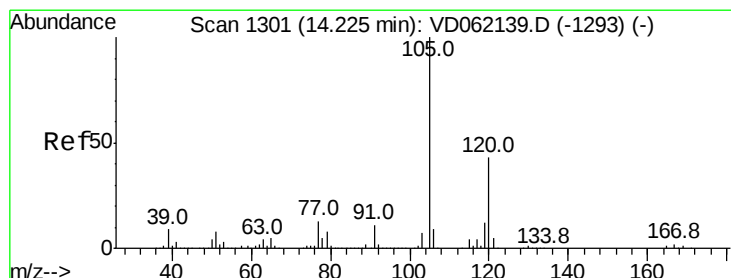
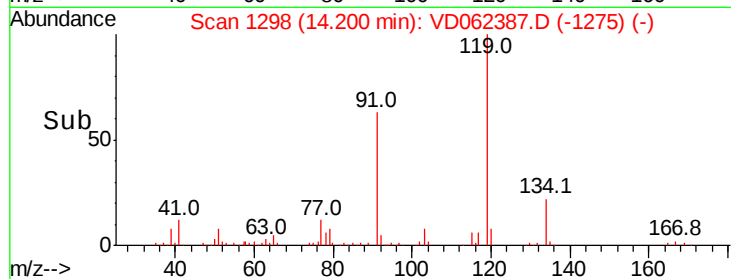
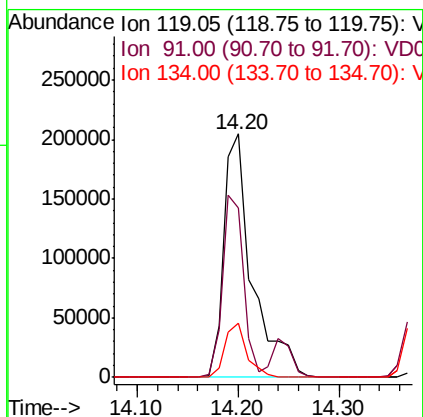
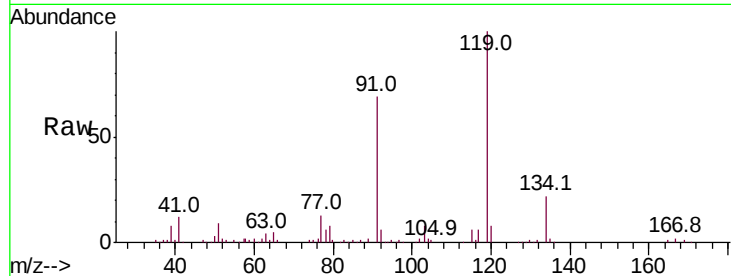




#83
tert-Butylbenzene
Concen: 17.755 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

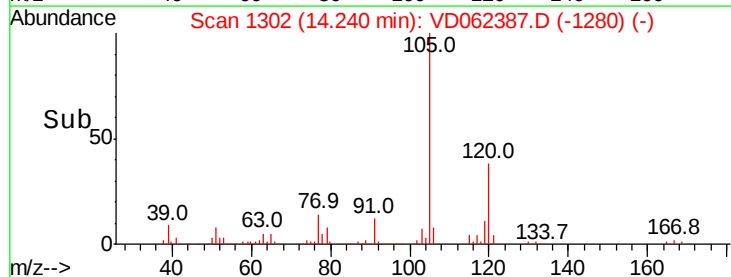
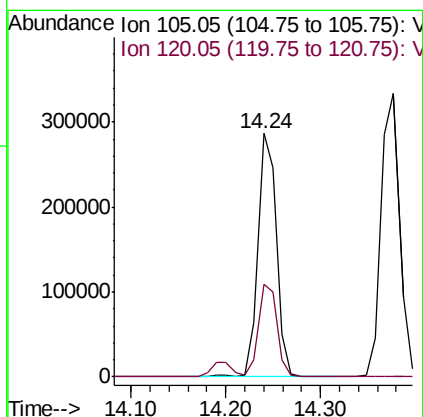
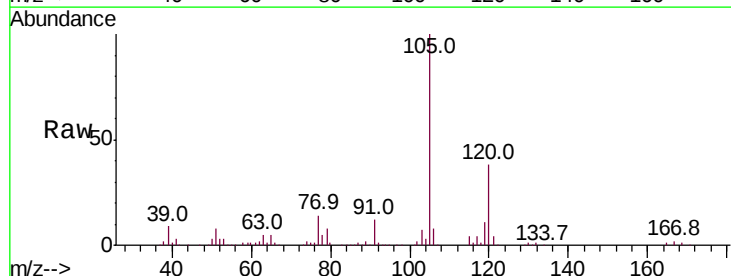
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

