

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064074.D
 Acq On : 25 Oct 2019 19:23
 Operator : VA/SY
 Sample : K5541-14
 Misc : 4.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:06:46 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	144084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	253100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121997	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	74453	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	7.92	113	77486	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.34	98	339210	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	97444	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

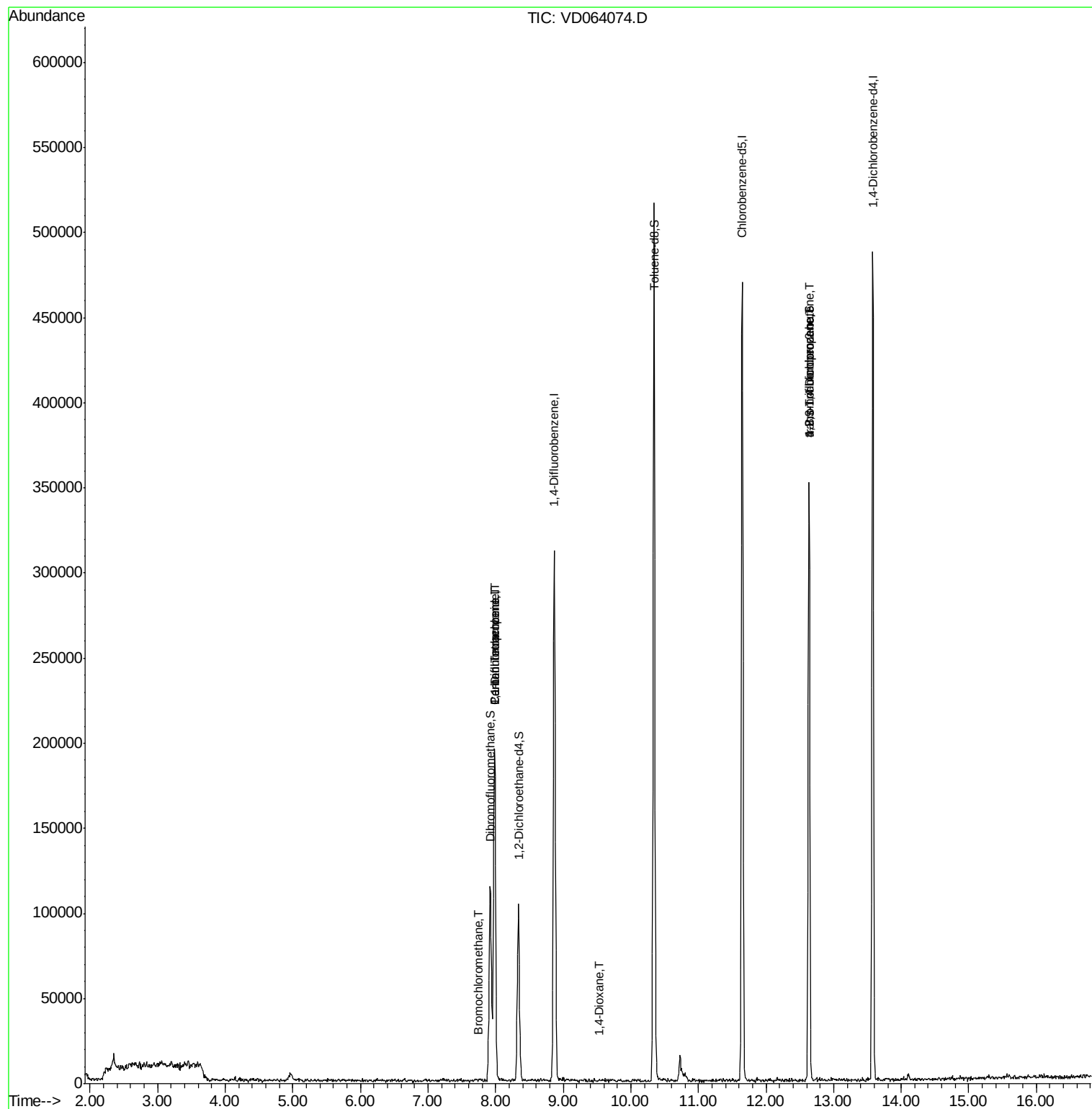
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	99	Below Cal	#	40
11) Tert butyl alcohol	5.17	59	56	Below Cal	#	71
20) Methylene Chloride	4.96	84	1448	Below Cal	#	60
28) Bromochloromethane	7.74	49	69	1.933	ug/l #	10
31) Cyclohexane	7.98	56	3867	Below Cal	#	58
36) 1,1-Dichloropropene	7.99	75	11934	5.157	ug/l #	49
37) Ethyl Acetate	7.24	43	72	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	14306	6.117	ug/l #	25
49) 1,4-Dioxane	9.53	88	56	4.438	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	57438	70.295	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	57438	124.394	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.43	75	120	Below Cal	#	1

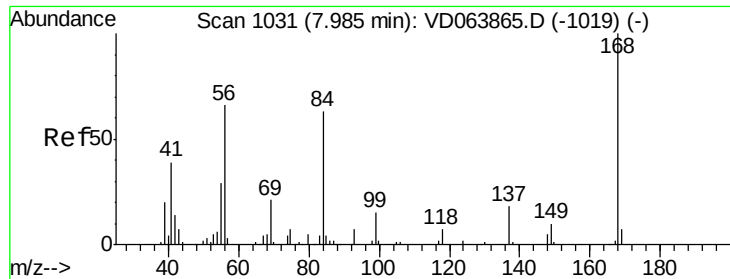
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
Data File : VD064074.D
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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# 1030

Delta R.T. -0.01 min

Lab File: VD064074.D

Acq: 25 Oct 2019 19:23

Instrument :

MSVOA_D

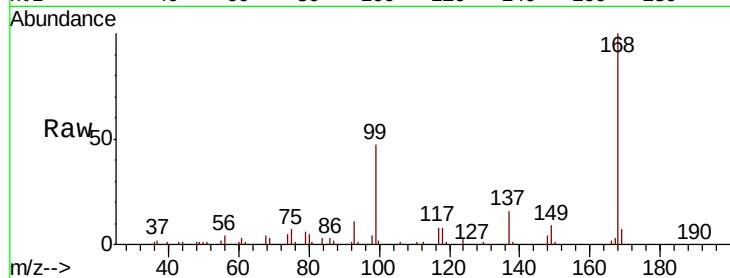
ClientSampleId :

