

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064055.D
 Acq On : 24 Oct 2019 19:39
 Operator : VA/SY
 Sample : K5497-14RE
 Misc : 4.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:00:13 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	7.99	168	136499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	248779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	261974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	111772	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	78174	58.83	ug/l	0.00
Spiked Amount			Recovery	=	117.66%	
35) Dibromofluoromethane	7.92	113	75989	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.34	98	338023	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	12.63	95	95387	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	

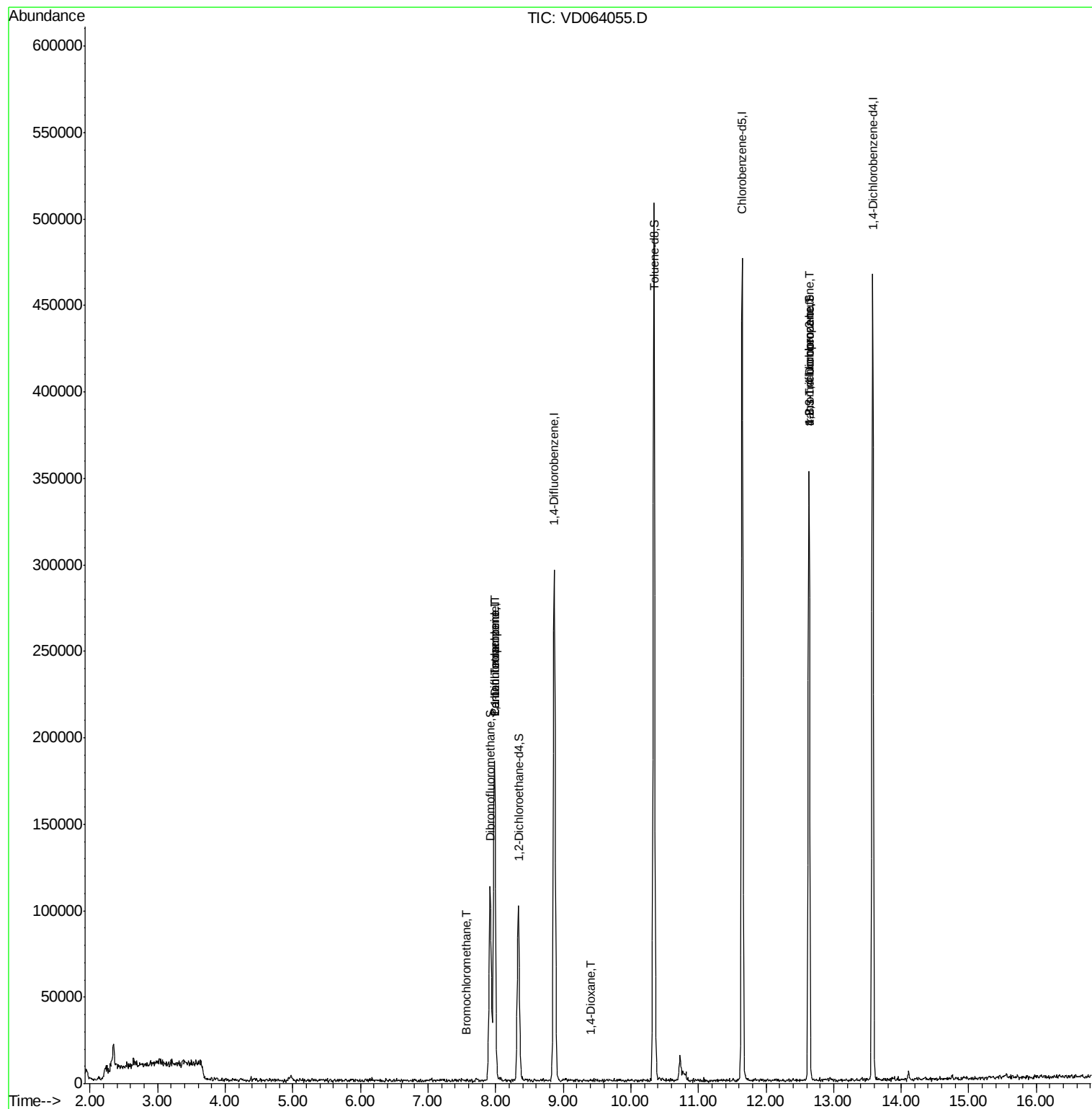
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	316	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	81	Below Cal	#	1
20) Methylene Chloride	4.94	84	1934	Below Cal	#	40
28) Bromochloromethane	7.57	49	185	2.060	ug/l #	10
31) Cyclohexane	7.99	56	3700	Below Cal	#	62
36) 1,1-Dichloropropene	7.98	75	11860	5.214	ug/l #	47
37) Ethyl Acetate	7.30	43	258	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	13183	5.735	ug/l #	20
49) 1,4-Dioxane	9.41	88	78	6.289	ug/l #	64
76) 1,2,3-Trichloropropane	12.64	75	55464	74.089	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	55464	131.107	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.57	75	65	Below Cal	#	1

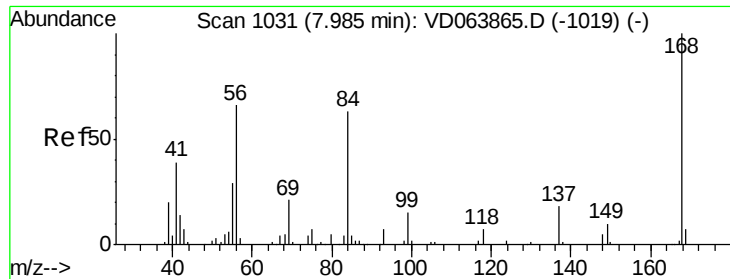
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

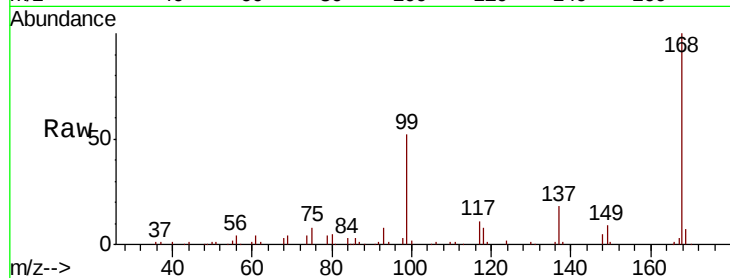
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 136499

