

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062420.D
 Acq On : 16 May 2019 16:28
 Operator : FY/SY
 Sample : K2823-06
 Misc : 5.42g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 12-B2

Quant Time: May 17 02:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	510459	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	854953	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	662605	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	315552	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	261554	55.14	ug/l	0.03
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	6.92	113	298196	42.04	ug/l	0.03
Spiked Amount			Recovery	=	84.08%	
50) Toluene-d8	10.43	98	894969	52.33	ug/l	0.03
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	13.57	95	330453	48.11	ug/l	0.02
Spiked Amount			Recovery	=	96.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.17	56	419907	1676.610	ug/l	94
15) Acrylonitrile	4.23	53	386771	607.689	ug/l #	42
16) Acetone	3.16	43	1485990	1493.732	ug/l #	59
20) Methylene Chloride	3.81	84	33487	8.062	ug/l #	1
23) Vinyl Acetate	5.06	43	26070	4.103	ug/l #	90
24) 1,1-Dichloroethane	5.06	63	11071	1.524	ug/l #	85
25) 2-Butanone	6.01	43	154360	142.253	ug/l #	56
29) Tetrahydrofuran	6.67	42	72070	144.148	ug/l #	1
30) Chloroform	6.62	83	271412	30.999	ug/l #	31
31) Cyclohexane	7.00	56	4291187	862.170	ug/l #	44
36) 1,1-Dichloropropene	7.05	75	46022	6.565	ug/l #	71
37) Ethyl Acetate	6.31	43	12086	4.066	ug/l #	1
38) Carbon Tetrachloride	7.05	117	53066	5.469	ug/l #	15
39) Methylcyclohexane	8.88	83	4795497	714.014	ug/l	89
41) Methacrylonitrile	6.46	41	91676	25.235	ug/l #	69
42) 1,2-Dichloroethane	7.63	62	24073	3.590	ug/l #	1
43) Isopropyl Acetate	9.29	43	652152	154.683	ug/l #	44
45) 1,2-Dichloropropane	8.96	63	17446	4.456	ug/l #	1
46) Dibromomethane	9.04	93	12211	3.835	ug/l #	1
47) Bromodichloromethane	9.41	83	510897	65.602	ug/l #	26
48) Methyl methacrylate	9.13	41	830281	319.719	ug/l #	36
51) 4-Methyl-2-Pentanone	10.39	43	1290937	476.342	ug/l #	72
52) Toluene	10.53	92	63013	6.118	ug/l	89
55) 1,1,2-Trichloroethane	11.26	97	180726	49.595	ug/l #	30
56) Ethyl methacrylate	11.12	69	799227	211.063	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	45368	21.934	ug/l #	46
59) 2-Hexanone	11.51	43	2973342	1488.567	ug/l #	31
60) Dibromochloromethane	11.66	129	14127	2.243	ug/l	87
61) 1,2-Dibromoethane	11.84	107	8012	1.808	ug/l #	1
65) Chlorobenzene	12.35	112	43708	3.542	ug/l #	59
67) Ethyl Benzene	12.54	91	88110	4.265	ug/l	90
68) m/p-Xylenes	12.68	106	29231	3.889	ug/l #	46
73) Isopropylbenzene	13.42	105	1020253	53.938	ug/l	99
74) N-ethyl acetate	13.24	43	1893355	381.789	ug/l #	59

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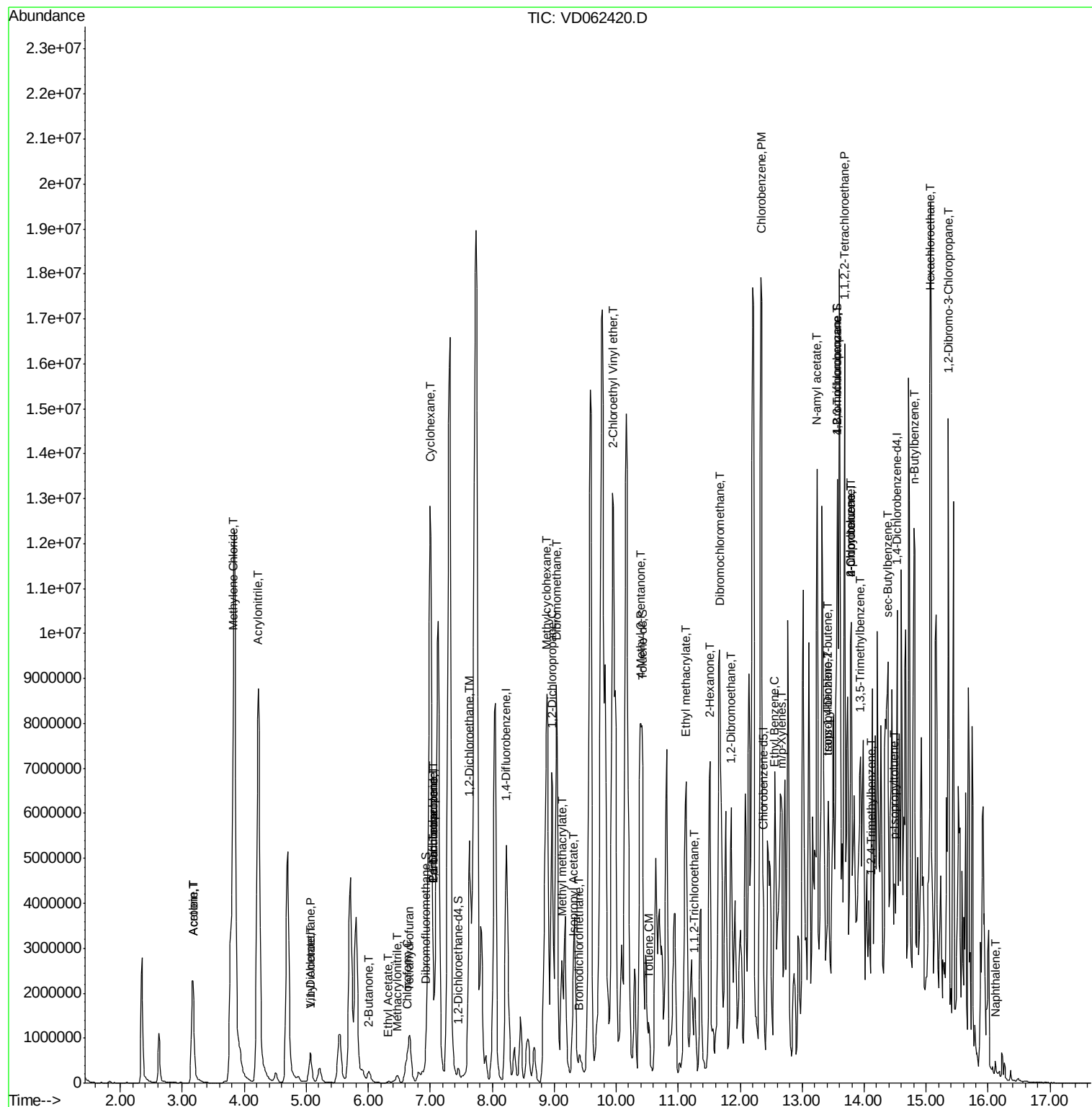
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	13.68	83	179625	50.162	ug/l #	71
76) 1,2,3-Trichloropropane	13.57	75	90654	24.174	ug/l	85
78) n-propylbenzene	13.79	91	5183704	229.737	ug/l	98
79) 2-Chlorotoluene	13.79	91	5183704	401.135	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.95	105	96478	6.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.42	75	14854	14.031	ug/l #	1
82) 4-Chlorotoluene	13.79	91	5115363	336.388	ug/l #	37
84) 1,2,4-Trimethylbenzene	14.10	105	188480	11.792	ug/l	71
85) sec-Butylbenzene	14.38	105	2391172	121.818	ug/l	96
86) p-Isopropyltoluene	14.50	119	244931	13.966	ug/l #	83
89) n-Butylbenzene	14.82	91	4885018	310.335	ug/l	96
90) Hexachloroethane	15.07	117	1565810	328.314	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	15.36	75	53318	90.707	ug/l #	1
95) Naphthalene	16.11	128	21453	2.650	ug/l #	1

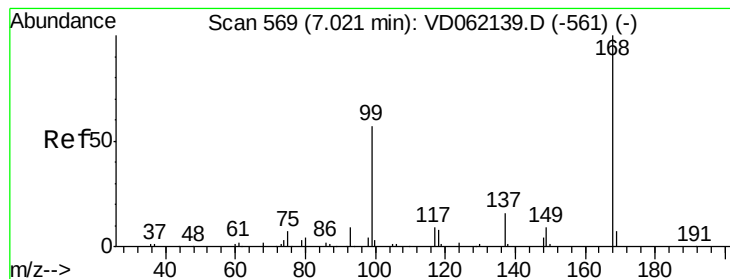
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

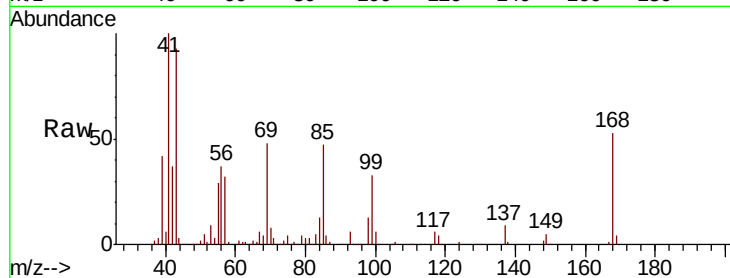
12-B2

Tot Ion:168 Resp: 510459

Ion Ratio Lower Upper

168 100

99 62.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

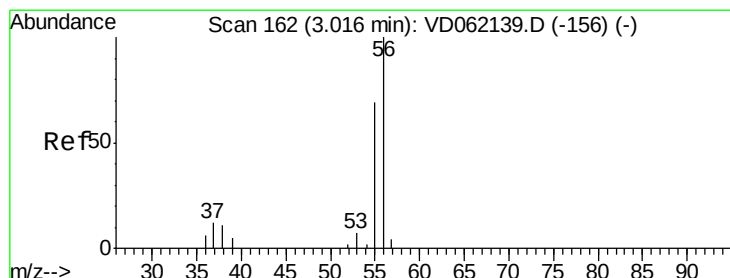
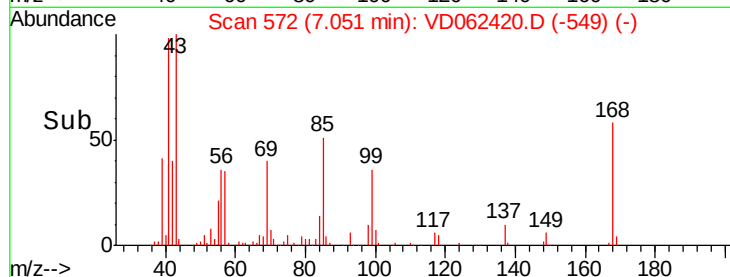
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1676.610 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.16 min

Lab File: VD062420.D

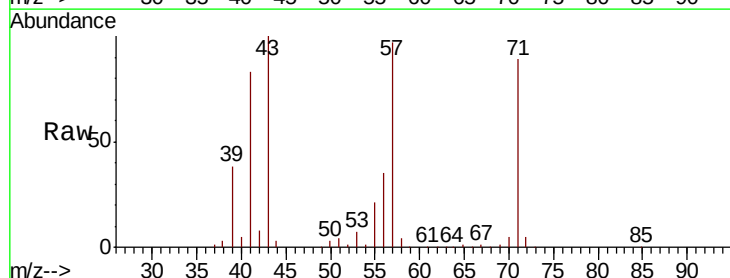
Acq: 16 May 2019 16:28

Tgt Ion: 56 Resp: 419907

Ion Ratio Lower Upper

56 100

55 59.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.17

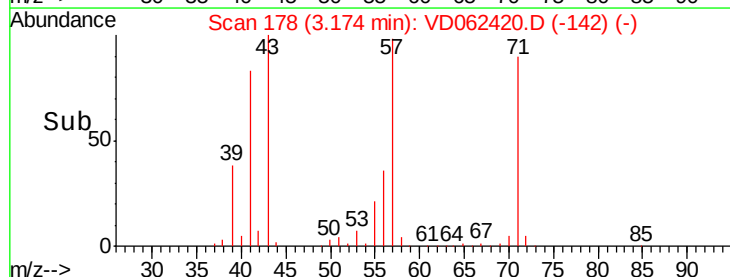
150000

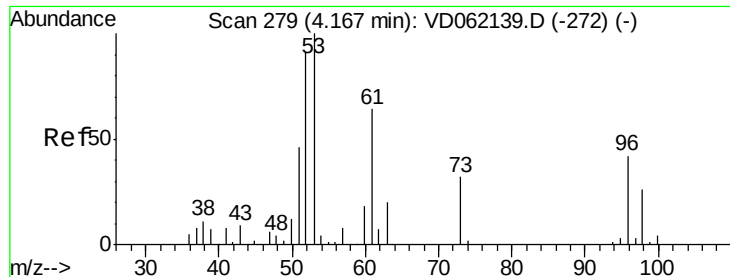
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 607.689 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.06 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

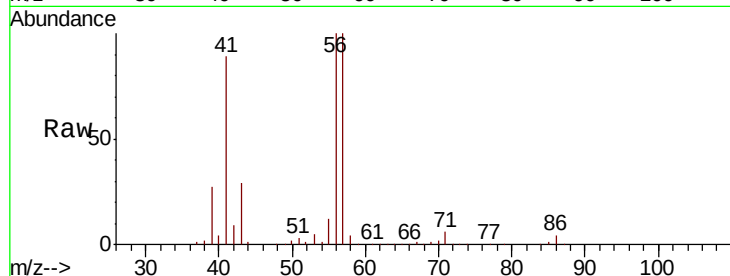
Tot Ion: 53 Resp: 386771

Ion Ratio Lower Upper

53 100

52 20.3 65.0 97.4#

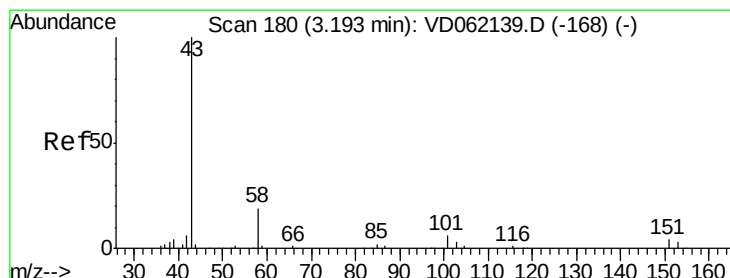
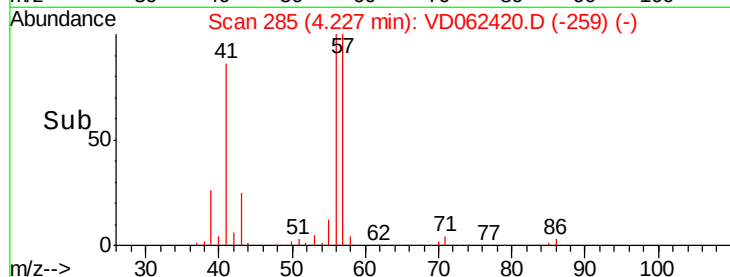
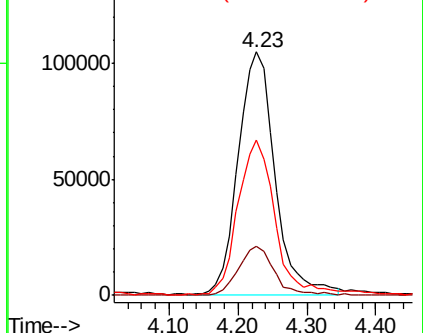
51 63.8 32.6 48.8#



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: 1493.732 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD062420.D

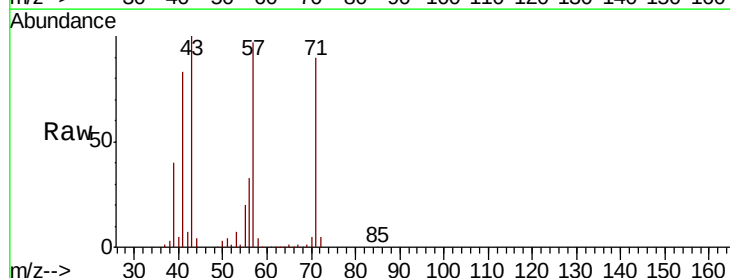
Acq: 16 May 2019 16:28

Tgt Ion: 43 Resp: 1485990

Ion Ratio Lower Upper

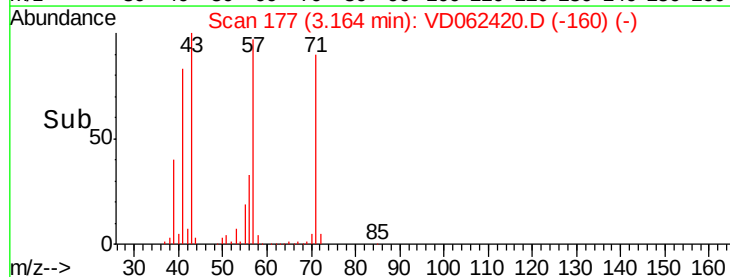
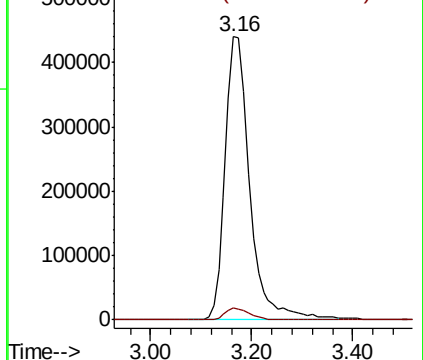
43 100

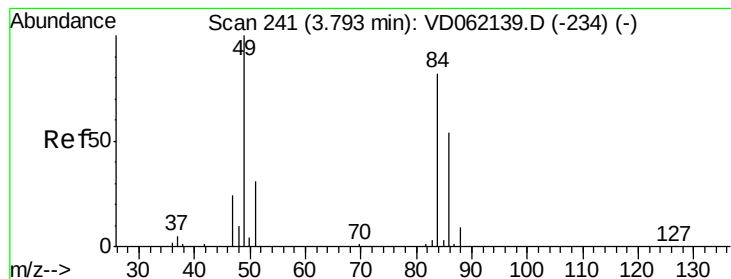
58 4.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 8.062 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

Tot Ion: 84 Resp: 33487

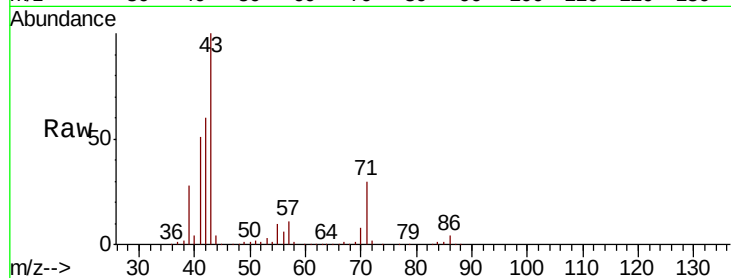
Ion Ratio Lower Upper

84 100

49 132.1 94.0 141.0

51 340.1 29.0 43.4#

86 569.7 49.8 74.6#

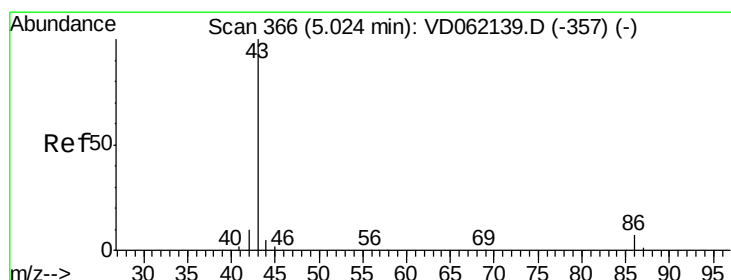
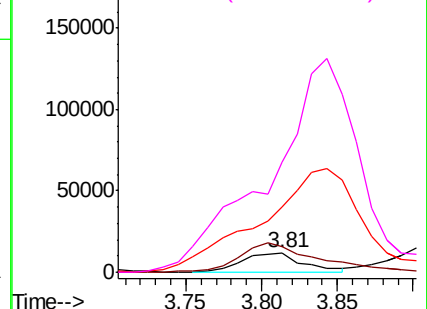
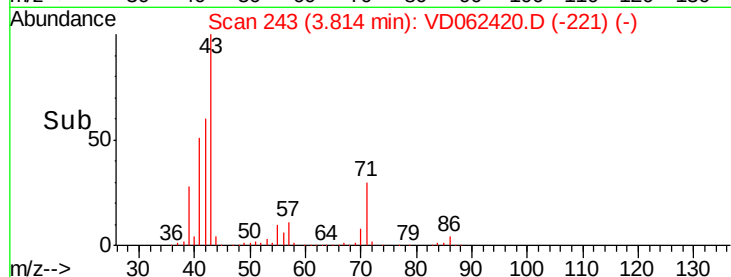