Tot Ion:168 Resp: 144084

Ion Ratio Lower Upper

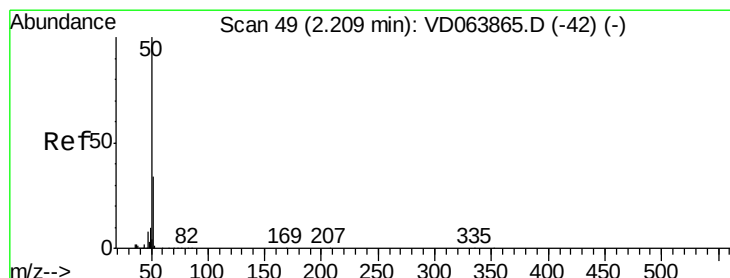
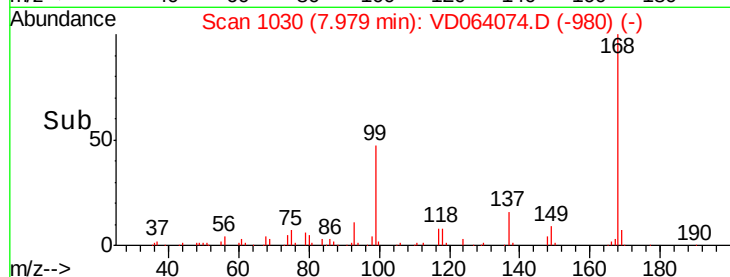
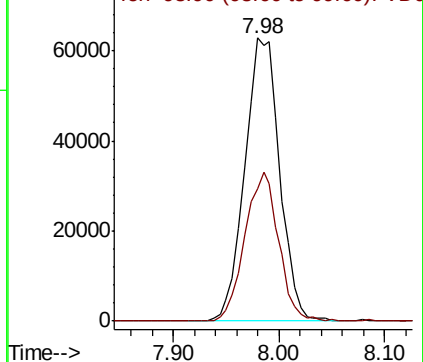
168 100

99 46.8 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: VD064074.D

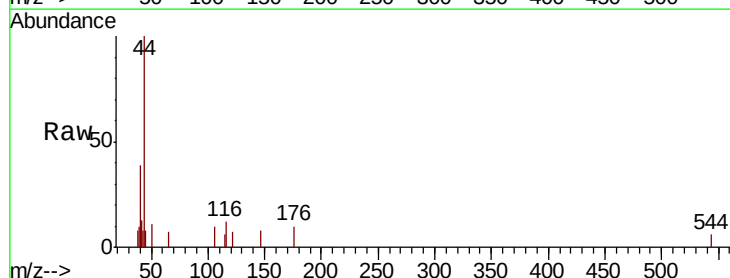
Acq: 25 Oct 2019 19:23

Tgt Ion: 50 Resp: 99

Ion Ratio Lower Upper

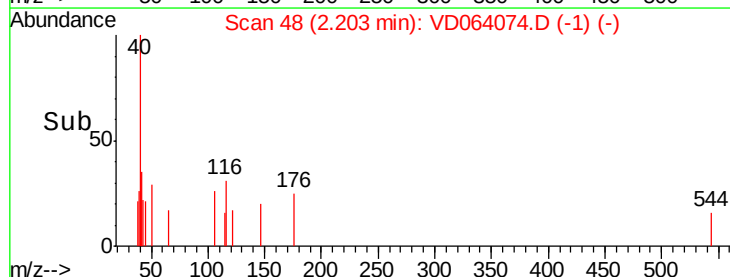
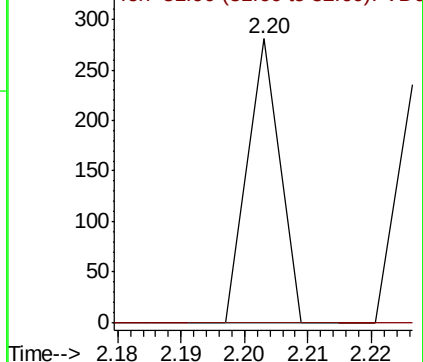
50 100

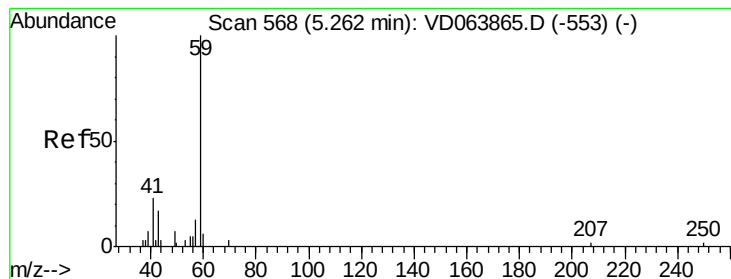
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



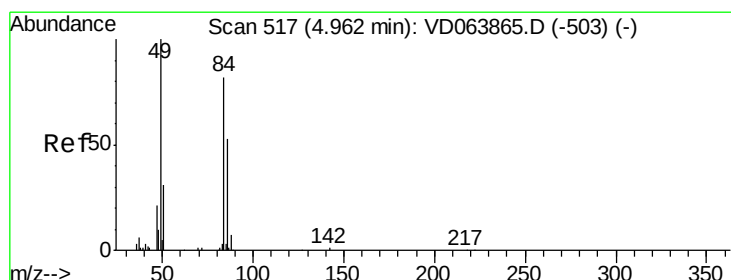
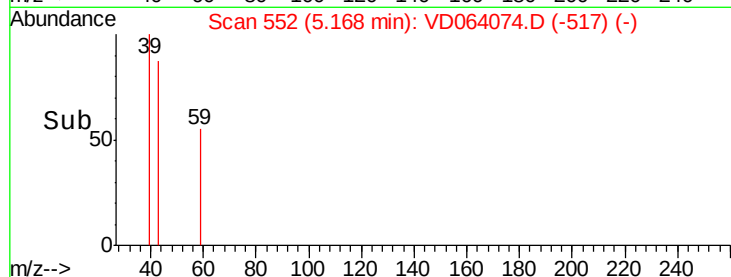
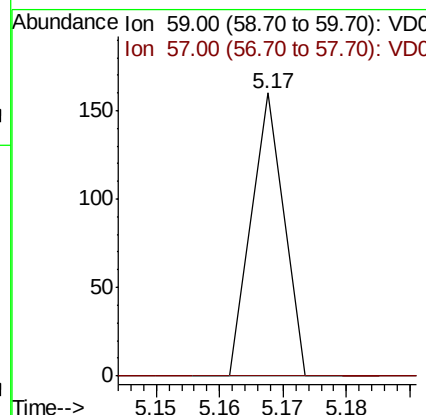
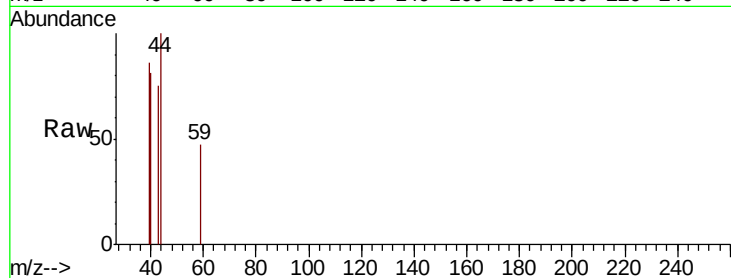


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 552
Delta R.T. -0.09 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Instrument :
MSVOA_D
ClientSampleId :