Ion Ratio Lower Upper

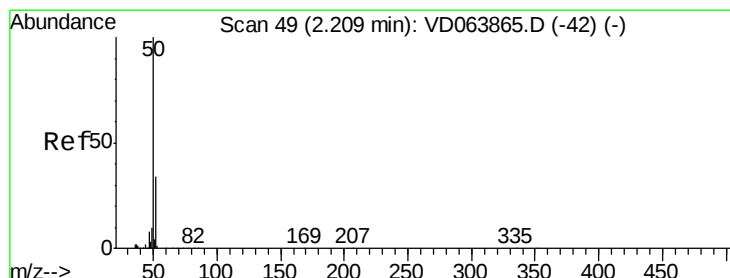
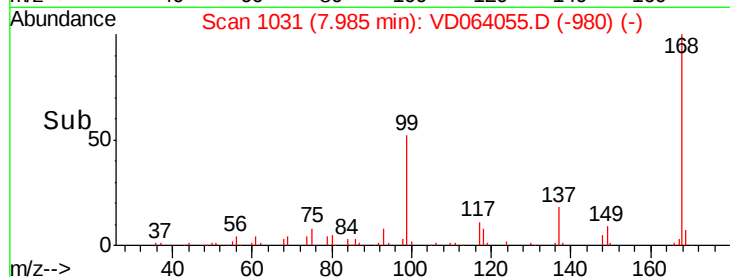
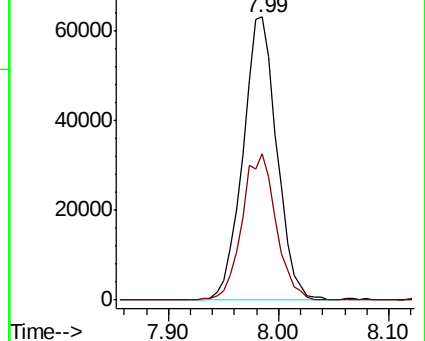
168 100

99 51.6 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# 49

Delta R.T. 0.00 min

Lab File: VD064055.D

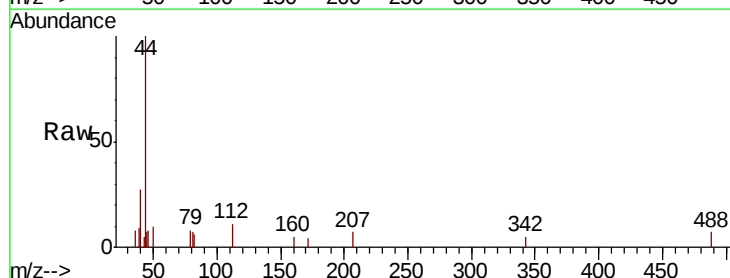
Acq: 24 Oct 2019 19:39

Tgt Ion: 50 Resp: 316

Ion Ratio Lower Upper

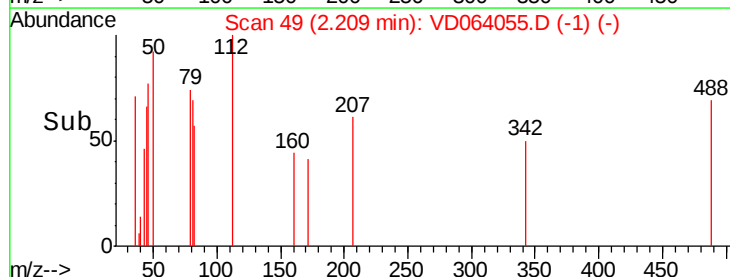
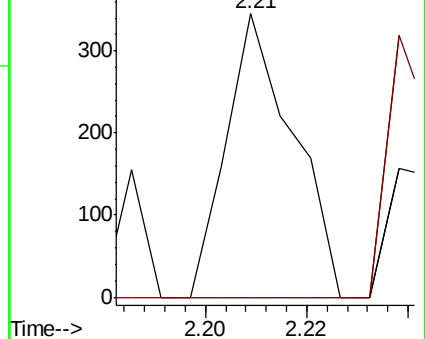
50 100

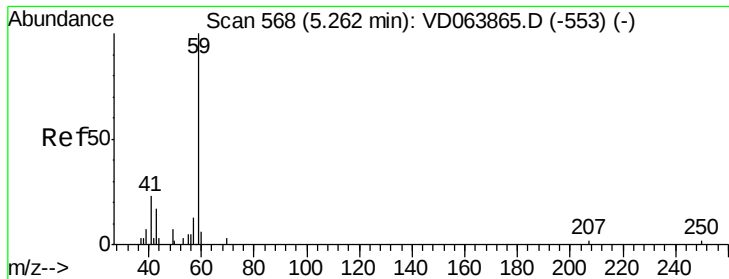
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



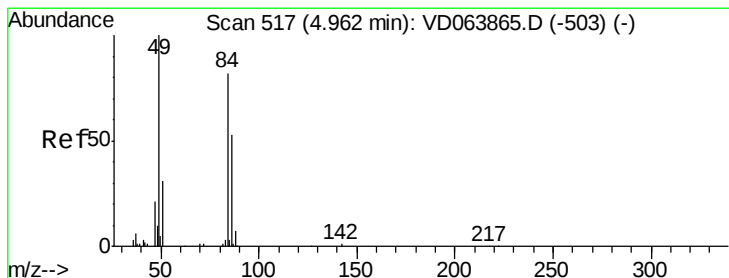
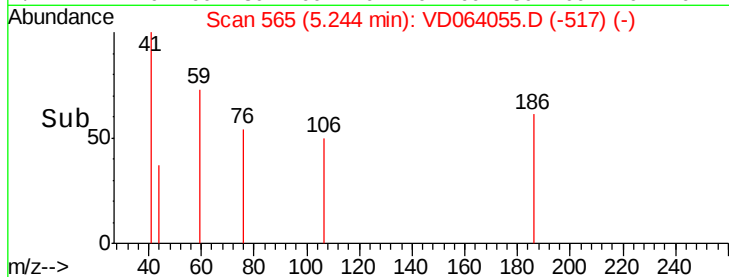
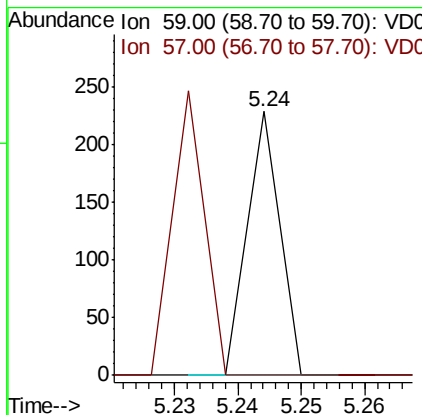
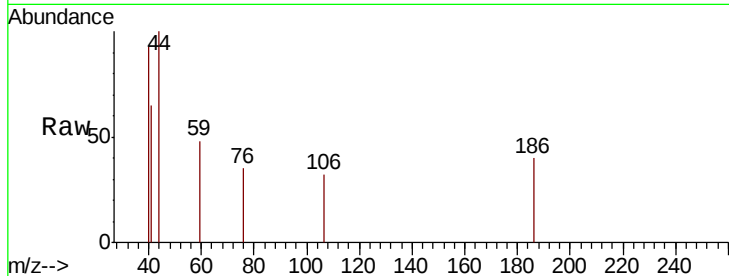


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064055.D
 Acq: 24 Oct 2019 19:39

Instrument :
 MSVOA_D
 ClientSampled :