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#23

Vinyl Acetate

Concen: 4.103 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD062420.D

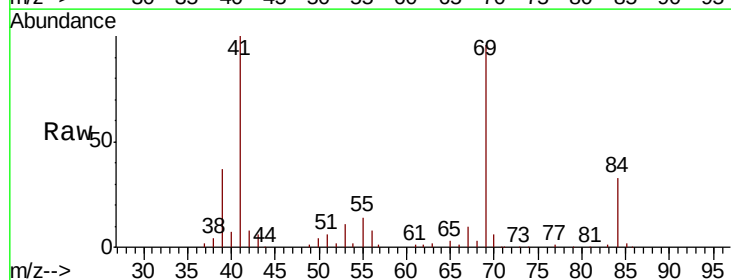
Acq: 16 May 2019 16:28

Tgt Ion: 43 Resp: 26070

Ion Ratio Lower Upper

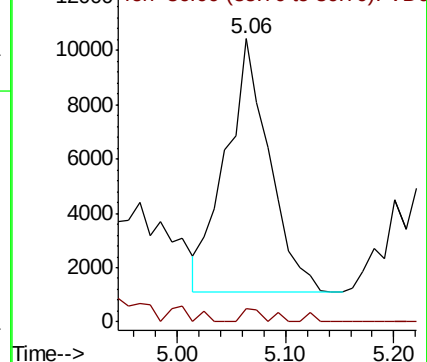
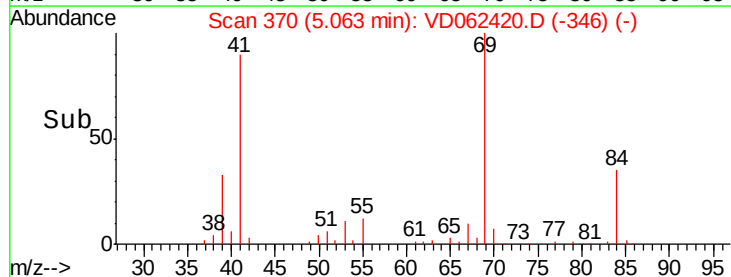
43 100

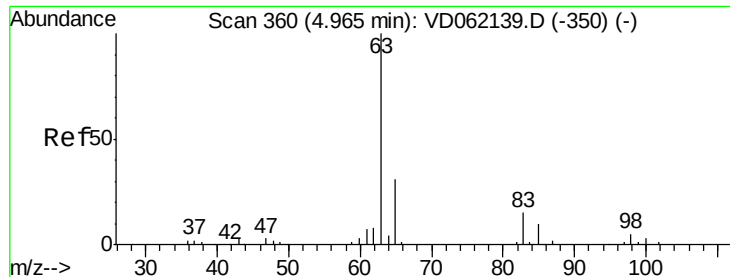
86 4.6 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 1.524 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.10 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

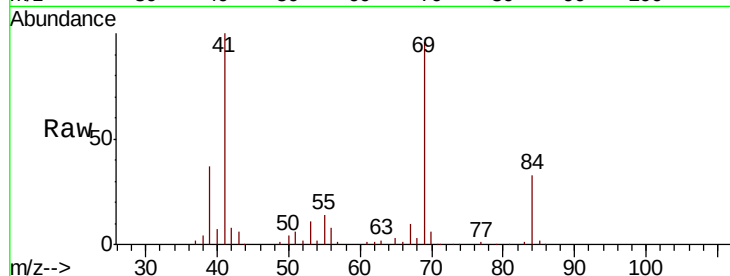
Tot Ion: 63 Resp: 11071

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

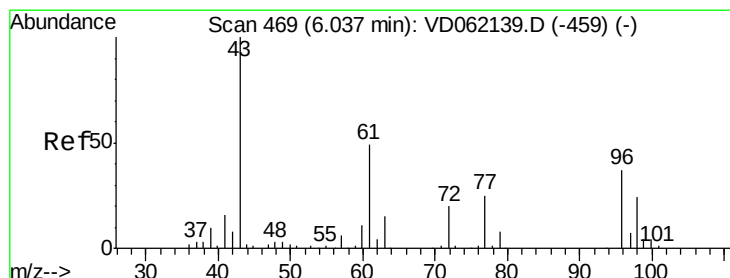
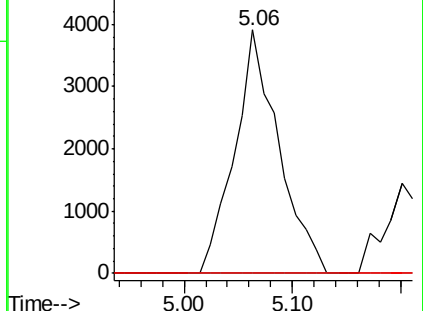
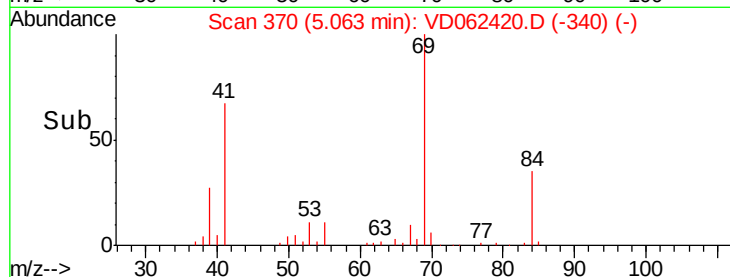
100 0.0 1.8 5.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 142.253 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD062420.D

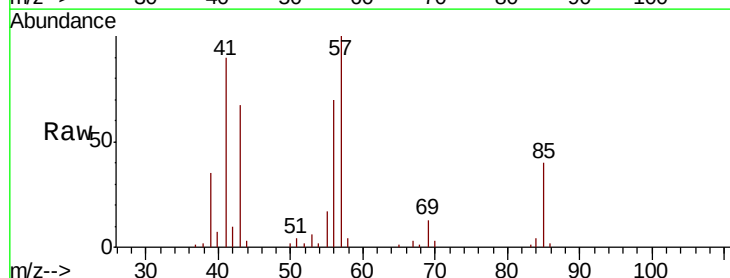
Acq: 16 May 2019 16:28

Tgt Ion: 43 Resp: 154360

Ion Ratio Lower Upper

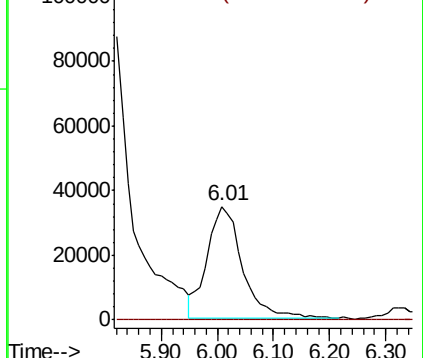
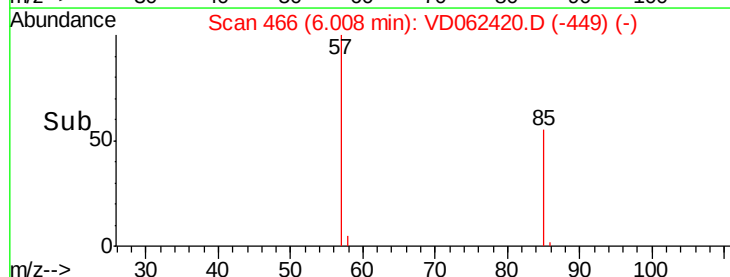
43 100

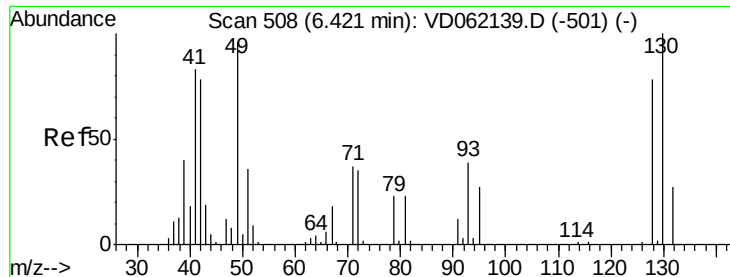
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 144.148 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.25 min

Lab File: VD062420.D

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12-B2

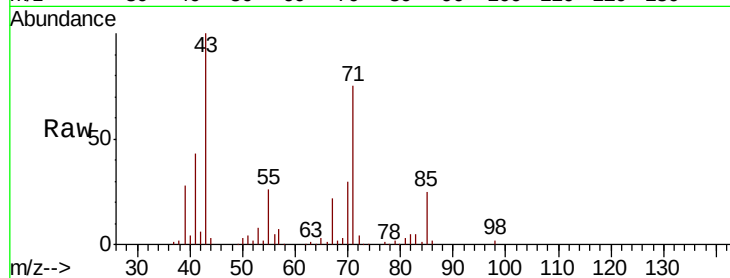
Tot Ion: 42 Resp: 72070

Ion Ratio Lower Upper

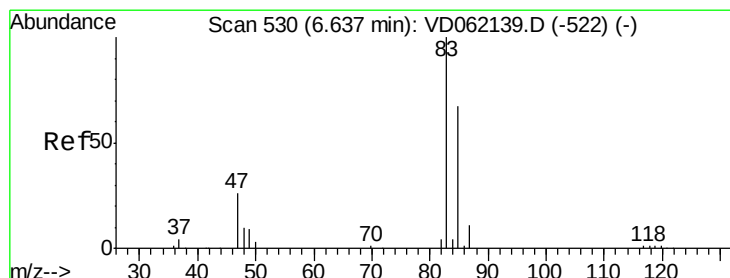
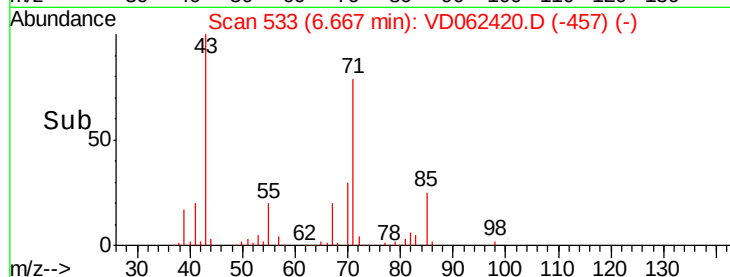
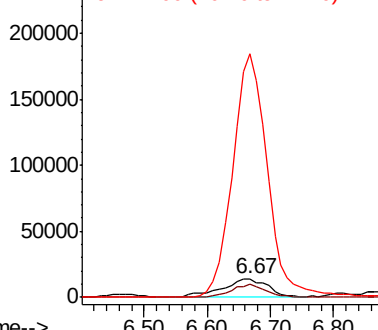
42 100

72 50.0 37.8 56.6

71 977.5 36.7 55.1#



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



#30

Chloroform

Concen: 30.999 ug/l

RT: 6.62 min Scan# 528

Delta R.T. -0.02 min

Lab File: VD062420.D

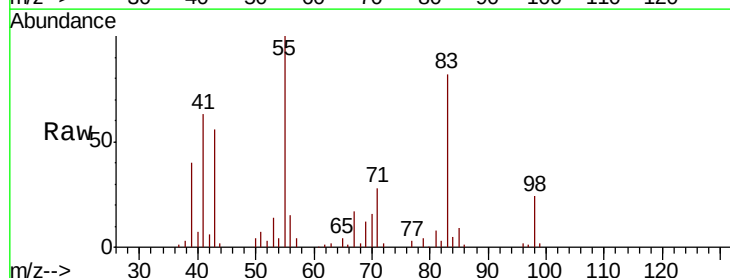
Acq: 16 May 2019 16:28

Tgt Ion: 83 Resp: 271412

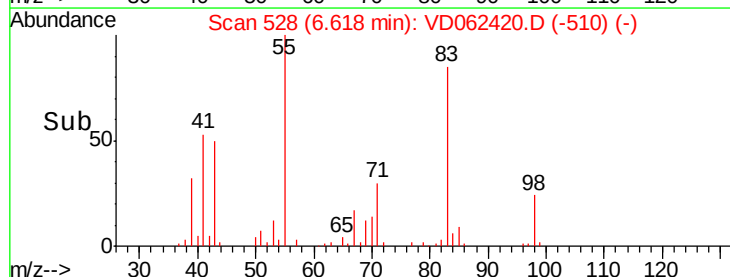
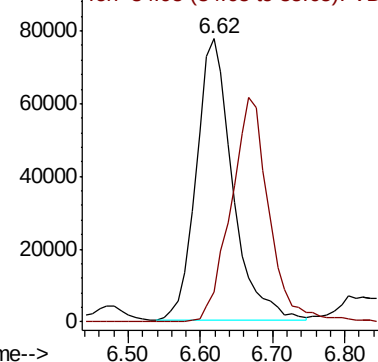
Ion Ratio Lower Upper

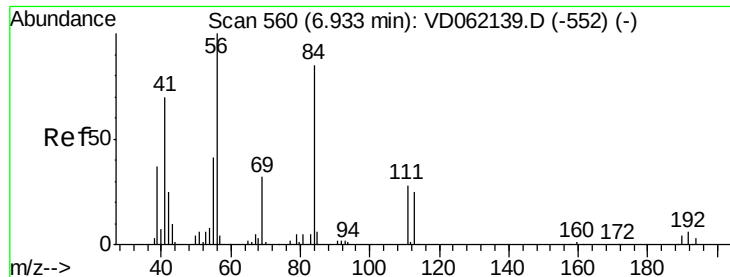
83 100

85 10.4 51.7 77.5#



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

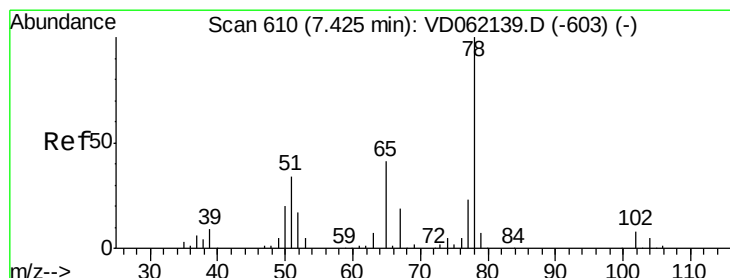
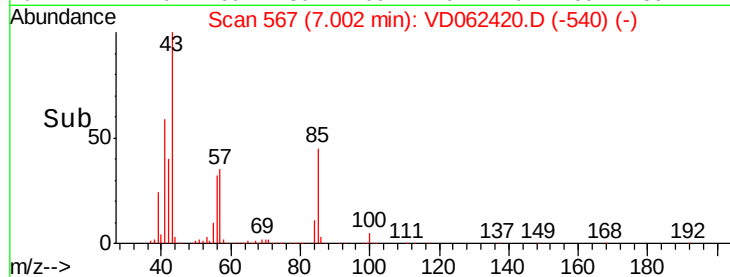
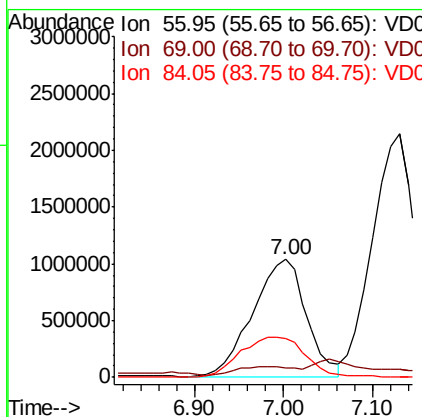
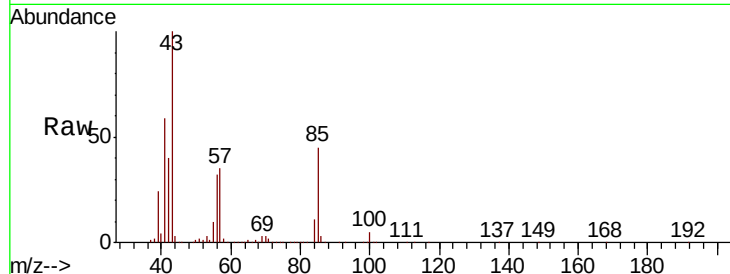




#31
Cyclohexane
Concen: 862.170 ug/l
RT: 7.00 min Scan# 567
Delta R.T. 0.07 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

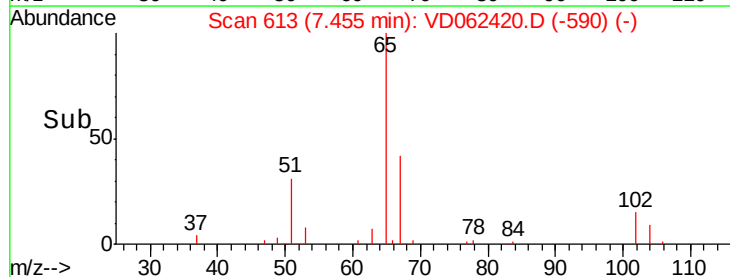
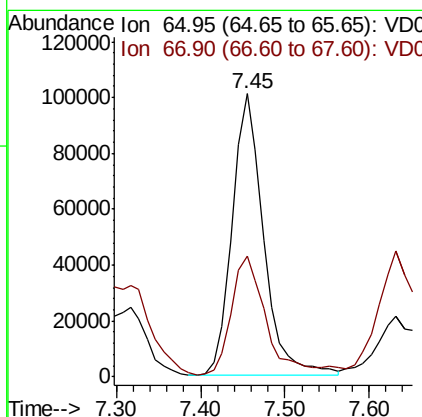
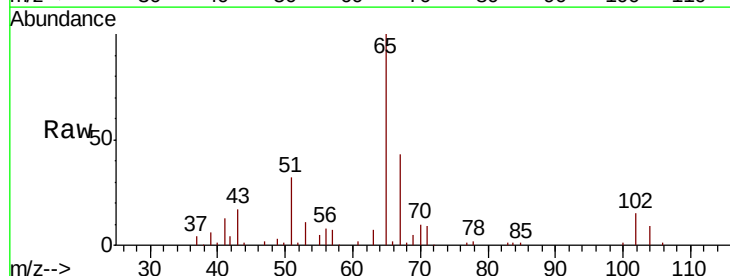
Instrument :
MSVOA_D
ClientSampled :
12-B2

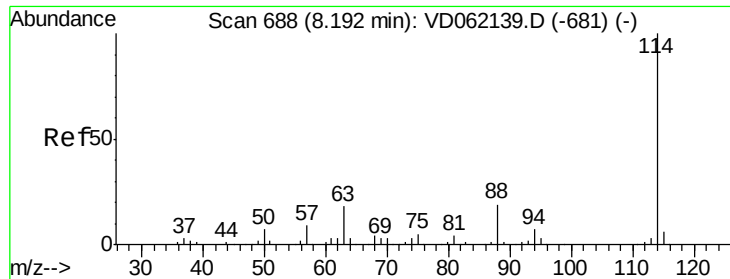
Tot Ion: 56 Resp: 4291187
Ion Ratio Lower Upper
56 100
69 7.9 25.8 38.6#
84 33.3 72.2 108.4#