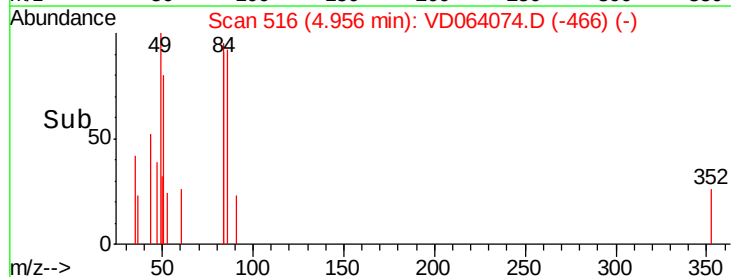
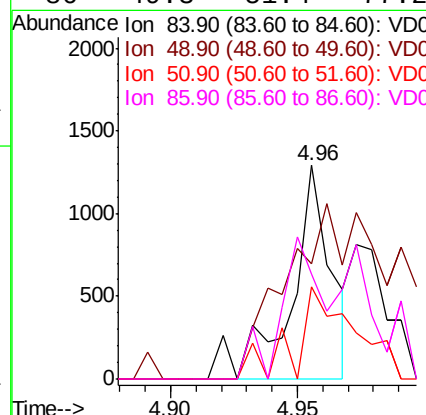
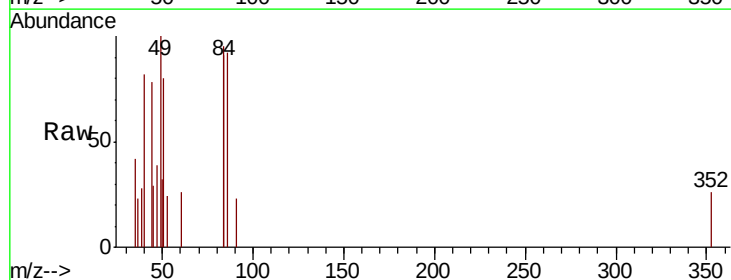
Tot Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

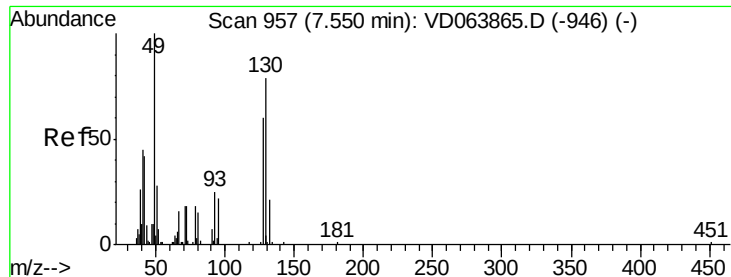


#20

Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Tgt Ion: 84 Resp: 1448
Ion Ratio Lower Upper
84 100
49 53.8 97.3 145.9#
51 43.0 30.1 45.1
86 49.3 51.4 77.2#

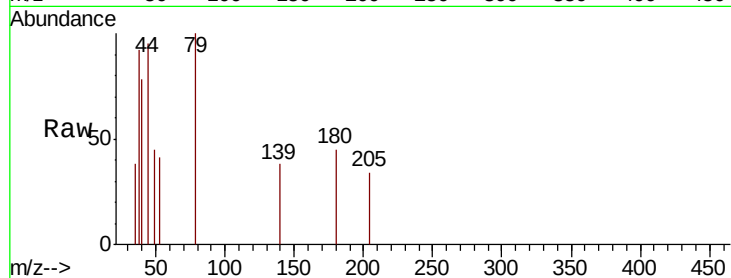




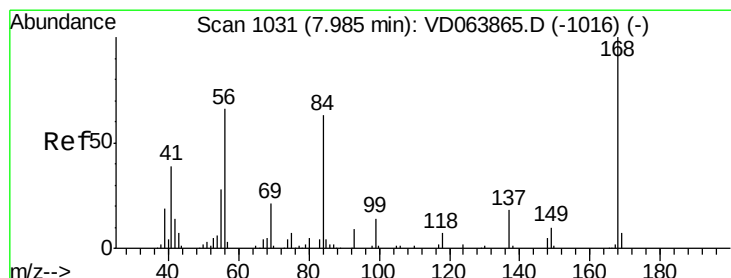
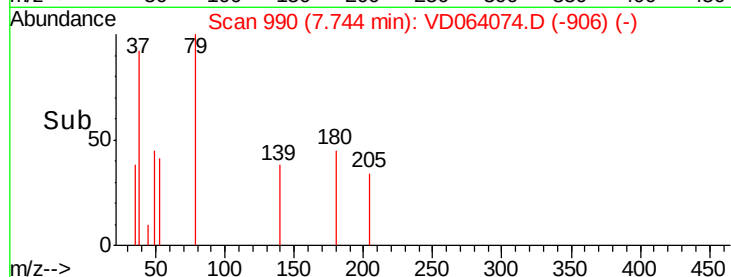
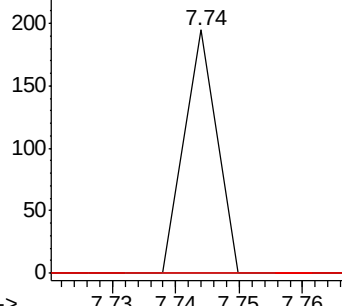
#28
Bromochloromethane
Concen: 1.933 ug/l
RT: 7.74 min Scan# 990
Delta R.T. 0.19 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 49 Resp: 69
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

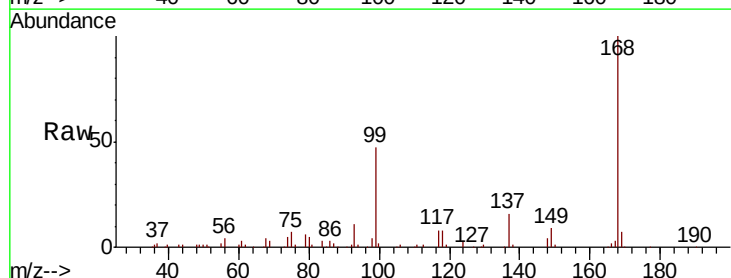


Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

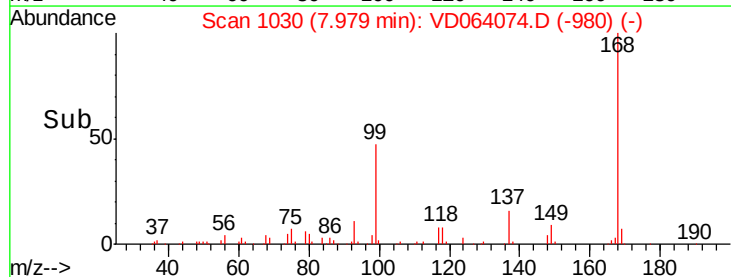
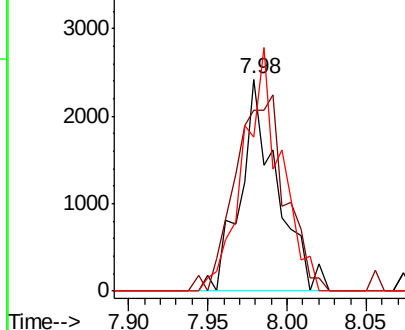


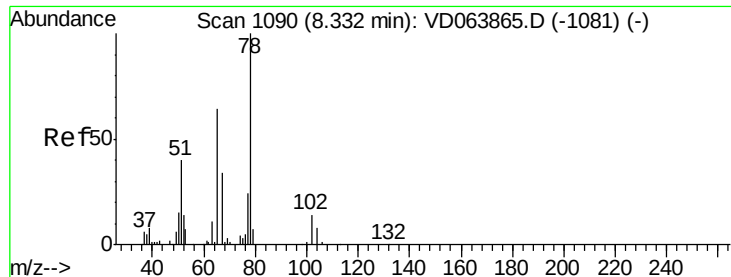
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Tgt Ion: 56 Resp: 3867
Ion Ratio Lower Upper
56 100
69 85.2 25.0 37.4#
84 72.7 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

