

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064065.D
 Acq On : 25 Oct 2019 15:08
 Operator : VA/SY
 Sample : K5540-18
 Misc : 6.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:04:57 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

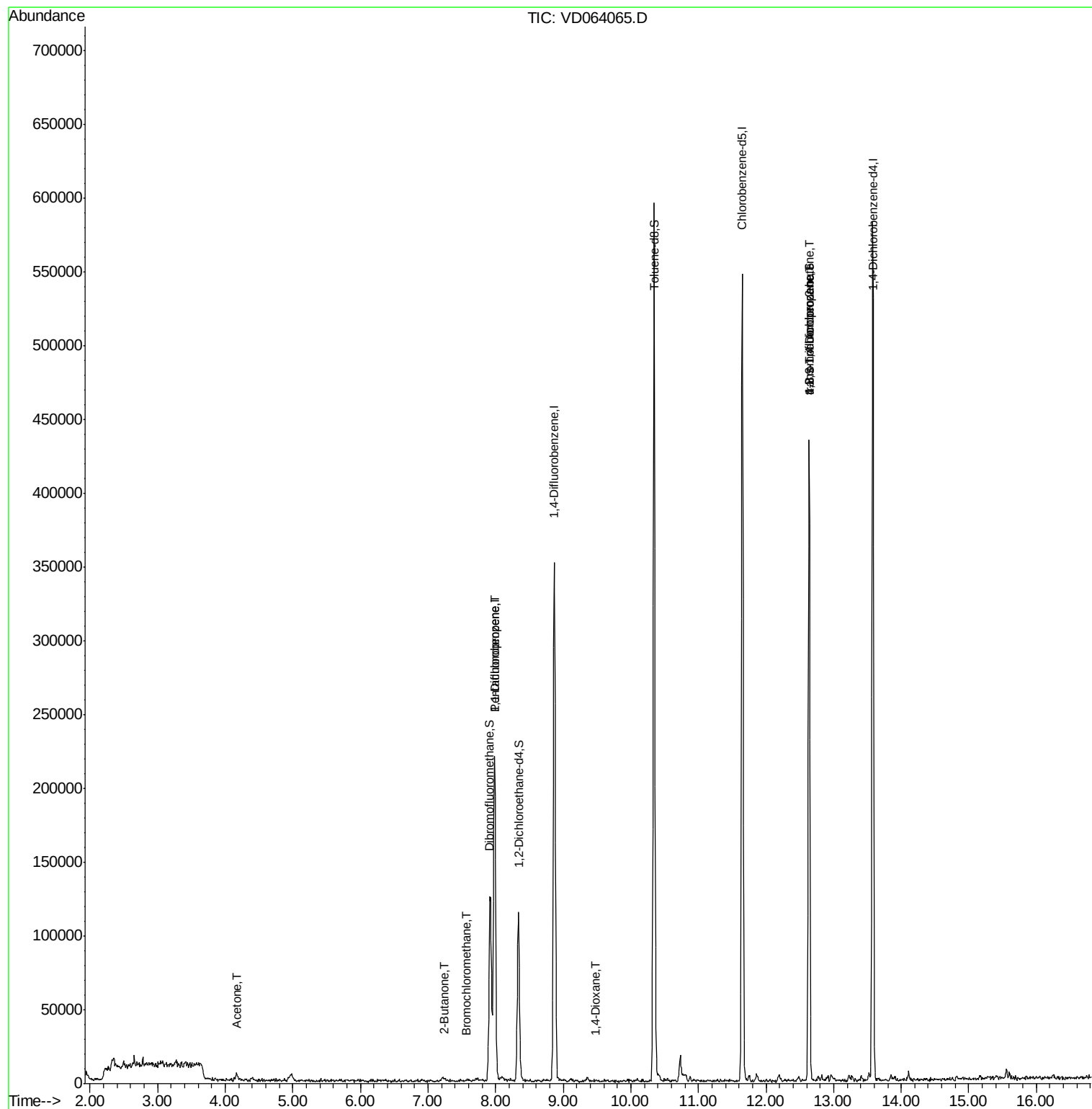
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	166436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	311272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146997	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	83484	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.91	113	85723	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.34	98	388146	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	116560	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.21	50	1043	Below Cal		92
11) Tert butyl alcohol	5.23	59	69	Below Cal	#	71
16) Acetone	4.17	43	6096	14.450	ug/l #	74
20) Methylene Chloride	4.96	84	3444	Below Cal	#	70
25) 2-Butanone	7.24	43	3185	6.370	ug/l #	83
28) Bromochloromethane	7.57	49	64	1.920	ug/l #	10
31) Cyclohexane	7.98	56	5106	Below Cal	#	75
36) 1,1-Dichloropropene	7.98	75	13303	4.977	ug/l #	51
37) Ethyl Acetate	7.24	43	3185	Below Cal	#	72
49) 1,4-Dioxane	9.48	88	55	3.774	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	68607	69.684	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	68607	123.313	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	59	Below Cal	#	1

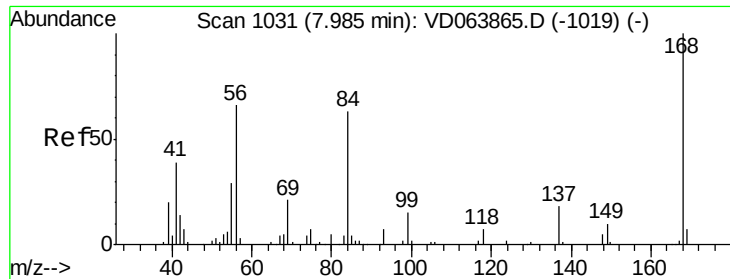
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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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: VD064065.D

Acq: 25 Oct 2019 15:08

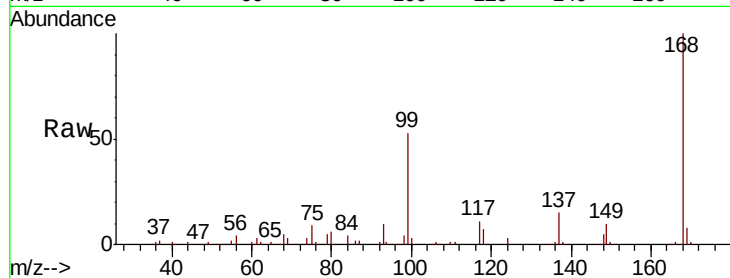
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 166436

Ion Ratio Lower Upper

168 100

99 52.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

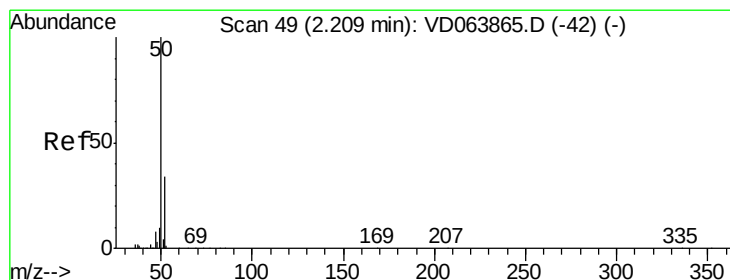
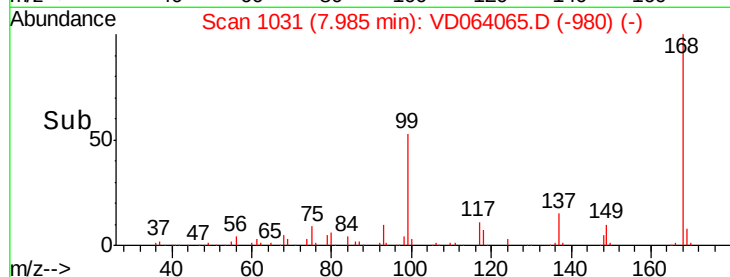
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064065.D

