

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062495.D
 Acq On : 21 May 2019 21:35
 Operator : VA/AP
 Sample : K2971-04RE
 Misc : 4.88g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:46:45 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	7.04	168	482837	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	641914	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	520225	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	241629	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	182915	35.39	ug/l	-0.03
Spiked Amount			Recovery	=	70.78%	
35) Dibromofluoromethane	6.91	113	222641	38.45	ug/l	-0.04
Spiked Amount			Recovery	=	76.90%	
50) Toluene-d8	10.40	98	415744	32.81	ug/l	-0.03
Spiked Amount			Recovery	=	65.62%	
62) 4-Bromofluorobenzene	13.55	95	191928	34.62	ug/l	-0.02
Spiked Amount			Recovery	=	69.24%	

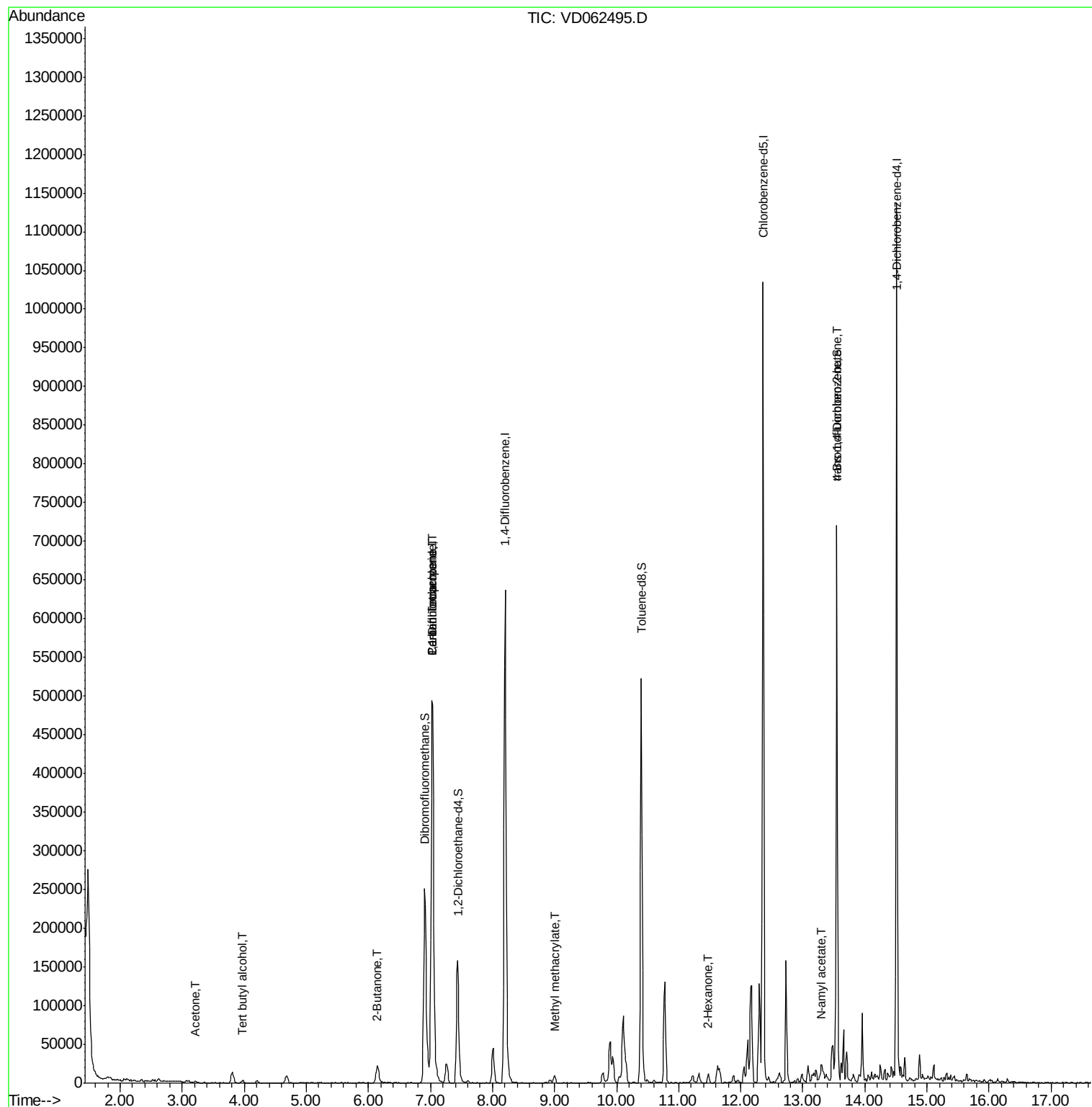
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	2882	12.080	ug/l #	76
16) Acetone	3.21	43	4200	4.535	ug/l #	50
20) Methylene Chloride	3.81	84	8305	Below Cal		93
25) 2-Butanone	6.15	43	1477	1.525	ug/l #	56
36) 1,1-Dichloropropene	7.03	75	40137	6.540	ug/l #	46
38) Carbon Tetrachloride	7.04	117	52218	5.725	ug/l #	12
48) Methyl methacrylate	9.00	41	4599	2.161	ug/l #	35
59) 2-Hexanone	11.47	43	5238	3.449	ug/l #	27
74) N-amyl acetate	13.29	43	3949	1.050	ug/l #	3
81) trans-1,4-Dichloro-2-buten	13.55	75	85598	106.640	ug/l #	17