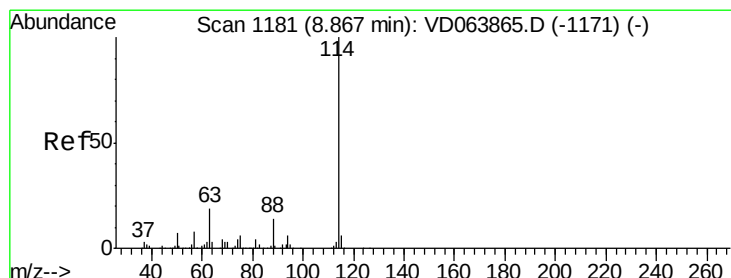
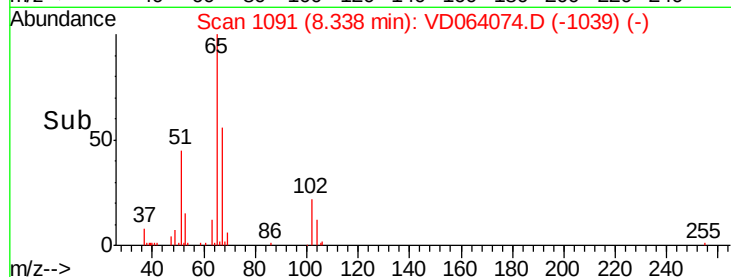
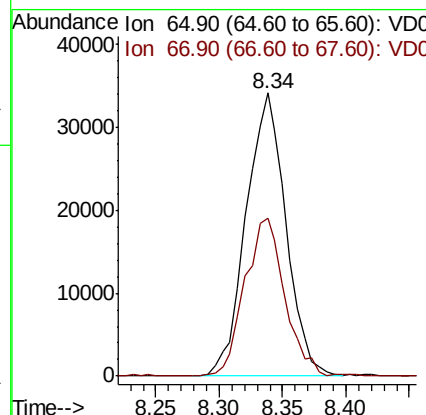
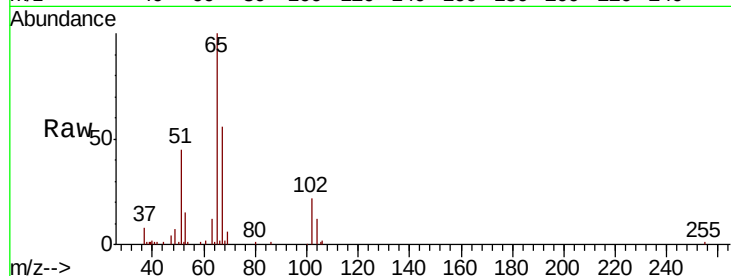




#33
 1,2-Dichloroethane-d4
 Concen: 53.076 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064074.D
 Acq: 25 Oct 2019 19:23

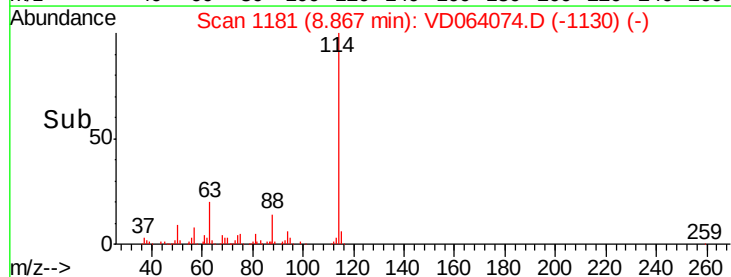
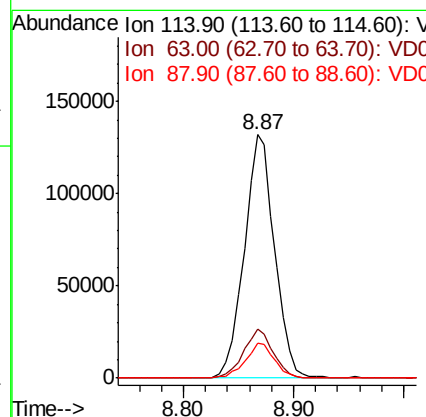
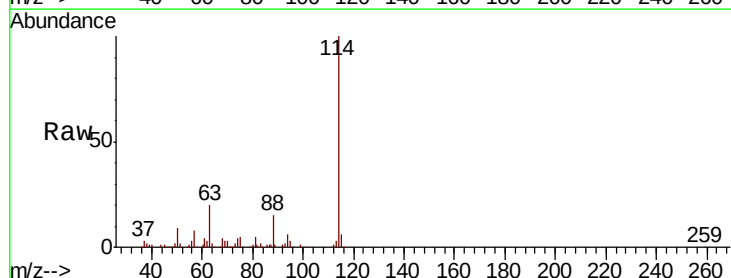
Instrument :
 MSVOA_D
 ClientSampleId :

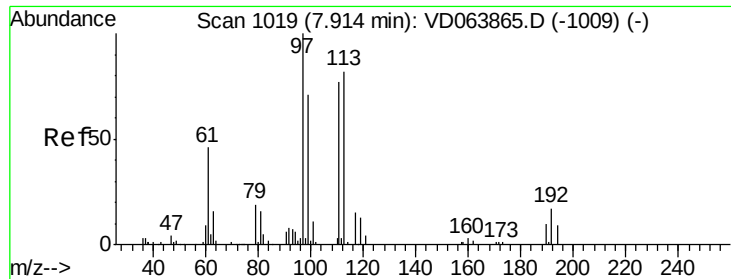
Tot Ion: 65 Resp: 74453
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064074.D
 Acq: 25 Oct 2019 19:23

Tgt Ion: 114 Resp: 253100
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.4
 88 14.6 0.0 27.4

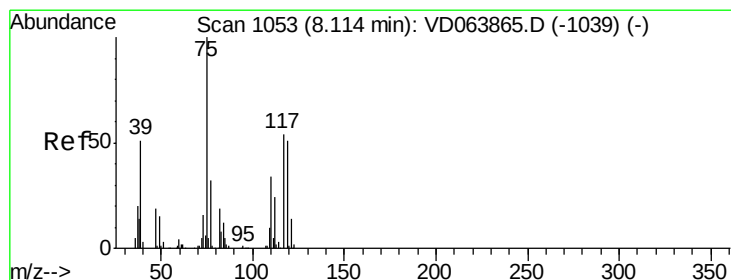
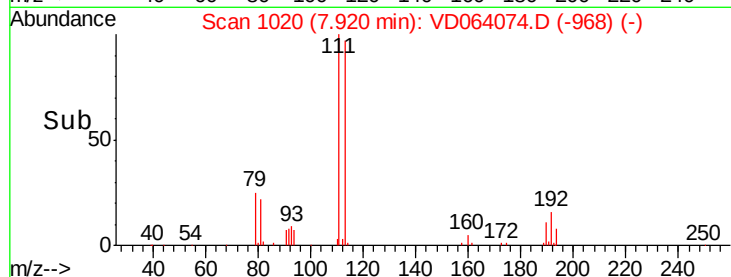
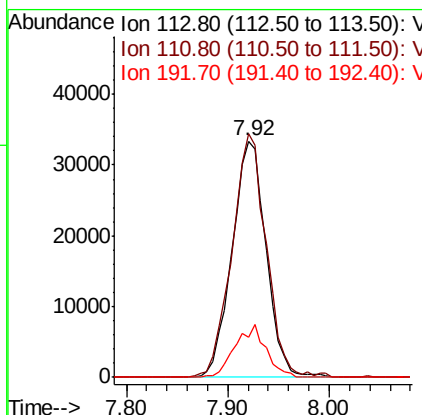
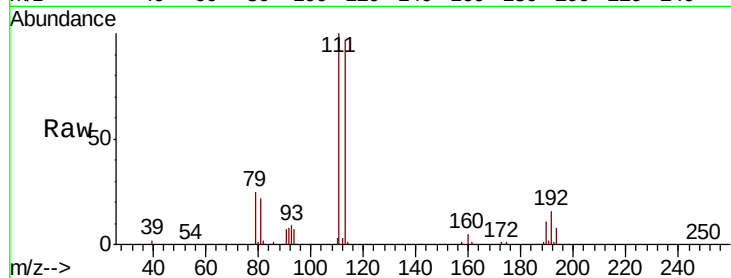




