

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063975.D
 Acq On : 15 Oct 2019 16:44
 Operator : VA/SY
 Sample : K5374-01RE
 Misc : 5.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1RE

Quant Time: Oct 16 02:16:29 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	145231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	279351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	273764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	127269	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	89554	63.34	ug/l	0.00
Spiked Amount			Recovery	=	126.68%	
35) Dibromofluoromethane	7.92	113	86944	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	10.34	98	373811	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.64	95	109390	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

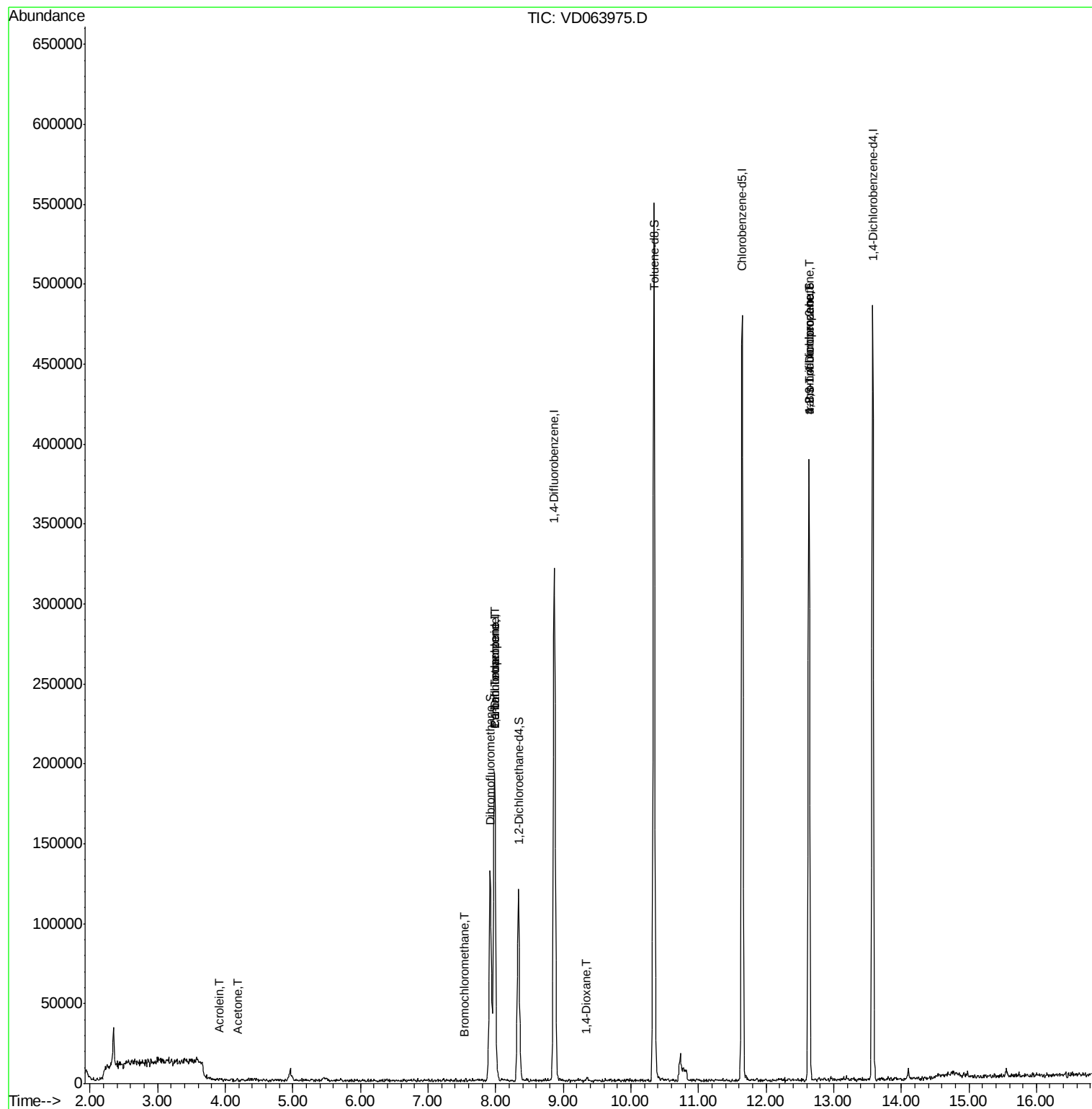
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	552	Below Cal	#	40
11) Tert butyl alcohol	5.13	59	96	Below Cal	#	1
13) Acrolein	3.92	56	186	1.473	ug/l #	17
16) Acetone	4.18	43	452	1.228	ug/l #	42
20) Methylene Chloride	4.95	84	2191	Below Cal	#	81
28) Bromochloromethane	7.54	49	124	1.987	ug/l #	7
31) Cyclohexane	7.97	56	4453	Below Cal	#	51
36) 1,1-Dichloropropene	7.98	75	11636	4.556	ug/l #	51
37) Ethyl Acetate	7.27	43	235	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14650	5.676	ug/l #	24
49) 1,4-Dioxane	9.34	88	113	8.114	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	59556	69.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	59556	123.638	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	57	Below Cal	#	1

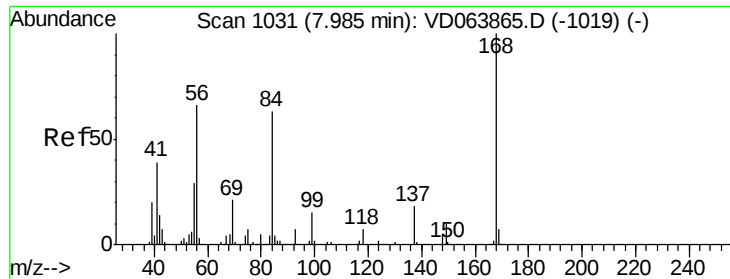
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063975.D

Acq: 15 Oct 2019 16:44

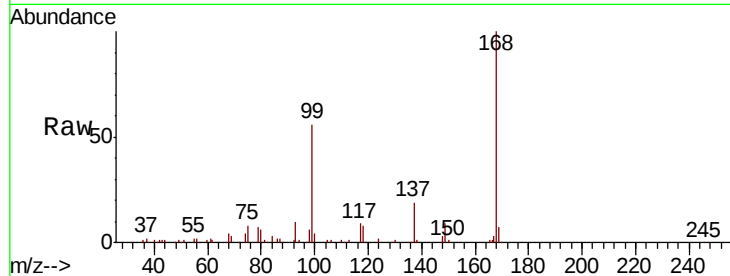
Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1RE