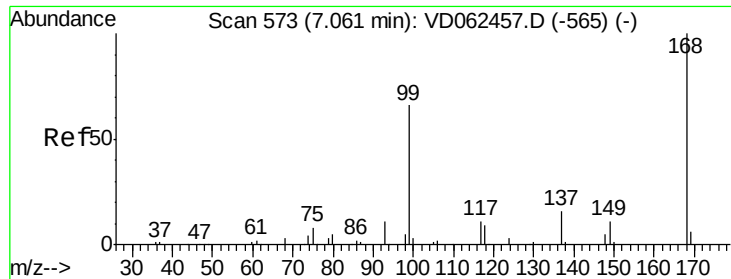
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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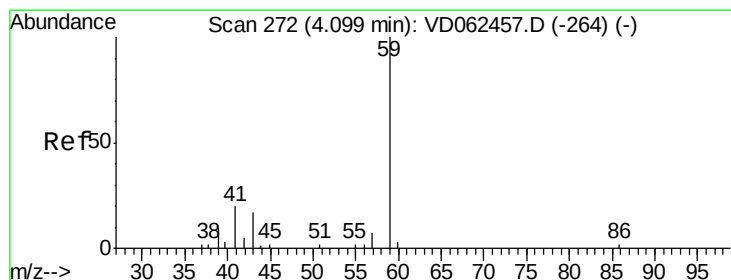
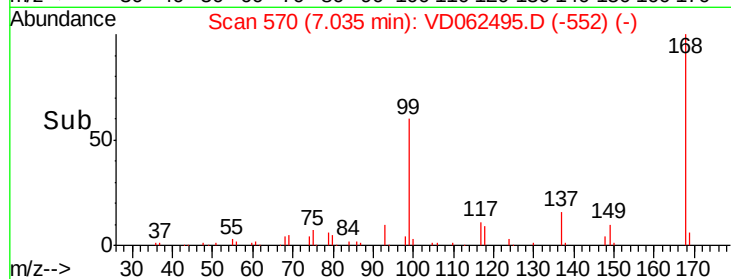
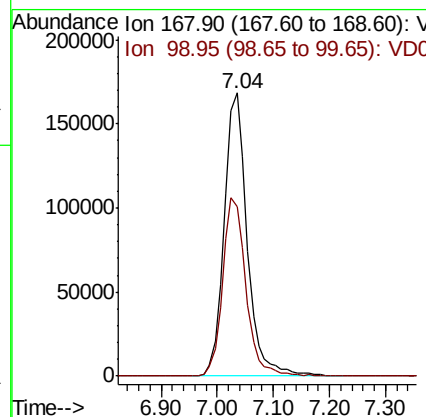
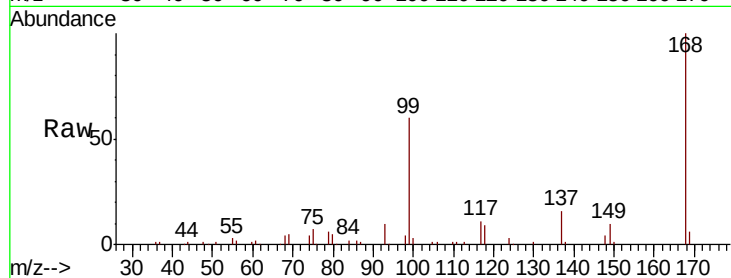




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.03 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

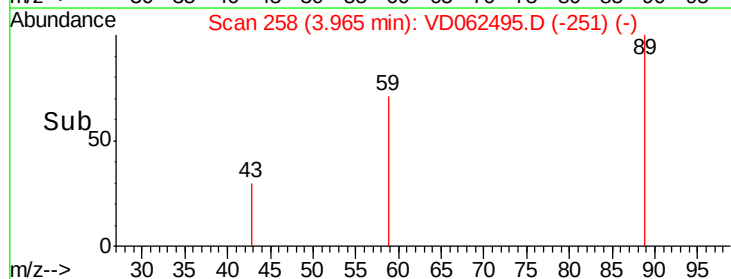
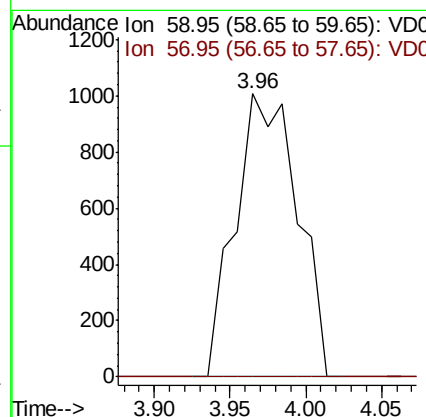
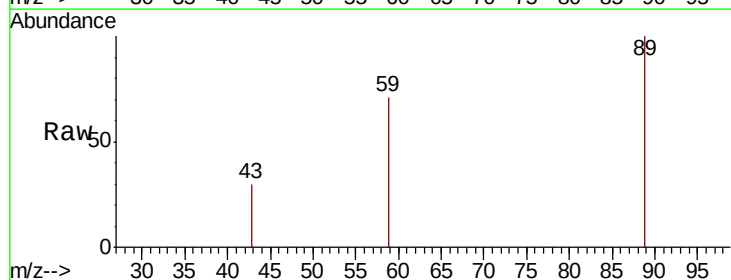
Instrument :
MSVOA_D
ClientSampleId :

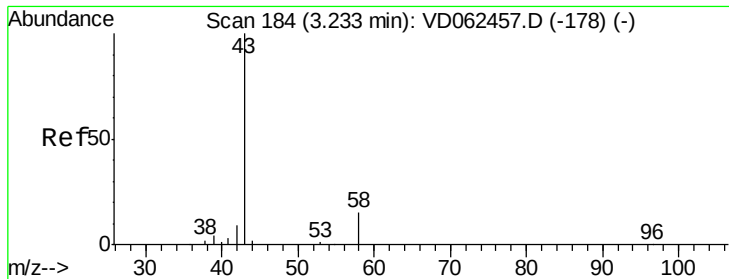
Tot Ion:168 Resp: 482837
Ion Ratio Lower Upper
168 100
99 59.8 46.5 69.7



#11
Tert butyl alcohol
Concen: 12.080 ug/l
RT: 3.96 min Scan# 258
Delta R.T. -0.13 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Tgt Ion: 59 Resp: 2882
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 4.535 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062495.D

Acq: 21 May 2019 21:35

Instrument :

MSVOA_D

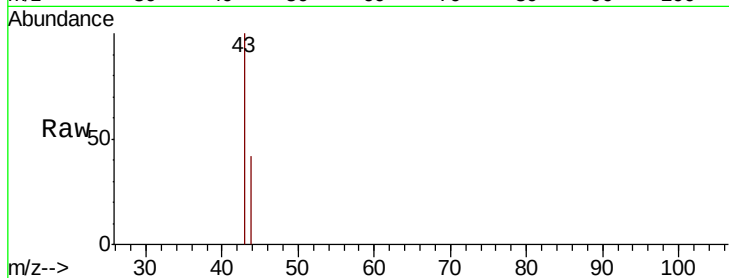
ClientSampleId :

