

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062507.D
 Acq On : 22 May 2019 17:15
 Operator : VA/AP
 Sample : K2996-06
 Misc : 5.23g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 23 03:14:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	367076	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	519984	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	389684	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	126758	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	157771	40.15	ug/l	-0.03
Spiked Amount			Recovery	=	80.30%	
35) Dibromofluoromethane	6.91	113	134668	28.71	ug/l	-0.04
Spiked Amount			Recovery	=	57.42%	
50) Toluene-d8	10.39	98	376205	36.65	ug/l	-0.04
Spiked Amount			Recovery	=	73.30%	
62) 4-Bromofluorobenzene	13.54	95	133402	29.71	ug/l	-0.03
Spiked Amount			Recovery	=	59.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	2798	15.427	ug/l #	76
13) Acrolein	3.04	56	445	2.954	ug/l #	1
14) Allyl chloride	3.68	41	9834	2.453	ug/l #	74
15) Acrylonitrile	4.21	53	11364	27.344	ug/l #	45
16) Acetone	3.21	43	41650	59.151	ug/l #	79
17) Carbon Disulfide	3.37	76	9406	1.142	ug/l #	91
18) Methyl Acetate	3.67	43	4756	3.914	ug/l #	53
19) Methyl tert-butyl Ether	4.22	73	6833	1.088	ug/l #	1
20) Methylene Chloride	3.80	84	8472	Below Cal	#	73
25) 2-Butanone	6.06	43	6620	8.989	ug/l #	56
29) Tetrahydrofuran	6.44	42	707	2.010	ug/l #	30
30) Chloroform	6.60	83	19022	2.715	ug/l #	18
31) Cyclohexane	6.96	56	75090	20.240	ug/l #	49
36) 1,1-Dichloropropene	7.03	75	29947	6.024	ug/l #	50
38) Carbon Tetrachloride	7.03	117	38989	5.277	ug/l #	16
39) Methylcyclohexane	8.86	83	57123	13.931	ug/l	94
40) Benzene	7.44	78	87263	8.949	ug/l	95
41) Methacrylonitrile	6.45	41	6351	2.618	ug/l #	68
43) Isopropyl Acetate	9.27	43	8215	3.206	ug/l #	43
47) Bromodichloromethane	9.38	83	16303	2.975	ug/l #	26
48) Methyl methacrylate	9.14	41	17520	10.162	ug/l	87
52) Toluene	10.50	92	3107116	465.436	ug/l	100
55) 1,1,2-Trichloroethane	11.09	97	25988	11.486	ug/l #	22
56) Ethyl methacrylate	11.08	69	15091	6.239	ug/l #	1
59) 2-Hexanone	11.47	43	29396	23.897	ug/l #	32
67) Ethyl Benzene	12.52	91	1154510	89.444	ug/l	98
68) m/p-Xylenes	12.65	106	1797094	387.864	ug/l	94
69) o-Xylene	13.04	106	437896	100.167	ug/l	88
70) Styrene	13.04	104	22458	3.020	ug/l #	1
73) Isopropylbenzene	13.39	105	209835	26.262	ug/l	97
74) N-amyl acetate	13.29	43	10769	5.457	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.66	83	3159	2.192	ug/l #	69
76) 1,2,3-Trichloropropane	13.77	75	2389	1.600	ug/l #	1
78) n-propylbenzene	13.77	91	327007	35.333	ug/l	100

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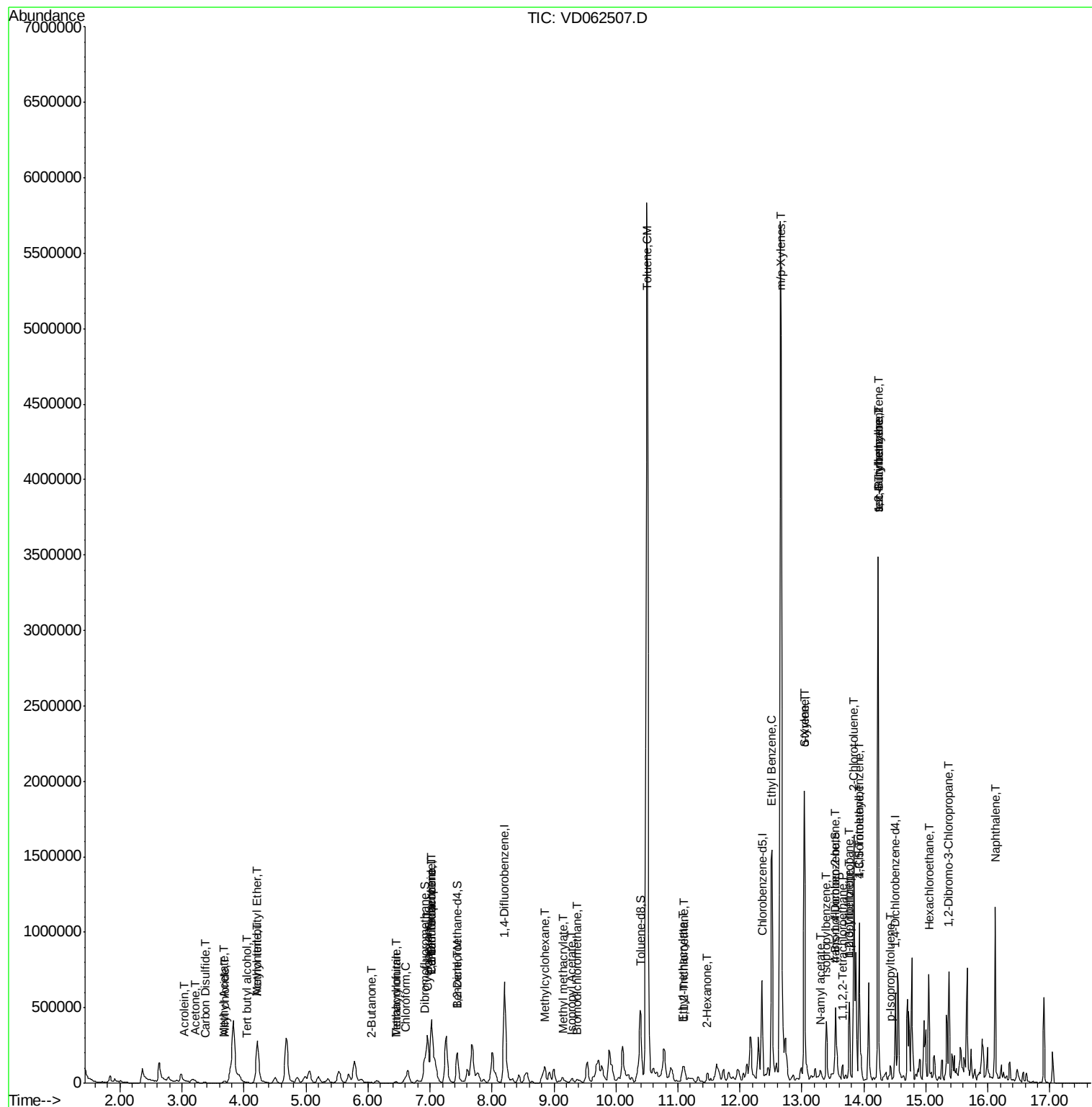
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	13.84	91	168859	30.064	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.92	105	466051	67.366	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.54	75	58546	139.036	ug/l #	21
82) 4-Chlorotoluene	13.92	91	51369	7.942	ug/l #	37
83) tert-Butylbenzene	14.23	119	167610	21.842	ug/l #	65
84) 1,2,4-Trimethylbenzene	14.23	105	1463713	206.480	ug/l	97
85) sec-Butylbenzene	14.23	105	1458513	182.276	ug/l #	60
86) p-Isopropyltoluene	14.43	119	36578	5.044	ug/l	91
90) Hexachloroethane	15.05	117	26606	13.276	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	15.37	75	2141	7.825	ug/l #	1
95) Naphthalene	16.12	128	725541	198.132	ug/l	99

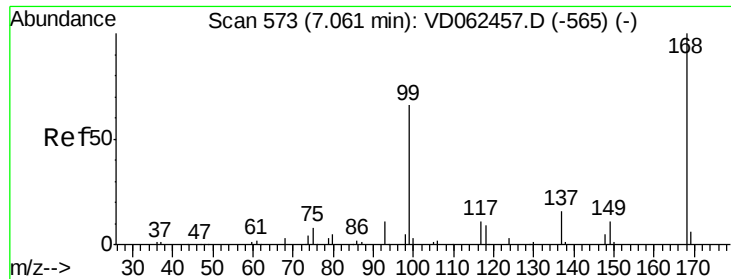
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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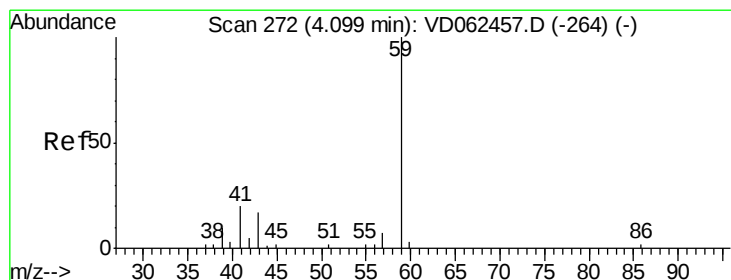
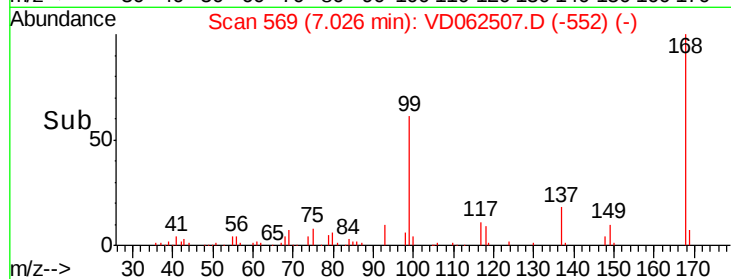
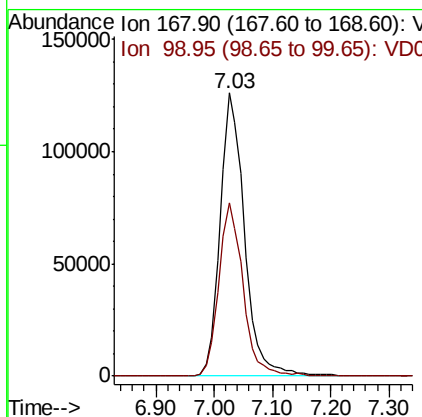
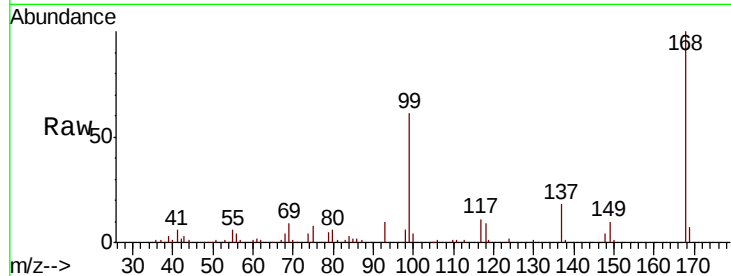




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.04 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

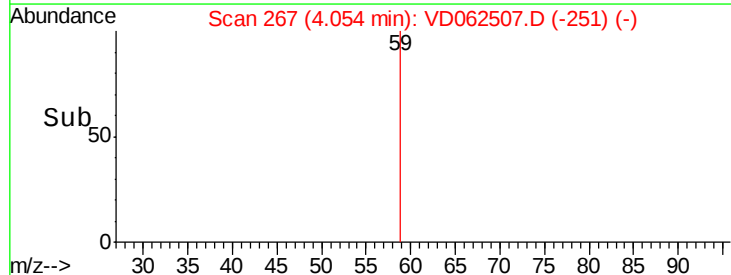
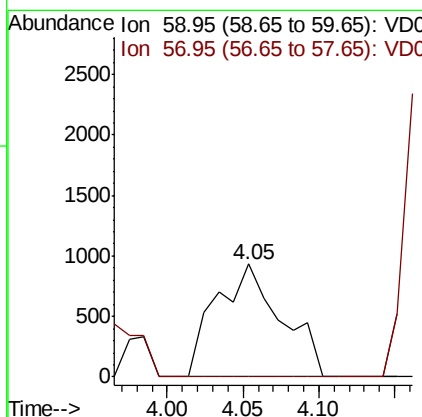
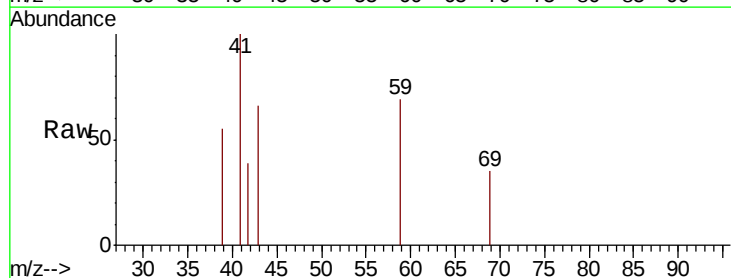
Instrument :
MSVOA_D
ClientSampleId :

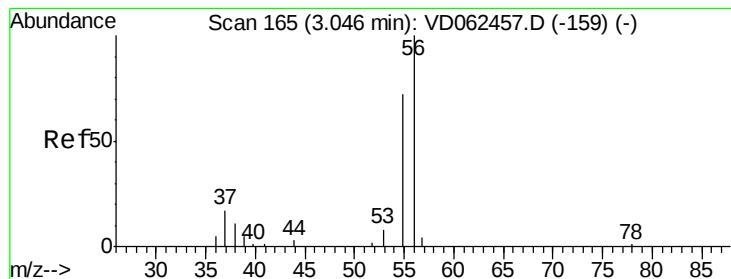
Tot Ion:168 Resp: 367076
Ion Ratio Lower Upper
168 100
99 61.2 46.5 69.7



#11
Tert butyl alcohol
Concen: 15.427 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.05 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion: 59 Resp: 2798
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#13

Acrolein

Concen: 2.954 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

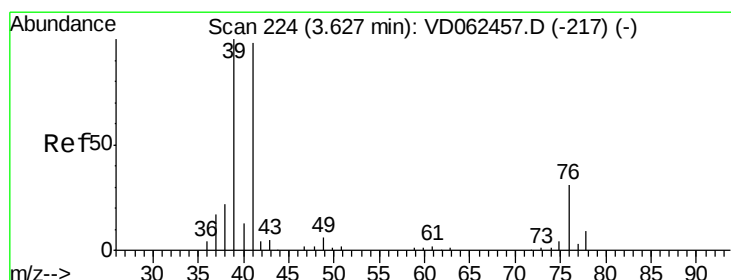
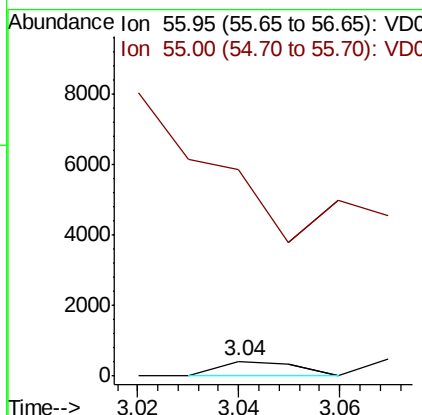
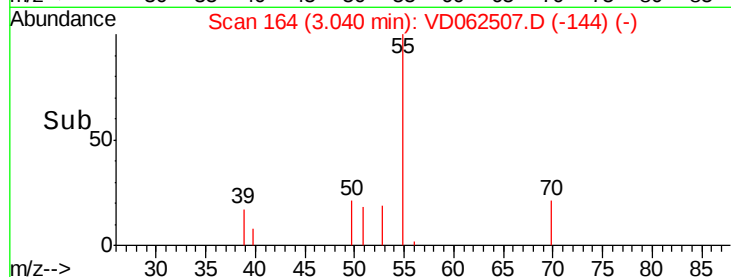
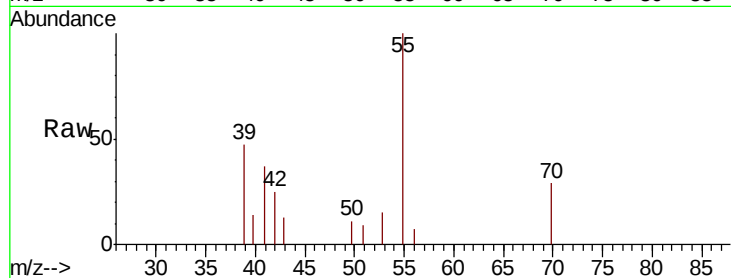
ClientSampleId :

Tot Ion: 56 Resp: 445

Ion Ratio Lower Upper

56 100

55 1407.5 51.4 77.2#



#14

Allyl chloride

Concen: 2.453 ug/l

RT: 3.68 min Scan# 229

Delta R.T. 0.05 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

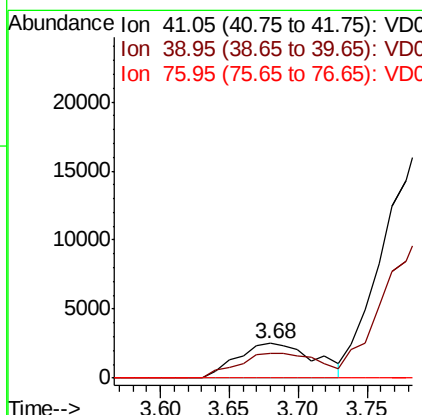
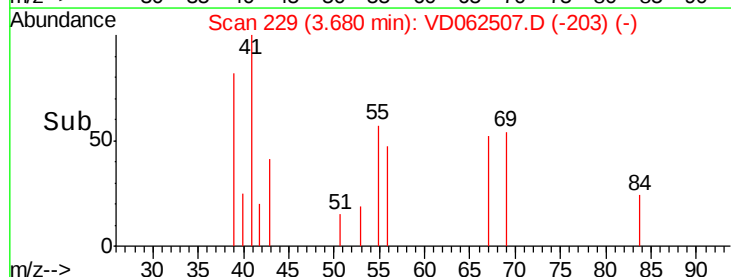
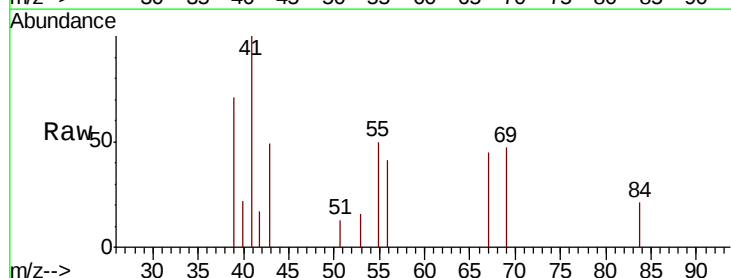
Tgt Ion: 41 Resp: 9834