#35
 Dibromofluoromethane
 Concen: 50.095 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064074.D
 Acq: 25 Oct 2019 19:23

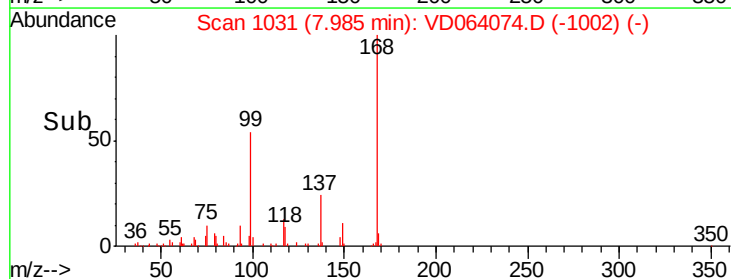
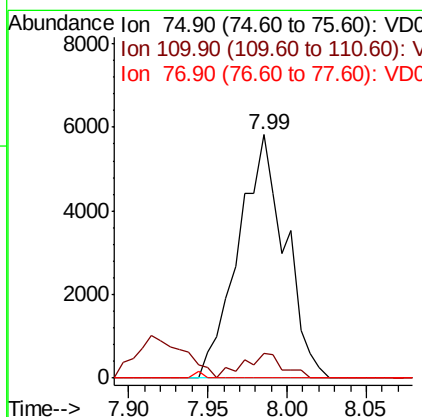
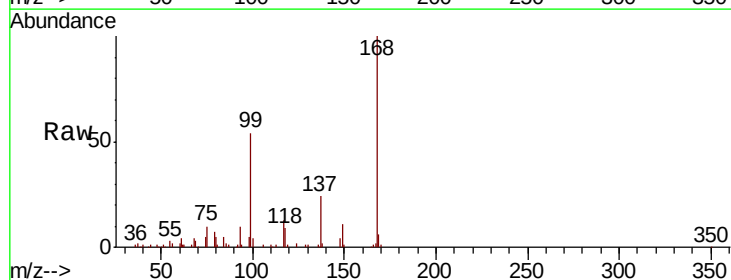
Instrument :
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 ClientSampled :

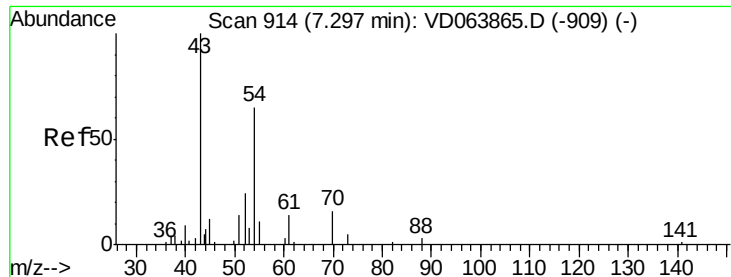
Tot Ion:113 Resp: 77486
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.6 123.8
 192 20.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.157 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064074.D
 Acq: 25 Oct 2019 19:23

Tgt Ion: 75 Resp: 11934
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.3#
 77 0.0 25.4 38.0#

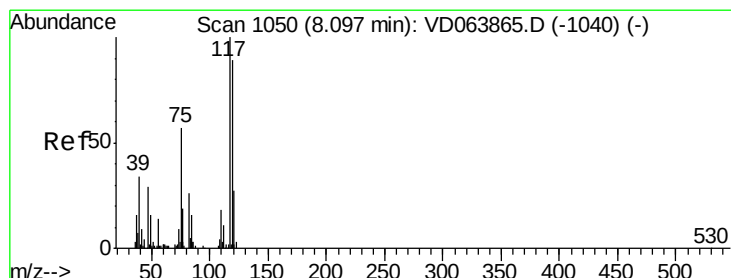
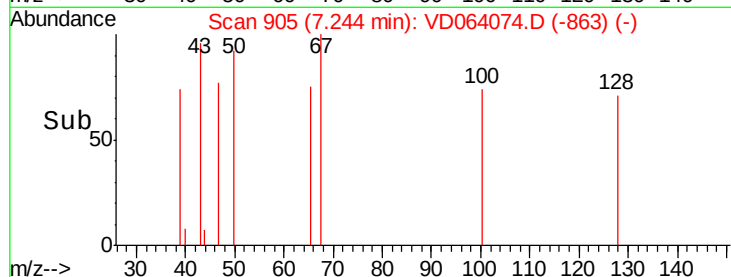
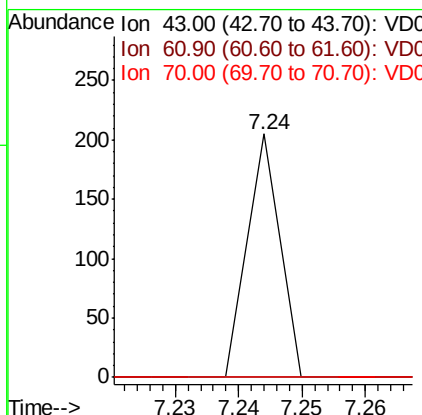
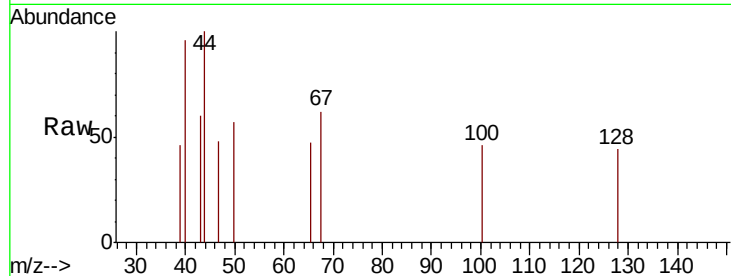




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.24 min Scan# 905
Delta R.T. -0.05 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