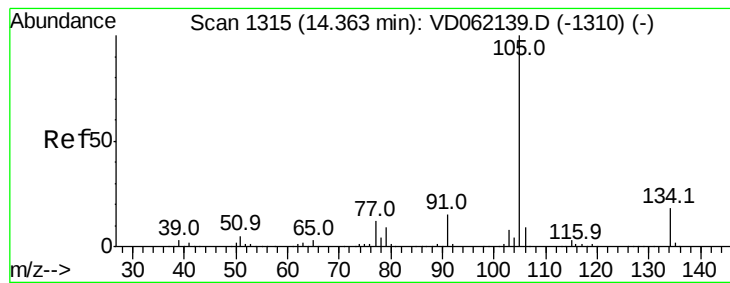
Tot Ion:119 Resp: 400482
Ion Ratio Lower Upper
119 100
91 69.3 34.2 102.6
134 22.1 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 19.325 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:105 Resp: 389168
Ion Ratio Lower Upper
105 100
120 38.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 18.521 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

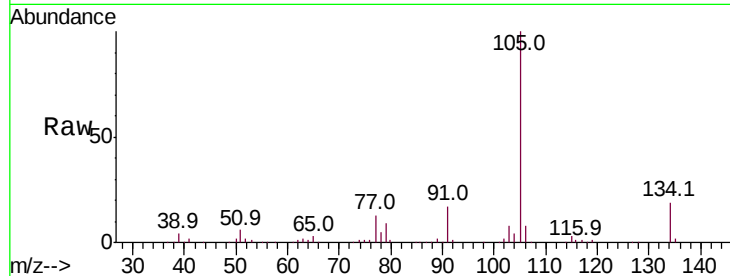
VD0515SBS01

Tot Ion:105 Resp: 458030

Ion Ratio Lower Upper

105 100

134 18.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.38

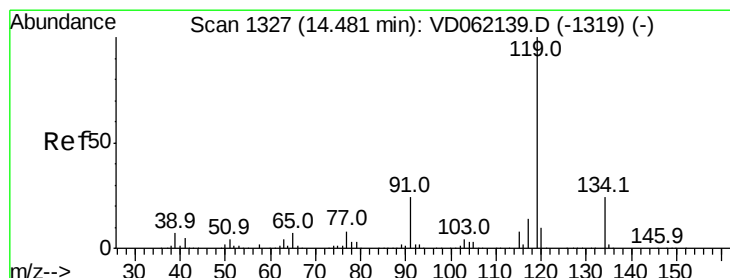
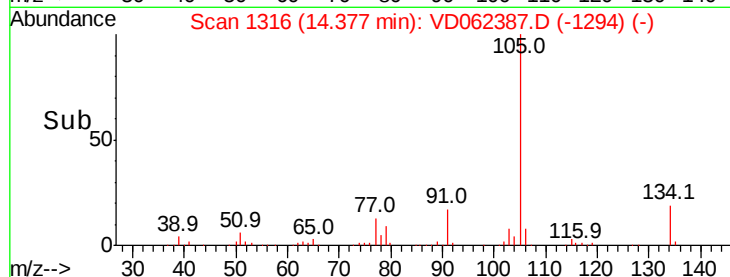
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 14.701 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

