

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063172.D
 Acq On : 22 Jul 2019 13:02
 Operator : VA/AP
 Sample : K3622-09
 Misc : 6.65g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-A

Quant Time: Jul 23 07:48:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	959888	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1335197	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1050348	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	488543	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	648696	54.25	ug/l	0.01
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	6.94	113	713284	53.63	ug/l	0.02
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	10.42	98	1554808	54.43	ug/l	0.02
Spiked Amount			Recovery	=	108.86%	
62) 4-Bromofluorobenzene	13.56	95	610401	46.19	ug/l	0.01
Spiked Amount			Recovery	=	92.38%	

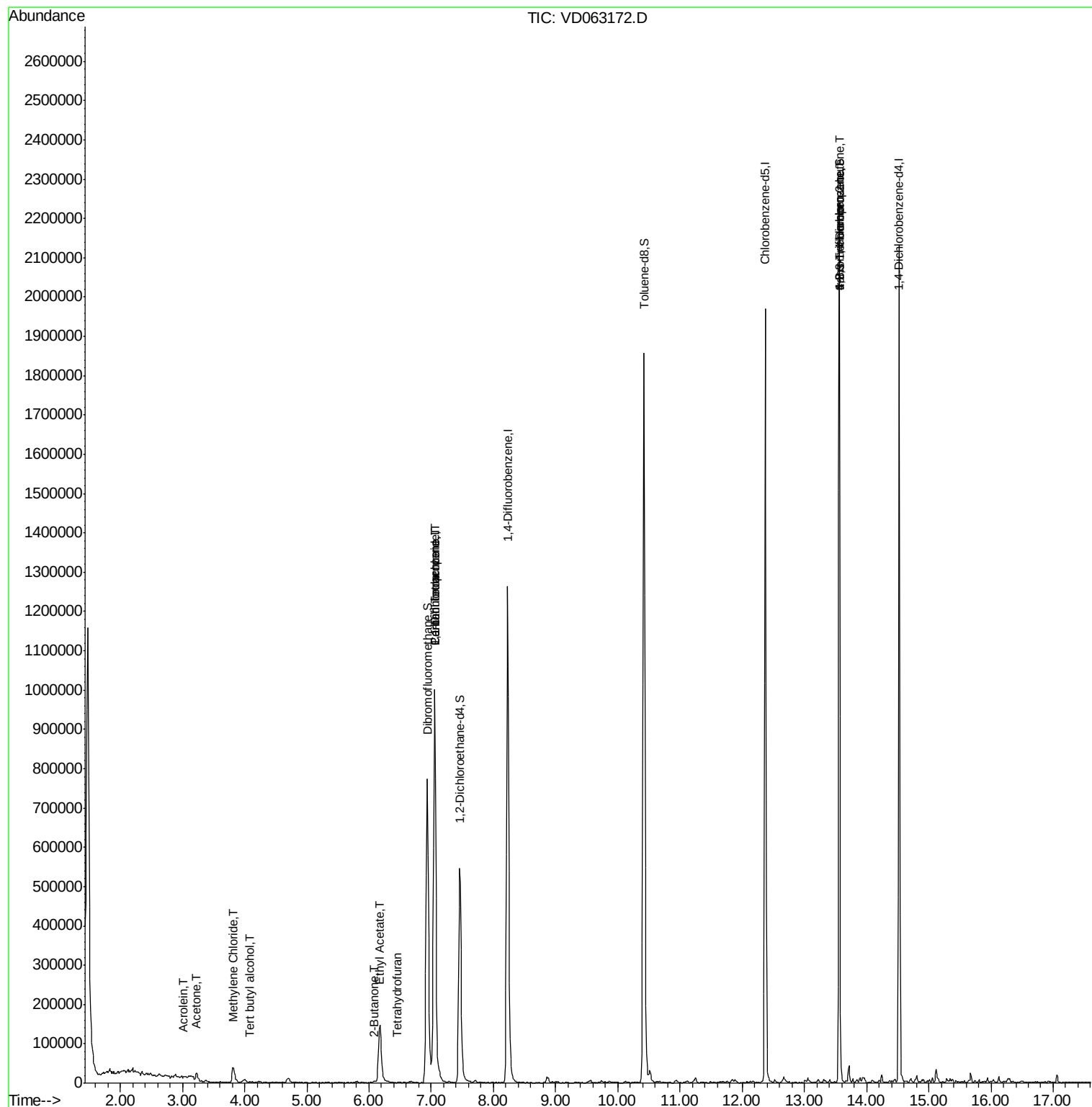
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1512	Below Cal		95
3) Chloromethane	1.77	50	828	Below Cal	#	48
5) Bromomethane	2.13	94	2211	Below Cal	#	13
11) Tert butyl alcohol	4.07	59	3281	4.755	ug/l #	77
13) Acrolein	3.01	56	308	1.479	ug/l #	38
16) Acetone	3.23	43	44842	15.527	ug/l	95
18) Methyl Acetate	3.65	43	1087	Below Cal	#	63
20) Methylene Chloride	3.81	84	25044	2.295	ug/l #	85
25) 2-Butanone	6.07	43	6805	2.468	ug/l #	61
29) Tetrahydrofuran	6.46	42	1933	1.546	ug/l #	60
36) 1,1-Dichloropropene	7.06	75	73097	4.868	ug/l #	49
37) Ethyl Acetate	6.16	43	13249	2.062	ug/l #	16
38) Carbon Tetrachloride	7.06	117	93508	4.098	ug/l #	13
76) 1,2,3-Trichloropropane	13.56	75	256229	34.095	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	275905	139.414	ug/l #	1

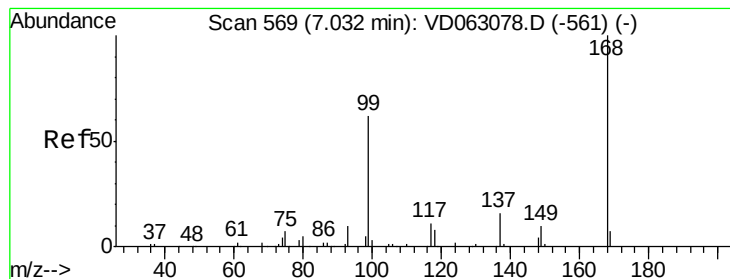
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

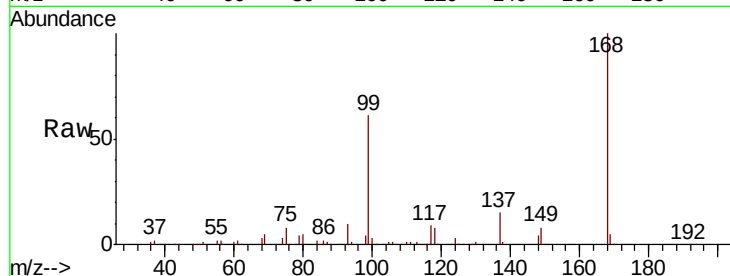
OR-02-071919-A

Tot Ion:168 Resp: 959888

Ion Ratio Lower Upper

168 100

99 60.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

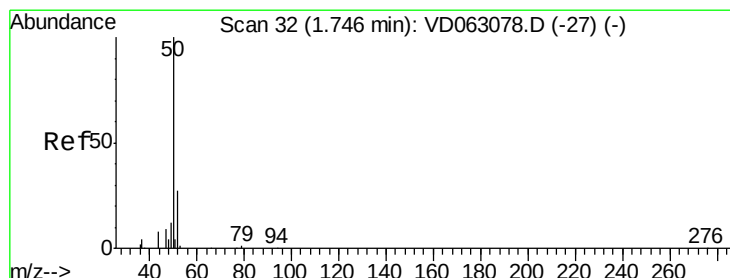
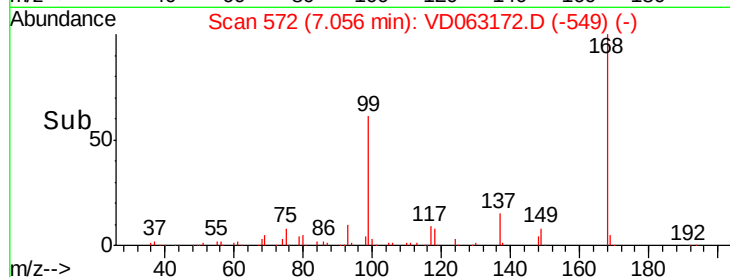
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD063172.D