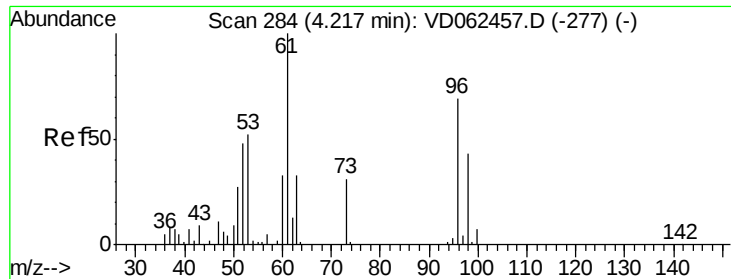
Ion Ratio Lower Upper

41 100

39 71.1 60.5 90.7

76 0.0 31.8 47.8#





#15

Acrylonitrile

Concen: 27.344 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

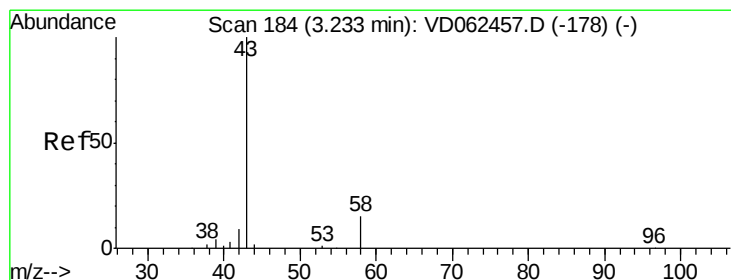
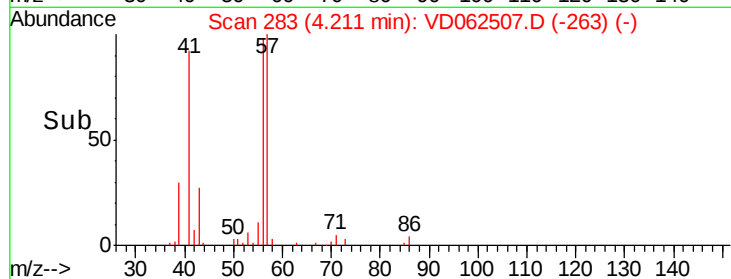
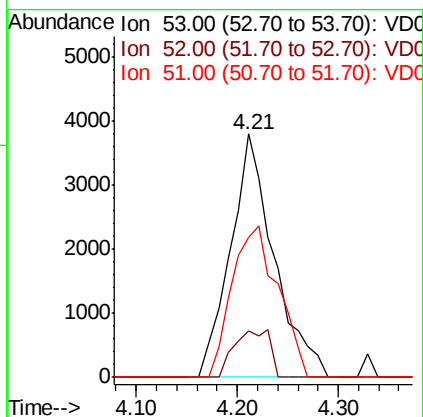
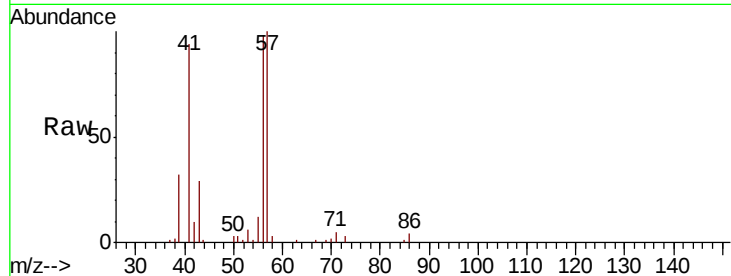
Tot Ion: 53 Resp: 11364

Ion Ratio Lower Upper

53 100

52 19.1 65.0 97.4#

51 57.4 32.6 48.8#



#16

Acetone

Concen: 59.151 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062507.D

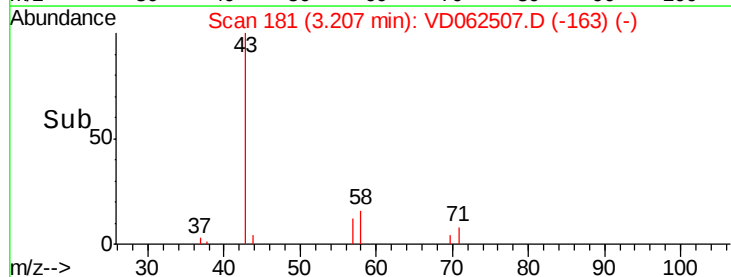
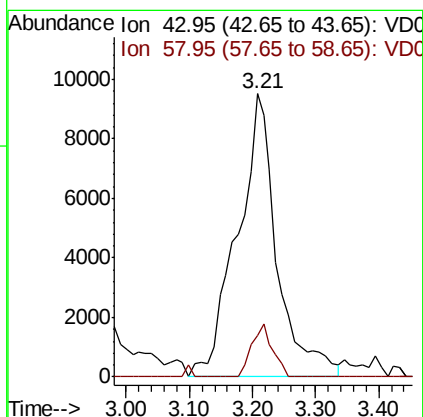
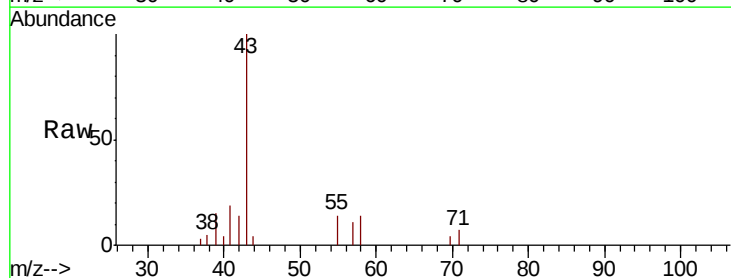
Acq: 22 May 2019 17:15

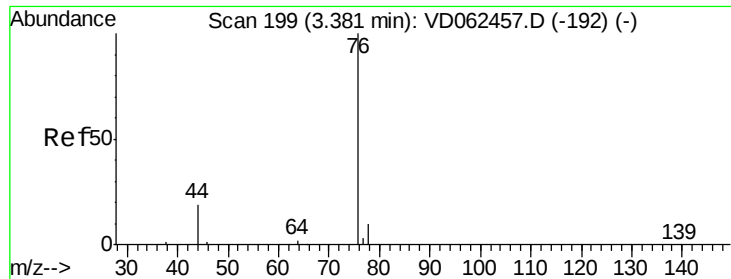
Tgt Ion: 43 Resp: 41650

Ion Ratio Lower Upper

43 100

58 14.4 19.9 29.9#

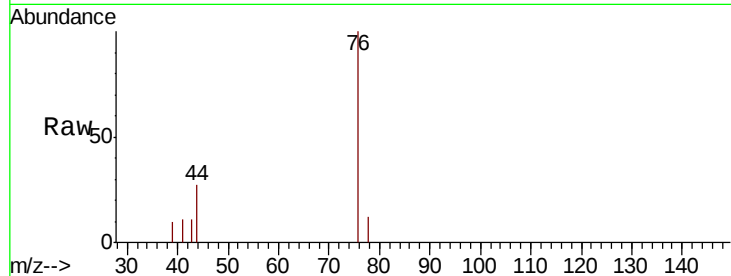




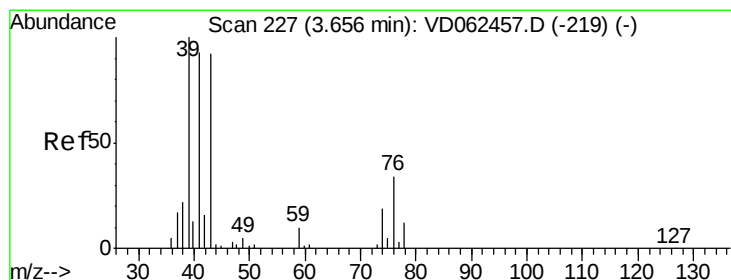
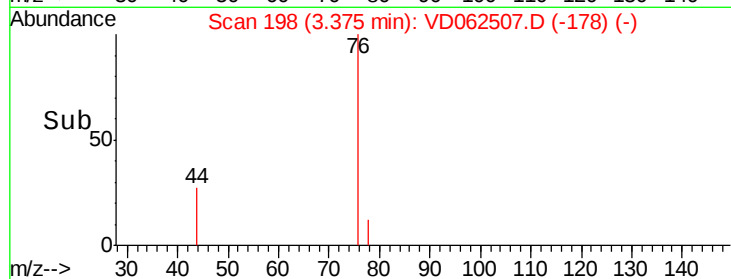
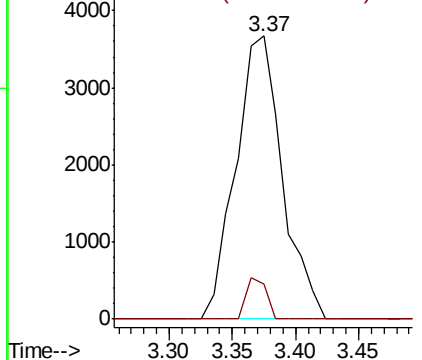
#17
Carbon Disulfide
Concen: 1.142 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 9406
Ion Ratio Lower Upper
76 100
78 12.2 7.2 10.8#

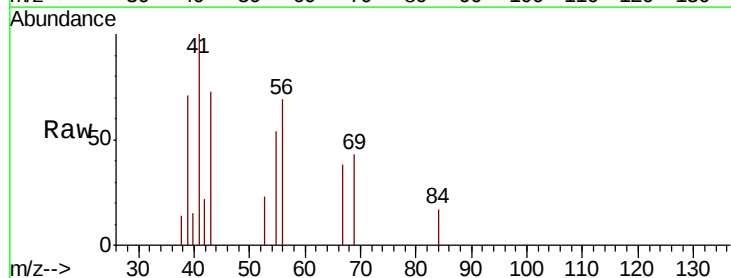


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

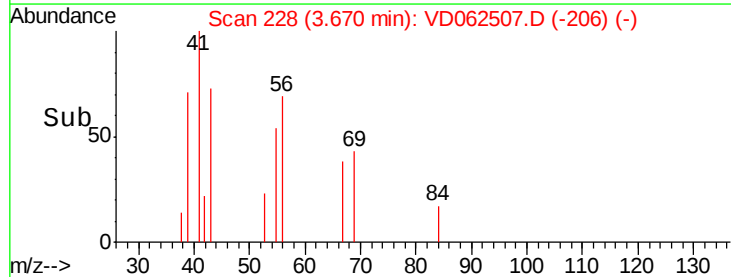
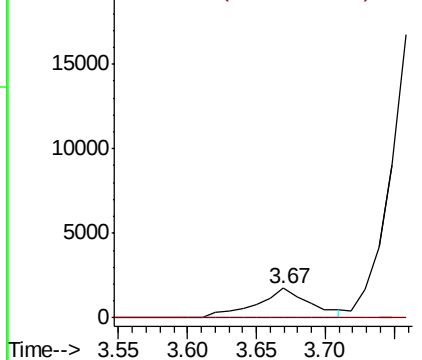


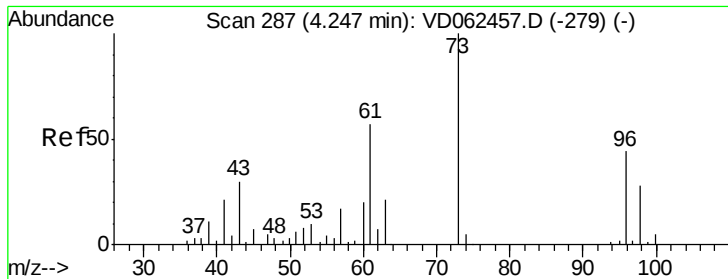
#18
Methyl Acetate
Concen: 3.914 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion: 43 Resp: 4756
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

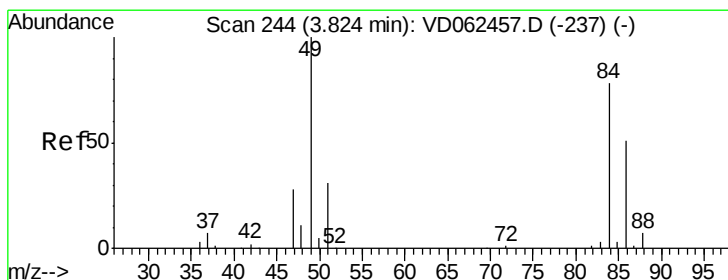
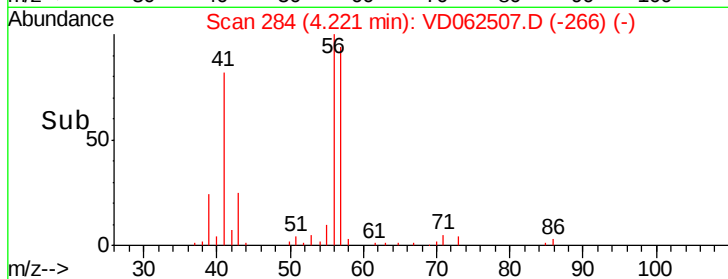
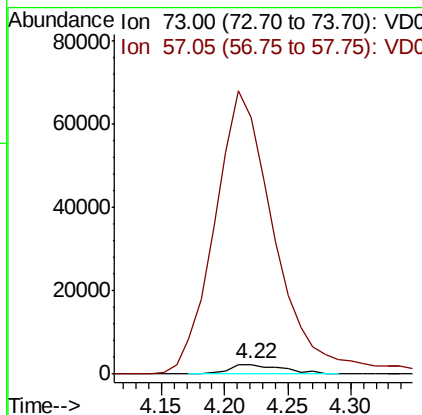
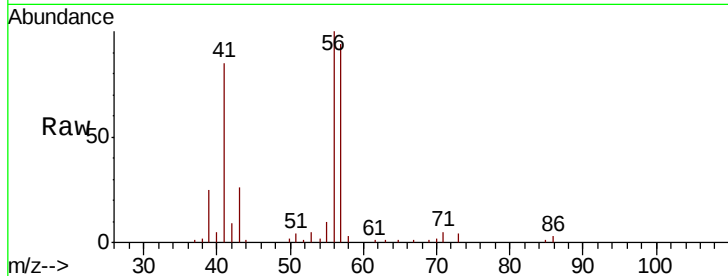




#19
Methyl tert-butyl Ether
Concen: 1.088 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

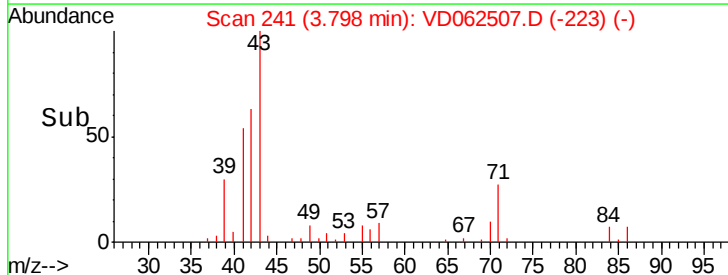
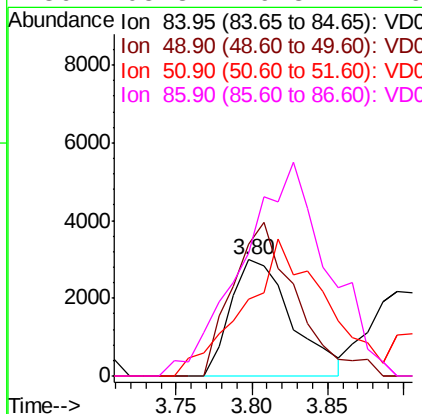
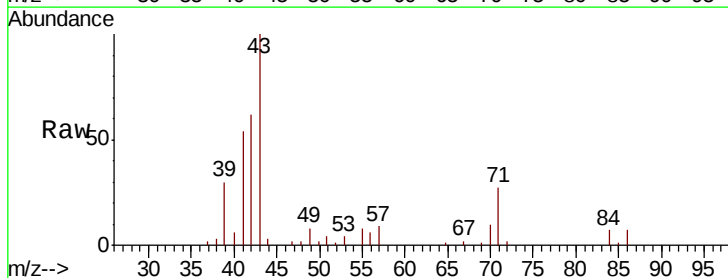
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MSVOA_D
ClientSampleId :

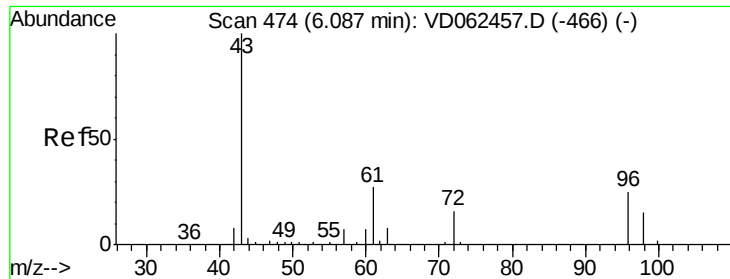
Tot Ion: 73 Resp: 6833
Ion Ratio Lower Upper
73 100
57 2618.5 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion: 84 Resp: 8472
Ion Ratio Lower Upper
84 100
49 113.0 94.0 141.0
51 65.6 29.0 43.4#
86 105.3 49.8 74.6#





#25

2-Butanone

Concen: 8.989 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

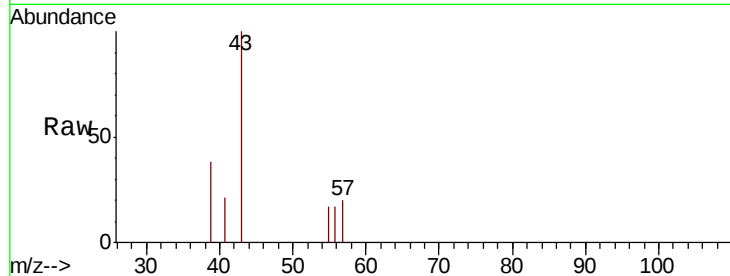
ClientSampleId :