Tot Ion: 43 Resp: 4200

Ion Ratio Lower Upper

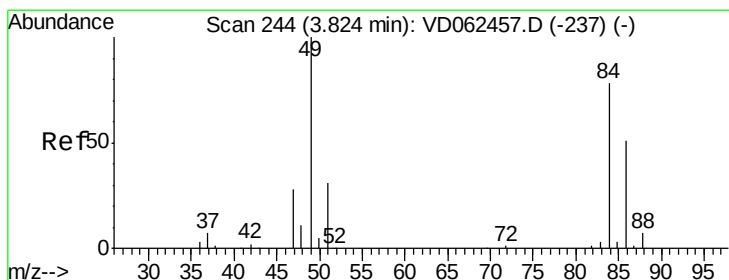
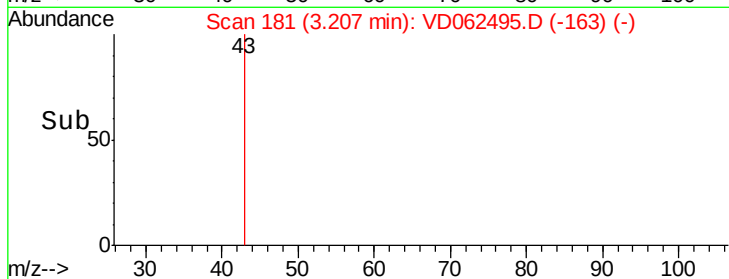
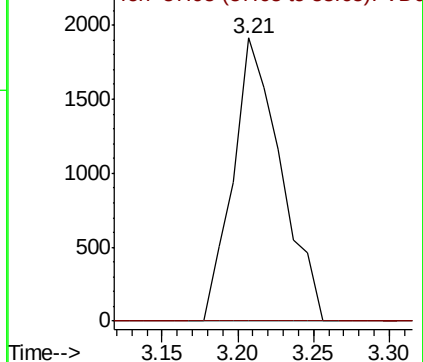
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD062495.D

Acq: 21 May 2019 21:35

Tgt Ion: 84 Resp: 8305

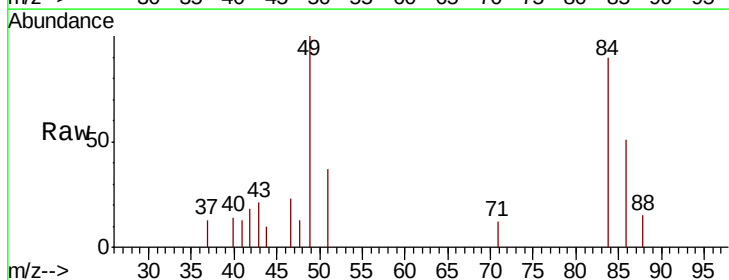
Ion Ratio Lower Upper

84 100

49 110.7 94.0 141.0

51 41.1 29.0 43.4

86 56.1 49.8 74.6

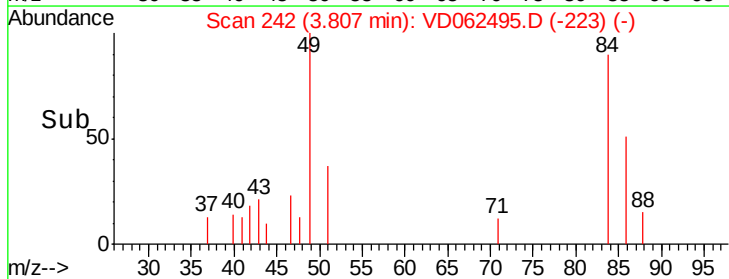
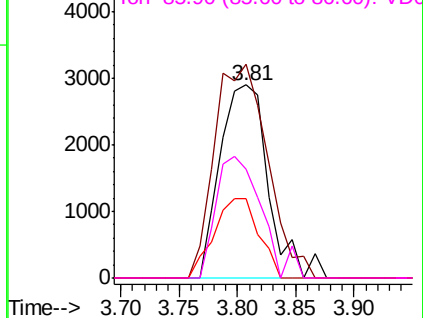


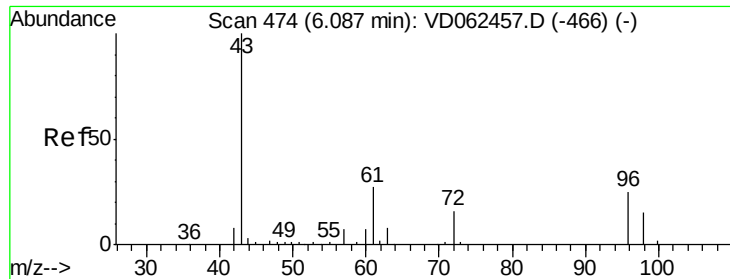
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.525 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.06 min

Lab File: VD062495.D

Acq: 21 May 2019 21:35

Instrument :

MSVOA_D

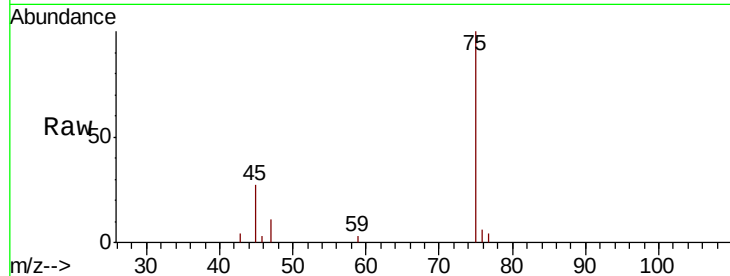
ClientSampled :

Tot Ion: 43 Resp: 1477

Ion Ratio Lower Upper

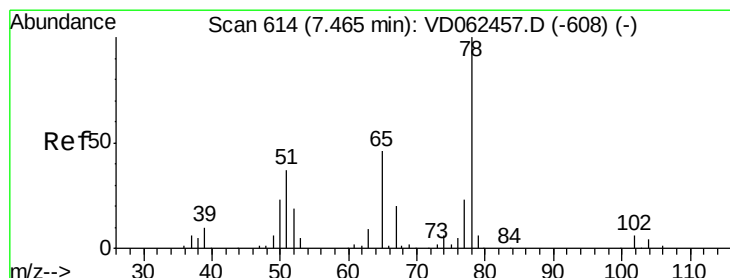
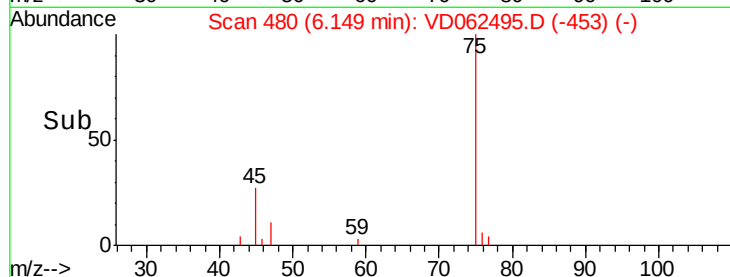
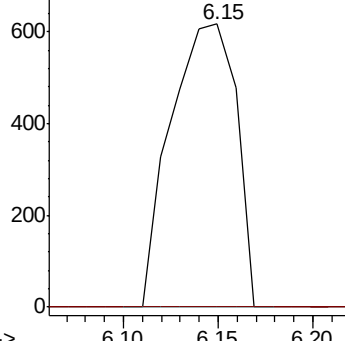
43 100