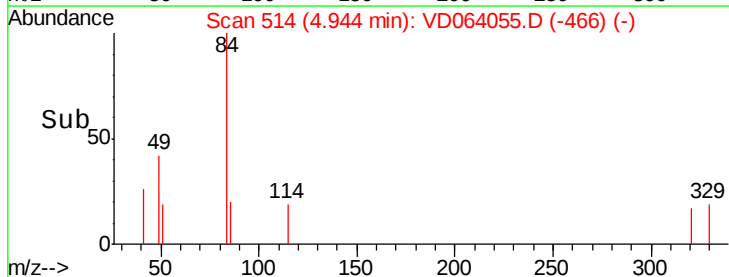
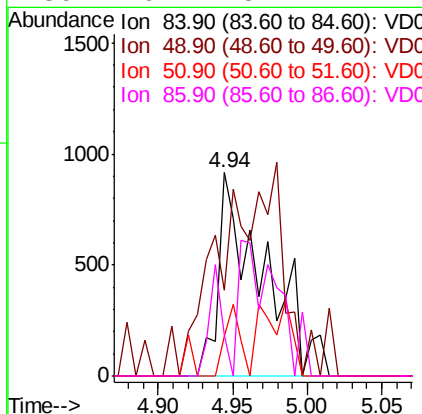
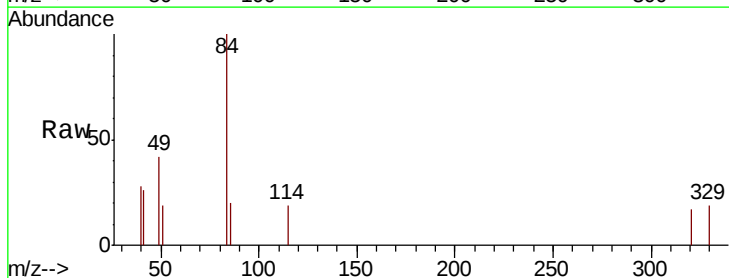
Tot Ion: 59 Resp: 81
 Ion Ratio Lower Upper
 59 100
 57 107.4 8.8 13.2#

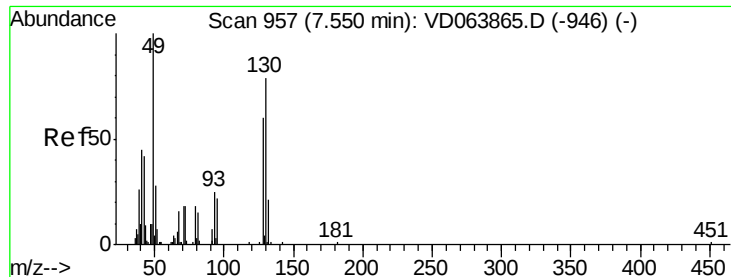


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.94 min Scan# 514
 Delta R.T. -0.02 min
 Lab File: VD064055.D
 Acq: 24 Oct 2019 19:39

Tgt Ion: 84 Resp: 1934
 Ion Ratio Lower Upper
 84 100
 49 42.1 97.3 145.9#
 51 19.2 30.1 45.1#
 86 20.4 51.4 77.2#





#28

Bromochloromethane

Concen: 2.060 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.02 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

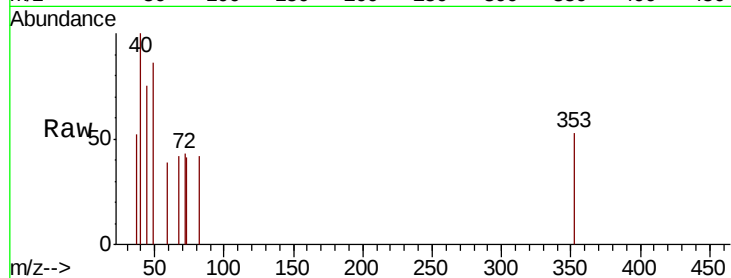
Tot Ion: 49 Resp: 185

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

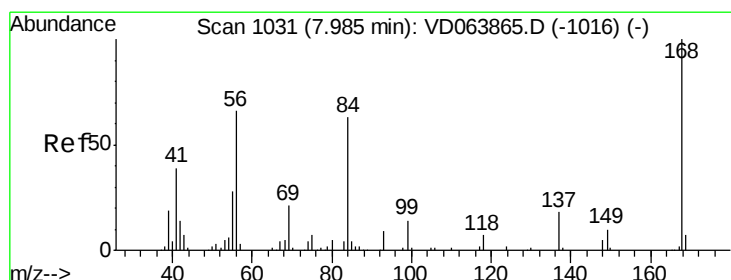
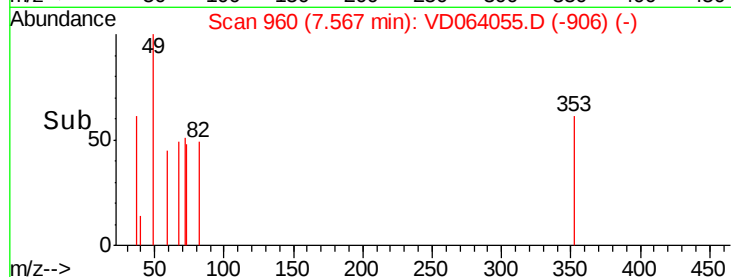
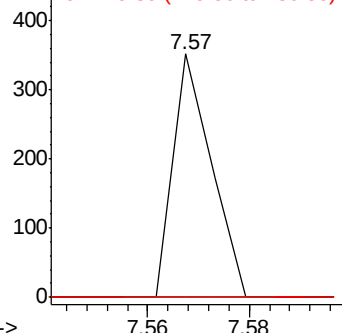
130 0.0 66.8 100.2#



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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

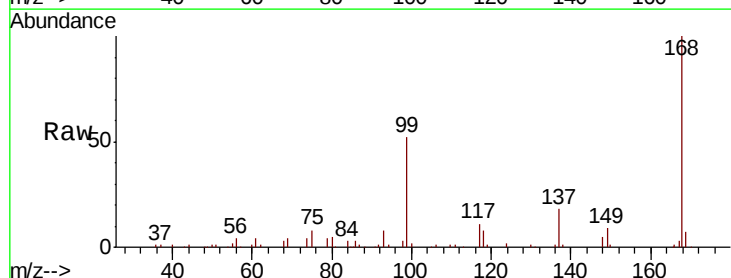
Tgt Ion: 56 Resp: 3700

Ion Ratio Lower Upper

56 100

69 98.0 25.0 37.4#

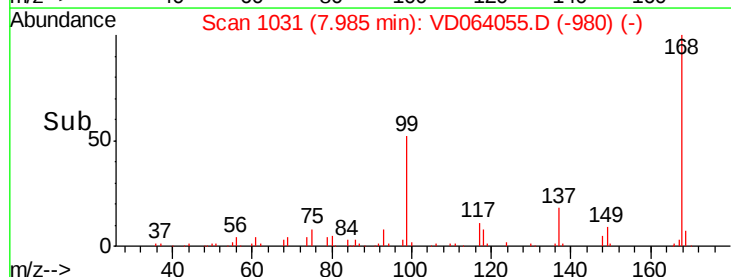
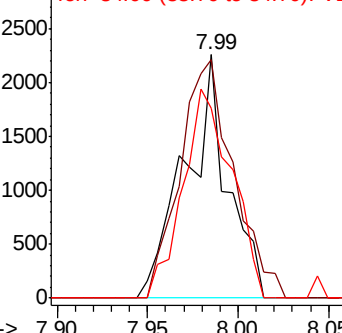
84 85.1 76.3 114.5

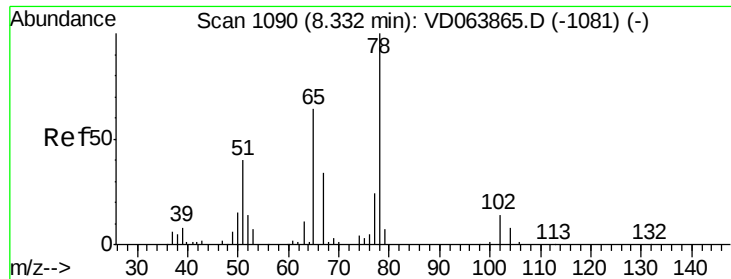


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.825 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