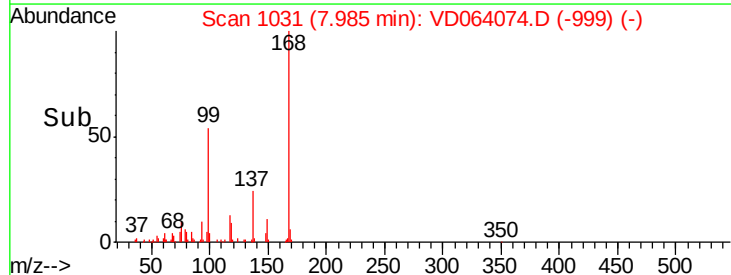
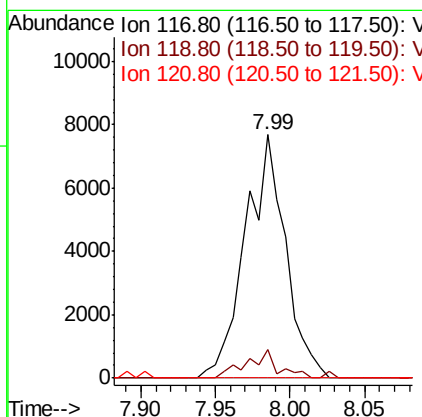
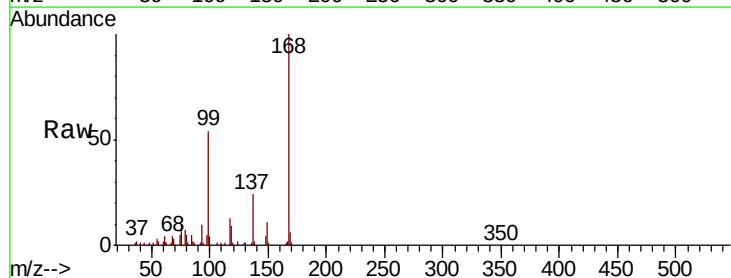
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MSVOA_D
ClientSampleID :

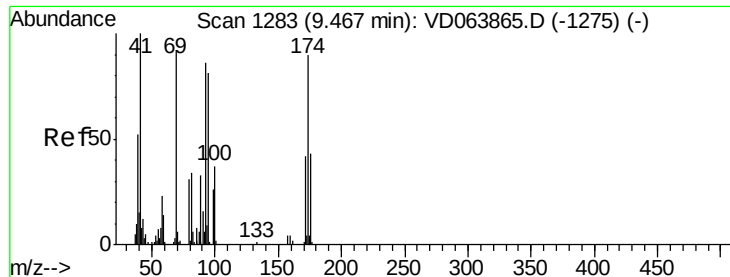
Tot Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Tgt Ion: 117 Resp: 14306
Ion Ratio Lower Upper
117 100
119 11.5 70.8 106.2#
121 0.0 21.4 32.0#

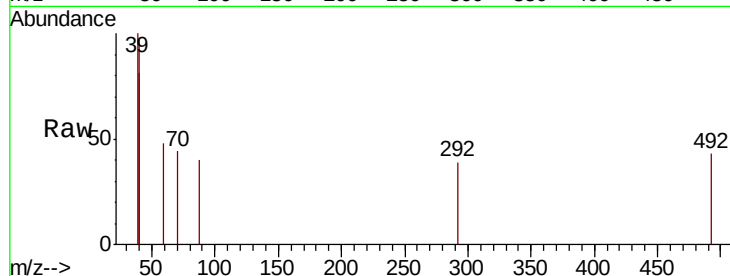




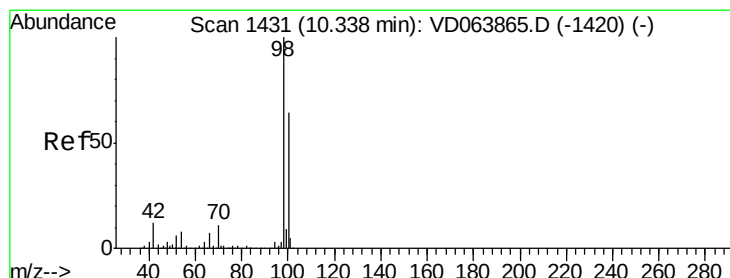
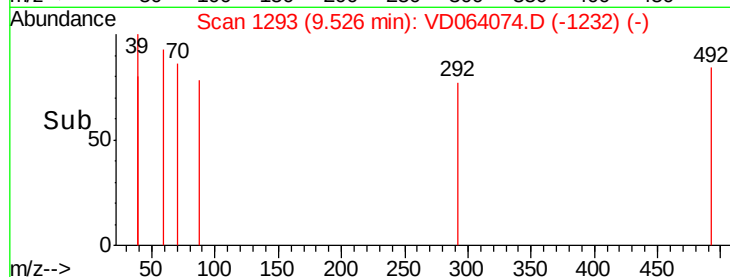
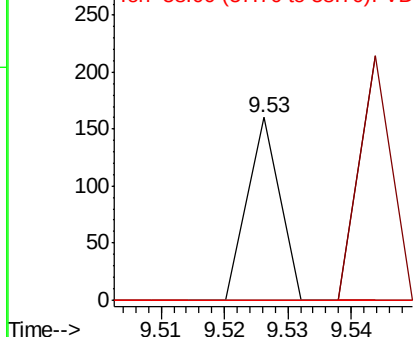
#49
 1,4-Dioxane
 Concen: 4.438 ug/l
 RT: 9.53 min Scan# 1293
 Delta R.T. 0.06 min
 Lab File: VD064074.D
 Acq: 25 Oct 2019 19:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 56
 Ion Ratio Lower Upper
 88 100
 43 135.7 27.6 41.4#
 58 0.0 54.1 81.1#

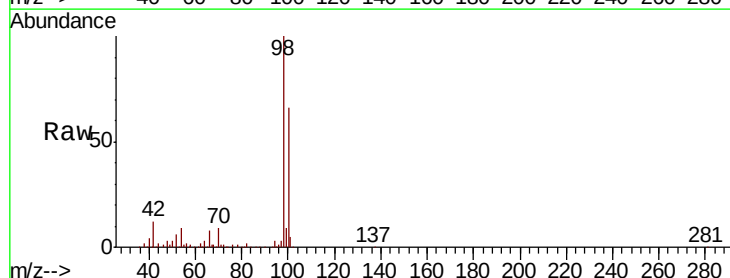


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

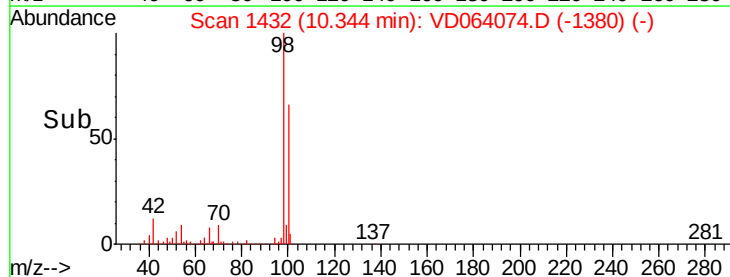
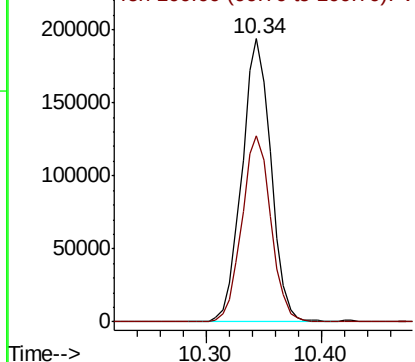


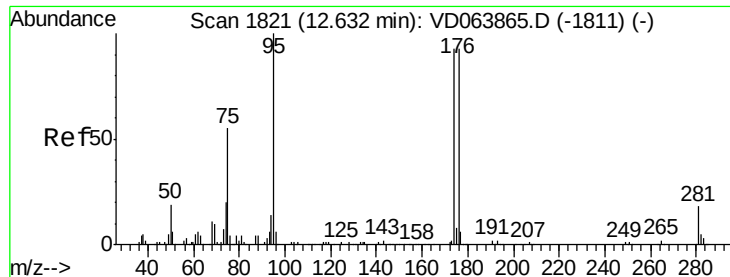
#50
 Toluene-d8
 Concen: 54.031 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064074.D
 Acq: 25 Oct 2019 19:23