#33
1,2-Dichloroethane-d4
Concen: 55.136 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion: 65 Resp: 261554
Ion Ratio Lower Upper
65 100
67 42.8 0.0 98.0

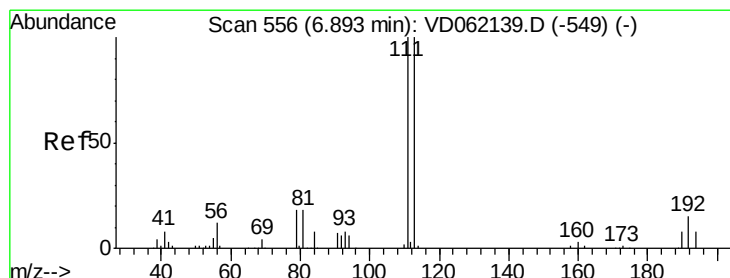
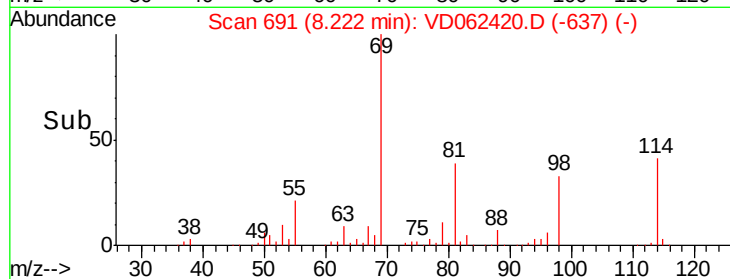
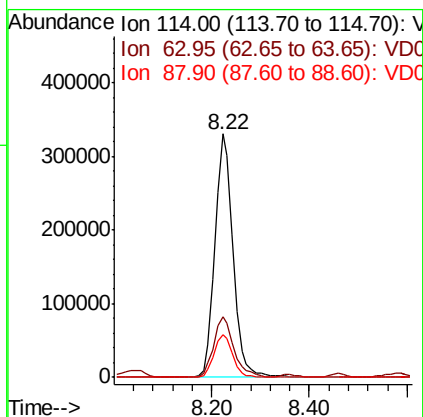
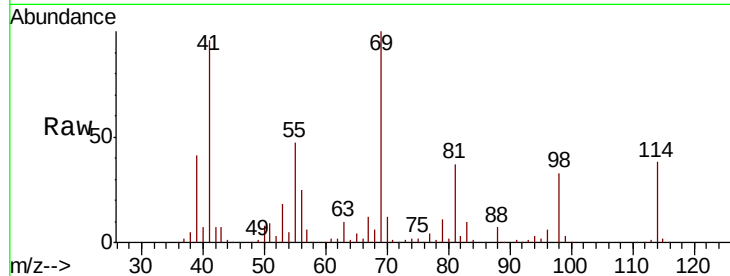




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

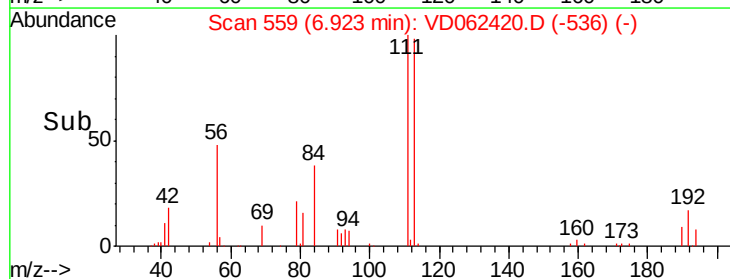
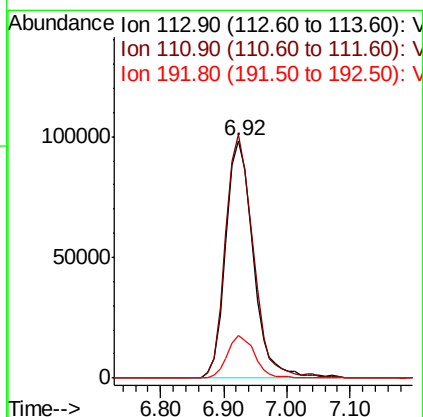
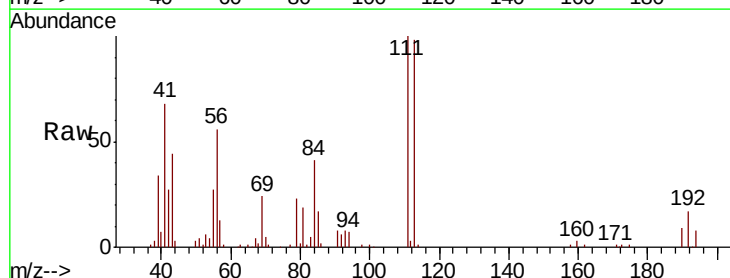
Instrument :
 MSVOA_D
 ClientSampleId :
 12-B2

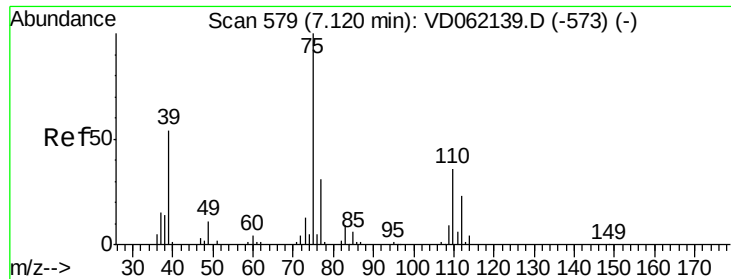
Tot Ion:114 Resp: 854953
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 32.4
 88 17.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 42.037 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

Tgt Ion:113 Resp: 298196
 Ion Ratio Lower Upper
 113 100
 111 102.4 78.5 117.7
 192 17.9 13.0 19.4

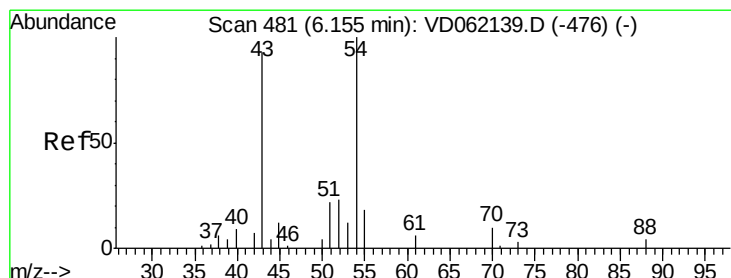
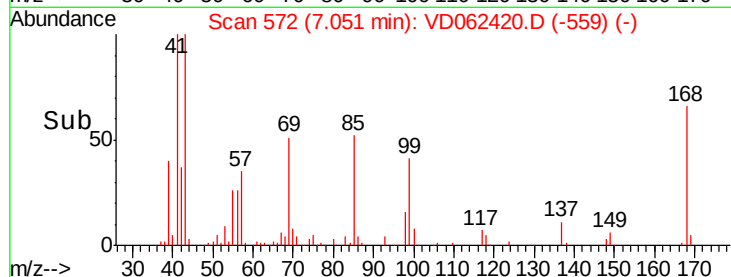
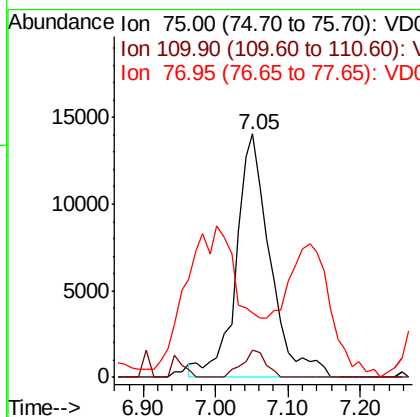
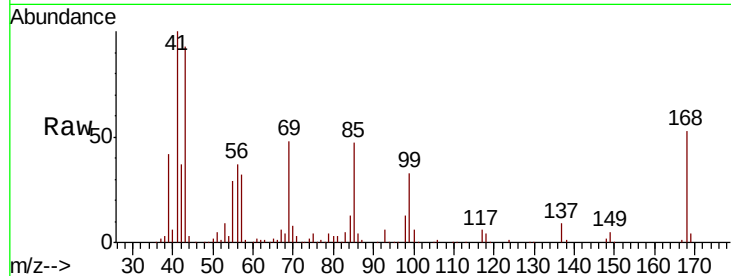




#36
 1,1-Dichloropropene
 Concen: 6.565 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

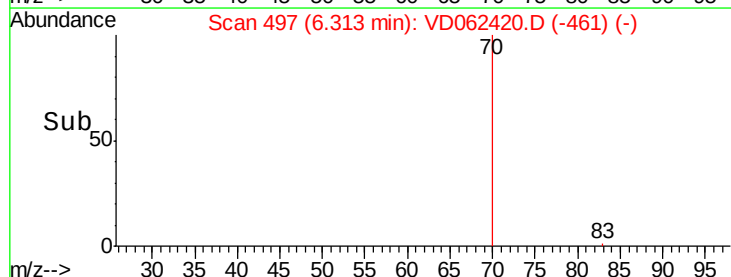
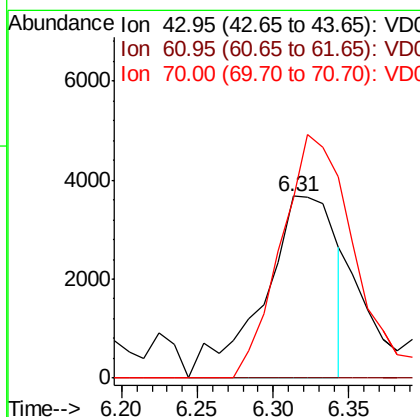
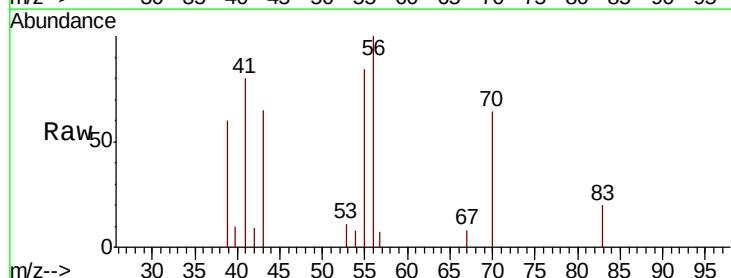
Instrument :
 MSVOA_D
 ClientSampleId :
 12-B2

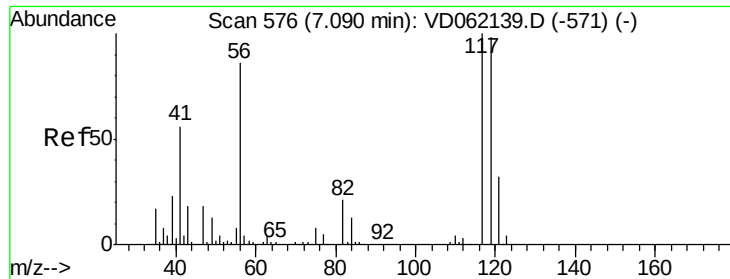
Tot Ion: 75 Resp: 46022
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.1 57.1#
 77 26.6 25.6 38.4



#37
 Ethyl Acetate
 Concen: 4.066 ug/l
 RT: 6.31 min Scan# 497
 Delta R.T. 0.16 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

Tgt Ion: 43 Resp: 12086
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.7 22.1#
 70 98.9 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 5.469 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

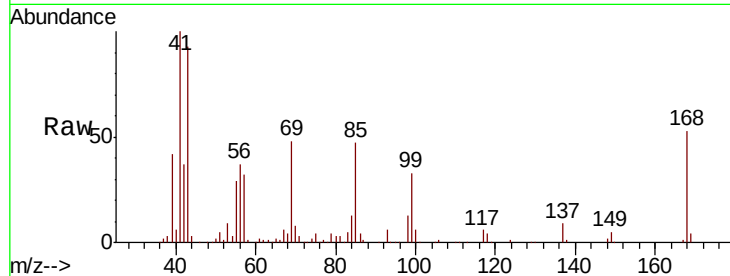
Tot Ion:117 Resp: 53066

Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

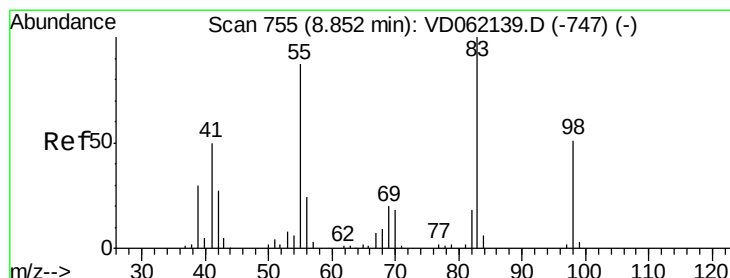
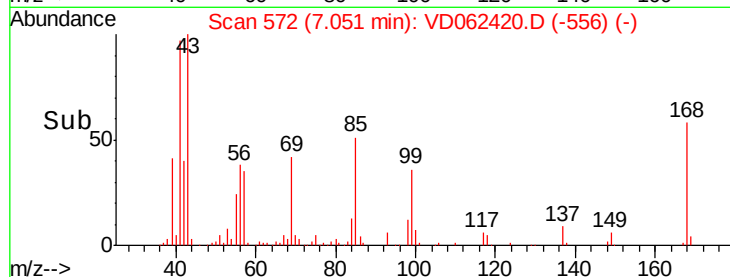
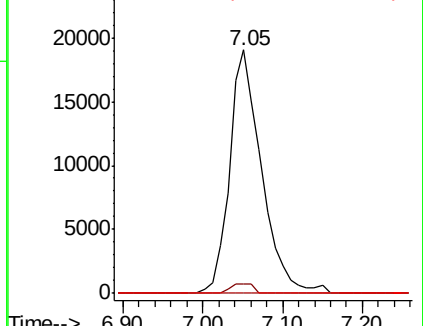
121 0.0 25.9 38.9#



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

Methylcyclohexane

Concen: 714.014 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

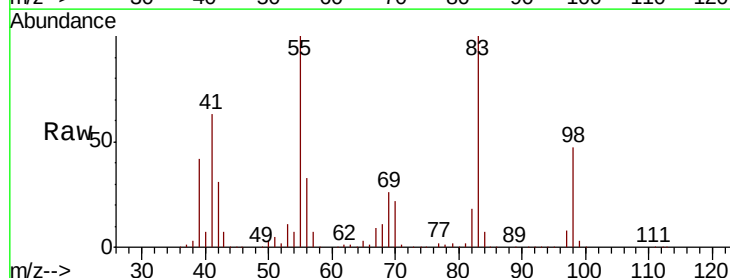
Tgt Ion: 83 Resp: 4795497

Ion Ratio Lower Upper

83 100

55 100.3 68.2 102.4

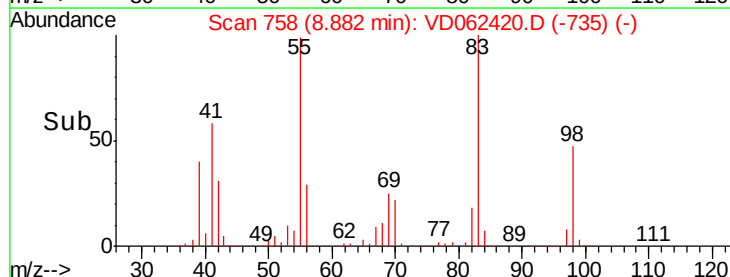
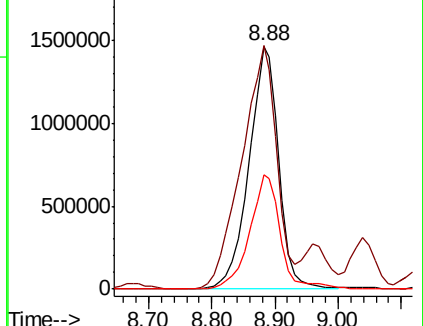
98 47.0 38.2 57.4

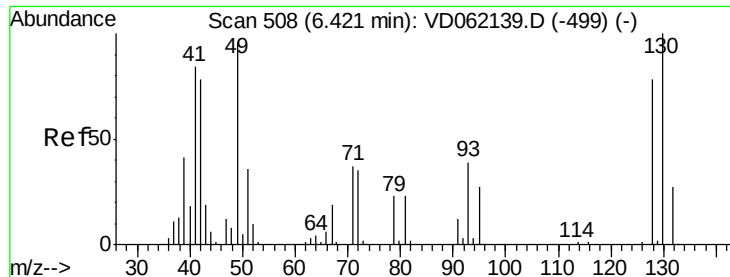


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

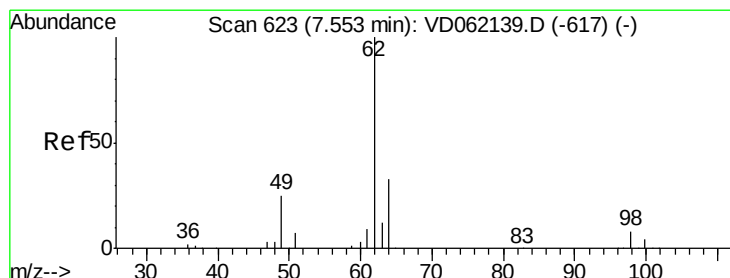
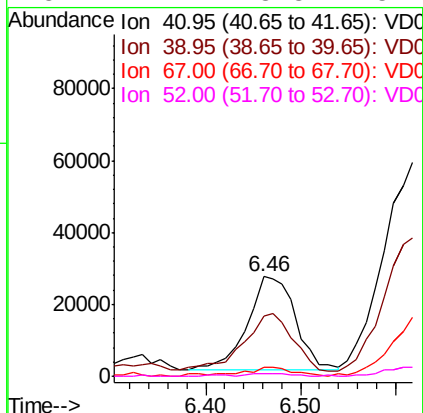
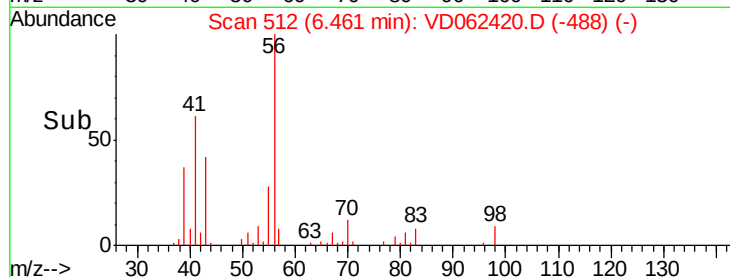
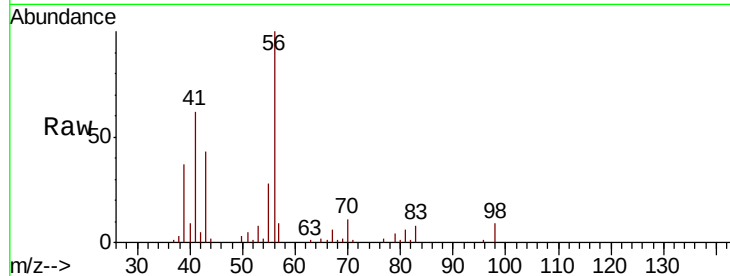




#41
Methacrylonitrile
Concen: 25.235 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