Instrument :

MSVOA_D

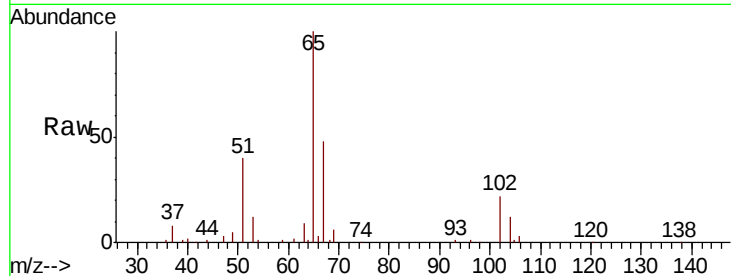
ClientSampleId :

Tot Ion: 65 Resp: 78174

Ion Ratio Lower Upper

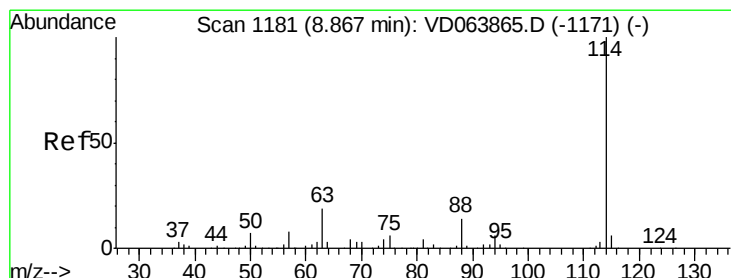
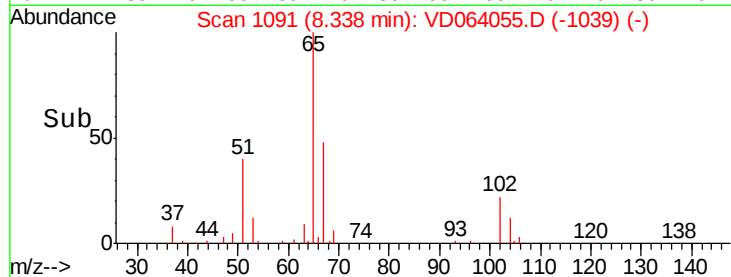
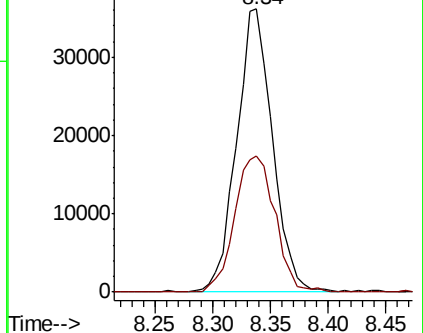
65 100

67 53.9 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: VD064055.D

Acq: 24 Oct 2019 19:39

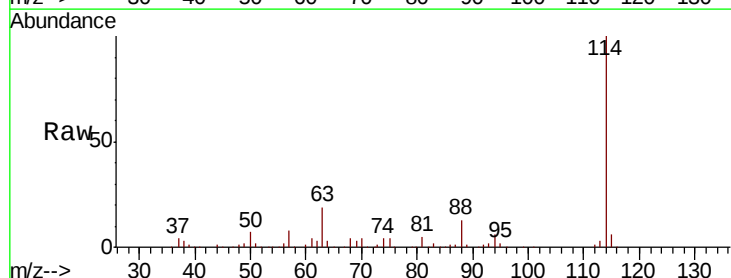
Tgt Ion: 114 Resp: 248779

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

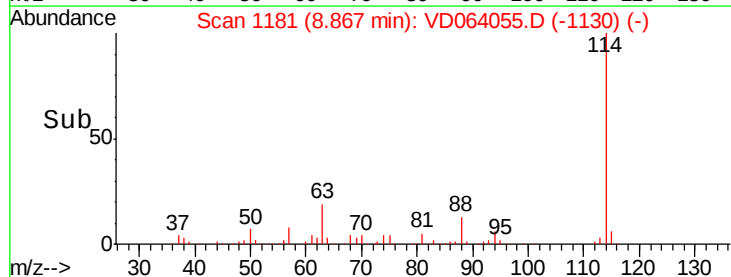
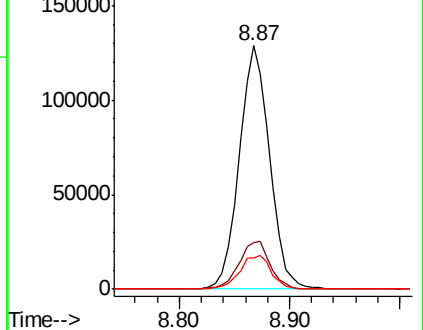
88 13.0 0.0 27.4

