

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062976.D
 Acq On : 28 Jun 2019 19:57
 Operator : VA/AP
 Sample : K3555-13
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-12

Quant Time: Jun 29 00:17:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	564276	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.18	114	771764	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	577505	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	233439	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	318573	51.94	ug/l	-0.05
Spiked Amount			Recovery	=	103.88%	
35) Dibromofluoromethane	6.89	113	325327	49.99	ug/l	-0.04
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.39	98	673107	47.52	ug/l	-0.03
Spiked Amount			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	13.54	95	237143	36.82	ug/l	-0.02
Spiked Amount			Recovery	=	73.64%	

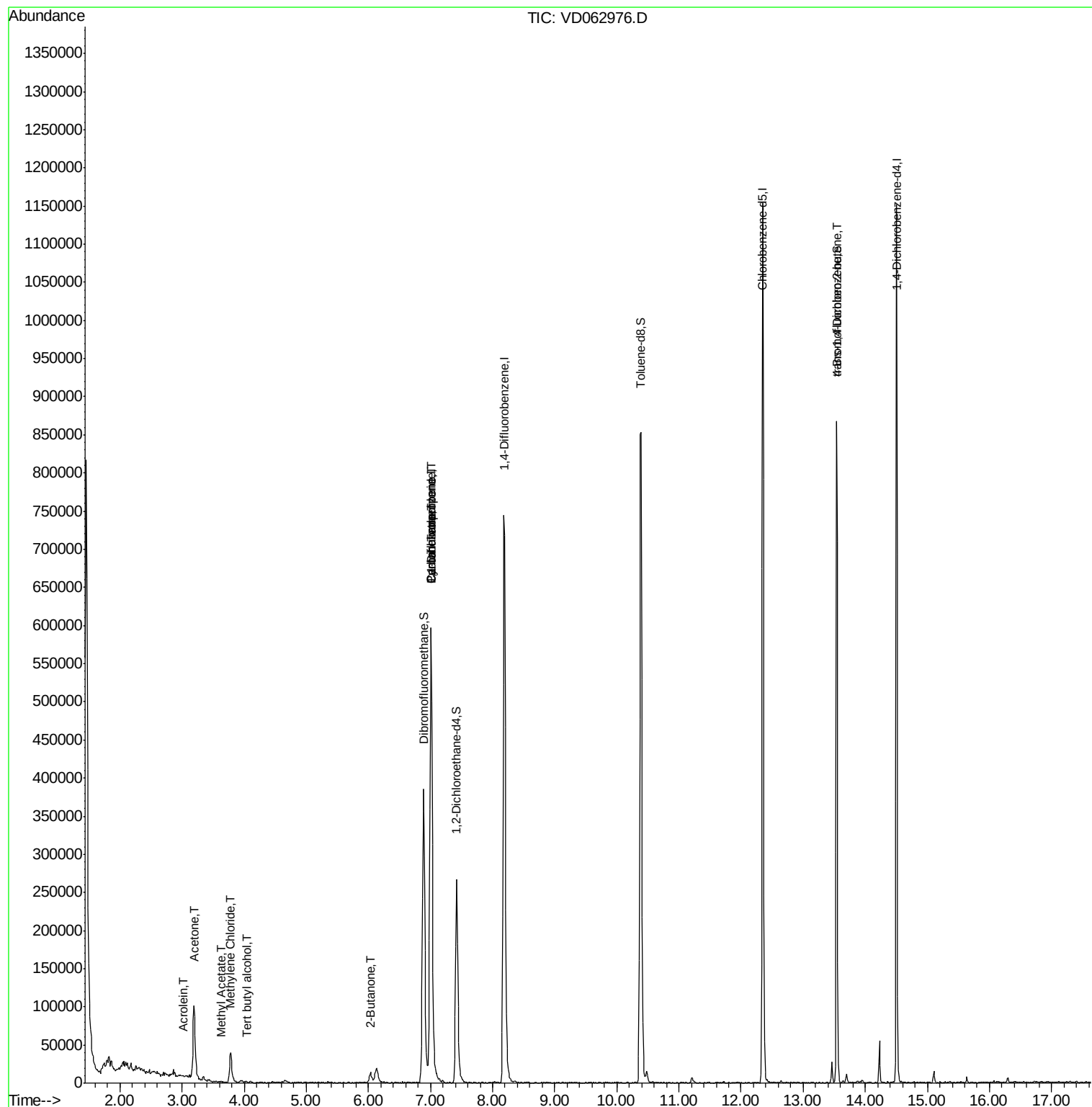
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	561	2.008	ug/l #	77
13) Acrolein	3.03	56	643	2.255	ug/l #	15
16) Acetone	3.19	43	199306	157.650	ug/l	97
18) Methyl Acetate	3.63	43	2859	1.544	ug/l #	58
20) Methylene Chloride	3.77	84	20780	4.442	ug/l #	79
25) 2-Butanone	6.04	43	26442	23.050	ug/l #	66
31) Cyclohexane	7.01	56	13696	2.378	ug/l #	2
36) 1,1-Dichloropropene	7.01	75	45368	6.210	ug/l #	51
37) Ethyl Acetate	6.16	43	2101	Below Cal	#	67
38) Carbon Tetrachloride	7.00	117	57753	5.256	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	120255	170.263	ug/l #	2

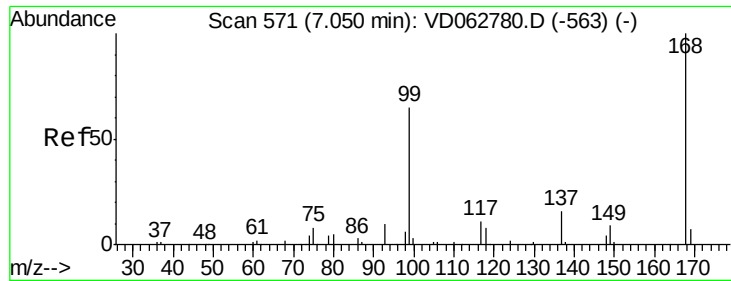
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