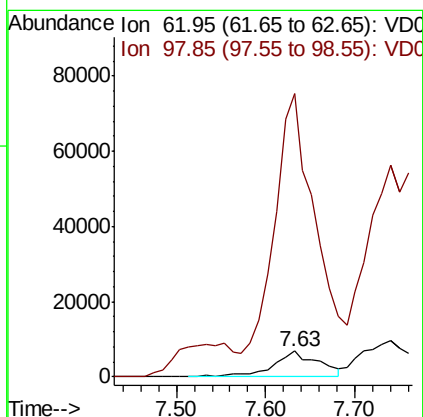
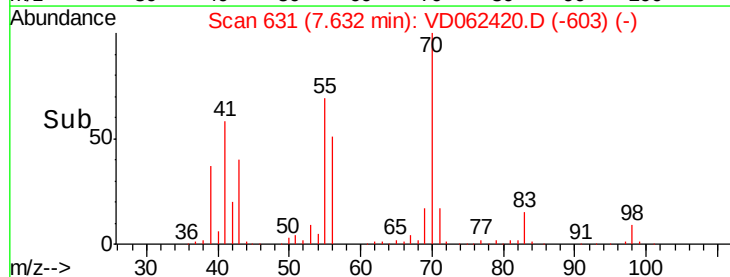
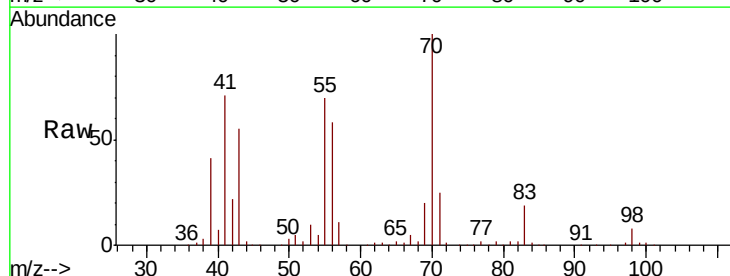
Instrument :
MSVOA_D
ClientSampleId :
12-B2

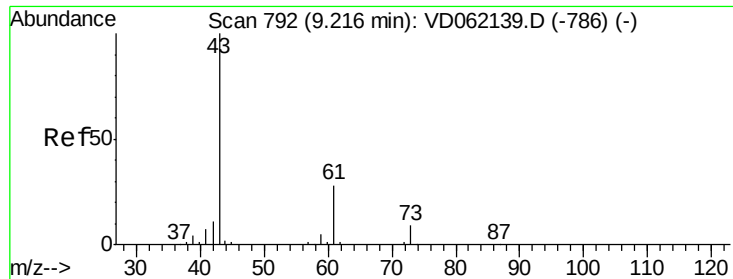
Tot Ion: 41 Resp: 91676
Ion Ratio Lower Upper
41 100
39 60.3 34.1 51.1#
67 9.0 23.8 35.6#
52 2.2 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 3.590 ug/l
RT: 7.63 min Scan# 631
Delta R.T. 0.08 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion: 62 Resp: 24073
Ion Ratio Lower Upper
62 100
98 1110.0 0.0 17.8#





#43

Isopropyl Acetate

Concen: 154.683 ug/l

RT: 9.29 min Scan# 800

Delta R.T. 0.08 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

12-B2

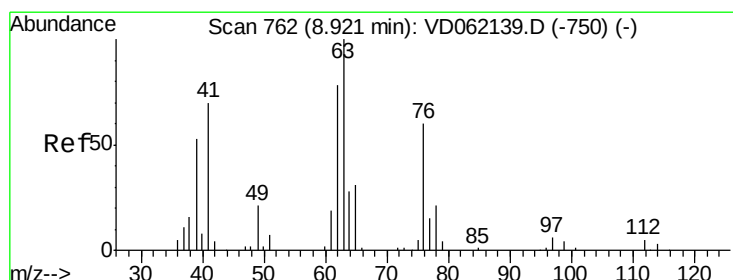
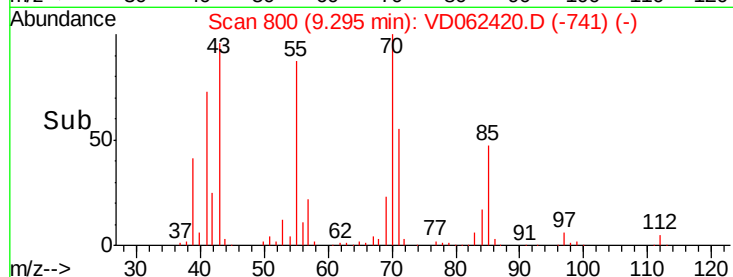
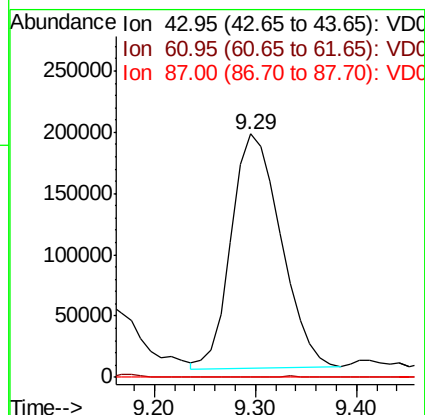
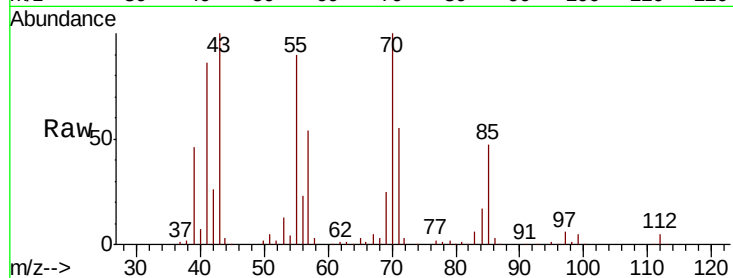
Tot Ion: 43 Resp: 652152

Ion Ratio Lower Upper

43 100

61 0.2 25.1 37.7#

87 0.2 0.0 0.0#



#45

1,2-Dichloropropane

Concen: 4.456 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD062420.D

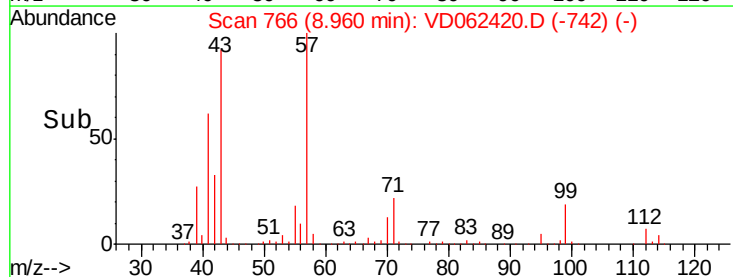
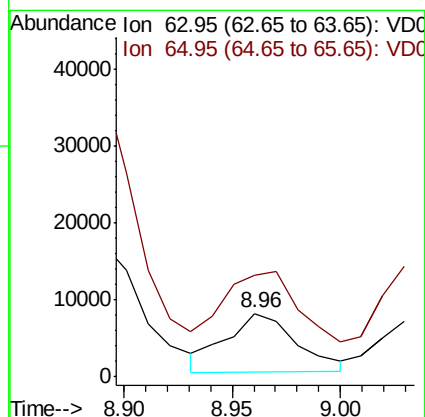
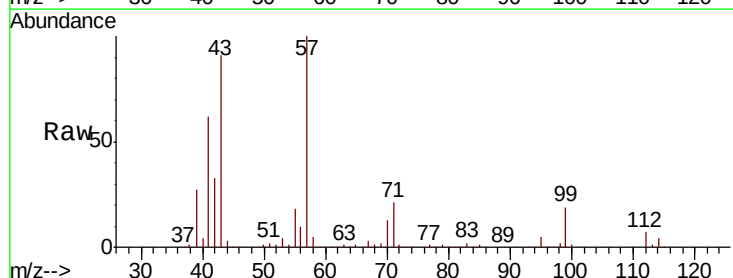
Acq: 16 May 2019 16:28

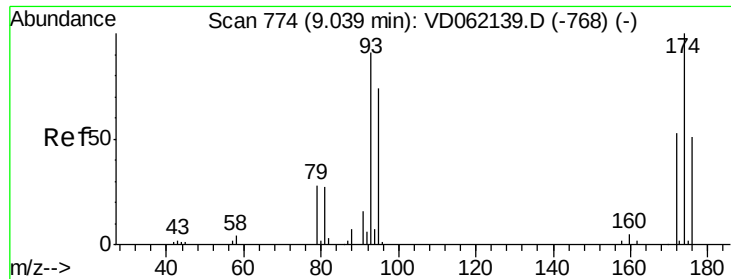
Tgt Ion: 63 Resp: 17446

Ion Ratio Lower Upper

63 100

65 161.4 23.8 35.6#

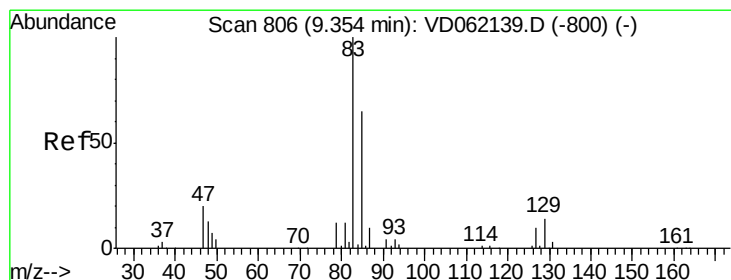
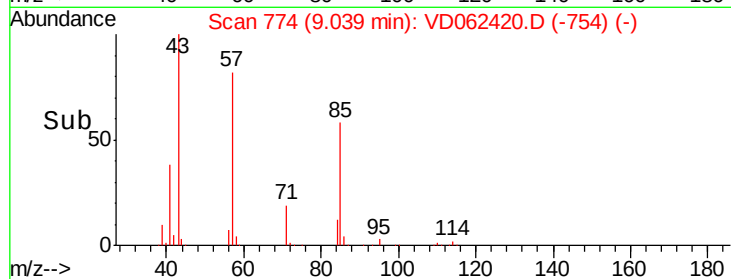
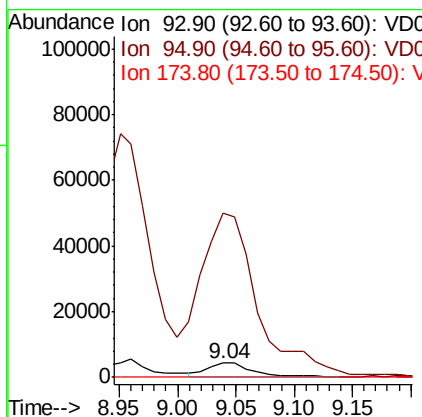
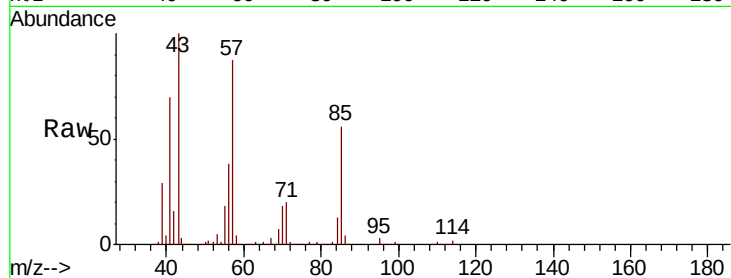




#46
 Dibromomethane
 Concen: 3.835 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

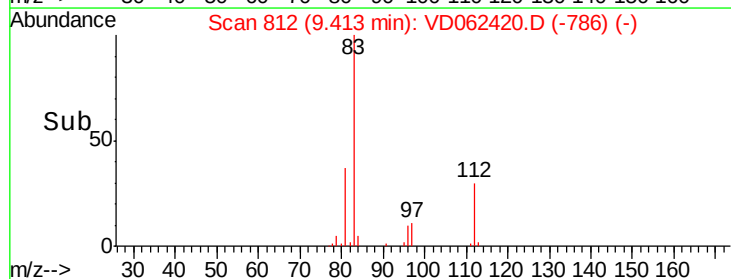
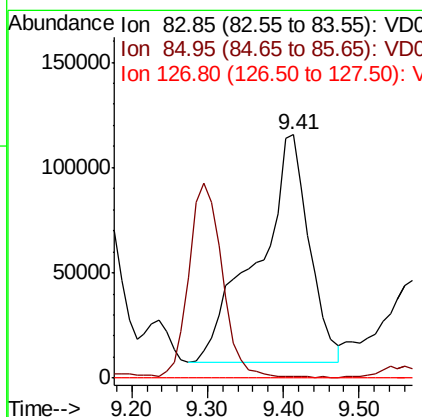
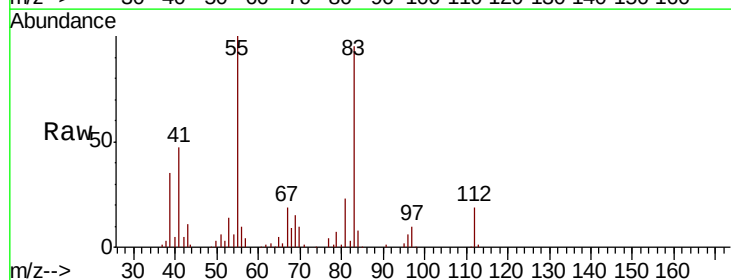
Instrument :
 MSVOA_D
 ClientSampled :
 12-B2

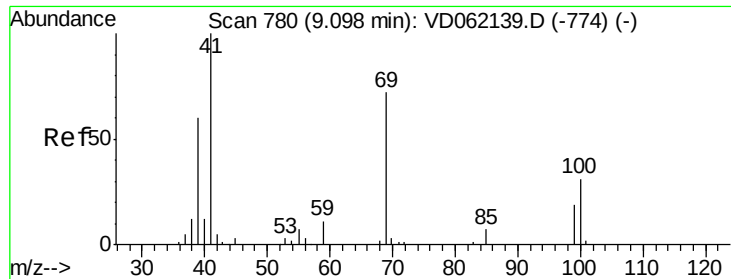
Tot Ion: 93 Resp: 12211
 Ion Ratio Lower Upper
 93 100
 95 1153.9 64.8 97.2#
 174 0.0 79.3 118.9#



#47
 Bromodichloromethane
 Concen: 65.602 ug/l
 RT: 9.41 min Scan# 812
 Delta R.T. 0.06 min
 Lab File: VD062420.D
 Acq: 16 May 2019 16:28

Tgt Ion: 83 Resp: 510897
 Ion Ratio Lower Upper
 83 100
 85 0.4 50.9 76.3#
 127 0.0 8.1 12.1#

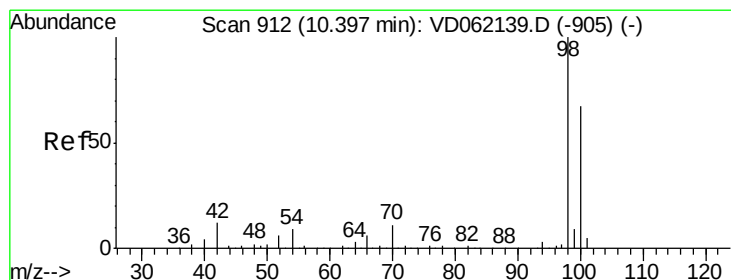
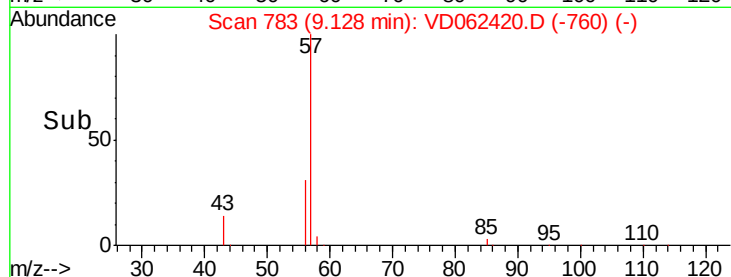
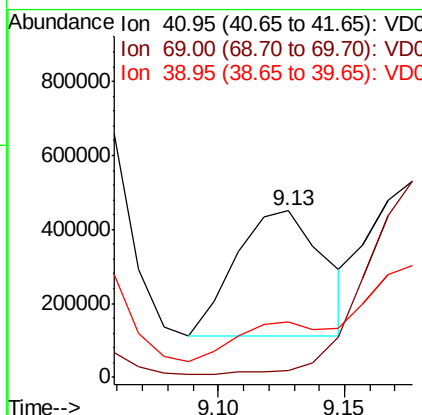
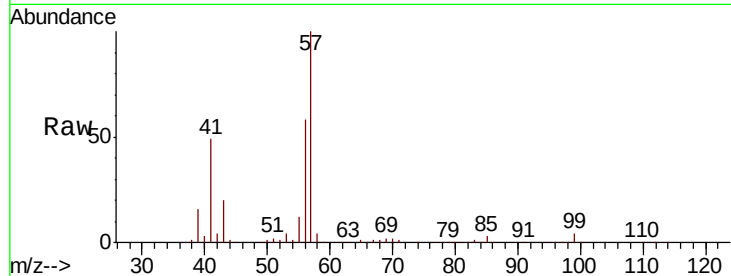




#48
Methyl methacrylate
Concen: 319.719 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.03 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

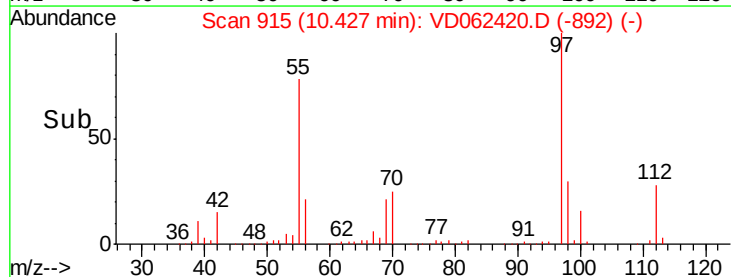
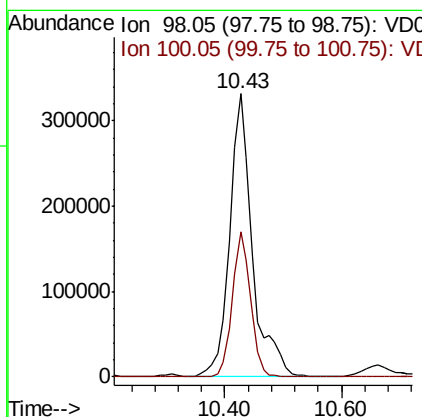
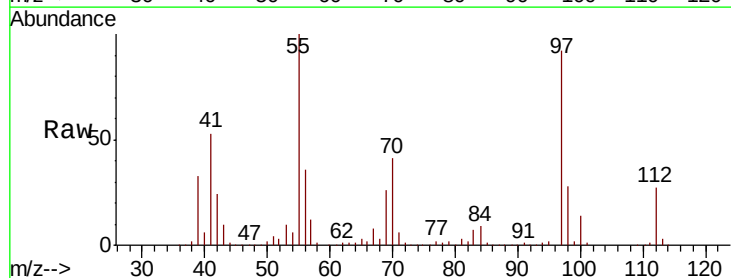
Instrument :
MSVOA_D
ClientSampled :
12-B2

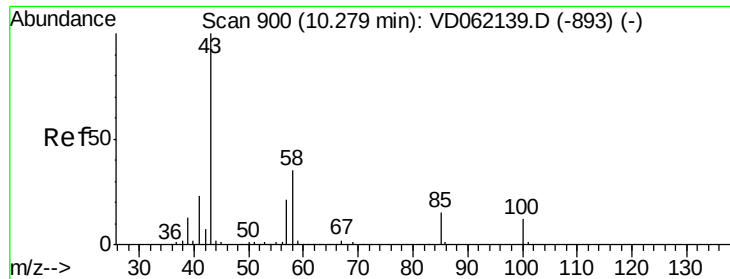
Tot Ion: 41 Resp: 830281
Ion Ratio Lower Upper
41 100
69 4.4 64.2 96.2#
39 33.0 46.8 70.2#



#50
Toluene-d8
Concen: 52.327 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion: 98 Resp: 894969
Ion Ratio Lower Upper
98 100
100 51.5 53.8 80.8#





#51

4-Methyl-2-Pentanone

Concen: 476.342 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.11 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