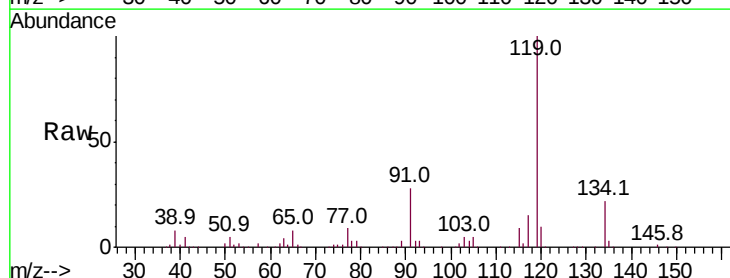
Tgt Ion:119 Resp: 324820

Ion Ratio Lower Upper

119 100

134 22.4 12.8 38.3

91 28.0 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

14.50

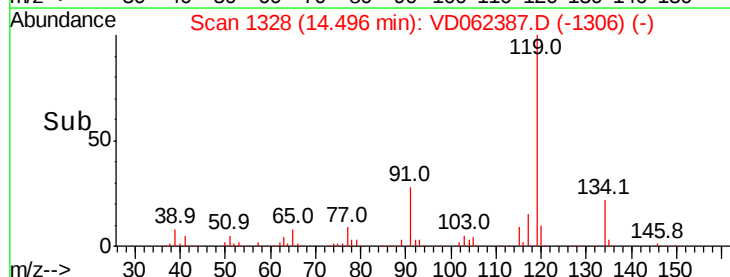
300000

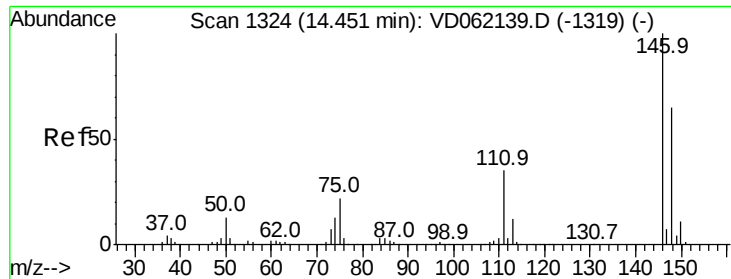
200000

100000

0

Time-->

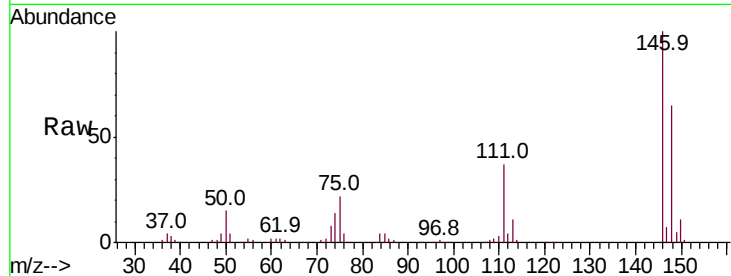




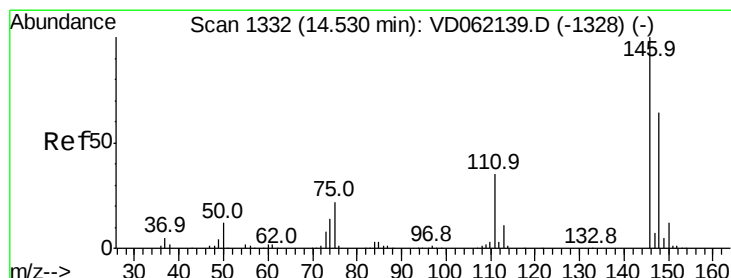
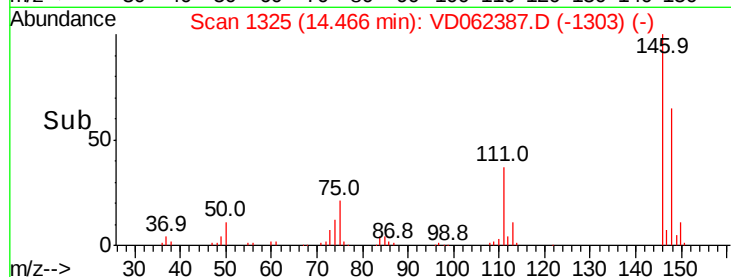
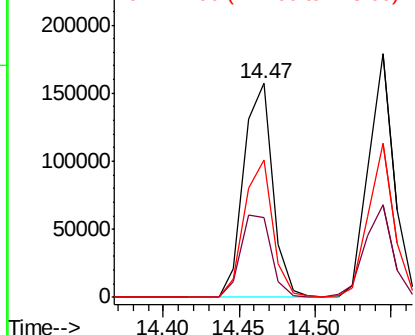
#87
 1,3-Dichlorobenzene
 Concen: 17.214 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion:146 Resp: 209782
 Ion Ratio Lower Upper
 146 100
 111 37.2 20.0 60.0
 148 64.6 31.8 95.4