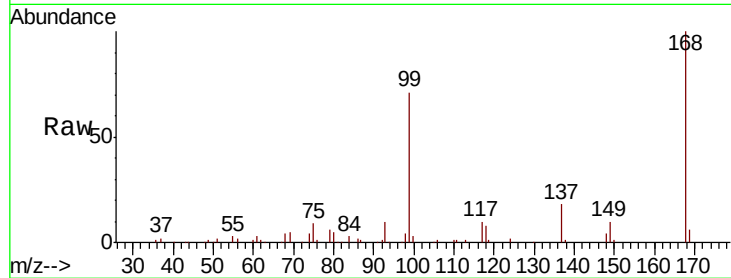
SAMPLE-12

Tot Ion:168 Resp: 564276

Ion Ratio Lower Upper

168 100

99 70.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

200000

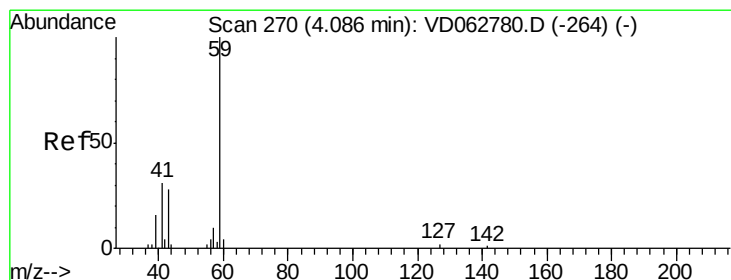
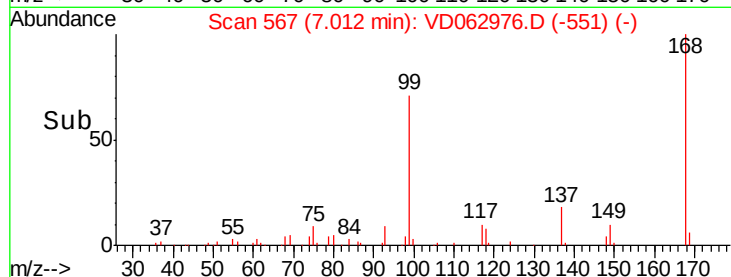
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.008 ug/l

RT: 4.04 min Scan# 265

Delta R.T. -0.05 min

Lab File: VD062976.D

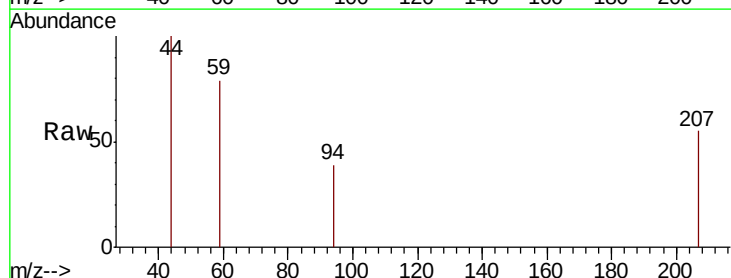
Acq: 28 Jun 2019 19:57

Tgt Ion: 59 Resp: 561

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.04

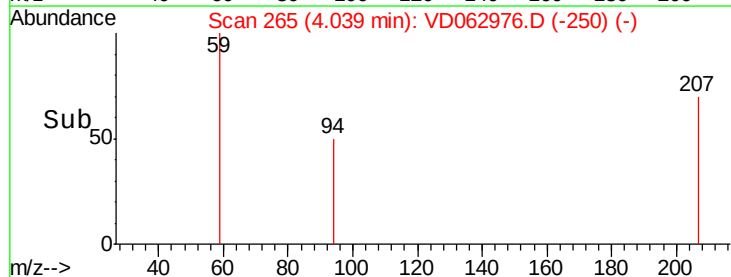
600

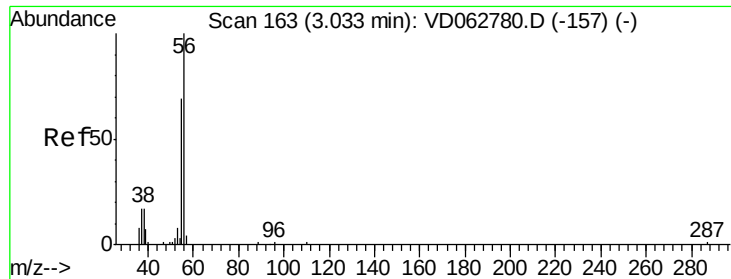
400

200

0

Time-->





#13

Acrolein

Concen: 2.255 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

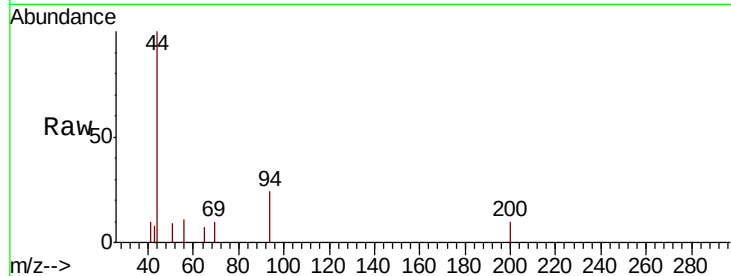
SAMPLE-12

Tot Ion: 56 Resp: 643

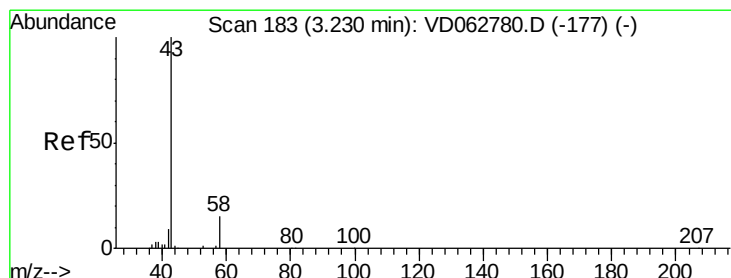
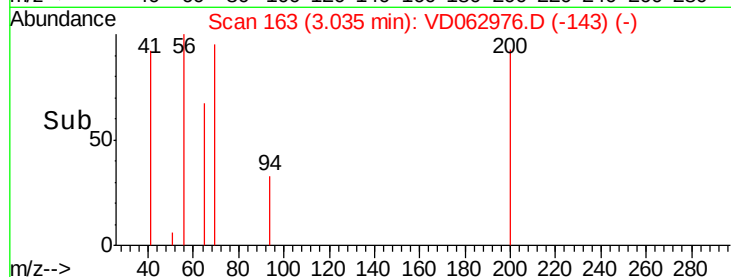
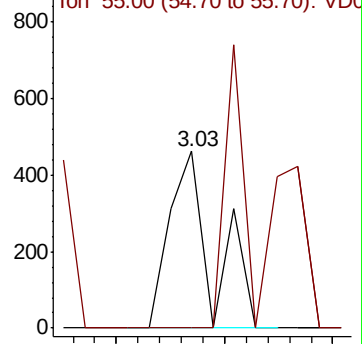
Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC



#16

Acetone

Concen: 157.650 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.04 min

Lab File: VD062976.D

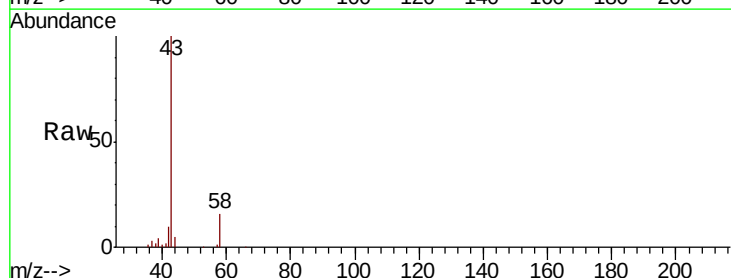
Acq: 28 Jun 2019 19:57

Tgt Ion: 43 Resp: 199306

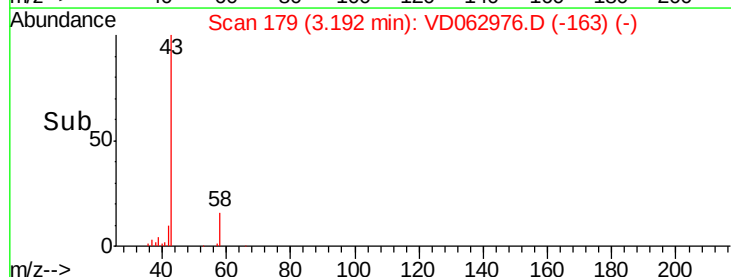
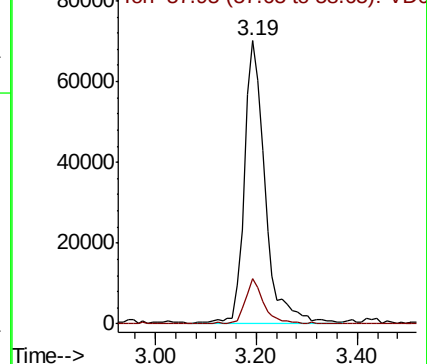
Ion Ratio Lower Upper

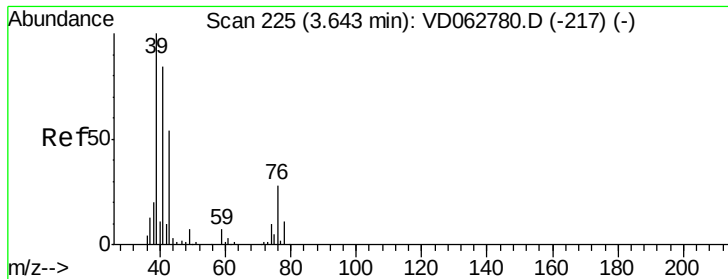
43 100

58 16.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

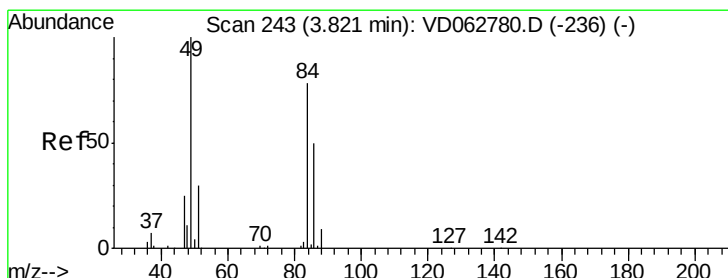
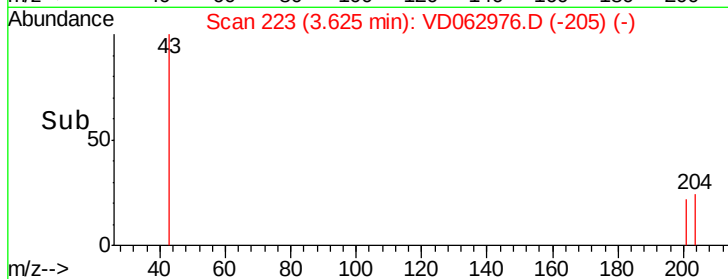
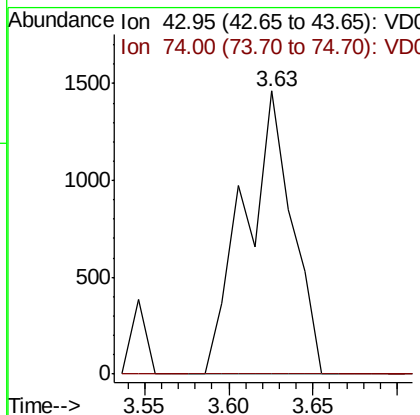
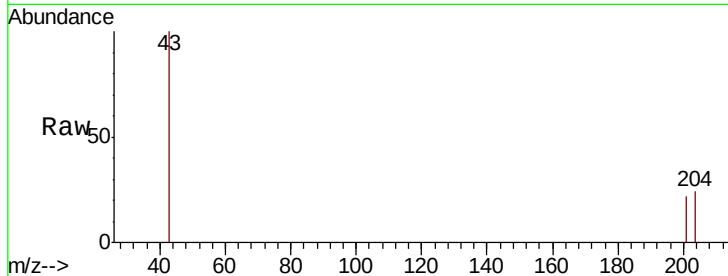




#18
Methvl Acetate
Concen: 1.544 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062976.D
Acq: 28 Jun 2019 19:57

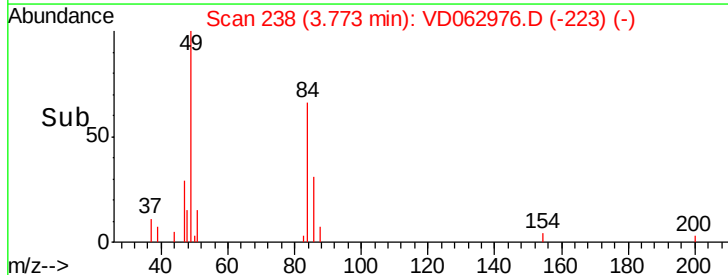
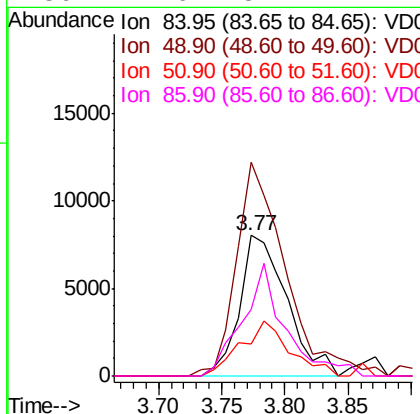
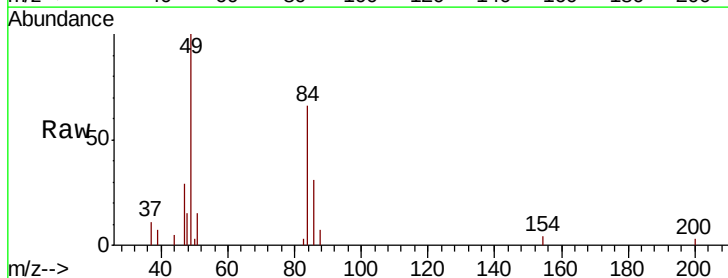
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-12