Tot Ion:168 Resp: 145231

Ion Ratio Lower Upper

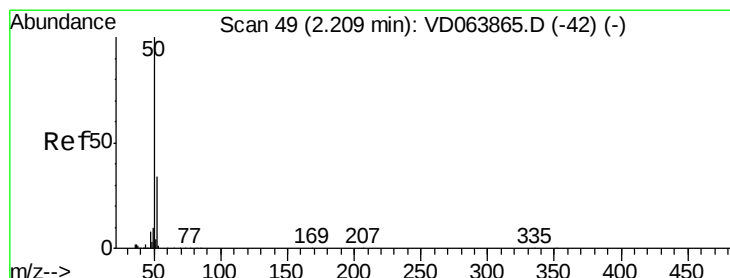
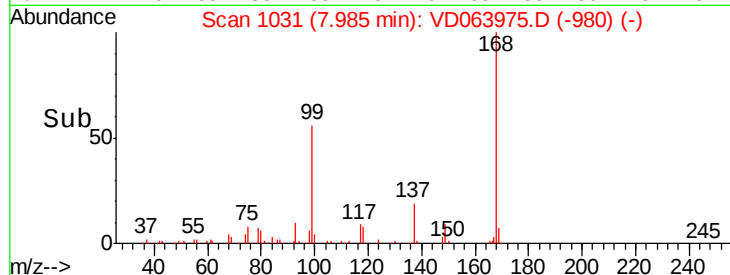
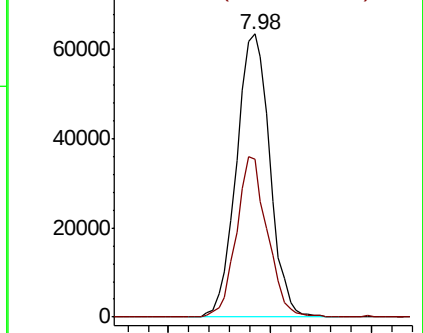
168 100

99 55.8 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: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063975.D

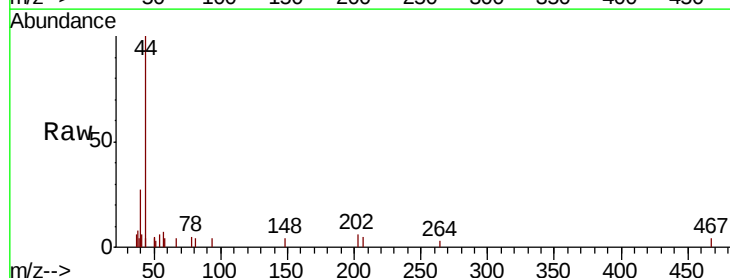
Acq: 15 Oct 2019 16:44

Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

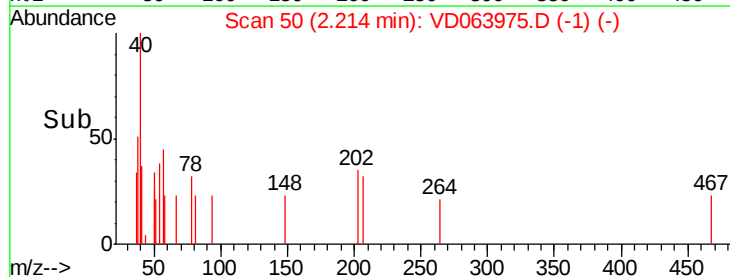
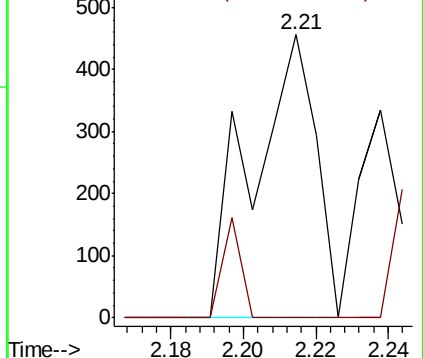
50 100

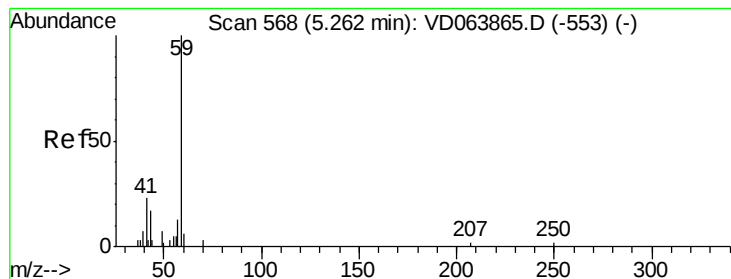
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



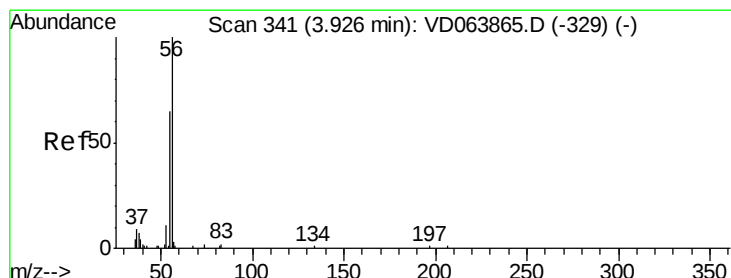
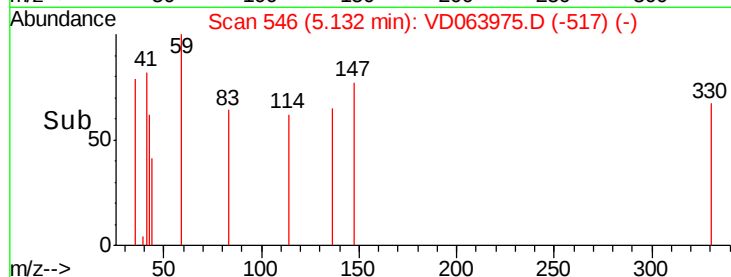
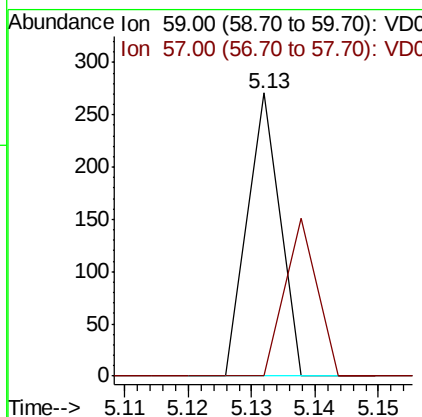
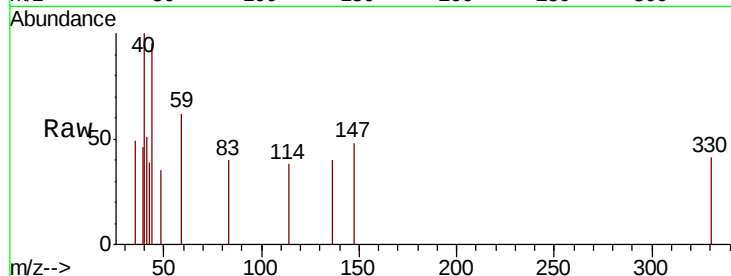


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.13 min Scan# 546
 Delta R.T. -0.13 min
 Lab File: VD063975.D
 Acq: 15 Oct 2019 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1RE

