

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064050.D
 Acq On : 24 Oct 2019 17:17
 Operator : VA/SY
 Sample : K5498-20RE
 Misc : 3.86G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:59:01 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	135301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	267773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125902	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	81044	61.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.04%	
35) Dibromofluoromethane	7.92	113	79037	51.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.84%	
50) Toluene-d8	10.34	98	357178	57.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.52%	
62) 4-Bromofluorobenzene	12.64	95	99731	46.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.02%	

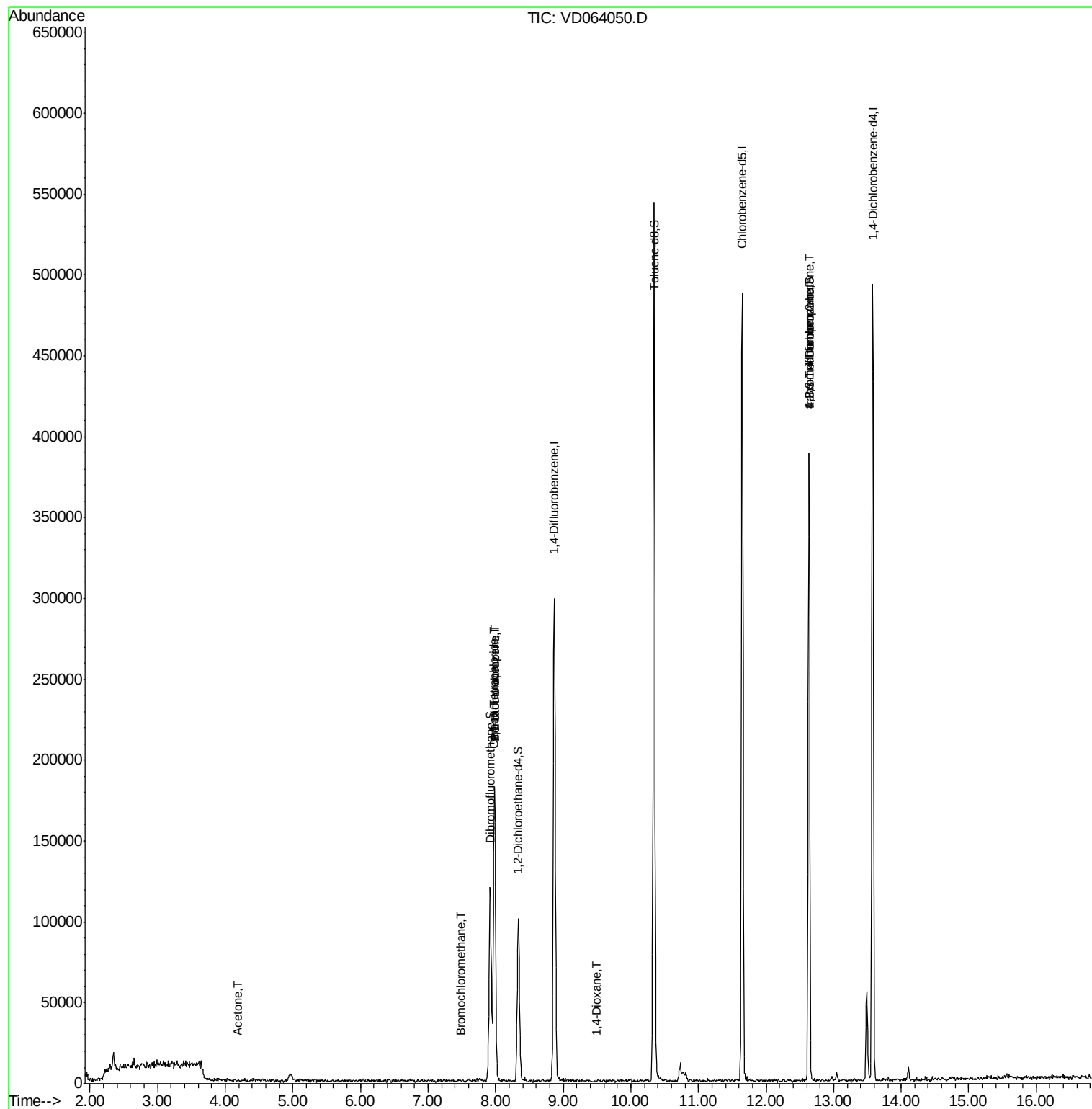
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	170	Below Cal	#	66
11) Tert butyl alcohol	5.41	59	63	Below Cal	#	71
16) Acetone	4.18	43	456	1.330	ug/l #	42
20) Methylene Chloride	4.97	84	1727	Below Cal	#	65
28) Bromochloromethane	7.48	49	55	1.923	ug/l #	10
31) Cyclohexane	7.98	56	3802	Below Cal	#	36
36) 1,1-Dichloropropene	7.98	75	10796	4.695	ug/l #	50
37) Ethyl Acetate	7.28	43	134	Below Cal	#	68
38) Carbon Tetrachloride	7.97	117	13191	5.677	ug/l #	18
49) 1,4-Dioxane	9.48	88	135	10.767	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	58577	69.465	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	58577	122.926	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	177	Below Cal	#	1

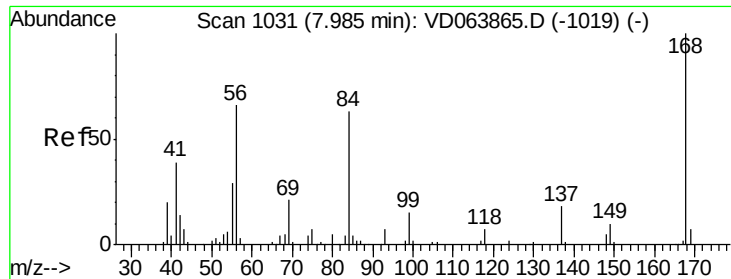
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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QLast Update : Sat Oct 05 03:51:17 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

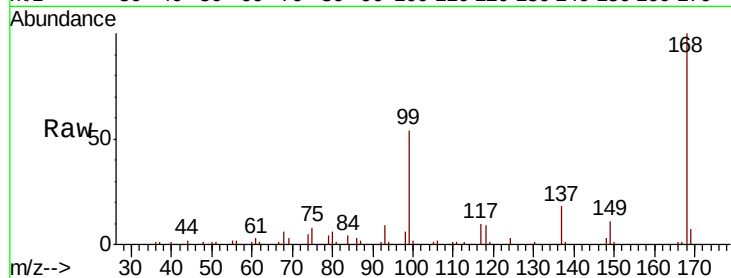
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 135301