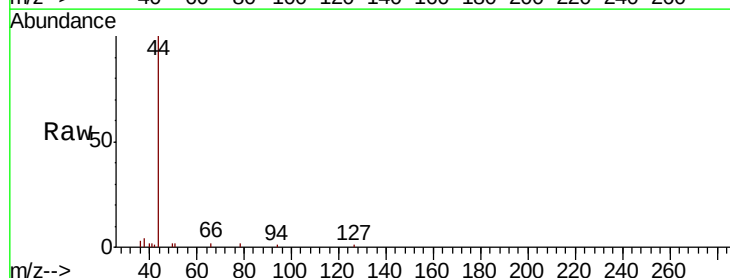
Acq: 22 Jul 2019 13:02

Tgt Ion: 50 Resp: 828

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

600

500

400

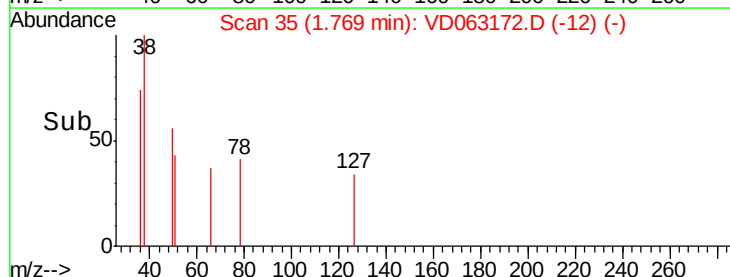
300

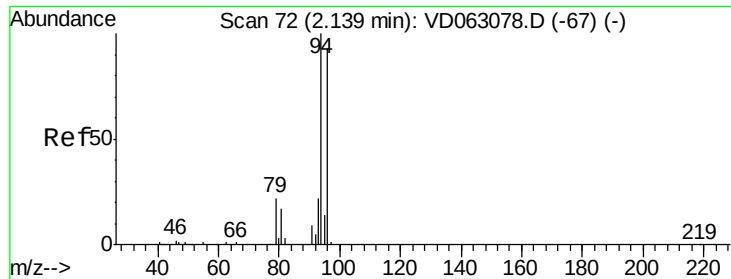
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-A

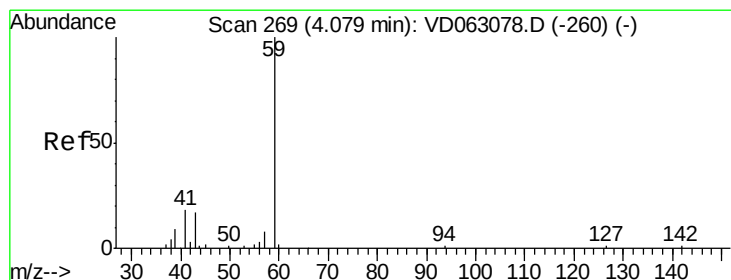
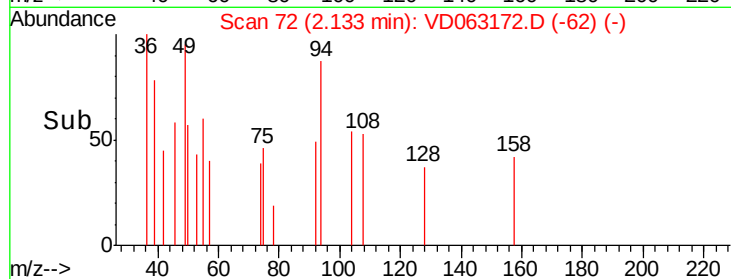
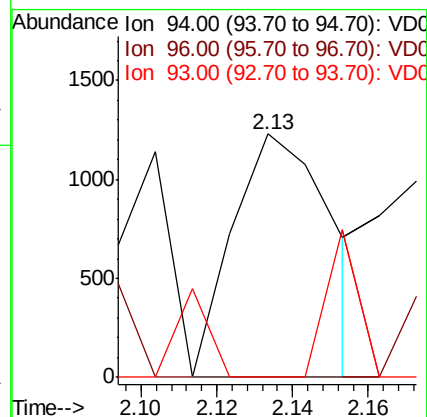
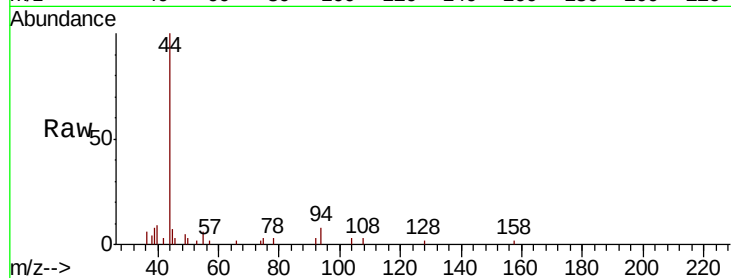
Tot Ion: 94 Resp: 2211

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 4.755 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD063172.D

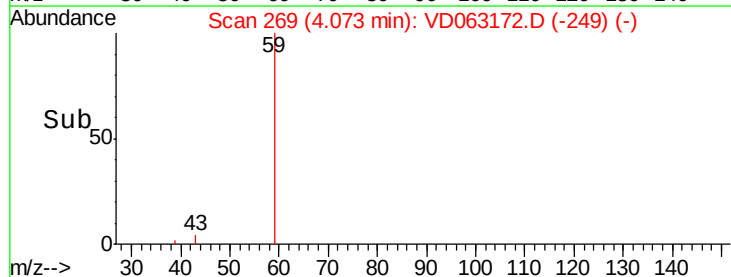
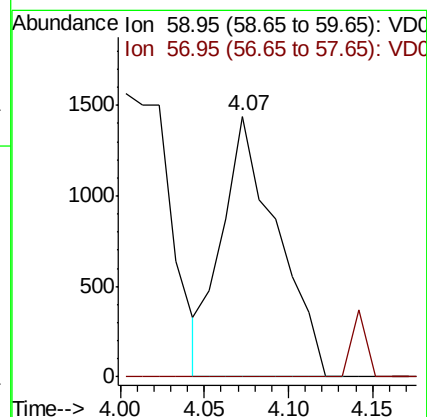
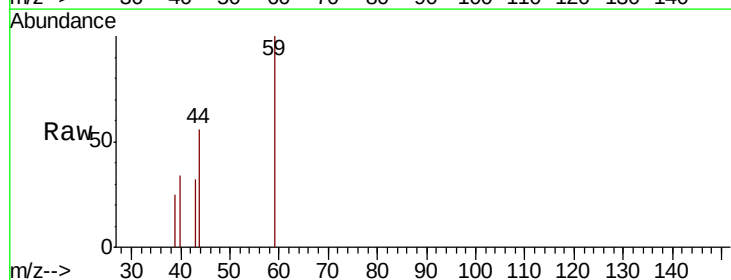
Acq: 22 Jul 2019 13:02