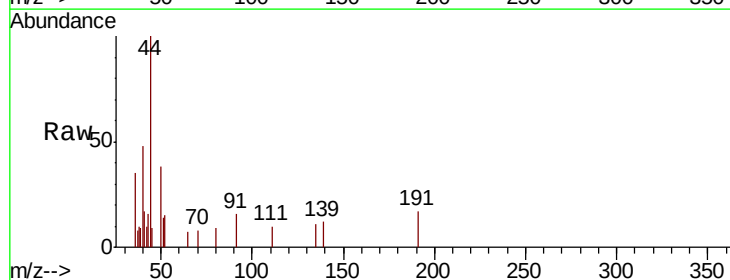
Acq: 25 Oct 2019 15:08

Tgt Ion: 50 Resp: 1043

Ion Ratio Lower Upper

50 100

52 38.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

800

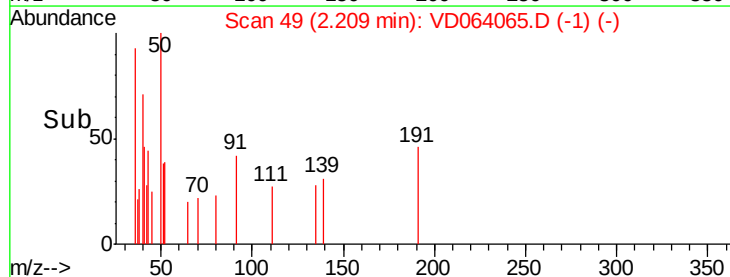
600

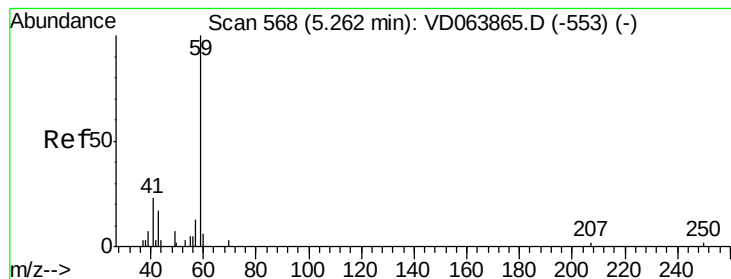
400

200

0

Time-->



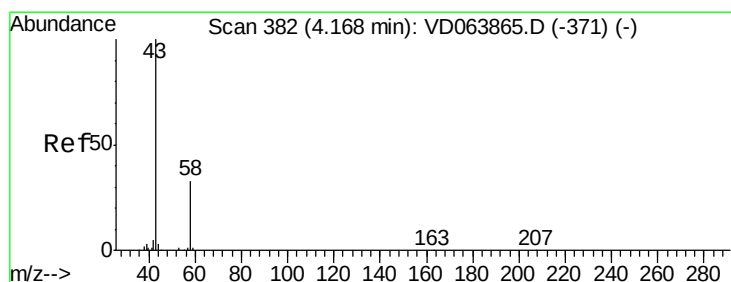
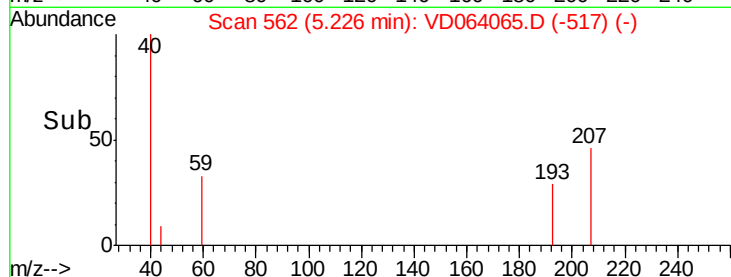
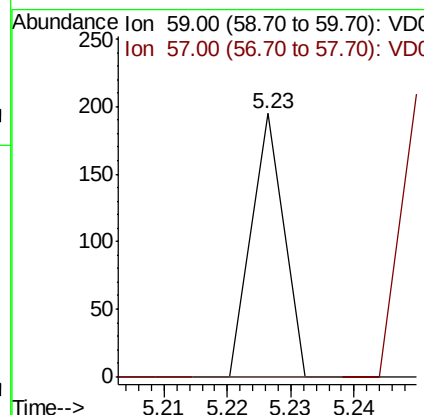
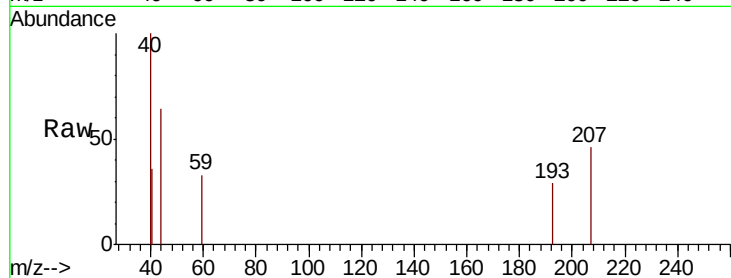


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. -0.03 min
 Lab File: VD064065.D
 Acq: 25 Oct 2019 15:08

Instrument :
 MSVOA_D
 ClientSampleId :

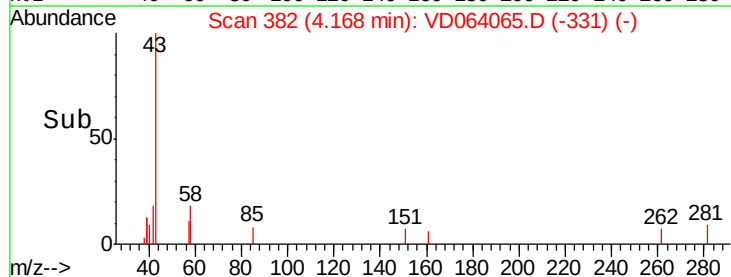
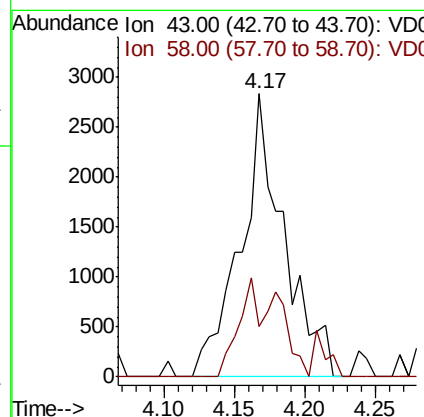
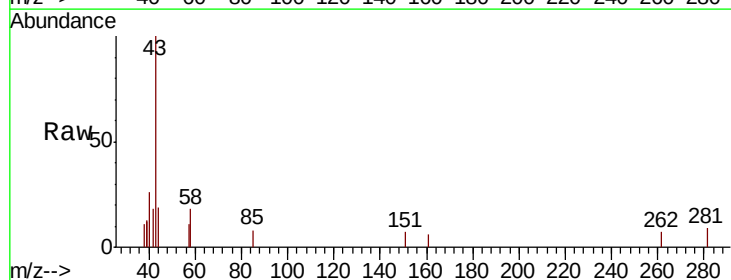
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

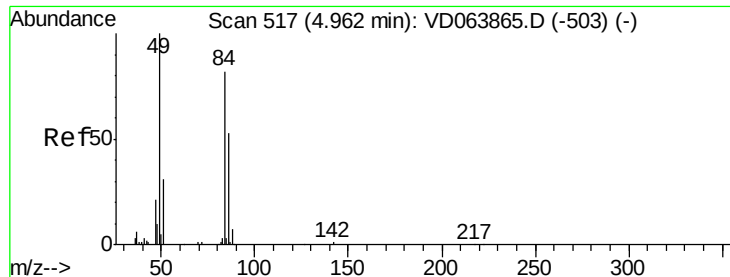


#16

Acetone
 Concen: 14.450 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064065.D
 Acq: 25 Oct 2019 15:08