Ion Ratio Lower Upper

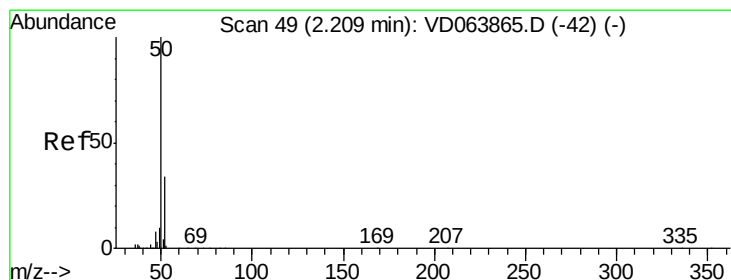
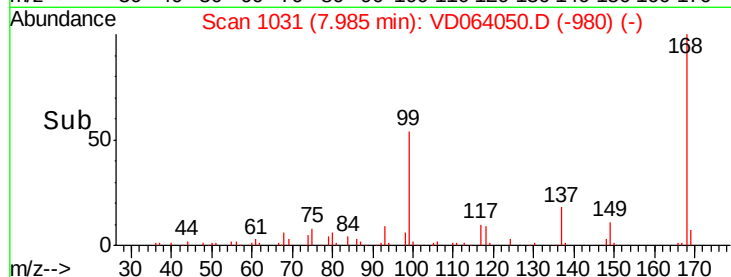
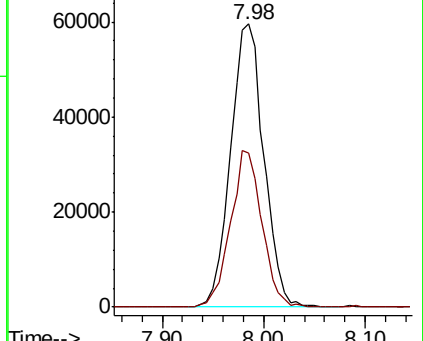
168 100

99 54.2 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: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064050.D

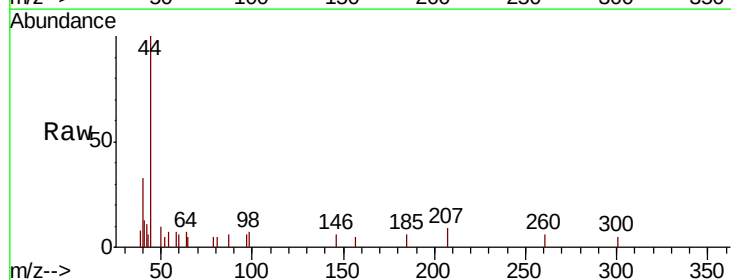
Acq: 24 Oct 2019 17:17

Tgt Ion: 50 Resp: 170

Ion Ratio Lower Upper

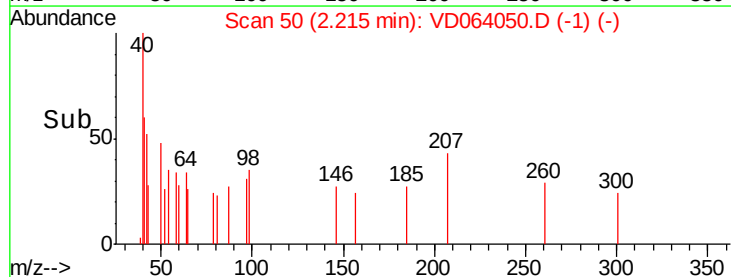
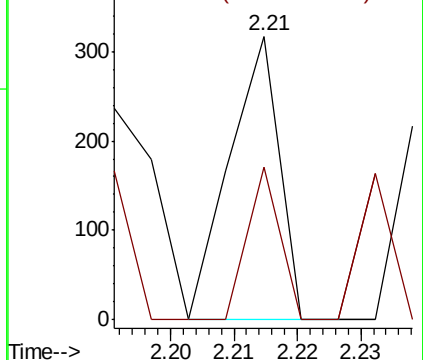
50 100

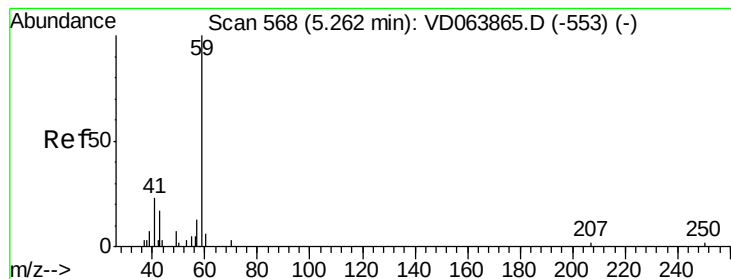
52 53.9 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



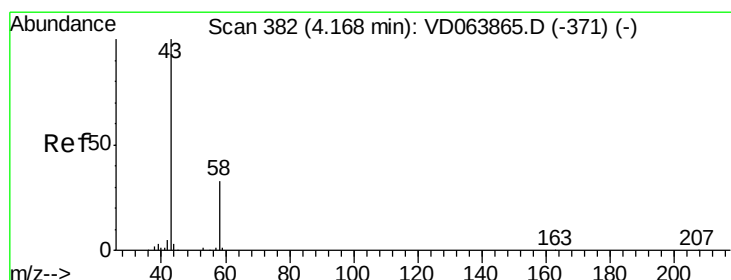
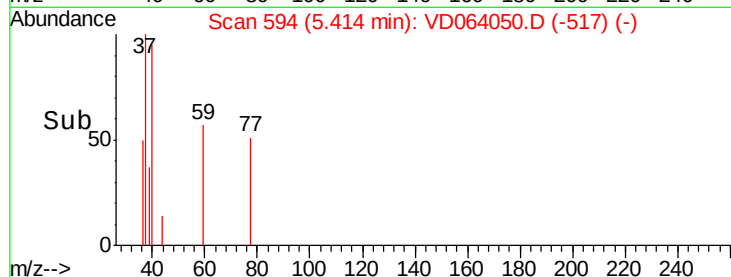
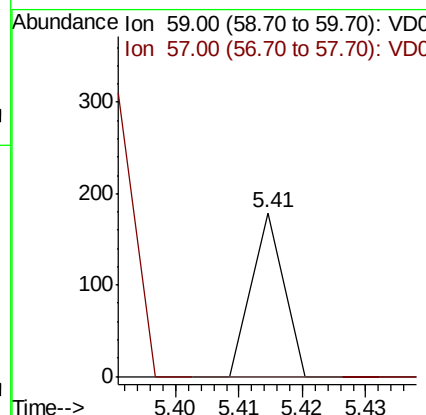
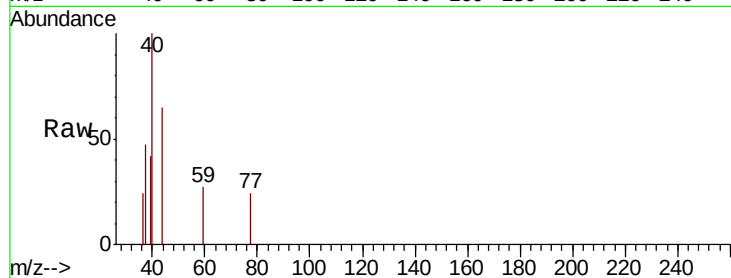


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.41 min Scan# 594
 Delta R.T. 0.15 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampled :

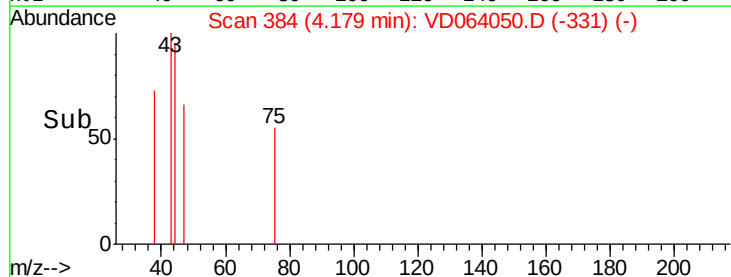
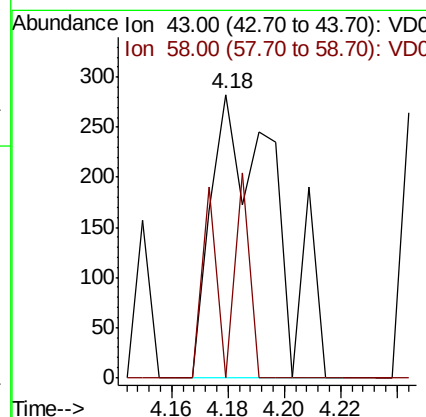
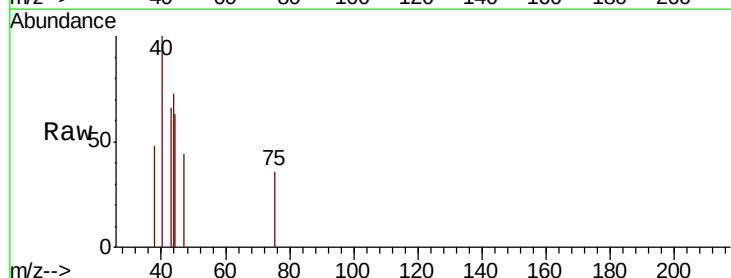
Tot Ion: 59 Resp: 63
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