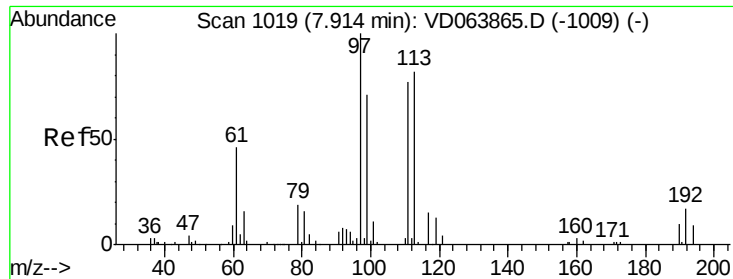


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

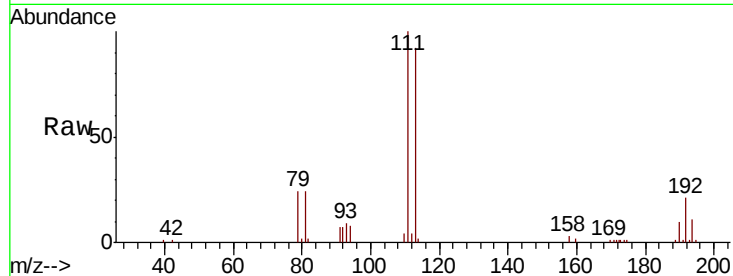




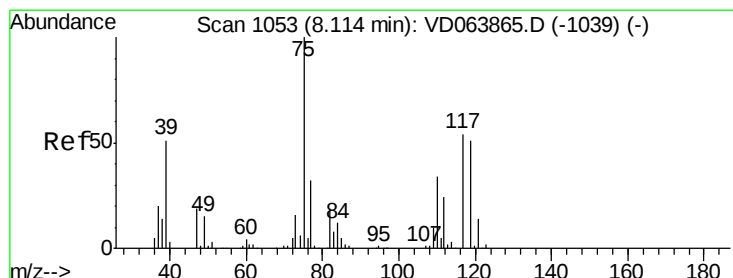
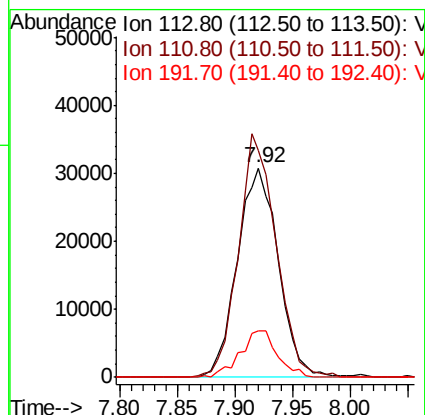
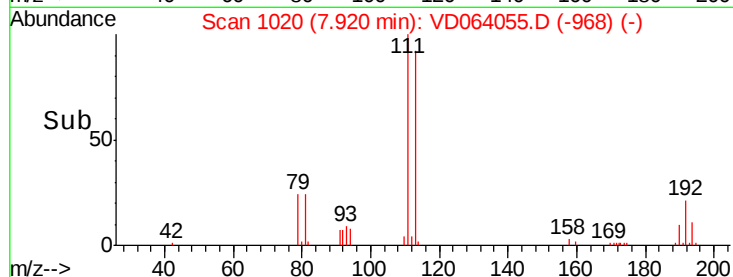
#35
 Dibromofluoromethane
 Concen: 49.981 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064055.D
 Acq: 24 Oct 2019 19:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 75989
 Ion Ratio Lower Upper
 113 100
 111 106.3 82.6 123.8
 192 20.3 17.1 25.7

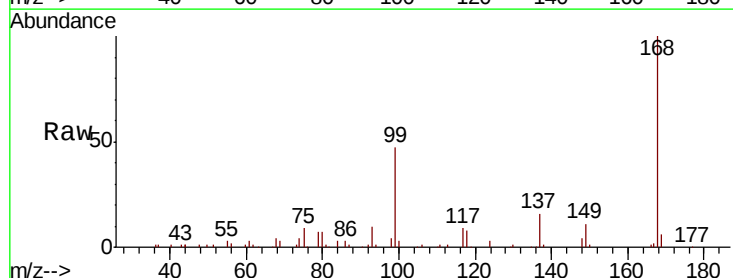


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

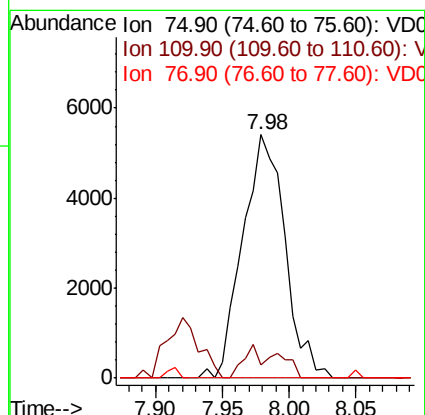
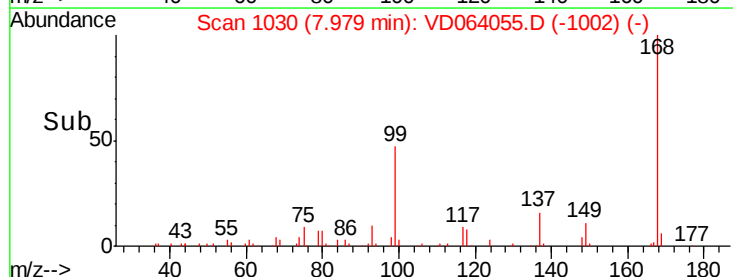


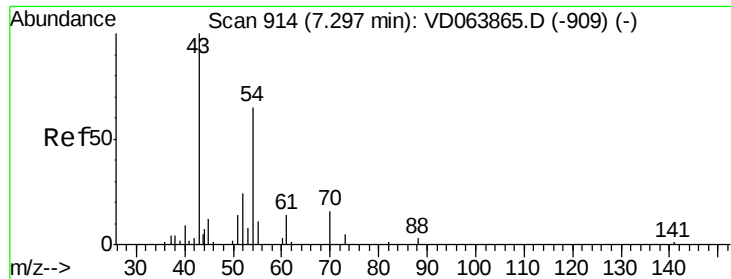
#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064055.D
 Acq: 24 Oct 2019 19:39

Tgt Ion: 75 Resp: 11860
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.4 52.3#
 77 0.0 25.4 38.0#



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

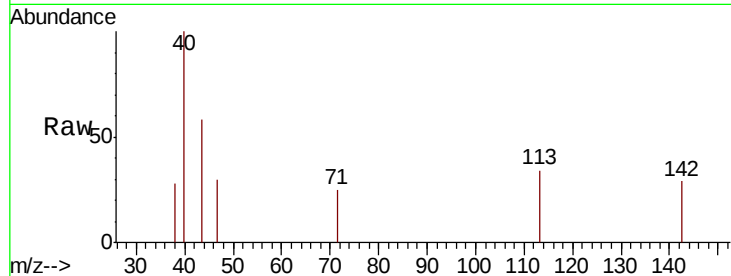




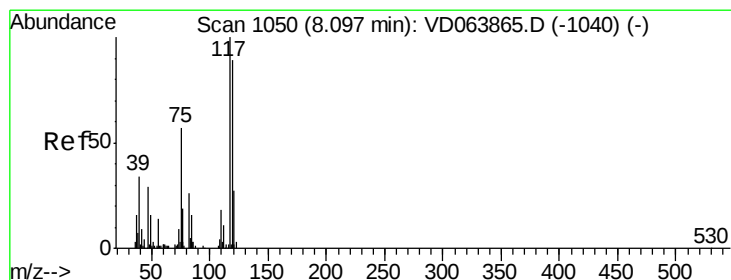
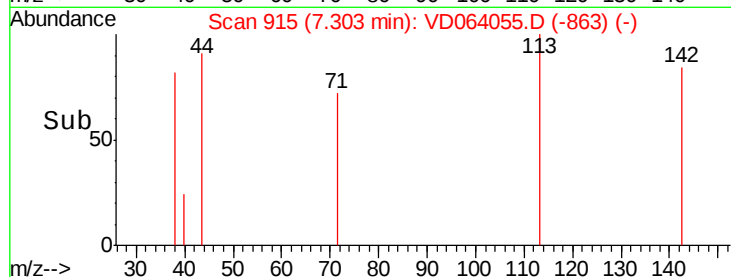
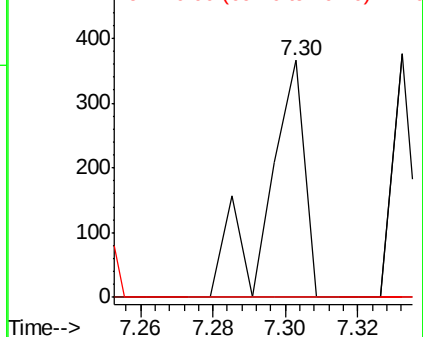
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064055.D
Acq: 24 Oct 2019 19:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