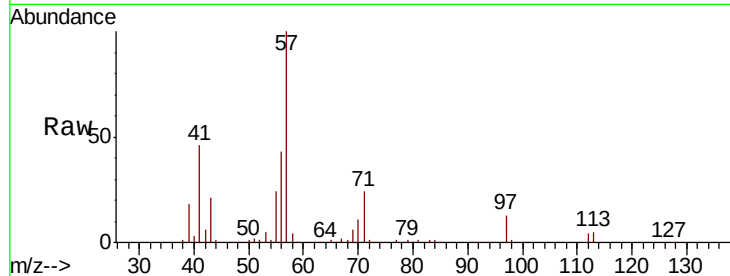
12-B2

Tot Ion: 43 Resp: 1290937

Ion Ratio Lower Upper

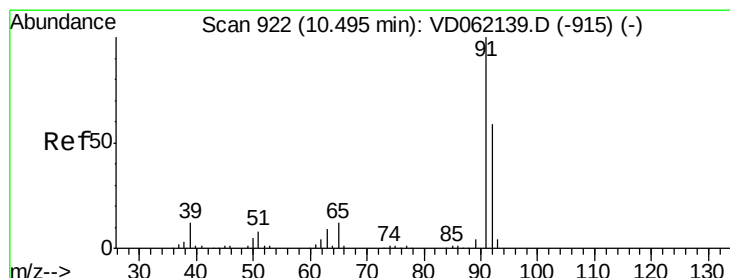
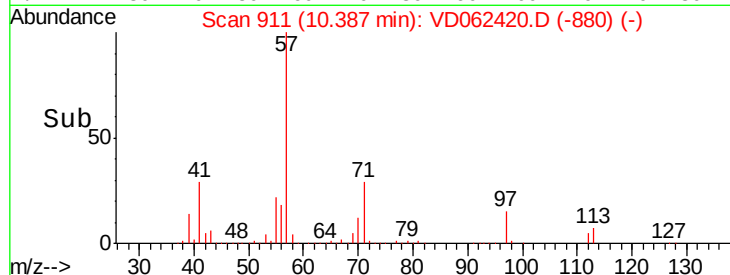
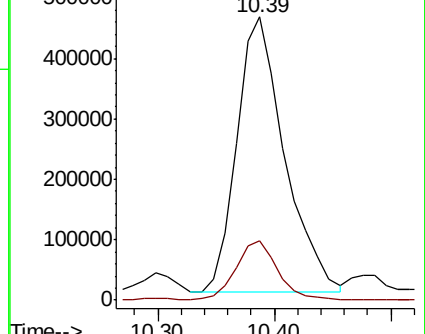
43 100

58 21.2 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.118 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062420.D

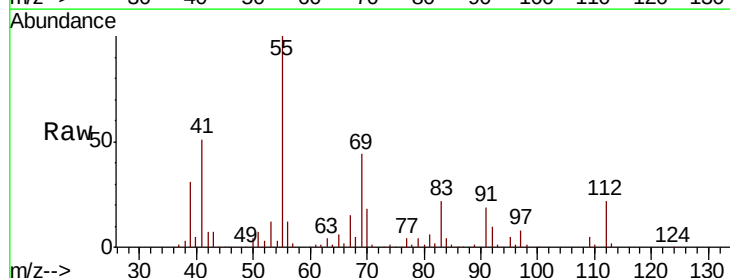
Acq: 16 May 2019 16:28

Tgt Ion: 92 Resp: 63013

Ion Ratio Lower Upper

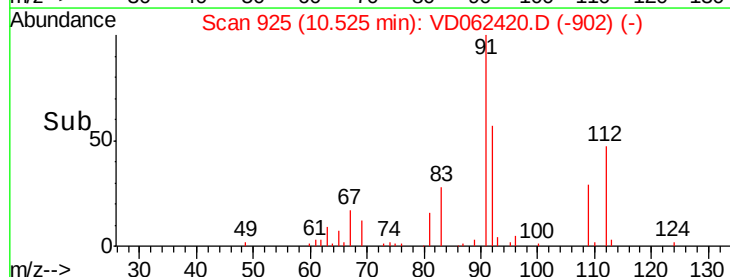
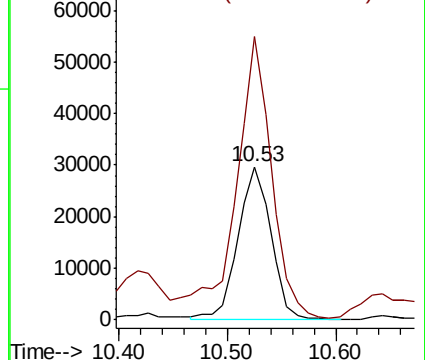
92 100

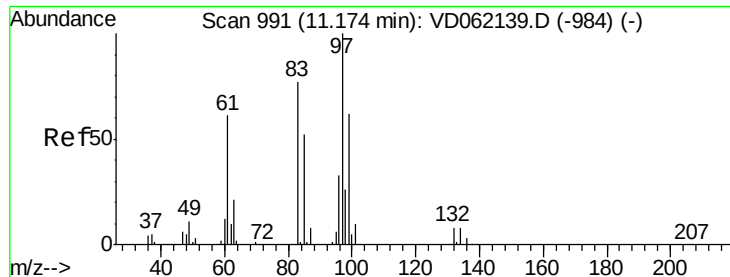
91 185.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

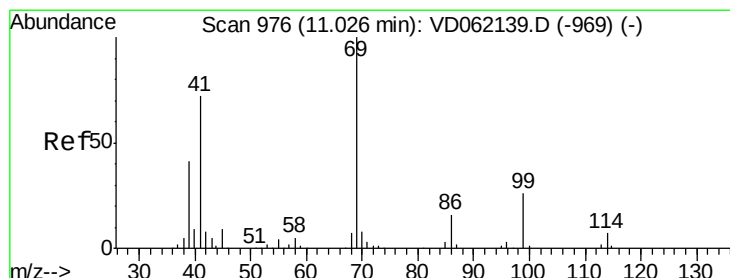
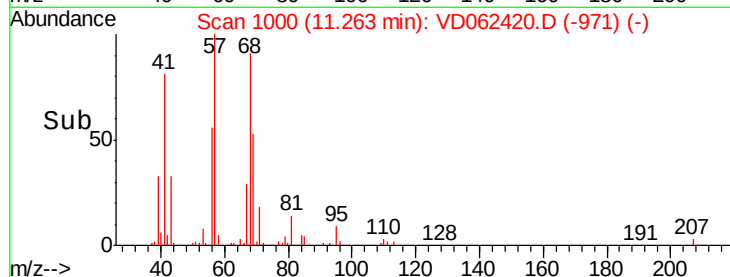
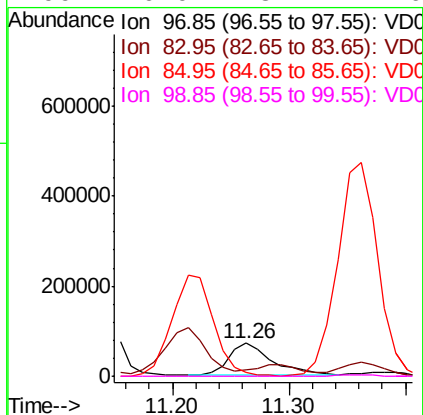
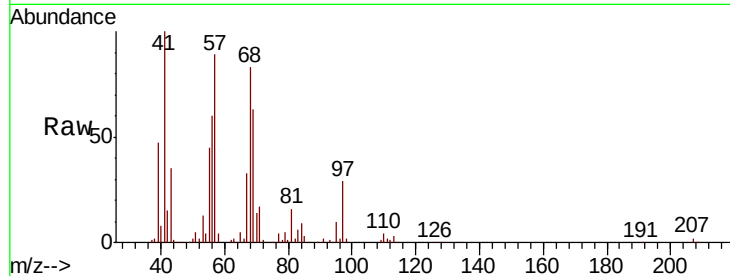




#55
1,1,2-Trichloroethane
Concen: 49.595 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.09 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

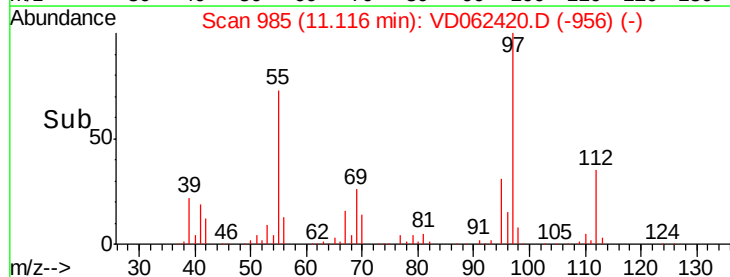
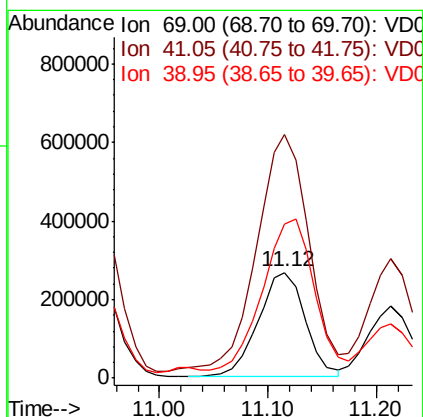
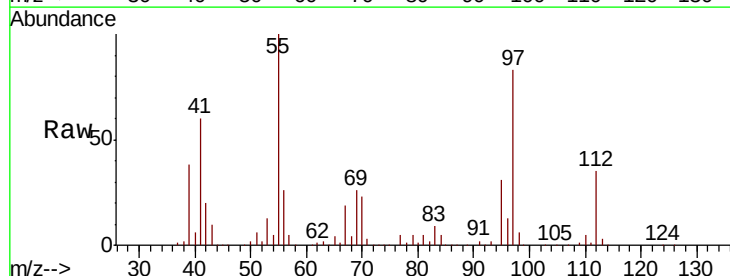
Instrument :
MSVOA_D
ClientSampleId :
12-B2

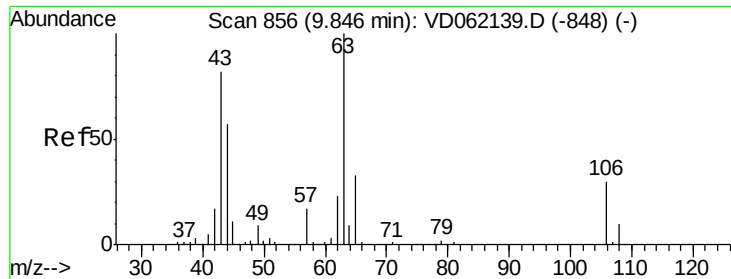
Tot Ion: 97 Resp: 180726
Ion Ratio Lower Upper
97 100
83 20.3 65.7 98.5#
85 11.7 45.6 68.4#
99 0.0 48.4 72.6#



#56
Ethyl methacrylate
Concen: 211.063 ug/l
RT: 11.12 min Scan# 985
Delta R.T. 0.09 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion: 69 Resp: 799227
Ion Ratio Lower Upper
69 100
41 230.4 56.3 84.5#
39 145.3 29.4 44.2#





#58

2-Chloroethyl Vinyl ether

Concen: 21.934 ug/l

RT: 9.94 min Scan# 866

Delta R.T. 0.10 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

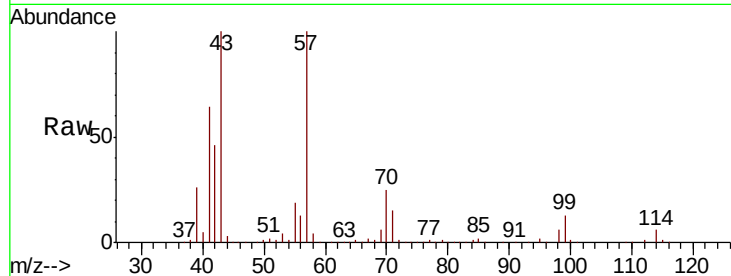
12-B2

Tot Ion: 63 Resp: 45368

Ion Ratio Lower Upper

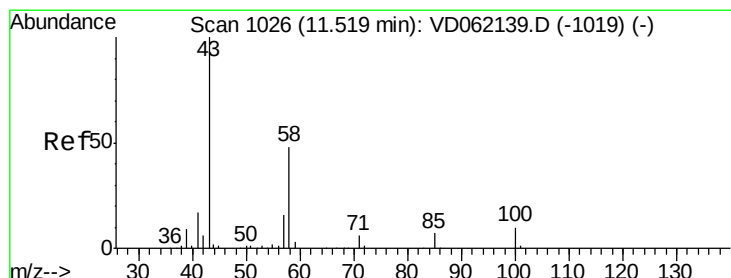
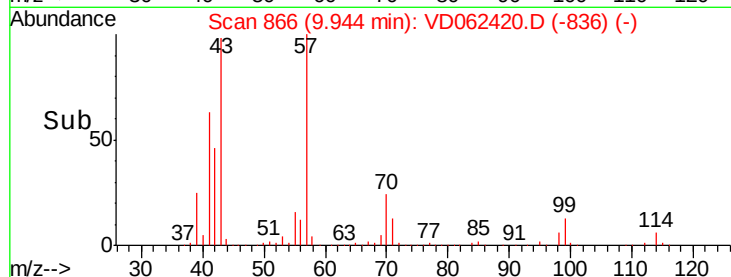
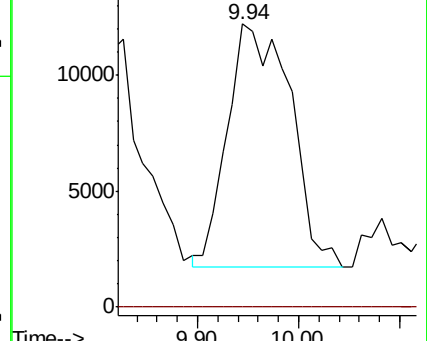
63 100

106 0.0 22.6 34.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#59

2-Hexanone

Concen: 1488.567 ug/l

RT: 11.51 min Scan# 1025

Delta R.T. -0.01 min

Lab File: VD062420.D

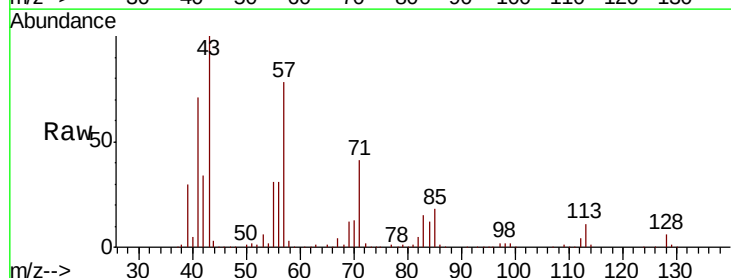
Acq: 16 May 2019 16:28

Tgt Ion: 43 Resp: 2973342

Ion Ratio Lower Upper

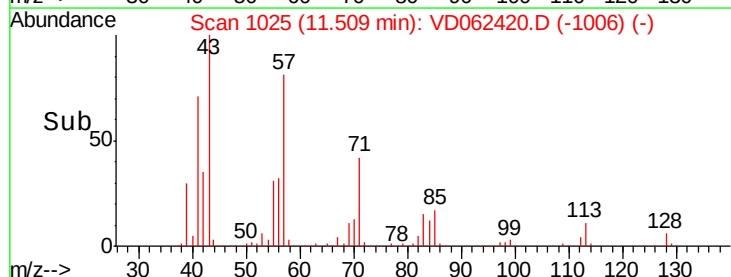
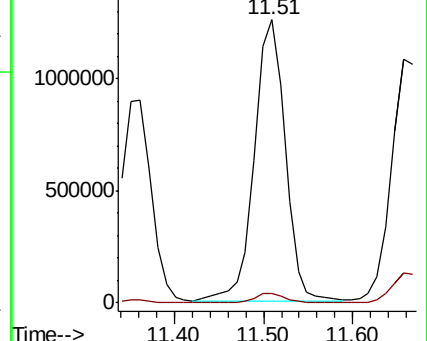
43 100

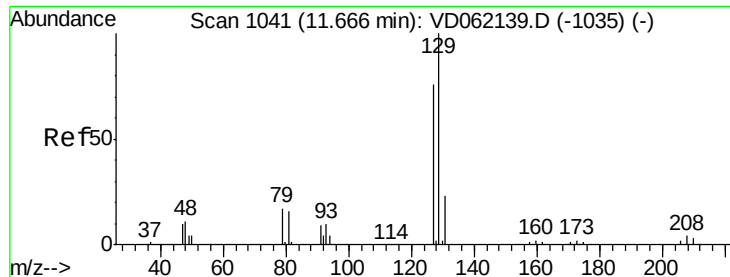
58 3.2 25.4 76.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#60

Dibromochloromethane

Concen: 2.243 ug/l

RT: 11.66 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

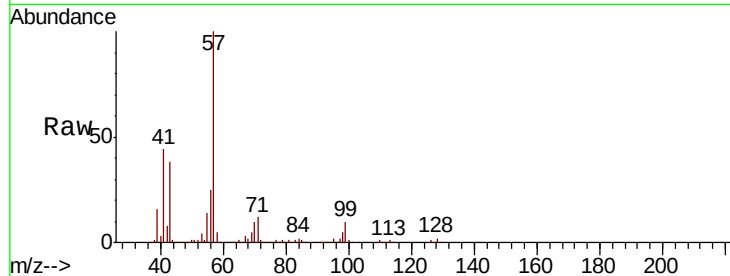
12-B2

Tot Ion:129 Resp: 14127

Ion Ratio Lower Upper

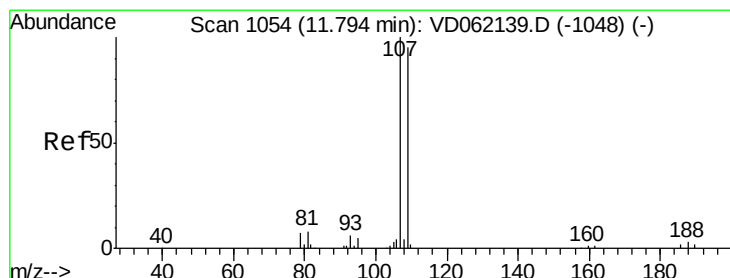
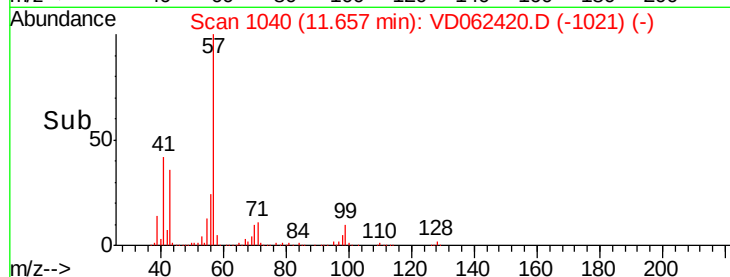
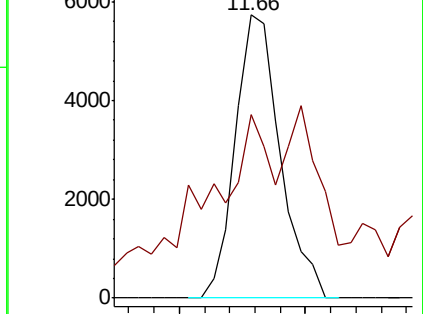
129 100

127 64.6 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.808 ug/l

RT: 11.84 min Scan# 1059

Delta R.T. 0.05 min

Lab File: VD062420.D

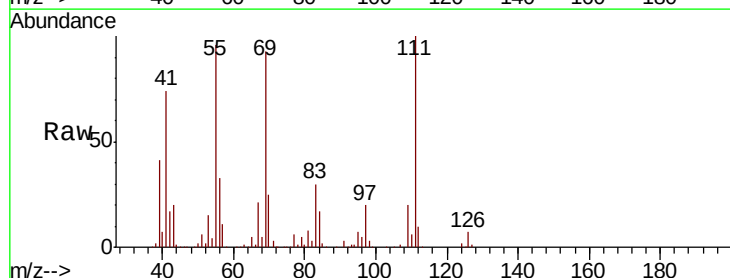
Acq: 16 May 2019 16:28

Tgt Ion:107 Resp: 8012

Ion Ratio Lower Upper

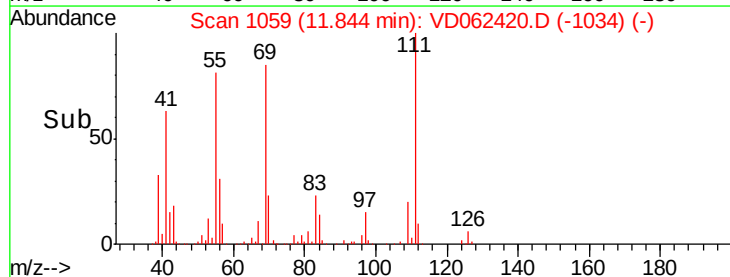
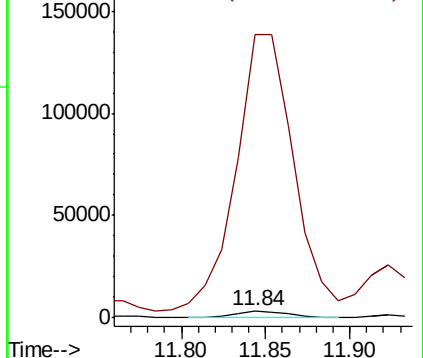
107 100

