

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062574.D
 Acq On : 31 May 2019 19:58
 Operator : VA/AP
 Sample : K3139-06
 Misc : 4.75g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-D2

Quant Time: May 31 23:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	626401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	821795	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	705166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	414903	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	322826	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	
35) Dibromofluoromethane	6.94	113	327694	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	
50) Toluene-d8	10.43	98	644586	39.28	ug/l	0.00
Spiked Amount			Recovery	=	78.56%	
62) 4-Bromofluorobenzene	13.57	95	330950	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

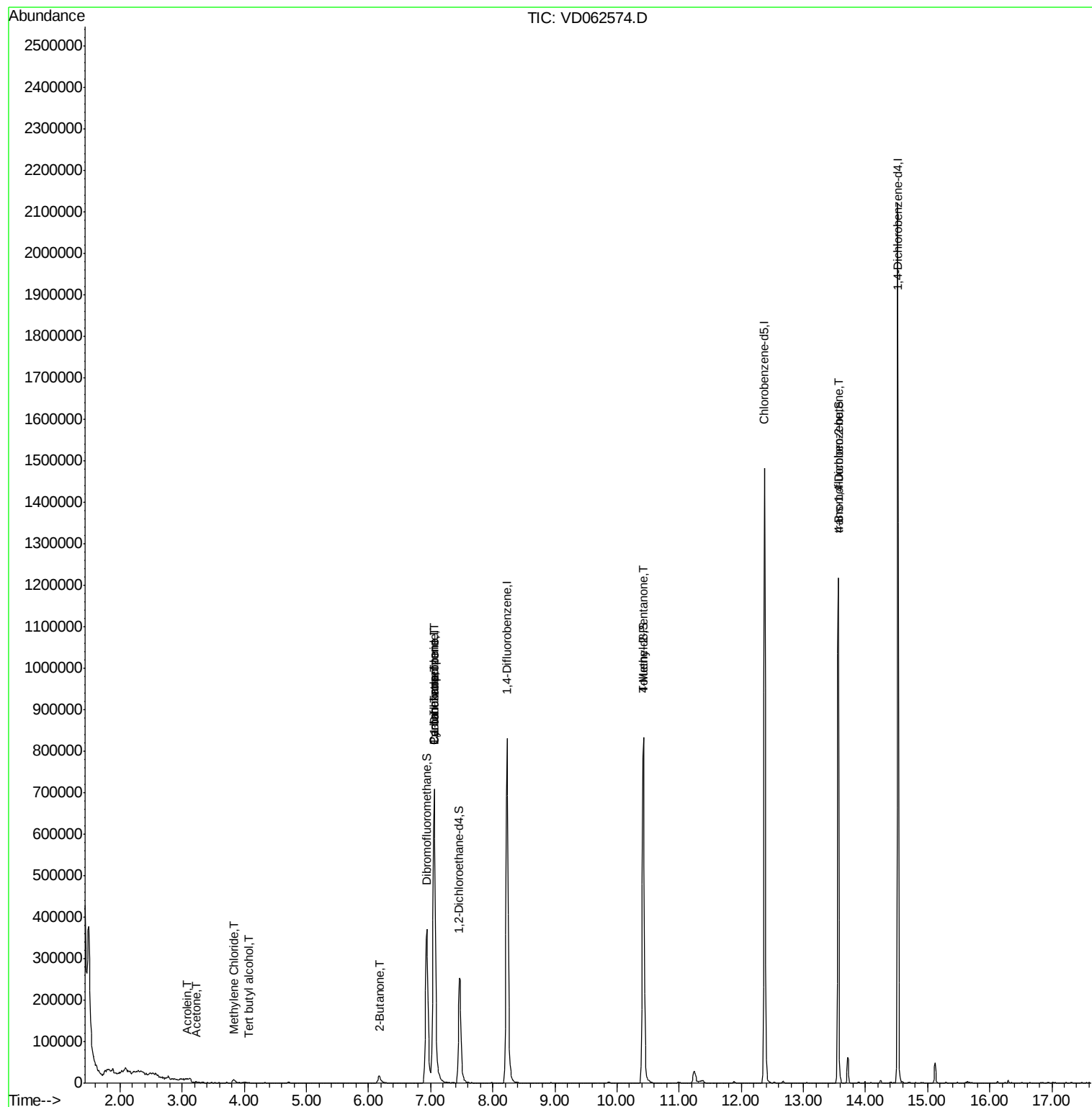
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	1603	Below Cal	#	43
11) Tert butyl alcohol	4.08	59	524	1.673	ug/l #	80
13) Acrolein	3.07	56	201	1.473	ug/l #	10
16) Acetone	3.22	43	3579	2.480	ug/l #	60
20) Methylene Chloride	3.83	84	5656	1.059	ug/l #	80
25) 2-Butanone	6.16	43	1635	1.203	ug/l #	62
31) Cyclohexane	7.06	56	17748	2.602	ug/l #	15
36) 1,1-Dichloropropene	7.06	75	57803	7.066	ug/l #	50
38) Carbon Tetrachloride	7.06	117	70628	5.799	ug/l #	19
51) 4-Methyl-2-Pentanone	10.42	43	3781	1.263	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	176896	124.024	ug/l #	5

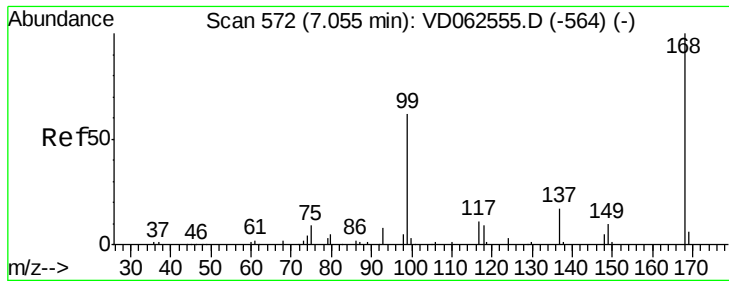
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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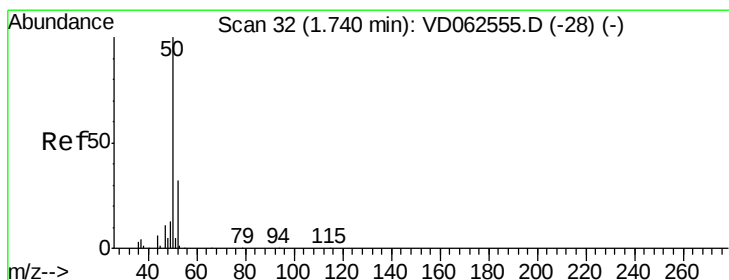
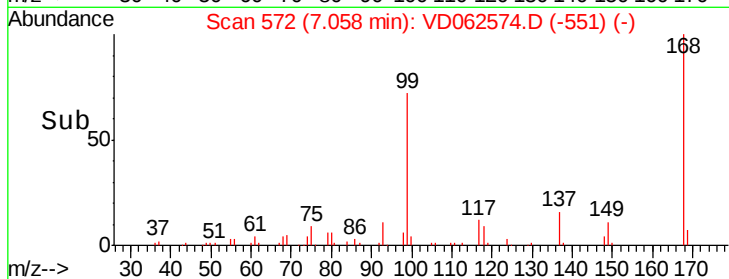
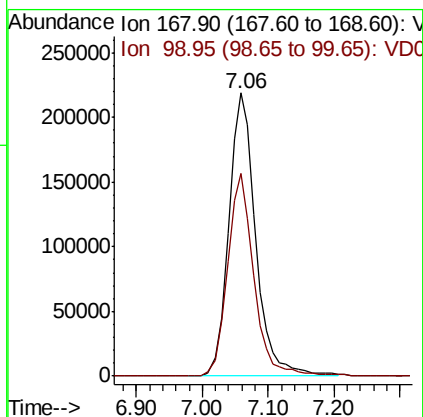
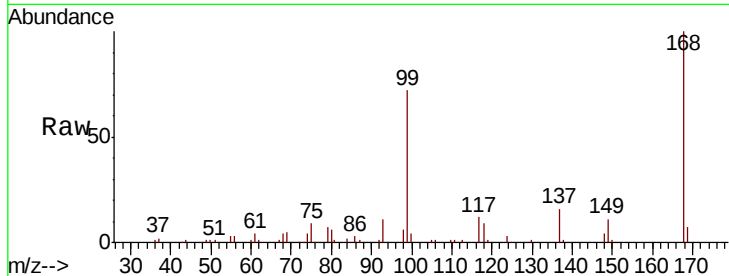