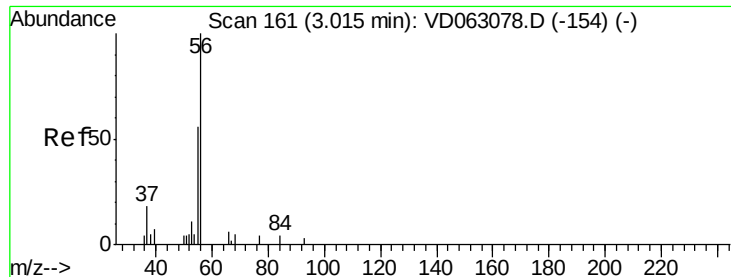
Tgt Ion: 59 Resp: 3281

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 1.479 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

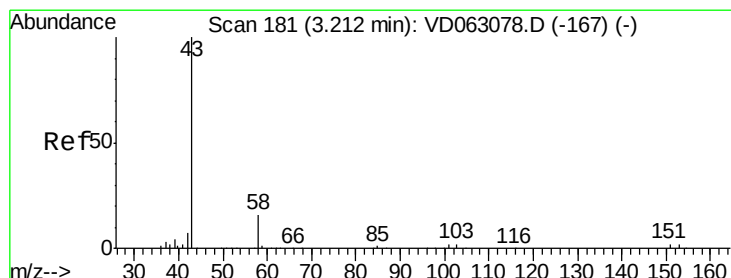
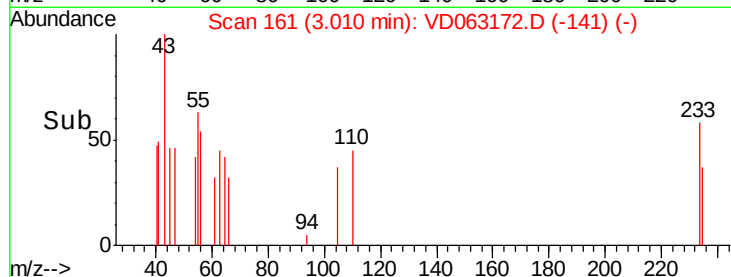
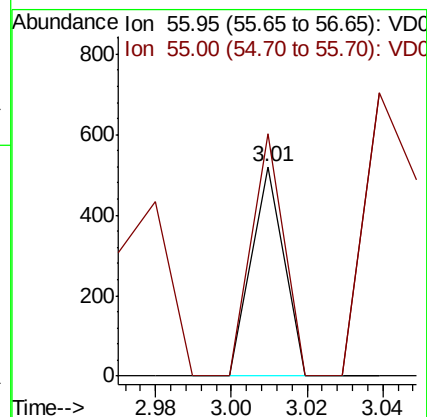
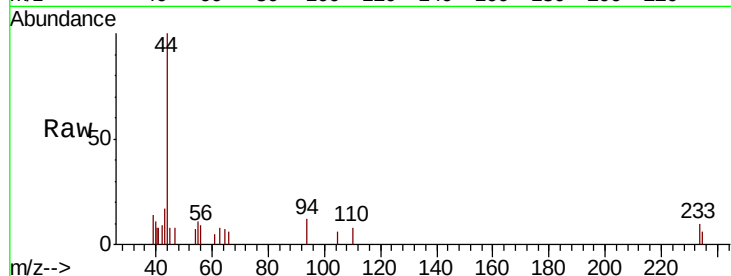
OR-02-071919-A

Tot Ion: 56 Resp: 308

Ion Ratio Lower Upper

56 100

55 115.7 53.0 79.4#



#16

Acetone

Concen: 15.527 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063172.D

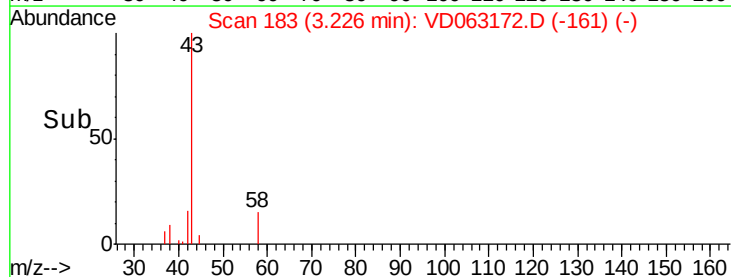
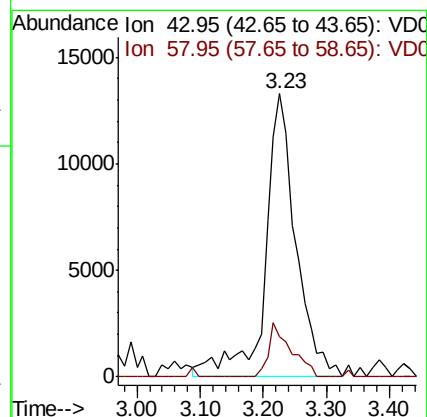
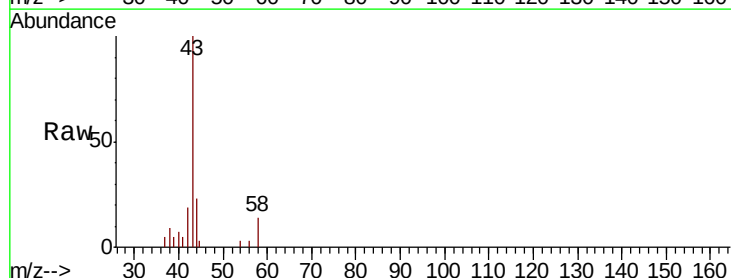
Acq: 22 Jul 2019 13:02

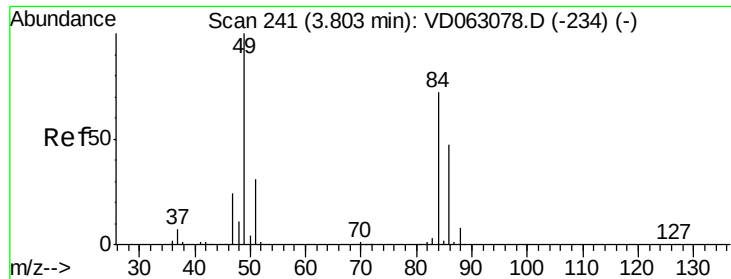
Tgt Ion: 43 Resp: 44842

Ion Ratio Lower Upper

43 100

58 14.1 13.0 19.4

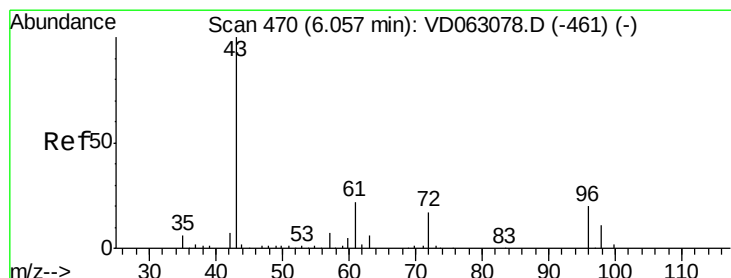
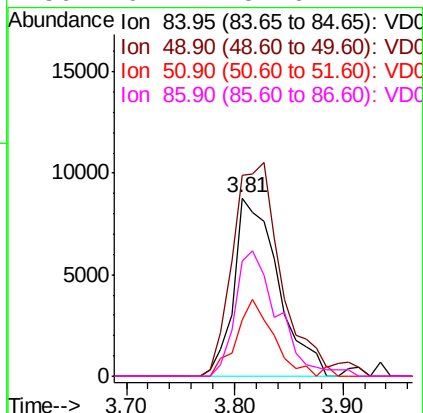
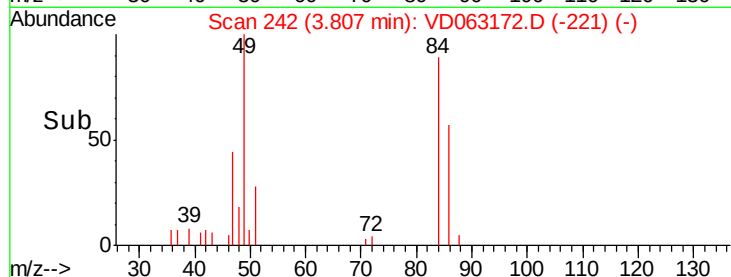
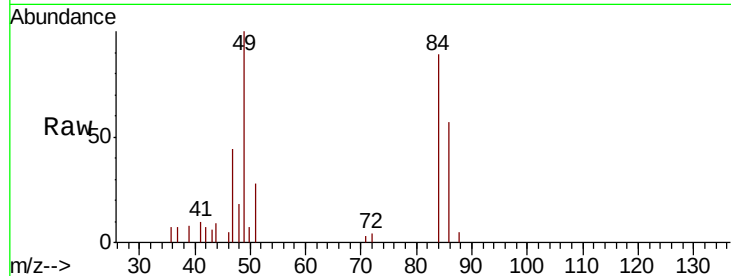