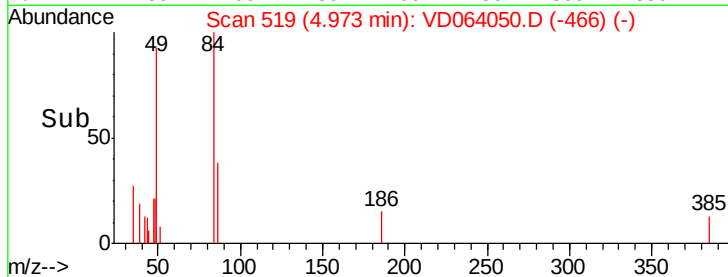
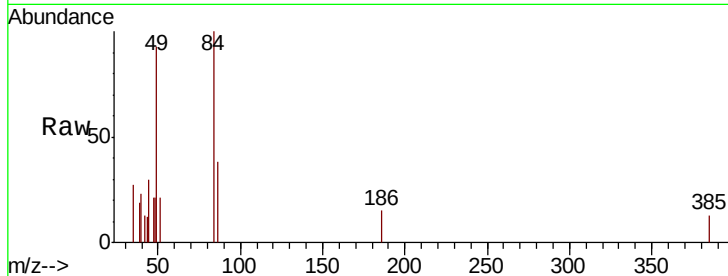
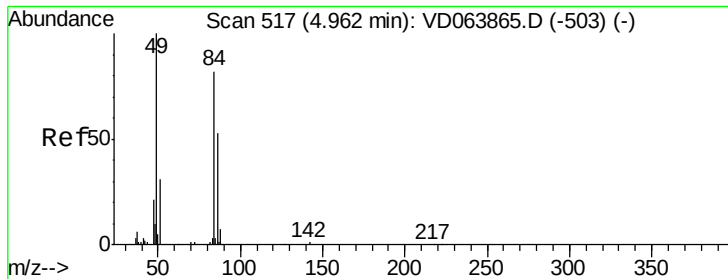


#16

Acetone
 Concen: 1.330 ug/l
 RT: 4.18 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

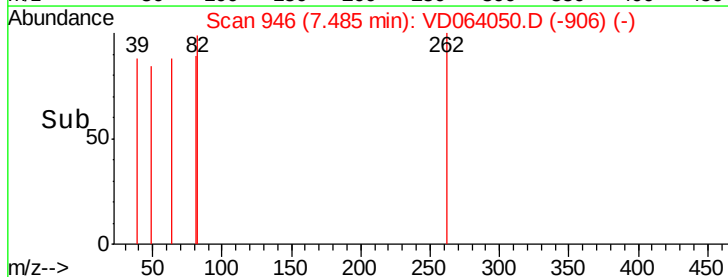
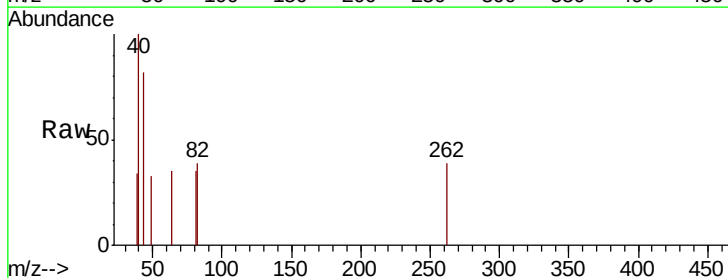
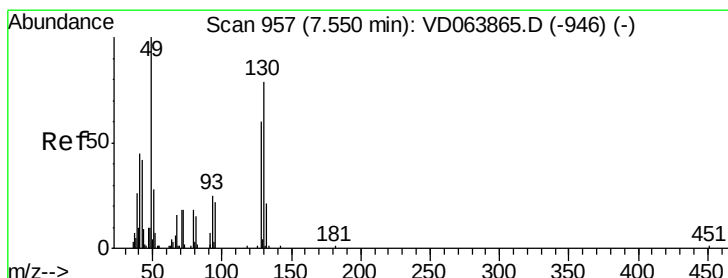
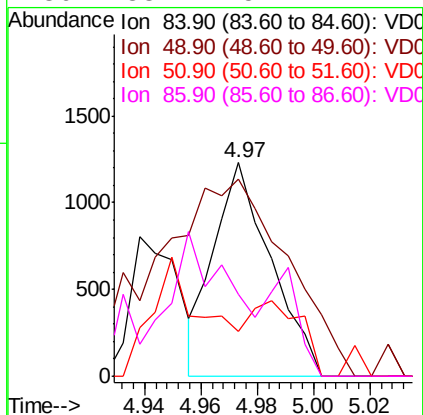
Tgt Ion: 43 Resp: 456
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#





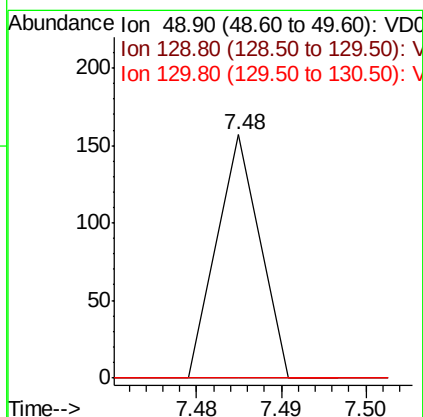
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

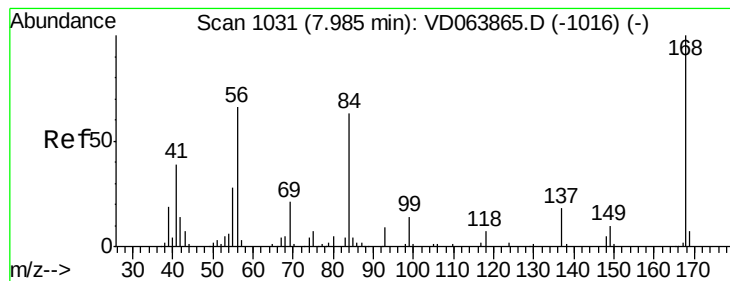
Tot Ion:	84	Resp:	1727
Ion	Ratio	Lower	Upper
84	100		
49	79.4	97.3	145.9#
51	20.7	30.1	45.1#
86	38.2	51.4	77.2#



#28
Bromochloromethane
Concen: 1.923 ug/l
RT: 7.48 min Scan# 946
Delta R.T. -0.06 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

Tgt Ion:	49	Resp:	55
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	0.0	66.8	100.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