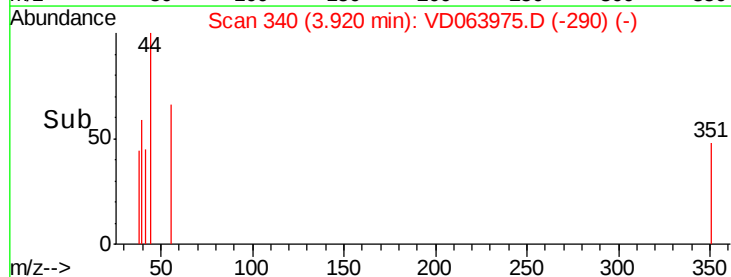
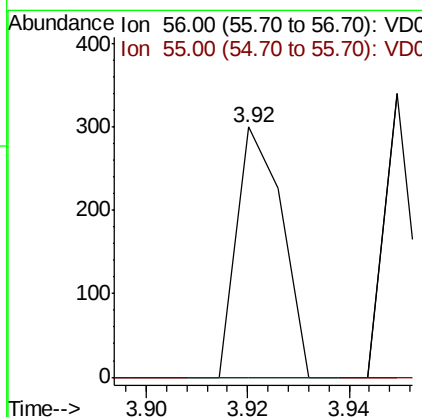
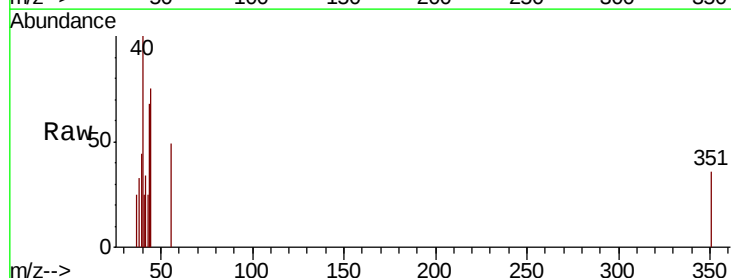
Tot Ion: 59 Resp: 96
 Ion Ratio Lower Upper
 59 100
 57 55.2 8.8 13.2#

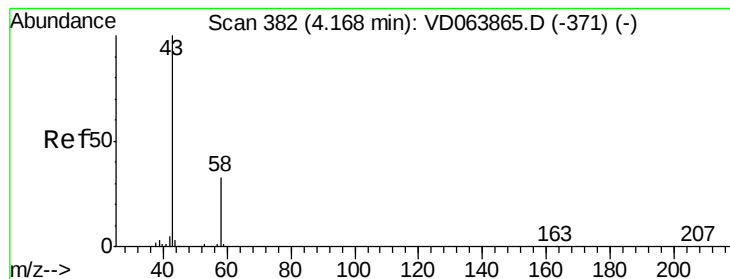


#13

Acrolein
 Concen: 1.473 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD063975.D
 Acq: 15 Oct 2019 16:44

Tgt Ion: 56 Resp: 186
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#





#16

Acetone

Concen: 1.228 ug/l

RT: 4.18 min Scan# 385

Delta R.T. 0.02 min

Lab File: VD063975.D

Acq: 15 Oct 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

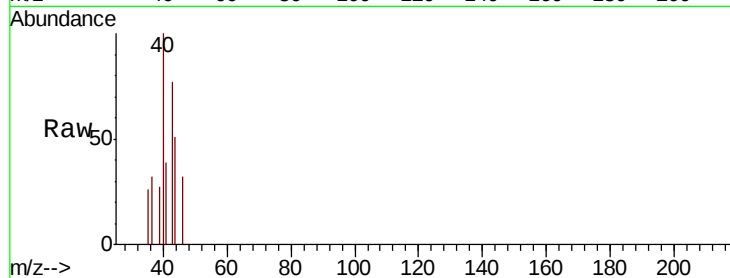
STOCK-PILE-1RE

Tot Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

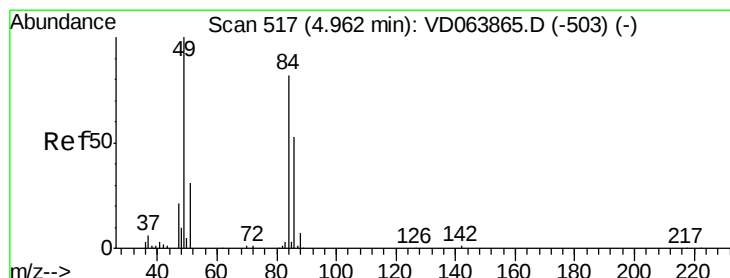
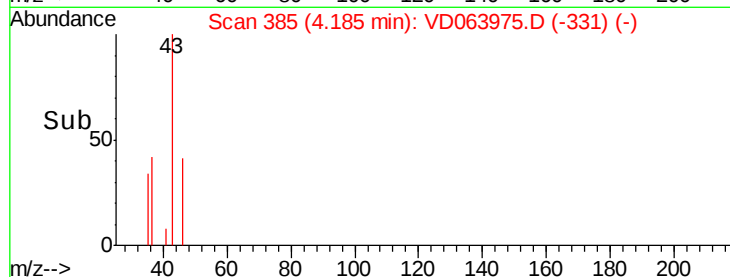
4.18