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD062574.D
Acq: 31 May 2019 19:58

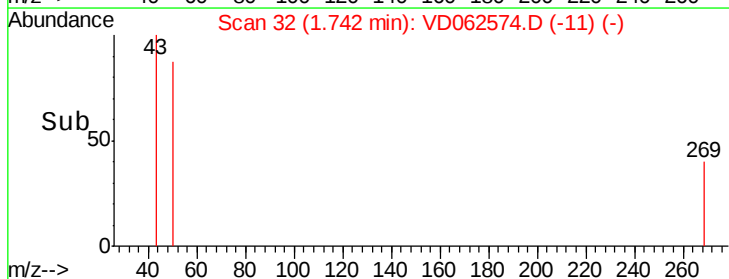
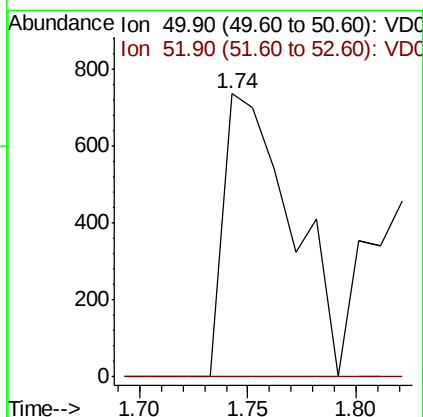
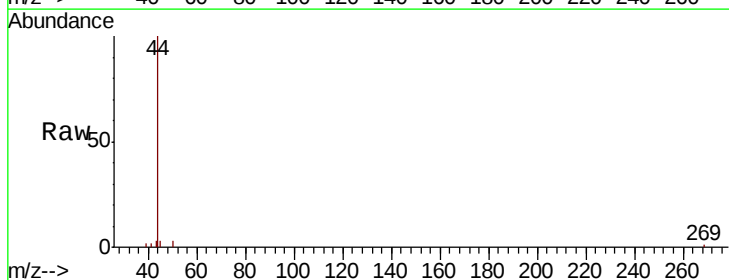
Instrument :
MSVOA_D
ClientSampleId :
TP-1A-D2

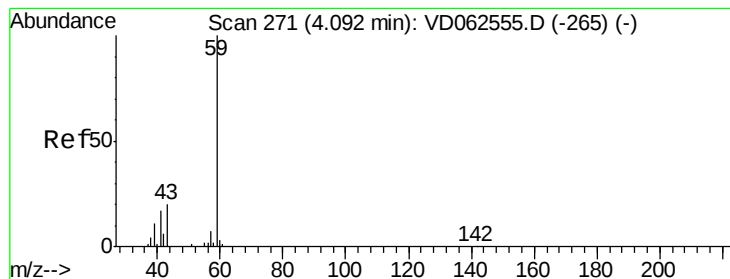
Tot Ion:168 Resp: 626401
Ion Ratio Lower Upper
168 100
99 71.6 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 1.74 min Scan# 32
Delta R.T. 0.00 min
Lab File: VD062574.D
Acq: 31 May 2019 19:58

Tgt Ion: 50 Resp: 1603
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



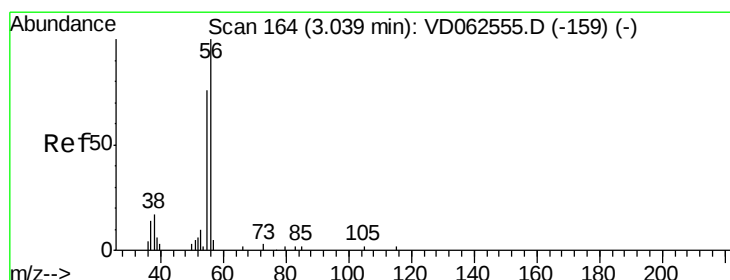
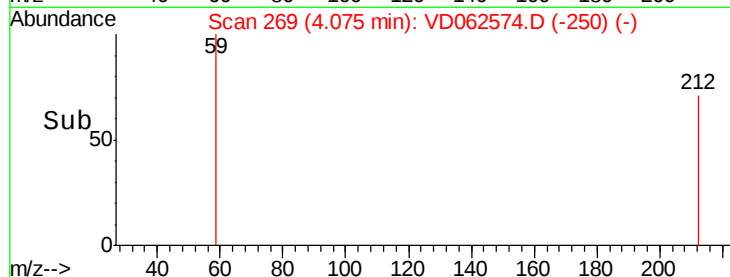
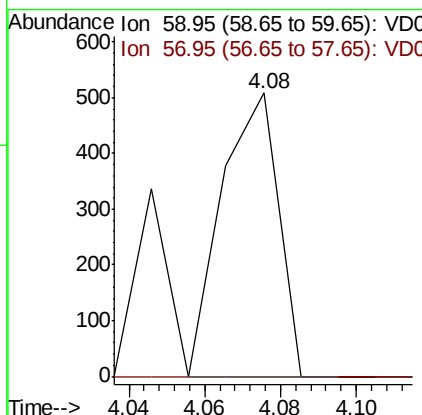
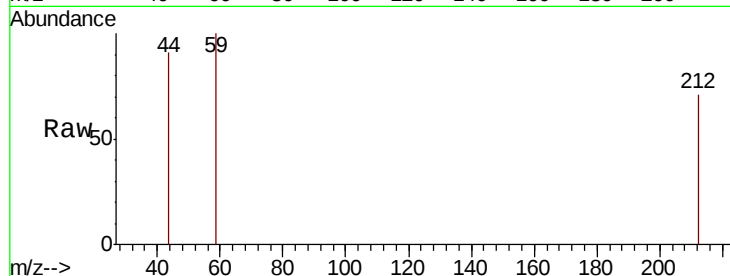