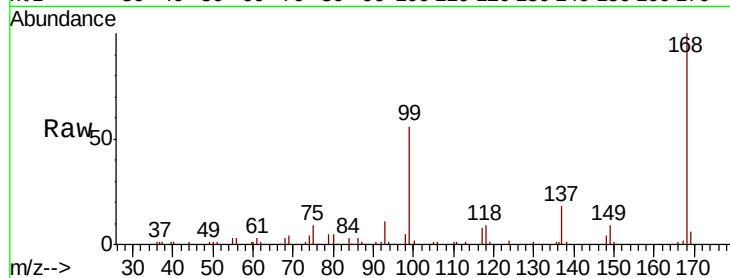
Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

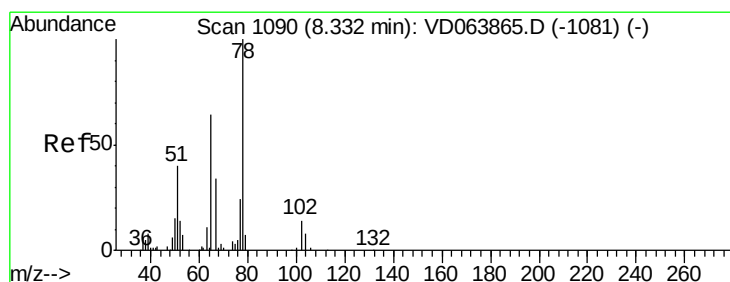
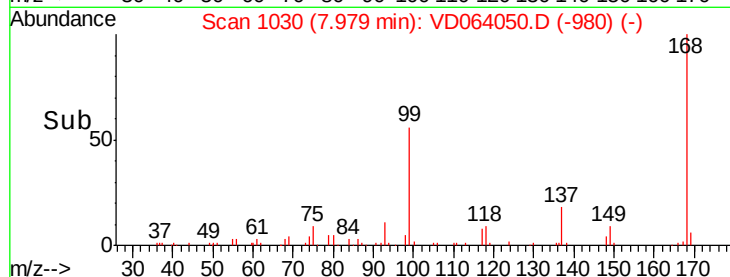
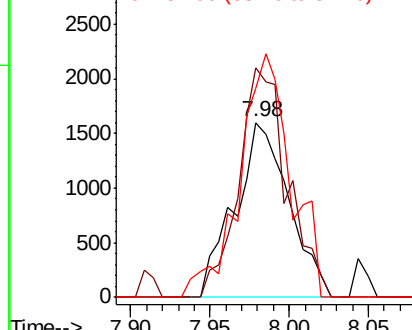
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3802

Ion	Ratio	Lower	Upper
56	100		
69	131.8	25.0	37.4#
84	119.8	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: 61.525 ug/l

RT: 8.34 min Scan# 1091

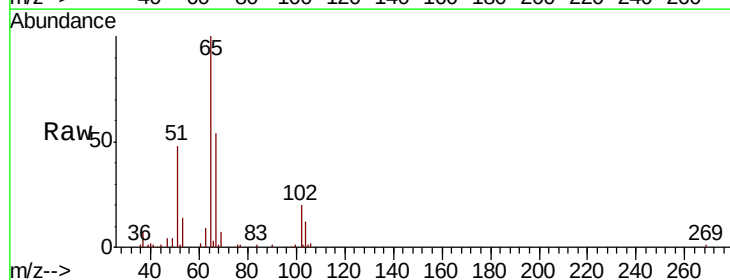
Delta R.T. 0.01 min

Lab File: VD064050.D

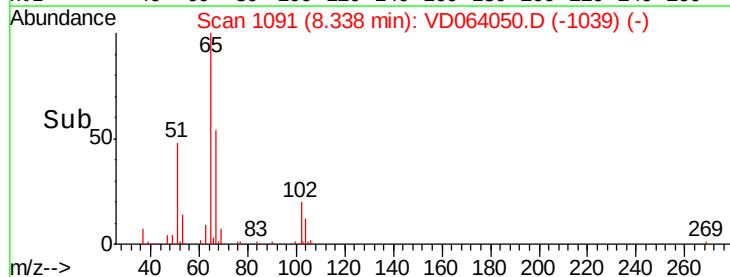
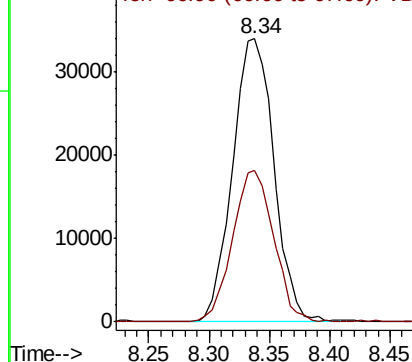
Acq: 24 Oct 2019 17:17

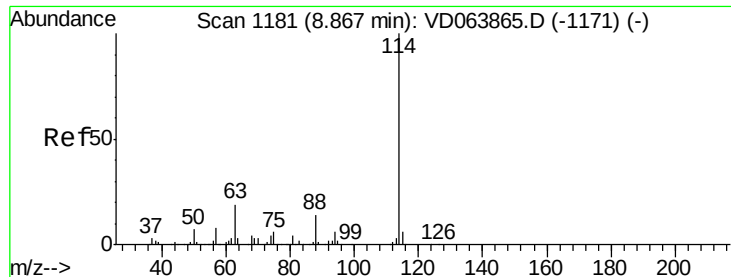
Tgt Ion: 65 Resp: 81044

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.4



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

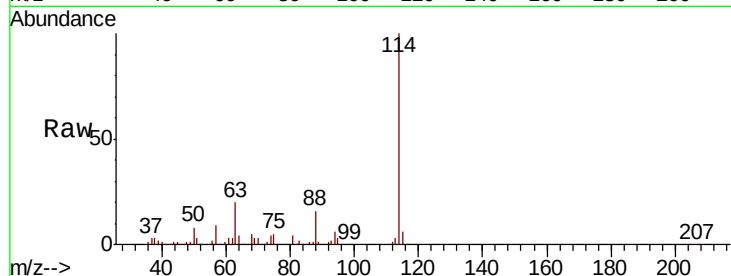




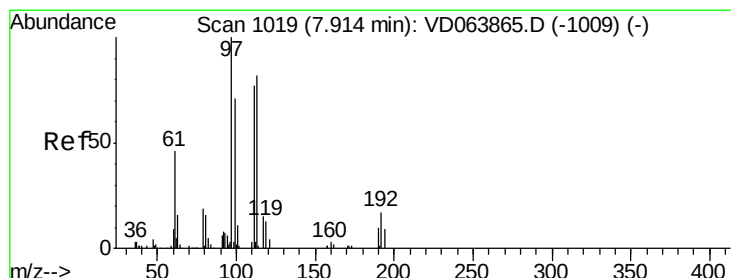
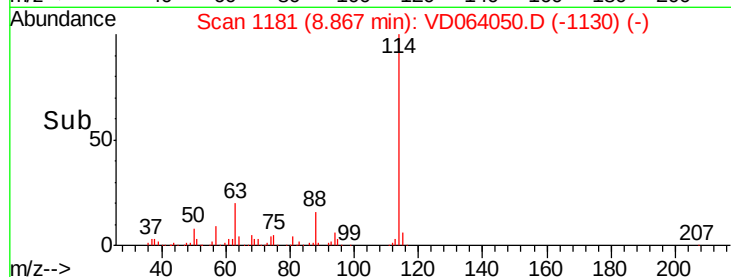
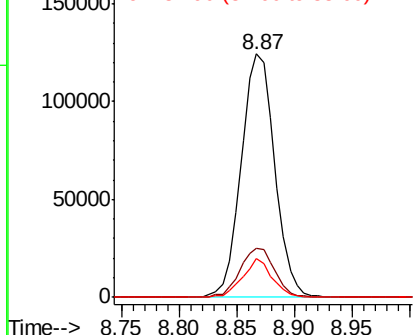
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	38.4
88	15.8	0.0	27.4