4.16

4.18

4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD063975.D

Acq: 15 Oct 2019 16:44

Tgt Ion: 84 Resp: 2191

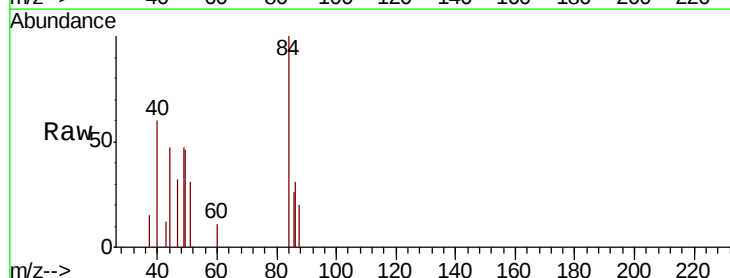
Ion Ratio Lower Upper

84 100

49 93.1 97.3 145.9#

51 30.8 30.1 45.1

86 56.8 51.4 77.2



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.95

4.90

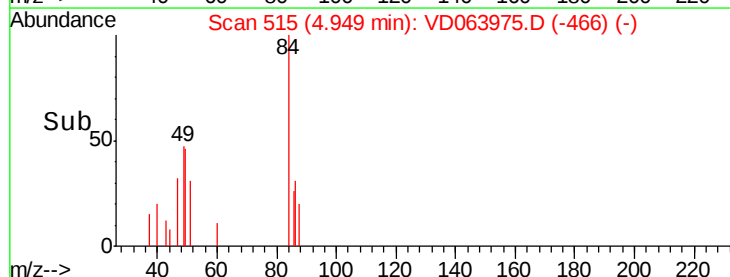
4.92

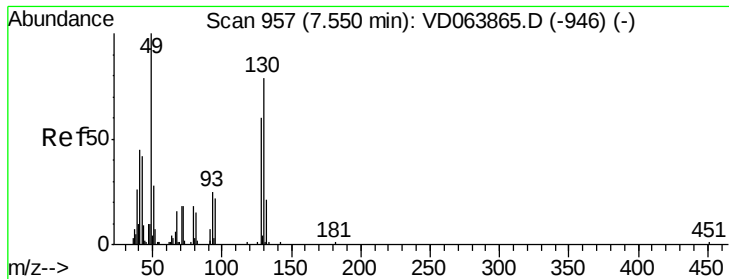
4.94

4.96

4.98

Time-->





#28

Bromochloromethane

Concen: 1.987 ug/l

RT: 7.54 min Scan# 955

Delta R.T. -0.01 min

Lab File: VD063975.D

Acq: 15 Oct 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-1RE

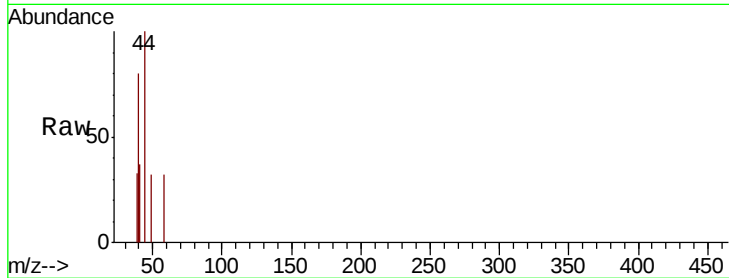
Tot Ion: 49 Resp: 124

Ion Ratio Lower Upper

49 100

129 44.4 0.0 5.6#

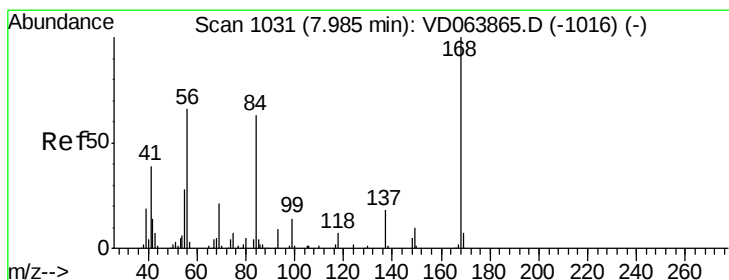
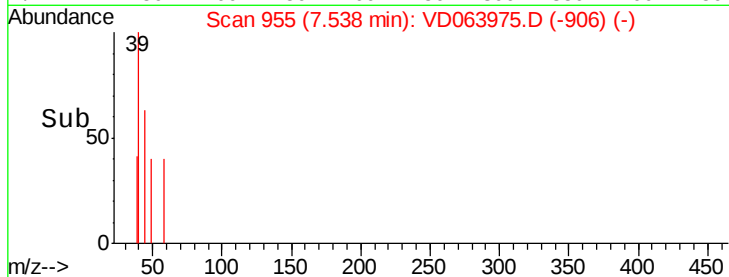
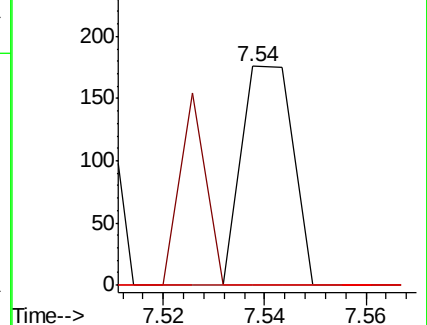
130 0.0 66.8 100.2#



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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD063975.D

Acq: 15 Oct 2019 16:44

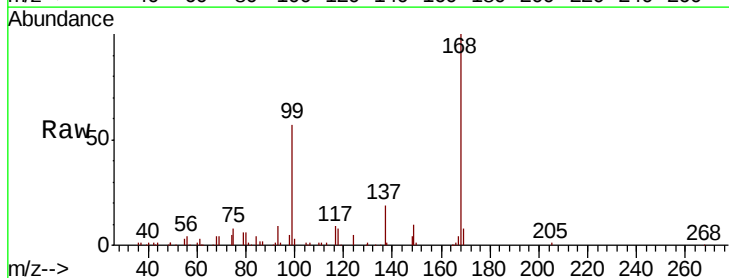
Tgt Ion: 56 Resp: 4453

Ion Ratio Lower Upper

56 100

69 104.8 25.0 37.4#

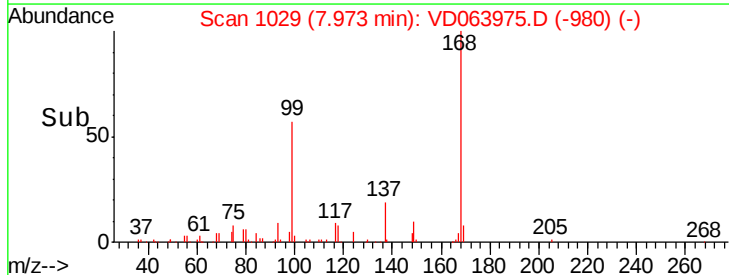
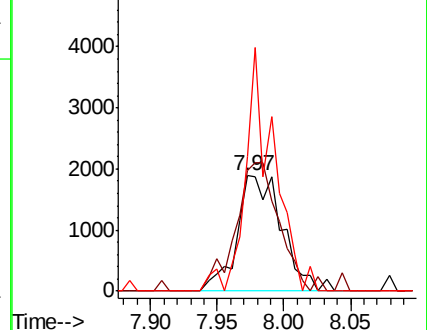
84 116.5 76.3 114.5#

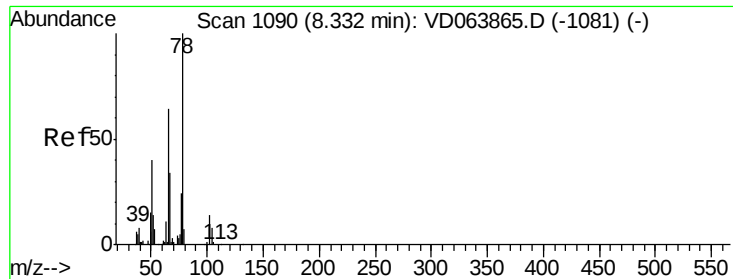


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

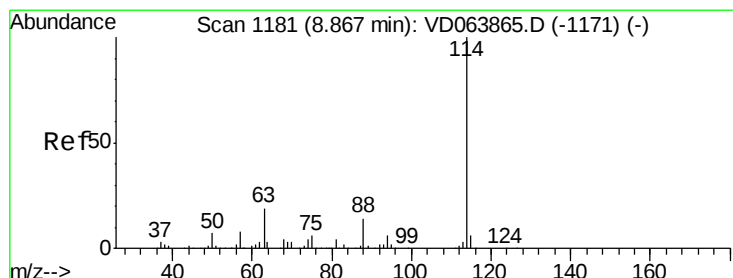
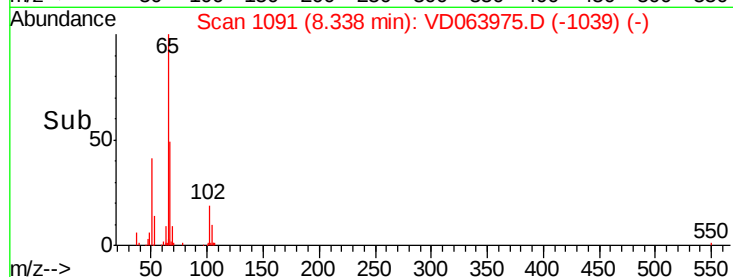
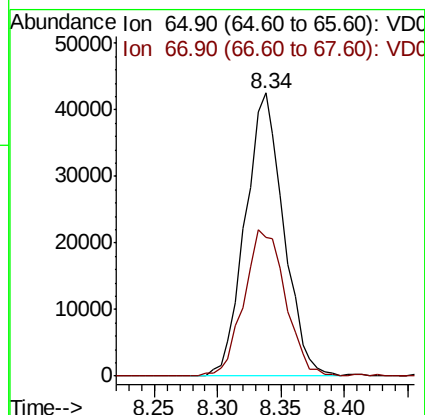
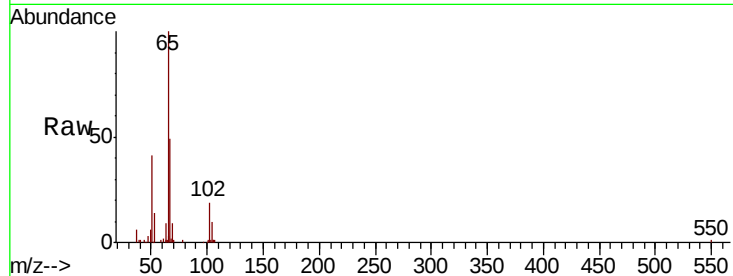