#11

Tert butyl alcohol
 Concen: 1.673 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD062574.D
 Acq: 31 May 2019 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-D2

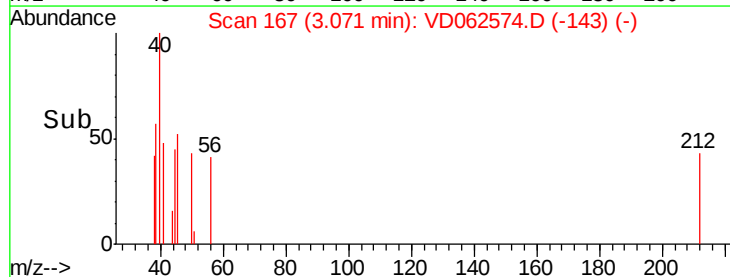
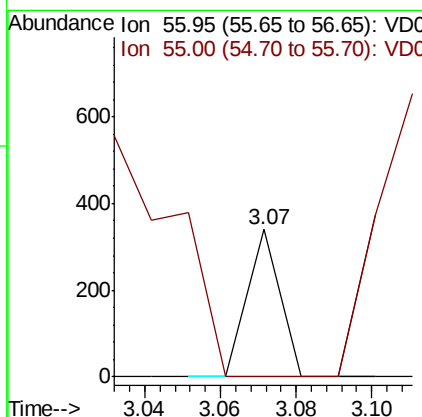
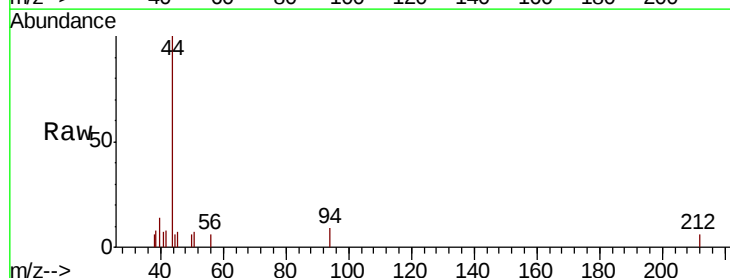
Tot Ion: 59 Resp: 524
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.0#

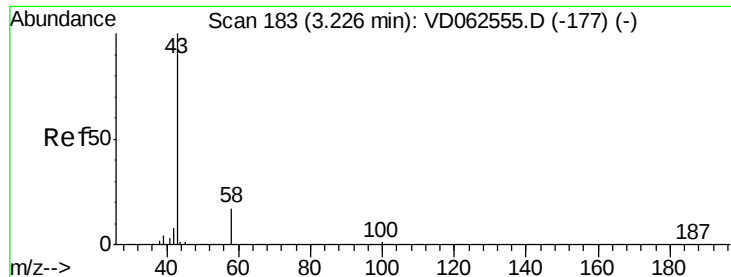


#13

Acrolein
 Concen: 1.473 ug/l
 RT: 3.07 min Scan# 167
 Delta R.T. 0.03 min
 Lab File: VD062574.D
 Acq: 31 May 2019 19:58

Tgt Ion: 56 Resp: 201
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.6 93.8#





#16

Acetone

Concen: 2.480 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

Instrument :

MSVOA_D

ClientSampleId :

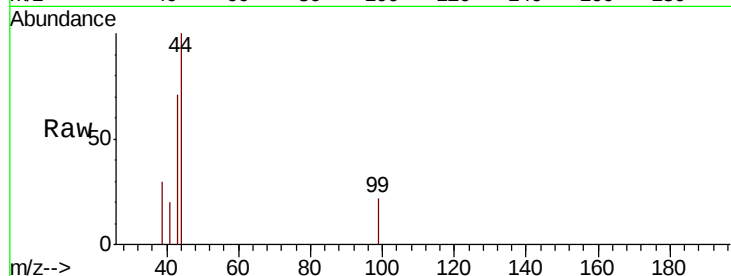
TP-1A-D2

Tot Ion: 43 Resp: 3579

Ion Ratio Lower Upper

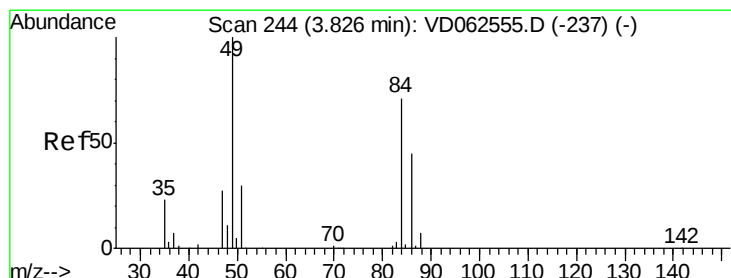
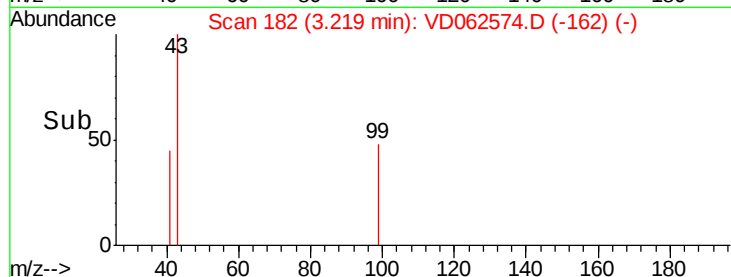
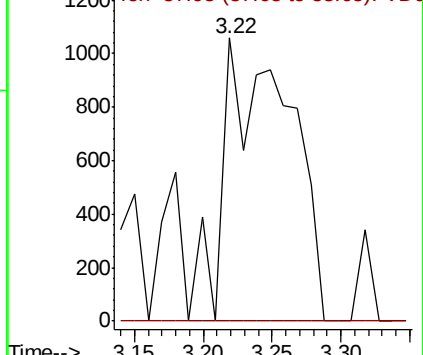
43 100

58 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.059 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

Tgt Ion: 84 Resp: 5656

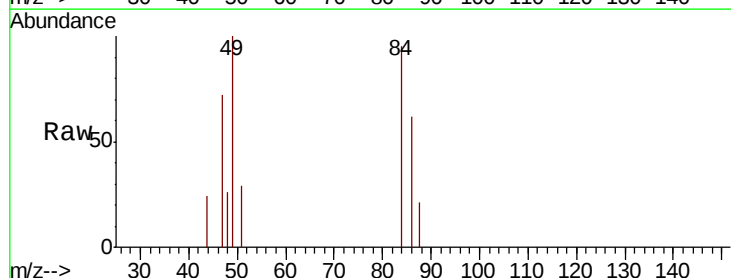
Ion Ratio Lower Upper

84 100

49 105.5 112.3 168.5#

51 30.5 33.6 50.4#

86 65.2 50.4 75.6

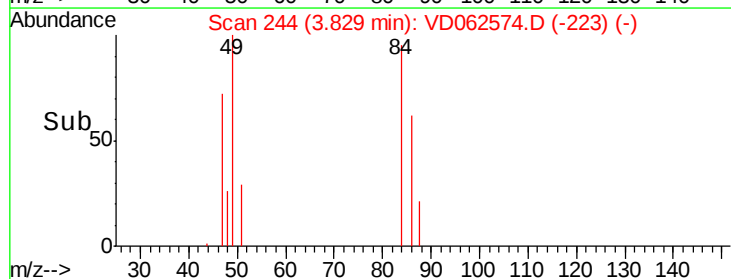
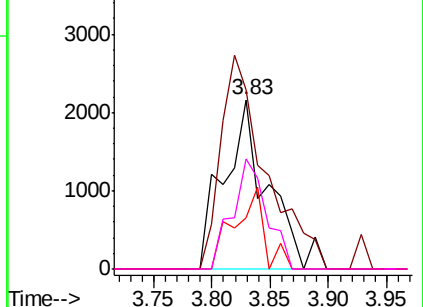