Tgt Ion: 43 Resp: 6096
 Ion Ratio Lower Upper
 43 100
 58 17.9 26.2 39.4#

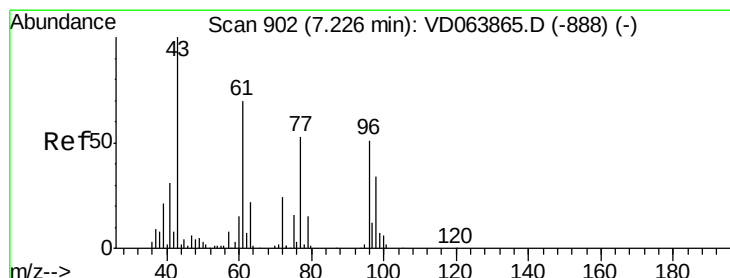
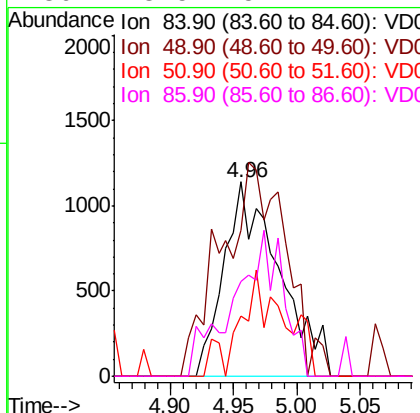
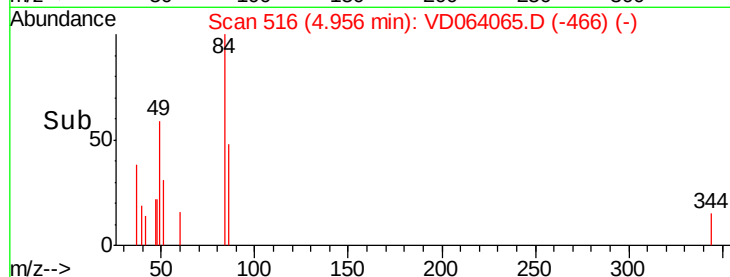
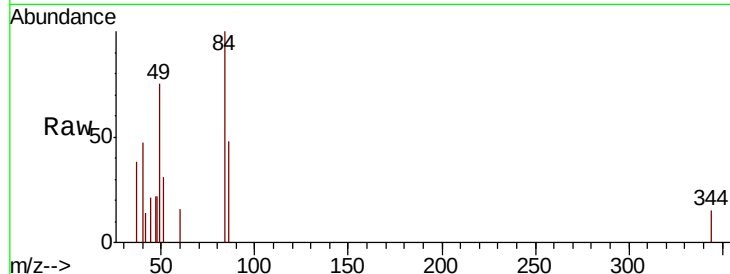




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

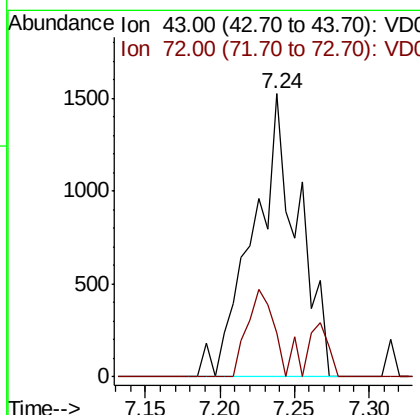
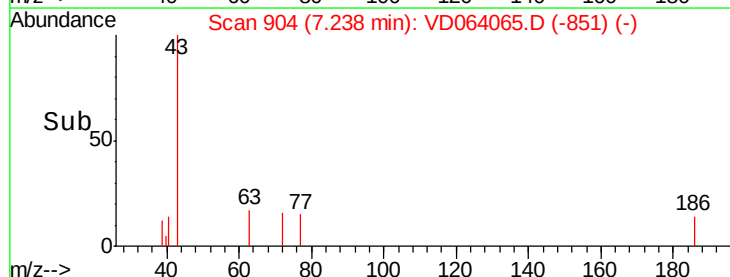
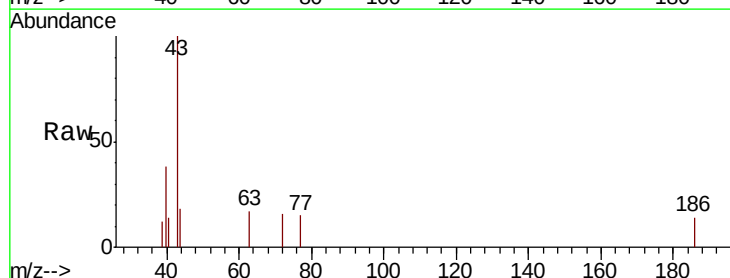
Instrument :
MSVOA_D
ClientSampleId :

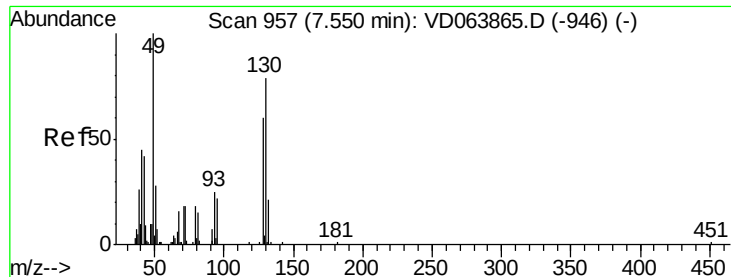
Tot Ion: 84 Resp: 3444
Ion Ratio Lower Upper
84 100
49 75.4 97.3 145.9#
51 30.9 30.1 45.1
86 48.5 51.4 77.2#



#25
2-Butanone
Concen: 6.370 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

Tgt Ion: 43 Resp: 3185
Ion Ratio Lower Upper
43 100
72 15.7 19.2 28.8#





#28

Bromochloromethane

Concen: 1.920 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.02 min

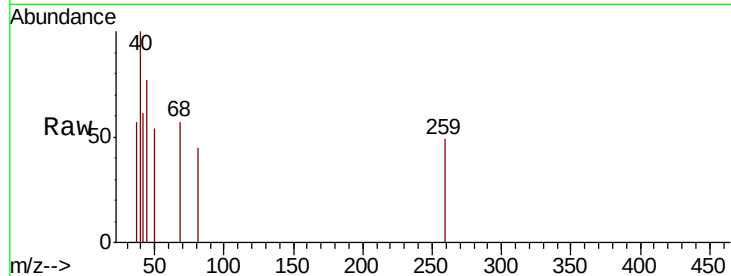
Lab File: VD064065.D

Acq: 25 Oct 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 49 Resp: 64

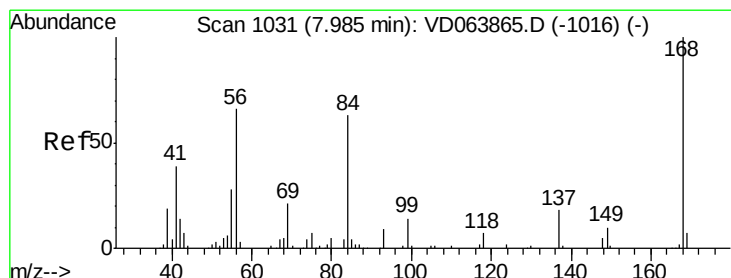
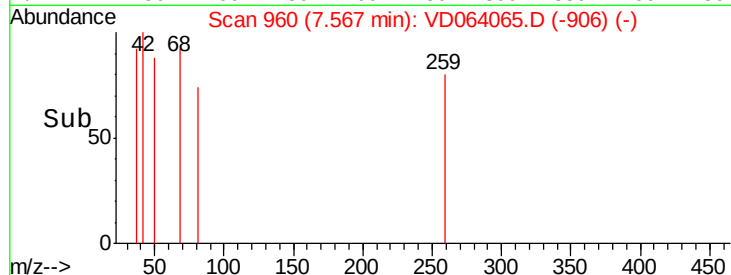
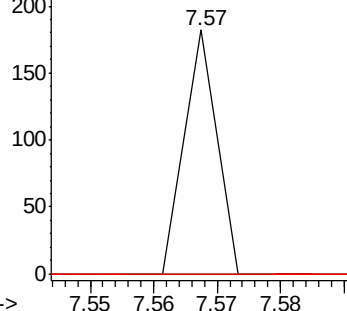
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	0.0	66.8	100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