#33
 1,2-Dichloroethane-d4
 Concen: 63.337 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063975.D
 Acq: 15 Oct 2019 16:44

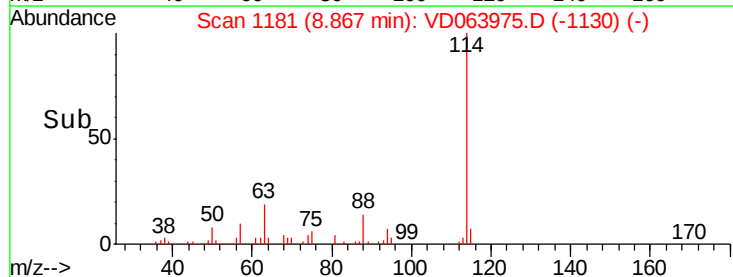
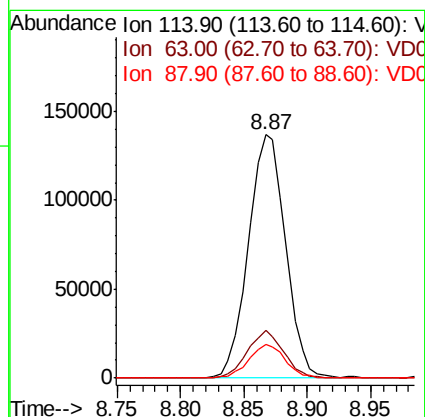
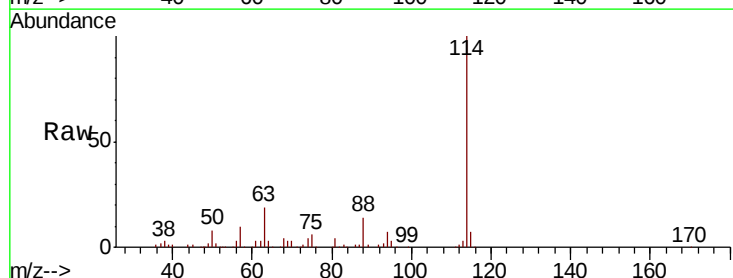
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1RE

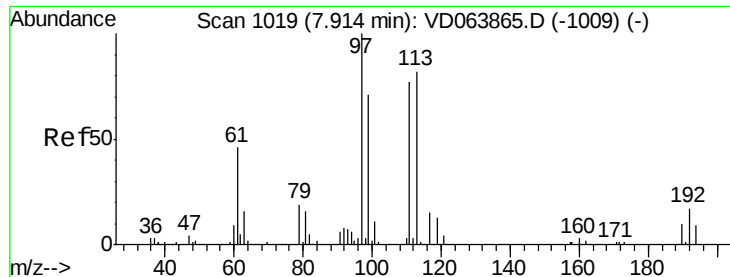
Tot Ion: 65 Resp: 89554
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063975.D
 Acq: 15 Oct 2019 16:44

Tgt Ion: 114 Resp: 279351
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.4
 88 13.7 0.0 27.4

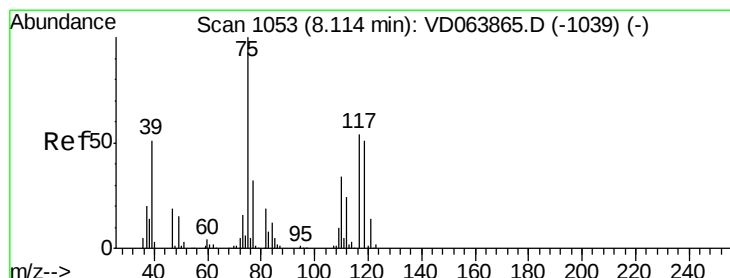
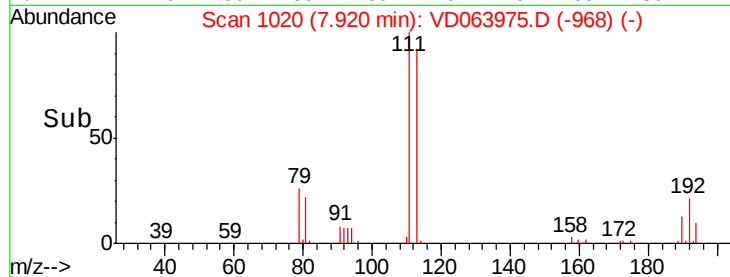
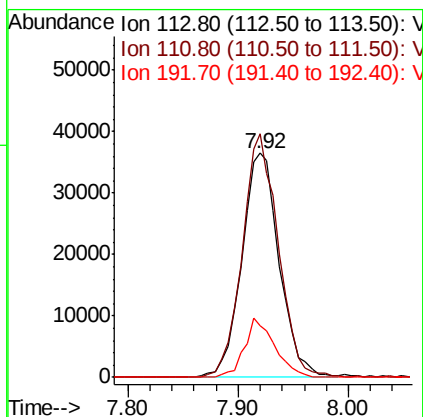
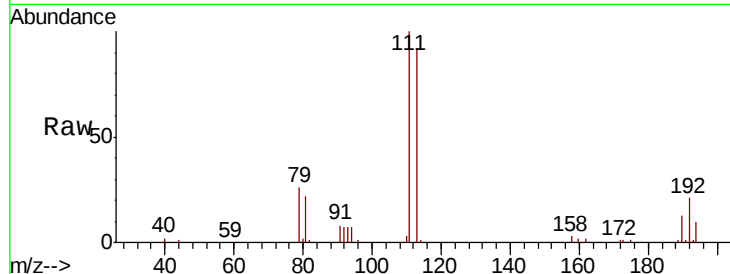




#35
 Dibromofluoromethane
 Concen: 50.928 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063975.D
 Acq: 15 Oct 2019 16:44