Tot Ion: 43 Resp: 6620

Ion Ratio Lower Upper

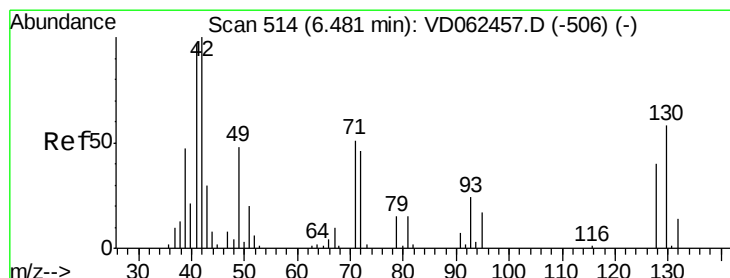
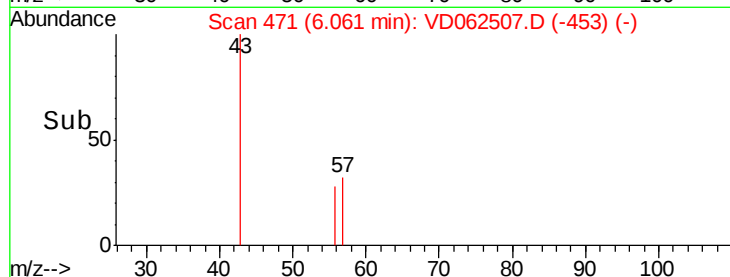
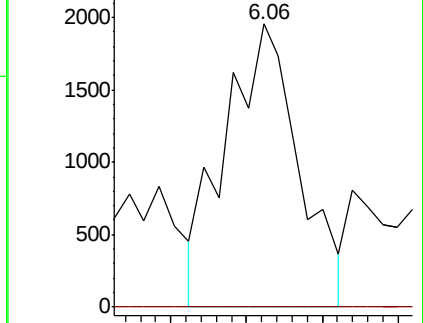
43 100

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: 2.010 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.04 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

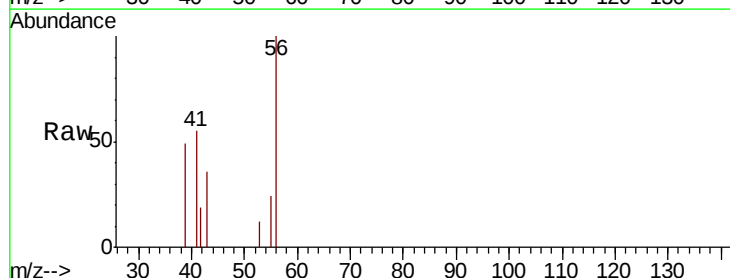
Tgt Ion: 42 Resp: 707

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

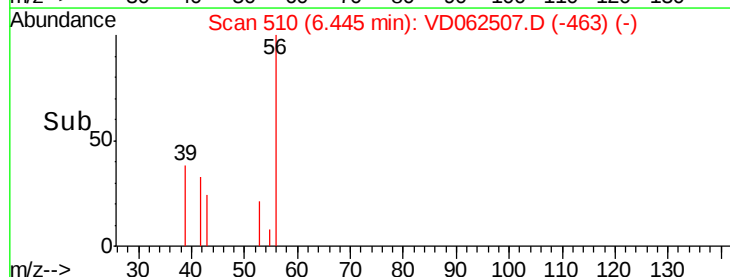
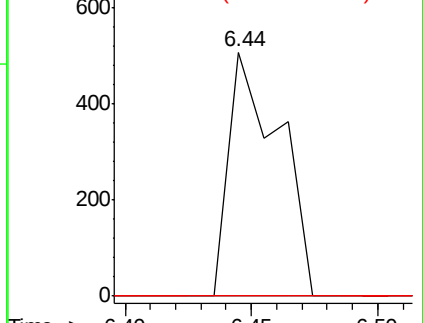
71 0.0 36.7 55.1#

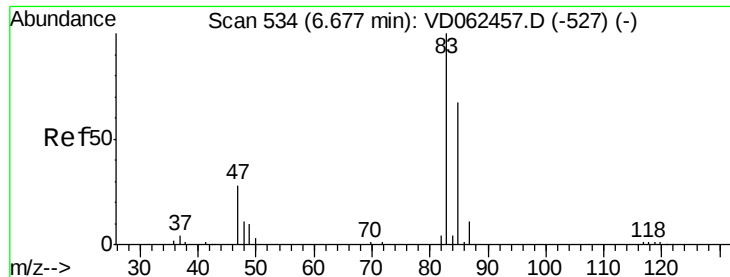


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

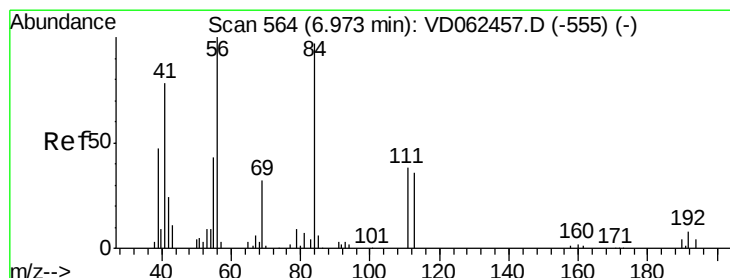
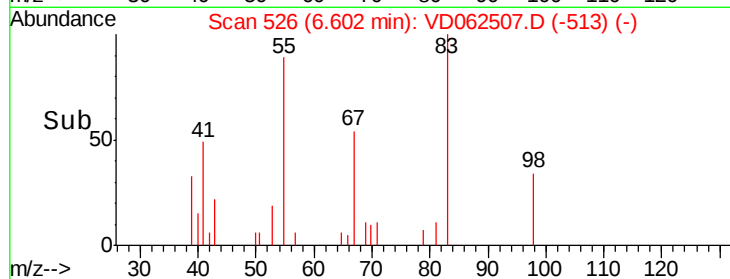
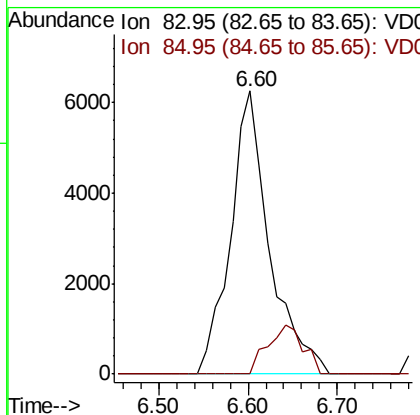
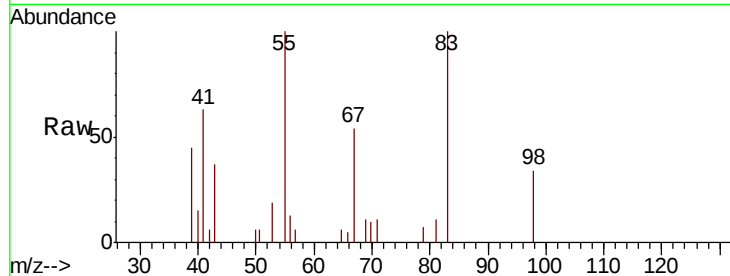




#30
Chloroform
Concen: 2.715 ug/l
RT: 6.60 min Scan# 526
Delta R.T. -0.08 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

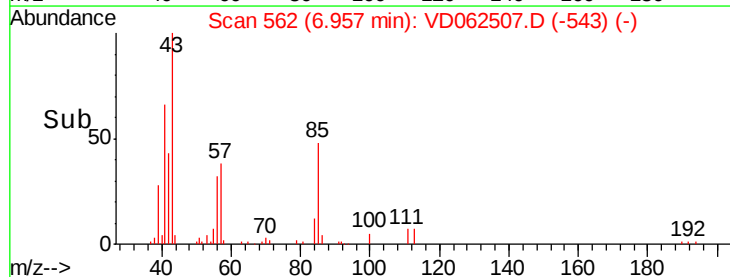
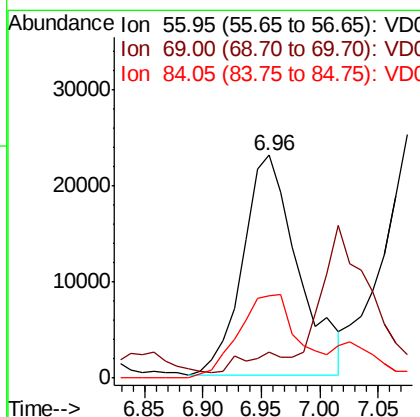
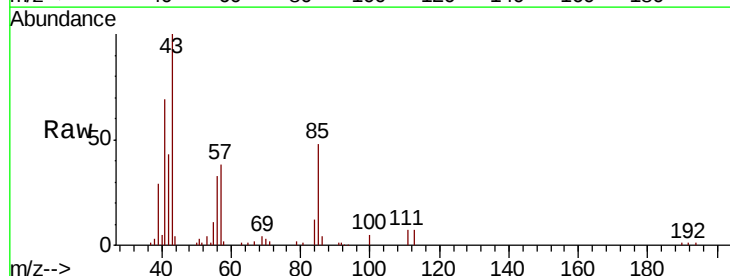
Instrument :
MSVOA_D
ClientSampleId :

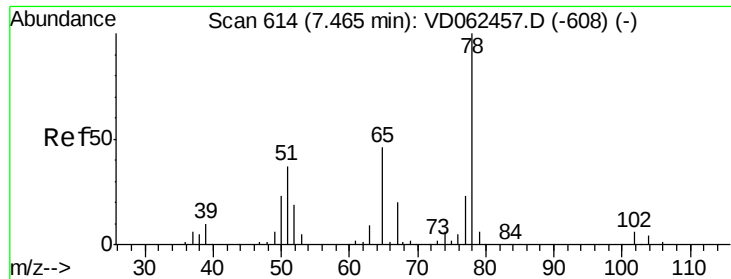
Tot Ion: 83 Resp: 19022
Ion Ratio Lower Upper
83 100
85 0.0 51.7 77.5#



#31
Cyclohexane
Concen: 20.240 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion: 56 Resp: 75090
Ion Ratio Lower Upper
56 100
69 11.7 25.8 38.6#
84 37.1 72.2 108.4#

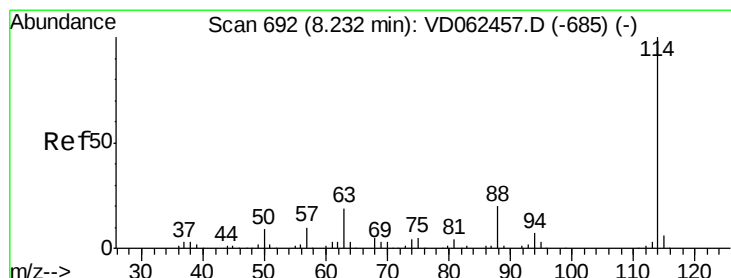
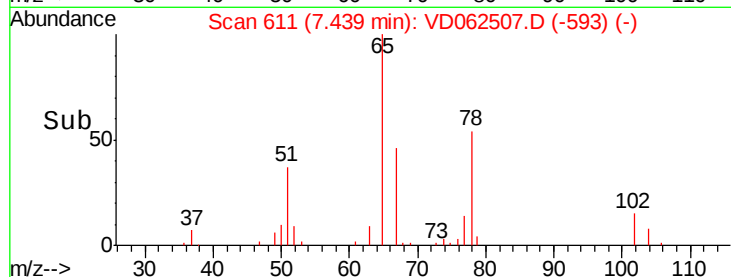
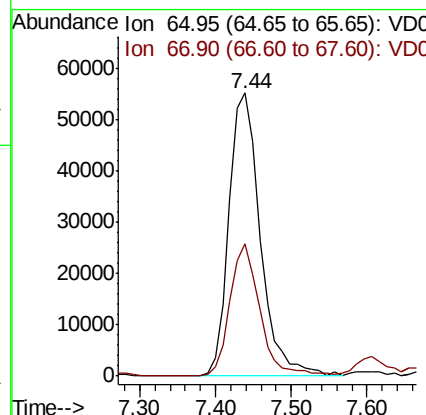
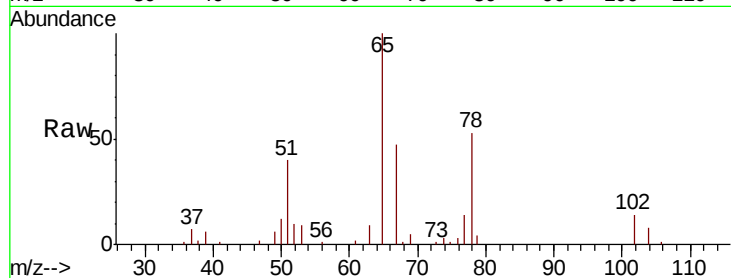




#33
 1,2-Dichloroethane-d4
 Concen: 40.152 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

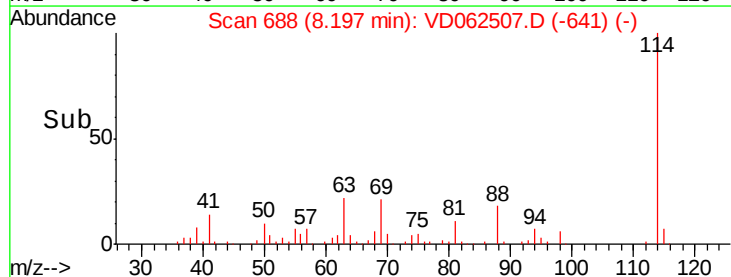
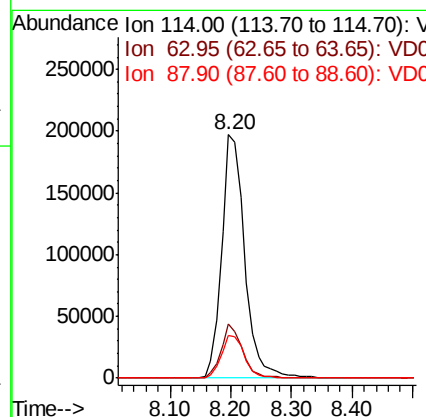
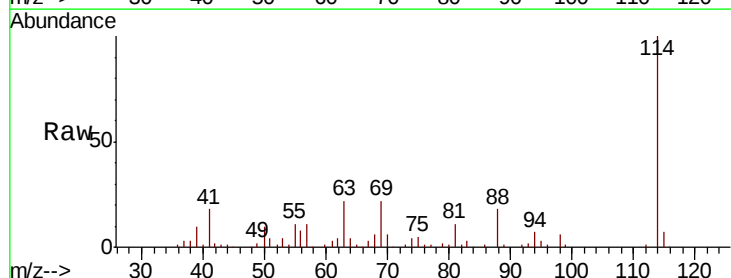
Instrument :
 MSVOA_D
 ClientSampleId :

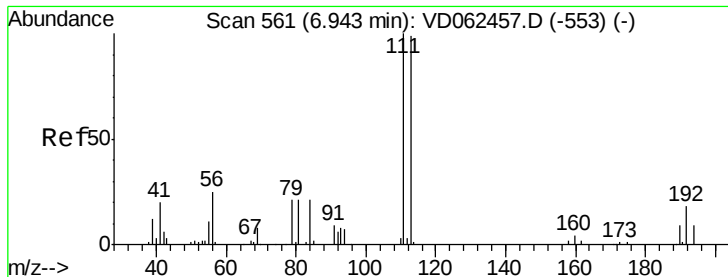
Tot Ion: 65 Resp: 157771
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Tgt Ion: 114 Resp: 519984
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 32.4
 88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 28.708 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.04 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

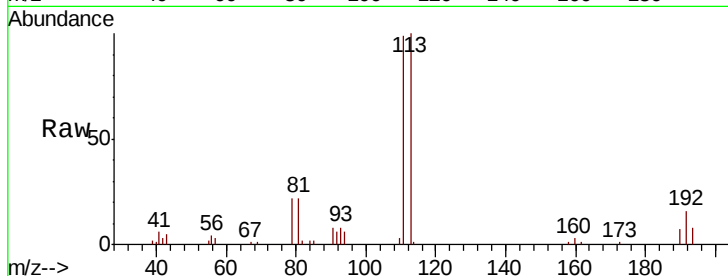
Tot Ion:113 Resp: 134668

Ion Ratio Lower Upper

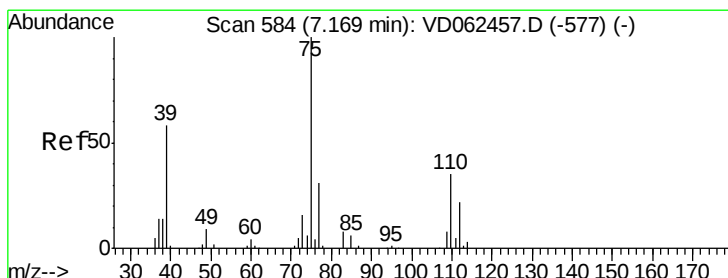
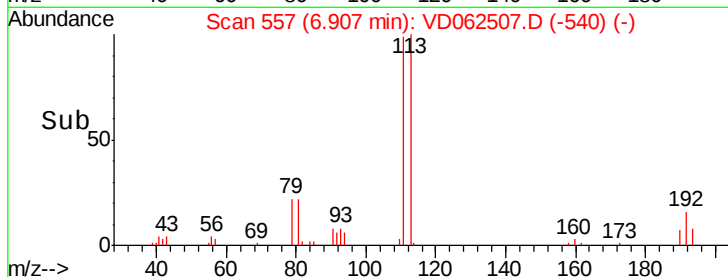
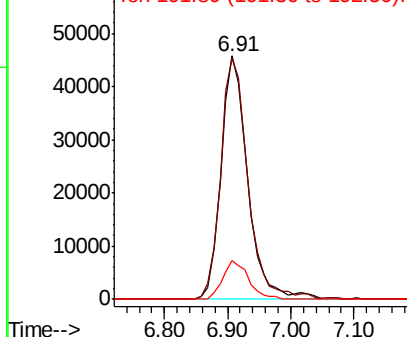
113 100

111 99.1 78.5 117.7

192 16.1 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: 6.024 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

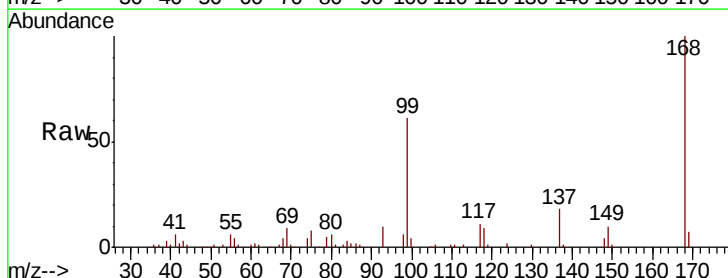
Tgt Ion: 75 Resp: 29947

Ion Ratio Lower Upper

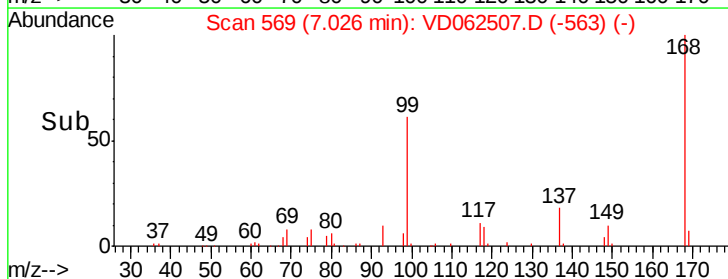
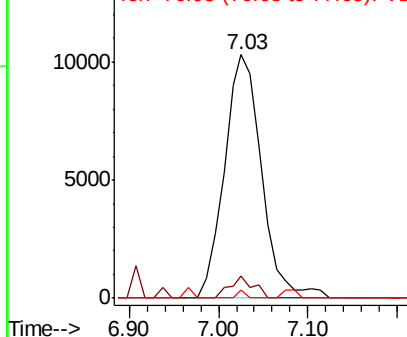
75 100