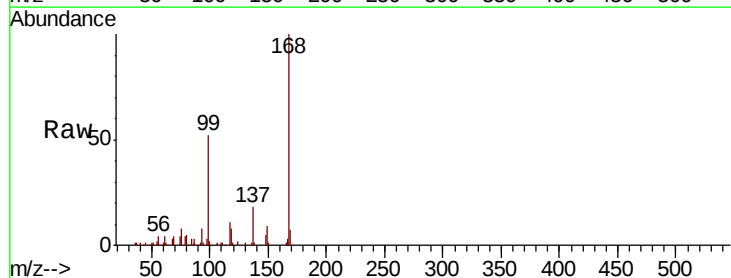


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

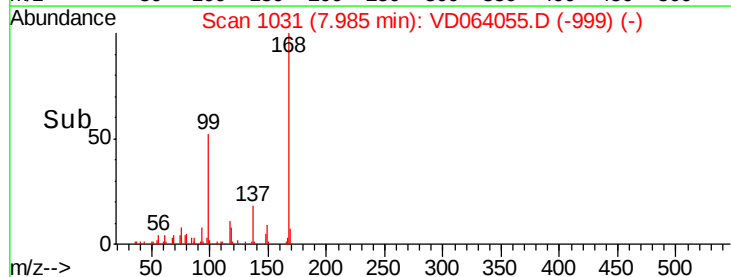
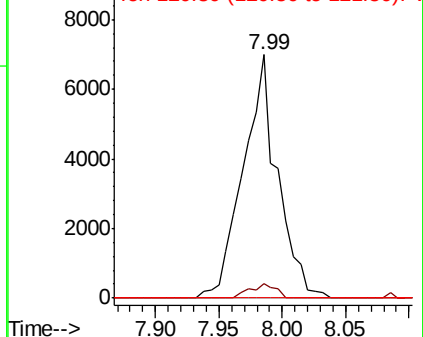


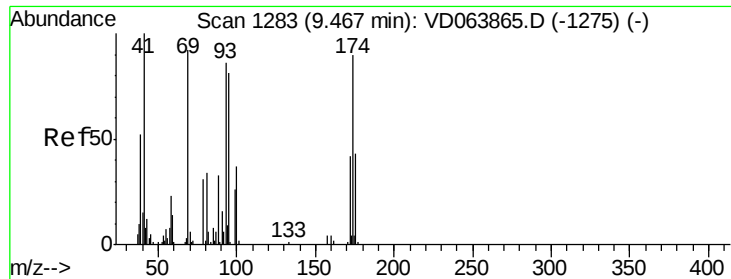
#38
Carbon Tetrachloride
Concen: 5.735 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064055.D
Acq: 24 Oct 2019 19:39

Tgt Ion: 117 Resp: 13183
Ion Ratio Lower Upper
117 100
119 6.2 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

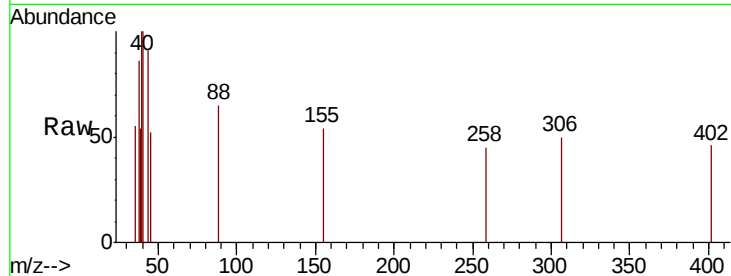




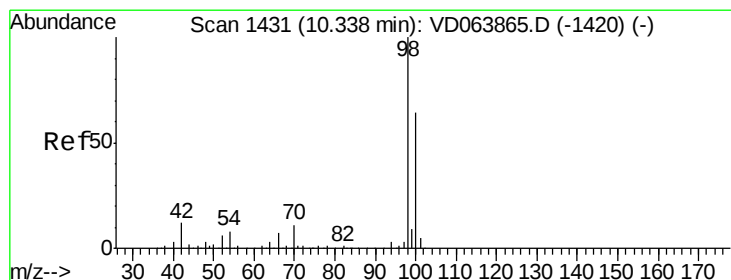
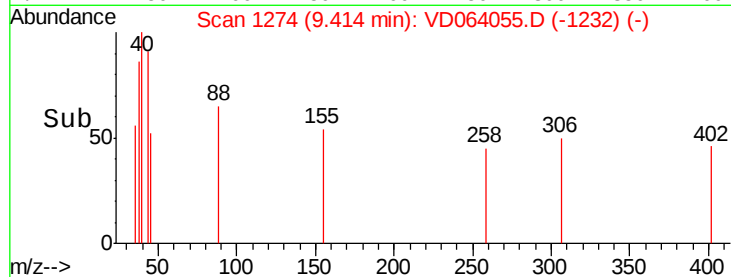
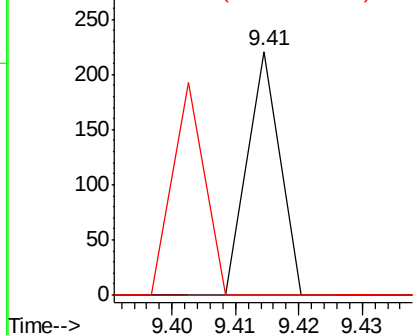
#49
 1,4-Dioxane
 Concen: 6.289 ug/l
 RT: 9.41 min Scan# 1274
 Delta R.T. -0.05 min
 Lab File: VD064055.D
 Acq: 24 Oct 2019 19:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 78
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.6 41.4#
 58 87.2 54.1 81.1#

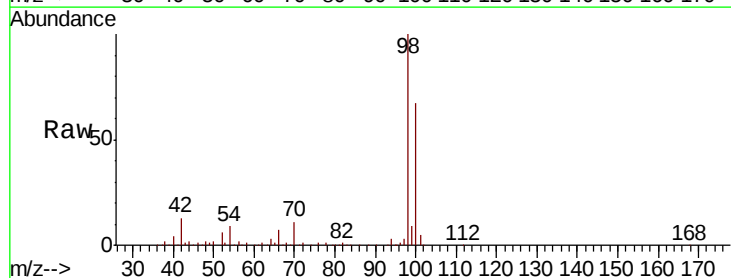


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

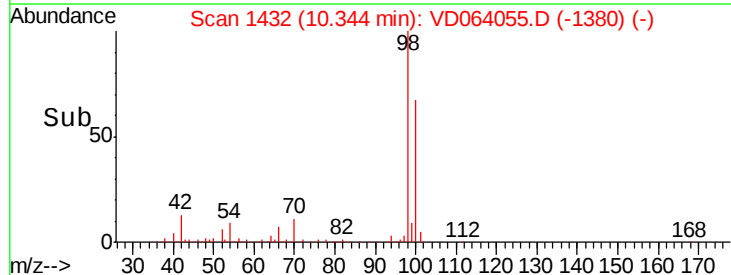
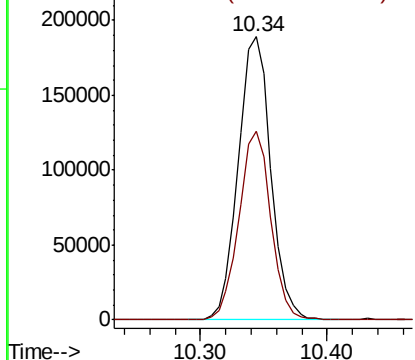


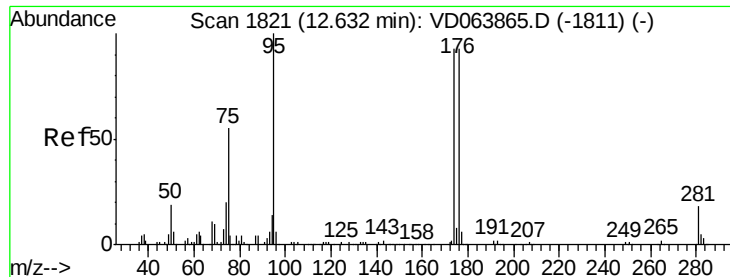
#50
 Toluene-d8
 Concen: 54.777 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064055.D
 Acq: 24 Oct 2019 19:39