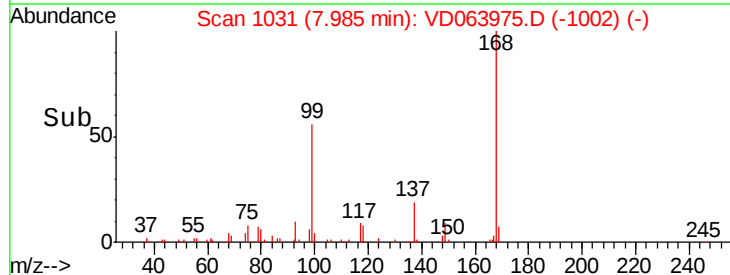
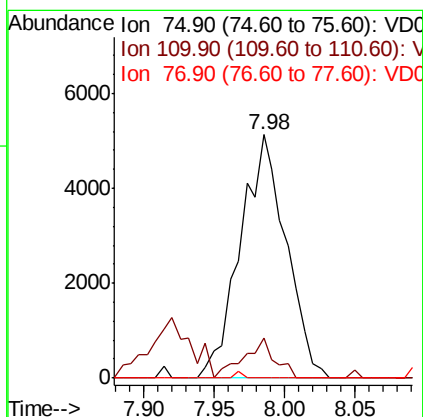
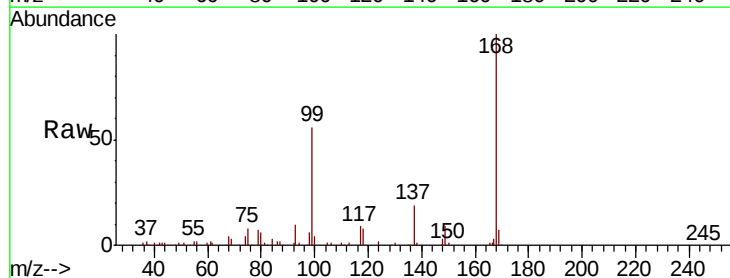
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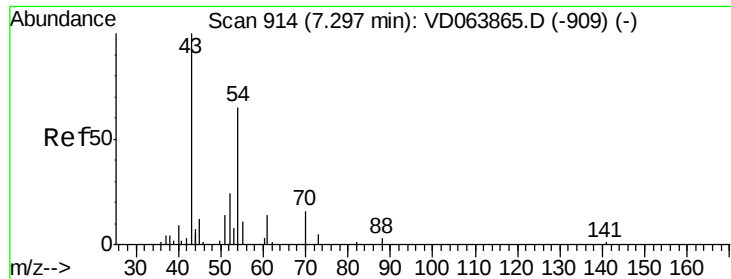
Tot Ion:113 Resp: 86944
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.6 123.8
 192 21.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.556 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063975.D
 Acq: 15 Oct 2019 16:44

Tgt Ion: 75 Resp: 11636
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.4 52.3#
 77 0.5 25.4 38.0#

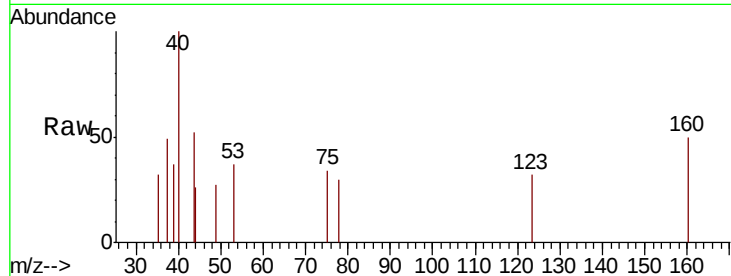




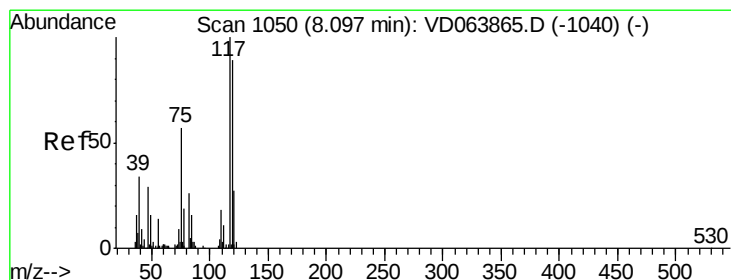
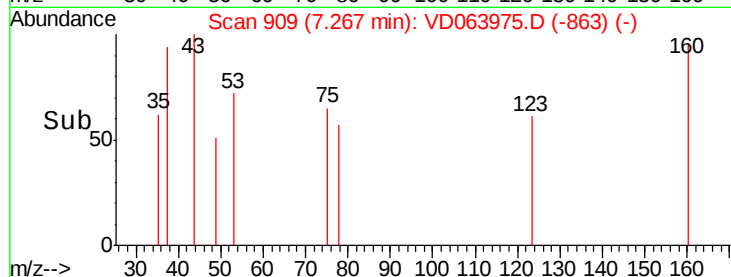
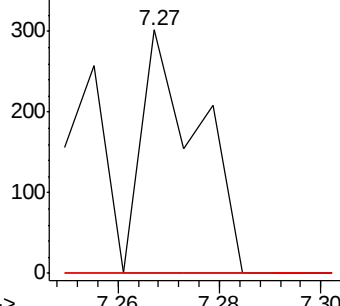
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.27 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD063975.D
Acq: 15 Oct 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1RE

Tot Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

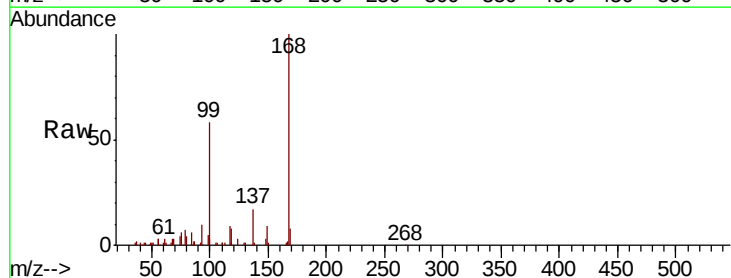


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

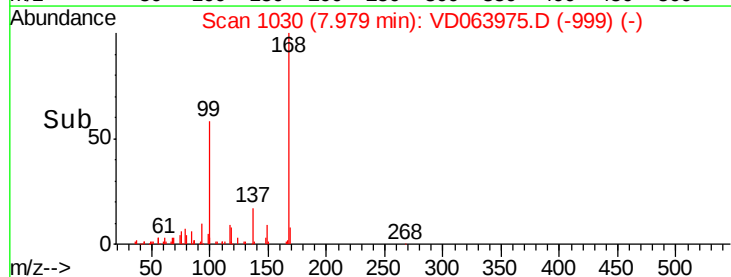
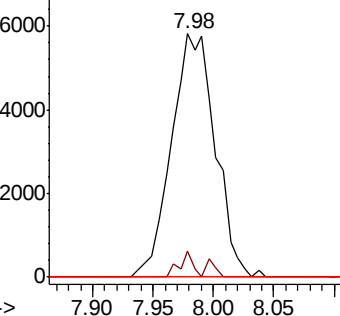


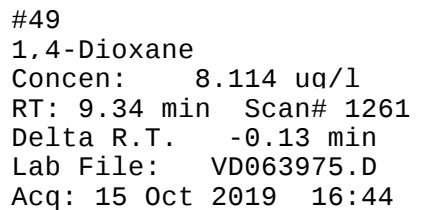
#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063975.D
Acq: 15 Oct 2019 16:44

Tgt Ion: 117 Resp: 14650
Ion Ratio Lower Upper
117 100
119 10.9 70.8 106.2#
121 0.0 21.4 32.0#

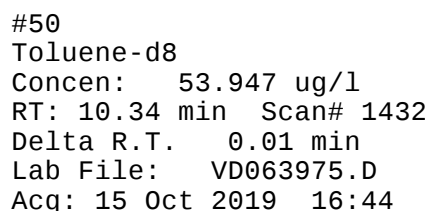
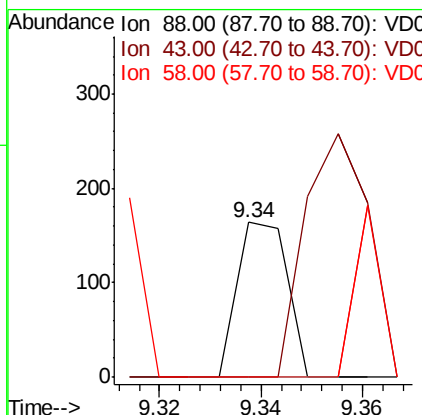
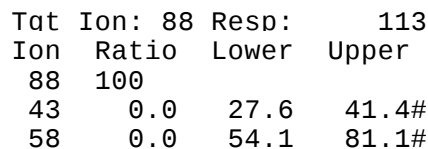