#20
Methvlene Chloride
Concen: 2.295 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD063172.D
Acq: 22 Jul 2019 13:02

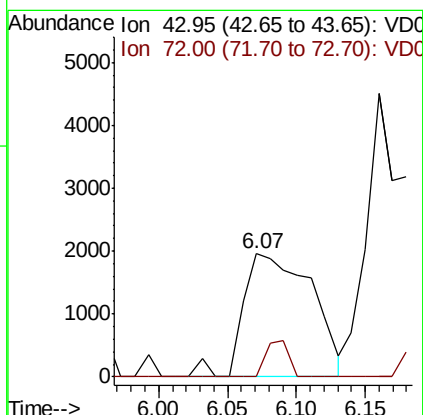
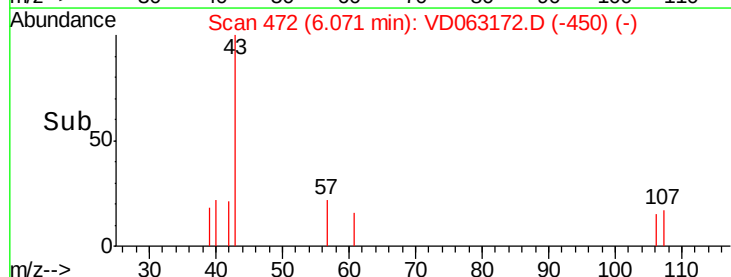
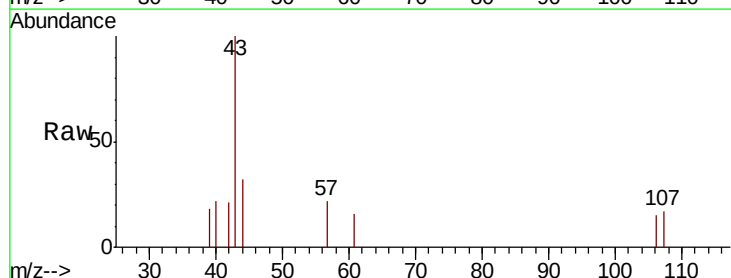
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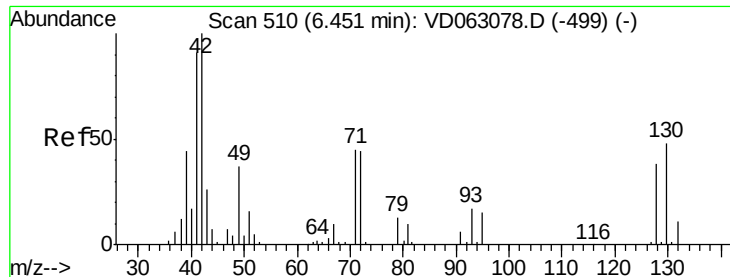
Tot Ion: 84 Resp: 25044
Ion Ratio Lower Upper
84 100
49 112.7 110.5 165.7
51 31.8 34.6 51.8#
86 64.4 51.6 77.4



#25
2-Butanone
Concen: 2.468 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063172.D
Acq: 22 Jul 2019 13:02

Tgt Ion: 43 Resp: 6805
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#





#29

Tetrahydrofuran

Concen: 1.546 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-A

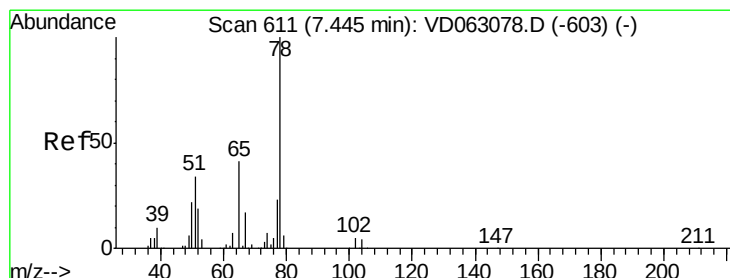
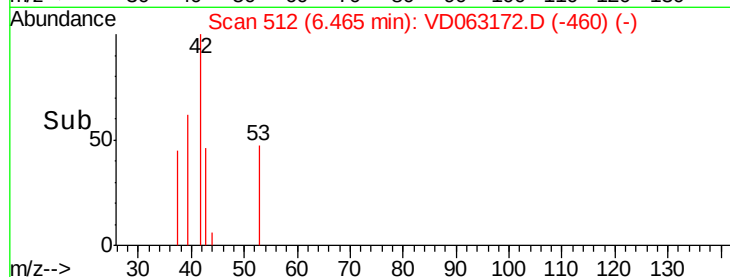
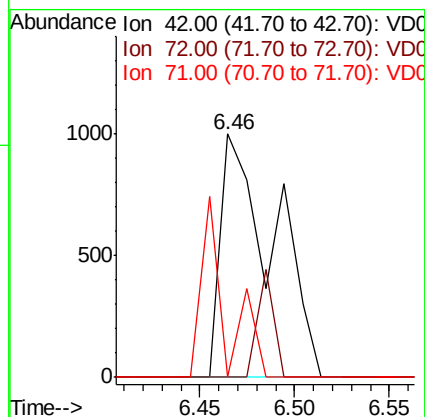
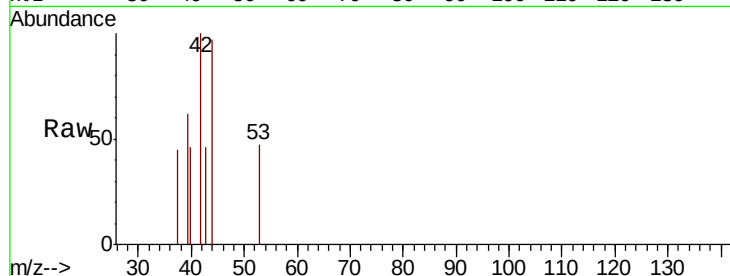
Tot Ion: 42 Resp: 1933