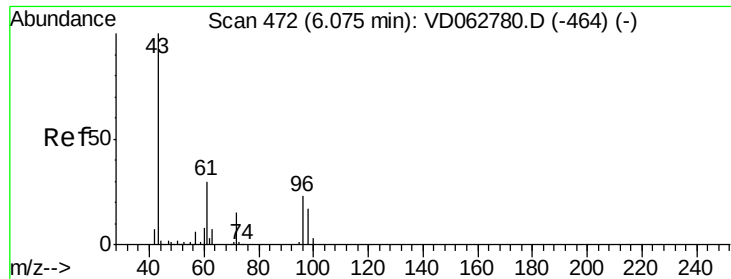
Tot Ion: 43 Resp: 2859
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#20
Methylene Chloride
Concen: 4.442 ug/l
RT: 3.77 min Scan# 238
Delta R.T. -0.05 min
Lab File: VD062976.D
Acq: 28 Jun 2019 19:57

Tgt Ion: 84 Resp: 20780
Ion Ratio Lower Upper
84 100
49 151.7 102.9 154.3
51 23.1 31.2 46.8#
86 47.6 51.4 77.2#





#25

2-Butanone

Concen: 23.050 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.04 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

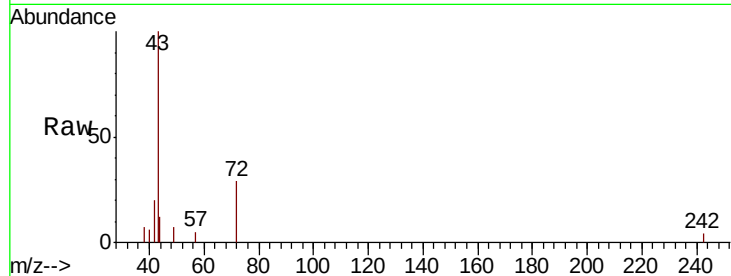
SAMPLE-12

Tot Ion: 43 Resp: 26442

Ion Ratio Lower Upper

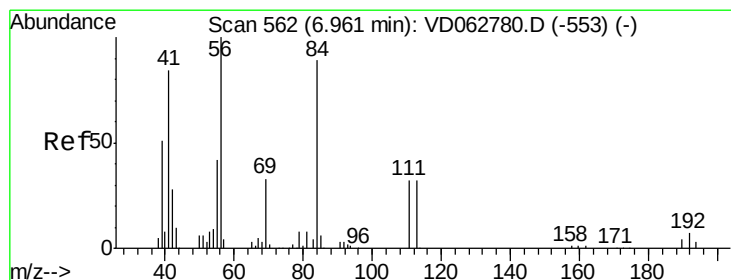
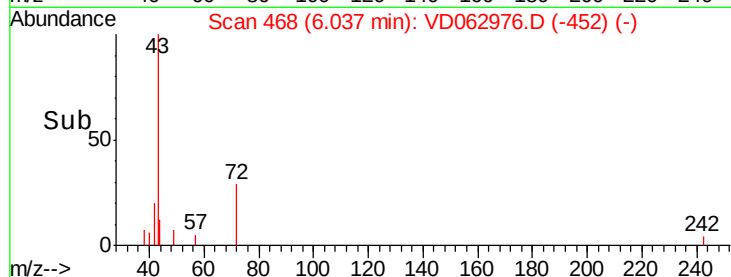
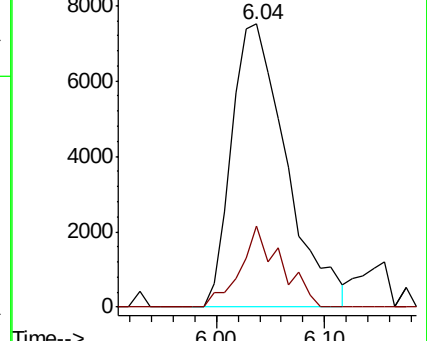
43 100

72 28.8 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.378 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.05 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

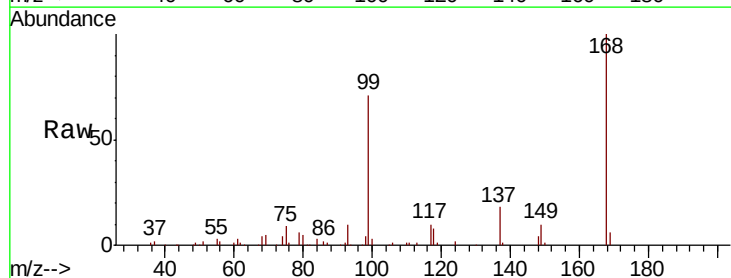
Tgt Ion: 56 Resp: 13696

Ion Ratio Lower Upper

56 100

69 205.7 26.6 39.8#

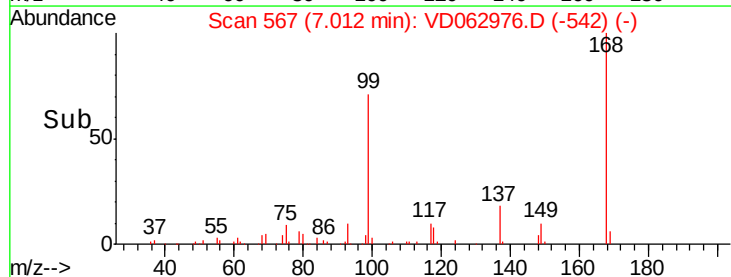
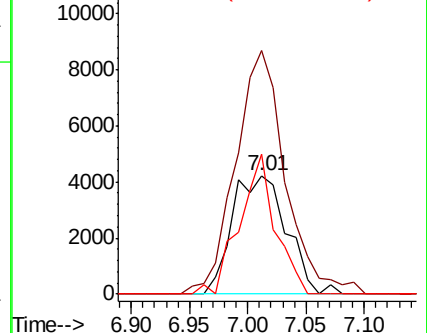
84 118.6 75.5 113.3#