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



#33

1,2-Dichloroethane-d4

Concen: 35.391 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062495.D

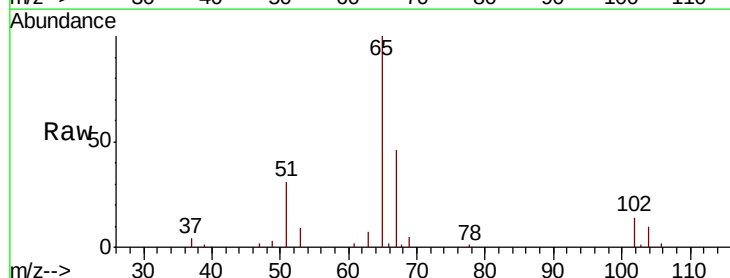
Acq: 21 May 2019 21:35

Tgt Ion: 65 Resp: 182915

Ion Ratio Lower Upper

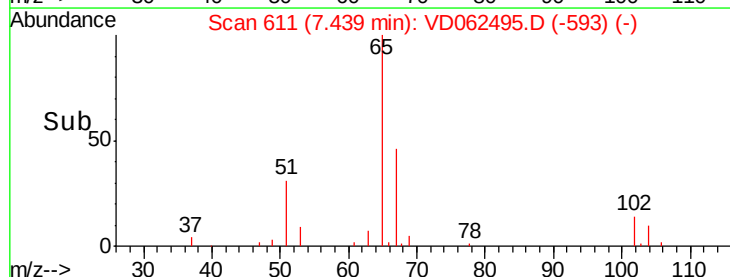
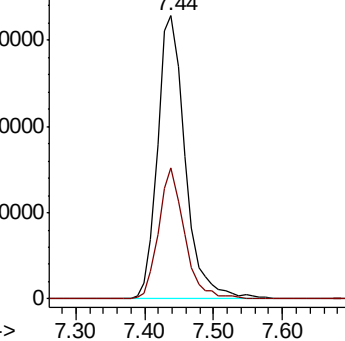
65 100

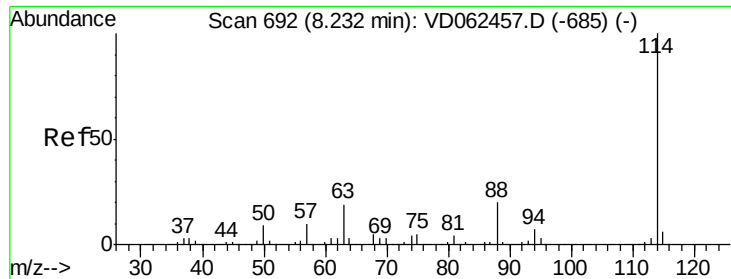
67 46.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

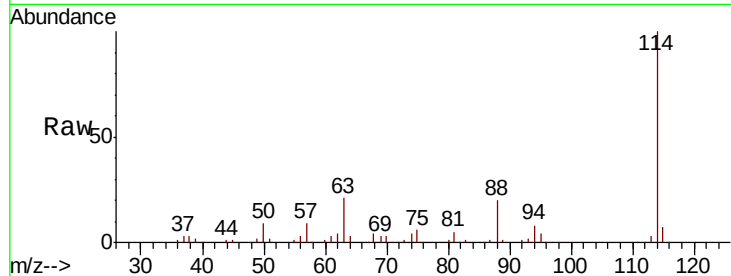




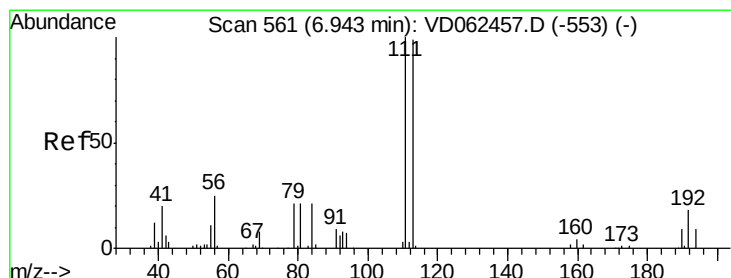
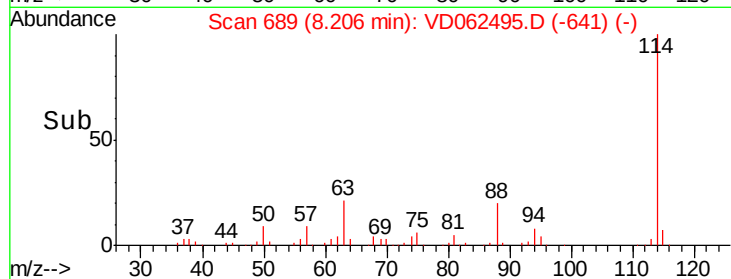
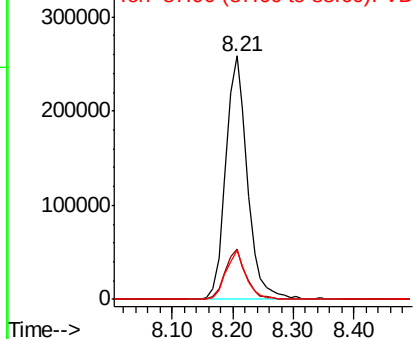
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.03 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 641914
Ion Ratio Lower Upper
114 100
63 20.8 0.0 32.4
88 20.3 0.0 33.6

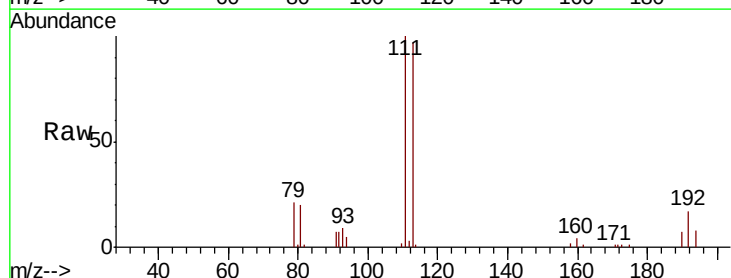


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

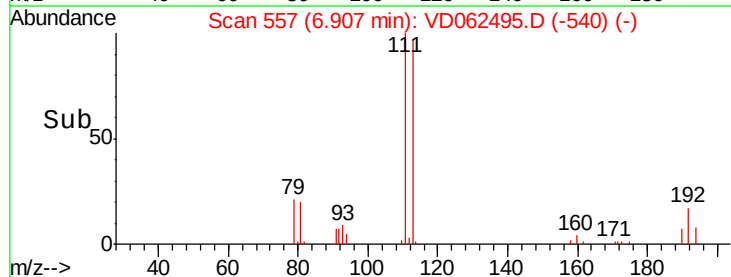
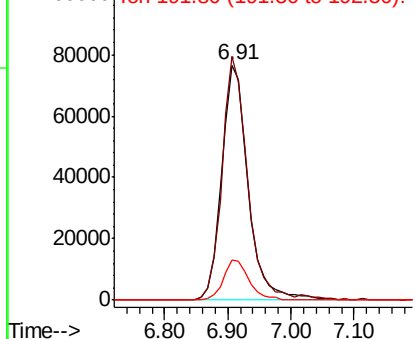


