

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064080.D
 Acq On : 25 Oct 2019 22:13
 Operator : VA/SY
 Sample : K5542-06
 Misc : 5.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:08:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	145692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	254838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	269083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123064	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	75692	53.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.72%	
35) Dibromofluoromethane	7.92	113	73985	47.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.02%	
50) Toluene-d8	10.34	98	343674	54.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	102010	46.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.88%	

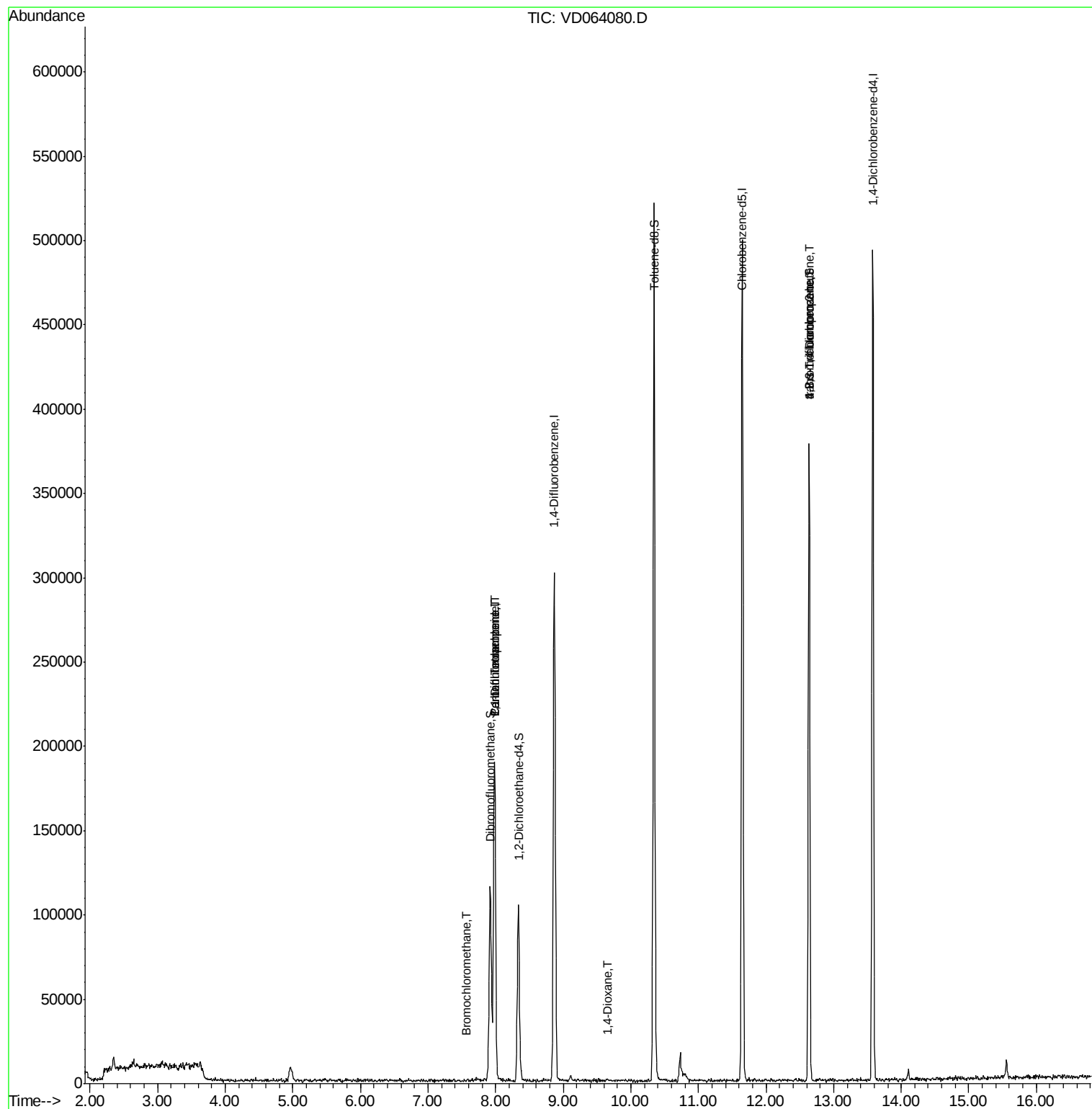
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	271	Below Cal	#	40
11) Tert butyl alcohol	5.20	59	82	Below Cal	#	71
28) Bromochloromethane	7.56	49	68	1.932	ug/l #	1
31) Cyclohexane	7.98	56	3566	Below Cal	#	6
36) 1,1-Dichloropropene	7.98	75	11491	4.932	ug/l #	49
37) Ethyl Acetate	7.31	43	56	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14602	6.201	ug/l #	24
49) 1,4-Dioxane	9.65	88	65	5.116	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	57259	69.468	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	57259	122.931	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	58	Below Cal	#	1

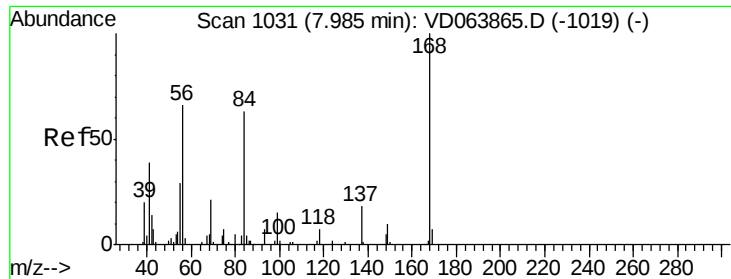
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
Data File : VD064080.D
Acq On : 25 Oct 2019 22:13
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MSVOA_D
ClientSampleId :

Quant Time: Oct 26 00:08:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064080.D

Acq: 25 Oct 2019 22:13

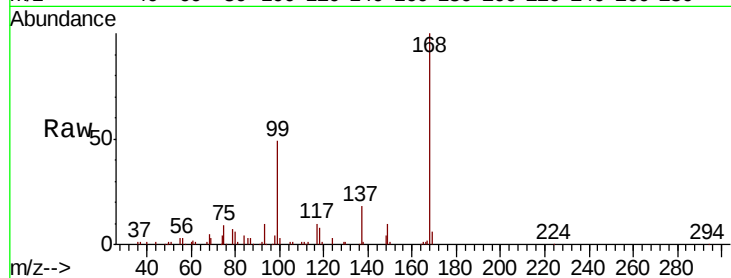
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 145692