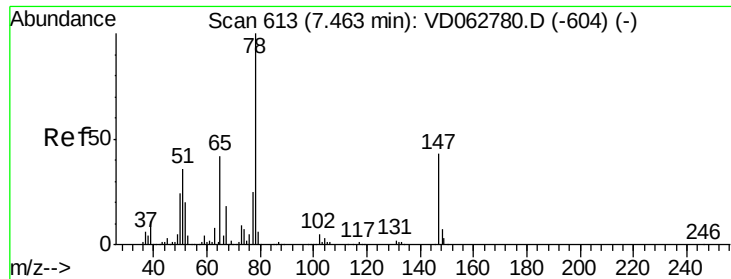


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.939 ug/l

RT: 7.42 min Scan# 608

Delta R.T. -0.05 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

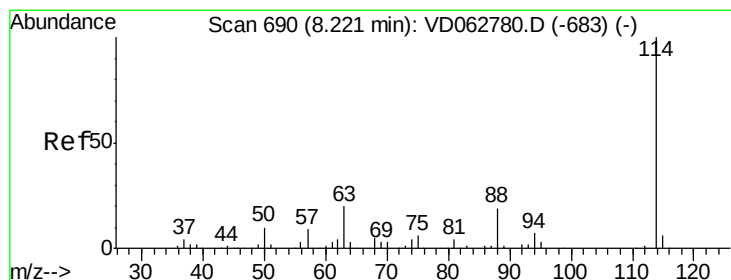
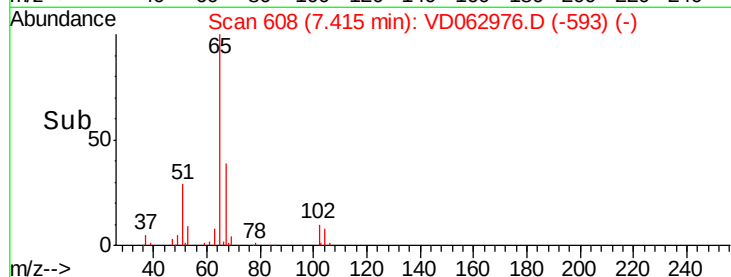
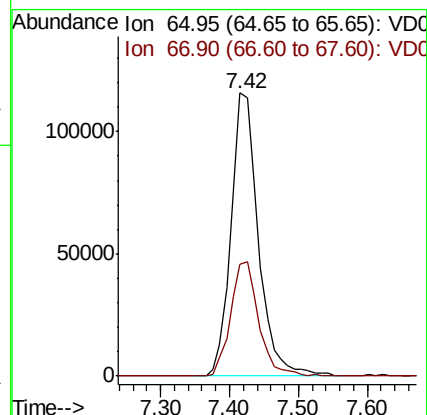
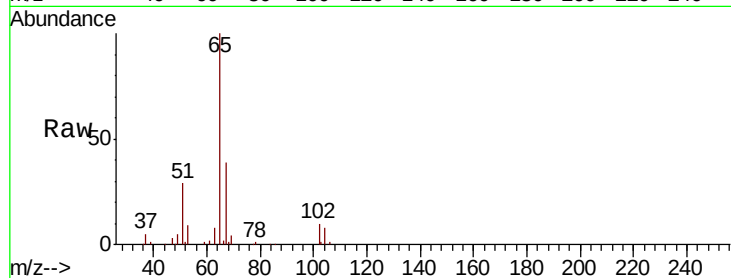
SAMPLE-12

Tot Ion: 65 Resp: 318573

Ion Ratio Lower Upper

65 100

67 39.5 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.18 min Scan# 686

Delta R.T. -0.04 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

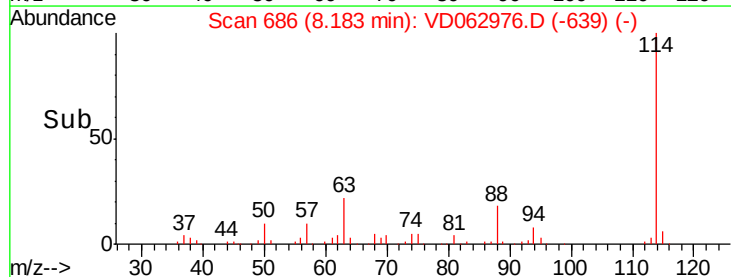
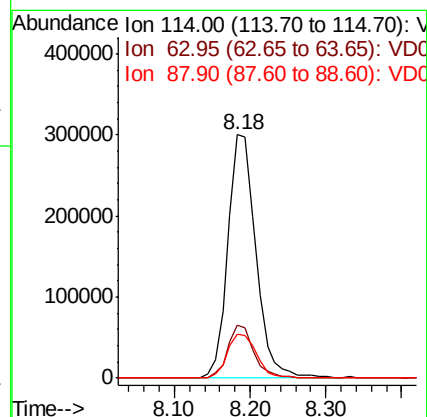
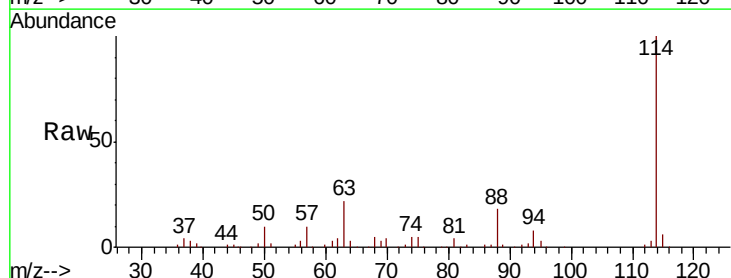
Tgt Ion: 114 Resp: 771764

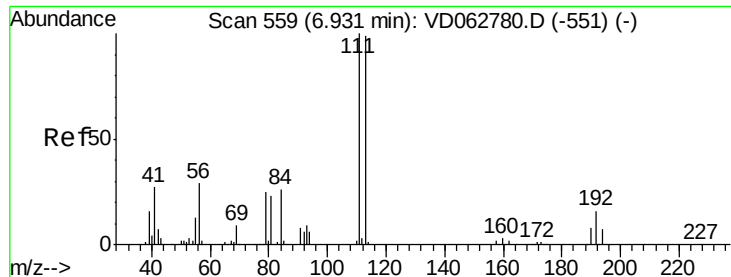
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 18.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 49.993 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-12