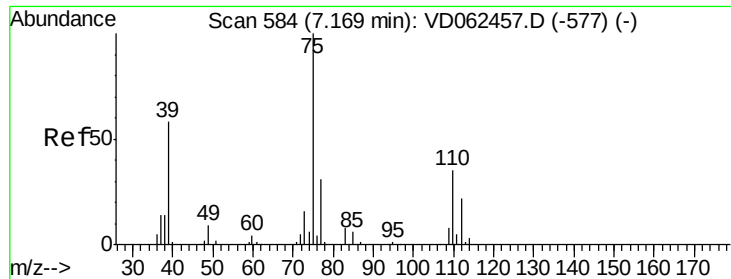
#35
Dibromofluoromethane
Concen: 38.447 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.04 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Tgt Ion:113 Resp: 222641
Ion Ratio Lower Upper
113 100
111 103.6 78.5 117.7
192 17.1 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

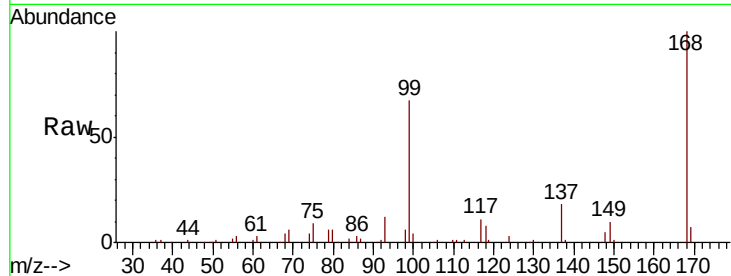




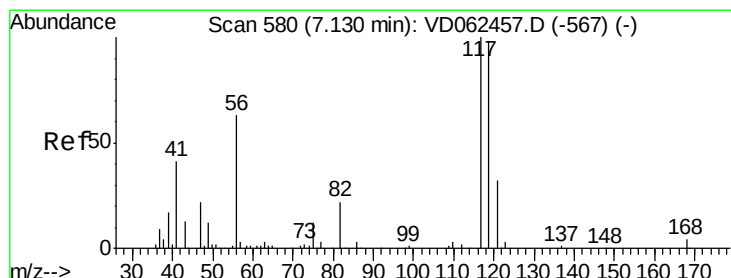
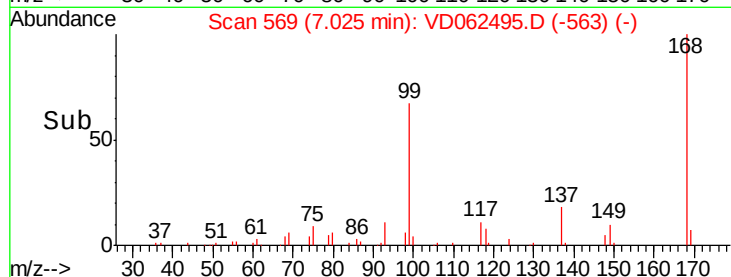
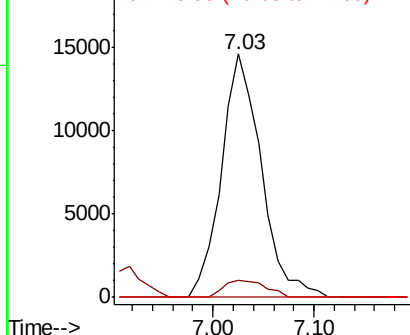
#36
 1,1-Dichloropropene
 Concen: 6.540 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD062495.D
 Acq: 21 May 2019 21:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	19.1	57.1#
77	0.0	25.6	38.4#

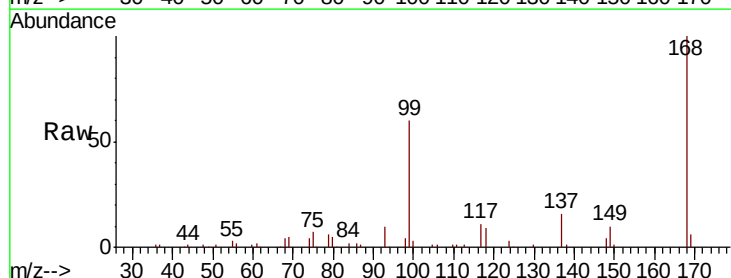


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

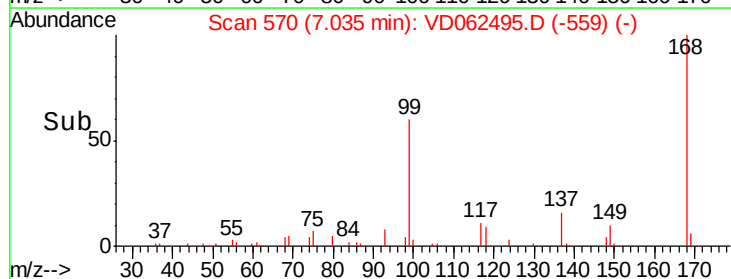
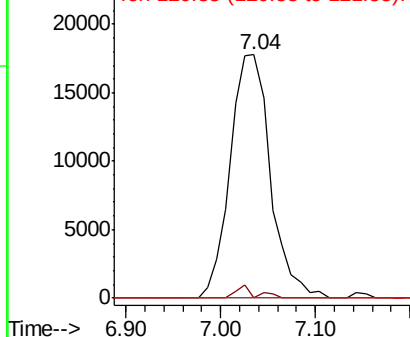


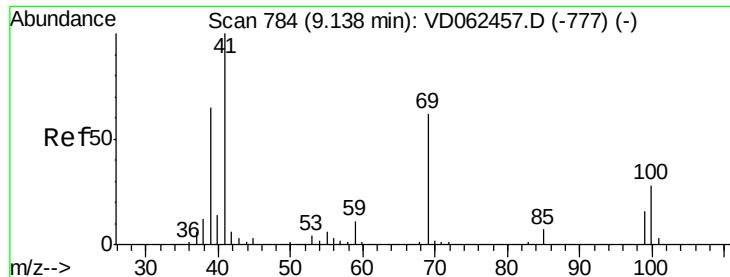
#38
 Carbon Tetrachloride
 Concen: 5.725 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062495.D
 Acq: 21 May 2019 21:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#



Abundance Ion 116.85 (116.55 to 117.55): VDC
 Ion 118.85 (118.55 to 119.55): VDC
 Ion 120.85 (120.55 to 121.55): VDC