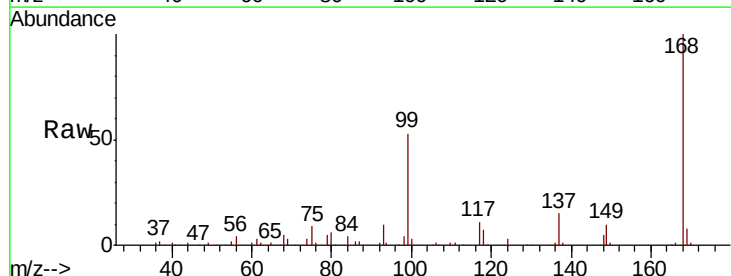
Delta R.T. -0.00 min

Lab File: VD064065.D

Acq: 25 Oct 2019 15:08

Tgt Ion: 56 Resp: 5106

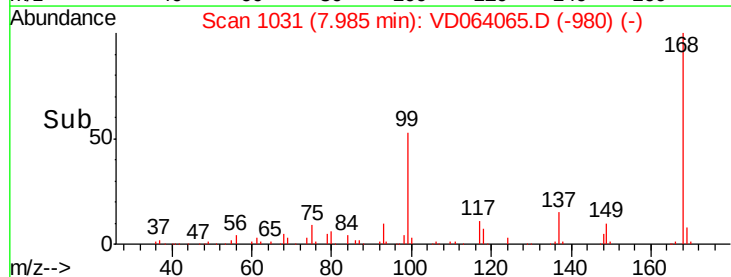
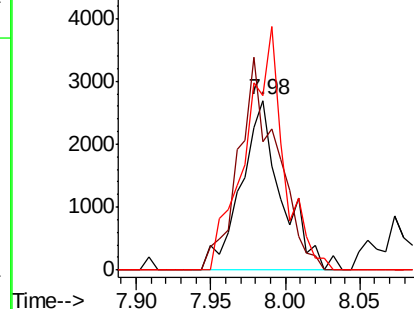
Ion	Ratio	Lower	Upper
56	100		
69	75.4	25.0	37.4#
84	102.8	76.3	114.5

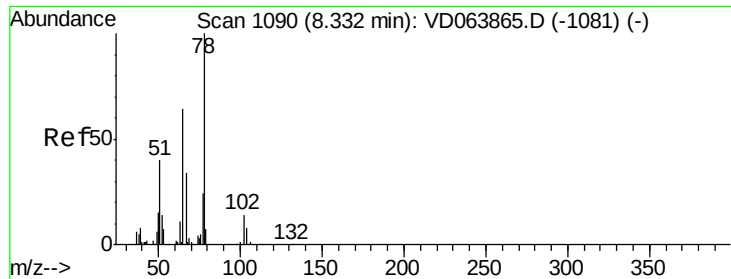


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

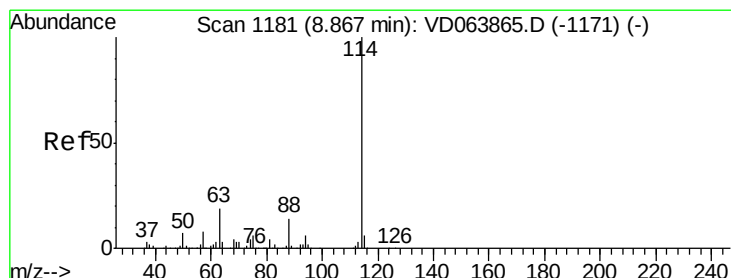
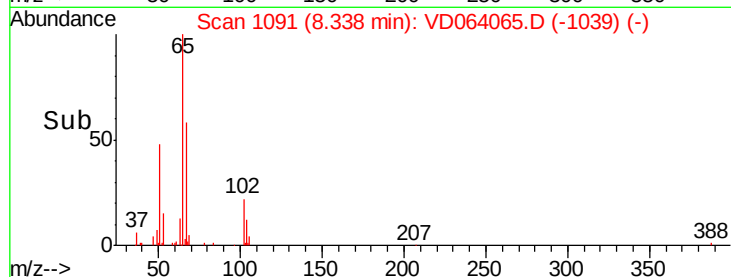
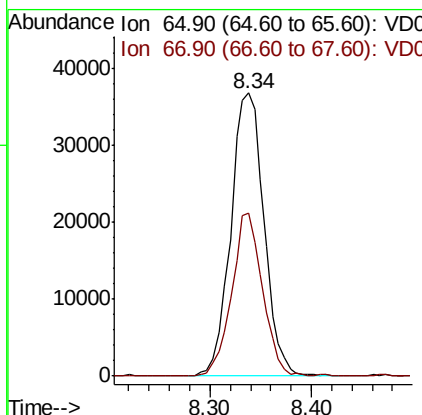
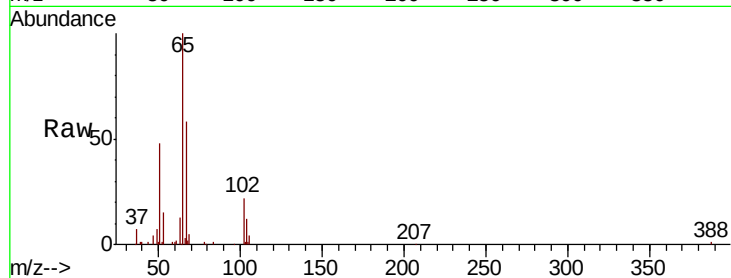




#33
 1,2-Dichloroethane-d4
 Concen: 51.521 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064065.D
 Acq: 25 Oct 2019 15:08

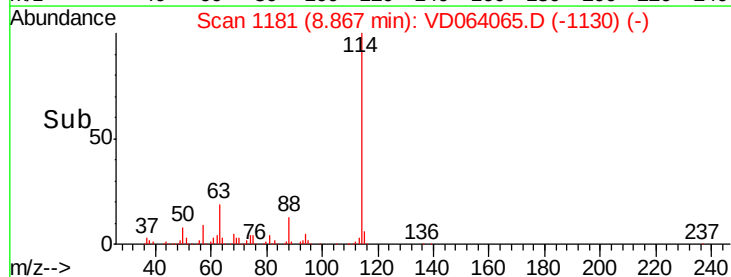
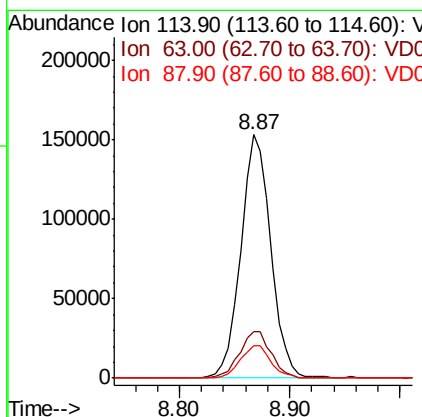
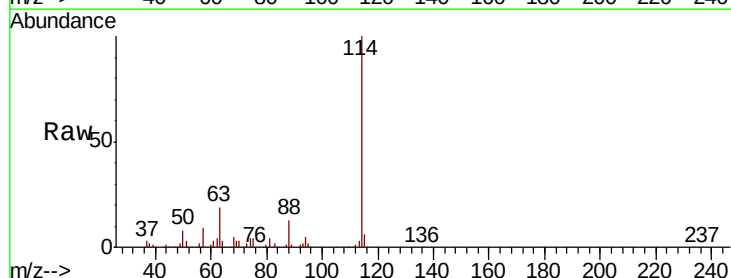
Instrument :
 MSVOA_D
 ClientSampleId :