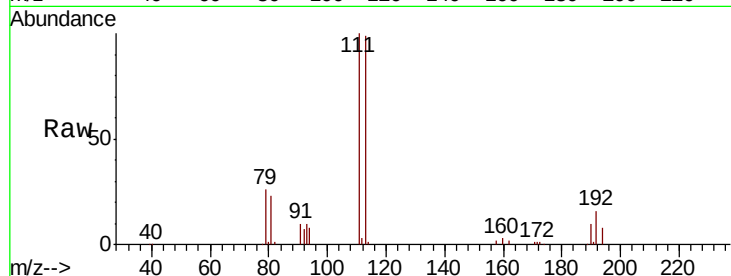
Tot Ion:113 Resp: 325327

Ion Ratio Lower Upper

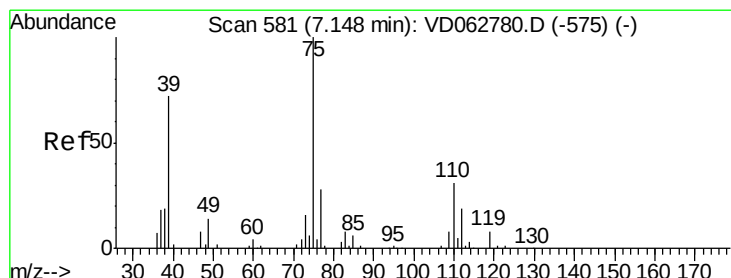
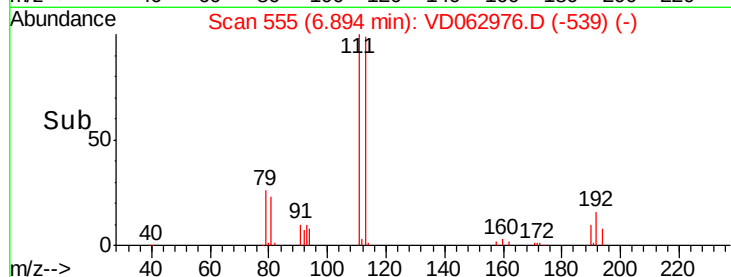
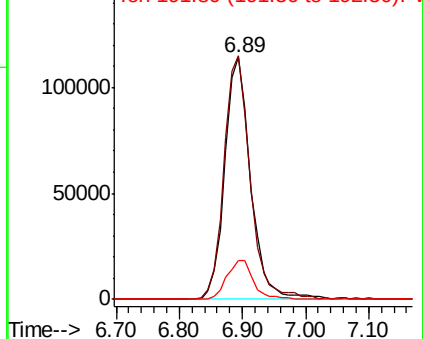
113 100

111 100.7 81.2 121.8

192 16.0 12.9 19.3



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: 6.210 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

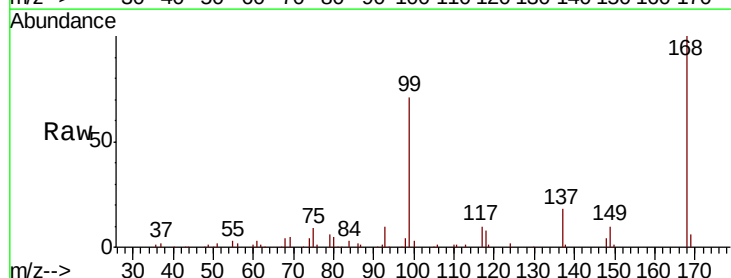
Tgt Ion: 75 Resp: 45368

Ion Ratio Lower Upper

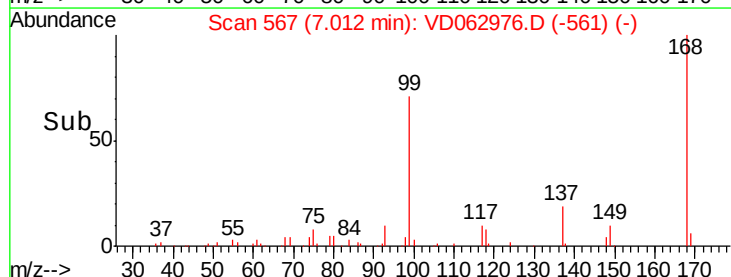
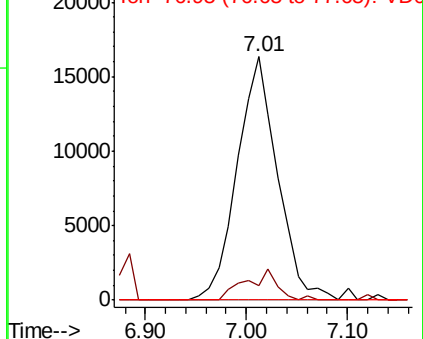
75 100