Ion Ratio Lower Upper

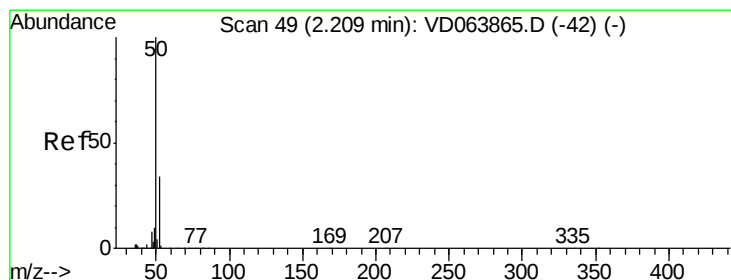
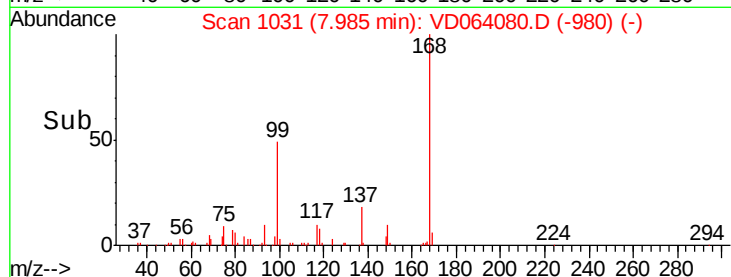
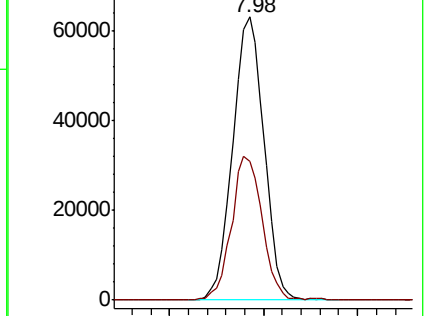
168 100

99 48.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064080.D

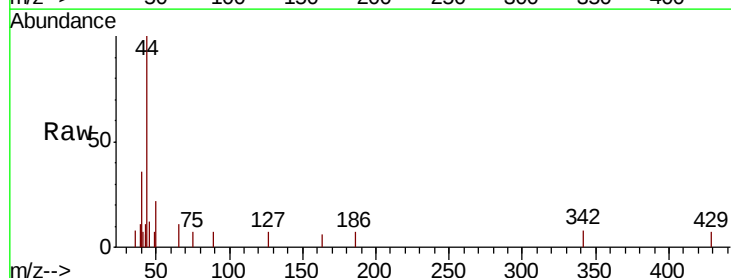
Acq: 25 Oct 2019 22:13

Tgt Ion: 50 Resp: 271

Ion Ratio Lower Upper

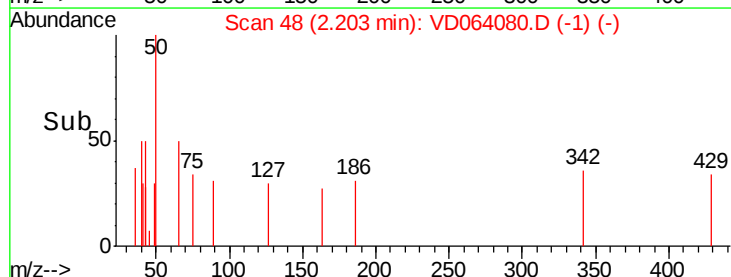
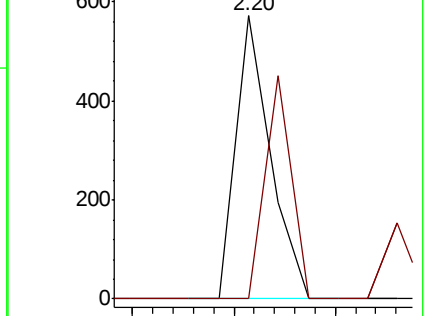
50 100

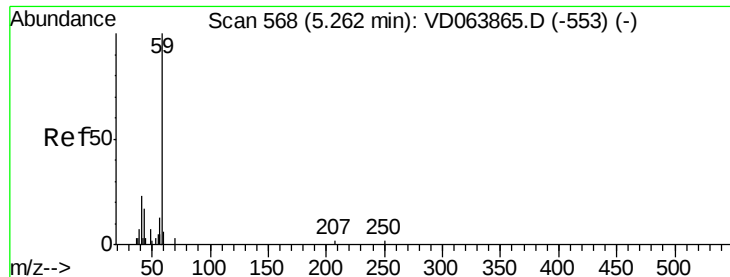
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



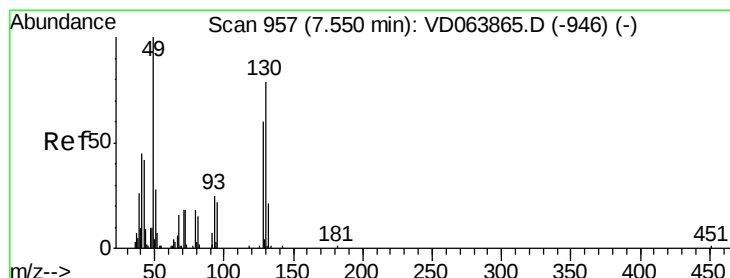
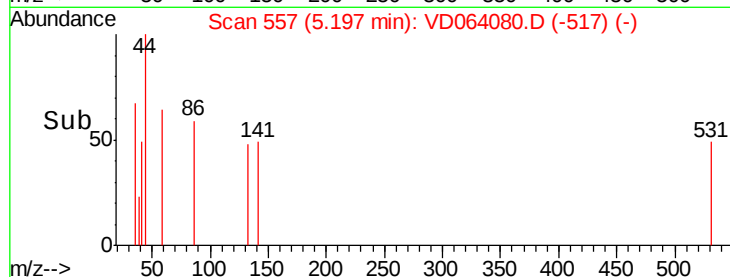
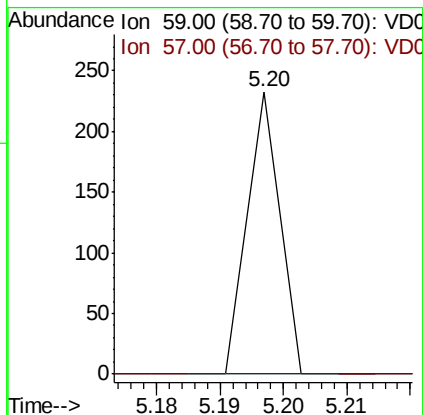
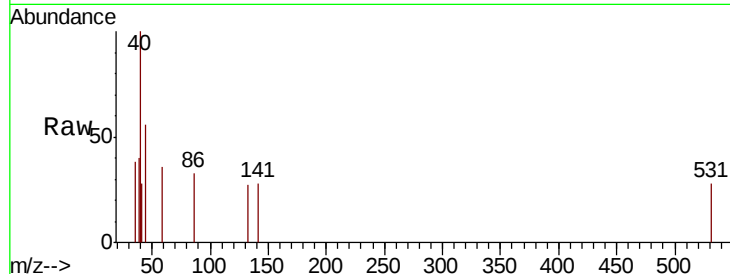


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.06 min
 Lab File: VD064080.D
 Acq: 25 Oct 2019 22:13

Instrument :
 MSVOA_D
 ClientSampled :