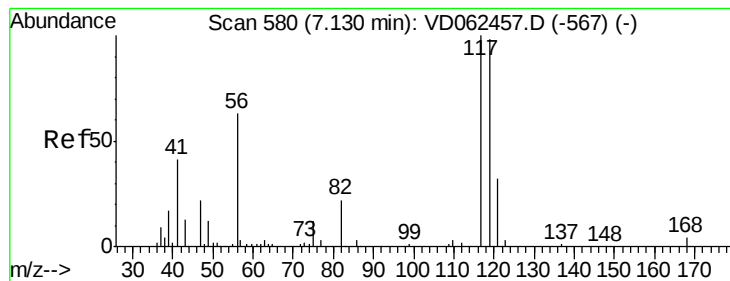
110 9.0 19.1 57.1#

77 3.4 25.6 38.4#



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





#38

Carbon Tetrachloride

Concen: 5.277 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

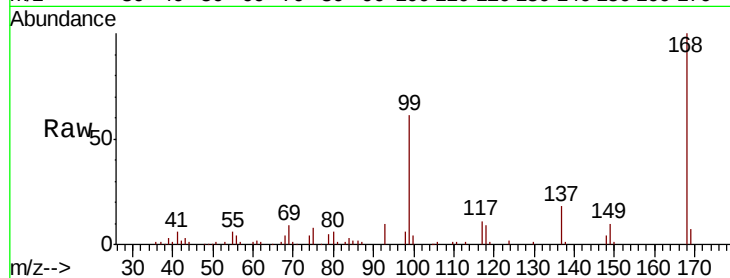
Tot Ion:117 Resp: 38989

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

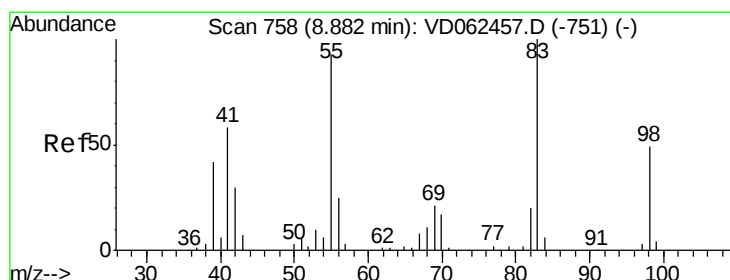
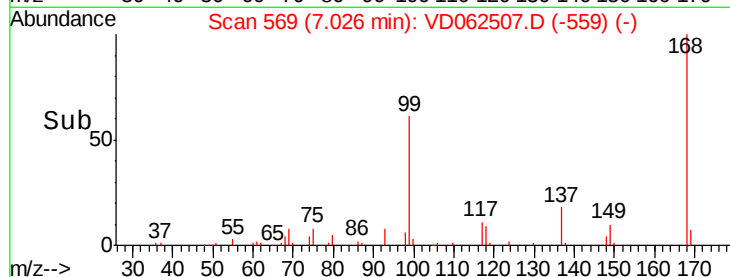
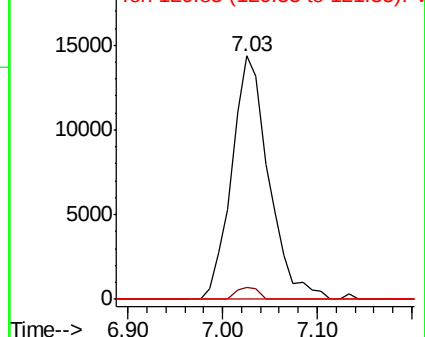
121 0.0 25.9 38.9#



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: 13.931 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

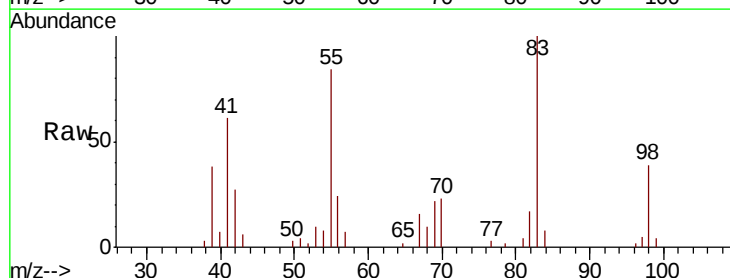
Tgt Ion: 83 Resp: 57123

Ion Ratio Lower Upper

83 100

55 83.7 68.2 102.4

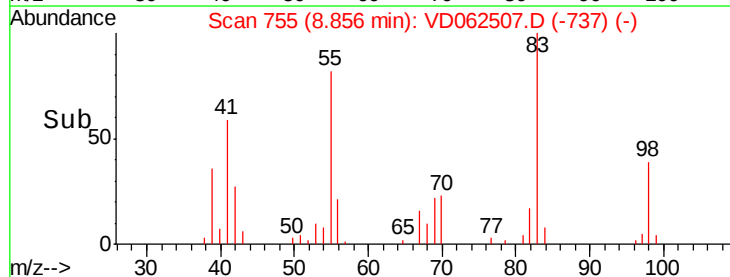
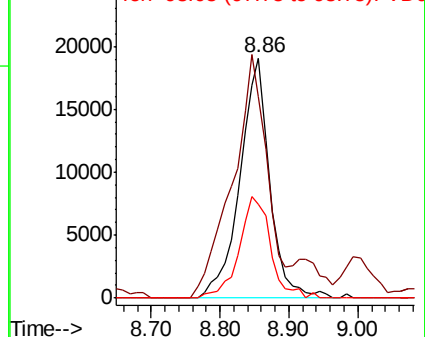
98 39.1 38.2 57.4

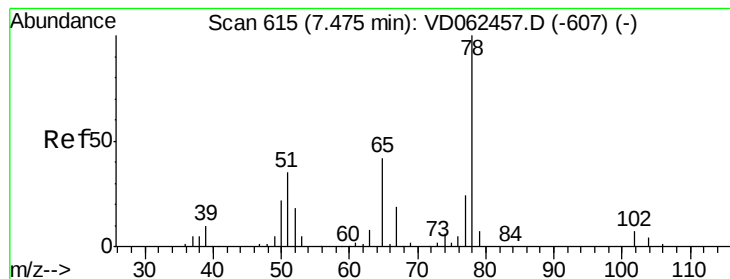


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 8.949 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.04 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

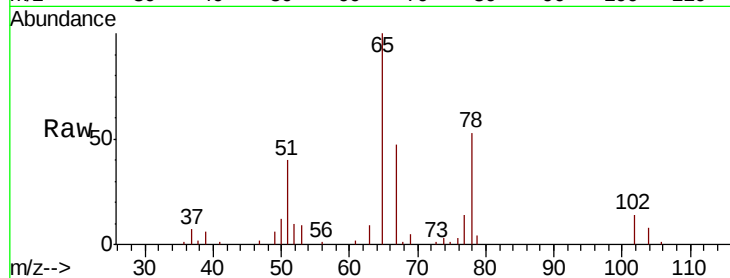
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 78 Resp: 87263

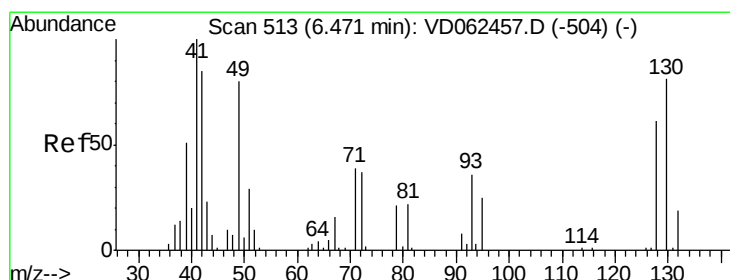
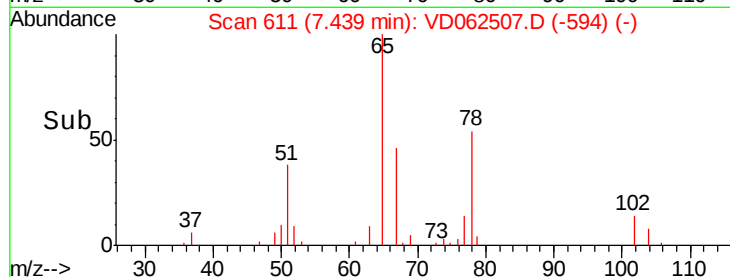
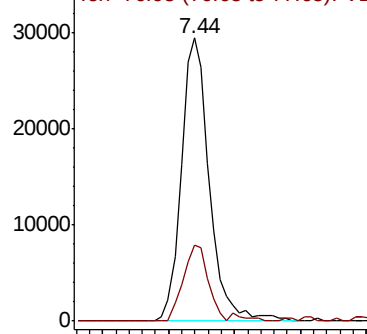
Ion Ratio Lower Upper

78 100

77 26.9 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 2.618 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Tgt Ion: 41 Resp: 6351

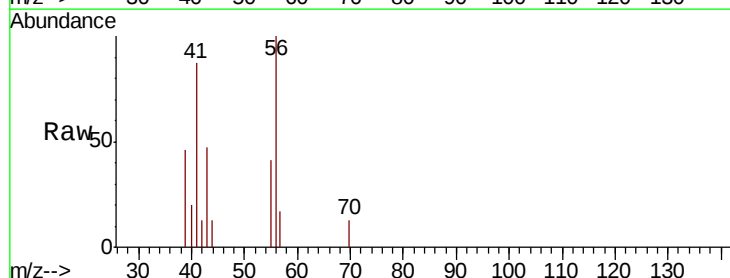
Ion Ratio Lower Upper

41 100

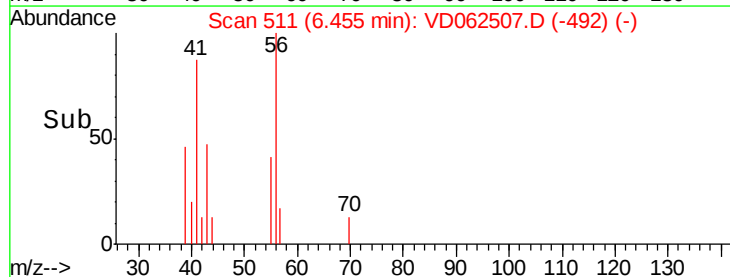
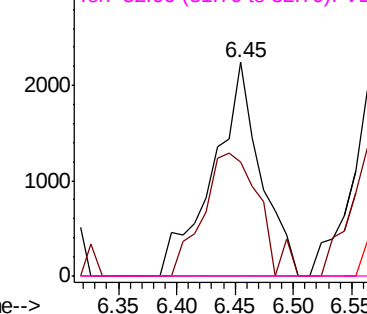
39 53.3 34.1 51.1#

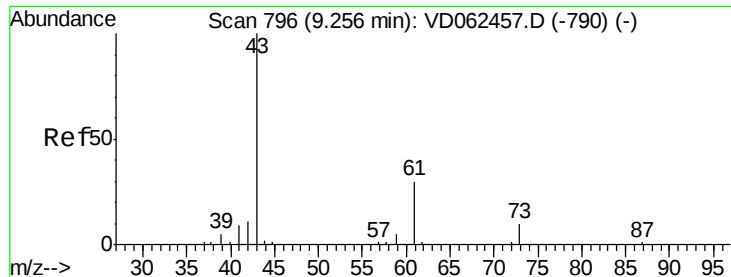
67 0.0 23.8 35.6#

52 0.0 8.8 13.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



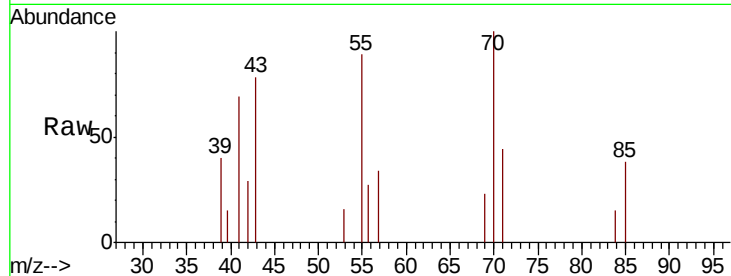


#43

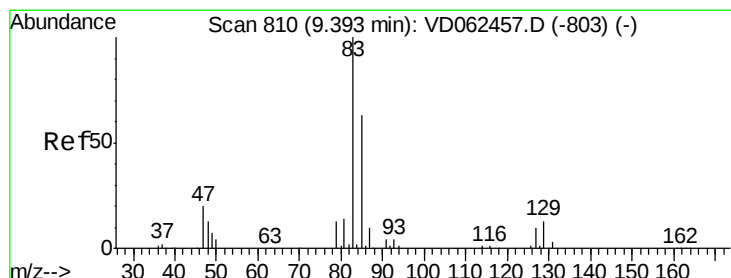
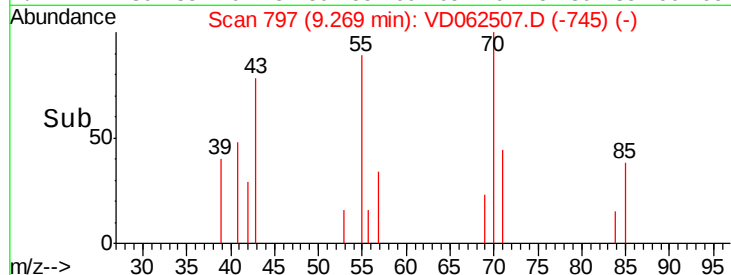
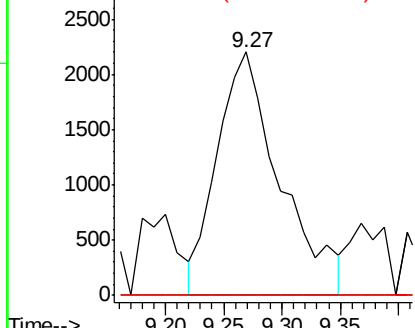
Isopropyl Acetate
 Concen: 3.206 ug/l
 RT: 9.27 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.1	37.7#
87	0.0	0.0	0.0



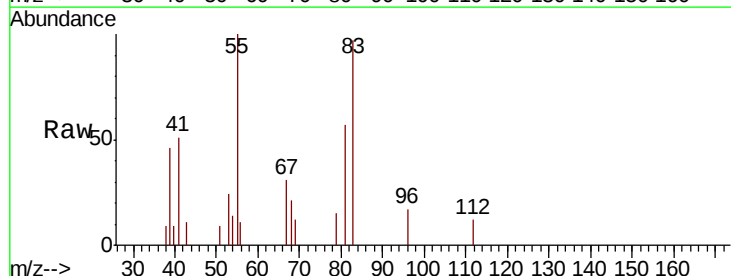
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



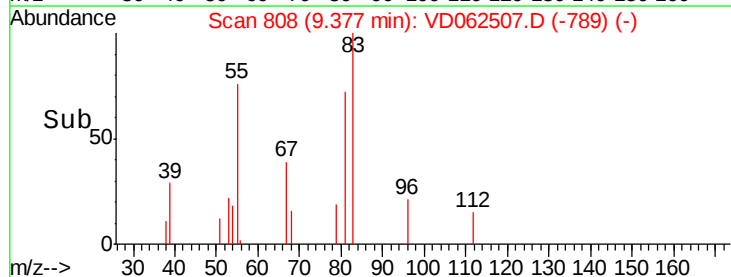
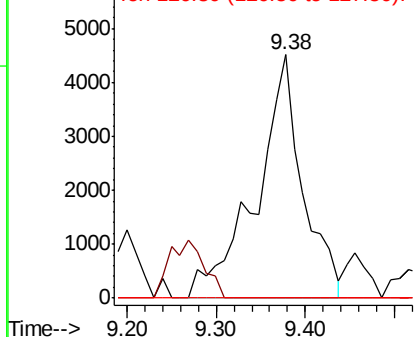
#47

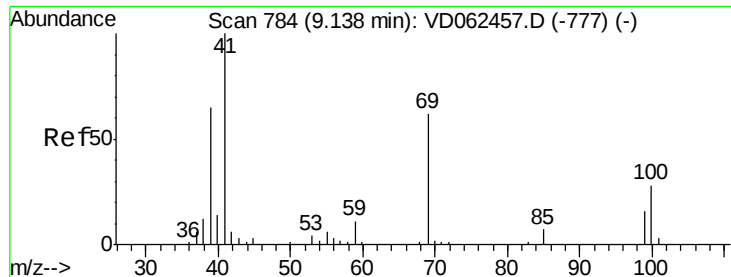
Bromodichloromethane
 Concen: 2.975 ug/l
 RT: 9.38 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.9	76.3#
127	0.0	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): V





#48

Methyl methacrylate

Concen: 10.162 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.00 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampled :

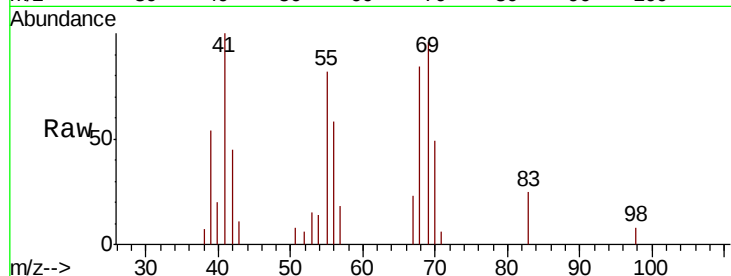
Tot Ion: 41 Resp: 17520

Ion Ratio Lower Upper

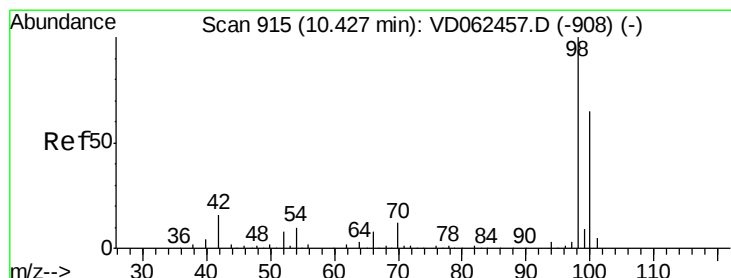
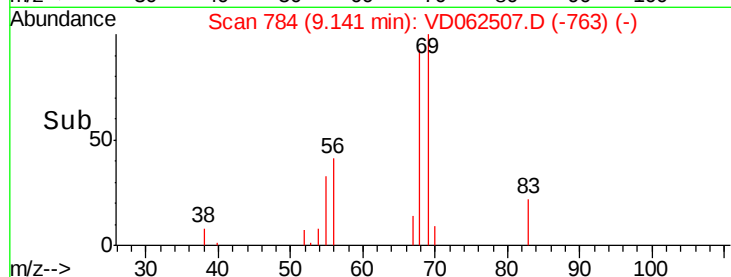
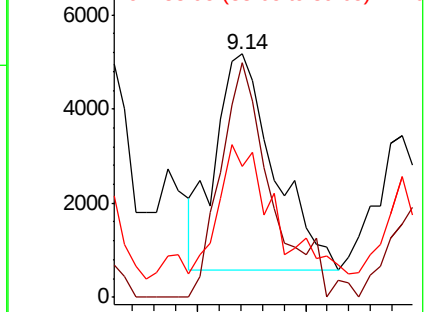
41 100