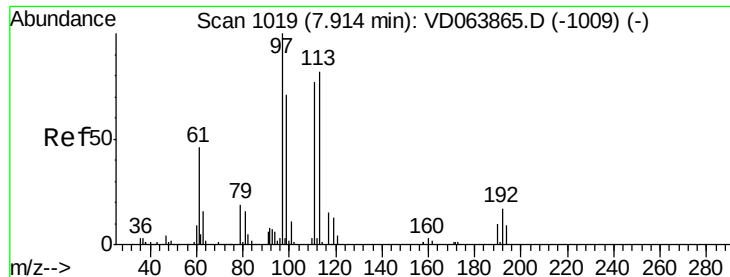
Tot Ion: 65 Resp: 83484
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064065.D
 Acq: 25 Oct 2019 15:08

Tgt Ion: 114 Resp: 292339
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 13.3 0.0 27.4

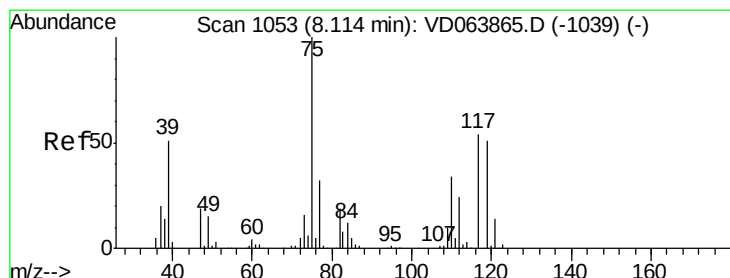
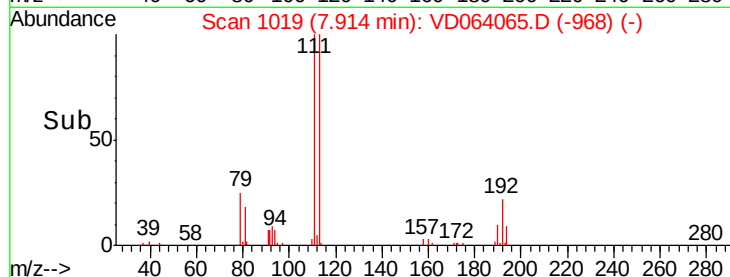
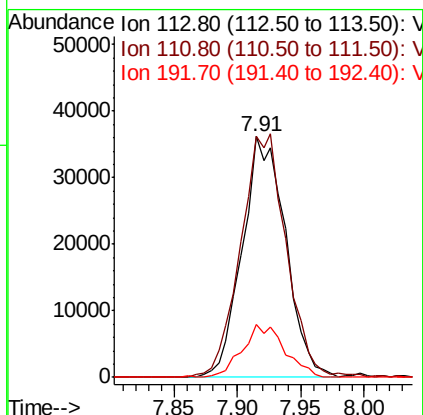
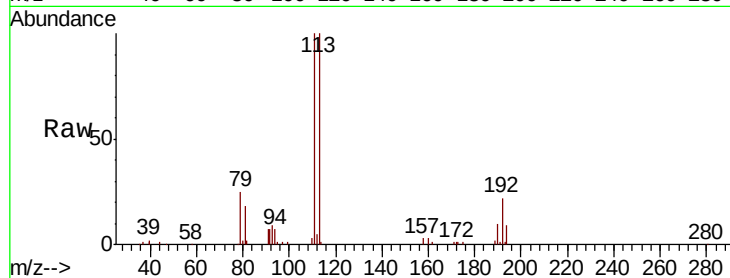




#35
 Dibromofluoromethane
 Concen: 47.982 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD064065.D
 Acq: 25 Oct 2019 15:08

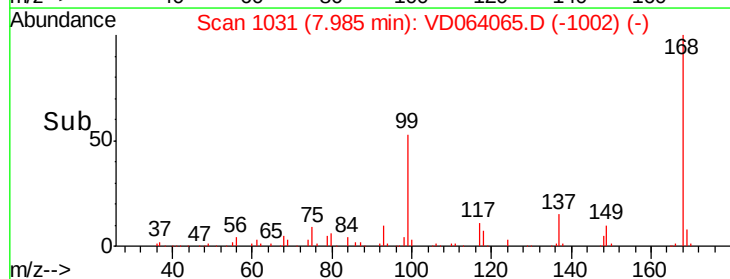
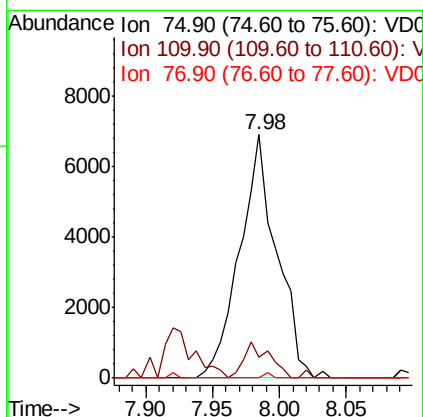
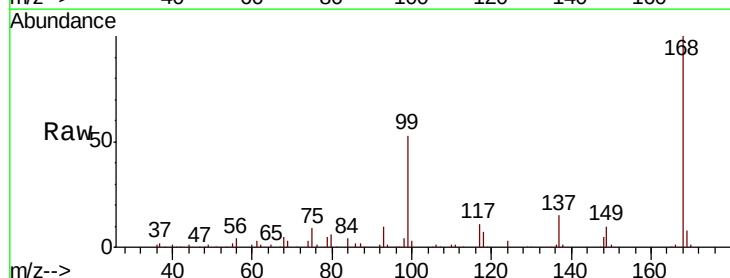
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 MSVOA_D
 ClientSampleId :

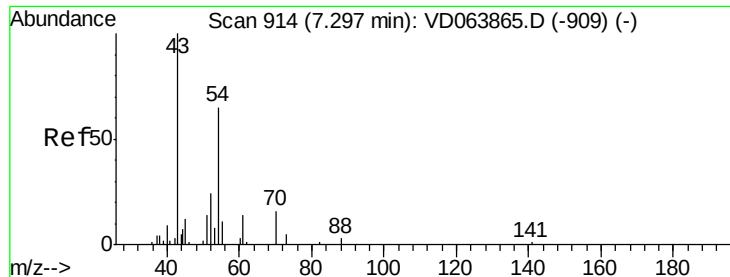
Tot Ion:113 Resp: 85723
 Ion Ratio Lower Upper
 113 100
 111 106.7 82.6 123.8
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.977 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064065.D
 Acq: 25 Oct 2019 15:08

Tgt Ion: 75 Resp: 13303
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.4 52.3#
 77 0.4 25.4 38.0#