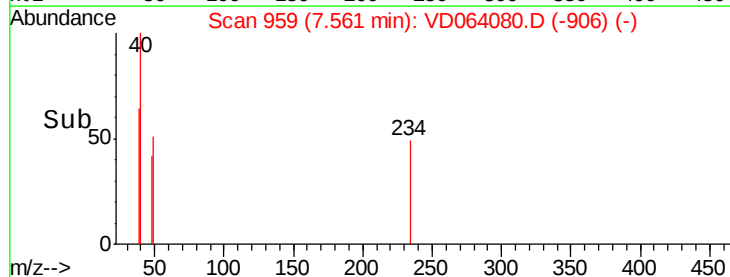
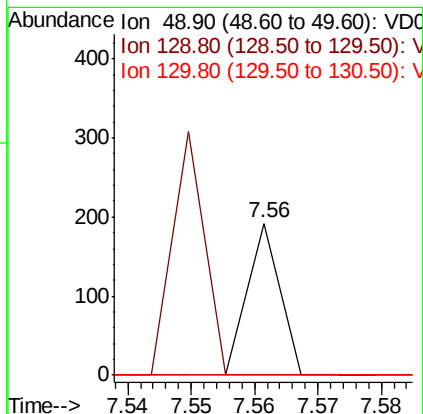
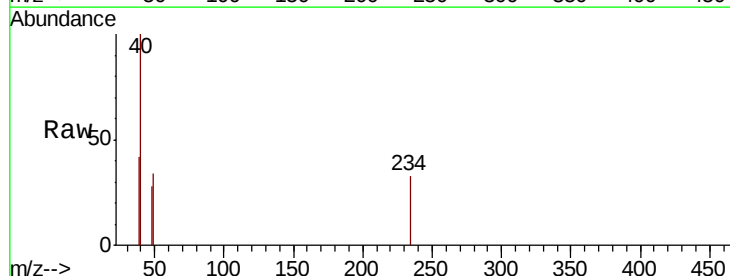
Tot Ion: 59 Resp: 82
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

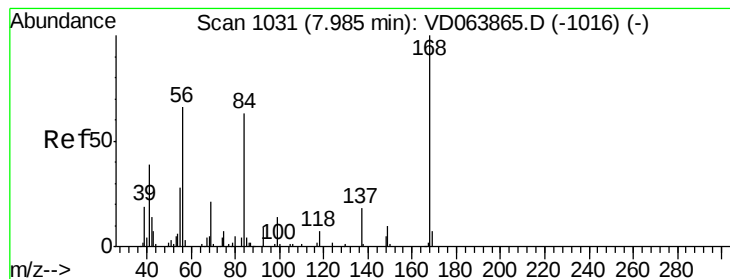


#28

Bromochloromethane
 Concen: 1.932 ug/l
 RT: 7.56 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD064080.D
 Acq: 25 Oct 2019 22:13

Tgt Ion: 49 Resp: 68
 Ion Ratio Lower Upper
 49 100
 129 160.3 0.0 5.6#
 130 0.0 66.8 100.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064080.D

Acq: 25 Oct 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

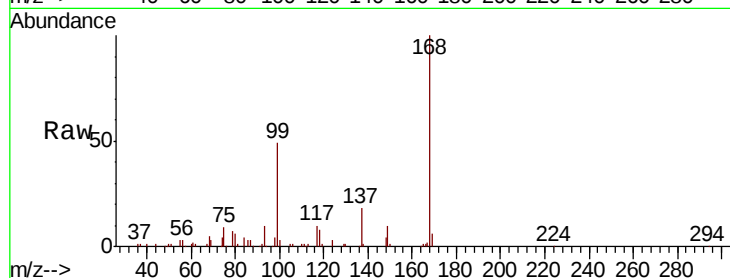
Tot Ion: 56 Resp: 3566

Ion Ratio Lower Upper

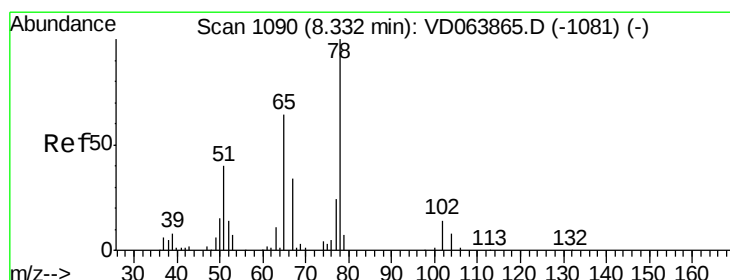
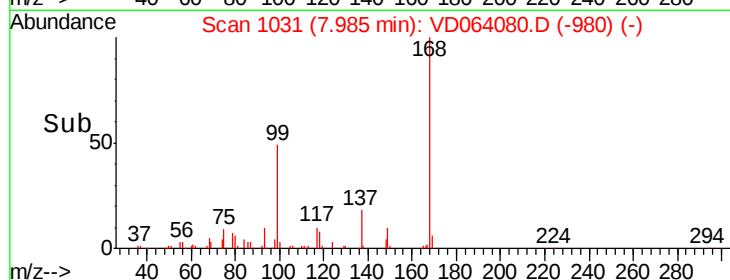
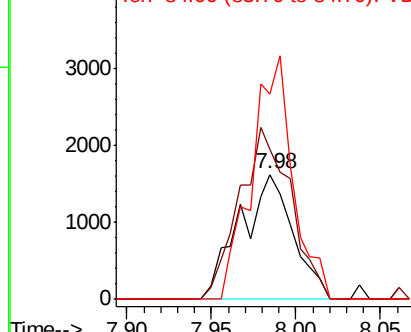
56 100

69 120.6 25.0 37.4#

84 164.6 76.3 114.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 53.363 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064080.D

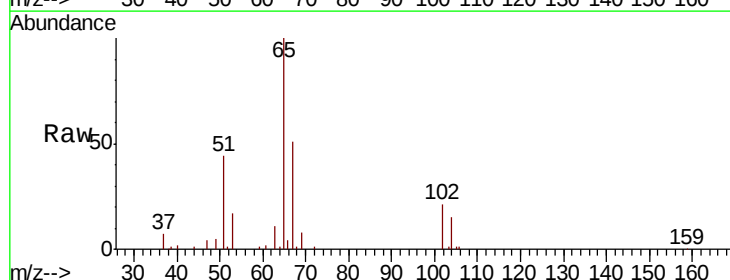
Acq: 25 Oct 2019 22:13

Tgt Ion: 65 Resp: 75692

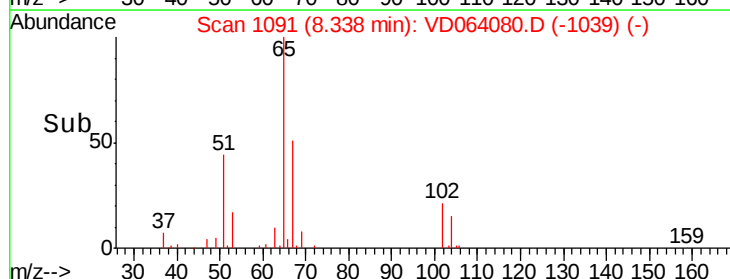
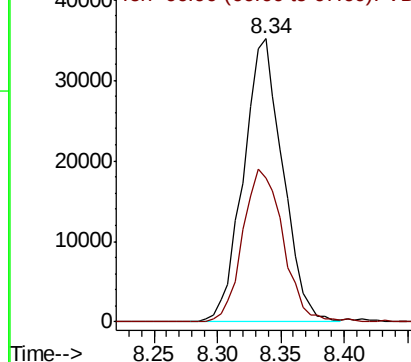
Ion Ratio Lower Upper