69 96.2 64.2 96.2

39 54.0 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



#50

Toluene-d8

Concen: 36.648 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.04 min

Lab File: VD062507.D

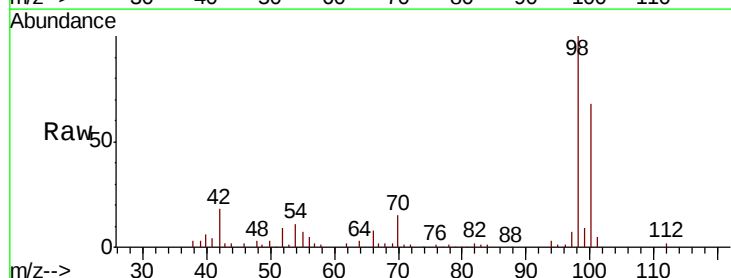
Acq: 22 May 2019 17:15

Tgt Ion: 98 Resp: 376205

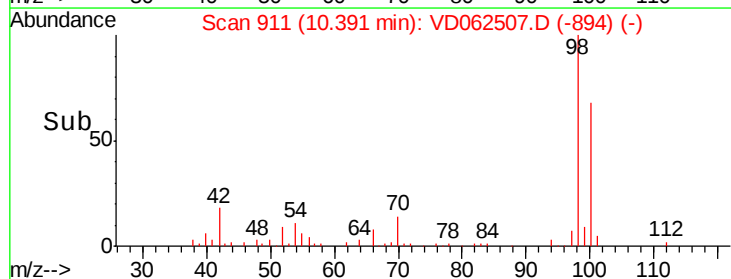
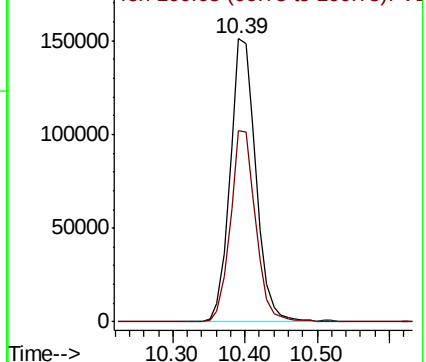
Ion Ratio Lower Upper

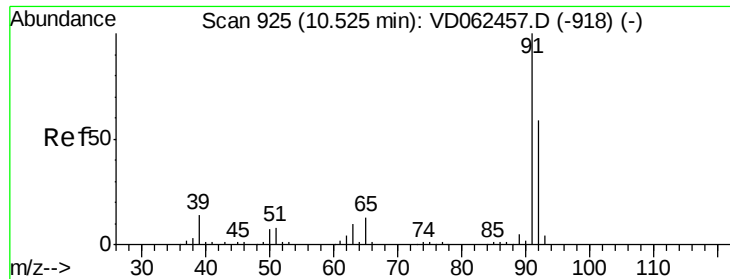
98 100

100 67.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 465.436 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

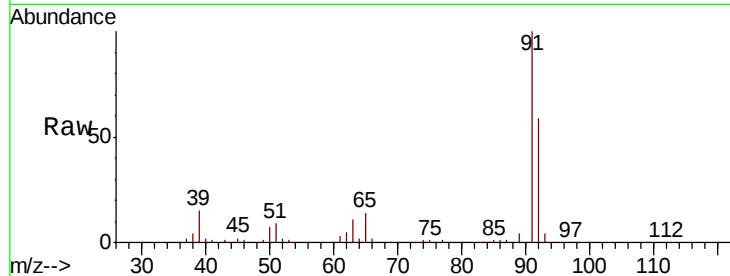
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 3107116

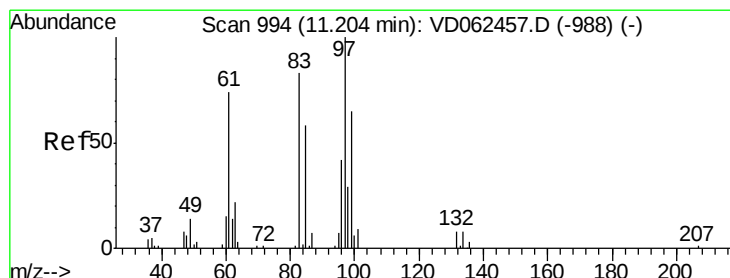
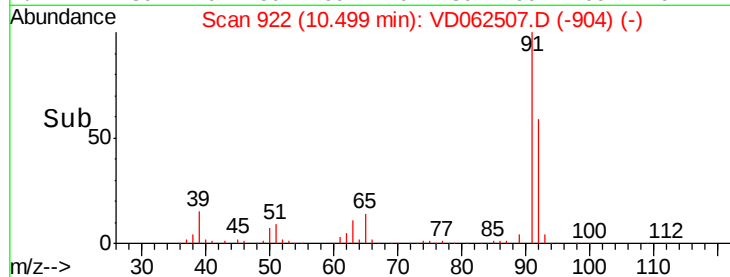
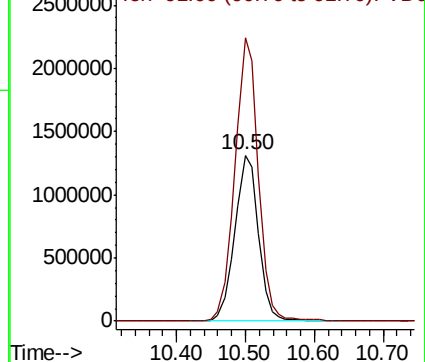
Ion Ratio Lower Upper

92 100

91 170.7 136.6 204.8



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: 11.486 ug/l

RT: 11.09 min Scan# 982

Delta R.T. -0.11 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Tgt Ion: 97 Resp: 25988

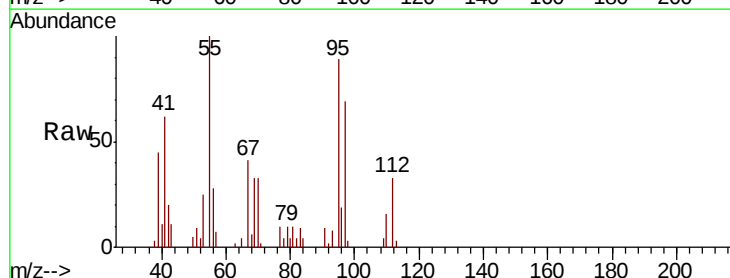
Ion Ratio Lower Upper

97 100

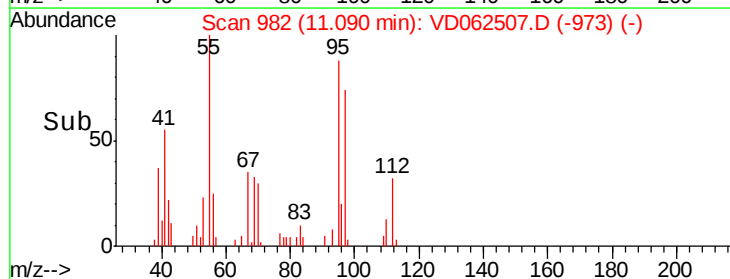
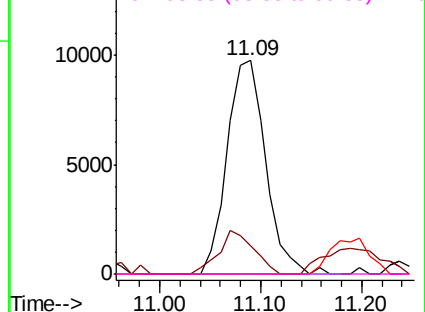
83 13.2 65.7 98.5#

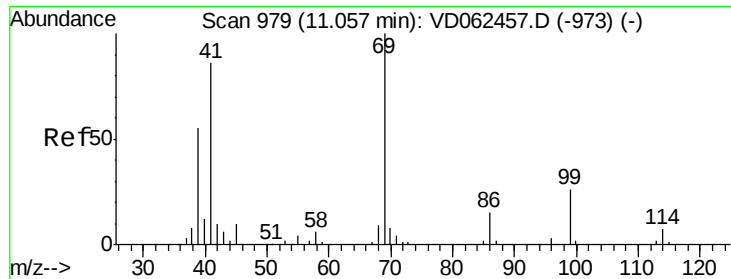
85 0.0 45.6 68.4#

99 0.0 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: 6.239 ug/l

RT: 11.08 min Scan# 981

Delta R.T. 0.02 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampled :

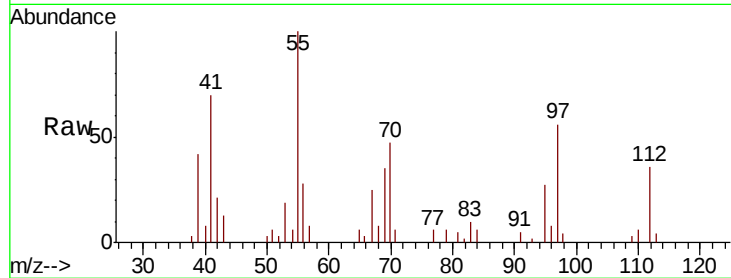
Tot Ion: 69 Resp: 15091

Ion Ratio Lower Upper

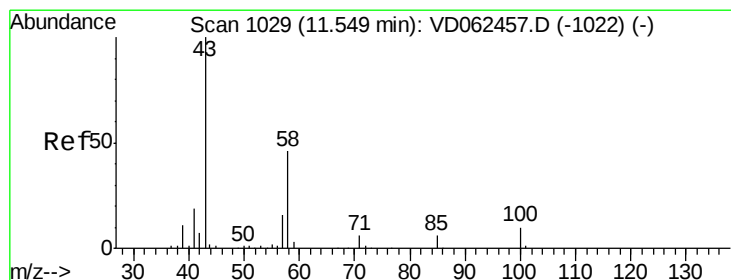
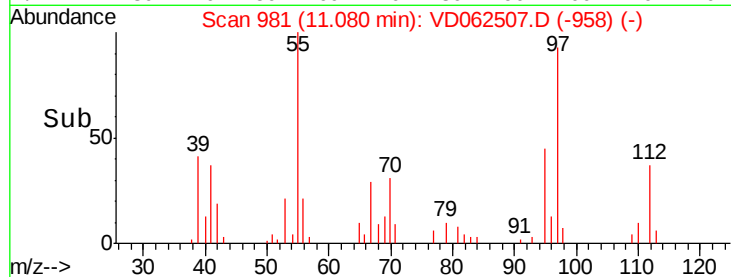
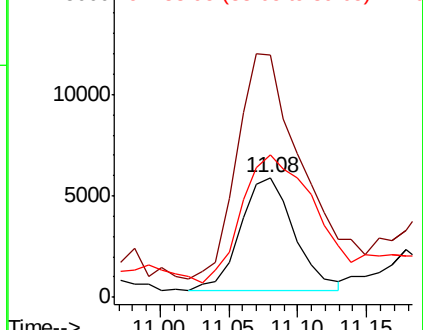
69 100

41 202.1 56.3 84.5#

39 119.2 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



#59

2-Hexanone

Concen: 23.897 ug/l

RT: 11.47 min Scan# 1021

Delta R.T. -0.08 min

Lab File: VD062507.D

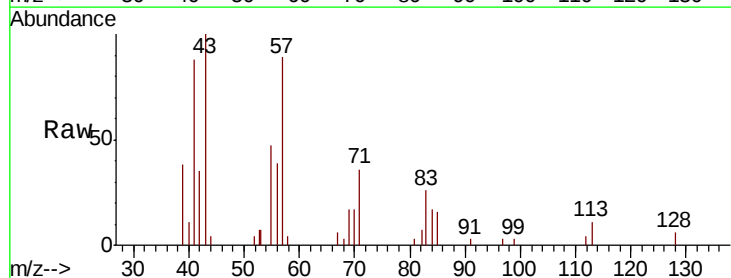
Acq: 22 May 2019 17:15

Tgt Ion: 43 Resp: 29396

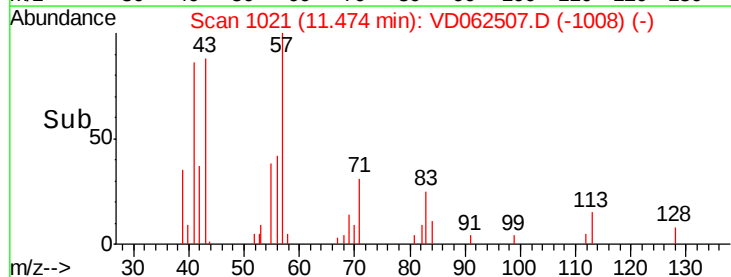
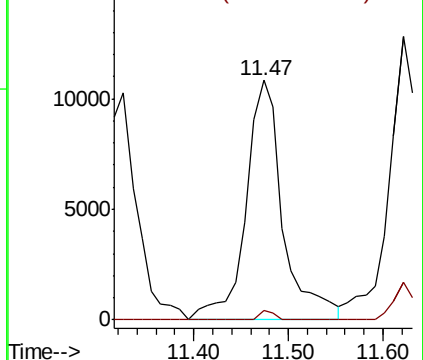
Ion Ratio Lower Upper

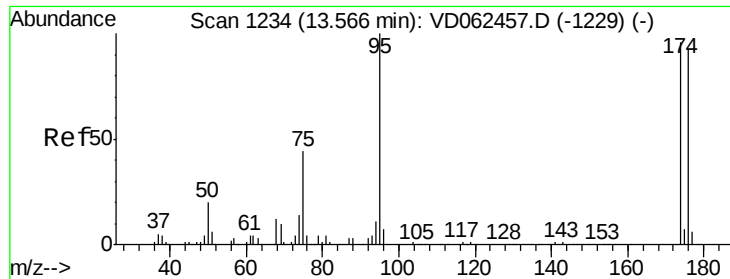
43 100

58 3.7 25.4 76.4#



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

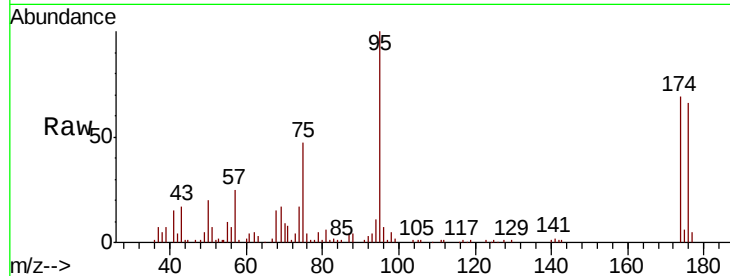




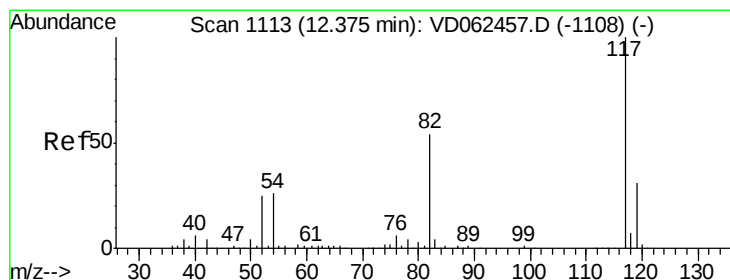
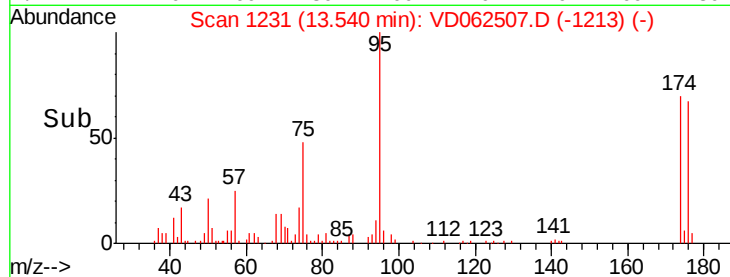
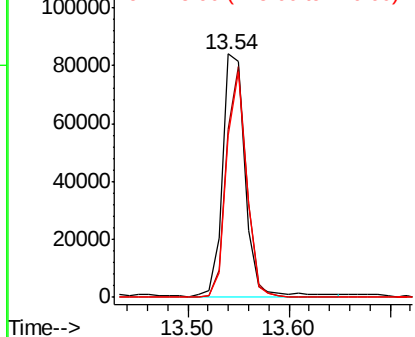
#62
4-Bromofluorobenzene
Concen: 29.708 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 133402
Ion Ratio Lower Upper
95 100
174 69.0 0.0 181.8
176 66.3 0.0 174.4

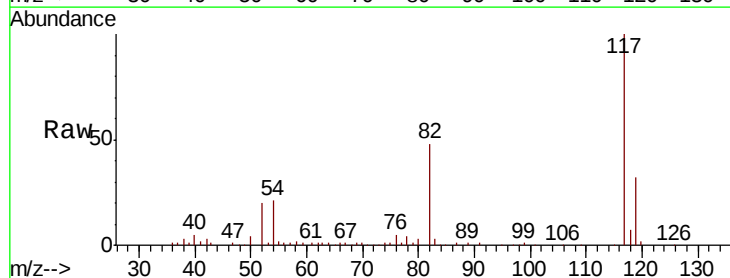


Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

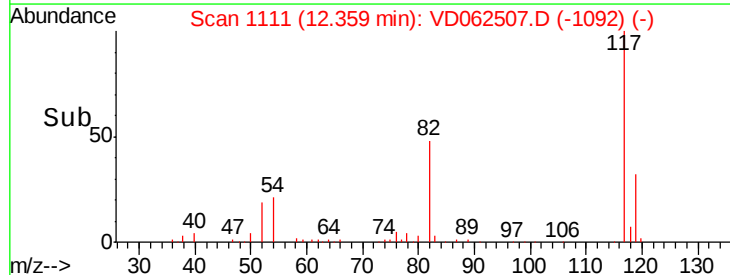
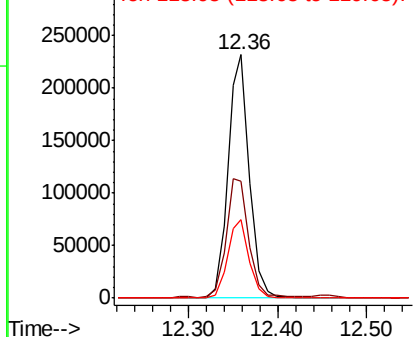