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 33.8 34.2 51.2#



#33

1,2-Dichloroethane-d4

Concen: 54.251 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063172.D

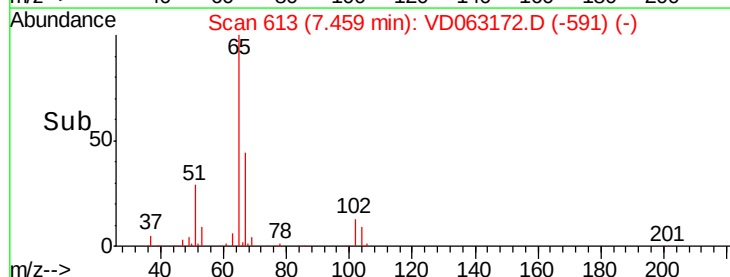
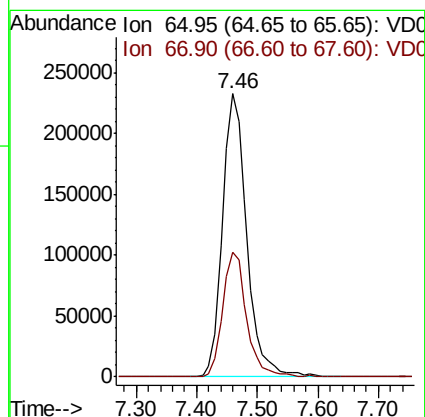
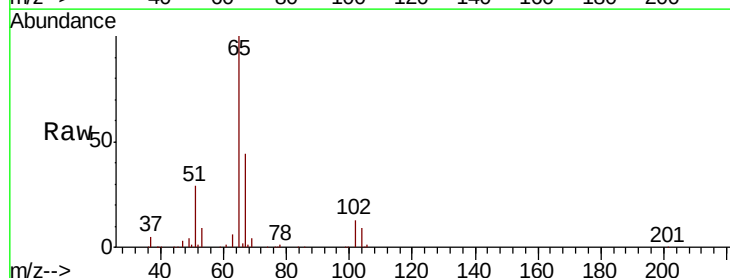
Acq: 22 Jul 2019 13:02

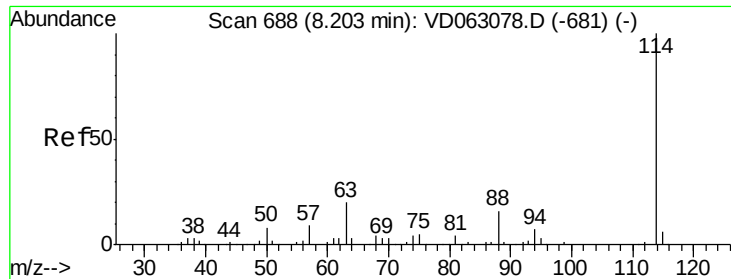
Tgt Ion: 65 Resp: 648696

Ion Ratio Lower Upper

65 100

67 44.1 0.0 86.0

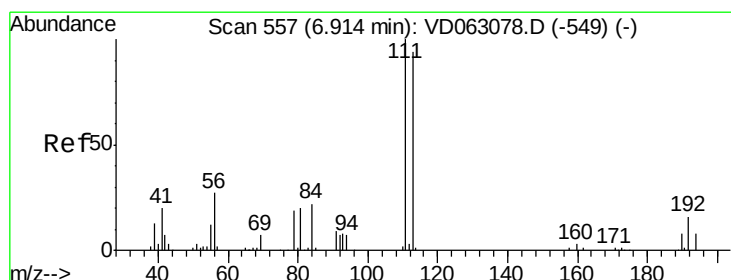
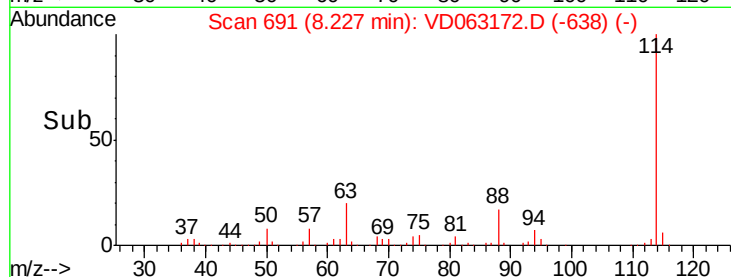
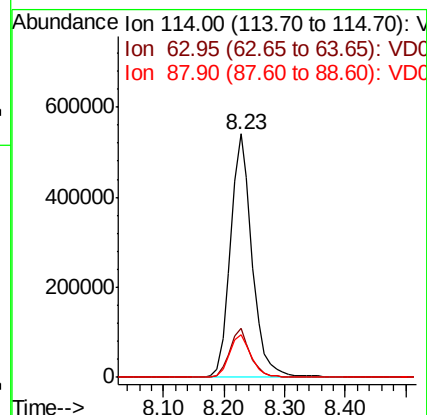
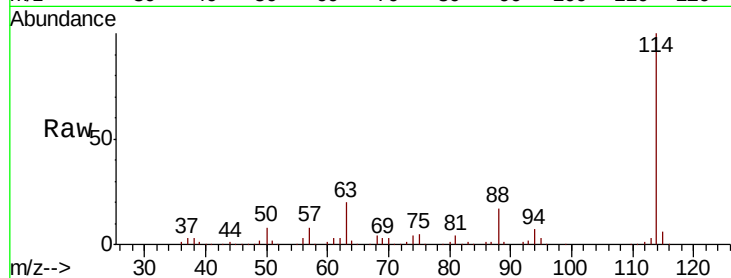




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

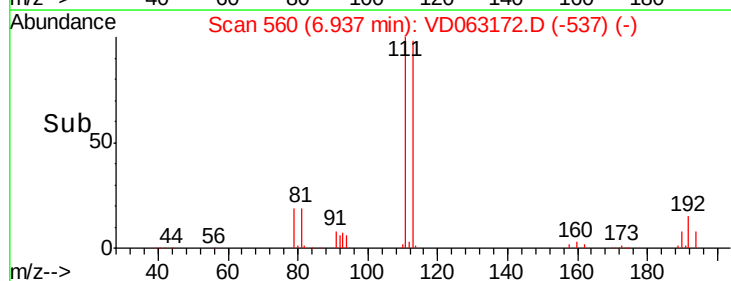
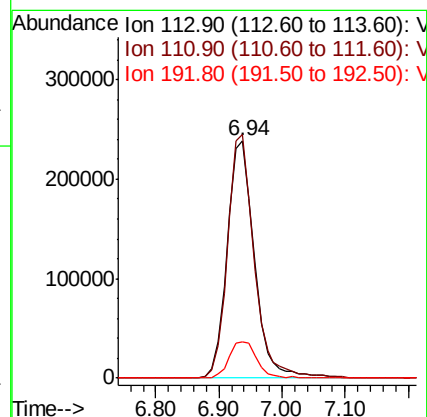
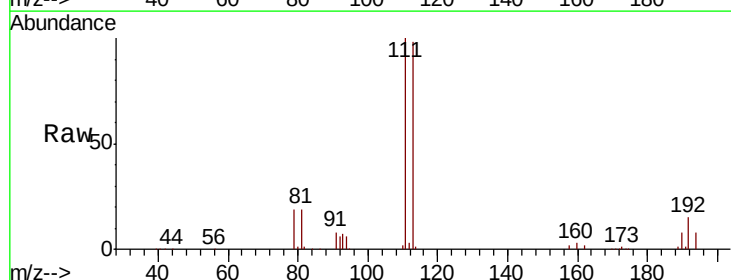
Instrument :
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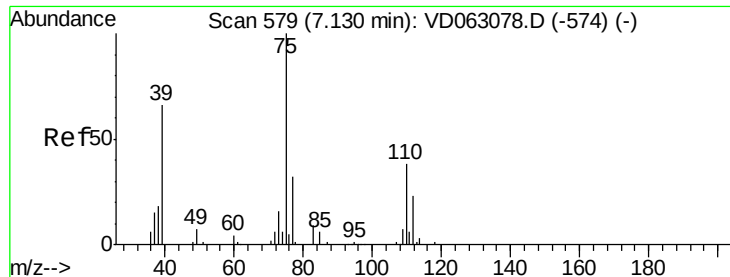
Tot Ion:114 Resp: 1335197
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 17.3 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 53.635 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

Tgt Ion:113 Resp: 713284
 Ion Ratio Lower Upper
 113 100
 111 102.4 84.8 127.2
 192 15.0 13.4 20.0