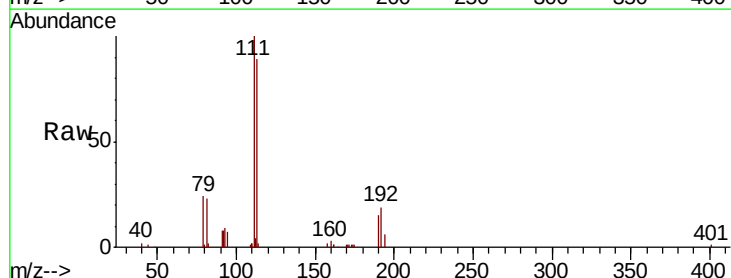


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

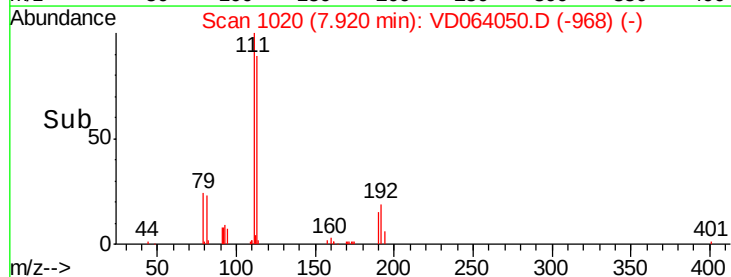
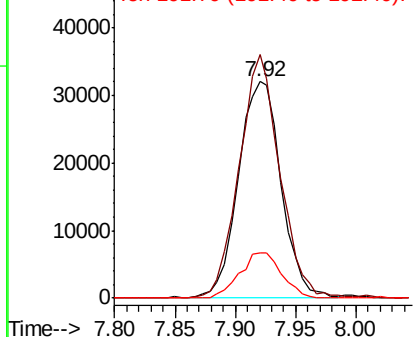


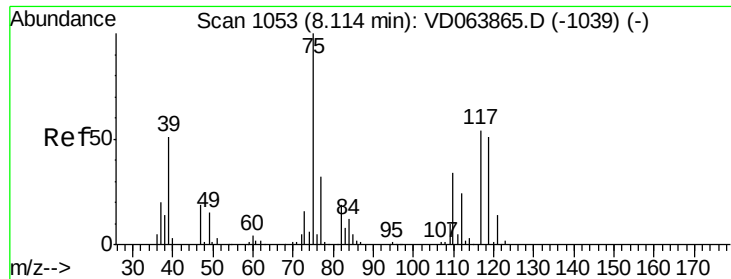
#35
 Dibromofluoromethane
 Concen: 51.424 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.8	82.6	123.8
192	20.4	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

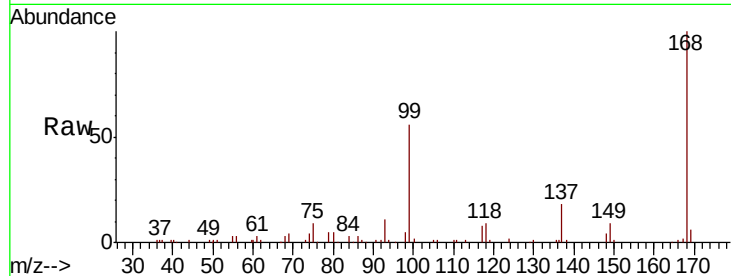




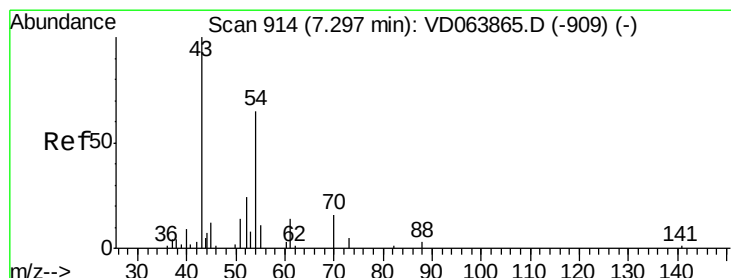
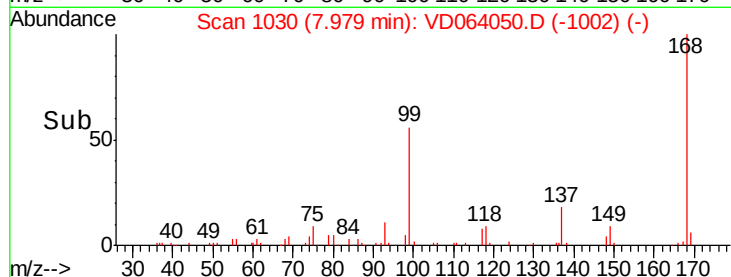
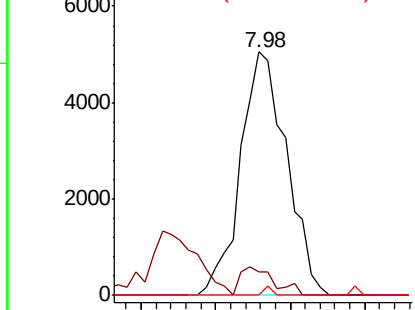
#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 10796
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.3#
 77 0.7 25.4 38.0#

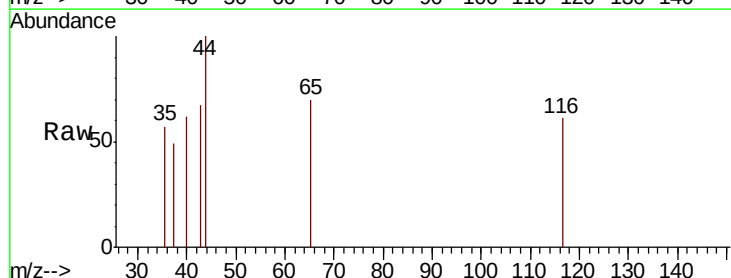


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

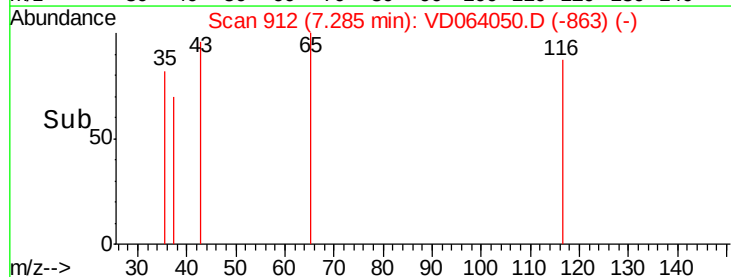
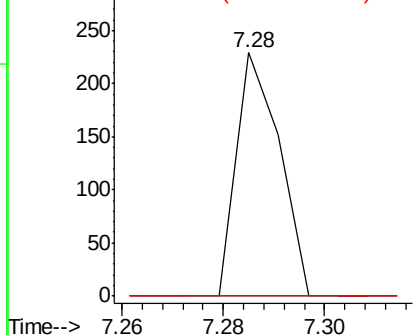