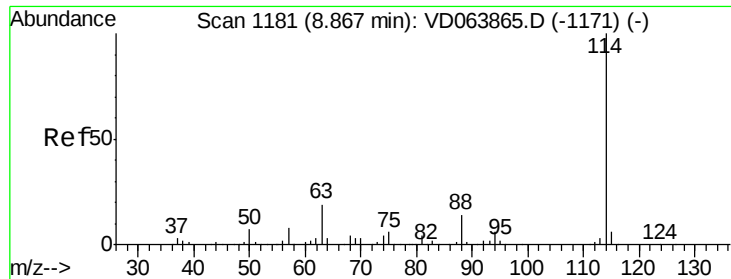
65 100

67 55.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

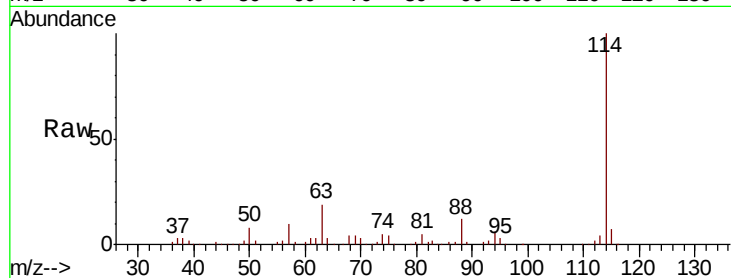




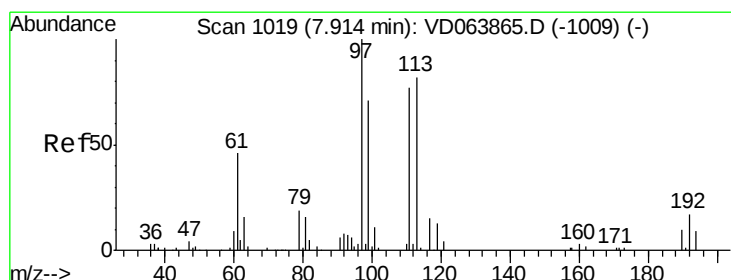
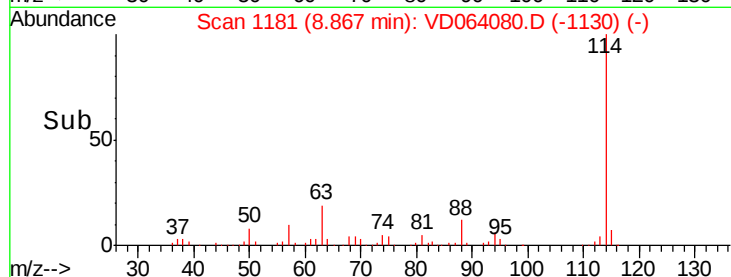
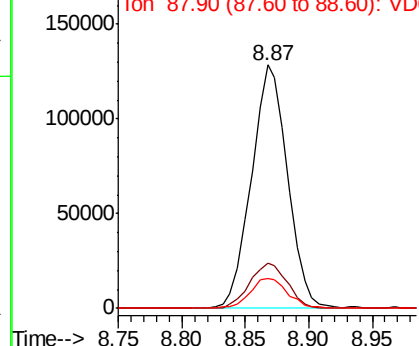
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064080.D
Acq: 25 Oct 2019 22:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 254838
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 12.4 0.0 27.4

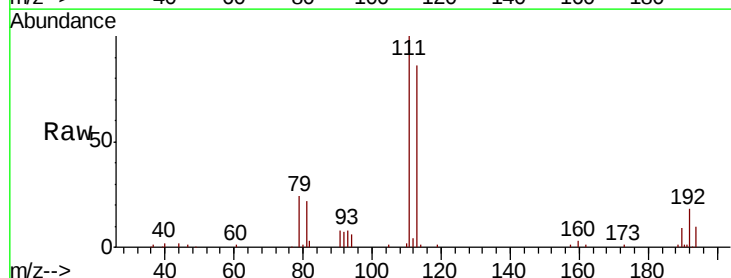


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

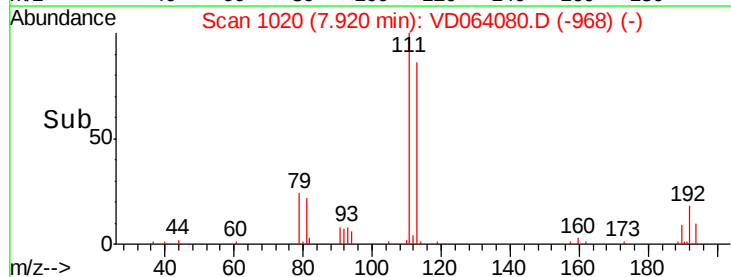
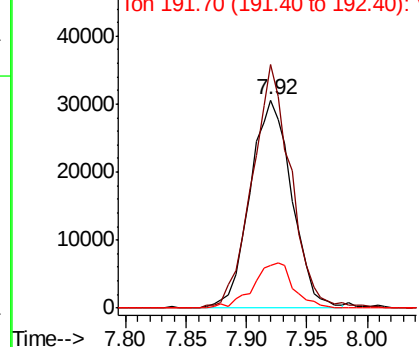


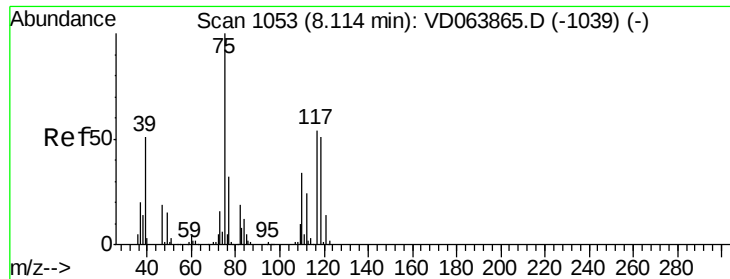
#35
Dibromofluoromethane
Concen: 47.506 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064080.D
Acq: 25 Oct 2019 22:13

Tgt Ion:113 Resp: 73985
Ion Ratio Lower Upper
113 100
111 108.5 82.6 123.8
192 20.9 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