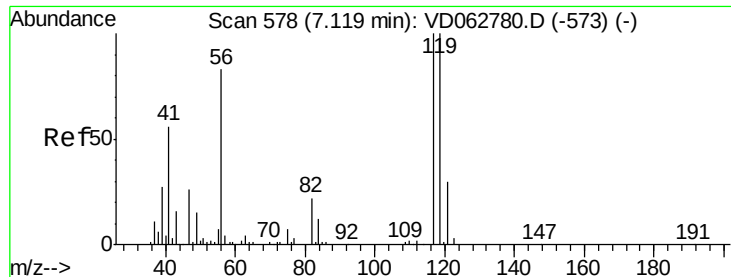
110 5.9 15.0 45.1#

77 0.0 22.2 33.2#



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

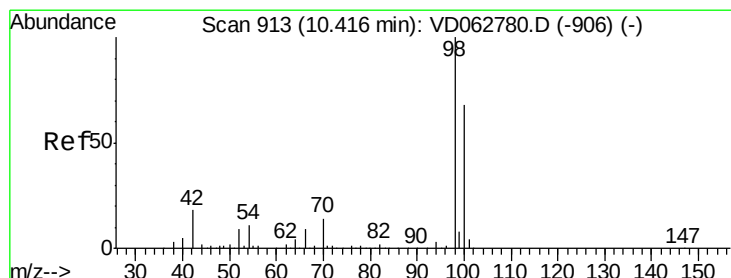
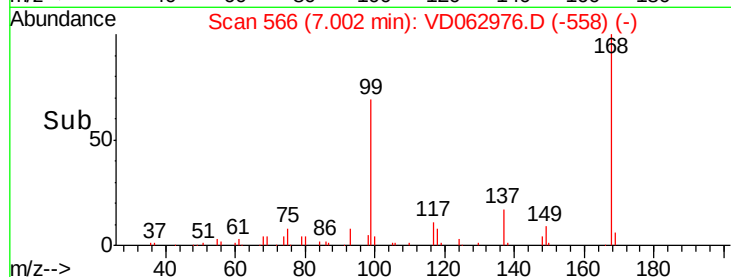
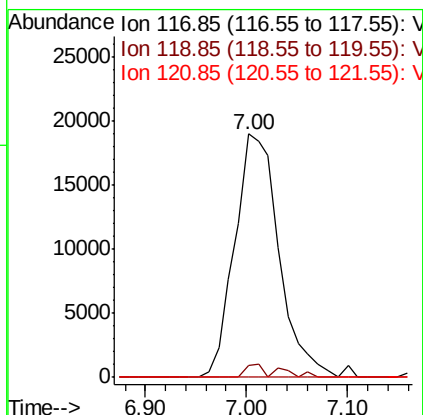
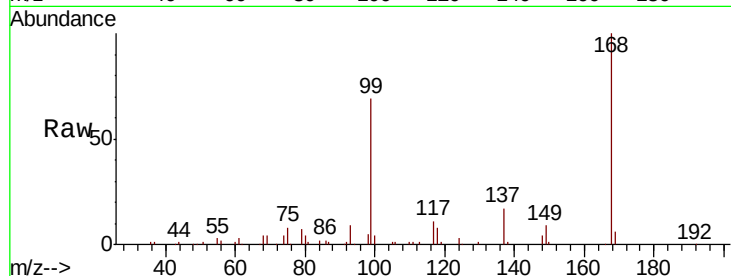




#38
Carbon Tetrachloride
Concen: 5.256 ug/l
RT: 7.00 min Scan# 566
Delta R.T. -0.12 min
Lab File: VD062976.D
Acq: 28 Jun 2019 19:57

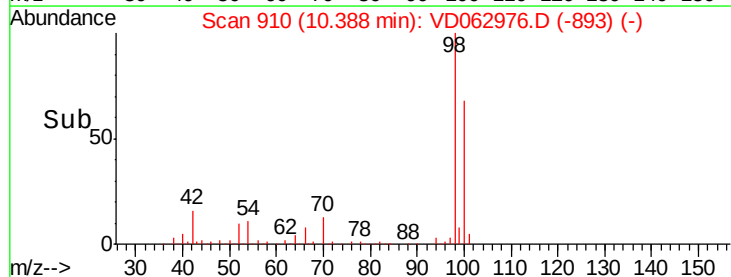
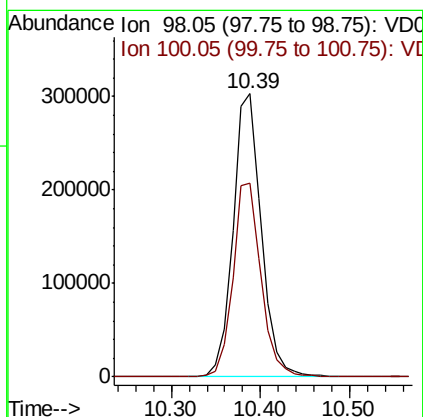
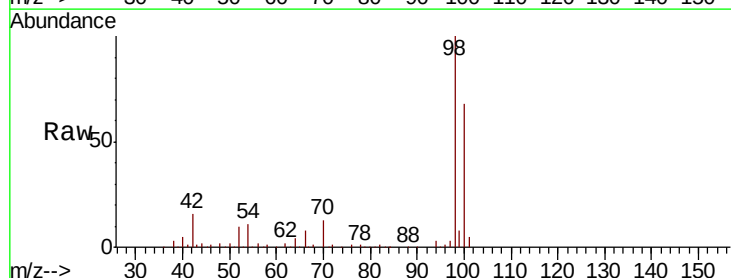
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-12

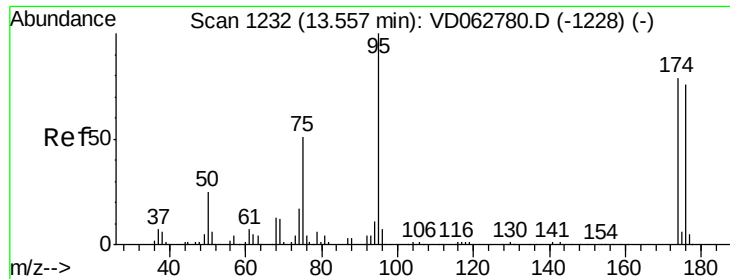
Tot Ion:117 Resp: 57753
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 47.525 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062976.D
Acq: 28 Jun 2019 19:57

Tgt Ion: 98 Resp: 673107
Ion Ratio Lower Upper
98 100
100 68.4 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 36.823 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

Instrument :

MSVOA_D

ClientSampled :

SAMPLE-12

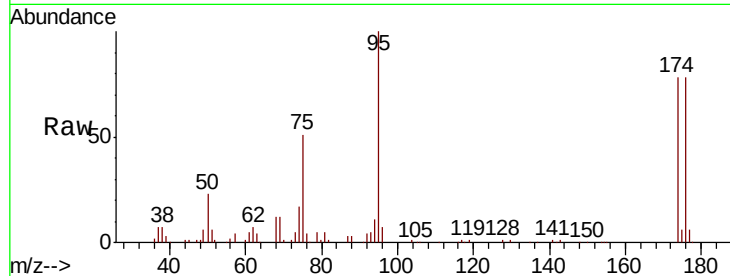
Tot Ion: 95 Resp: 237143

Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.0

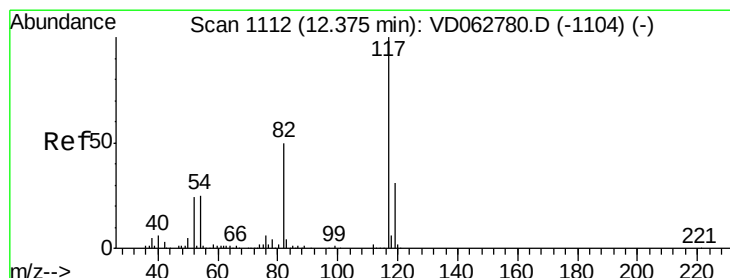
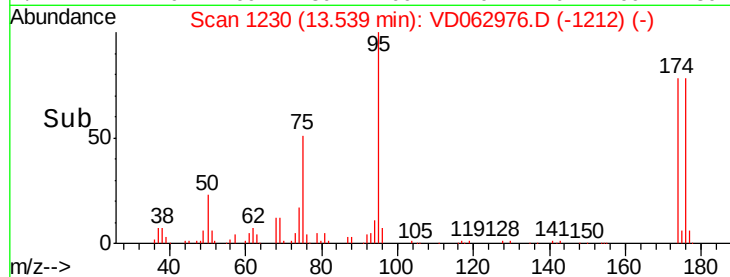
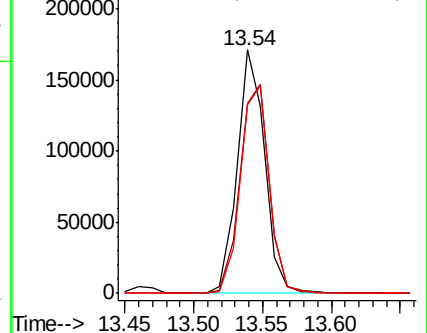
176 77.6 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.35 min Scan# 1109