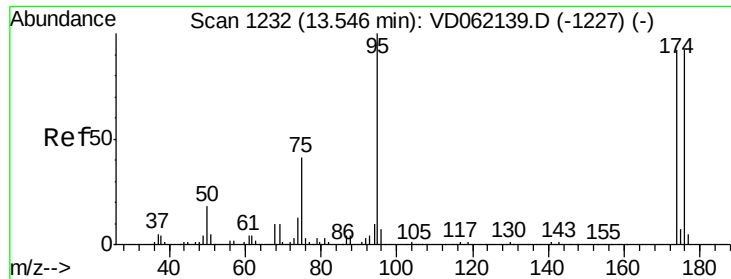
109 3910.2 78.3 117.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

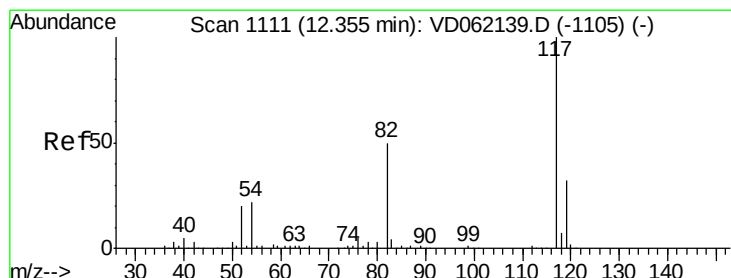
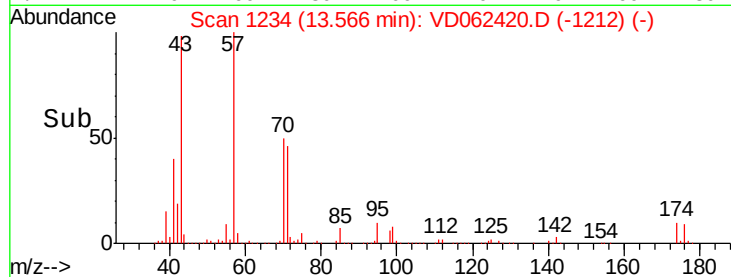
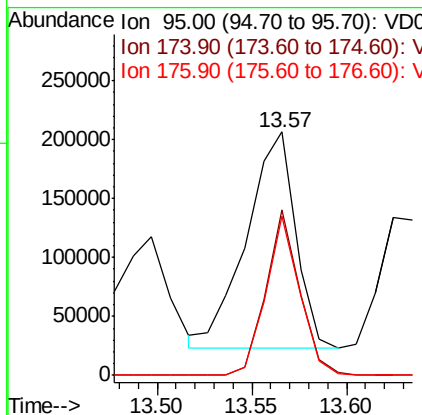
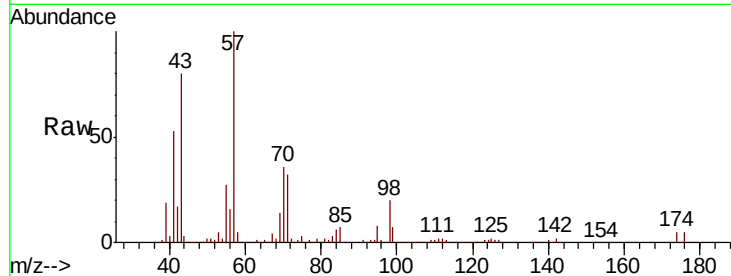




#62
4-Bromofluorobenzene
Concen: 48.114 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

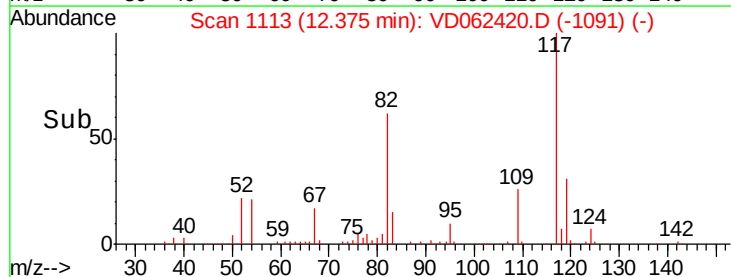
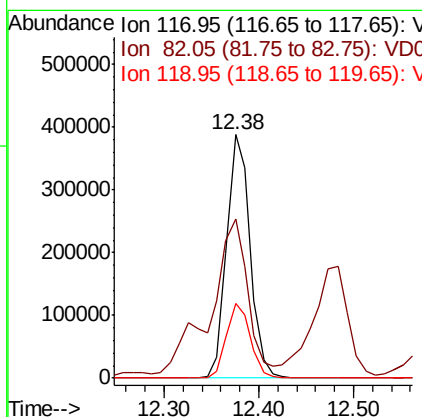
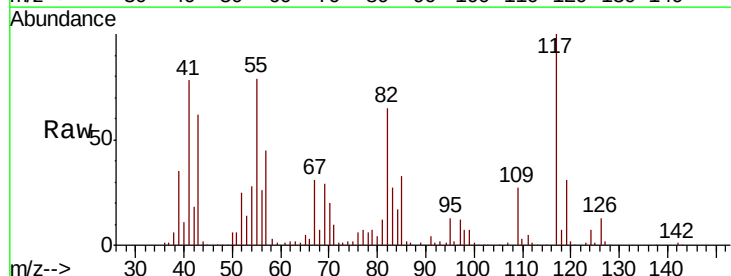
Instrument :
MSVOA_D
ClientSampleId :
12-B2

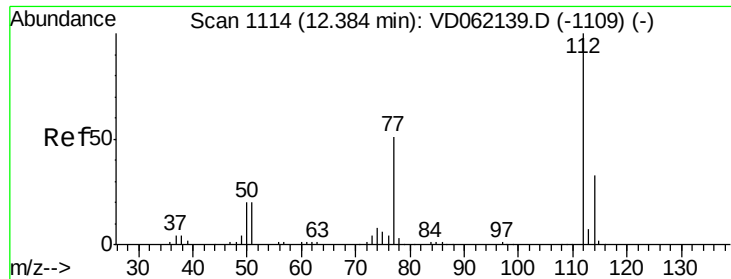
Tot Ion	95	Resp	330453
Ion Ratio	Lower	Upper	
95	100		
174	67.9	0.0	181.8
176	65.2	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion	117	Resp	662605
Ion Ratio	Lower	Upper	
117	100		
82	65.4	36.2	54.2#
119	30.6	26.2	39.4





#65

Chlorobenzene

Concen: 3.542 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.04 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

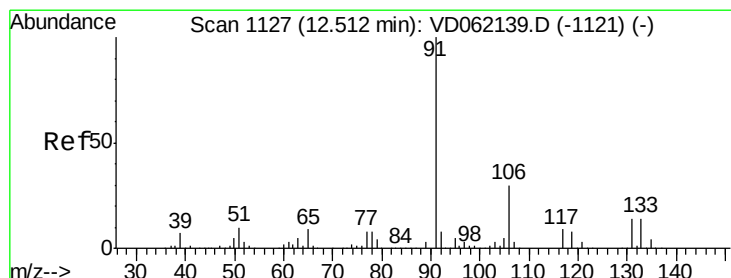
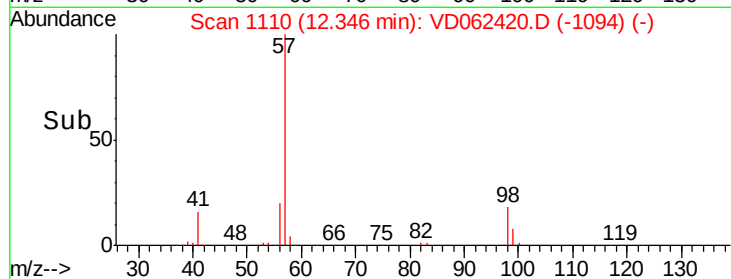
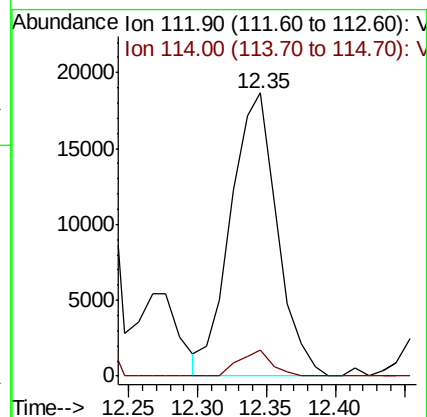
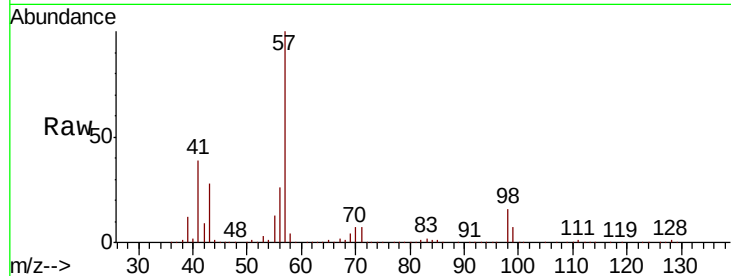
12-B2

Tot Ion:112 Resp: 43708

Ion Ratio Lower Upper

112 100

114 9.1 25.8 38.8#



#67

Ethyl Benzene

Concen: 4.265 ug/l

RT: 12.54 min Scan# 1130

Delta R.T. 0.03 min

Lab File: VD062420.D

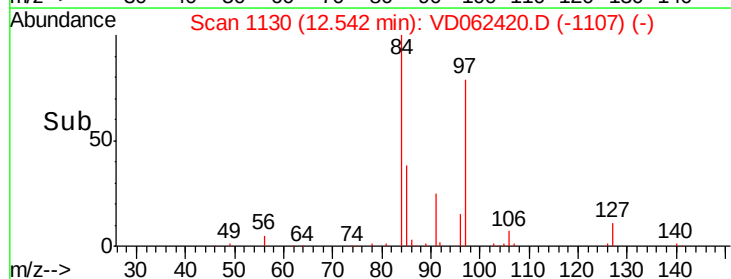
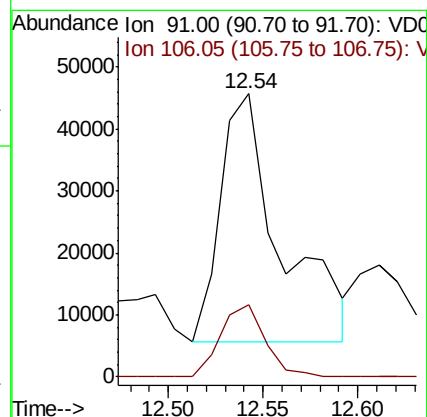
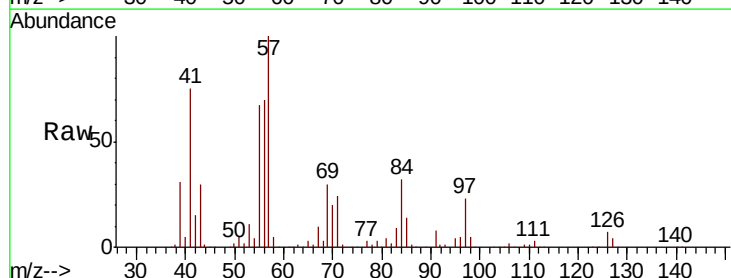
Acq: 16 May 2019 16:28

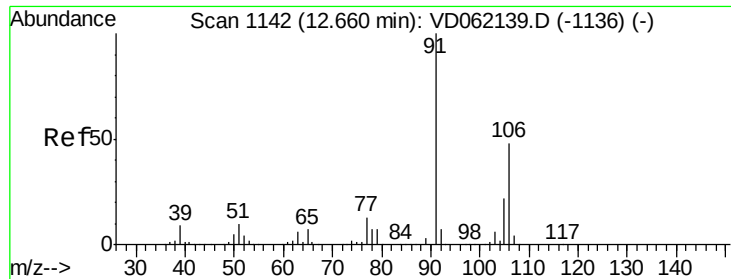
Tgt Ion: 91 Resp: 88110

Ion Ratio Lower Upper

91 100

106 25.3 24.7 37.1

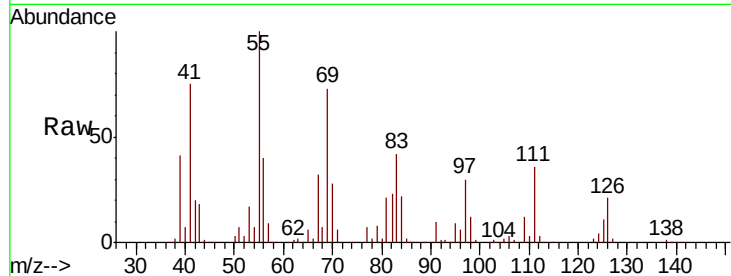




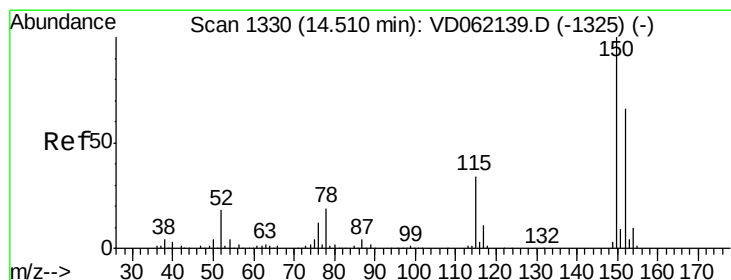
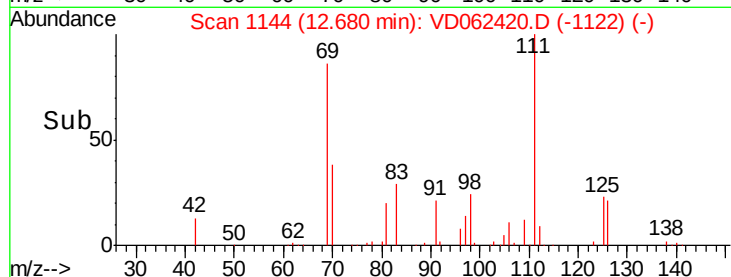
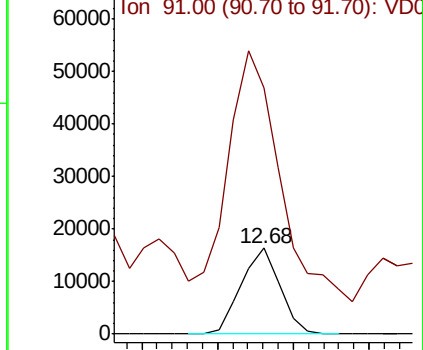
#68
m/p-Xvlenes
Concen: 3.889 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Instrument :
MSVOA_D
ClientSampled :
12-B2

Tot Ion:106 Resp: 29231
Ion Ratio Lower Upper
106 100
91 287.7 164.0 246.0#

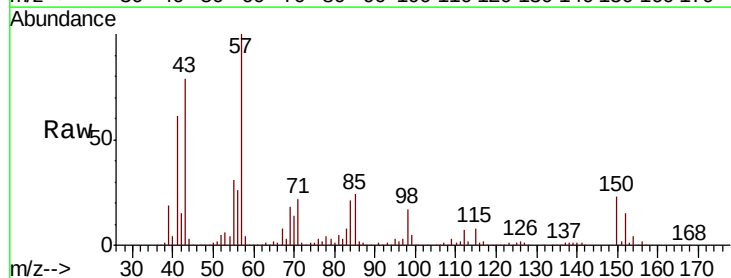


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

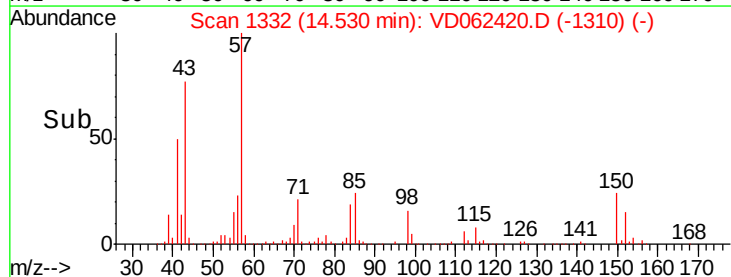
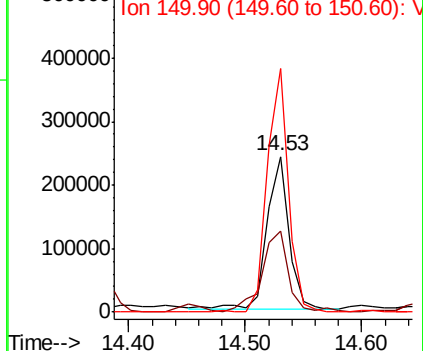


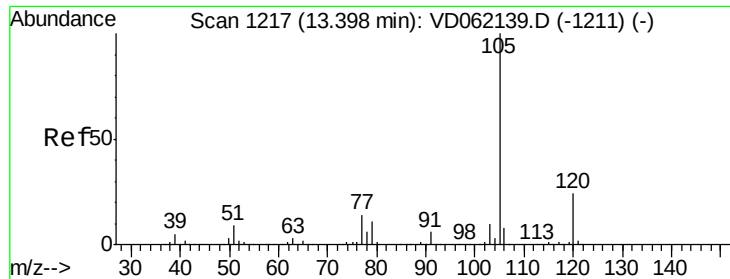
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion:152 Resp: 315552
Ion Ratio Lower Upper
152 100
115 52.3 30.9 92.7
150 156.6 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.938 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

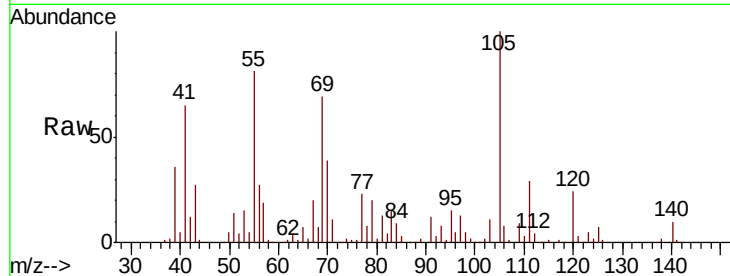
12-B2

Tot Ion:105 Resp: 1020253

Ion Ratio Lower Upper

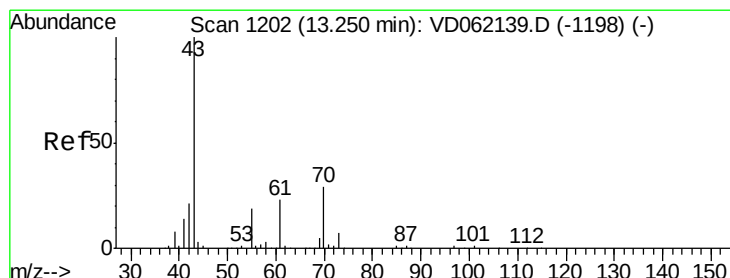
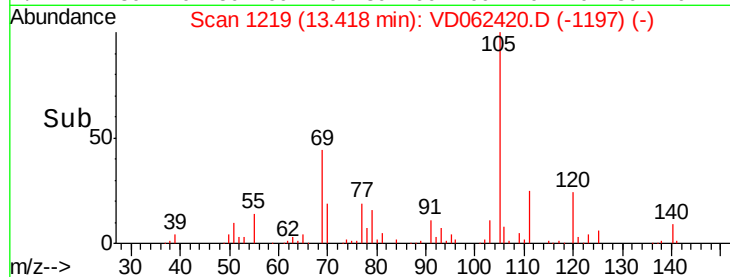
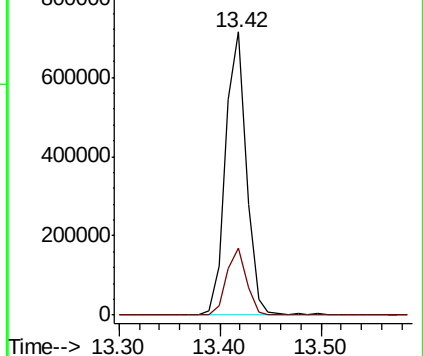
105 100