Tgt Ion: 98 Resp: 339210
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.1 78.1



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

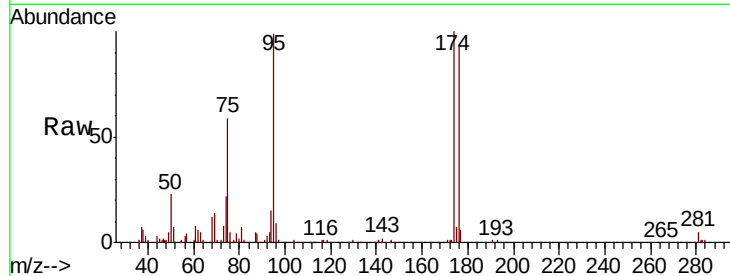




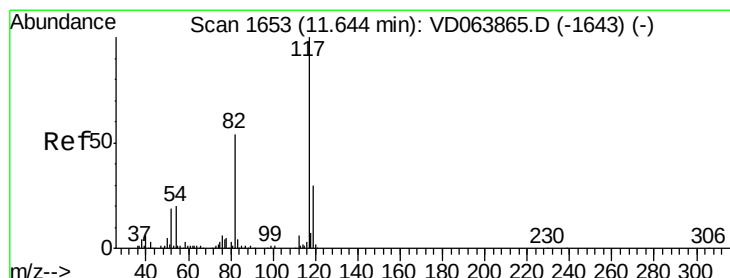
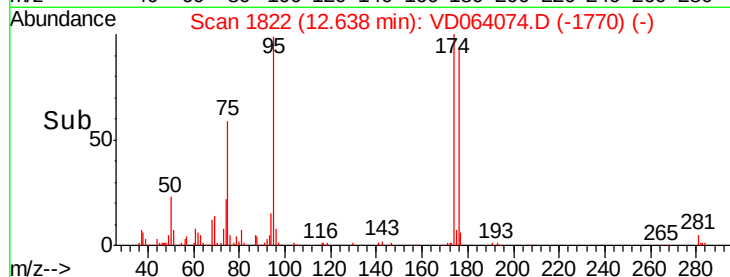
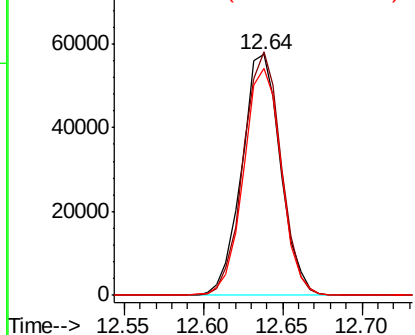
#62
4-Bromofluorobenzene
Concen: 44.665 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 97444
Ion Ratio Lower Upper
95 100
174 98.3 0.0 186.4
176 92.1 0.0 184.2

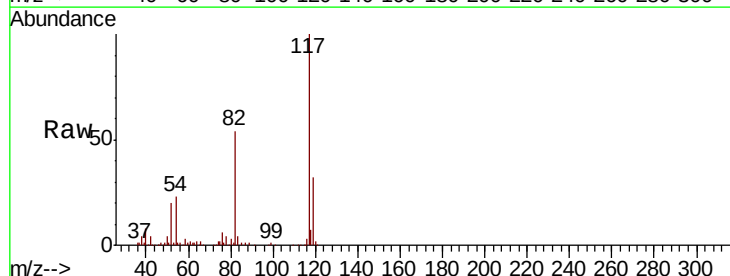


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

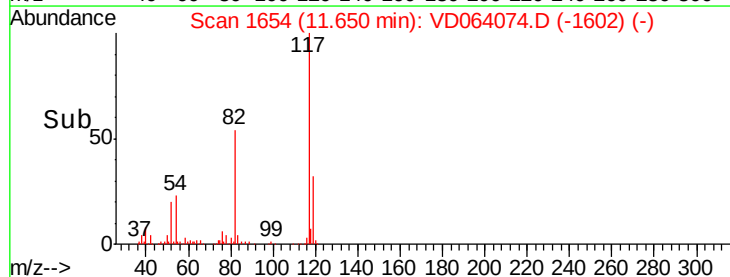
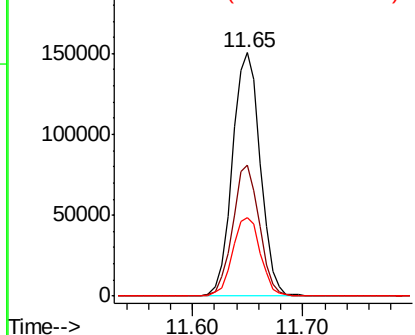


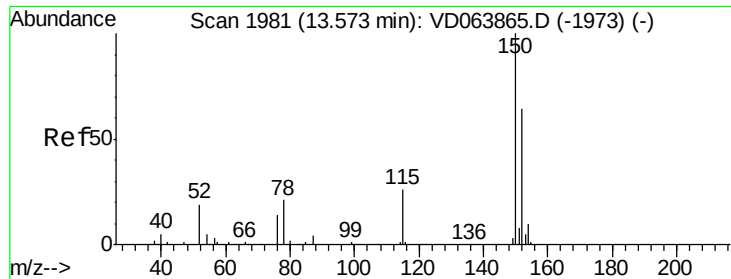
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064074.D
Acq: 25 Oct 2019 19:23

Tgt Ion: 117 Resp: 266607
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.1 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: VD064074.D

Acq: 25 Oct 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

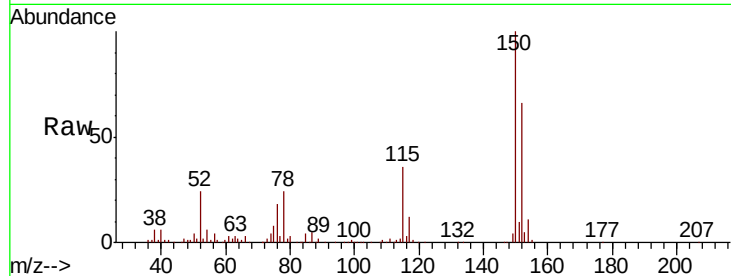
Tot Ion:152 Resp: 121997

Ion Ratio Lower Upper

152 100

115 53.1 25.9 77.7

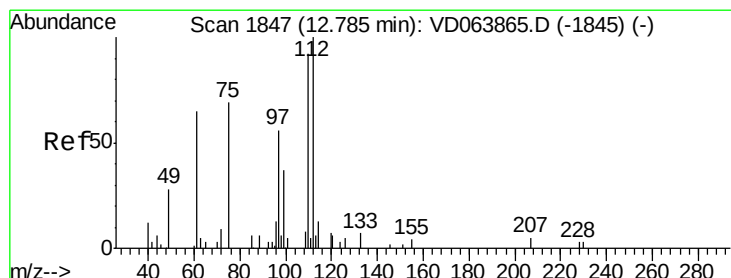
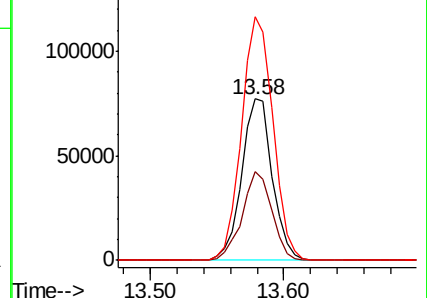
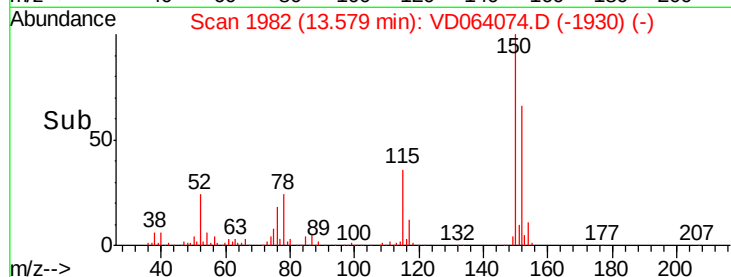
150 155.0 0.0 344.2