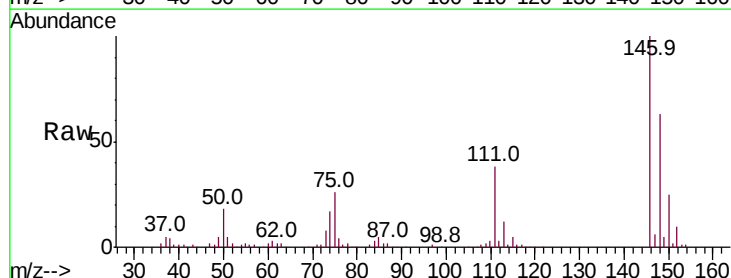


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

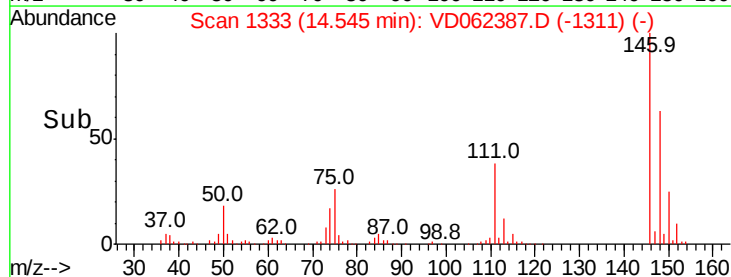
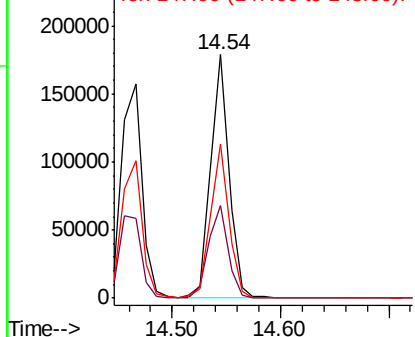


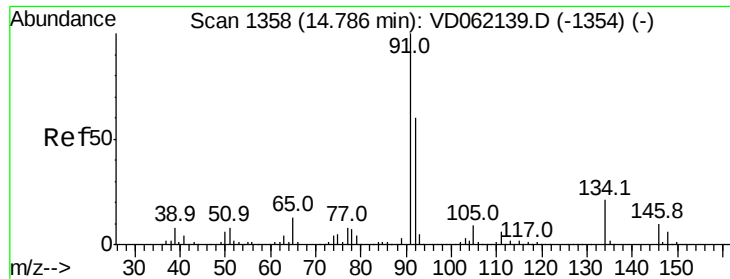
#88
 1,4-Dichlorobenzene
 Concen: 17.652 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion:146 Resp: 211361
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.2 60.5
 148 63.4 32.0 96.2



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

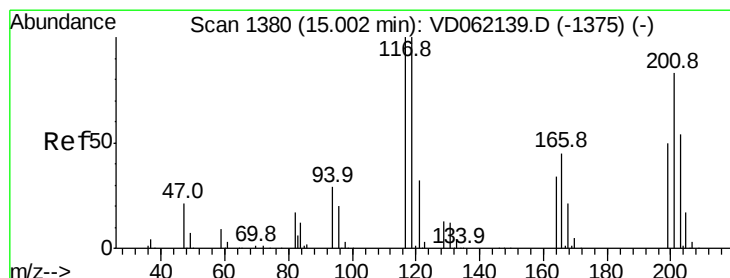
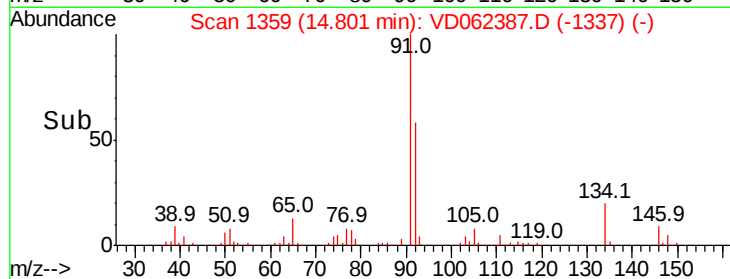
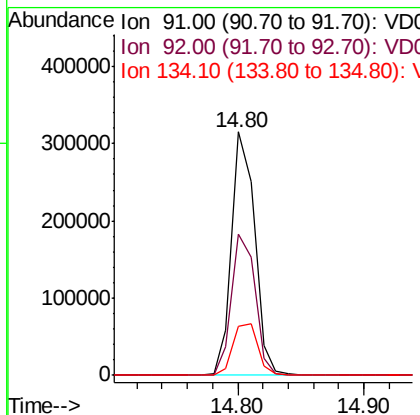
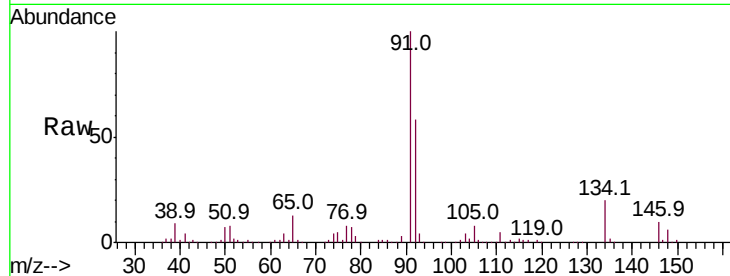