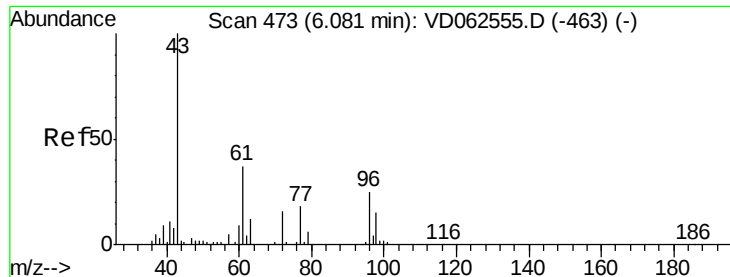
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.203 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.08 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

Instrument :

MSVOA_D

ClientSampleId :

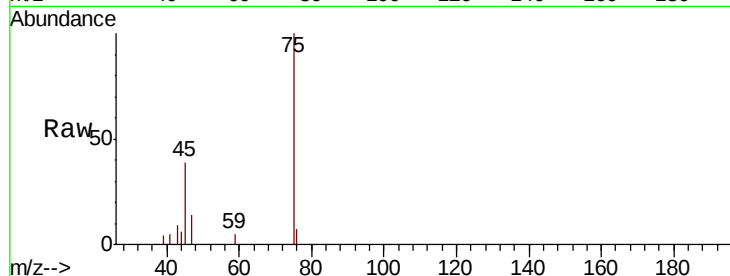
TP-1A-D2

Tot Ion: 43 Resp: 1635

Ion Ratio Lower Upper

43 100

72 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

800

600

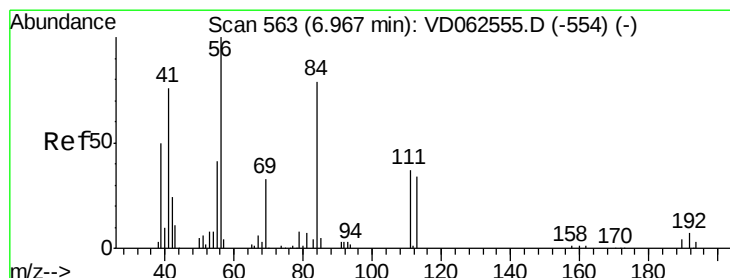
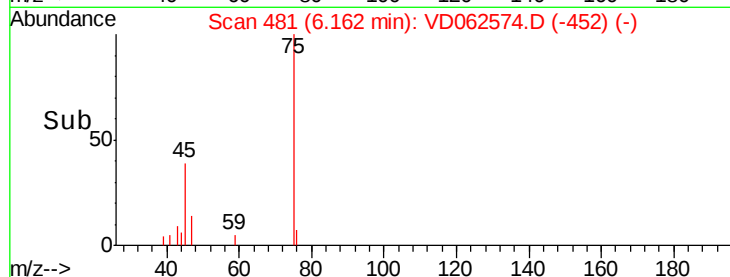
400