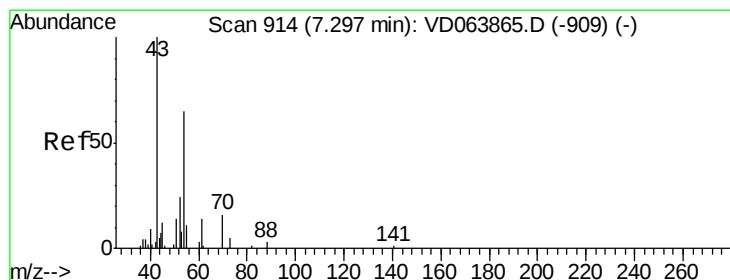
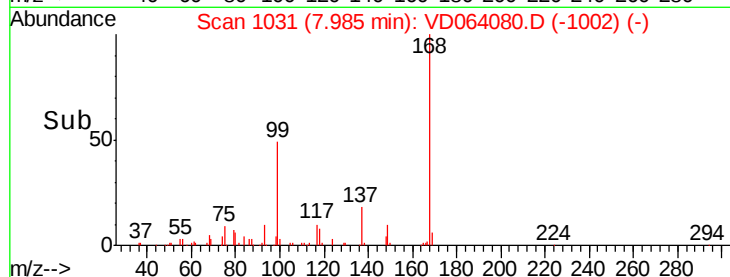
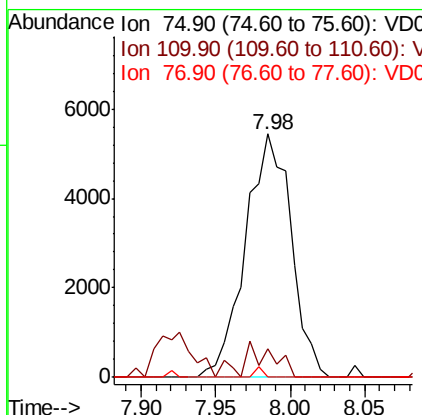
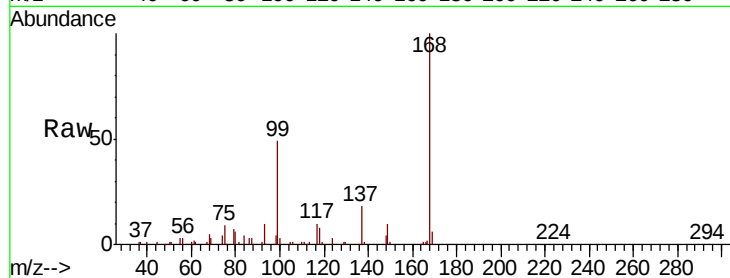




#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064080.D
 Acq: 25 Oct 2019 22:13

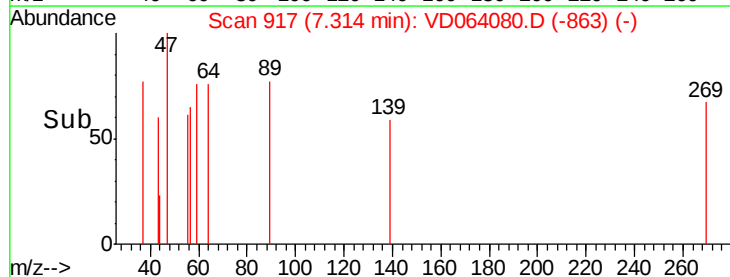
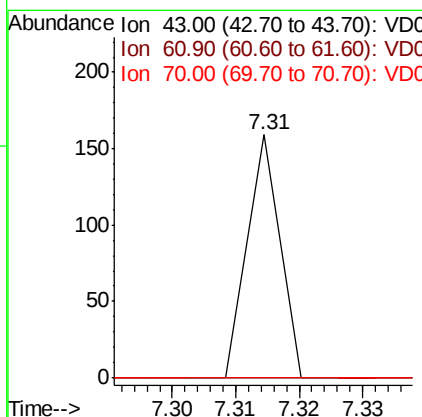
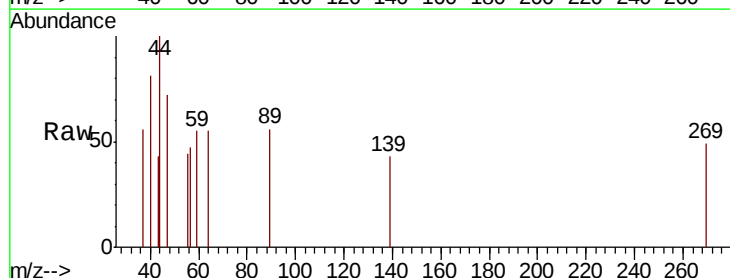
Instrument :
 MSVOA_D
 ClientSampleId :

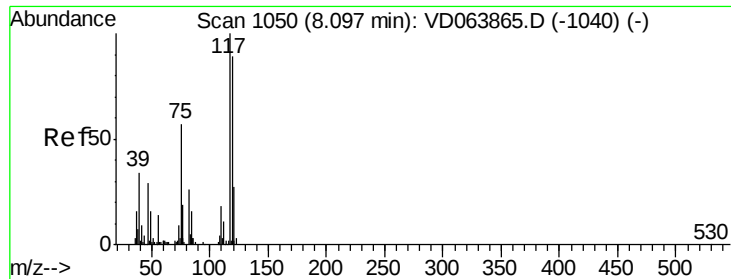
Tot Ion: 75 Resp: 11491
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.4 52.3#
 77 0.7 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.31 min Scan# 917
 Delta R.T. 0.02 min
 Lab File: VD064080.D
 Acq: 25 Oct 2019 22:13

Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#

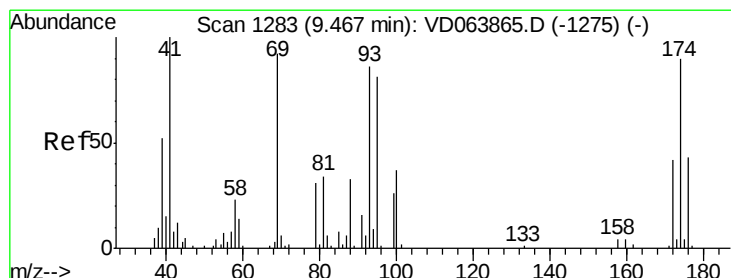
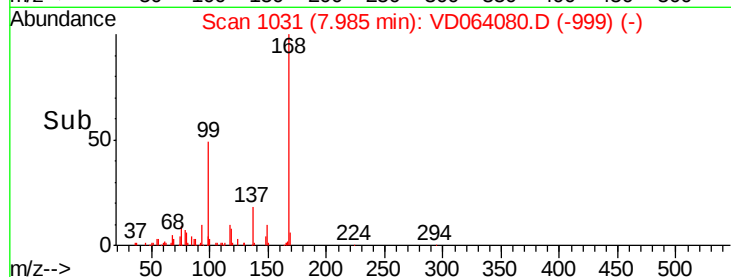
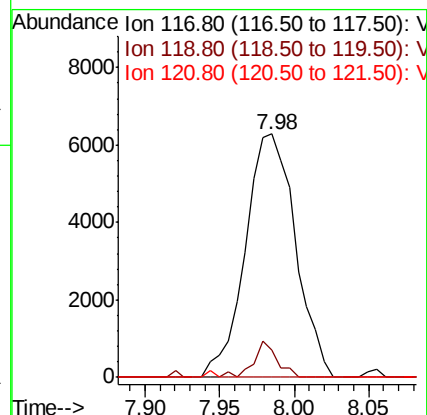
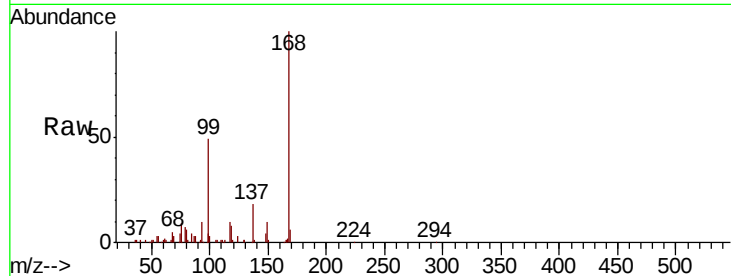