#89
n-Butylbenzene
Concen: 20.081 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

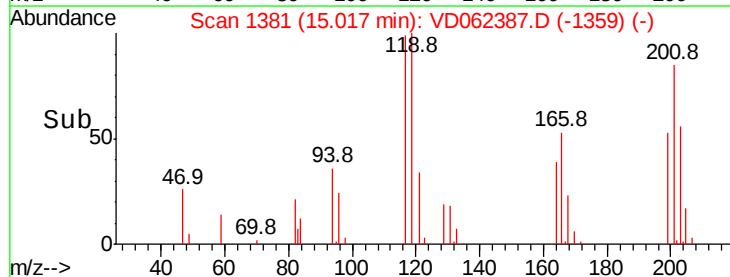
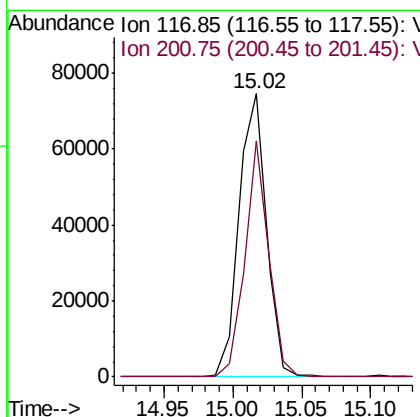
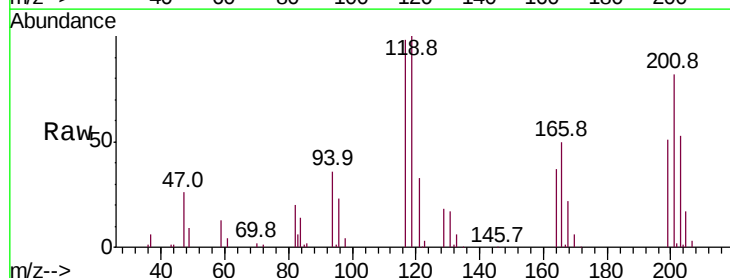
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

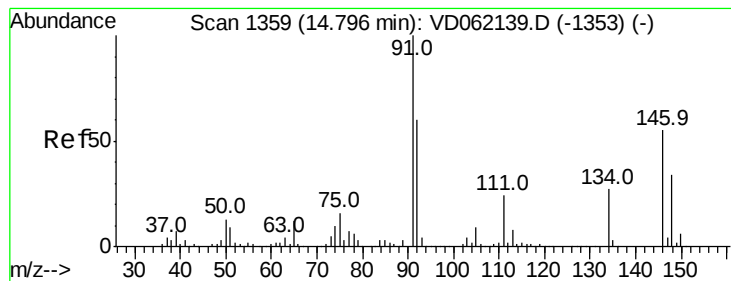
Tot Ion: 91 Resp: 398247
Ion Ratio Lower Upper
91 100
92 58.2 30.3 91.0
134 20.1 14.5 43.6



#90
Hexachloroethane
Concen: 17.233 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion: 117 Resp: 103547
Ion Ratio Lower Upper
117 100
201 83.2 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 18.676 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