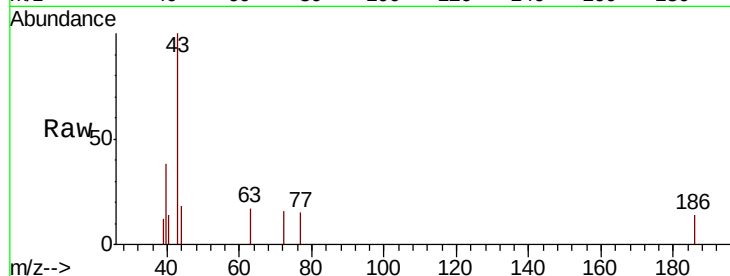




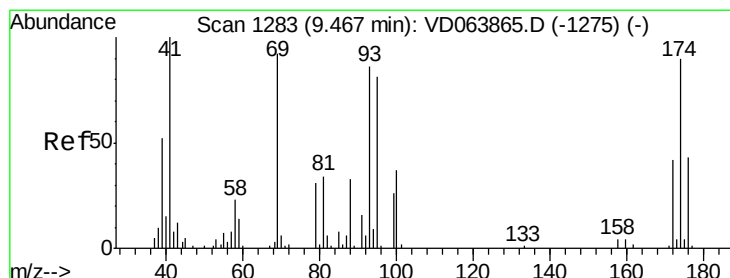
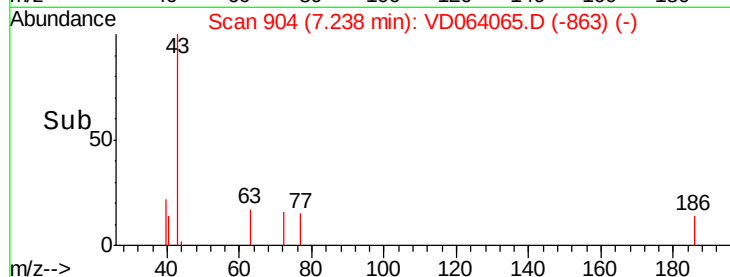
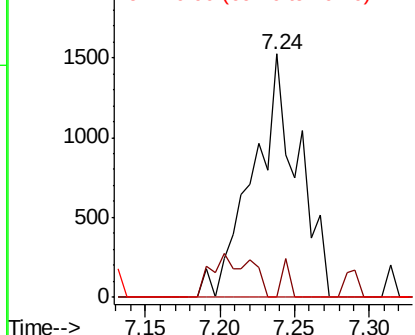
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.24 min Scan# 904
Delta R.T. -0.06 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3185
Ion Ratio Lower Upper
43 100
61 2.7 11.5 17.3#
70 0.0 8.2 12.4#

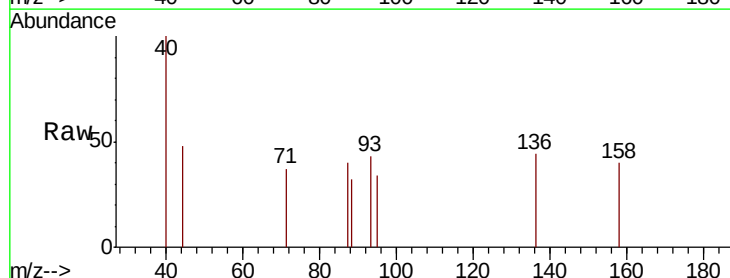


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

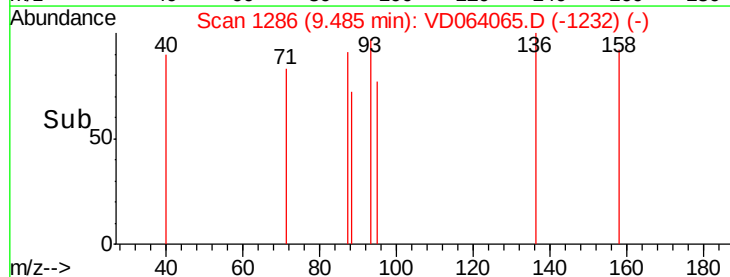
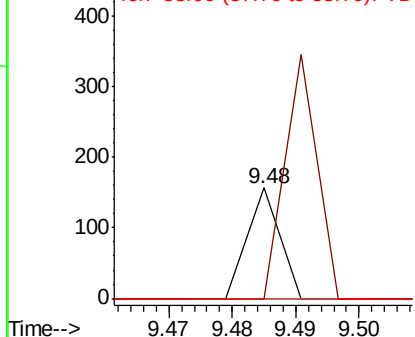


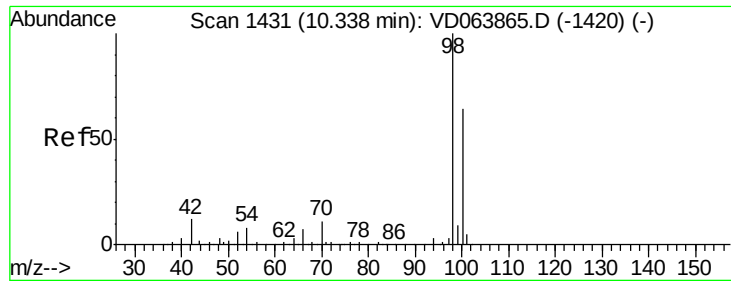
#49
1,4-Dioxane
Concen: 3.774 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.02 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 221.8 27.6 41.4#
58 0.0 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

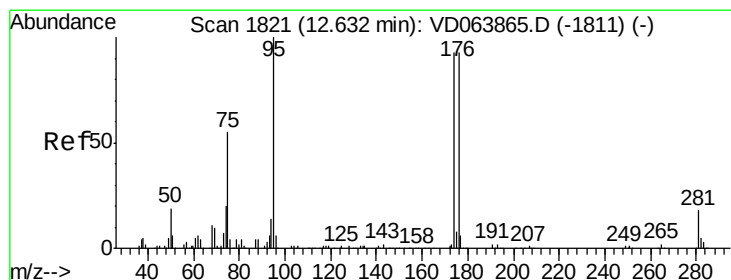
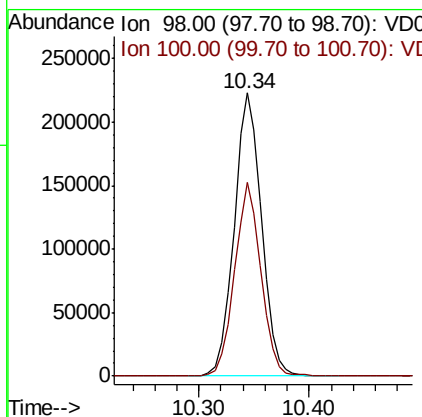
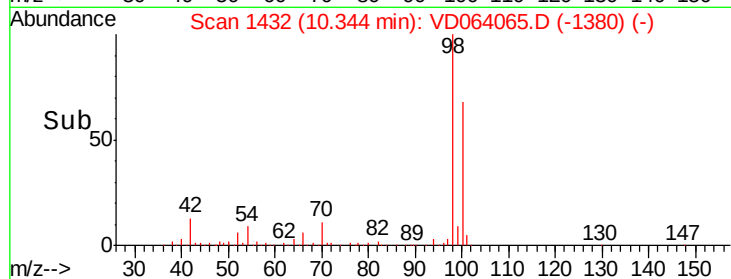
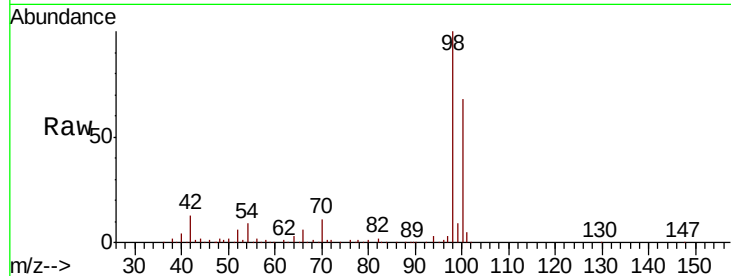