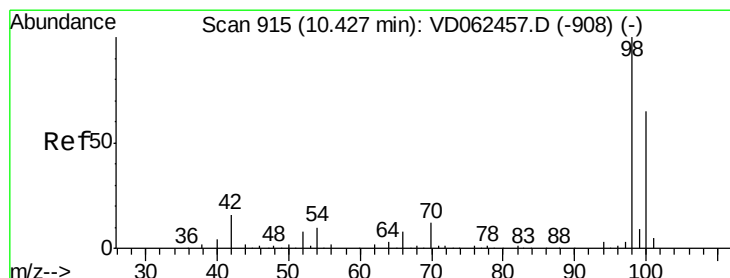
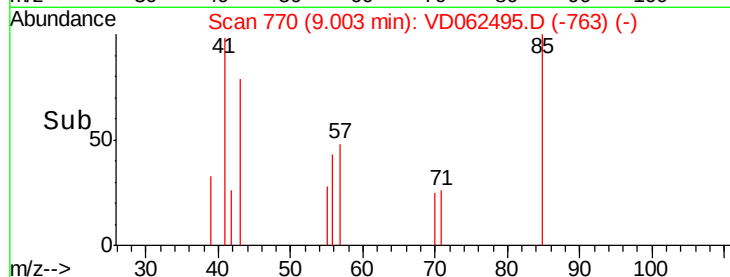
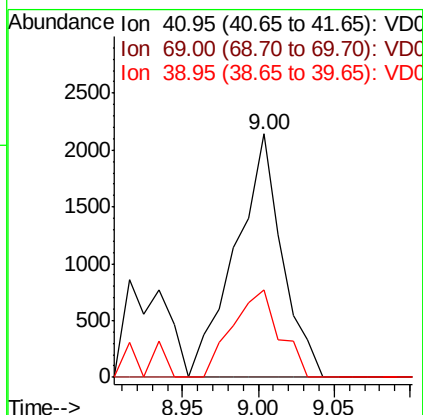
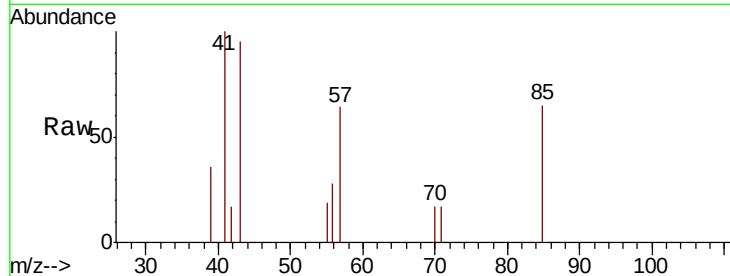




#48
Methyl methacrylate
Concen: 2.161 ug/l
RT: 9.00 min Scan# 770
Delta R.T. -0.13 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

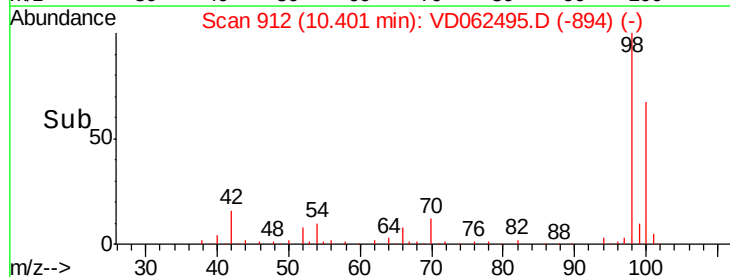
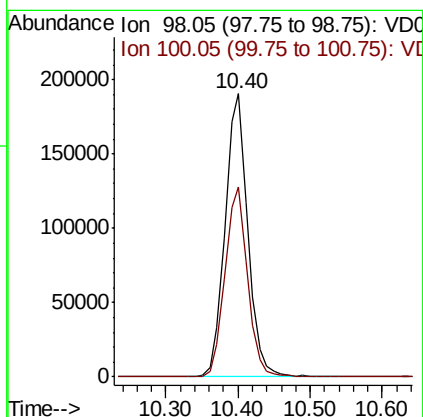
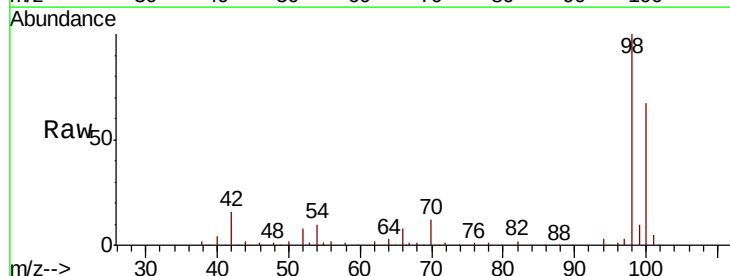
Instrument :
MSVOA_D
ClientSampled :

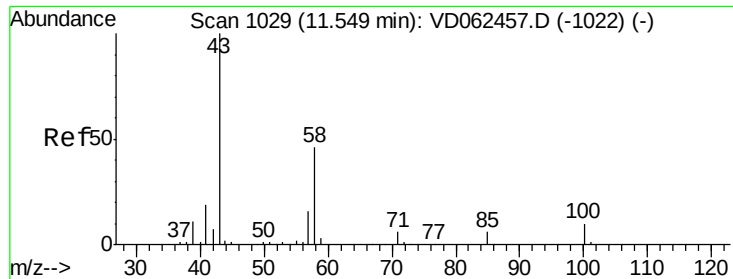
Tot Ion: 41 Resp: 4599
Ion Ratio Lower Upper
41 100
69 0.0 64.2 96.2#
39 36.1 46.8 70.2#



#50
Toluene-d8
Concen: 32.806 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Tgt Ion: 98 Resp: 415744
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8