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

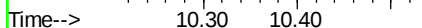
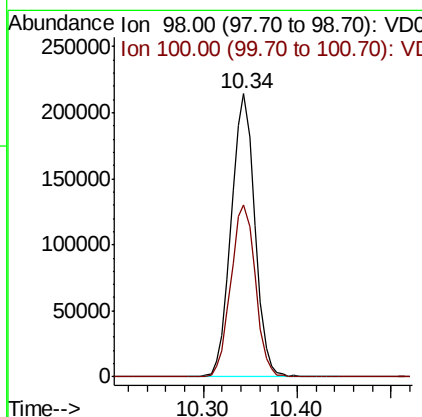


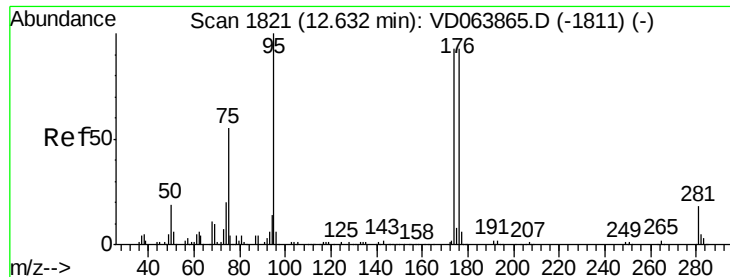


Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1RE



Tgt	Ion: 98	Resp:	373811
Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.1	78.1

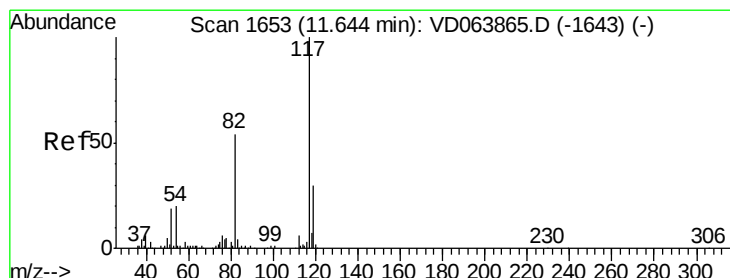
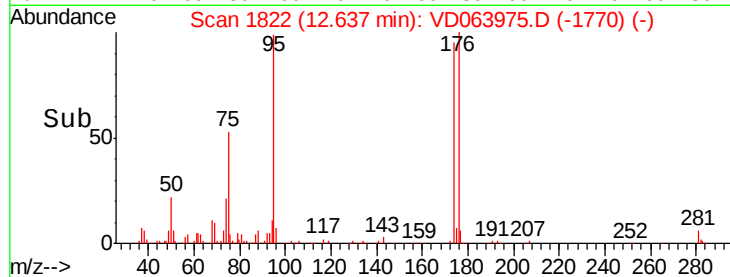
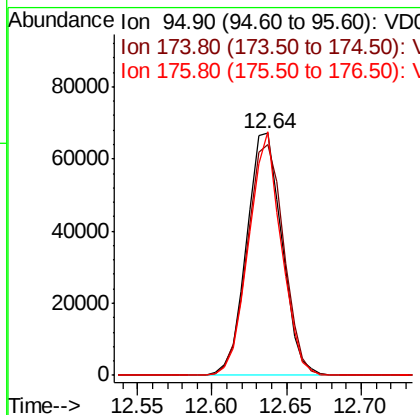
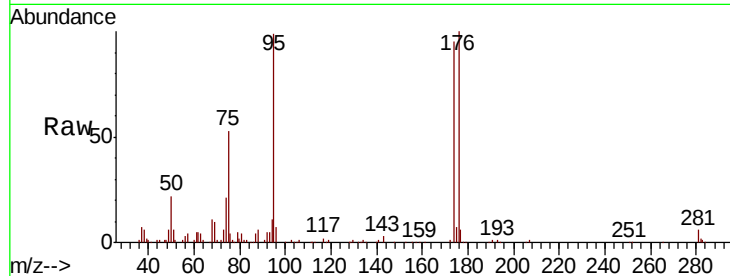




#62
4-Bromofluorobenzene
Concen: 45.429 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063975.D
Acq: 15 Oct 2019 16:44

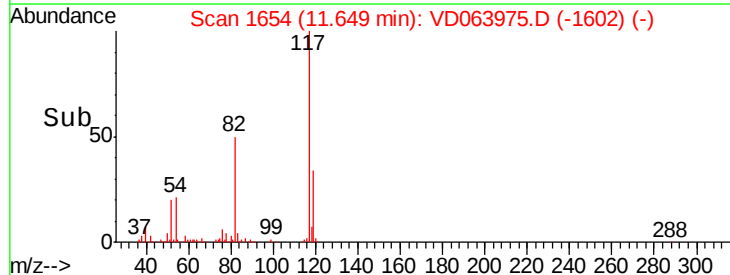
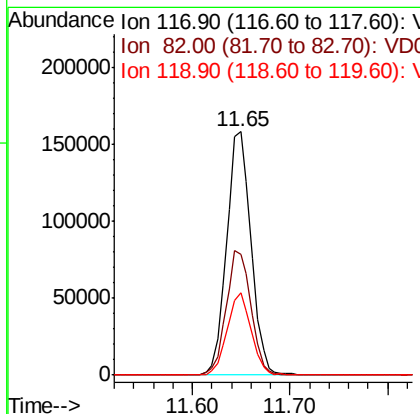
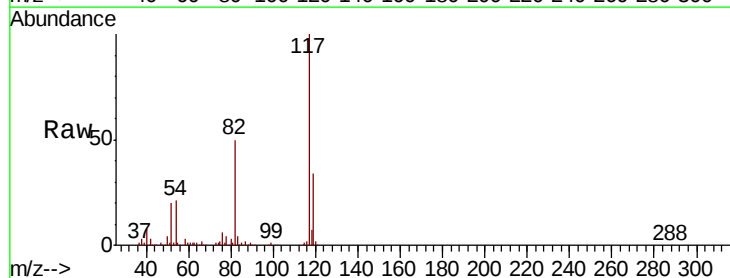
Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1RE

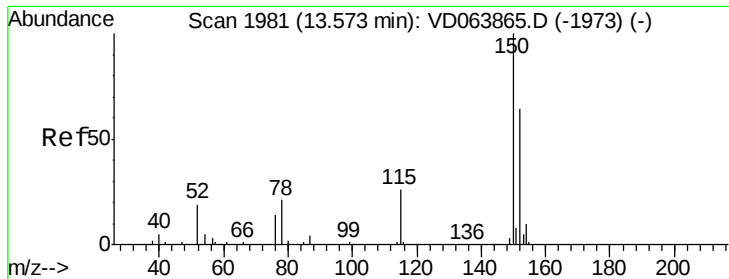
Tot Ion: 95 Resp: 109390
Ion Ratio Lower Upper
95 100
174 98.7 0.0 186.4
176 92.5 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063975.D
Acq: 15 Oct 2019 16:44