#50
Toluene-d8
Concen: 53.527 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

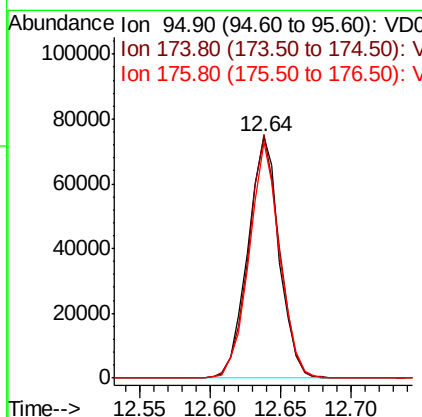
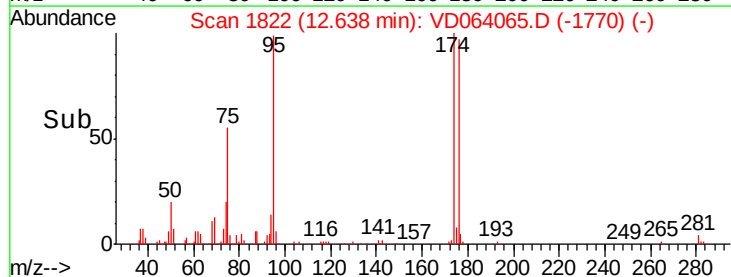
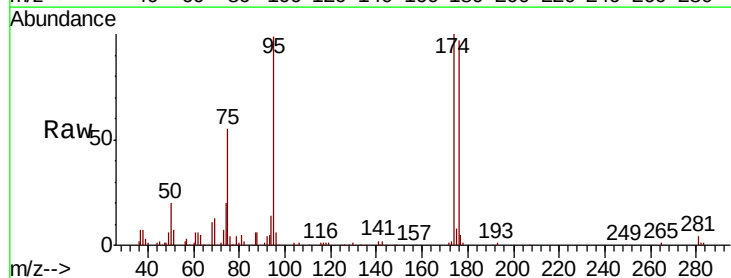
Instrument :
MSVOA_D
ClientSampled :

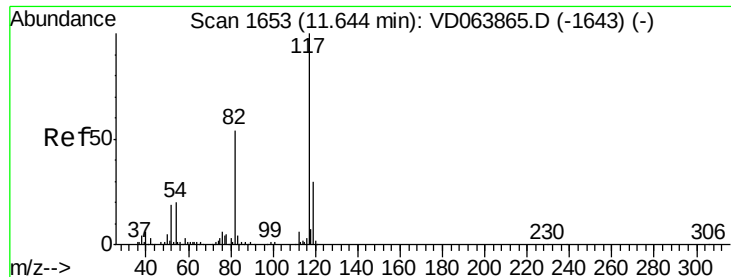
Tot Ion: 98 Resp: 388146
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.256 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

Tgt Ion: 95 Resp: 116560
Ion Ratio Lower Upper
95 100
174 99.0 0.0 186.4
176 94.7 0.0 184.2

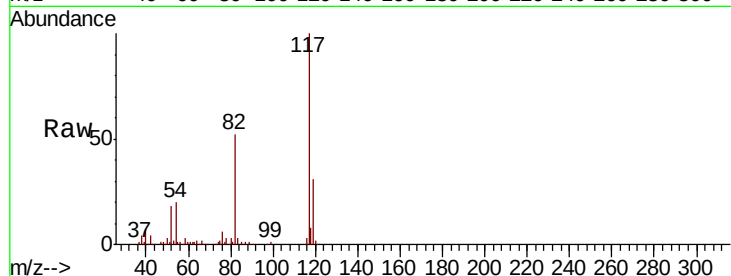




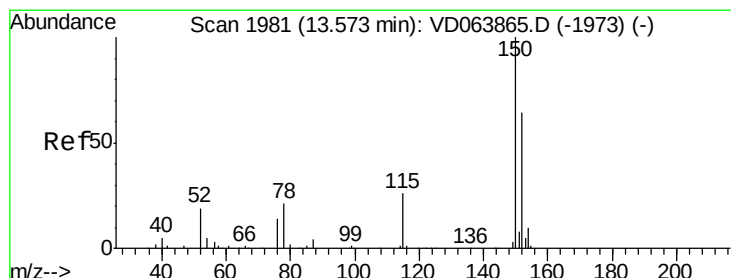
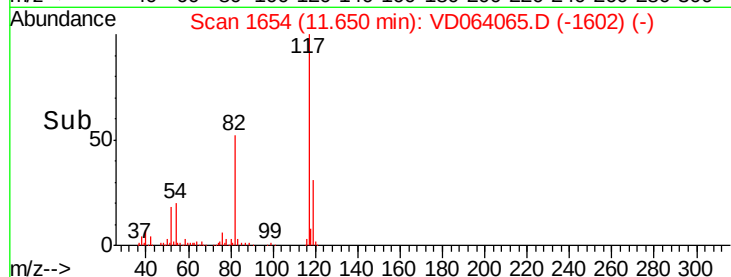
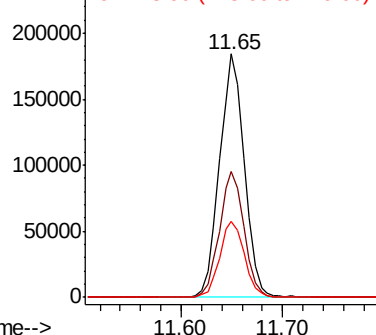
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.8	64.2
119	31.2	24.4	36.6

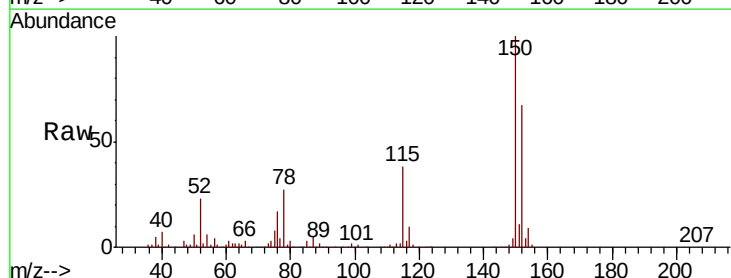


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

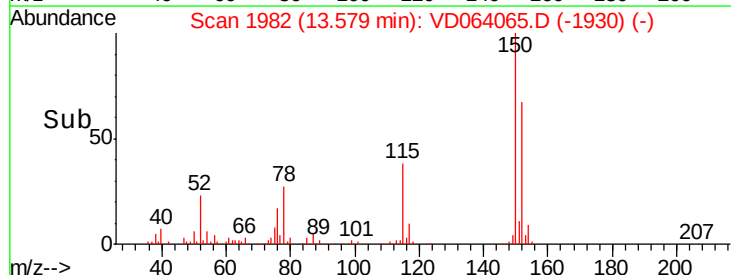
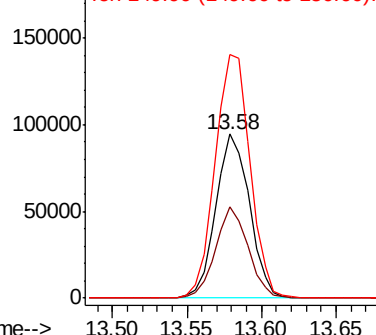