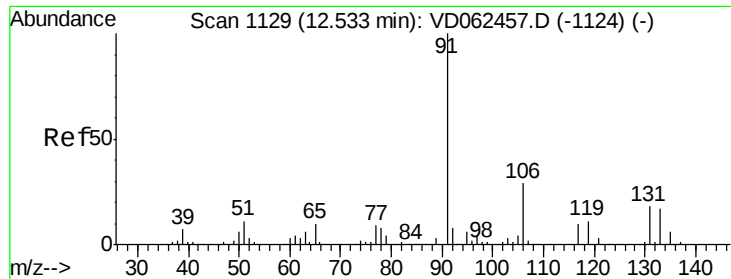
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion: 117 Resp: 389684
Ion Ratio Lower Upper
117 100
82 48.0 36.2 54.2
119 32.4 26.2 39.4



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

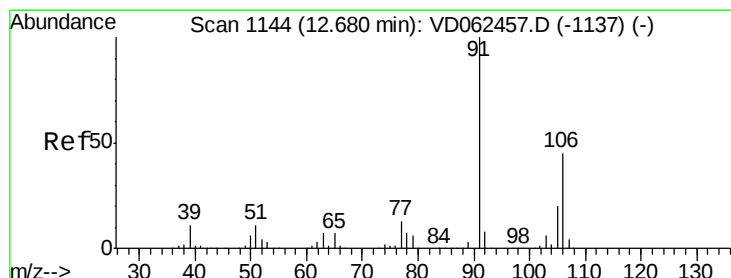
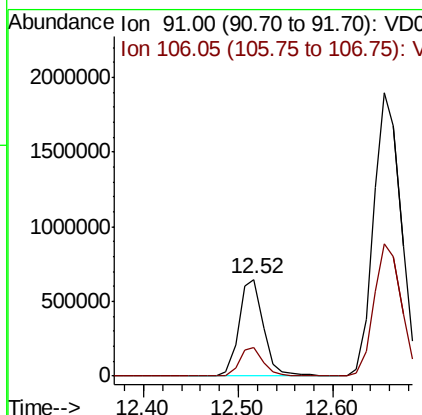
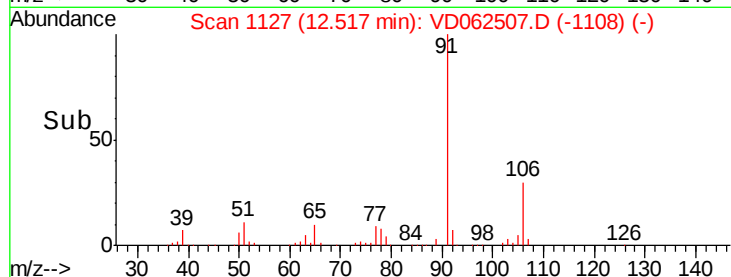
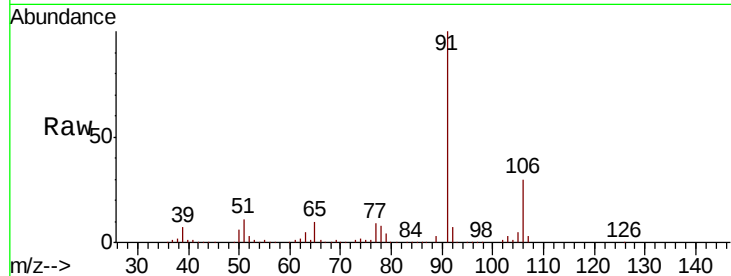




#67
Ethyl Benzene
Concen: 89.444 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

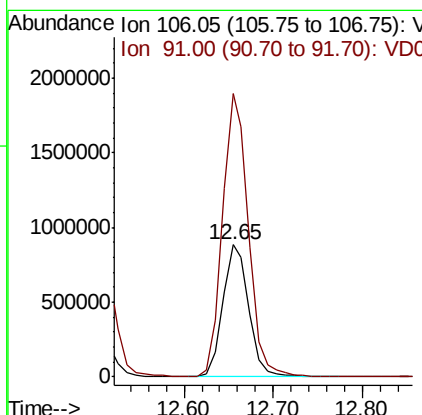
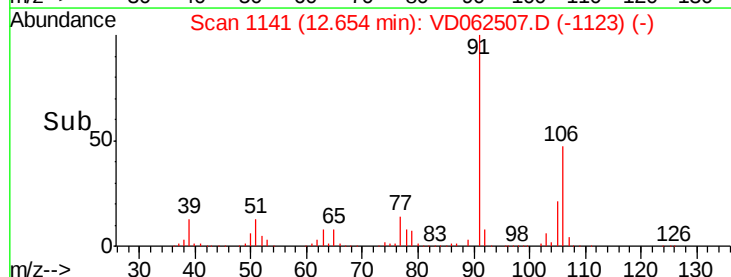
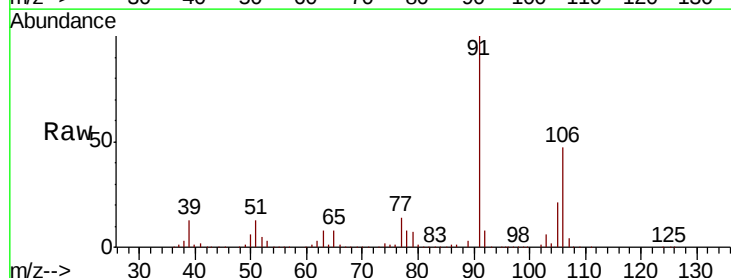
Instrument :
MSVOA_D
ClientSampled :

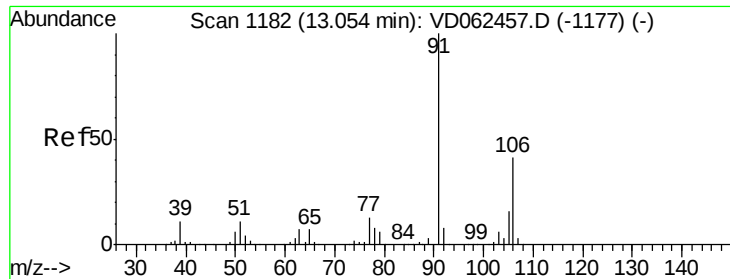
Tot Ion: 91 Resp: 1154510
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 387.864 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion:106 Resp: 1797094
Ion Ratio Lower Upper
106 100
91 214.5 164.0 246.0

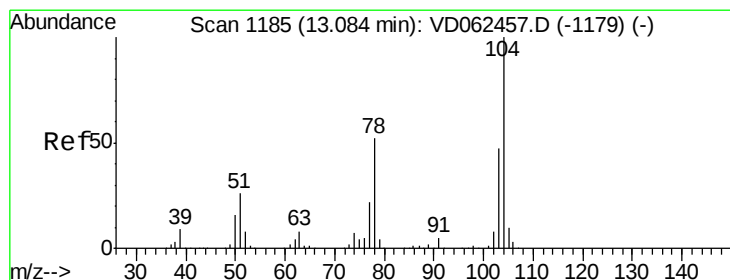
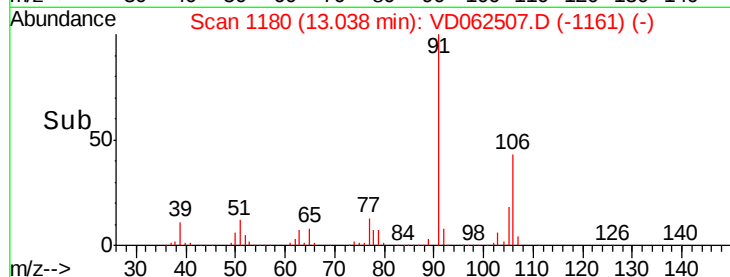
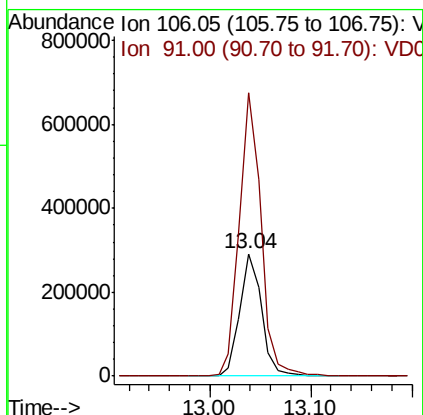
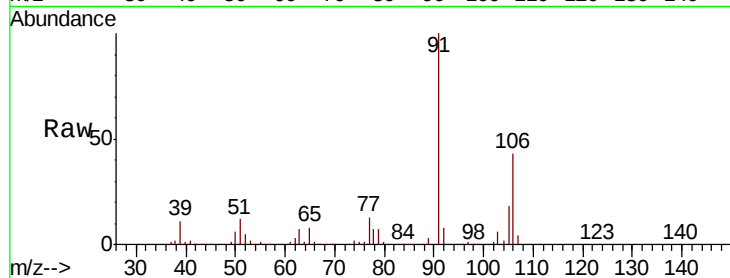




#69
o-Xylene
Concen: 100.167 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

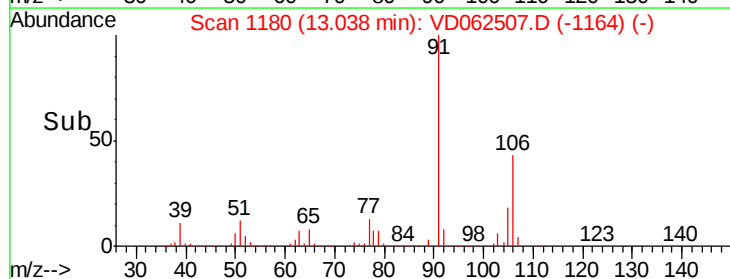
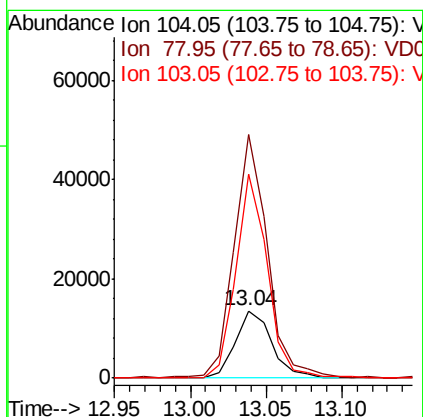
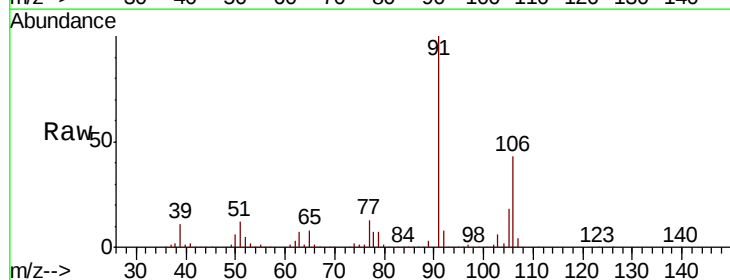
Instrument :
MSVOA_D
ClientSampleID :

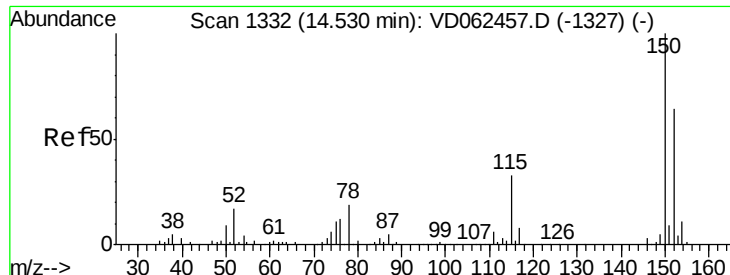
Tot Ion:106 Resp: 437896
Ion Ratio Lower Upper
106 100
91 231.6 106.7 319.9



#70
Styrene
Concen: 3.020 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.05 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion:104 Resp: 22458
Ion Ratio Lower Upper
104 100
78 361.8 35.4 53.2#
103 302.7 37.5 56.3#



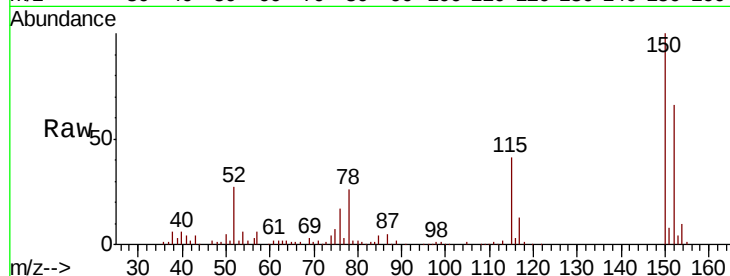


#72

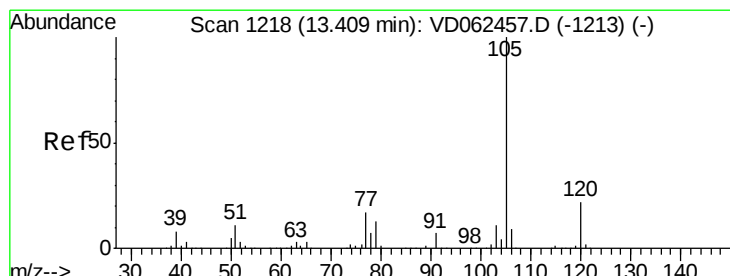
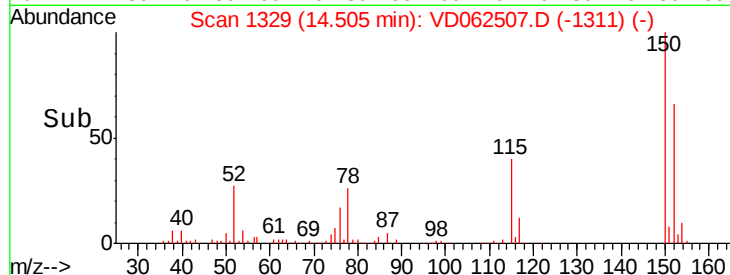
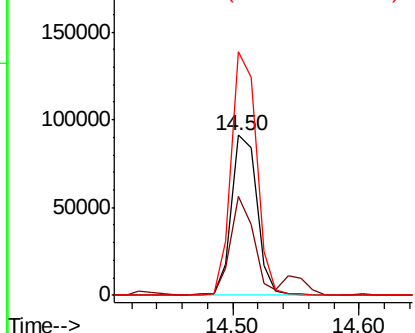
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.9	92.7
150	151.9	0.0	314.8



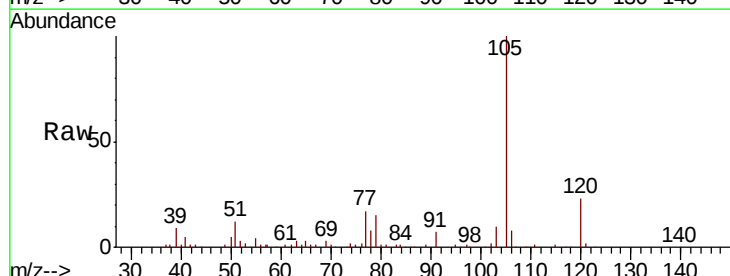
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



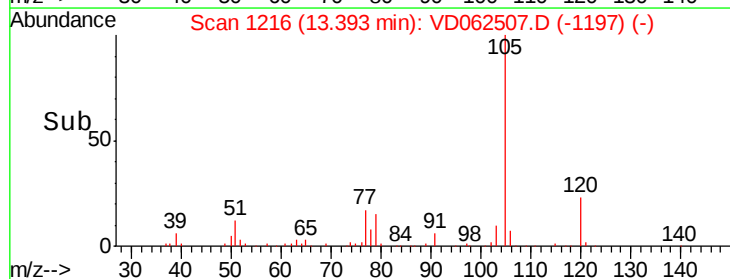
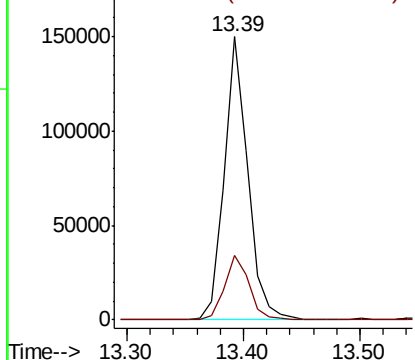
#73

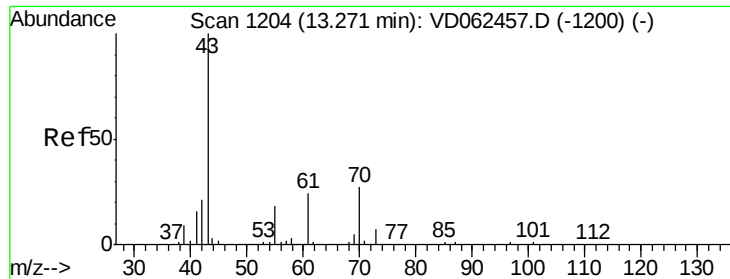
Isopropylbenzene
Concen: 26.262 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.7	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-amvl acetate

Concen: 5.457 ug/l

RT: 13.29 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 10769

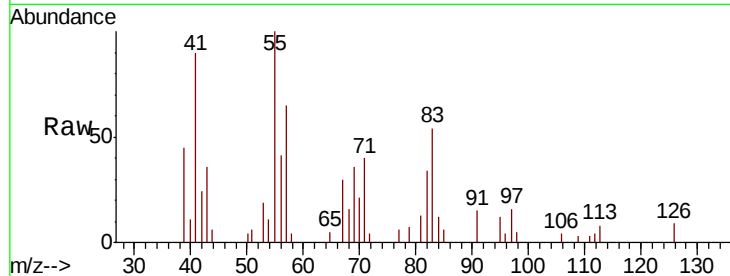
Ion Ratio Lower Upper

43 100

70 59.2 24.2 36.4#

55 275.9 16.0 24.0#

61 0.0 21.6 32.4#

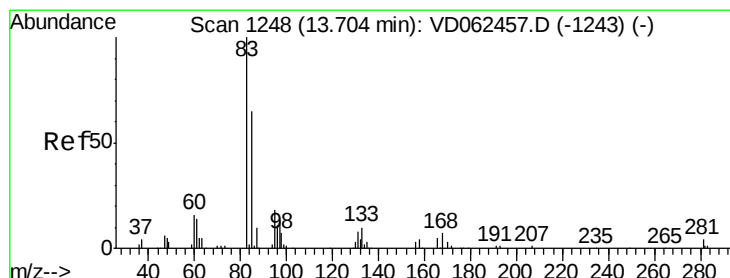
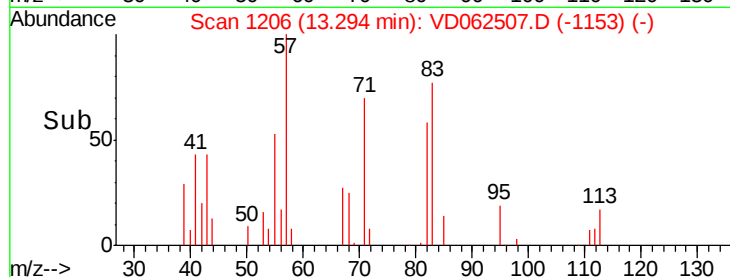
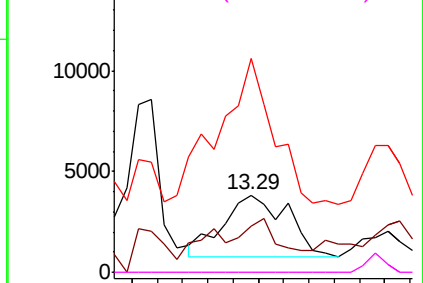