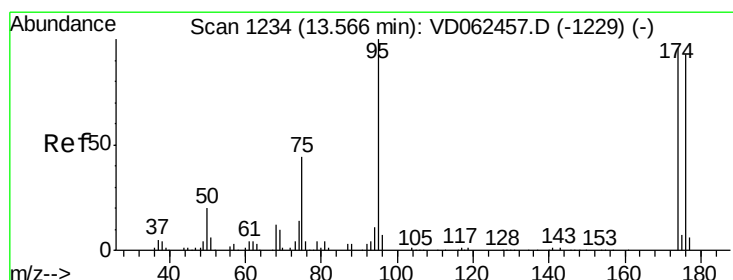
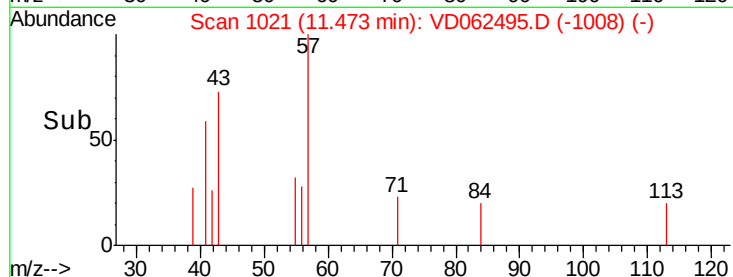
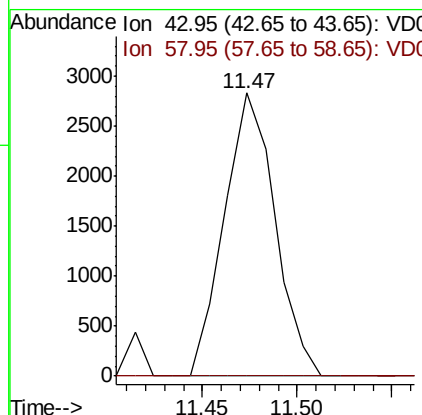
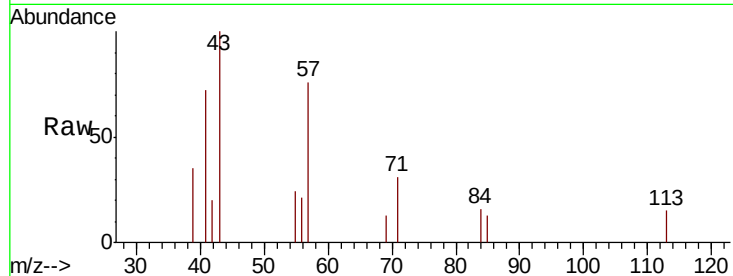




#59
2-Hexanone
Concen: 3.449 ug/l
RT: 11.47 min Scan# 1021
Delta R.T. -0.08 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

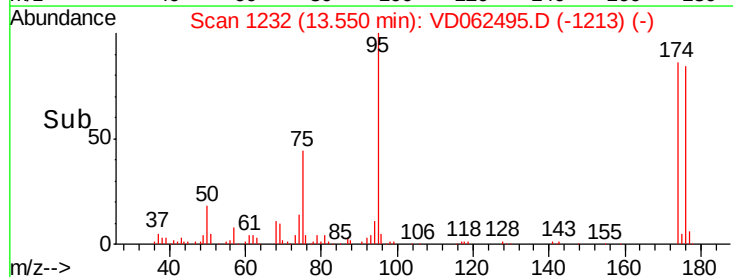
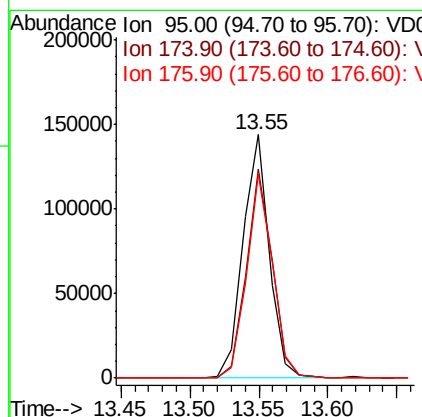
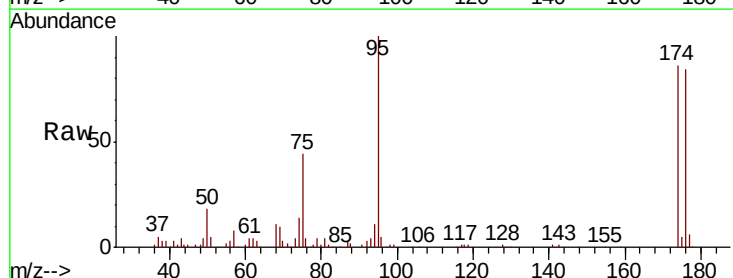
Instrument :
MSVOA_D
ClientSampleId :

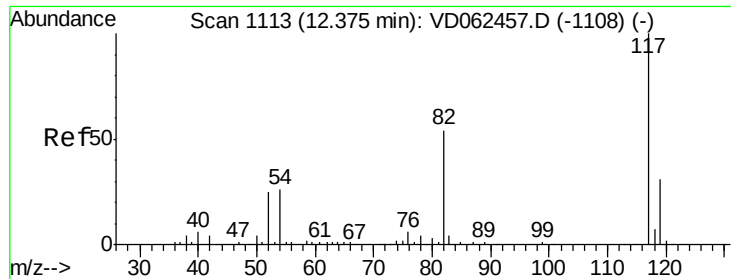
Tot Ion: 43 Resp: 5238
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 34.622 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Tgt Ion: 95 Resp: 191928
Ion Ratio Lower Upper
95 100
174 85.7 0.0 181.8
176 83.6 0.0 174.4

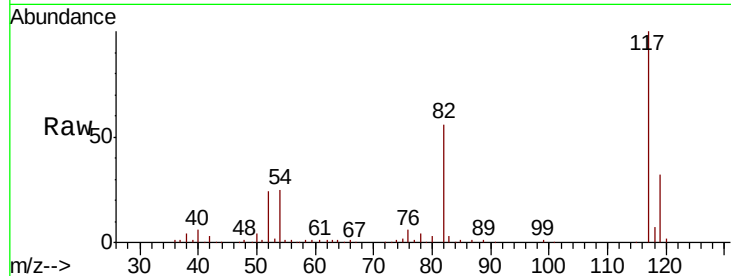




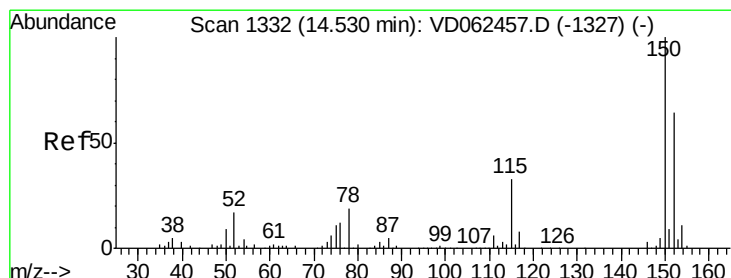
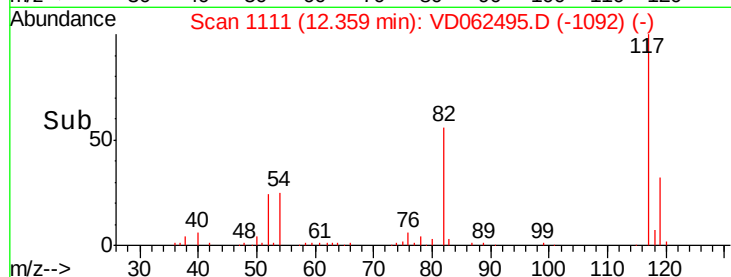
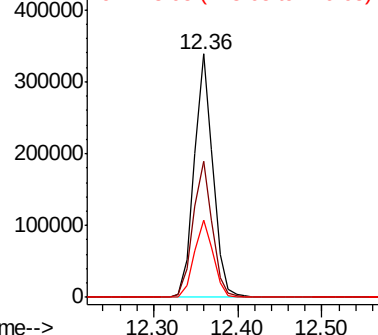
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 520225
Ion Ratio Lower Upper
117 100
82 56.1 36.2 54.2#
119 31.6 26.2 39.4