200

0

6.10 6.15 6.20 6.25

Time-->



#31

Cyclohexane

Concen: 2.602 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

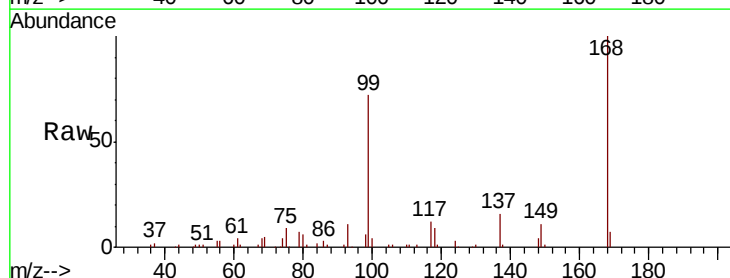
Tgt Ion: 56 Resp: 17748

Ion Ratio Lower Upper

56 100

69 175.4 26.2 39.2#

84 66.1 65.2 97.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

15000

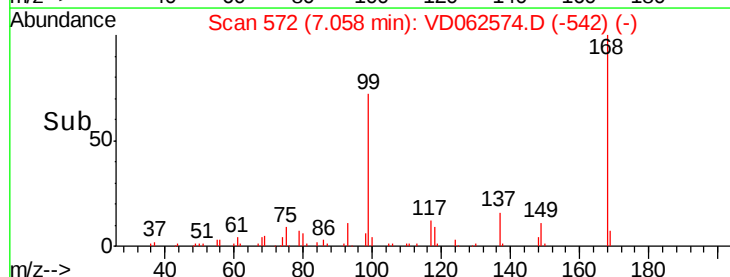
10000

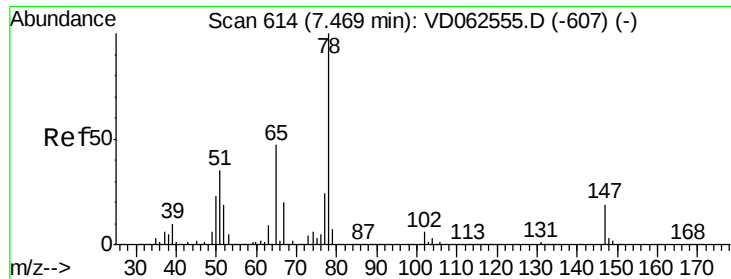
5000

0

6.95 7.00 7.05 7.10 7.15

Time-->

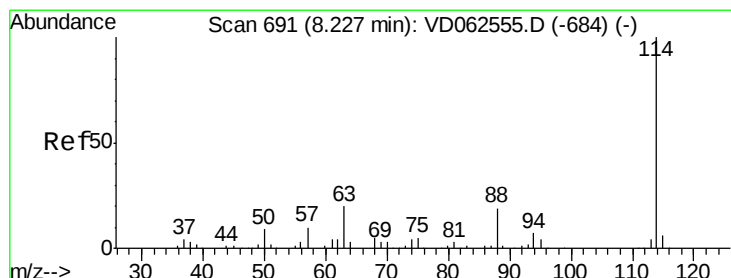
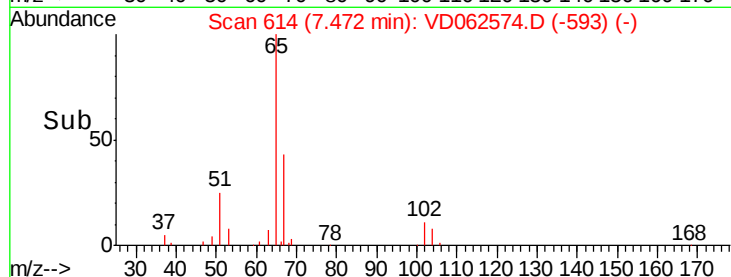
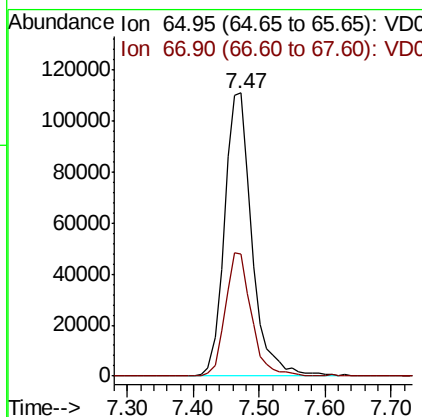
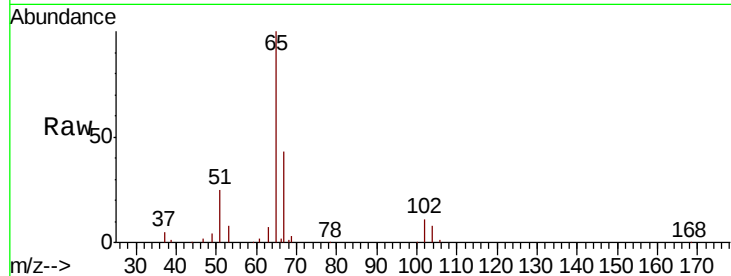




#33
 1,2-Dichloroethane-d4
 Concen: 43.953 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD062574.D
 Acq: 31 May 2019 19:58

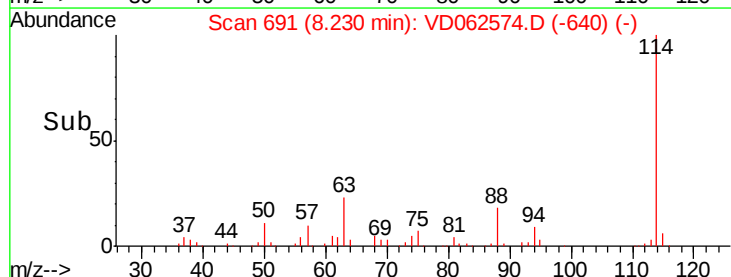
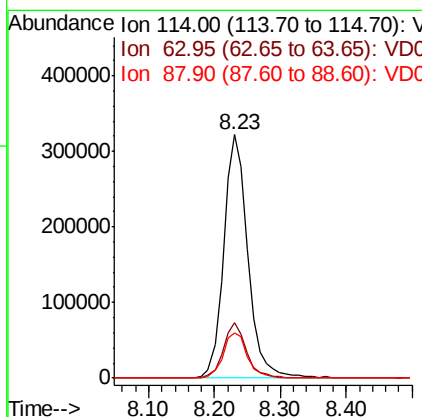
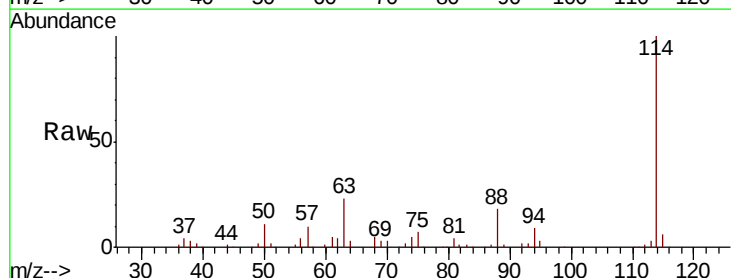
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-D2

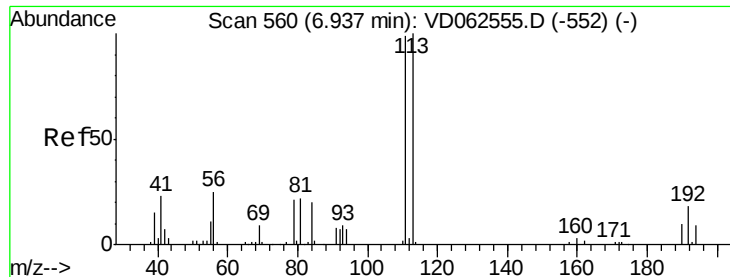
Tot Ion: 65 Resp: 322826
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062574.D
 Acq: 31 May 2019 19:58

Tgt Ion: 114 Resp: 821795
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 40.6
 88 18.5 0.0 37.6





#35

Dibromofluoromethane

Concen: 43.758 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-D2

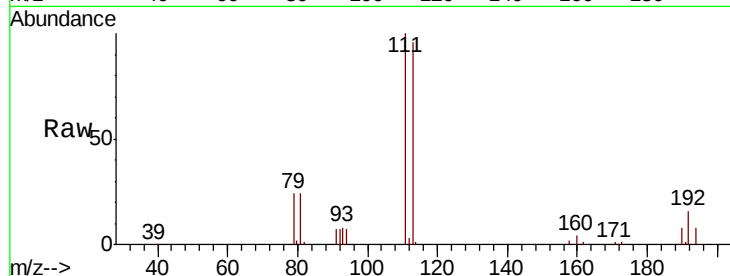
Tot Ion:113 Resp: 327694

Ion Ratio Lower Upper

113 100

111 104.6 78.8 118.2

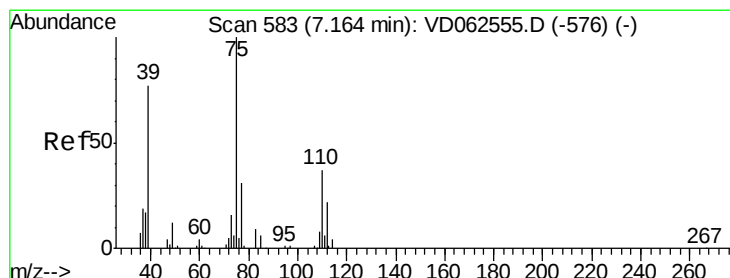
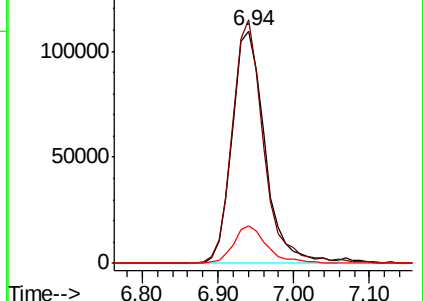
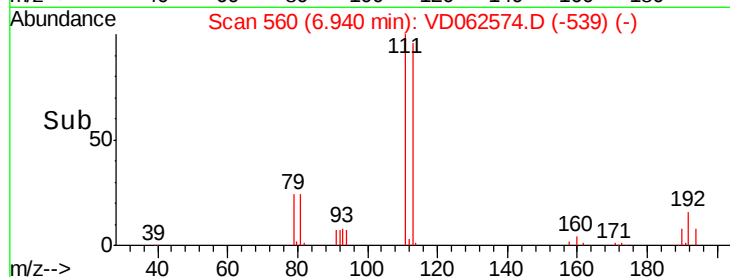
192 16.4 14.6 22.0