#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064080.D
Acq: 25 Oct 2019 22:13

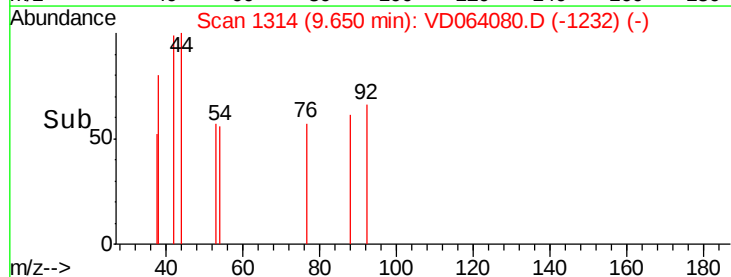
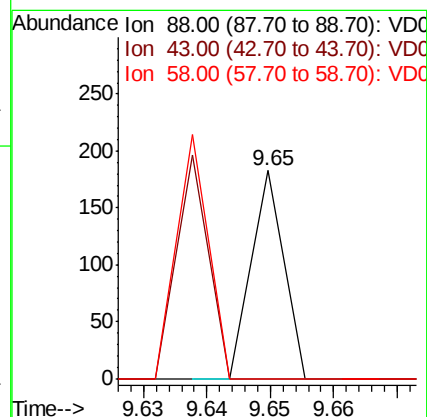
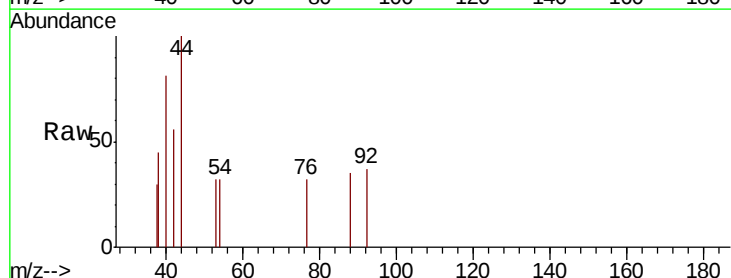
Instrument :
MSVOA_D
ClientSampleId :

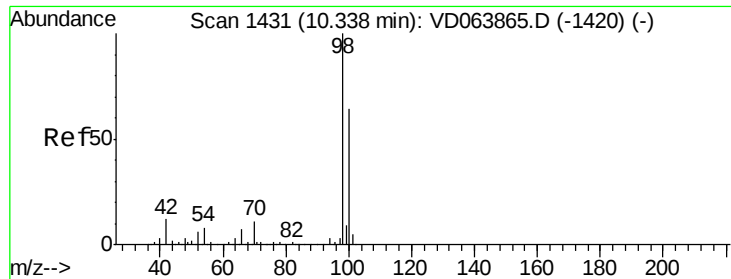
Tot Ion:117 Resp: 14602
Ion Ratio Lower Upper
117 100
119 11.3 70.8 106.2#
121 0.0 21.4 32.0#



#49
1,4-Dioxane
Concen: 5.116 ug/l
RT: 9.65 min Scan# 1314
Delta R.T. 0.18 min
Lab File: VD064080.D
Acq: 25 Oct 2019 22:13

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 107.7 27.6 41.4#
58 116.9 54.1 81.1#





#50

Toluene-d8

Concen: 54.368 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064080.D

Acq: 25 Oct 2019 22:13

Instrument :

MSVOA_D

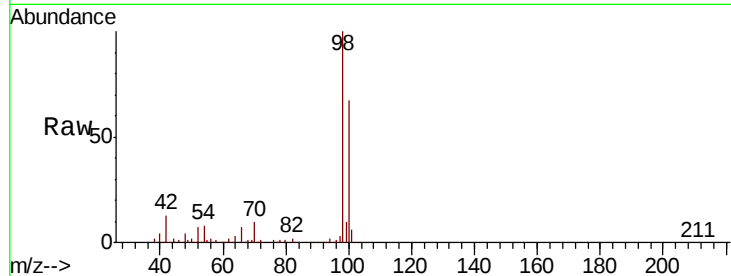
ClientSampleId :

Tot Ion: 98 Resp: 343674

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VD063865.D (-1420) (-)

Ion 100.00 (99.70 to 100.70): VD063865.D (-1420) (-)

10.34

200000

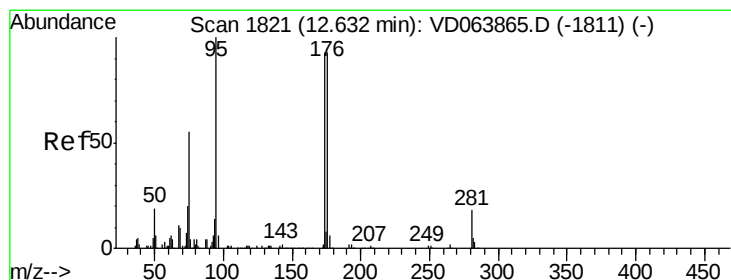
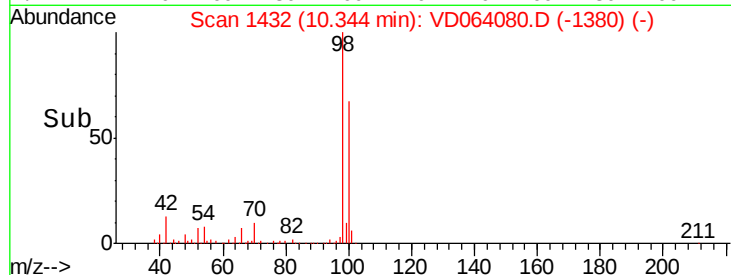
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.440 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064080.D

Acq: 25 Oct 2019 22:13

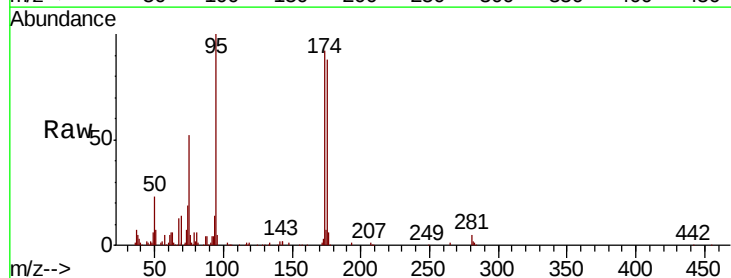
Tgt Ion: 95 Resp: 102010

Ion Ratio Lower Upper

95 100

174 96.8 0.0 186.4

176 92.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD063865.D (-1811) (-)

Ion 173.80 (173.50 to 174.50): VD063865.D (-1811) (-)

Ion 175.80 (175.50 to 176.50): VD063865.D (-1811) (-)