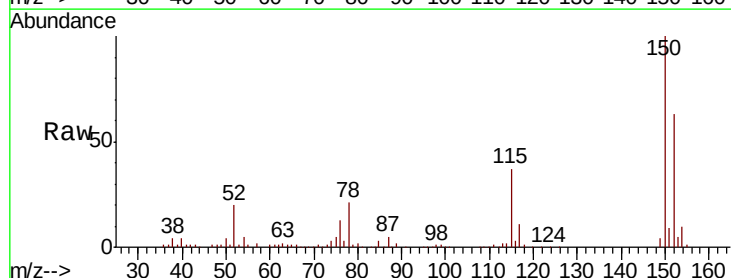


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

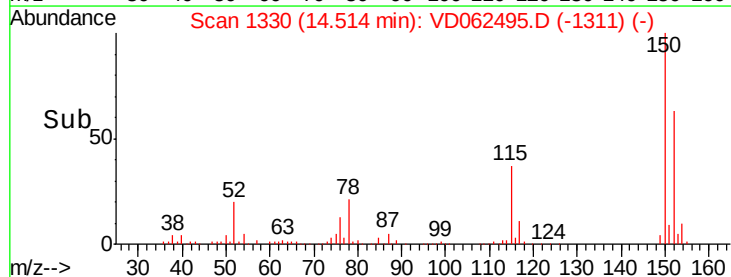
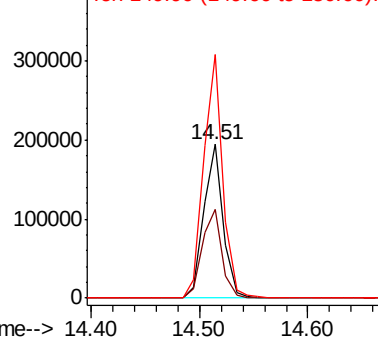


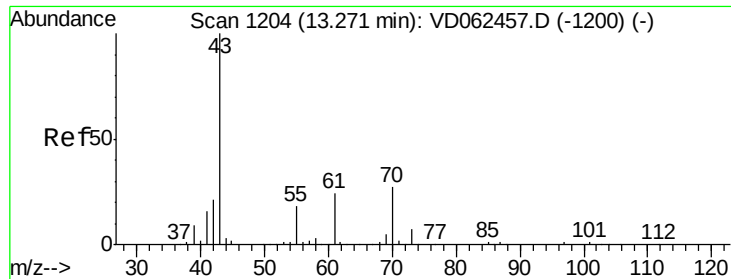
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Tgt Ion:152 Resp: 241629
Ion Ratio Lower Upper
152 100
115 58.0 30.9 92.7
150 158.4 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

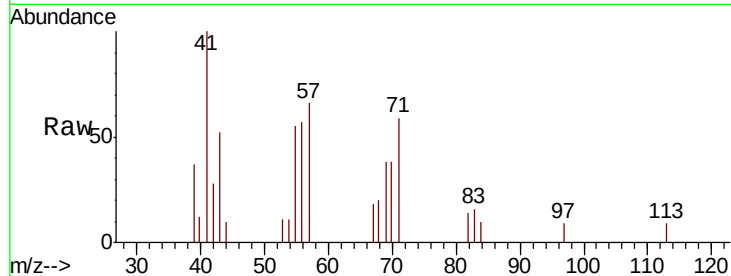




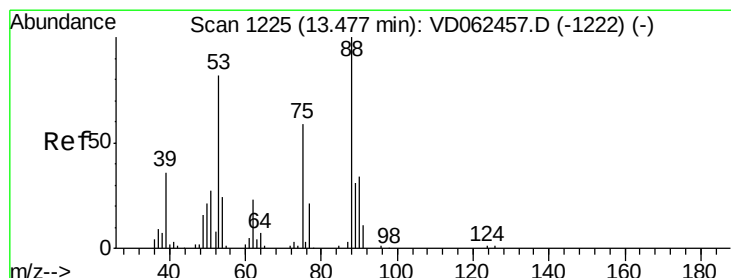
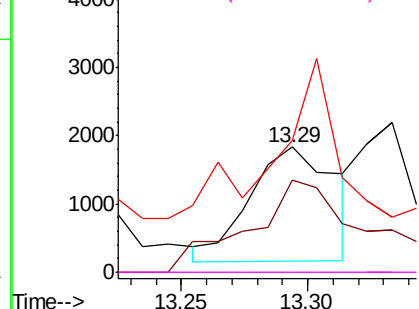
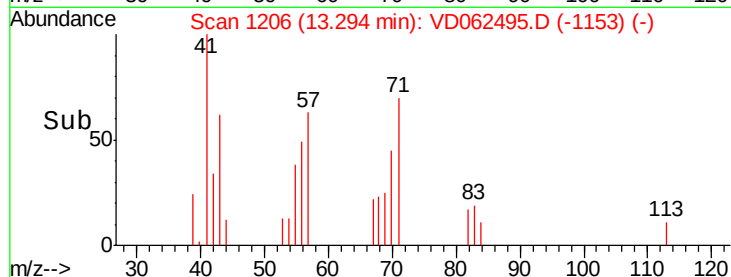
#74
N-amvl acetate
Concen: 1.050 ug/l
RT: 13.29 min Scan# 1206
Delta R.T. 0.02 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
70 73.0 24.2 36.4#
55 104.7 16.0 24.0#
61 0.0 21.6 32.4#

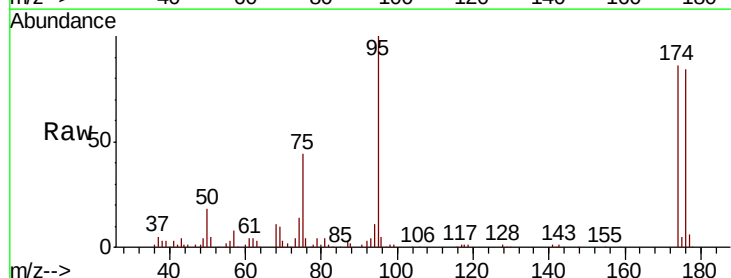


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC



#81
trans-1,4-Dichloro-2-butene
Concen: 106.640 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062495.D
Acq: 21 May 2019 21:35

Tgt Ion: 75 Resp: 85598
Ion Ratio Lower Upper
75 100
53 0.8 65.8 98.8#
89 0.0 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