Delta R.T. -0.03 min

Lab File: VD062976.D

Acq: 28 Jun 2019 19:57

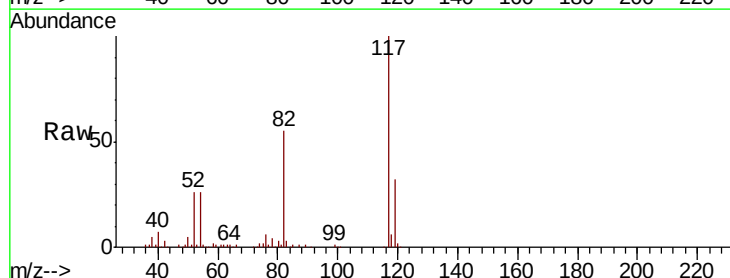
Tgt Ion: 117 Resp: 577505

Ion Ratio Lower Upper

117 100

82 54.7 40.4 60.6

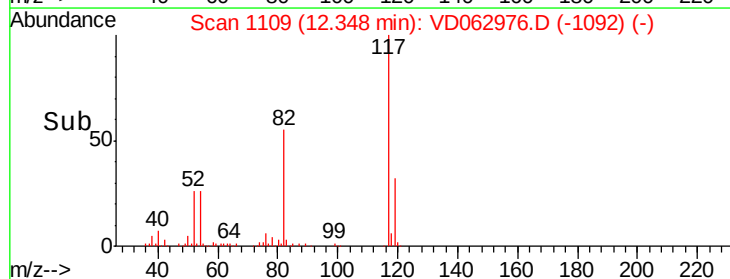
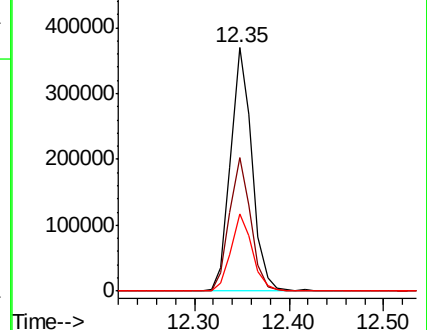
119 31.6 25.2 37.8

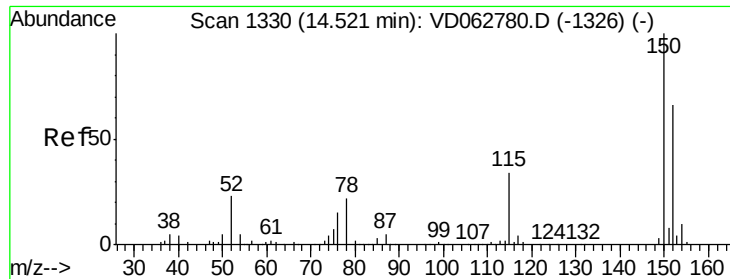


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

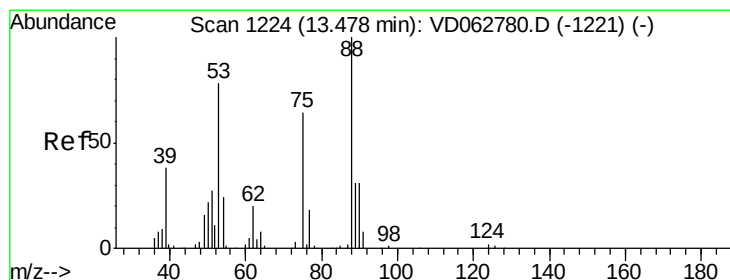
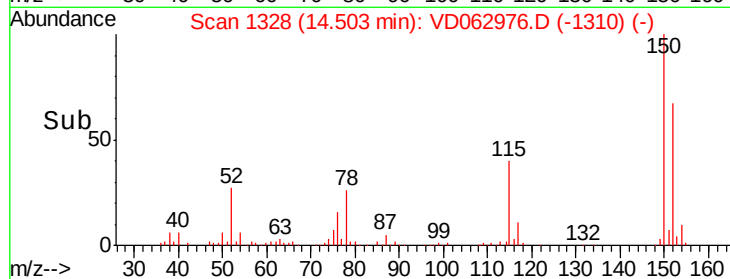
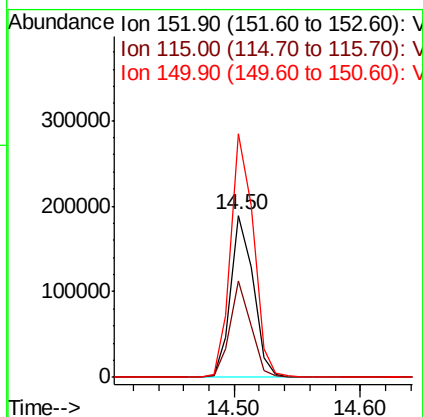
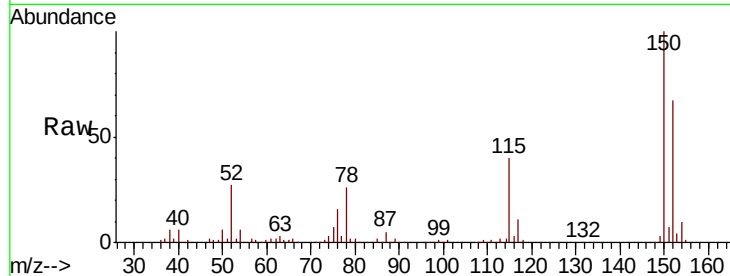




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD062976.D
 Acq: 28 Jun 2019 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-12

Tot Ion:152 Resp: 233439
 Ion Ratio Lower Upper
 152 100
 115 59.6 29.2 87.6
 150 150.1 0.0 305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.263 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. 0.06 min
 Lab File: VD062976.D
 Acq: 28 Jun 2019 19:57

Tgt Ion: 75 Resp: 120255
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.0 39.4 59.2#