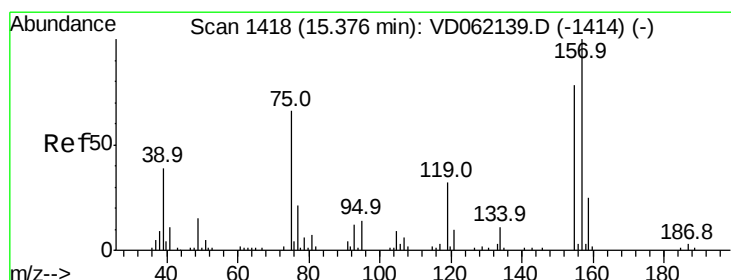
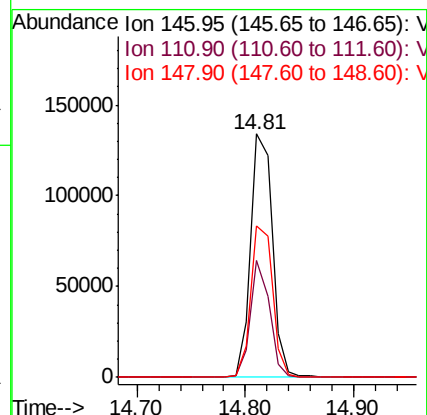
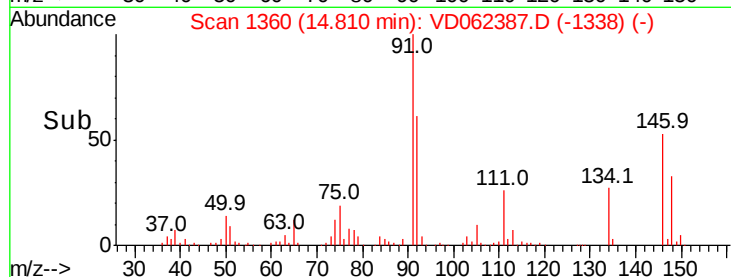
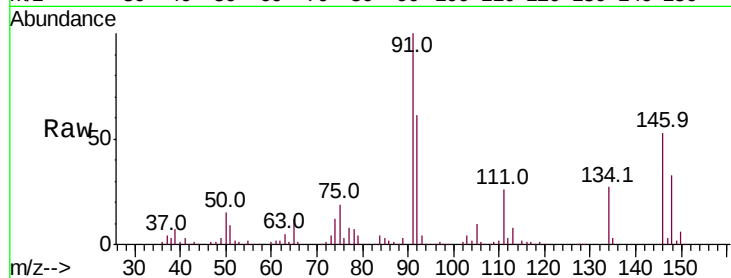
Tot Ion:146 Resp: 187440

Ion Ratio Lower Upper

146 100

111 48.1 20.0 59.9

148 62.4 32.3 96.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.232 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VD062387.D

Acq: 15 May 2019 14:47

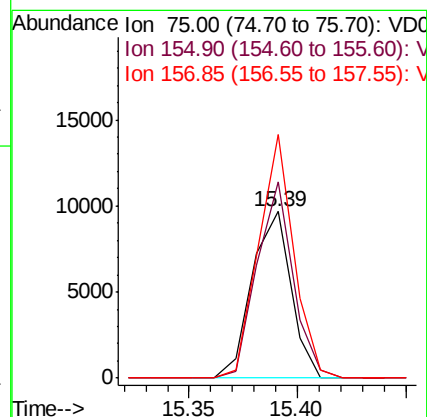
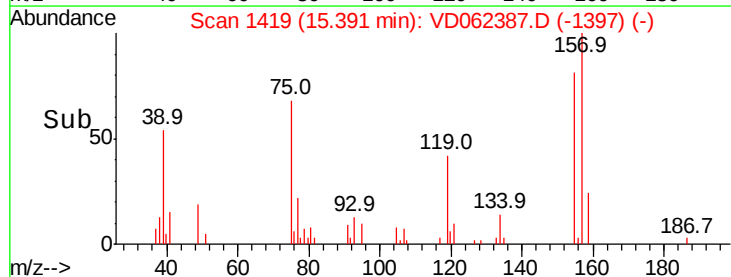
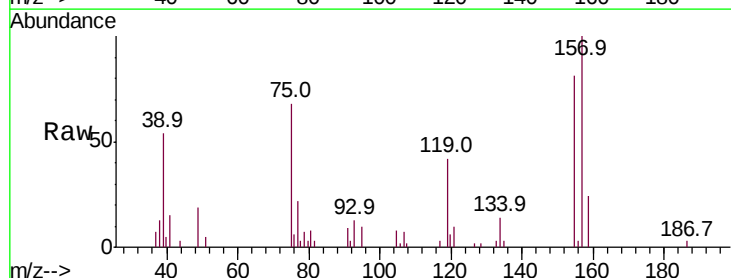
Tgt Ion: 75 Resp: 12021