Tgt Ion: 98 Resp: 338023
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC

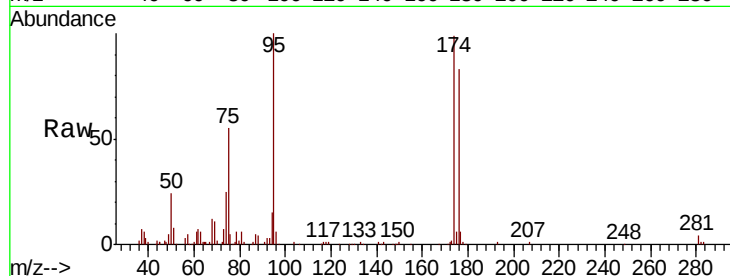




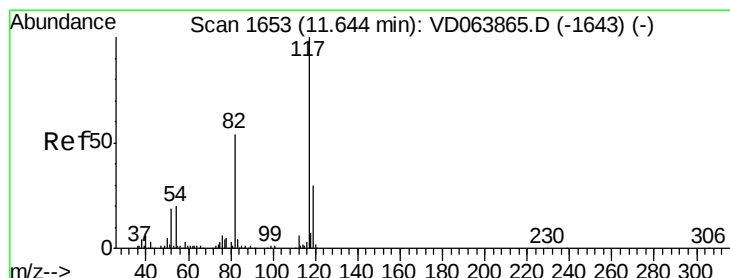
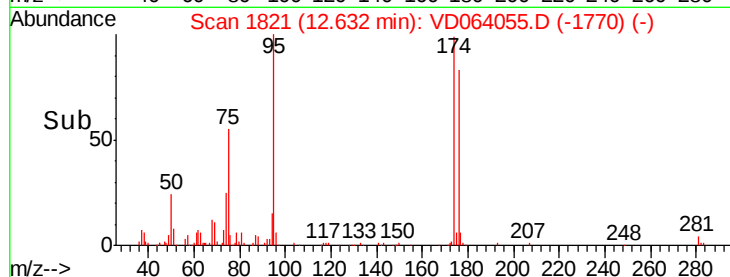
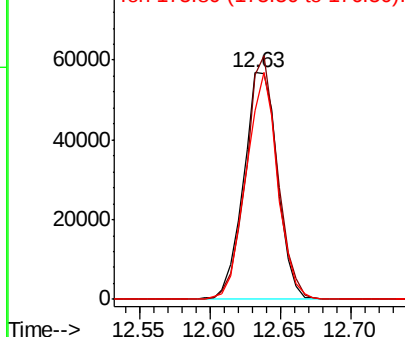
#62
4-Bromofluorobenzene
Concen: 44.482 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD064055.D
Acq: 24 Oct 2019 19:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	95	Resp	95387
Ion Ratio	Lower	Upper	
95	100		
174	100.3	0.0	186.4
176	93.3	0.0	184.2

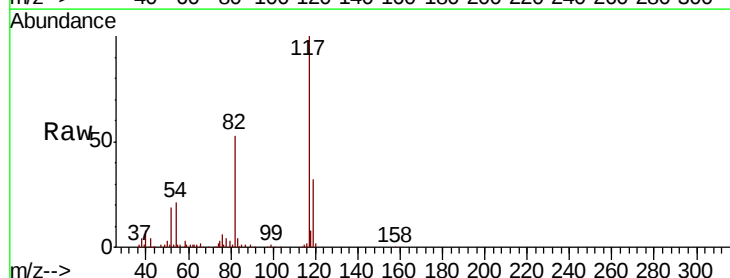


Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

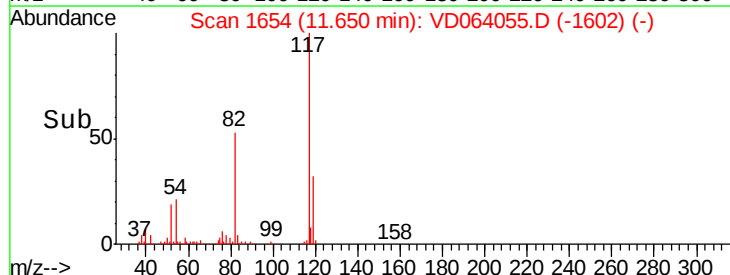
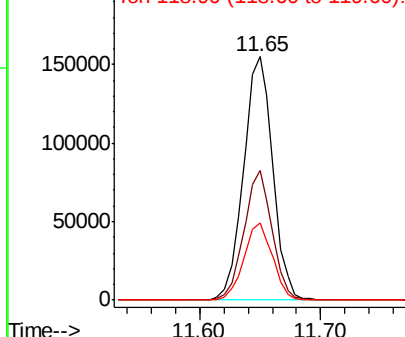


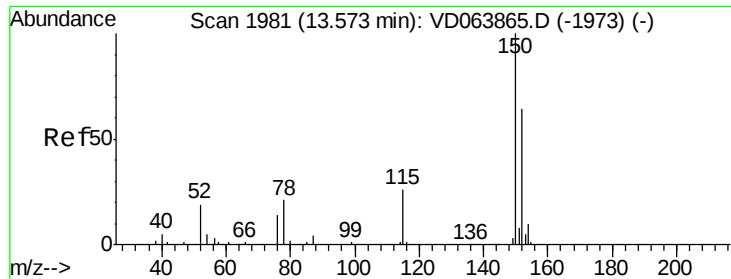
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064055.D
Acq: 24 Oct 2019 19:39

Tgt Ion	117	Resp	261974
Ion Ratio	Lower	Upper	
117	100		
82	53.4	42.8	64.2
119	31.5	24.4	36.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

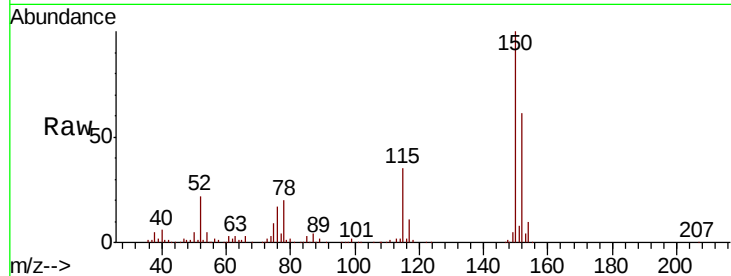
Tot Ion:152 Resp: 111772

Ion Ratio Lower Upper

152 100

115 55.8 25.9 77.7

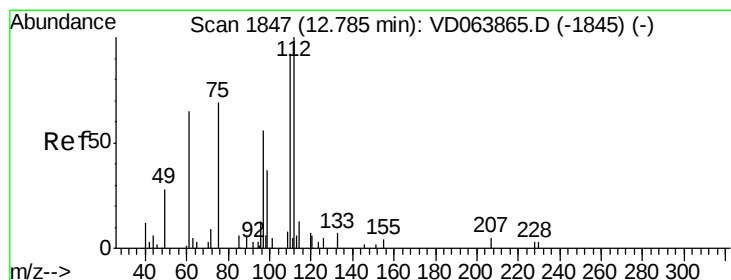
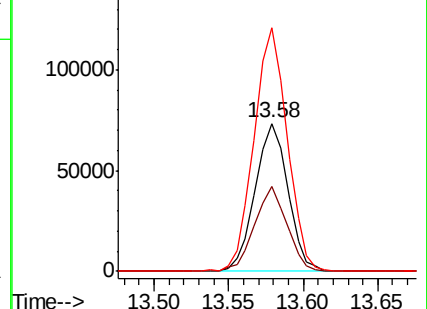
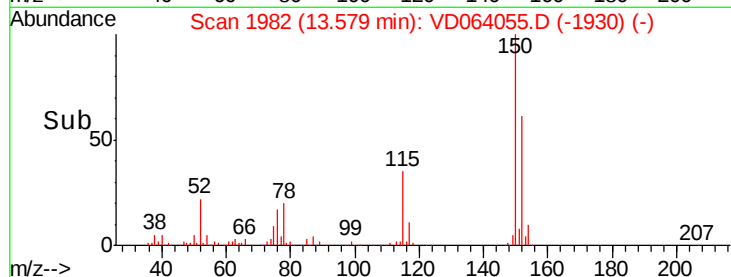
150 165.7 0.0 344.2