12.64

80000

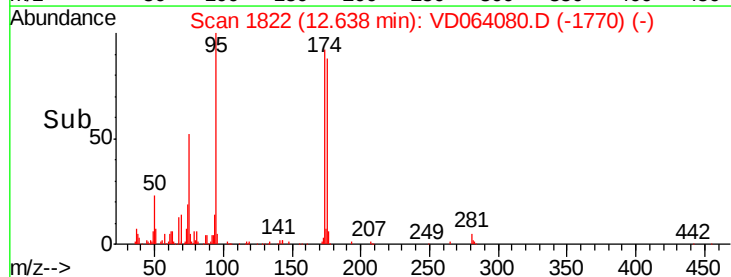
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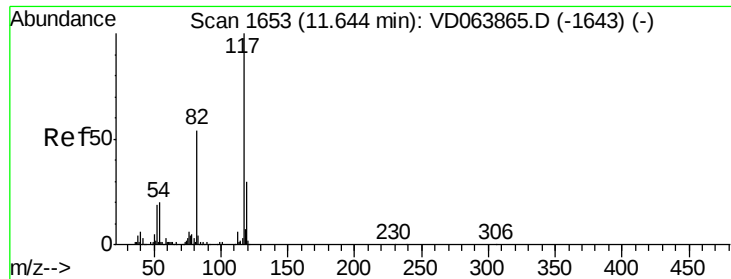
40000

20000

0

Time-->

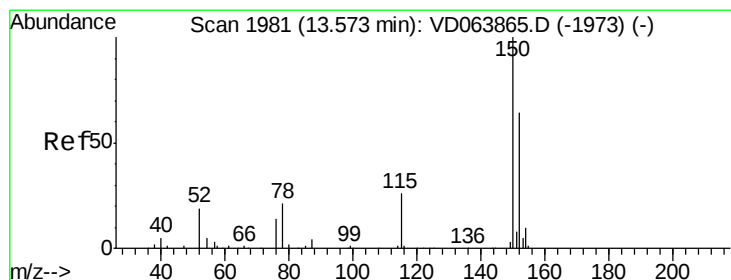
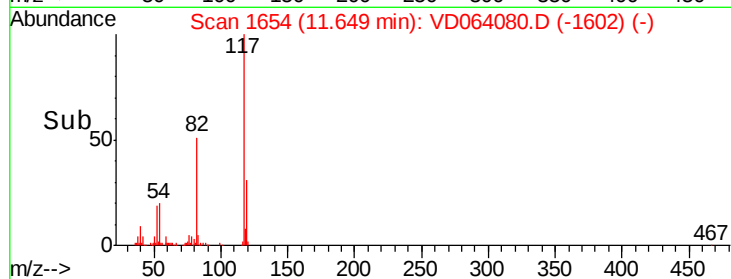
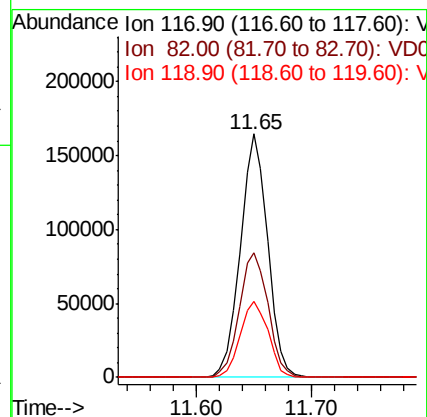
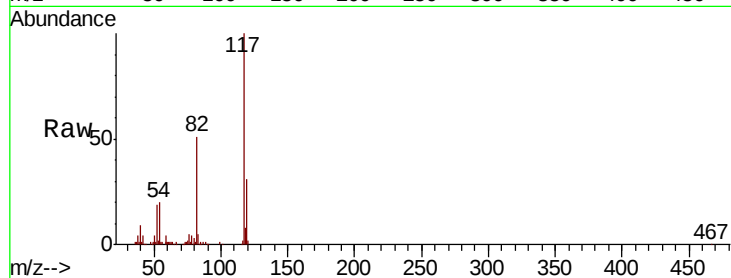




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064080.D
Acq: 25 Oct 2019 22:13

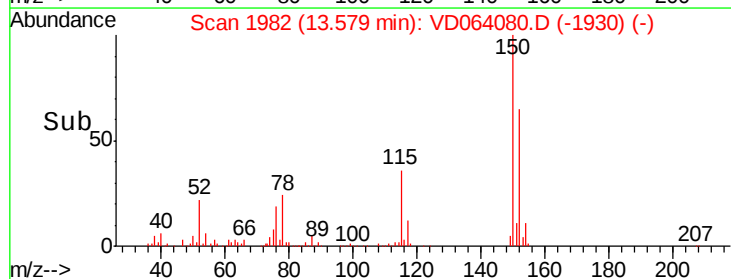
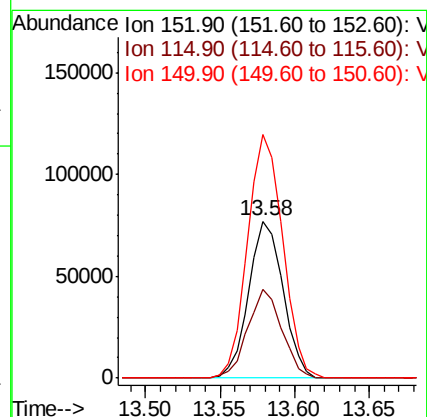
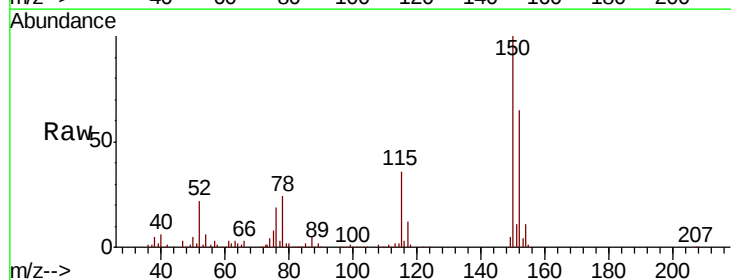
Instrument :
MSVOA_D
ClientSampleId :

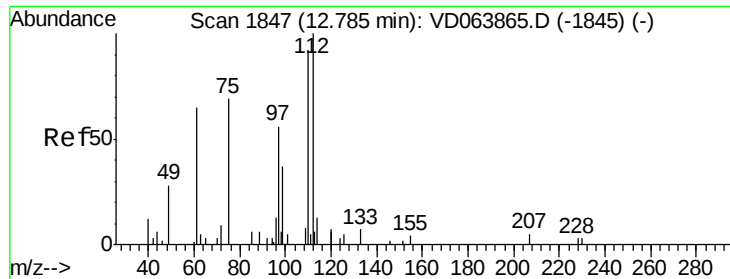
Tot Ion:117 Resp: 269083
Ion Ratio Lower Upper
117 100
82 51.0 42.8 64.2
119 31.3 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064080.D
Acq: 25 Oct 2019 22:13

Tgt Ion:152 Resp: 123064
Ion Ratio Lower Upper
152 100
115 55.8 25.9 77.7
150 158.1 0.0 344.2