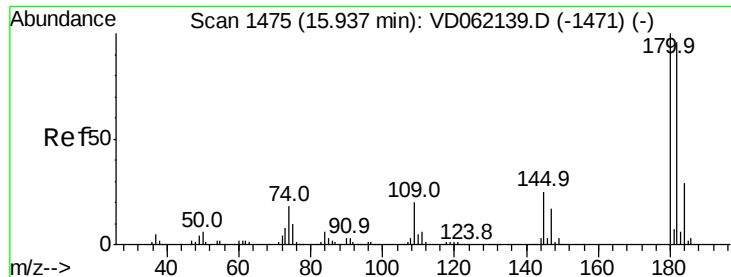
Ion Ratio Lower Upper

75 100

155 118.0 55.3 165.8

157 146.5 67.8 203.2

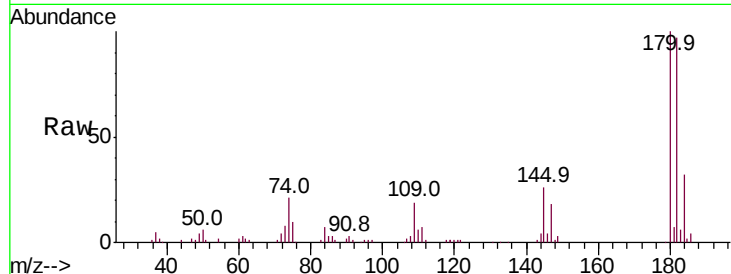




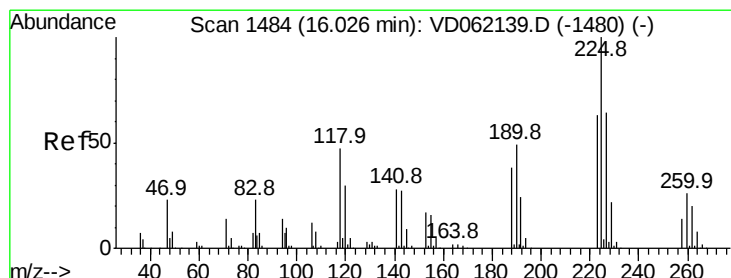
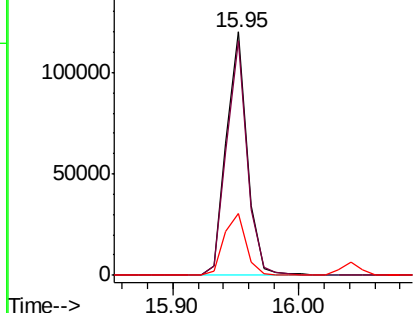
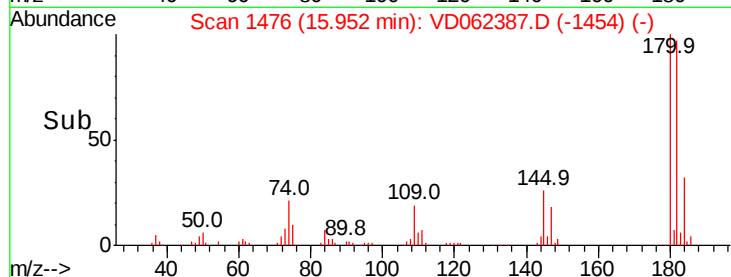
#93
 1,2,4-Trichlorobenzene
 Concen: 18.616 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion:180 Resp: 135990
 Ion Ratio Lower Upper
 180 100
 182 96.6 49.3 147.8
 145 25.6 16.2 48.6

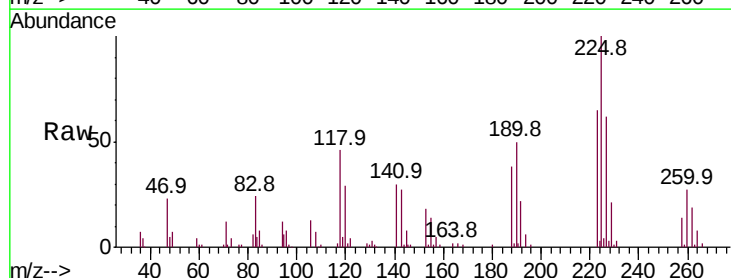


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

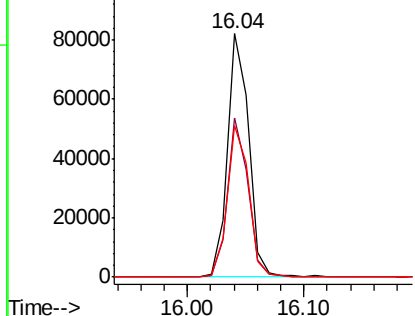
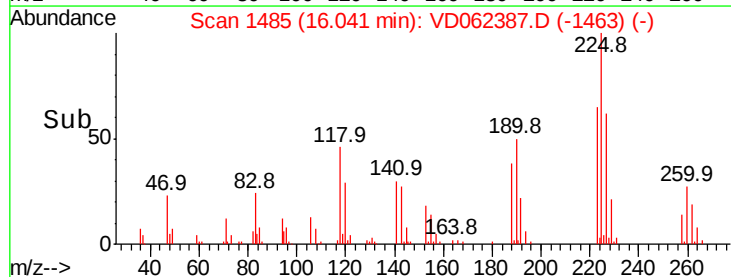