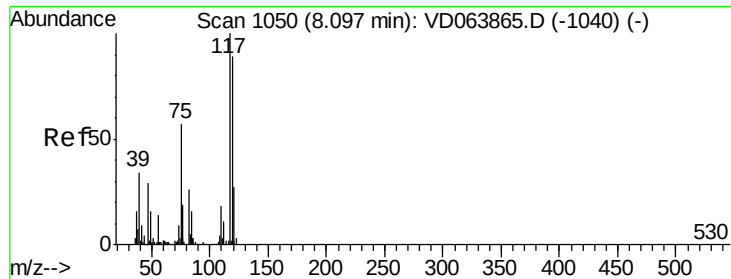
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.28 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Tgt Ion: 43 Resp: 134
 Ion Ratio Lower Upper
 43 100
 61 0.0 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





#38

Carbon Tetrachloride

Concen: 5.677 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

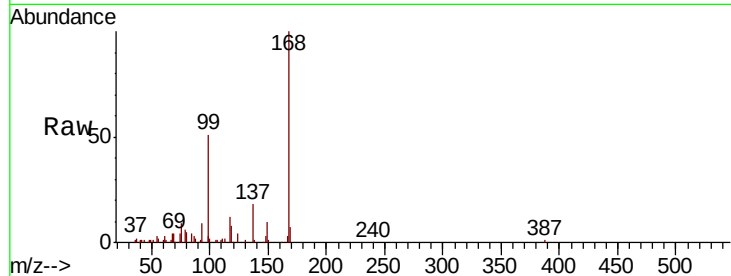
Tot Ion:117 Resp: 13191

Ion Ratio Lower Upper

117 100

119 3.1 70.8 106.2#

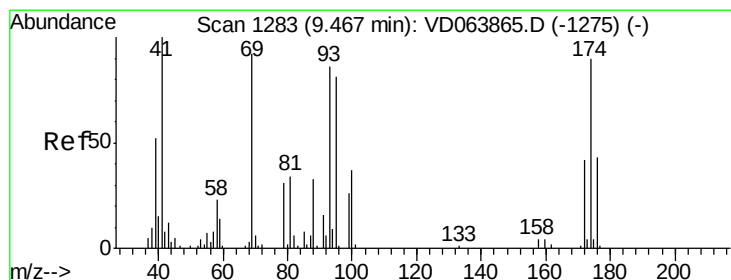
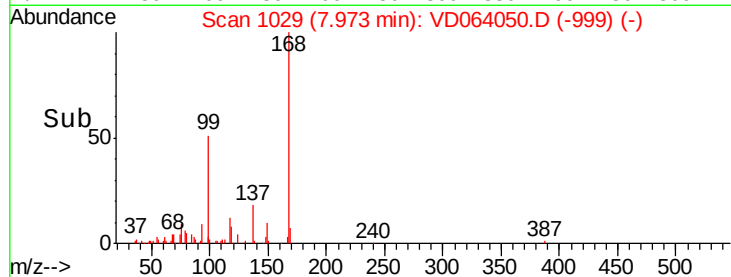
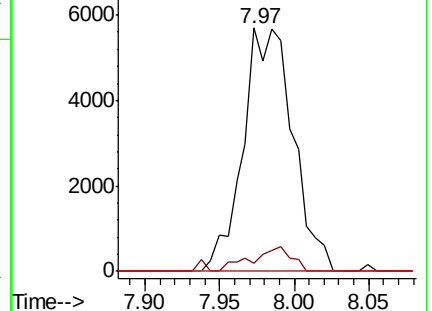
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 10.767 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.02 min

Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

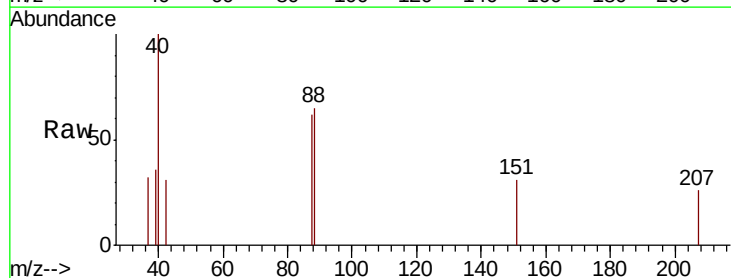
Tgt Ion: 88 Resp: 135

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

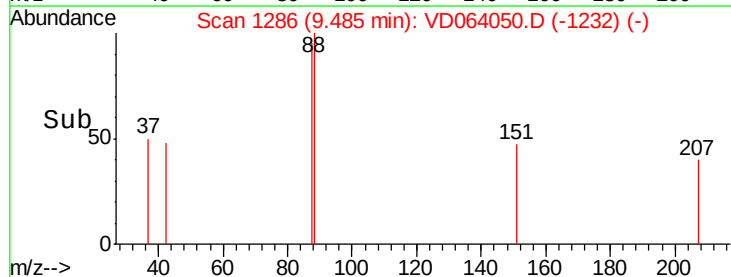
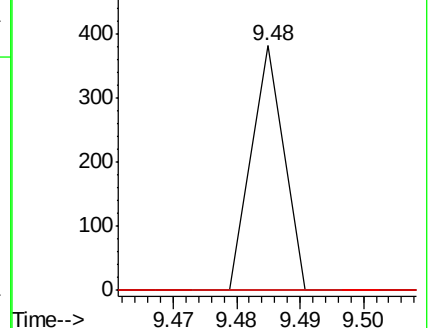
58 0.0 54.1 81.1#

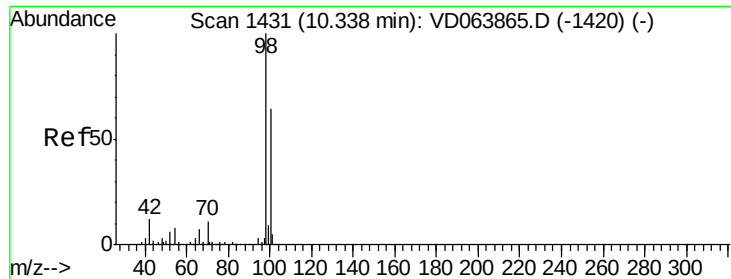


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

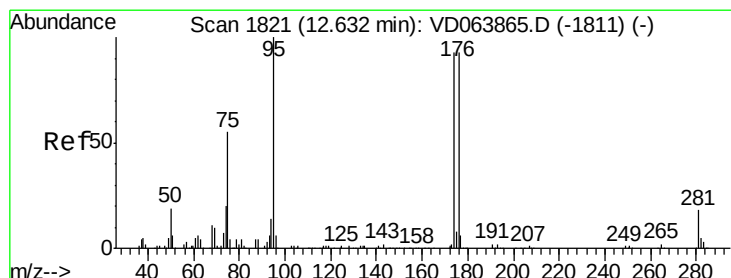
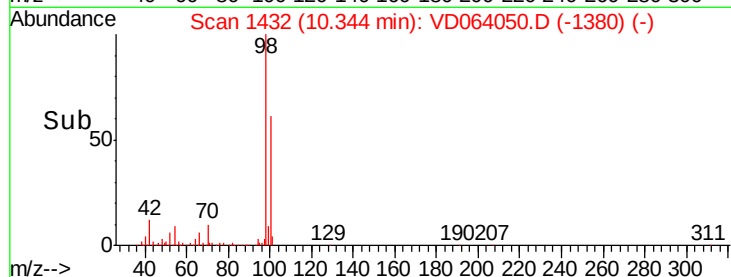
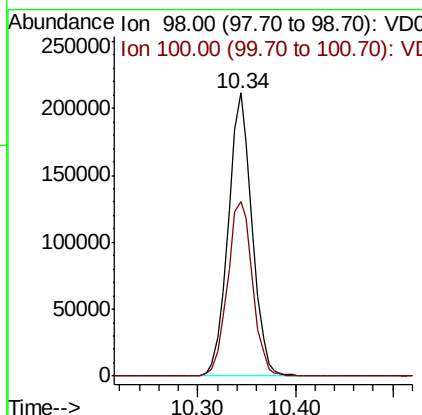
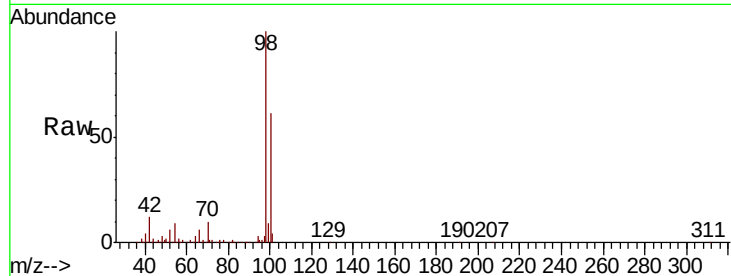