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 2.192 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.05 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

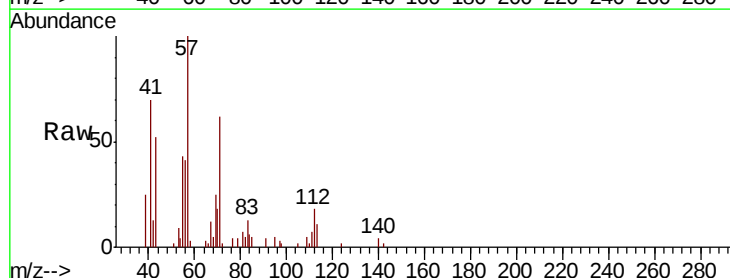
Tgt Ion: 83 Resp: 3159

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

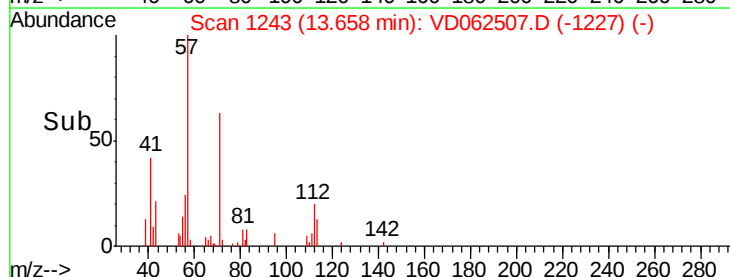
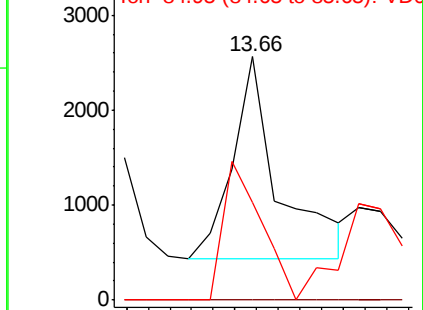
85 40.0 32.6 97.7

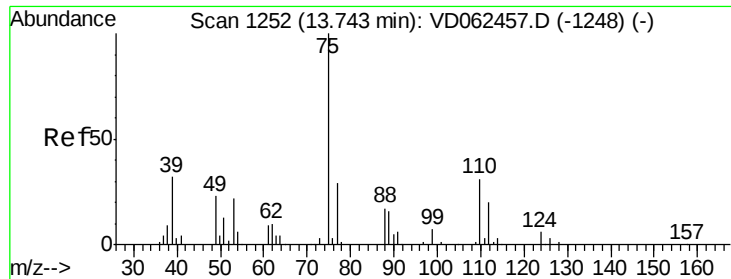


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

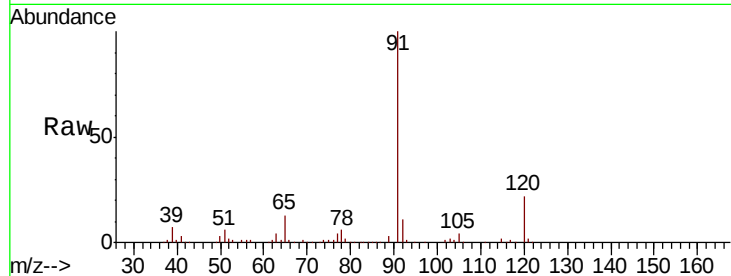




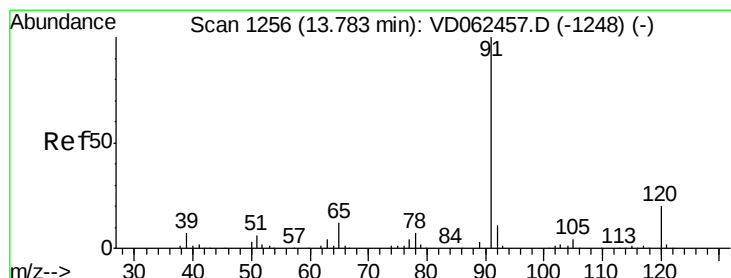
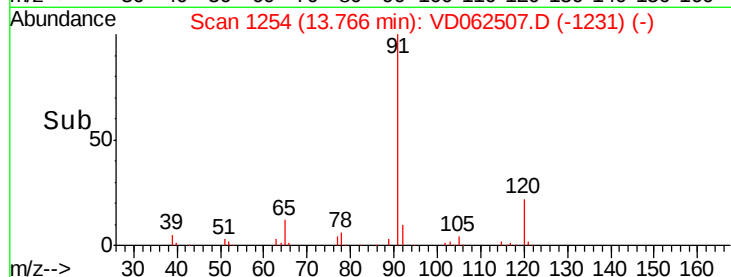
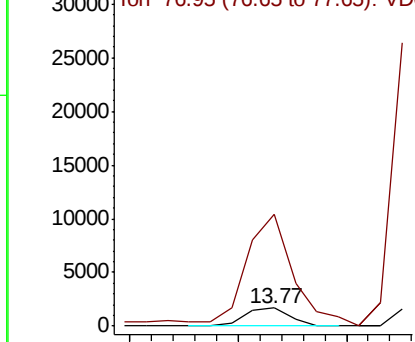
#76
 1,2,3-Trichloropropane
 Concen: 1.600 ug/l
 RT: 13.77 min Scan# 1254
 Delta R.T. 0.02 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 2389
 Ion Ratio Lower Upper
 75 100
 77 616.1 16.4 49.4#

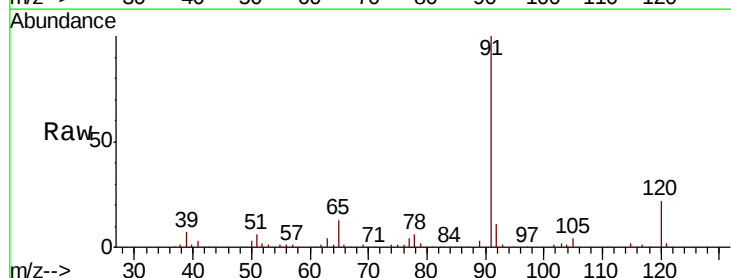


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

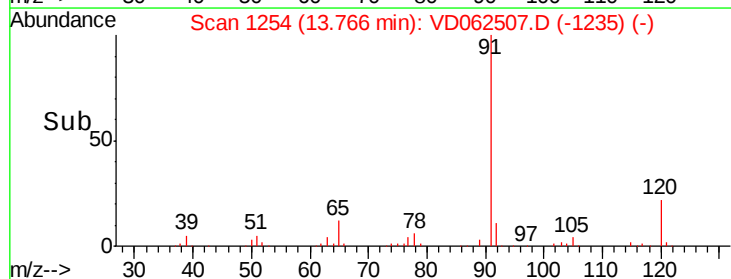
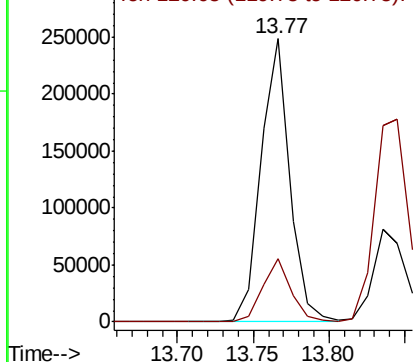


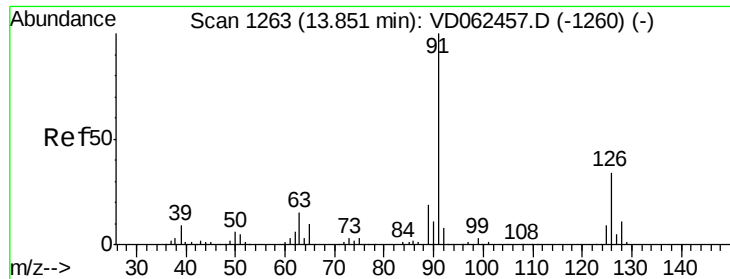
#78
 n-propylbenzene
 Concen: 35.333 ug/l
 RT: 13.77 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Tgt Ion: 91 Resp: 327007
 Ion Ratio Lower Upper
 91 100
 120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 120.05 (119.75 to 120.75): V

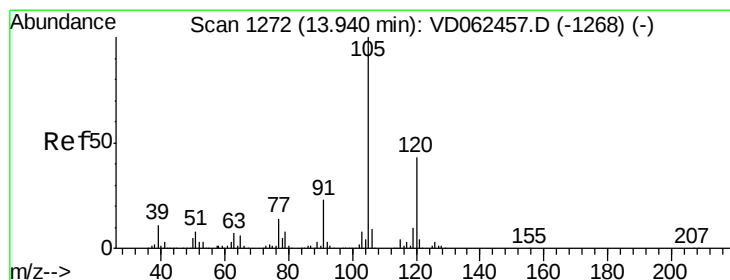
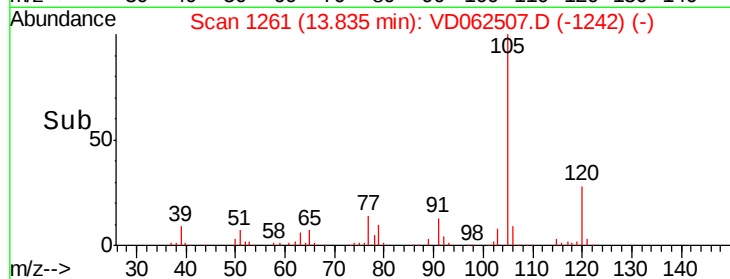
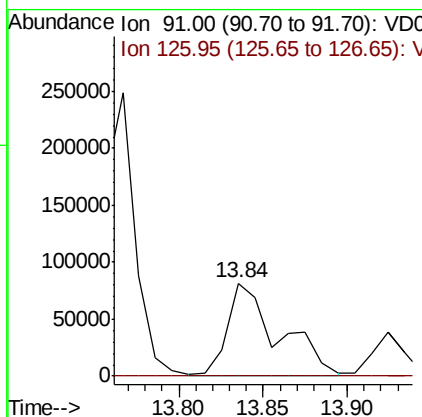
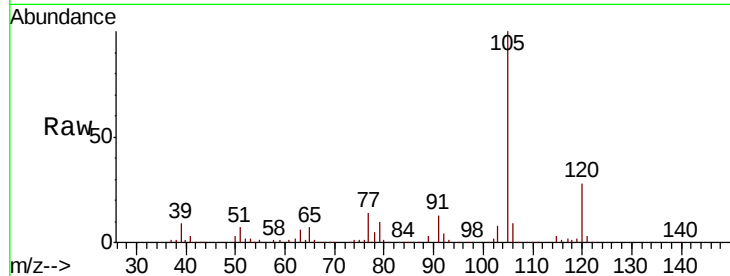




#79
 2-Chlorotoluene
 Concen: 30.064 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

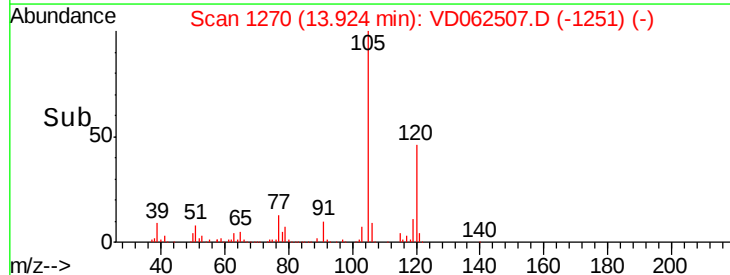
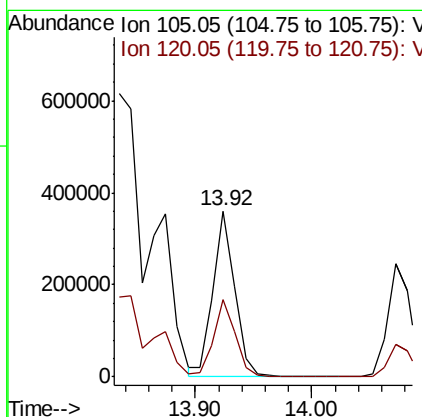
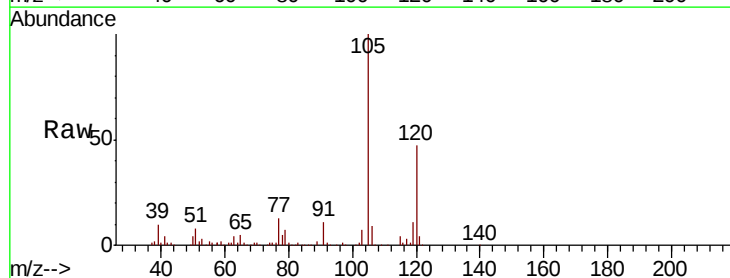
Instrument :
 MSVOA_D
 ClientSampleId :

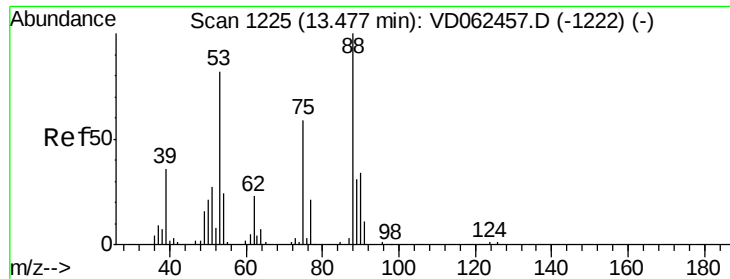
Tot Ion: 91 Resp: 168859
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.6 55.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 67.366 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Tgt Ion:105 Resp: 466051
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.0 72.0

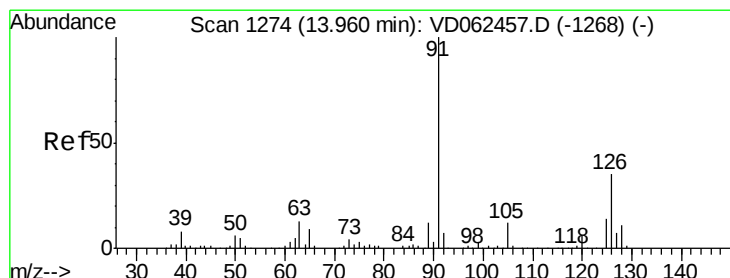
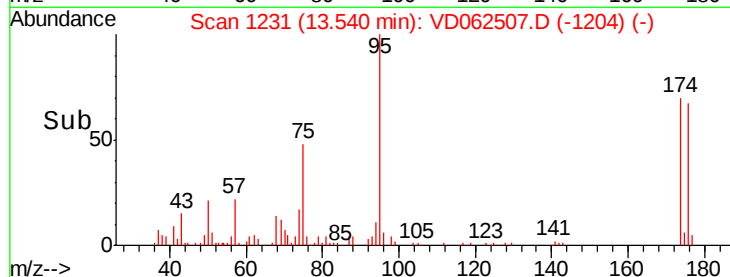
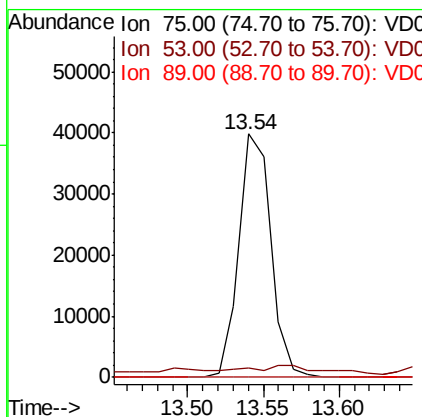
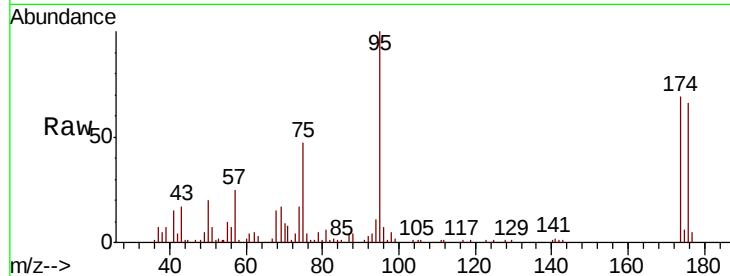




#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.036 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.06 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

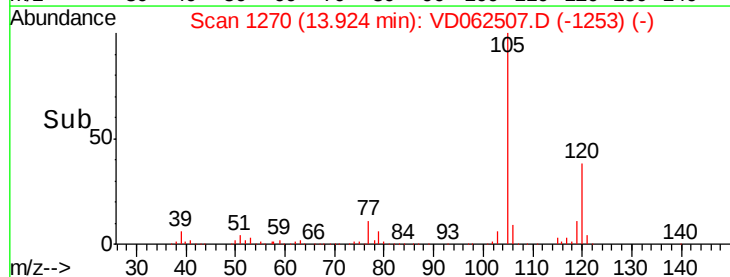
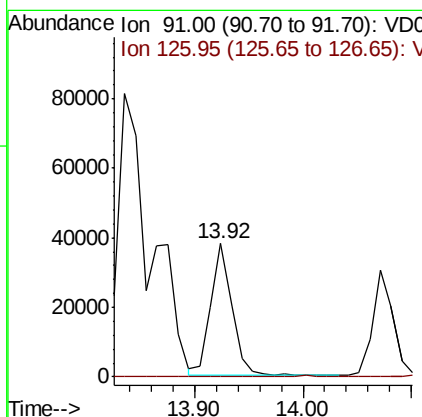
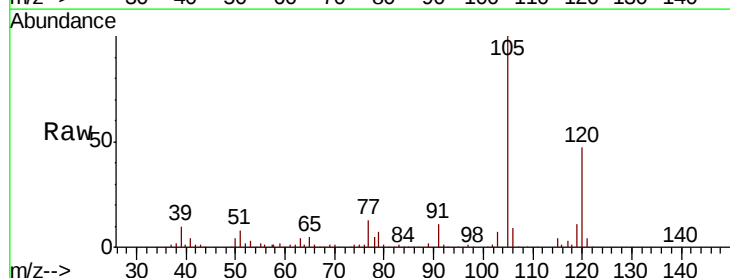
Instrument :
 MSVOA_D
 ClientSampleId :