120 23.5 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: 381.789 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Tgt Ion: 43 Resp: 1893355

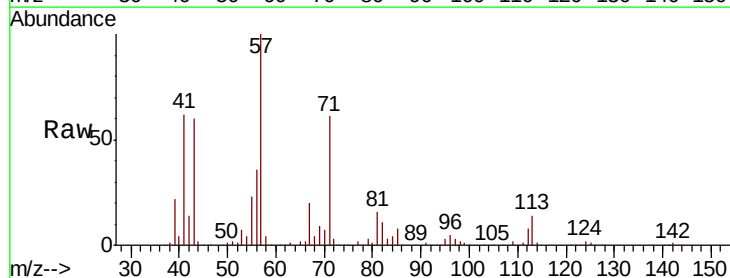
Ion Ratio Lower Upper

43 100

70 12.3 24.2 36.4#

55 37.5 16.0 24.0#

61 0.1 21.6 32.4#

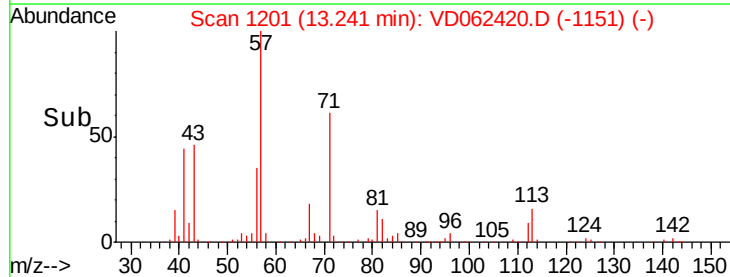
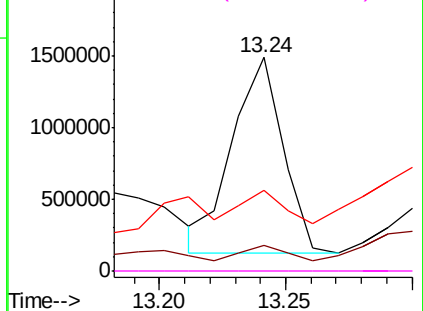


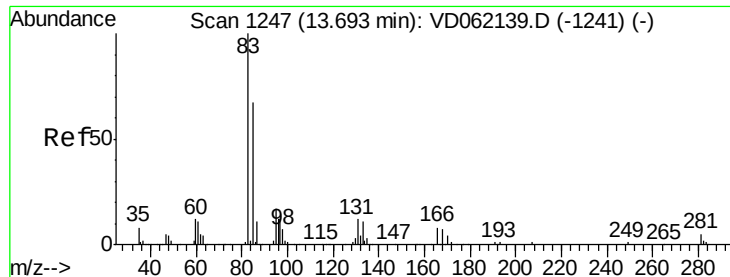
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.162 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

12-B2

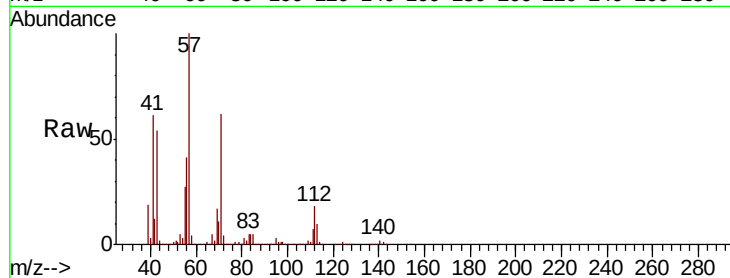
Tot Ion: 83 Resp: 179625

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

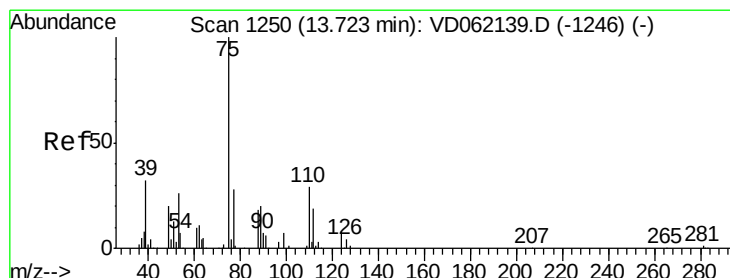
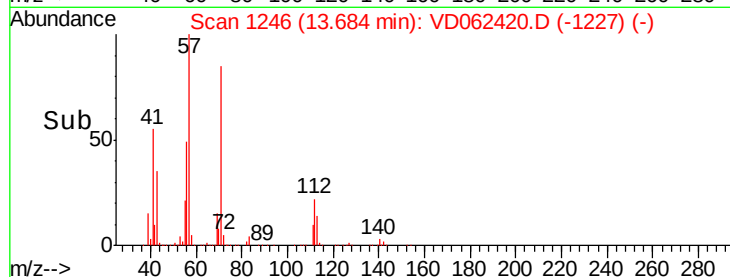
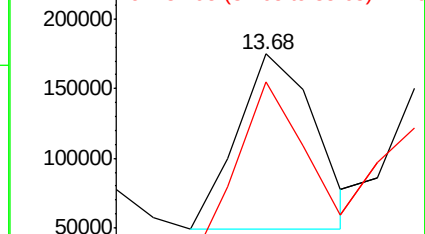
85 88.3 32.6 97.7



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: 24.174 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062420.D

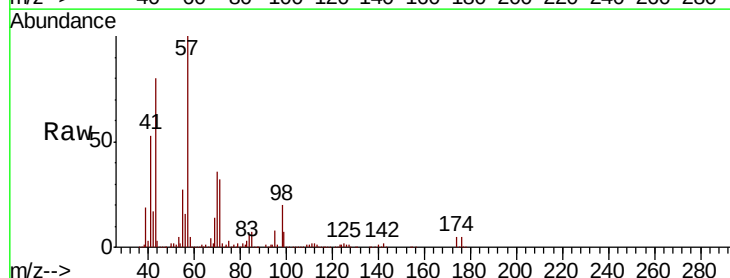
Acq: 16 May 2019 16:28

Tgt Ion: 75 Resp: 90654

Ion Ratio Lower Upper

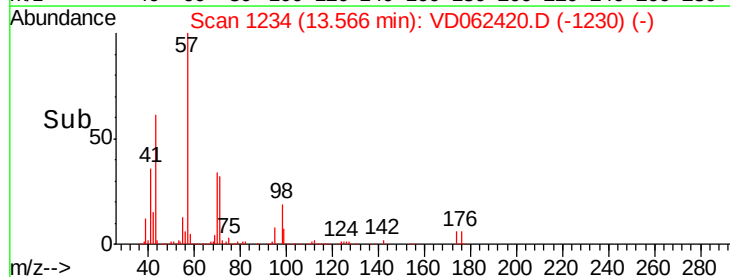
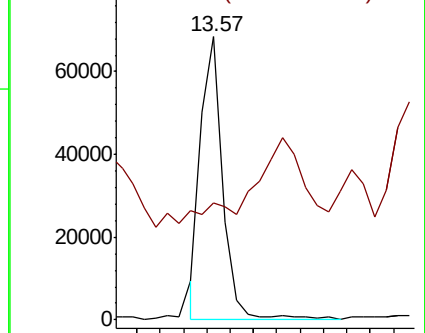
75 100

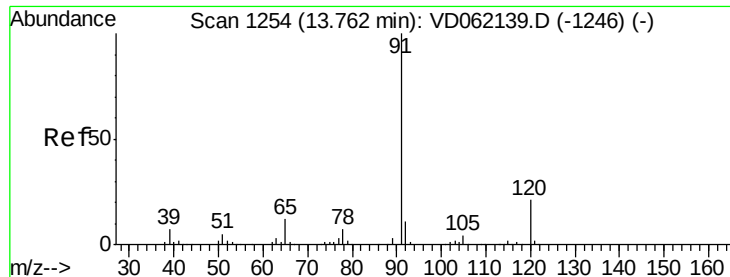
77 41.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#78

n-propylbenzene

Concen: 229.737 ug/l

RT: 13.79 min Scan# 1257

Delta R.T. 0.03 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

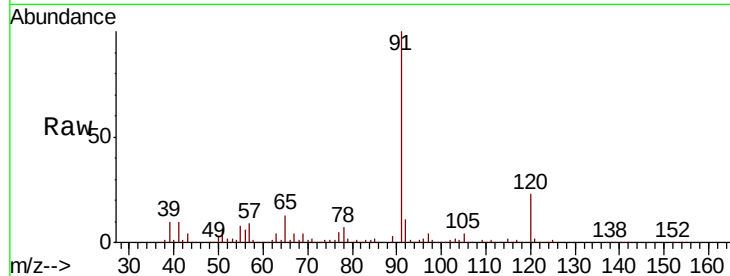
12-B2

Tot Ion: 91 Resp: 5183704

Ion Ratio Lower Upper

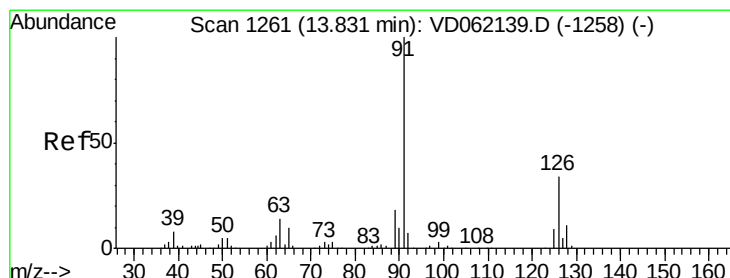
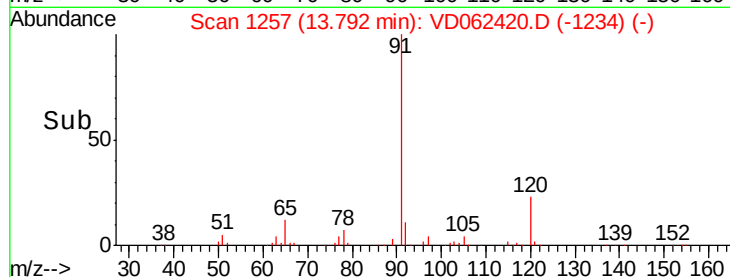
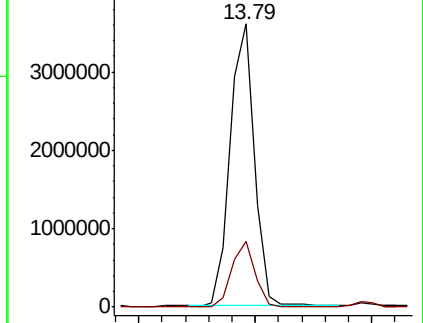
91 100

120 23.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#79

2-Chlorotoluene

Concen: 401.135 ug/l

RT: 13.79 min Scan# 1257

Delta R.T. -0.04 min

Lab File: VD062420.D

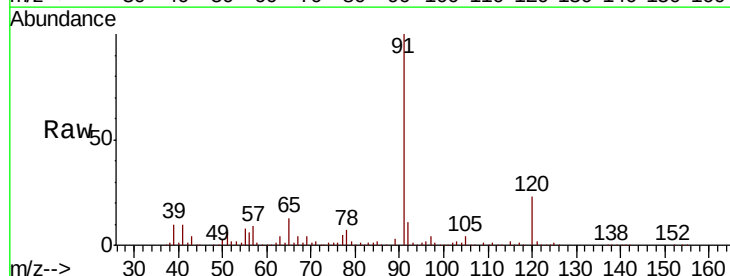
Acq: 16 May 2019 16:28

Tgt Ion: 91 Resp: 5183704

Ion Ratio Lower Upper

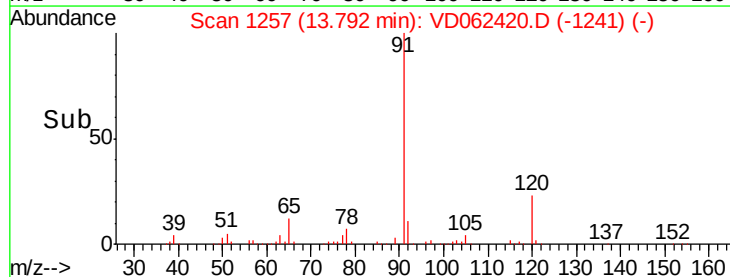
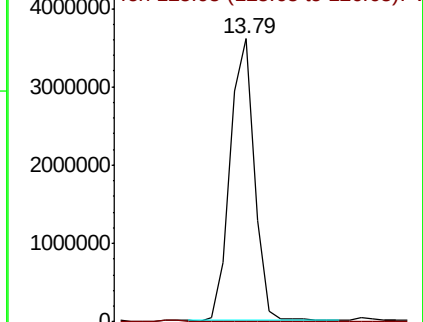
91 100

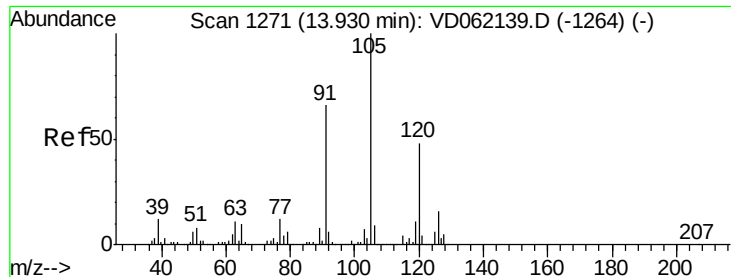
126 0.1 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC





#80

1,3,5-Trimethylbenzene

Concen: 6.057 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

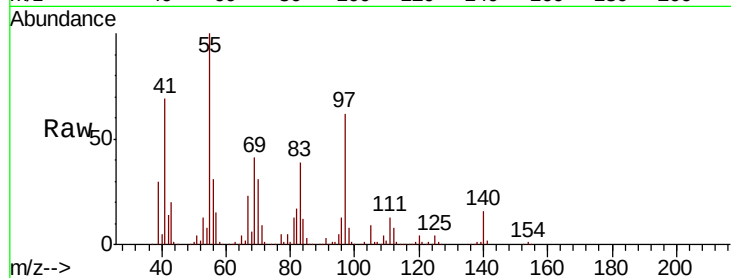
12-B2

Tot Ion:105 Resp: 96478

Ion Ratio Lower Upper

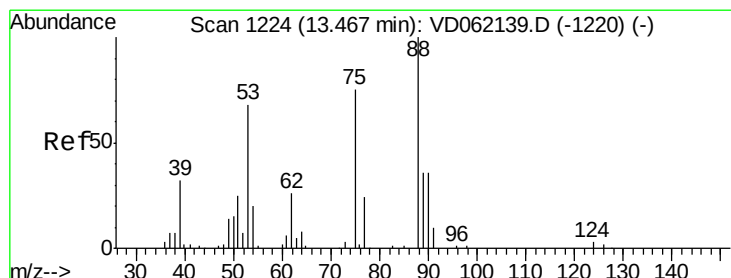
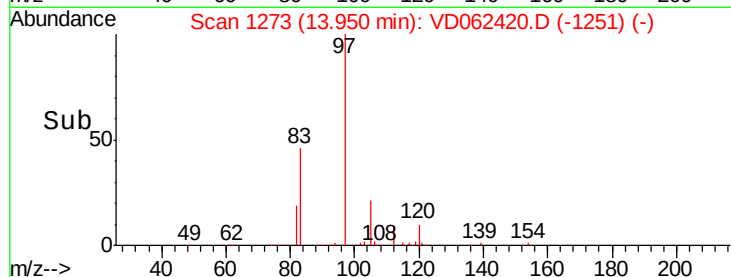
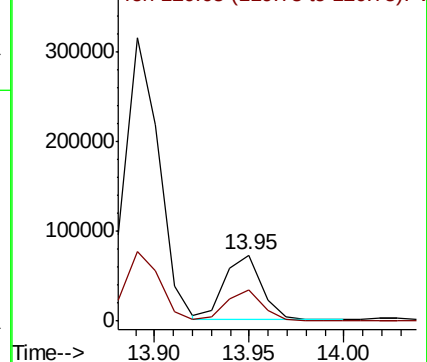
105 100

120 47.5 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: 14.031 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. -0.05 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

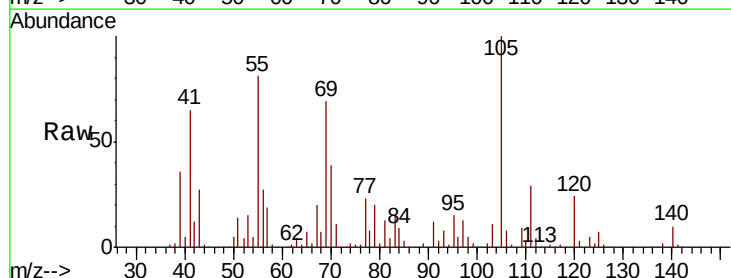
Tgt Ion: 75 Resp: 14854

Ion Ratio Lower Upper

75 100

53 1164.6 65.8 98.8#

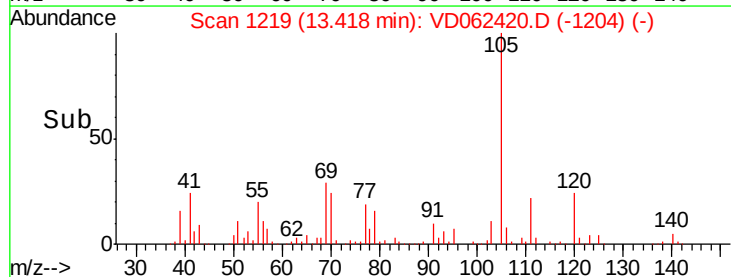
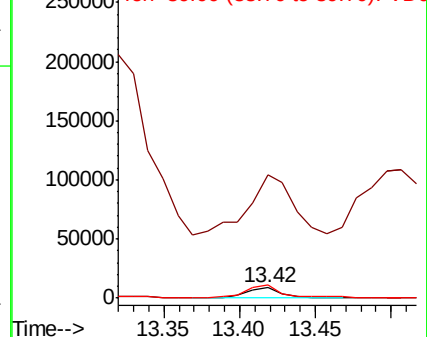
89 123.4 35.0 52.6#