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: 70.295 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064074.D

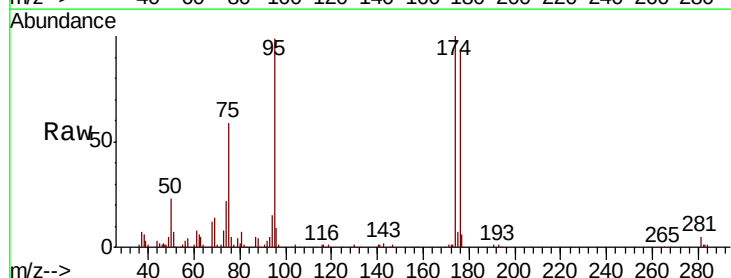
Acq: 25 Oct 2019 19:23

Tgt Ion: 75 Resp: 57438

Ion Ratio Lower Upper

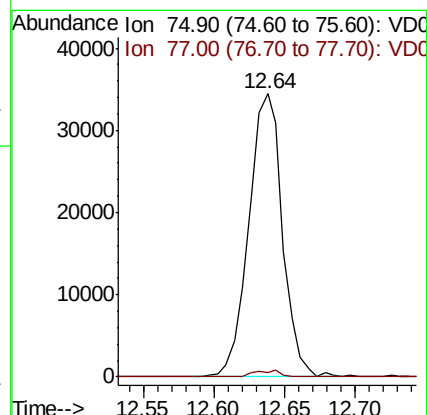
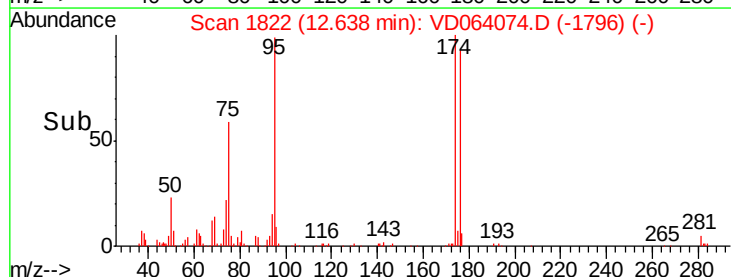
75 100

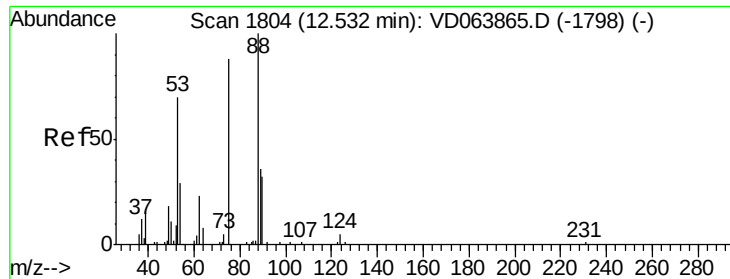
77 1.8 0.0 0.0#



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: 124.394 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064074.D

Acq: 25 Oct 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

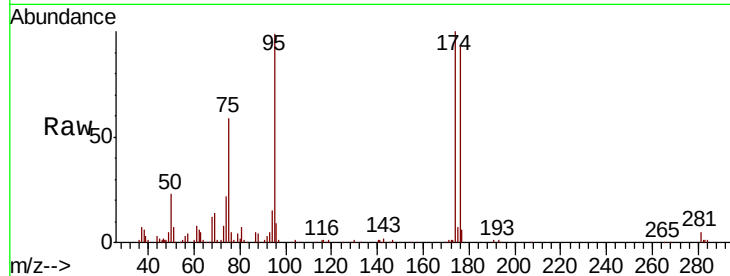
Tot Ion: 75 Resp: 57438

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

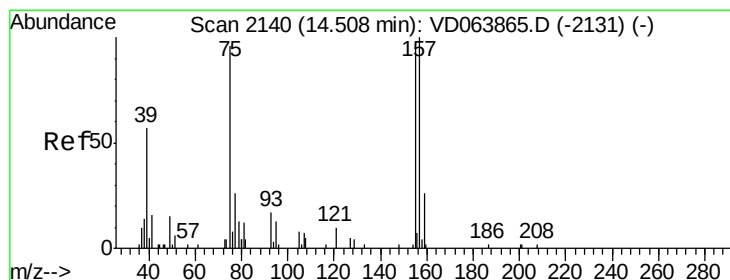
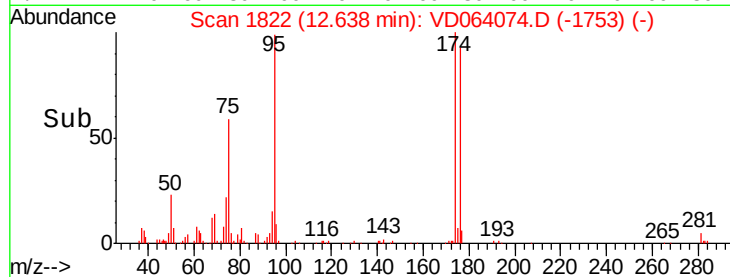
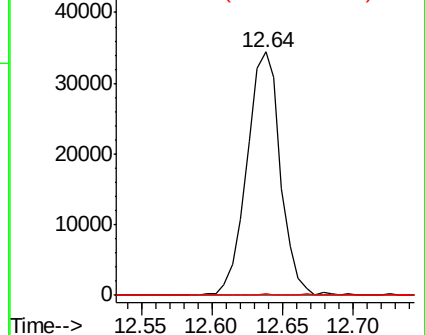
89 0.2 38.2 57.4#



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: 14.43 min Scan# 2127

Delta R.T. -0.08 min

Lab File: VD064074.D

Acq: 25 Oct 2019 19:23

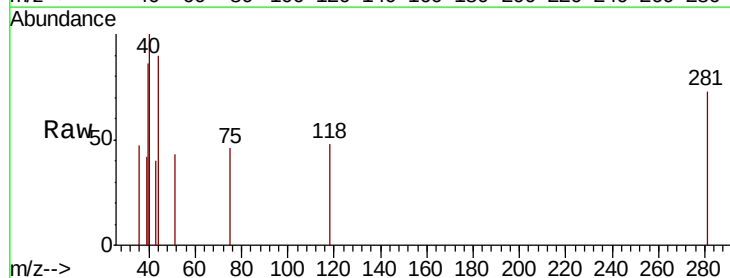
Tgt Ion: 75 Resp: 120

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