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: 74.089 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064055.D

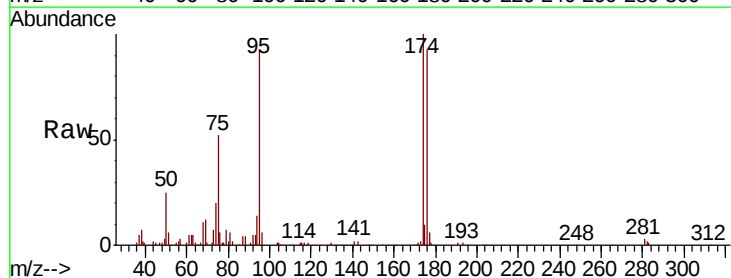
Acq: 24 Oct 2019 19:39

Tgt Ion: 75 Resp: 55464

Ion Ratio Lower Upper

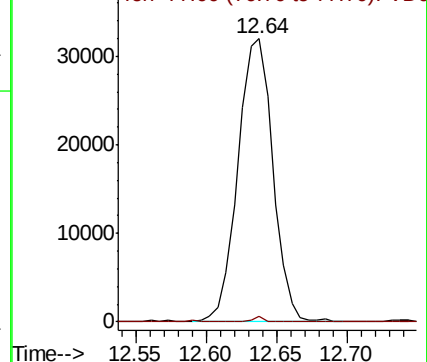
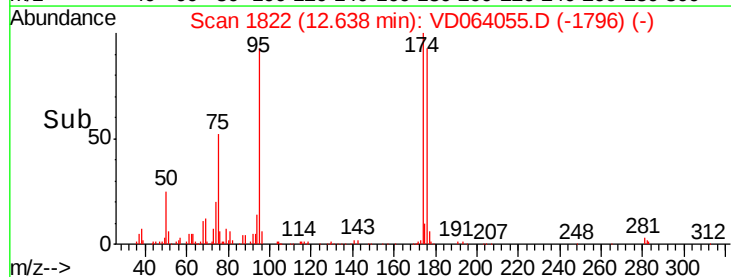
75 100

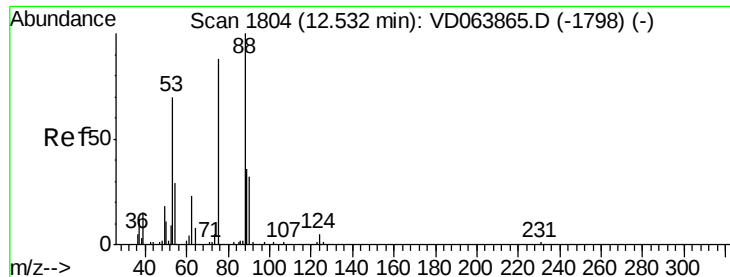
77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.107 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

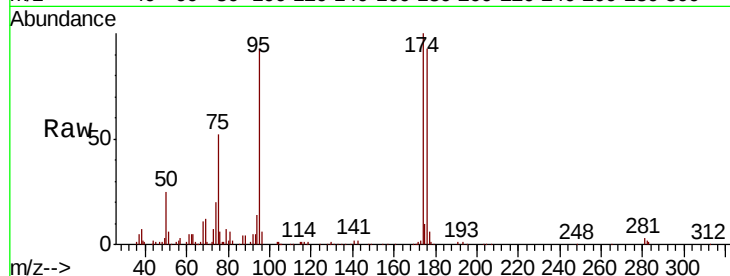
Tot Ion: 75 Resp: 55464

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

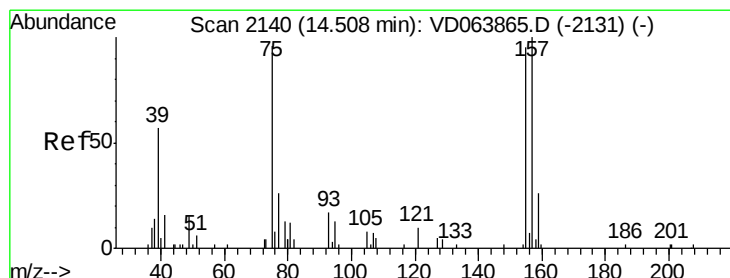
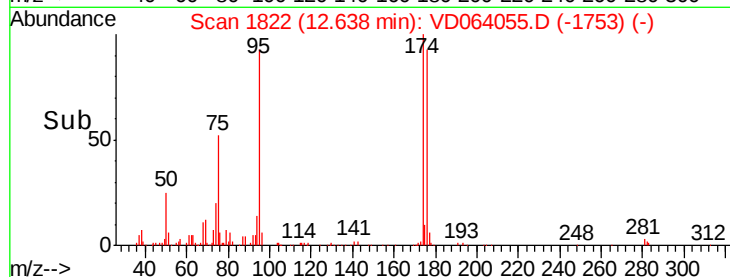
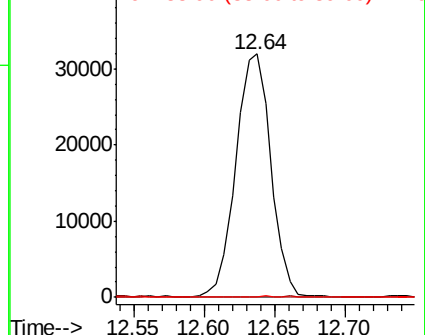
89 0.1 38.2 57.4#



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: 14.57 min Scan# 2151

Delta R.T. 0.06 min

Lab File: VD064055.D

Acq: 24 Oct 2019 19:39

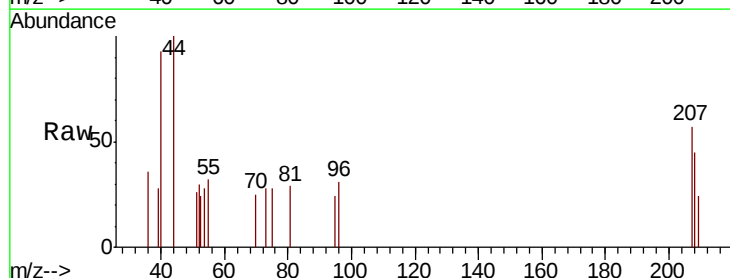
Tgt Ion: 75 Resp: 65

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