#50
Toluene-d8
Concen: 57.256 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

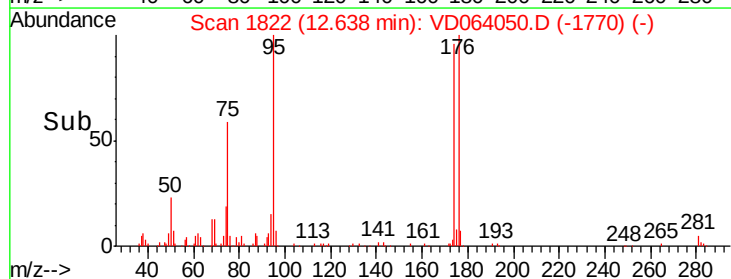
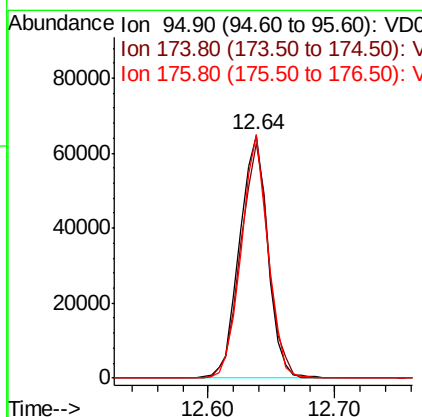
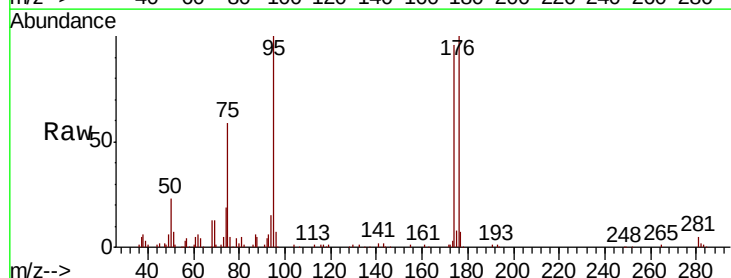
Instrument :
MSVOA_D
ClientSampleId :

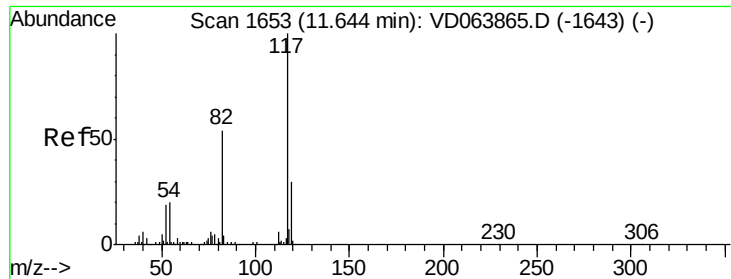
Tot Ion: 98 Resp: 357178
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.006 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

Tgt Ion: 95 Resp: 99731
Ion Ratio Lower Upper
95 100
174 96.0 0.0 186.4
176 95.3 0.0 184.2

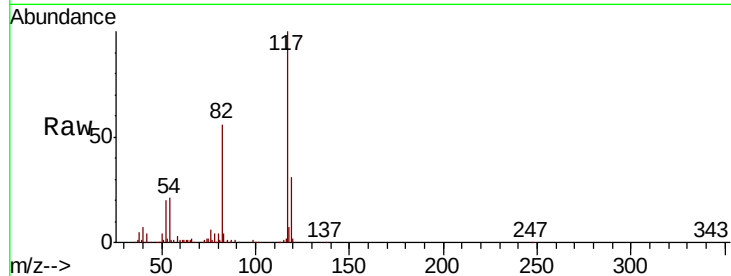




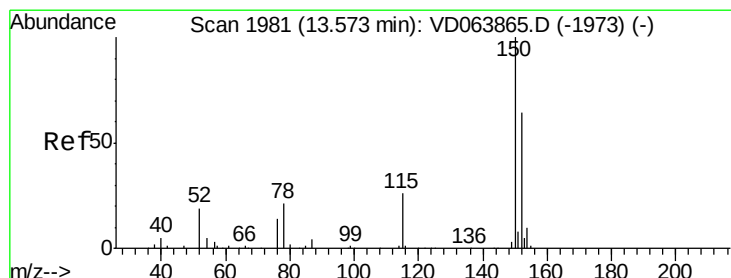
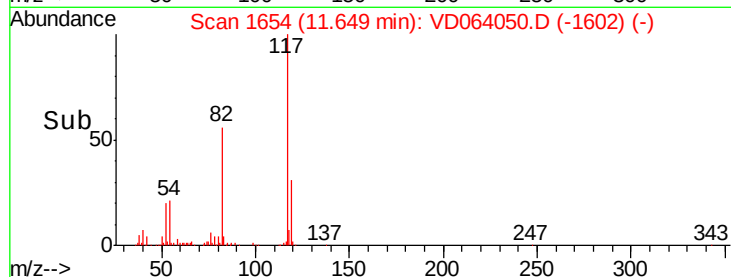
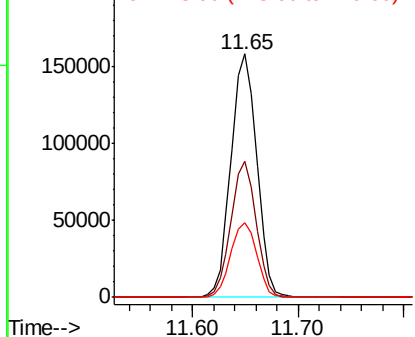
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 267773
Ion Ratio Lower Upper
117 100
82 55.8 42.8 64.2
119 30.8 24.4 36.6