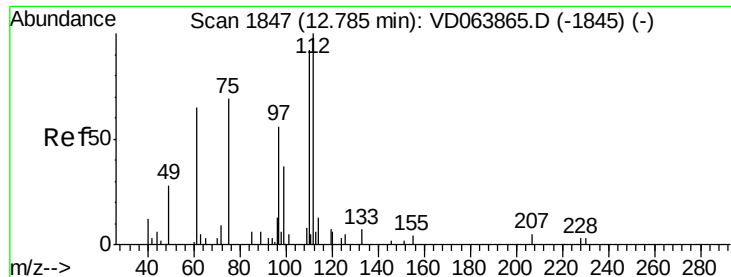
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064065.D
Acq: 25 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.9	77.7
150	154.6	0.0	344.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 69.684 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064065.D

Acq: 25 Oct 2019 15:08

Instrument :

MSVOA_D

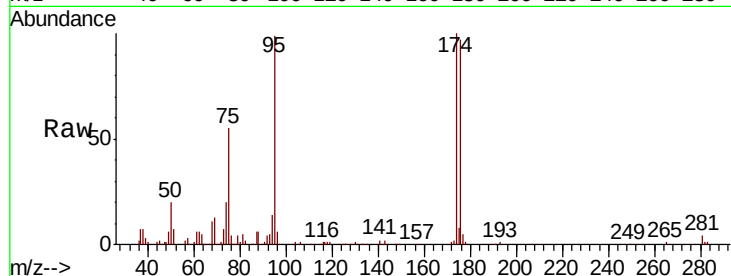
ClientSampleId :

Tot Ion: 75 Resp: 68607

Ion Ratio Lower Upper

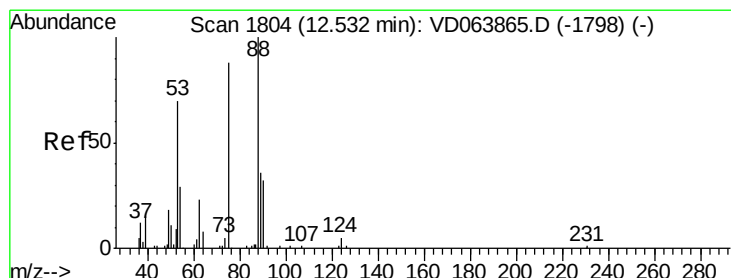
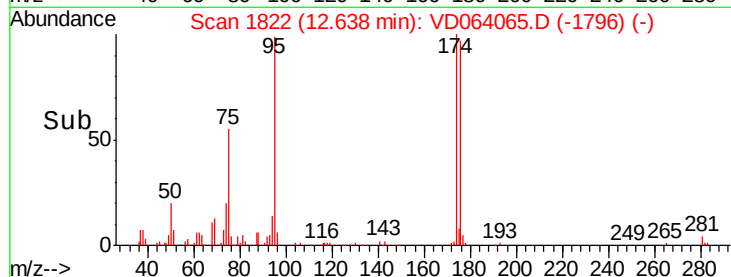
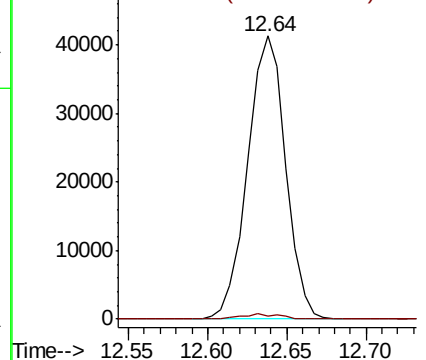
75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 123.313 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064065.D

Acq: 25 Oct 2019 15:08

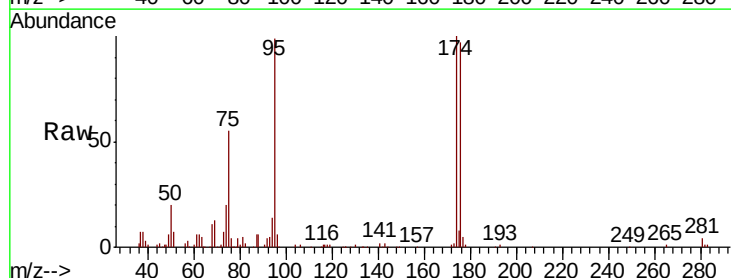
Tgt Ion: 75 Resp: 68607

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

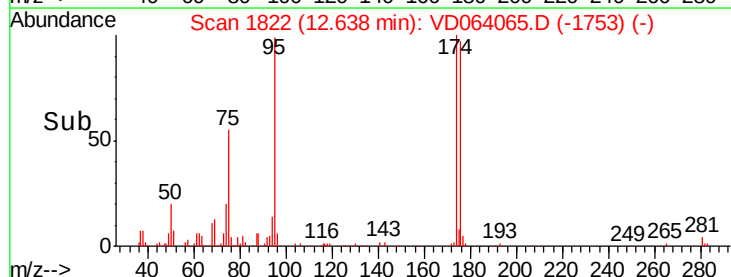
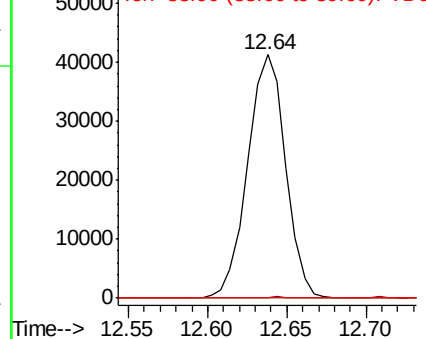
89 0.0 38.2 57.4#

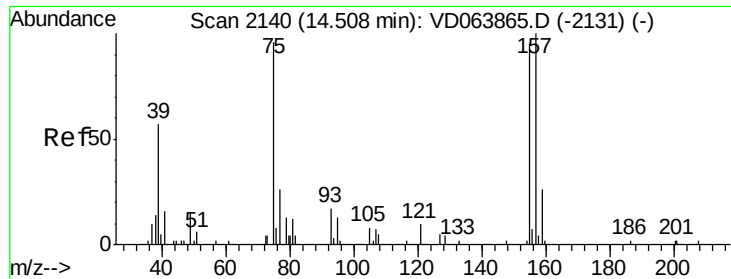


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064065.D

Acq: 25 Oct 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

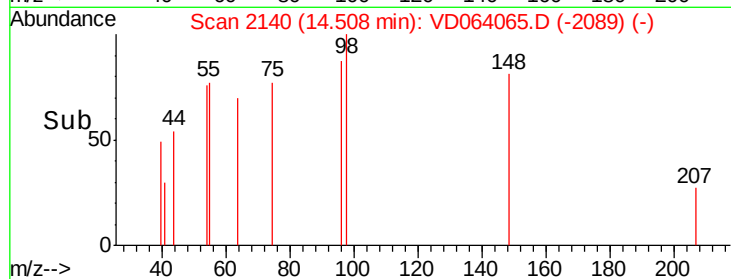
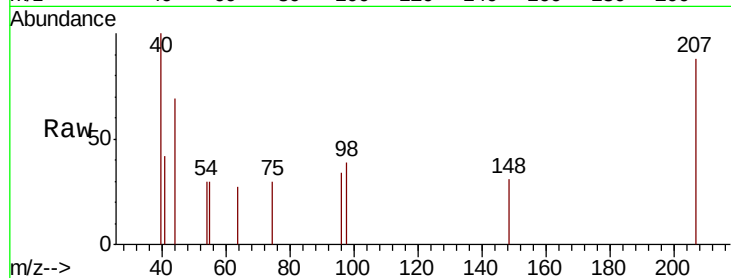
Tot Ion: 75 Resp: 59

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