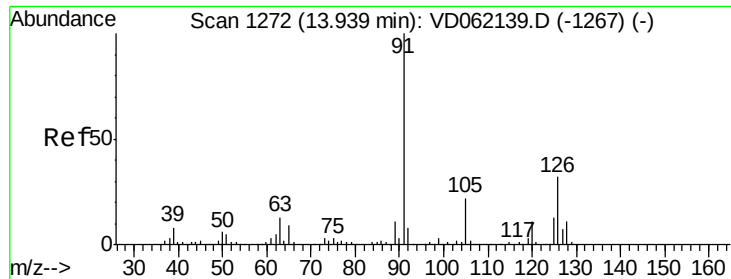


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

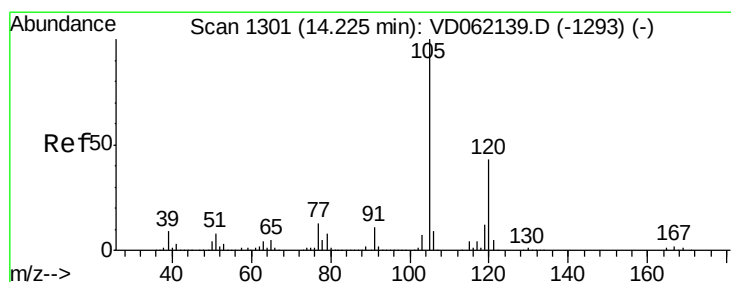
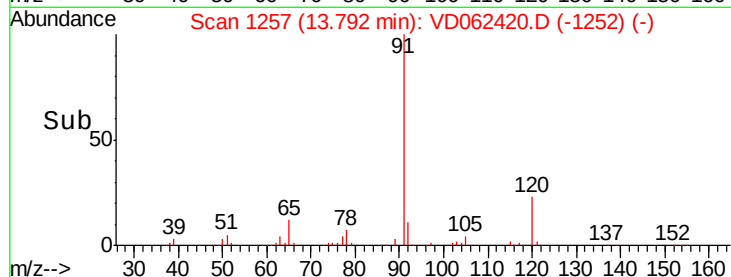
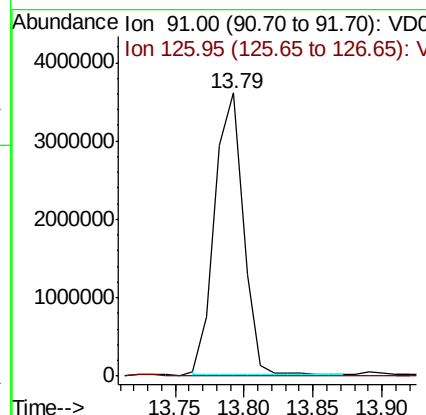
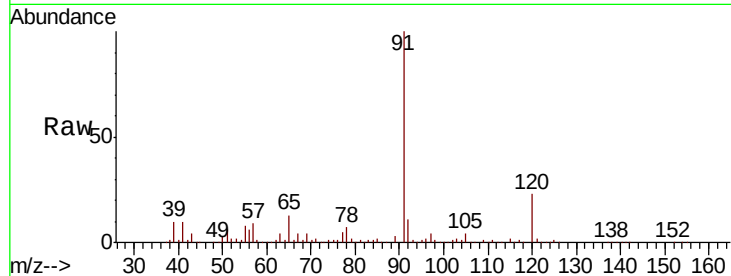




#82
4-Chlorotoluene
Concen: 336.388 ug/l
RT: 13.79 min Scan# 1257
Delta R.T. -0.15 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

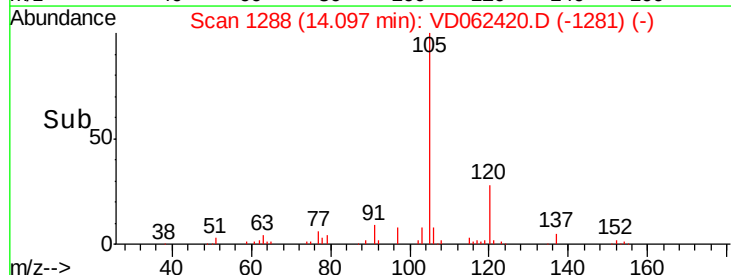
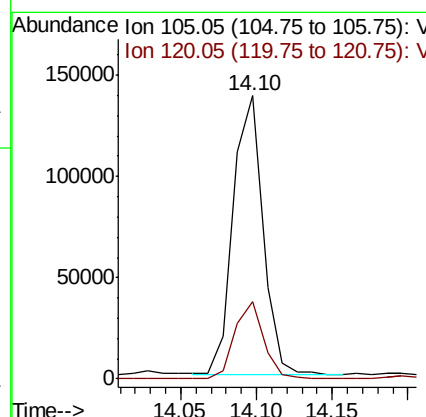
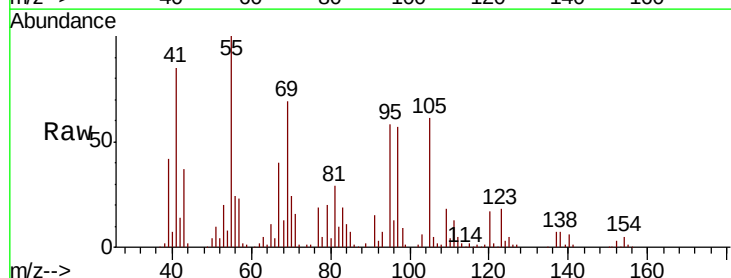
Instrument :
MSVOA_D
ClientSampleId :
12-B2

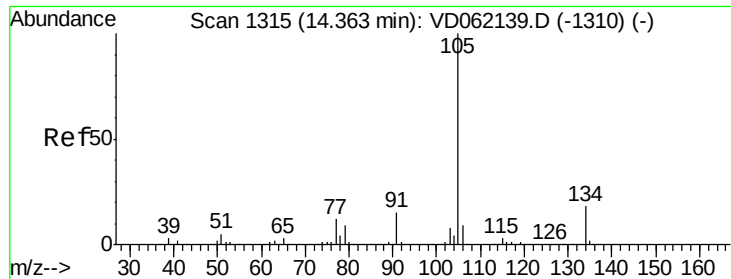
Tot Ion: 91 Resp: 5115363
Ion Ratio Lower Upper
91 100
126 0.1 19.1 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 11.792 ug/l
RT: 14.10 min Scan# 1288
Delta R.T. -0.13 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion:105 Resp: 188480
Ion Ratio Lower Upper
105 100
120 27.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 121.818 ug/l

RT: 14.38 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampleId :

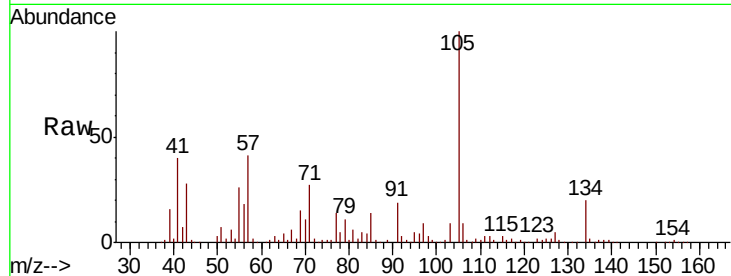
12-B2

Tot Ion:105 Resp: 2391172

Ion Ratio Lower Upper

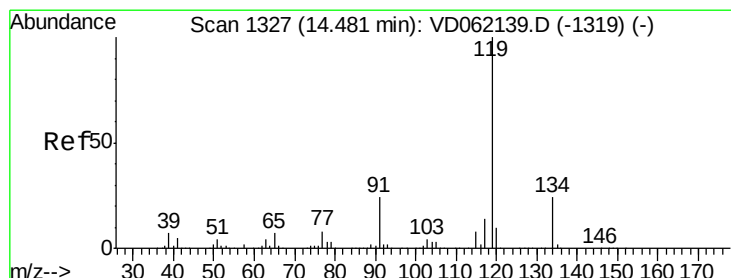
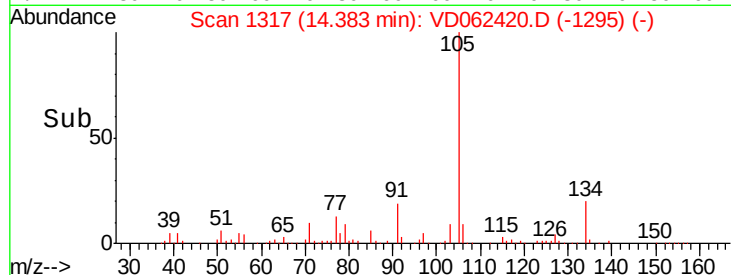
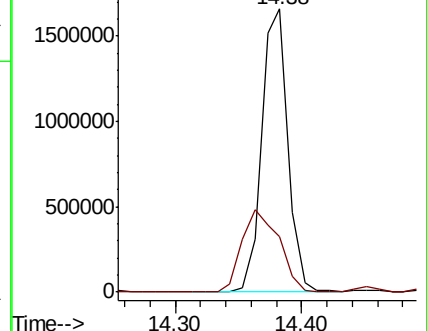
105 100

134 19.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 13.966 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

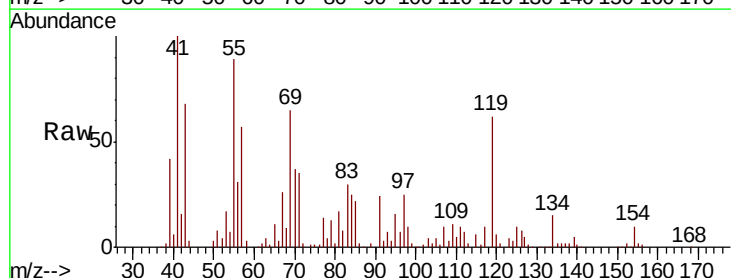
Tgt Ion:119 Resp: 244931

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

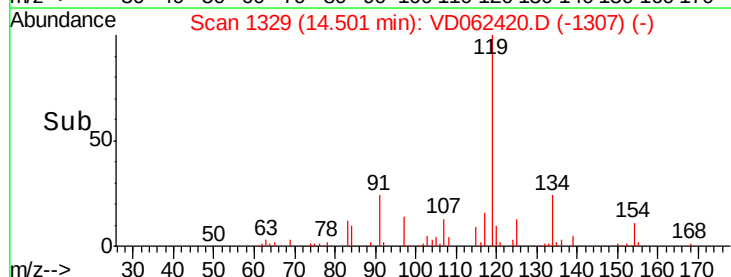
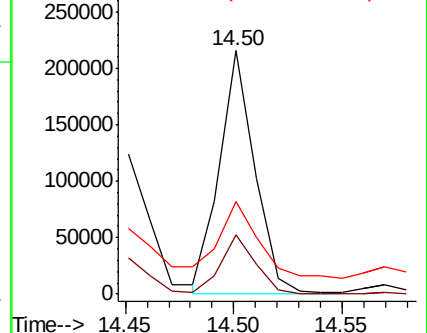
91 37.9 10.7 32.1#

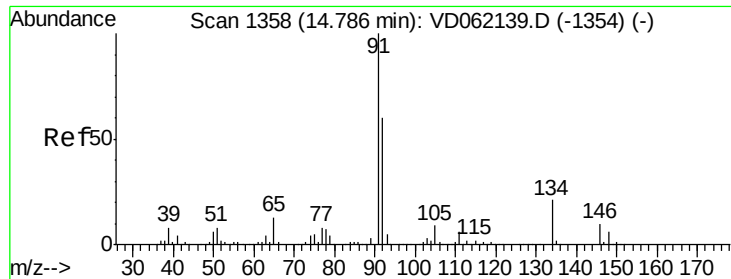


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

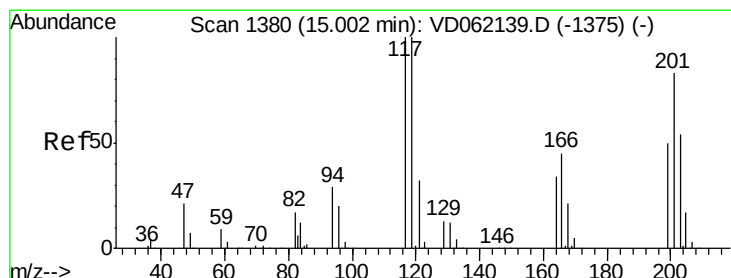
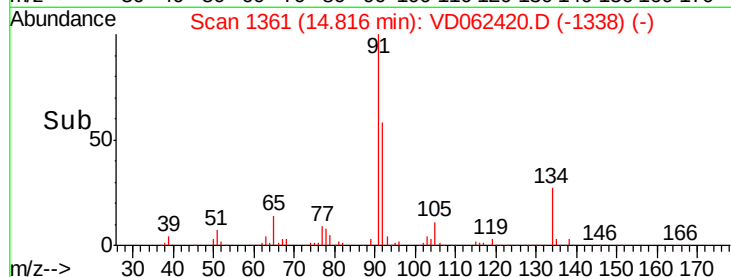
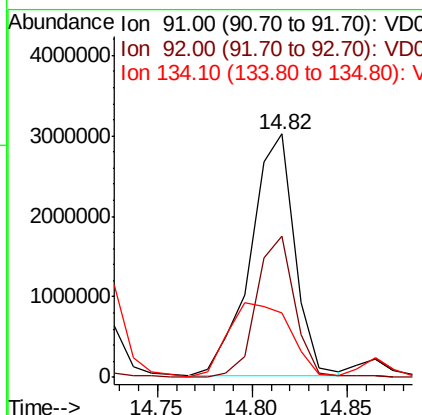
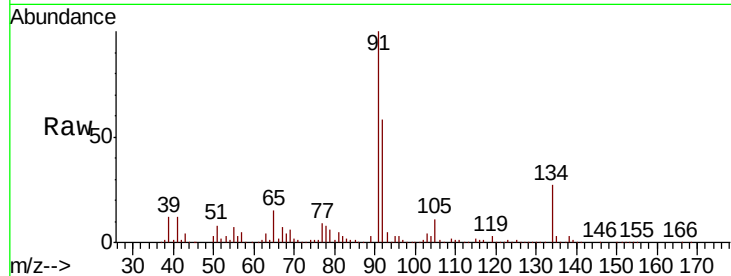




#89
n-Butylbenzene
Concen: 310.335 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.03 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

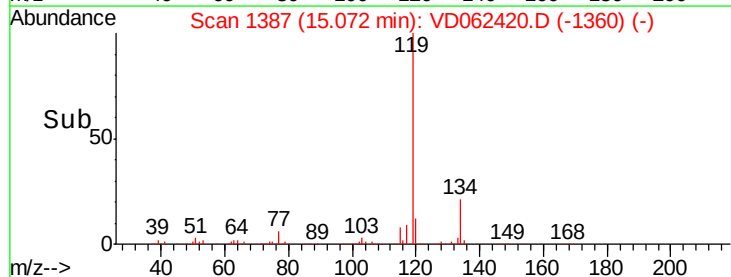
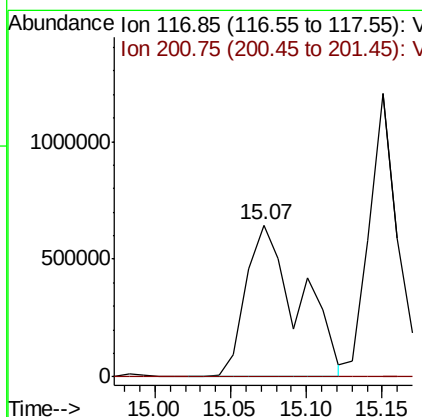
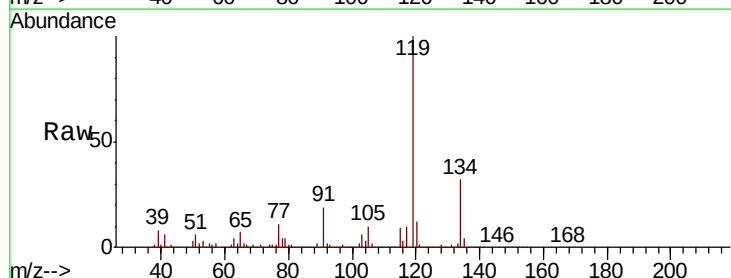
Instrument :
MSVOA_D
ClientSampled :
12-B2

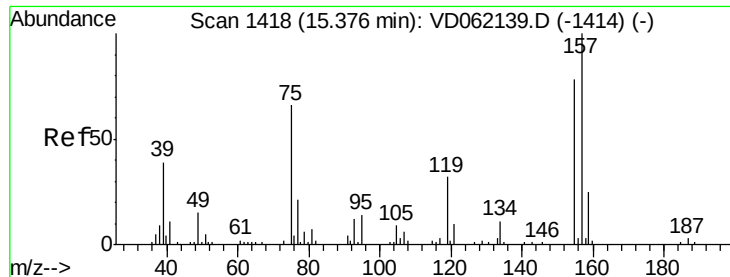
Tot Ion: 91 Resp: 4885018
Ion Ratio Lower Upper
91 100
92 57.8 30.3 91.0
134 26.7 14.5 43.6



#90
Hexachloroethane
Concen: 328.314 ug/l
RT: 15.07 min Scan# 1387
Delta R.T. 0.07 min
Lab File: VD062420.D
Acq: 16 May 2019 16:28

Tgt Ion: 117 Resp: 1565810
Ion Ratio Lower Upper
117 100
201 0.0 30.2 90.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 90.707 ug/l

RT: 15.36 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

Instrument :

MSVOA_D

ClientSampled :

12-B2

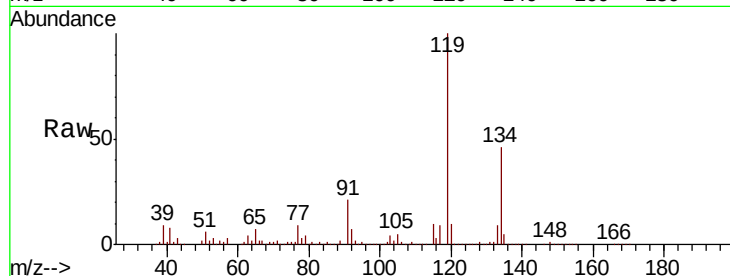
Tot Ion: 75 Resp: 53318

Ion Ratio Lower Upper

75 100

155 2.9 55.3 165.8#

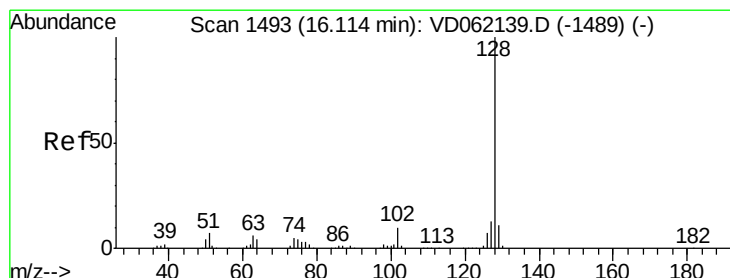
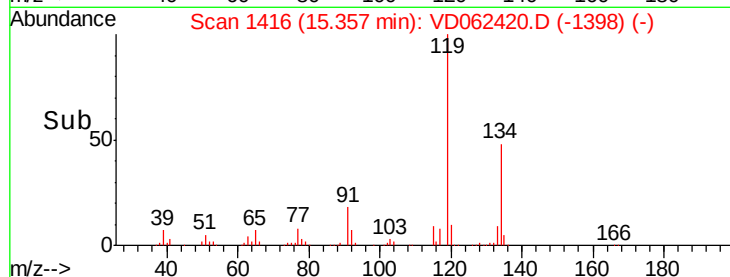
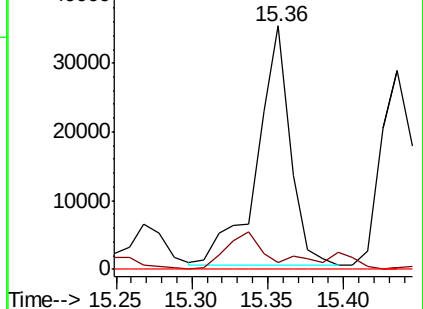
157 0.0 67.8 203.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 2.650 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062420.D

Acq: 16 May 2019 16:28

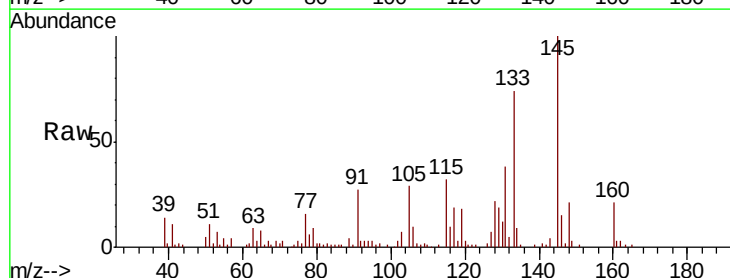
Tgt Ion: 128 Resp: 21453

Ion Ratio Lower Upper

128 100

127 33.8 9.8 14.8#

129 84.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