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: 7.066 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

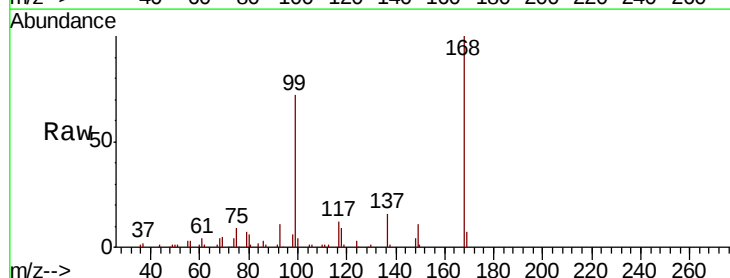
Tgt Ion: 75 Resp: 57803

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

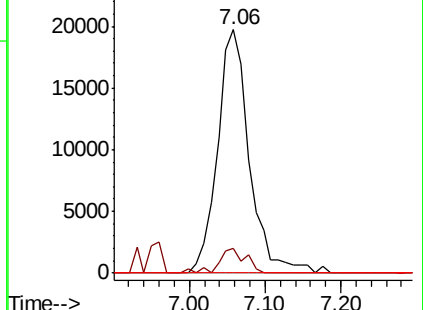
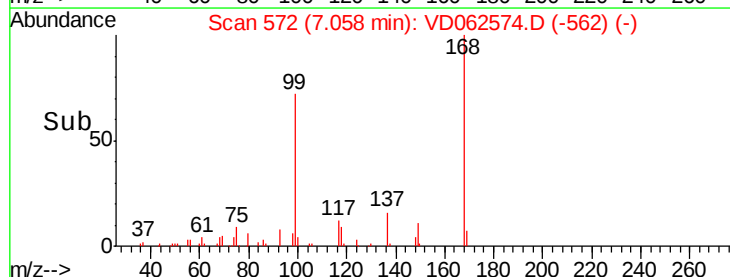
77 0.0 24.4 36.6#

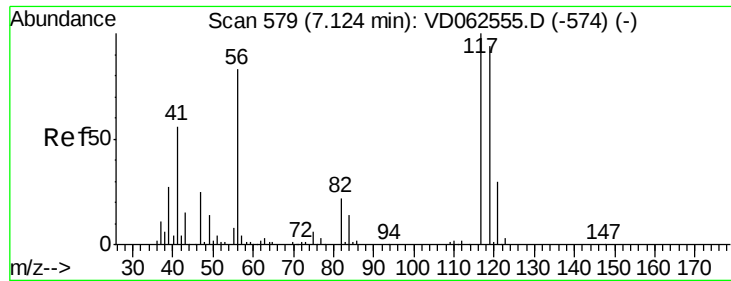


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

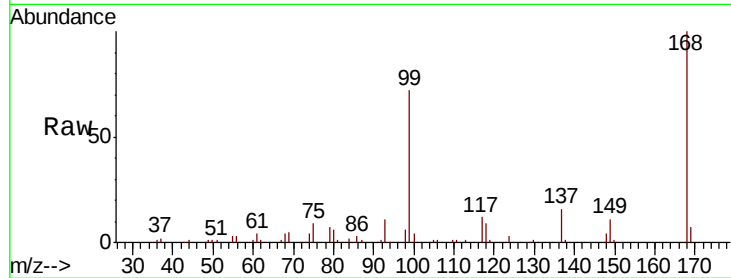




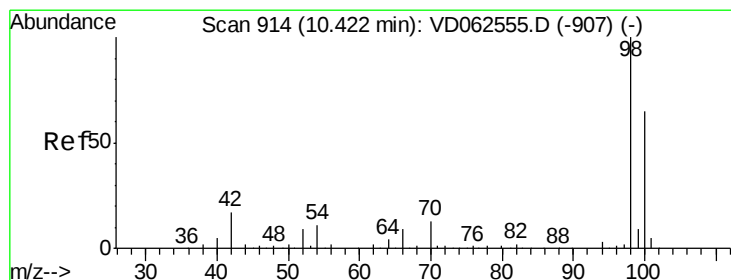
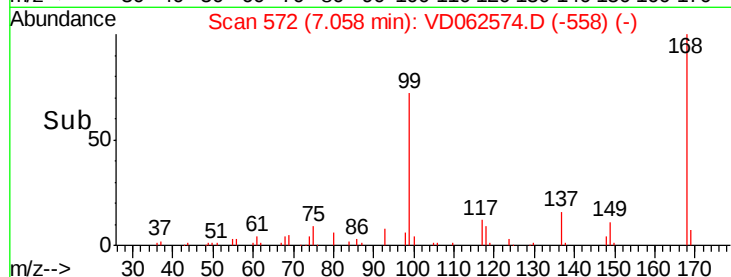
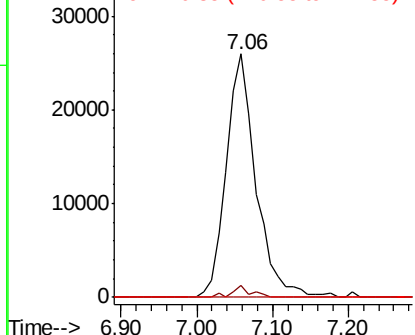
#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD062574.D
Acq: 31 May 2019 19:58

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-D2

Tot Ion:117 Resp: 70628
Ion Ratio Lower Upper
117 100
119 4.9 71.4 107.2#
121 0.0 22.5 33.7#

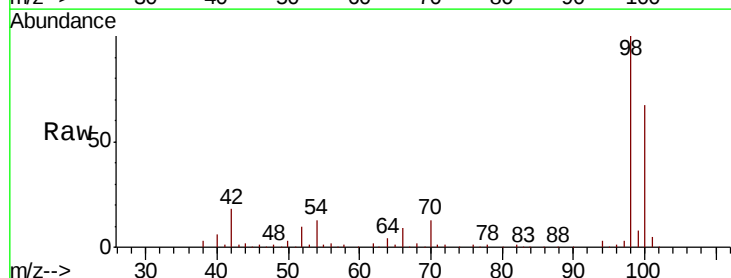


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

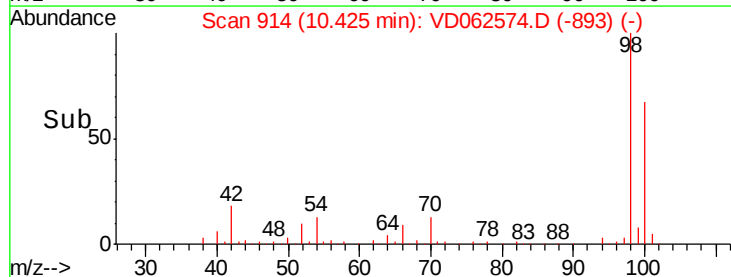
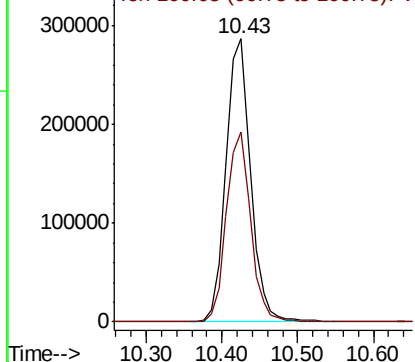