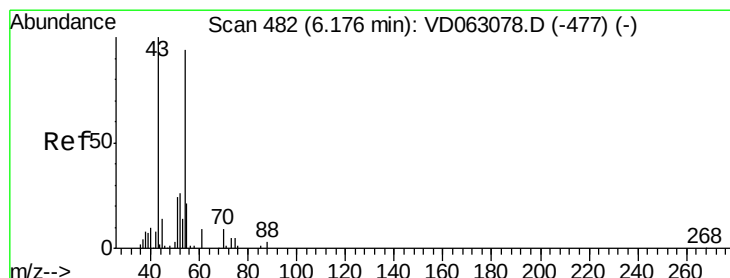
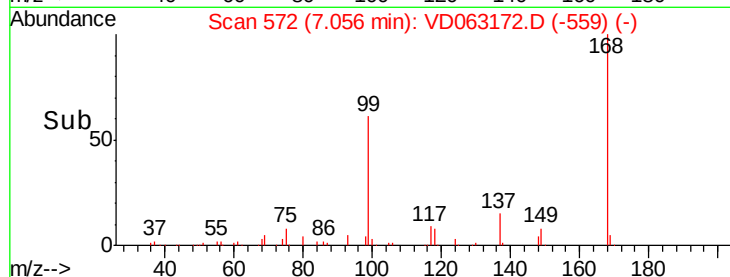
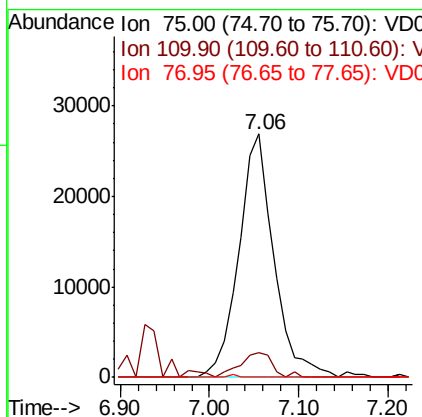
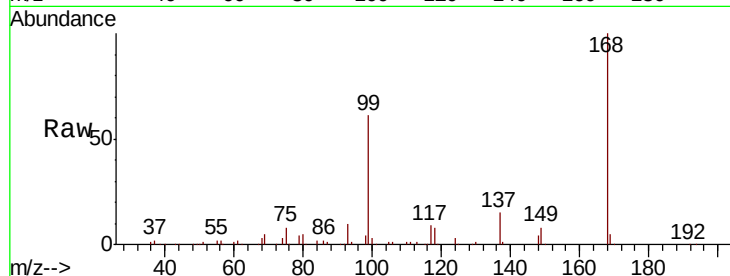




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

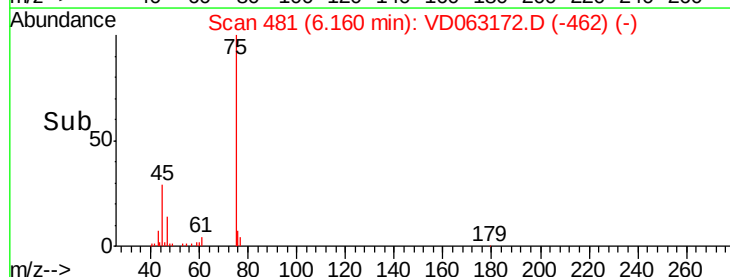
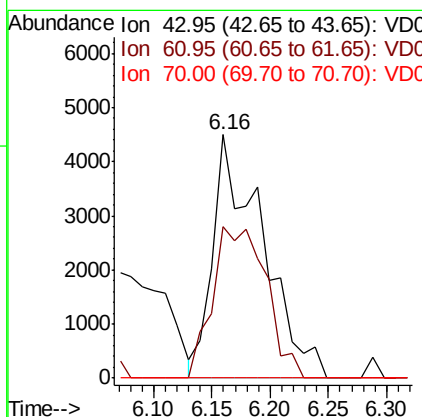
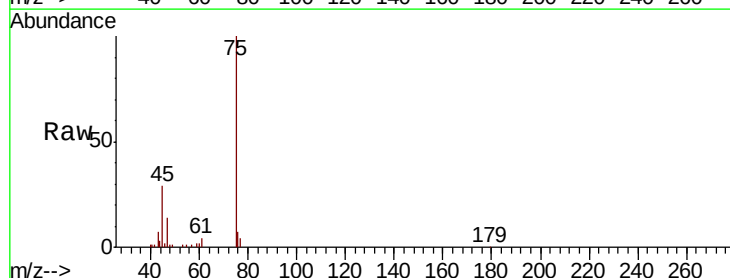
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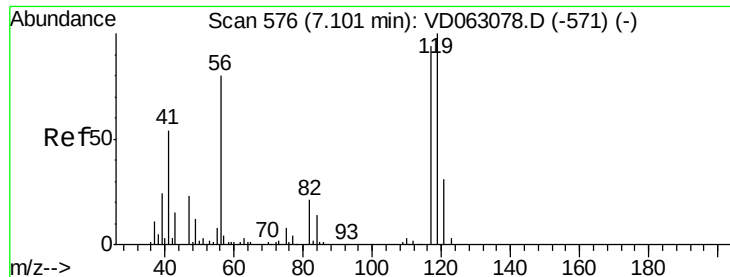
Tot Ion: 75 Resp: 73097
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.9 56.5#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 2.062 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.02 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

Tgt Ion: 43 Resp: 13249
 Ion Ratio Lower Upper
 43 100
 61 62.1 10.6 16.0#
 70 0.0 6.6 9.8#

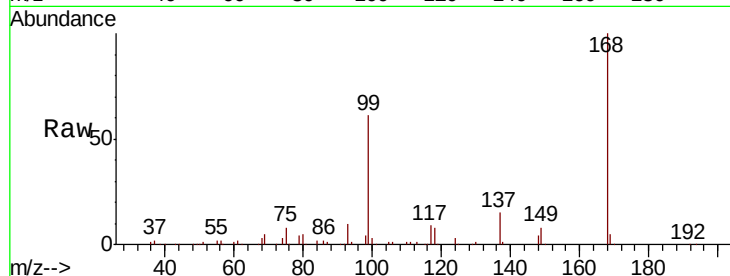




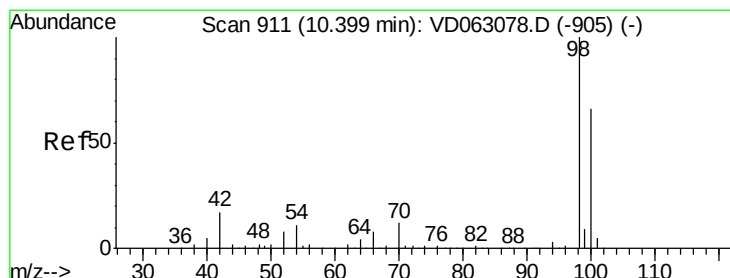
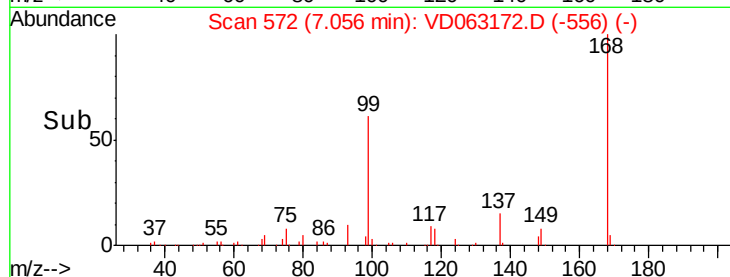
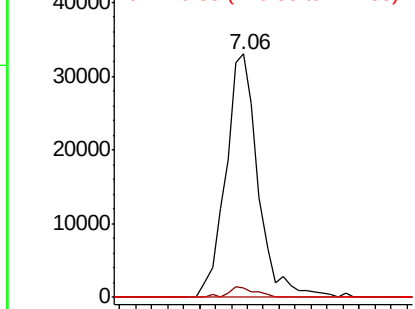
#38
Carbon Tetrachloride
Concen: 4.098 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD063172.D
Acq: 22 Jul 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-A