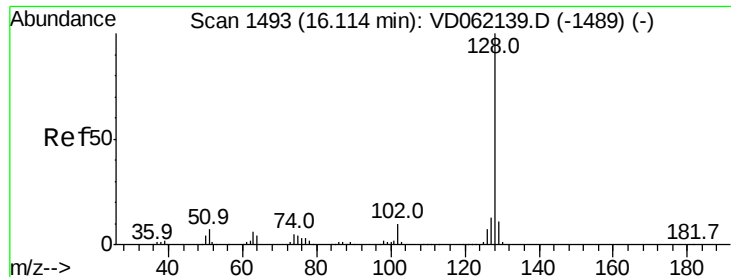
#94
 Hexachlorobutadiene
 Concen: 18.969 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062387.D
 Acq: 15 May 2019 14:47

Tgt Ion:225 Resp: 103066
 Ion Ratio Lower Upper
 225 100
 223 65.5 30.6 92.0
 227 62.0 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

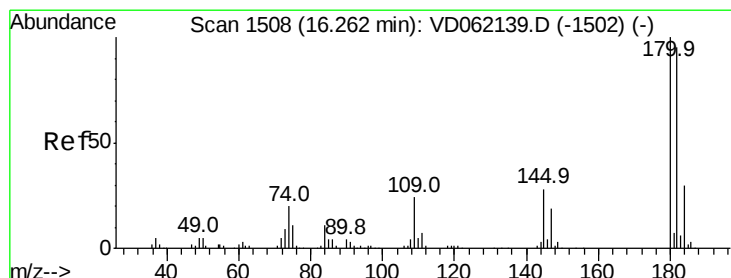
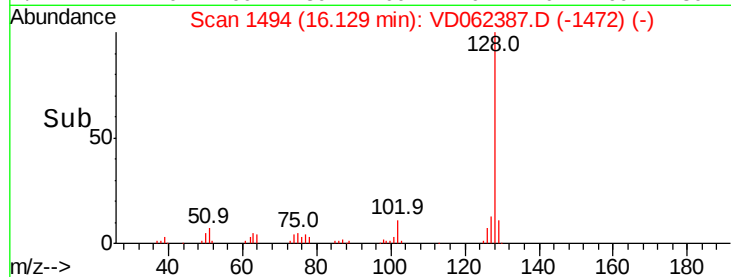
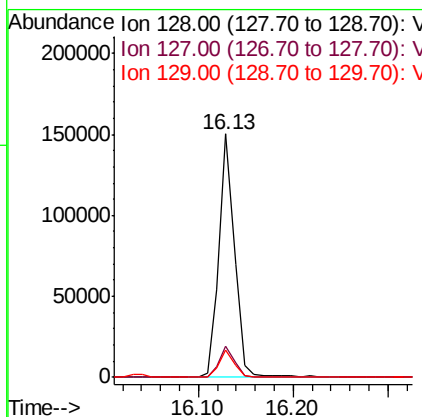
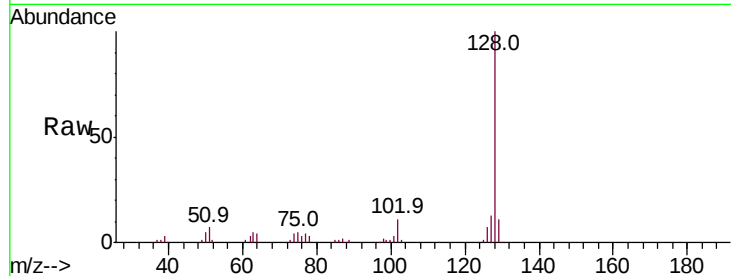




#95
Naphthalene
Concen: 16.900 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion:128 Resp: 172359
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.184 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062387.D
Acq: 15 May 2019 14:47

Tgt Ion:180 Resp: 97300
Ion Ratio Lower Upper
180 100
182 94.7 47.0 141.0
145 29.9 17.0 51.0