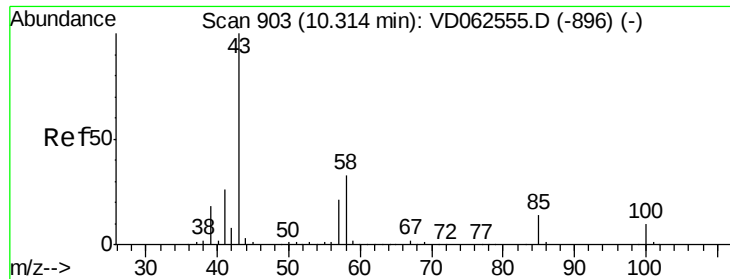
#50
Toluene-d8
Concen: 39.285 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062574.D
Acq: 31 May 2019 19:58

Tgt Ion: 98 Resp: 644586
Ion Ratio Lower Upper
98 100
100 67.0 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.263 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.10 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

Instrument :

MSVOA_D

ClientSampleId :

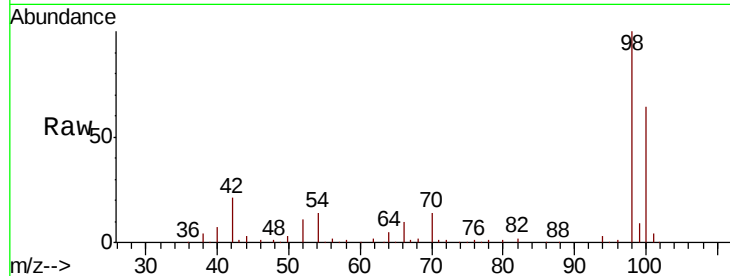
TP-1A-D2

Tot Ion: 43 Resp: 3781

Ion Ratio Lower Upper

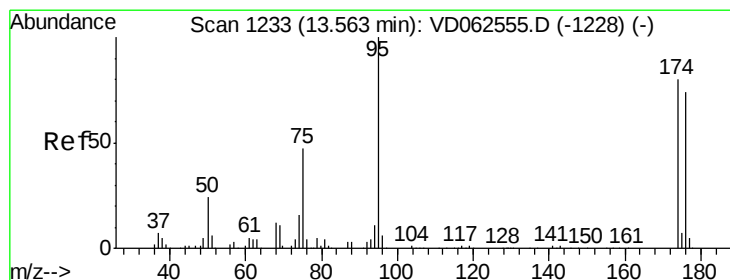
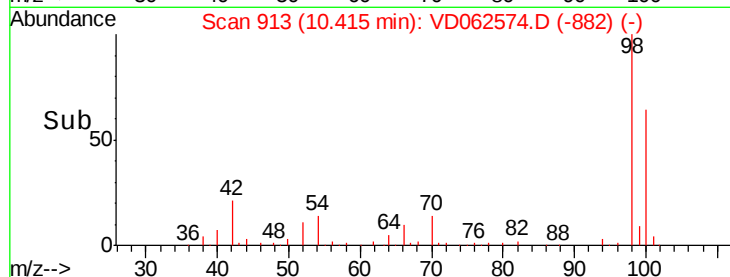
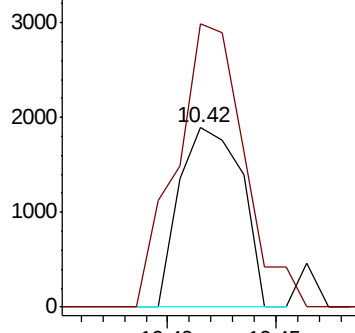
43 100

58 158.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 44.726 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

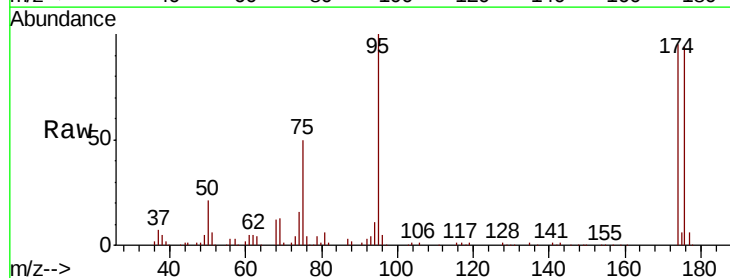
Tgt Ion: 95 Resp: 330950

Ion Ratio Lower Upper

95 100

174 95.4 0.0 160.2

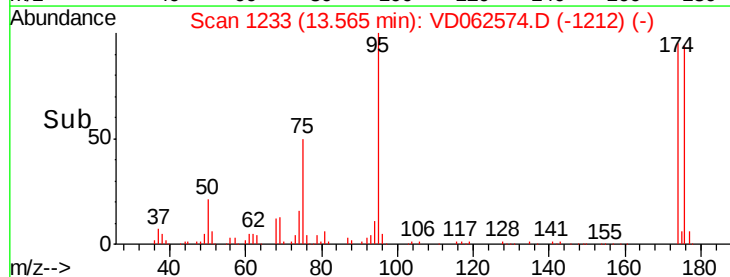
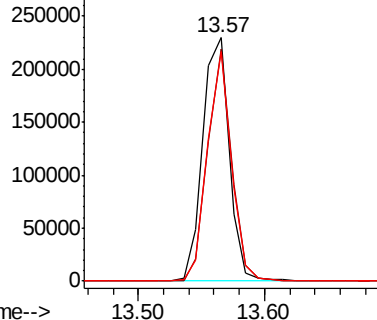
176 94.5 0.0 148.0