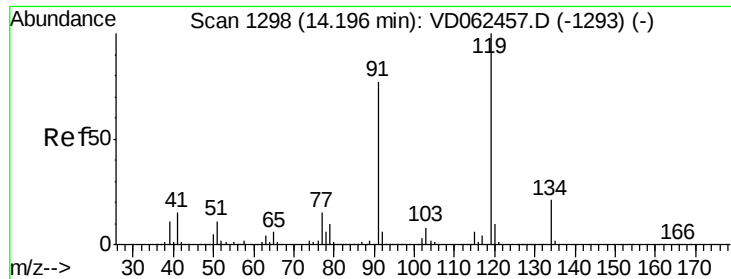
Tot Ion: 75 Resp: 58546
 Ion Ratio Lower Upper
 75 100
 53 5.7 65.8 98.8#
 89 0.0 35.0 52.6#



#82
 4-Chlorotoluene
 Concen: 7.942 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.04 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Tgt Ion: 91 Resp: 51369
 Ion Ratio Lower Upper
 91 100
 126 0.0 19.1 57.5#

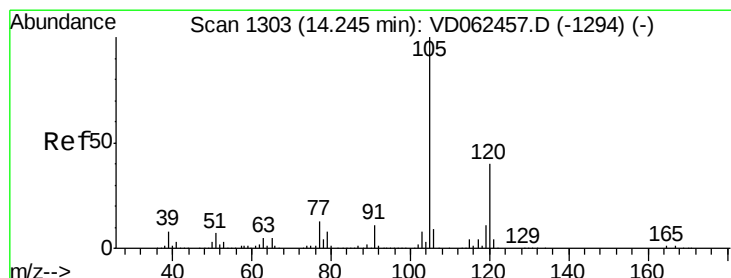
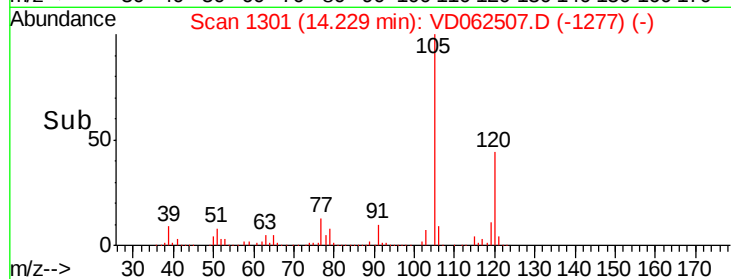
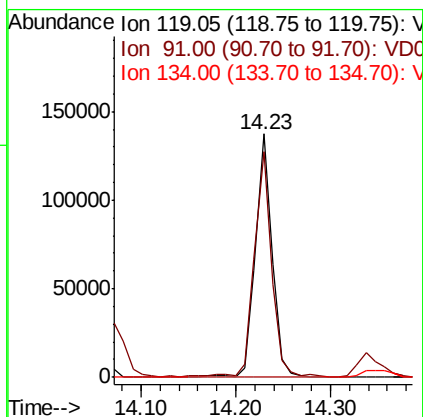
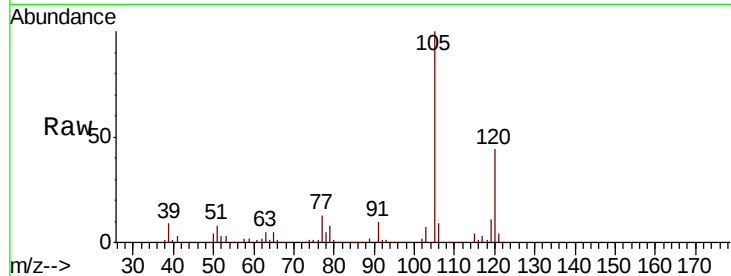




#83
tert-Butylbenzene
Concen: 21.842 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

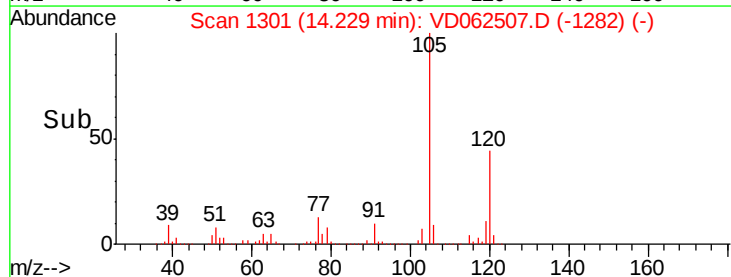
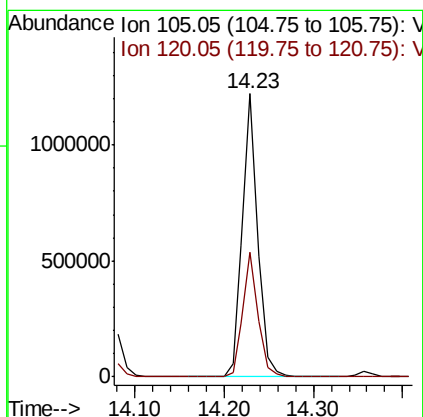
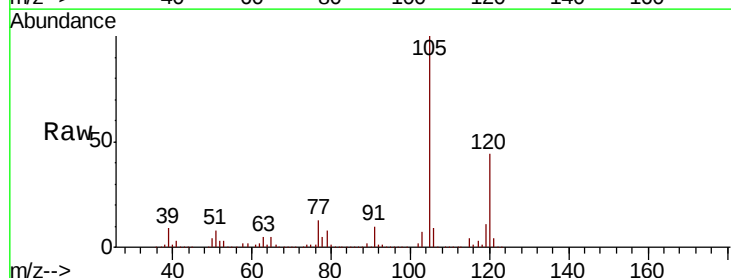
Instrument :
MSVOA_D
ClientSampleId :

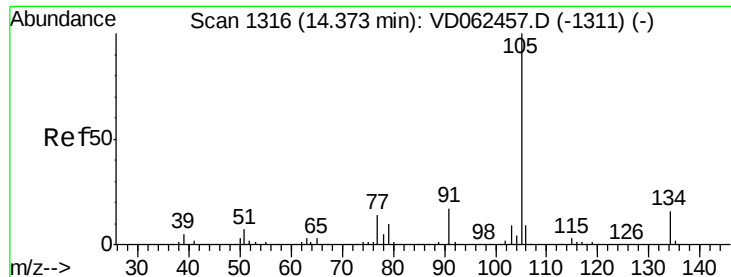
Tot Ion:119 Resp: 167610
Ion Ratio Lower Upper
119 100
91 92.9 34.2 102.6
134 0.0 12.0 36.0#



#84
1,2,4-Trimethylbenzene
Concen: 206.480 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion:105 Resp: 1463713
Ion Ratio Lower Upper
105 100
120 44.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 182.276 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.14 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

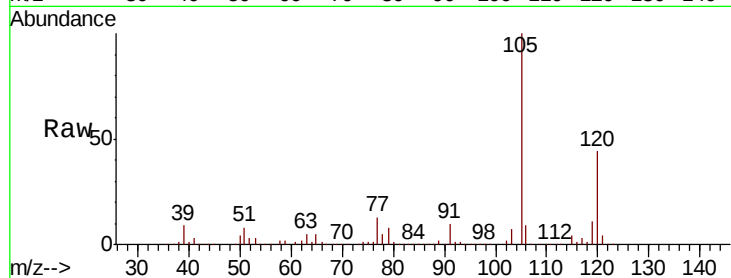
ClientSampled :

Tot Ion:105 Resp: 1458513

Ion Ratio Lower Upper

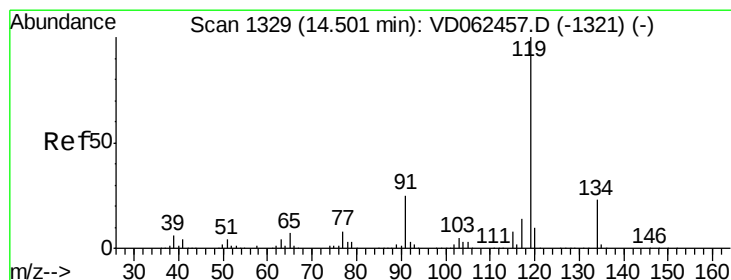
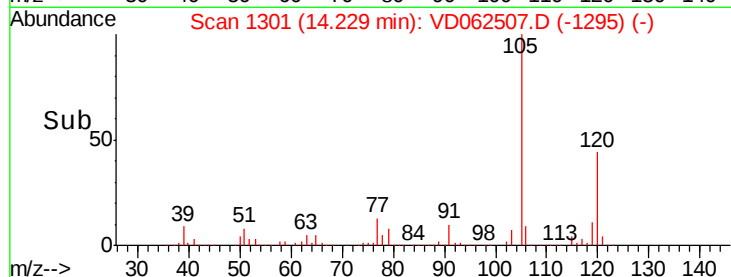
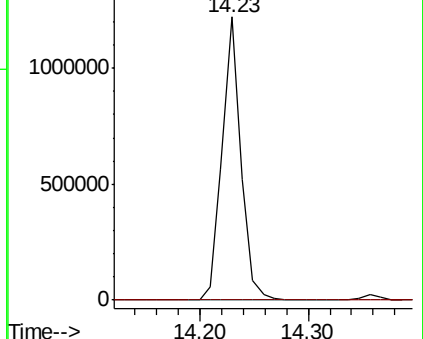
105 100

134 0.0 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: 5.044 ug/l

RT: 14.43 min Scan# 1321

Delta R.T. -0.08 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

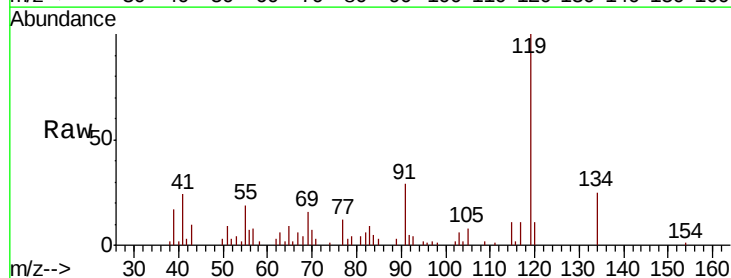
Tgt Ion:119 Resp: 36578

Ion Ratio Lower Upper

119 100

134 24.8 12.8 38.3

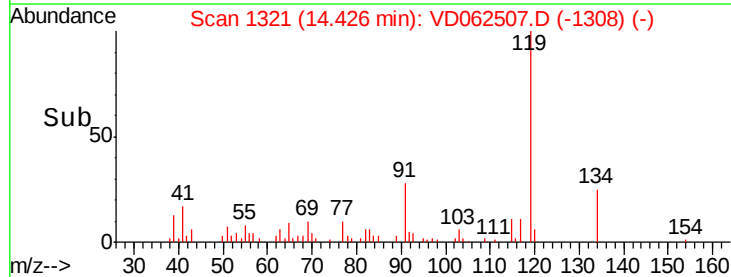
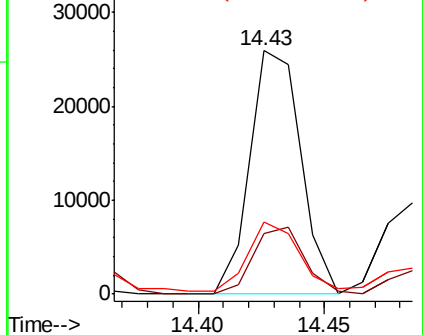
91 29.4 10.7 32.1

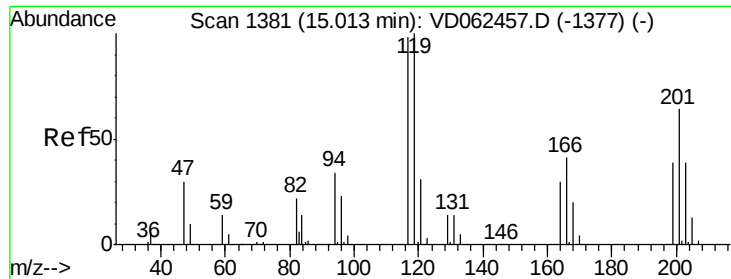


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 13.276 ug/l

RT: 15.05 min Scan# 1384

Delta R.T. 0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

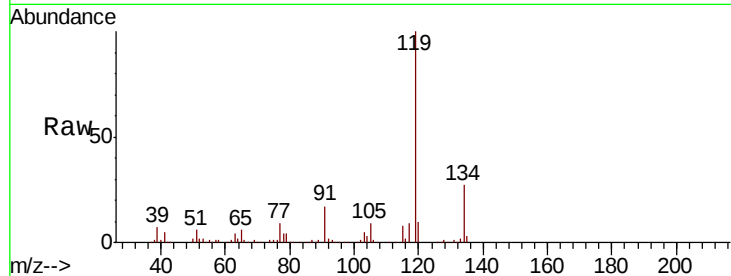
ClientSampled :

Tot Ion:117 Resp: 26606

Ion Ratio Lower Upper

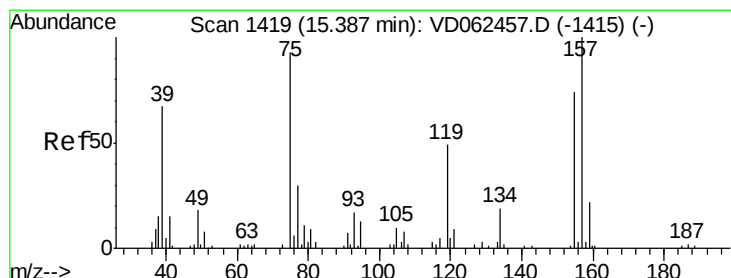
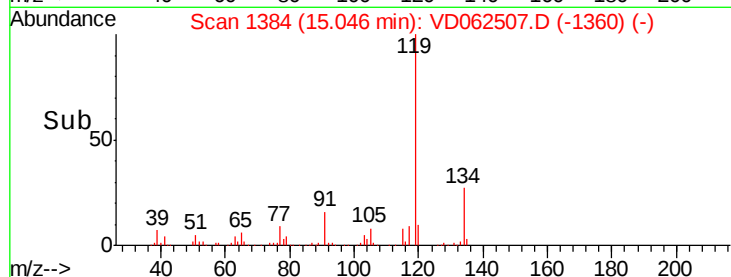
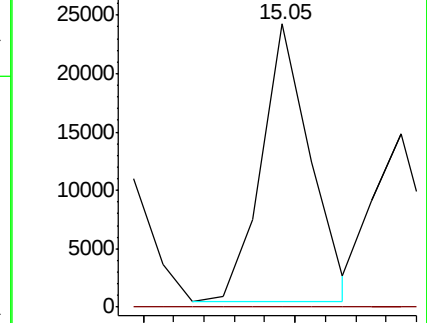
117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.825 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

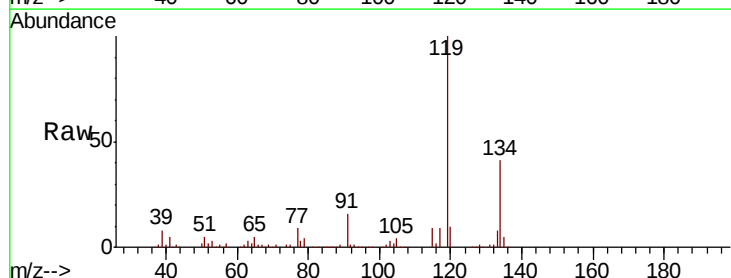
Tgt Ion: 75 Resp: 2141

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

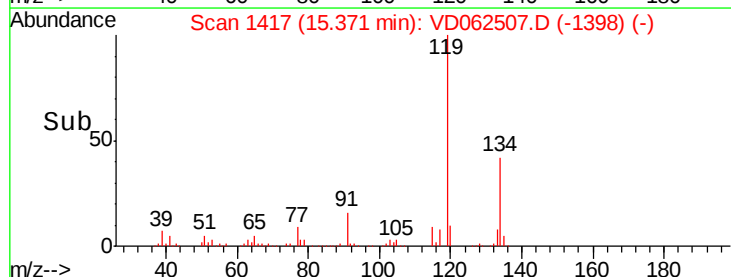
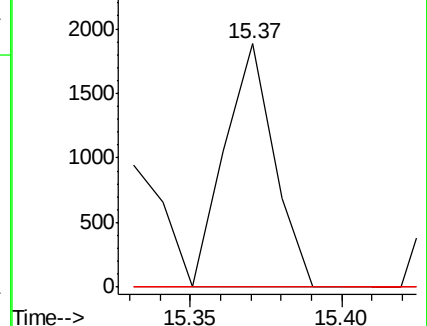
157 0.0 67.8 203.2#

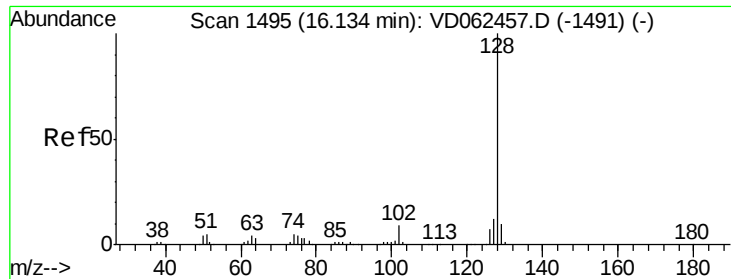


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

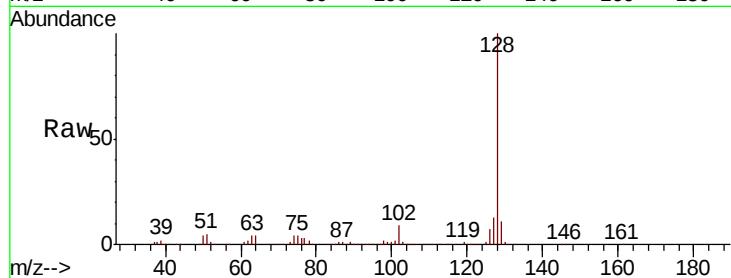




#95
Naphthalene
Concen: 198.132 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.8	14.8
129	11.1	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