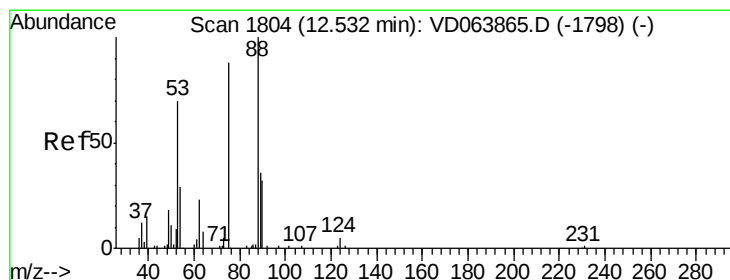
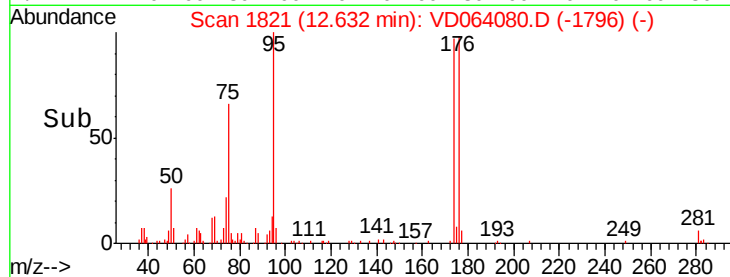
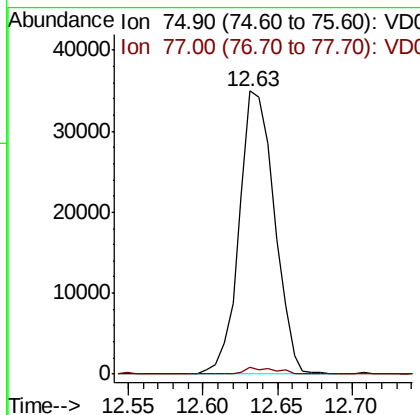
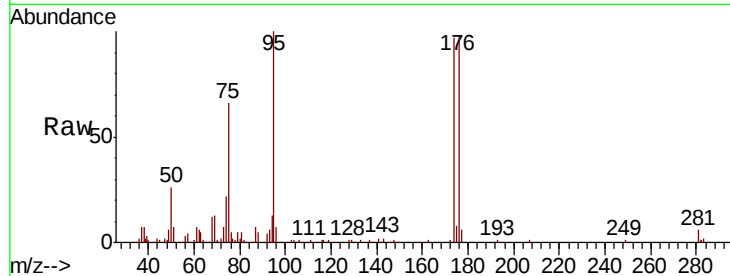




#76
 1,2,3-Trichloropropane
 Concen: 69.468 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD064080.D
 Acq: 25 Oct 2019 22:13

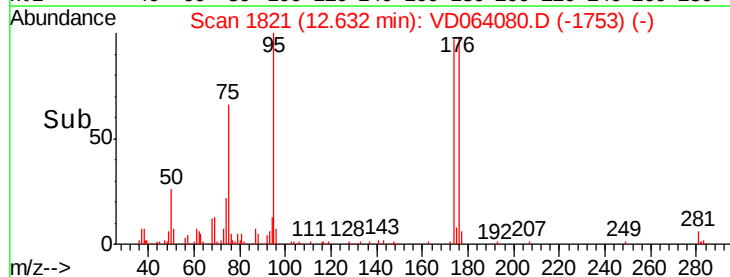
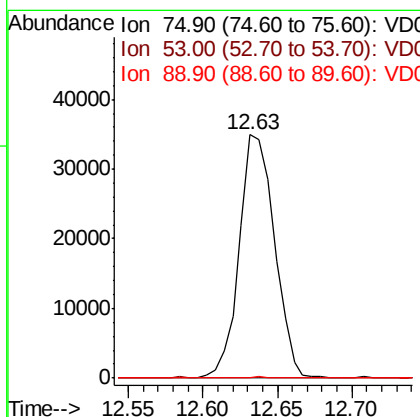
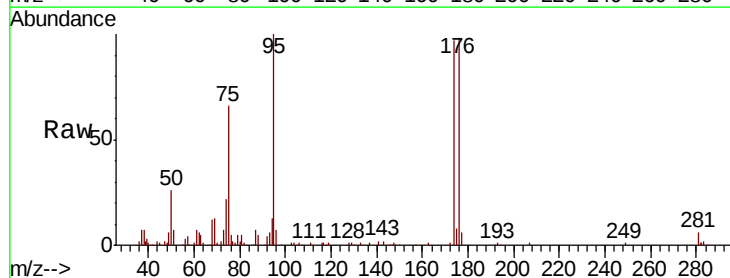
Instrument :
 MSVOA_D
 ClientSampleId :

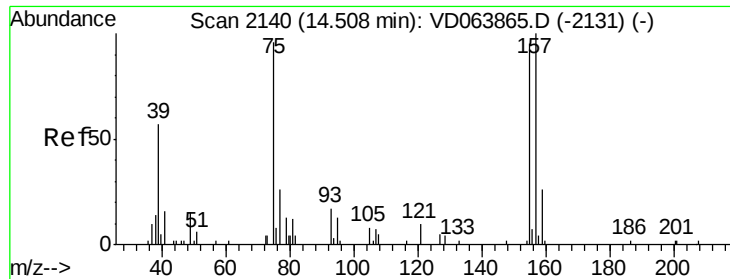
Tot Ion: 75 Resp: 57259
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.931 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD064080.D
 Acq: 25 Oct 2019 22:13

Tgt Ion: 75 Resp: 57259
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.0 112.6#
 89 0.1 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD064080.D

Acq: 25 Oct 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

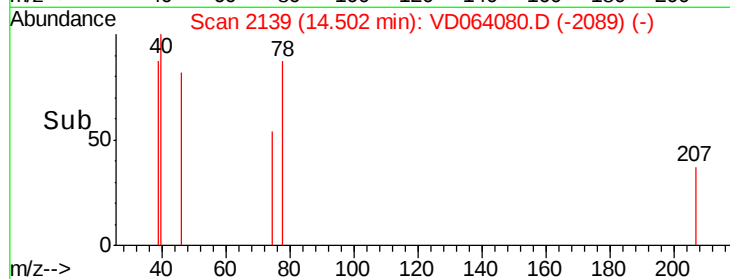
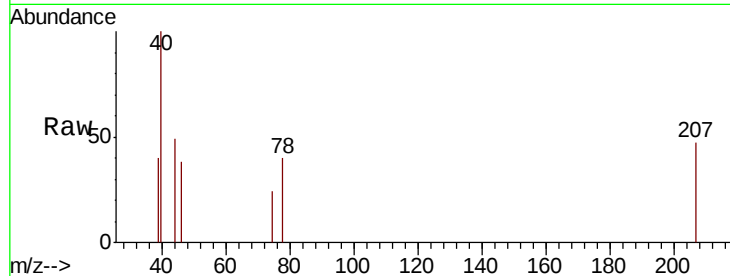
Tot Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