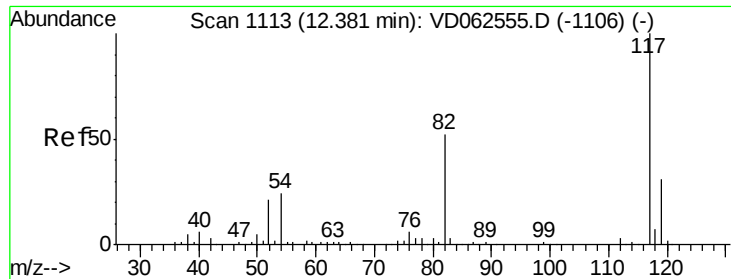


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

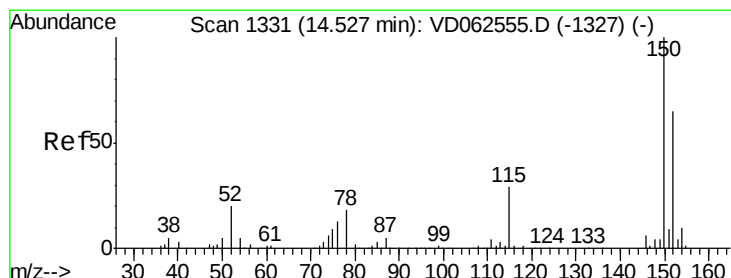
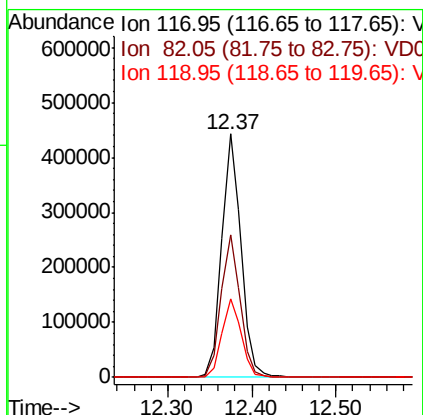
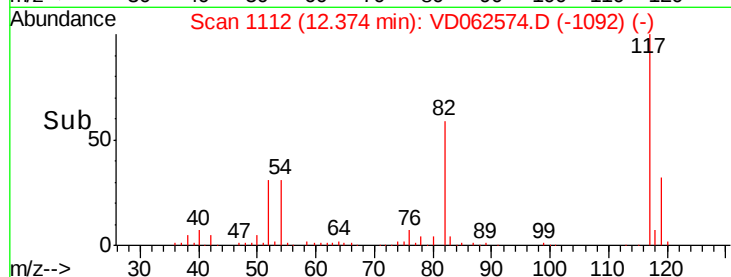
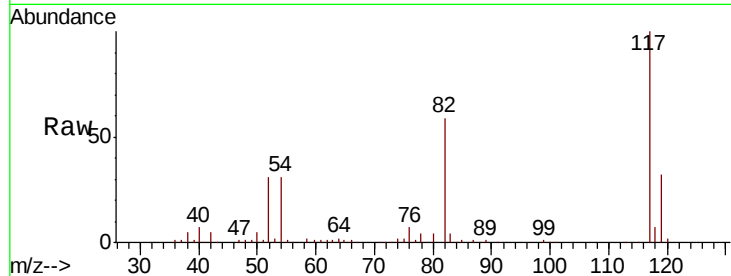




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062574.D
Acq: 31 May 2019 19:58

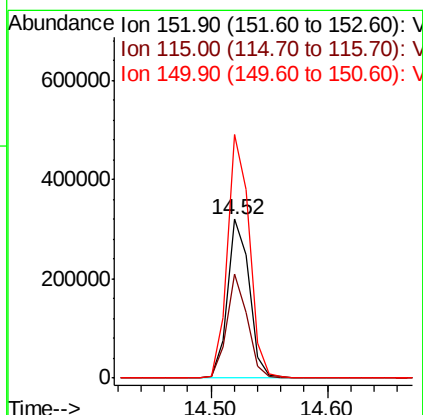
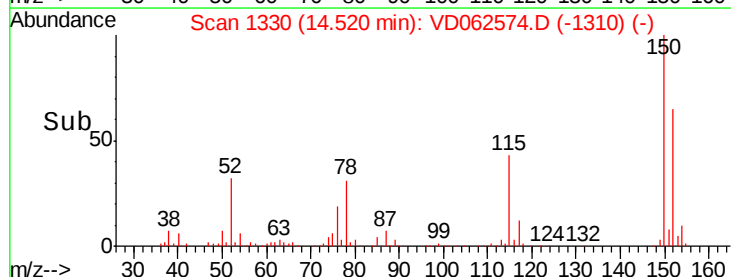
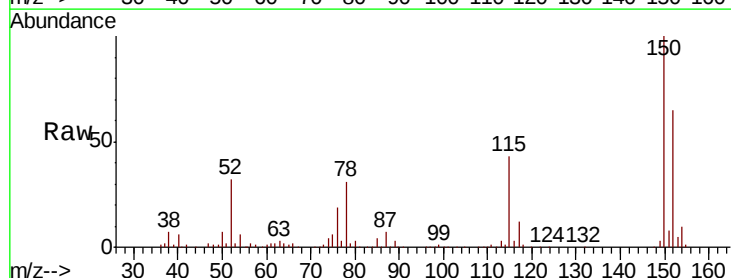
Instrument :
MSVOA_D
ClientSampled :
TP-1A-D2

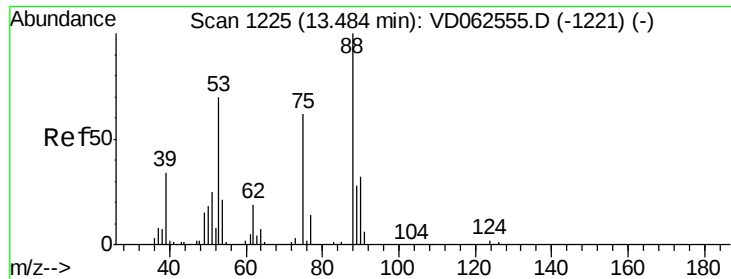
Tot Ion:117 Resp: 705166
Ion Ratio Lower Upper
117 100
82 58.6 41.4 62.2
119 32.2 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062574.D
Acq: 31 May 2019 19:58

Tgt Ion:152 Resp: 414903
Ion Ratio Lower Upper
152 100
115 65.8 28.4 85.3
150 153.2 0.0 310.4





#81

trans-1,4-Dichloro-2-butene

Concen: 124.024 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062574.D

Acq: 31 May 2019 19:58

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-D2

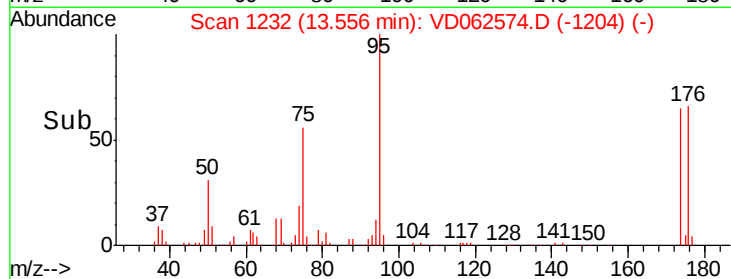
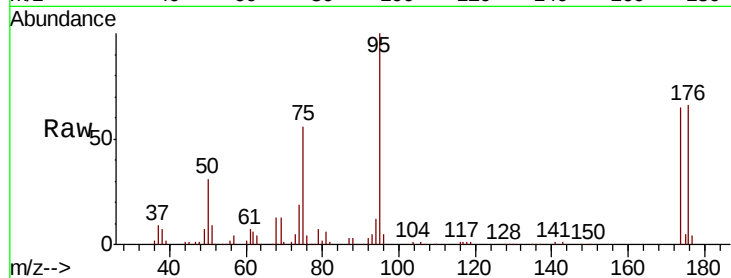
Tot Ion: 75 Resp: 176896

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#



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