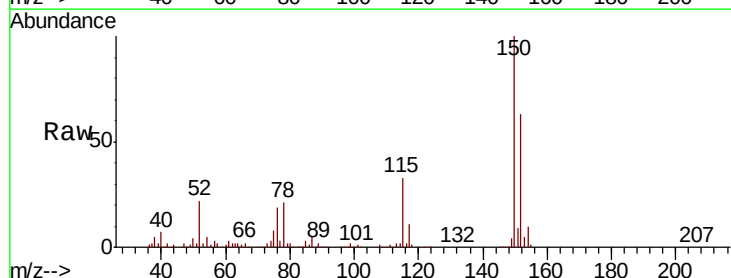


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

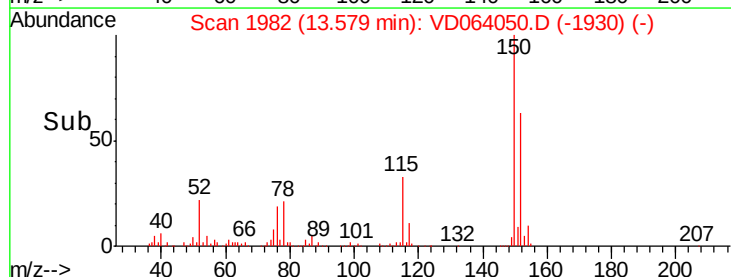
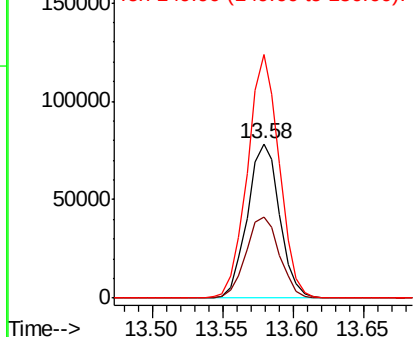


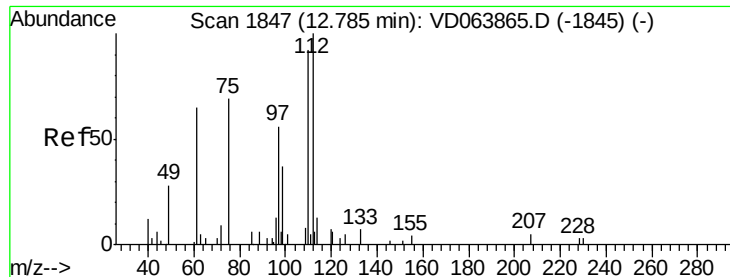
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

Tgt Ion:152 Resp: 125902
Ion Ratio Lower Upper
152 100
115 54.6 25.9 77.7
150 154.8 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

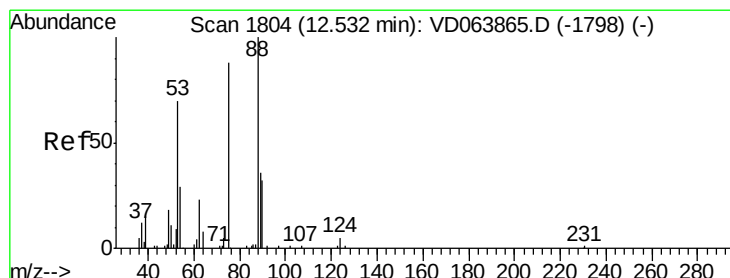
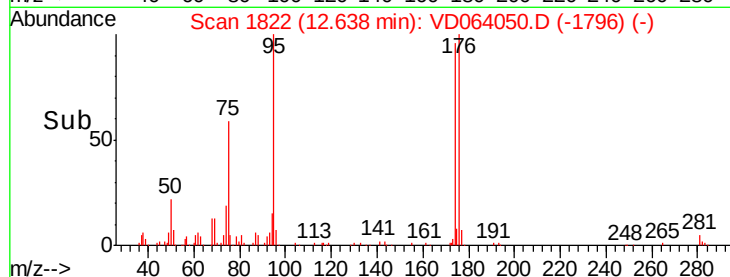
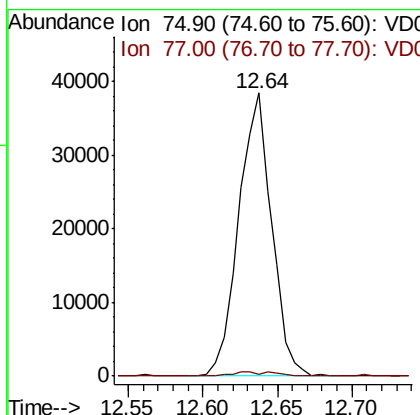
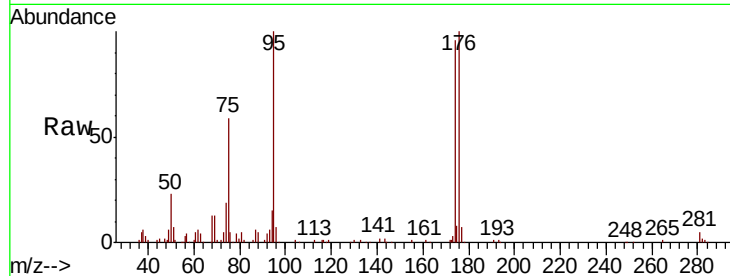




#76
 1,2,3-Trichloropropane
 Concen: 69.465 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

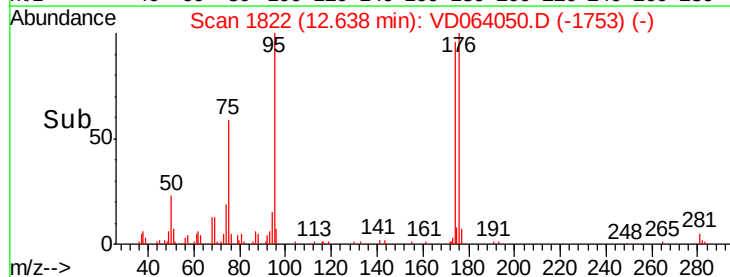
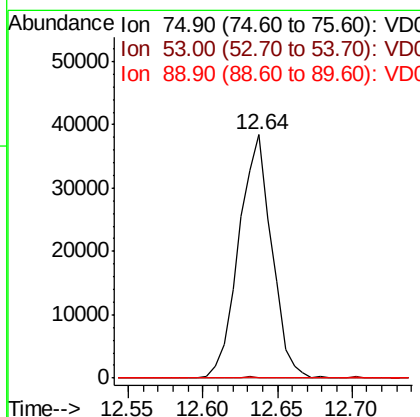
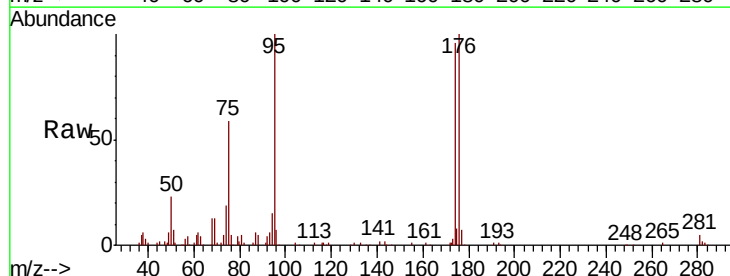
Instrument :
 MSVOA_D
 ClientSampleId :

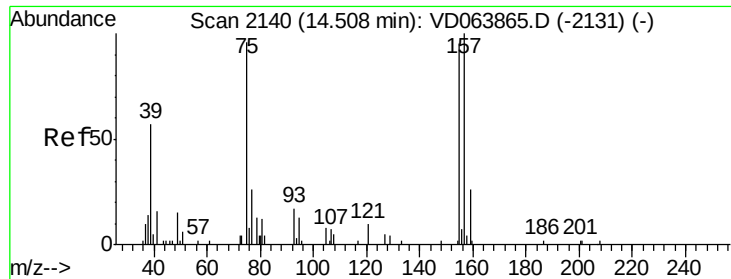
Tot Ion: 75 Resp: 58577
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.926 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Tgt Ion: 75 Resp: 58577
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.0 112.6#
 89 0.0 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: VD064050.D

Acq: 24 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 177

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