Tot Ion:117 Resp: 93508
Ion Ratio Lower Upper
117 100
119 4.0 80.0 120.0#
121 0.0 25.0 37.4#

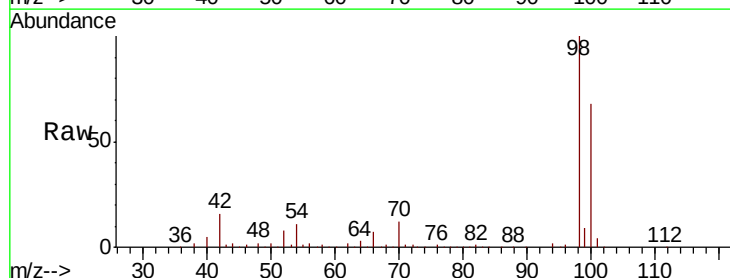


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

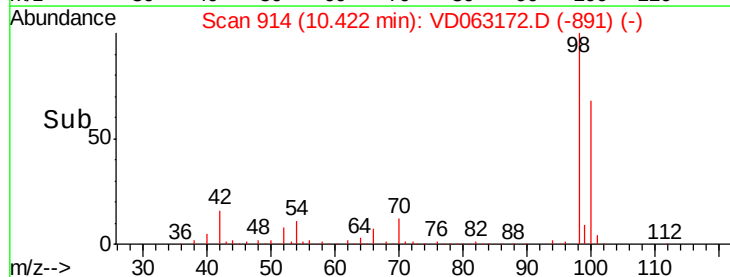
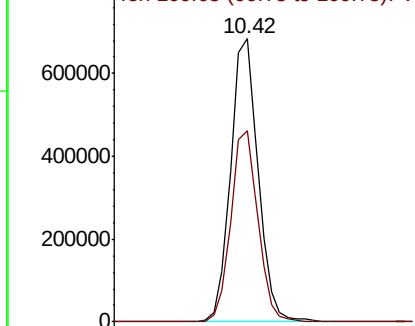


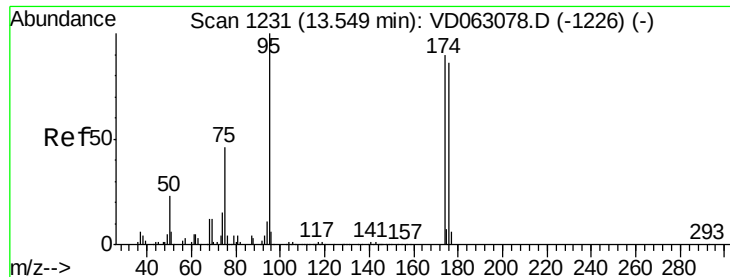
#50
Toluene-d8
Concen: 54.428 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063172.D
Acq: 22 Jul 2019 13:02

Tgt Ion: 98 Resp: 1554808
Ion Ratio Lower Upper
98 100
100 67.7 53.5 80.3



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

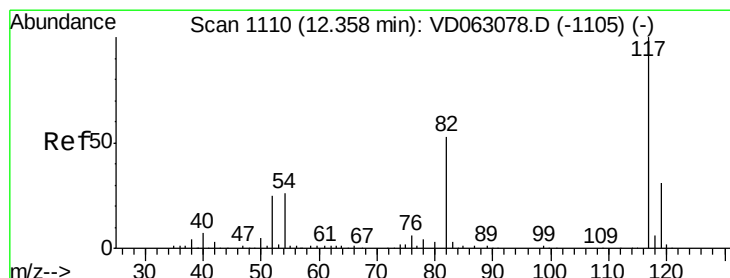
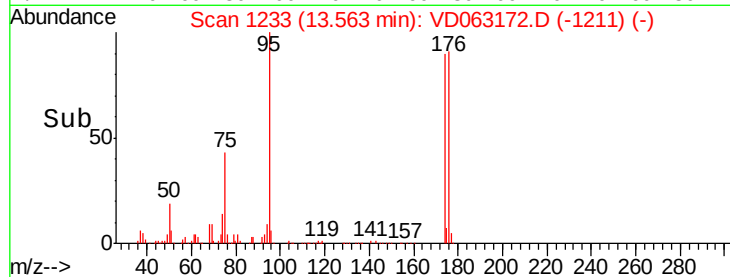
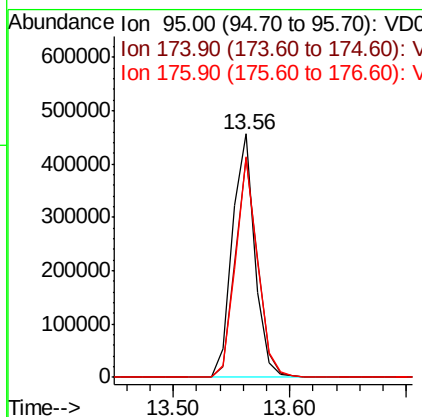
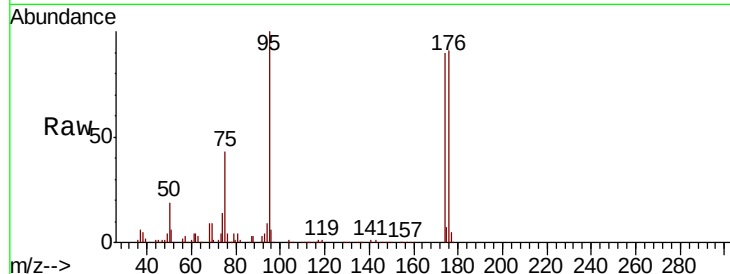




#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063172.D
Acq: 22 Jul 2019 13:02

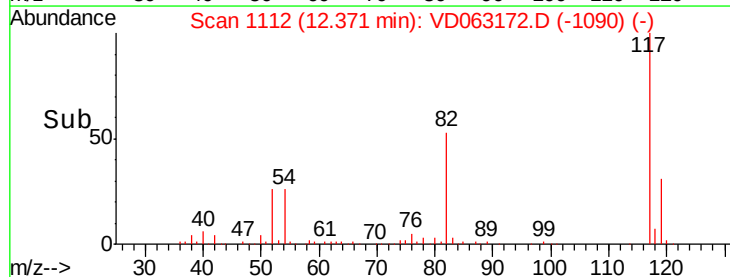
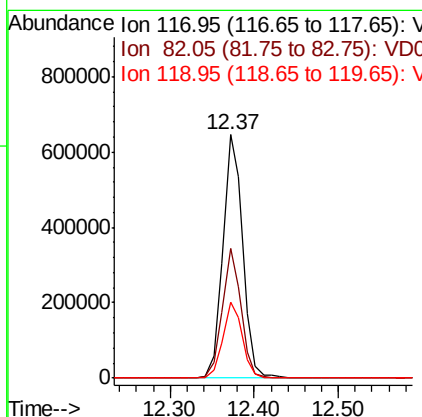
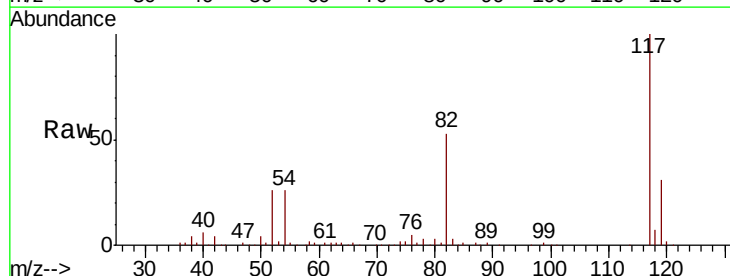
Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-A

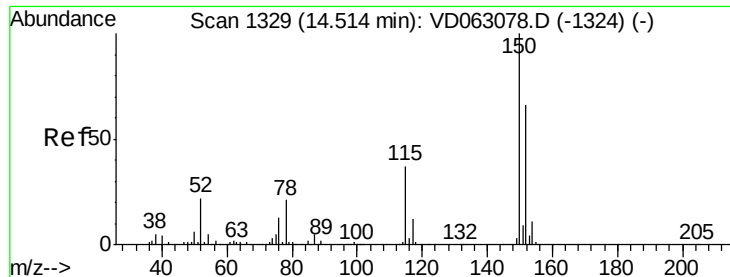
Tot Ion: 95 Resp: 610401
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.6
176 90.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063172.D
Acq: 22 Jul 2019 13:02

Tgt Ion: 117 Resp: 1050348
Ion Ratio Lower Upper
117 100
82 53.0 42.3 63.5
119 31.2 25.2 37.8

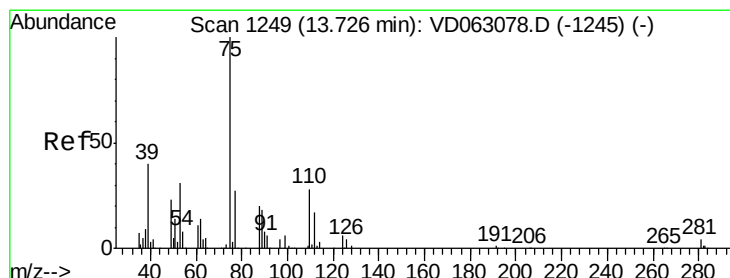
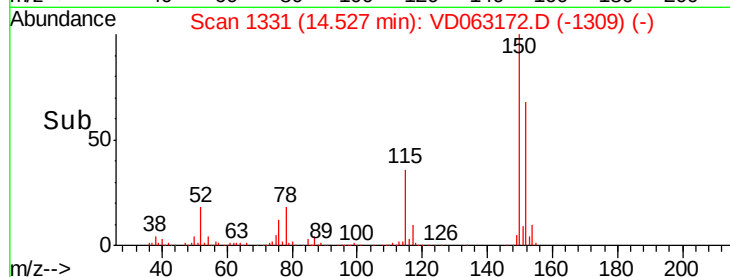
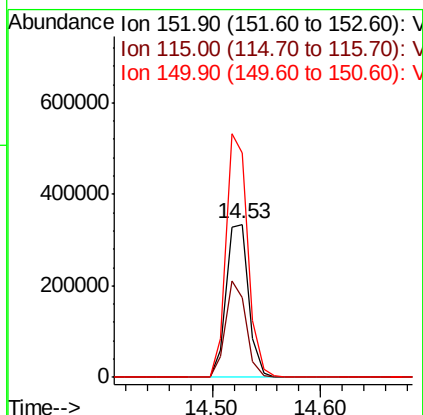
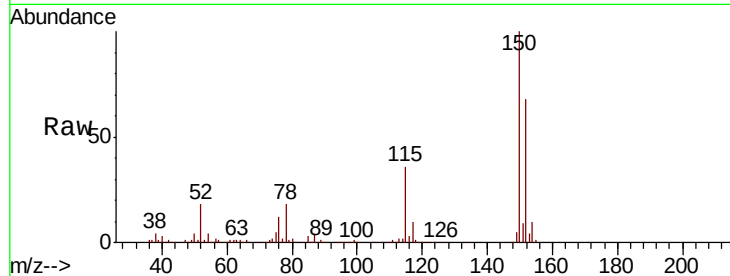




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

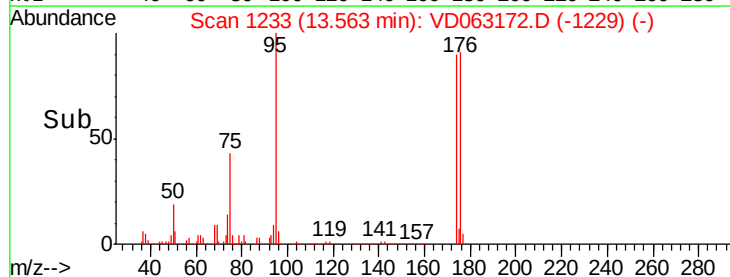
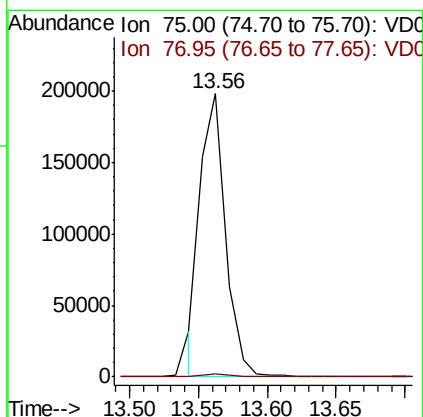
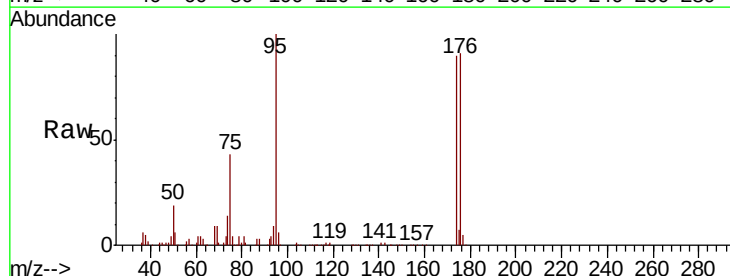
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-A

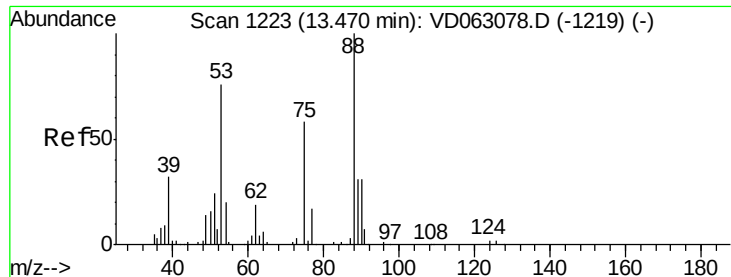
Tot Ion:152 Resp: 488543
 Ion Ratio Lower Upper
 152 100
 115 52.1 28.9 86.8
 150 146.5 0.0 313.8



#76
 1,2,3-Trichloropropane
 Concen: 34.095 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

Tgt Ion: 75 Resp: 256229
 Ion Ratio Lower Upper
 75 100
 77 1.0 16.3 48.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 139.414 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-A

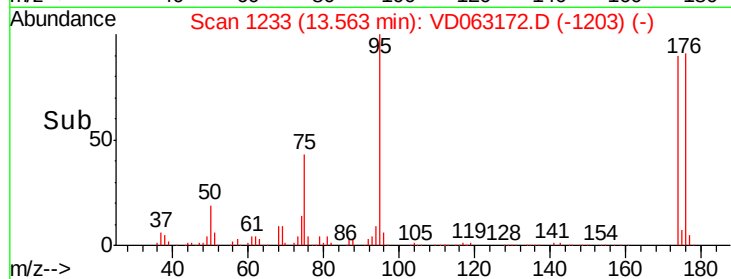
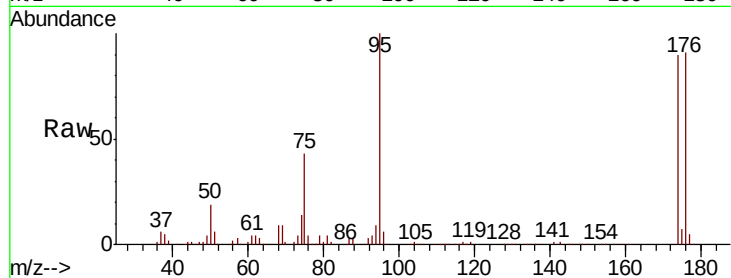
Tot Ion: 75 Resp: 275905

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



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