Tgt Ion: 117 Resp: 273764
Ion Ratio Lower Upper
117 100
82 49.7 42.8 64.2
119 33.8 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: VD063975.D

Acq: 15 Oct 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-1RE

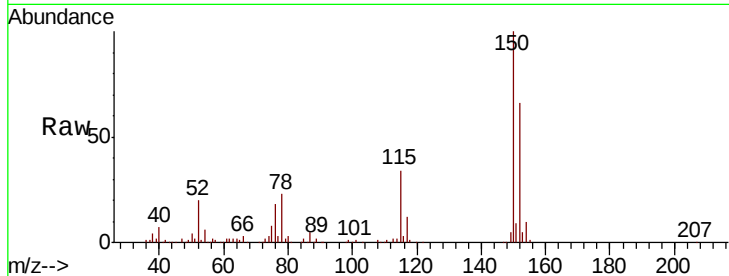
Tot Ion:152 Resp: 127269

Ion Ratio Lower Upper

152 100

115 53.1 25.9 77.7

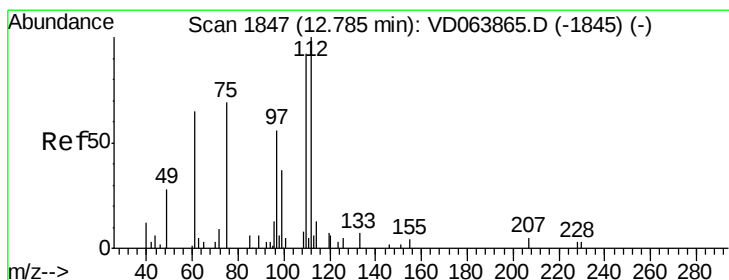
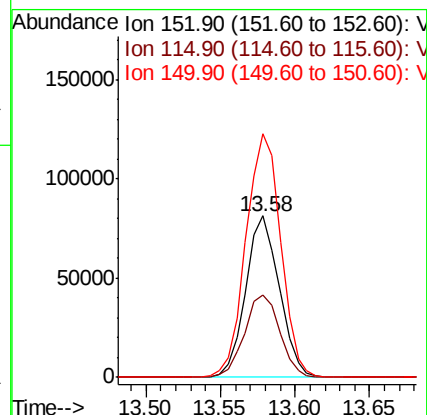
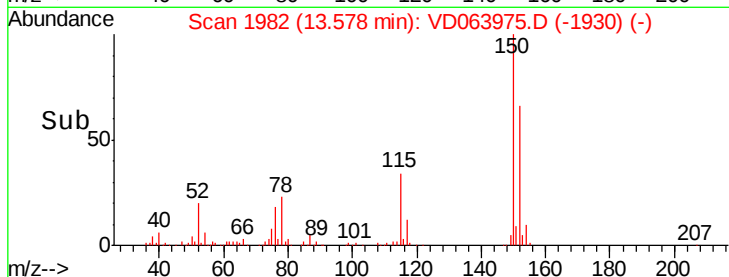
150 155.4 0.0 344.2



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: 69.868 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063975.D

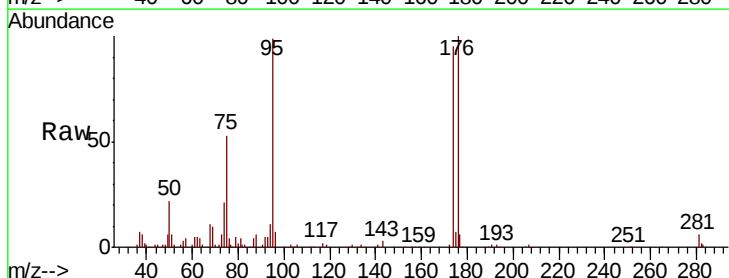
Acq: 15 Oct 2019 16:44

Tgt Ion: 75 Resp: 59556

Ion Ratio Lower Upper

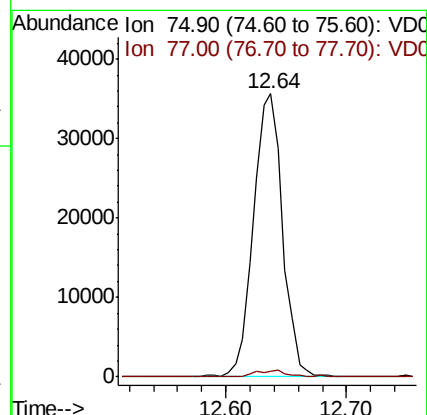
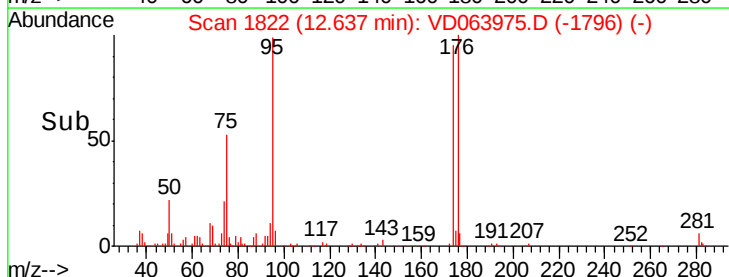
75 100

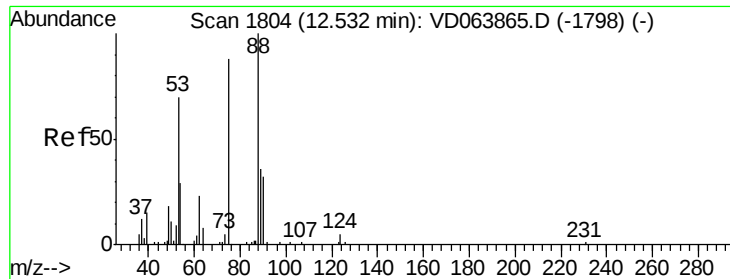
77 2.4 0.0 0.0#



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: 123.638 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063975.D

Acq: 15 Oct 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-1RE

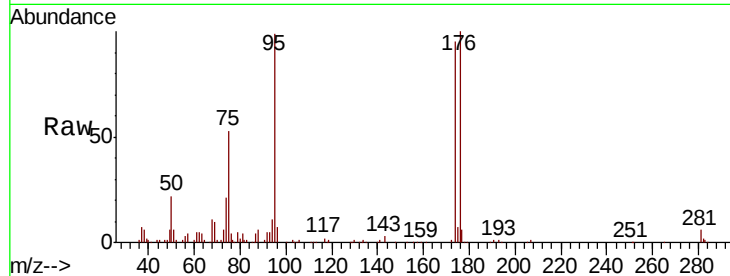
Tot Ion: 75 Resp: 59556

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

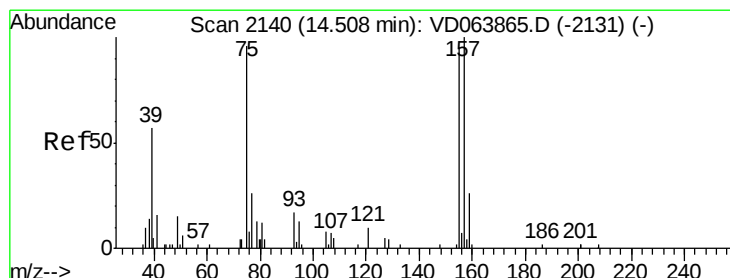
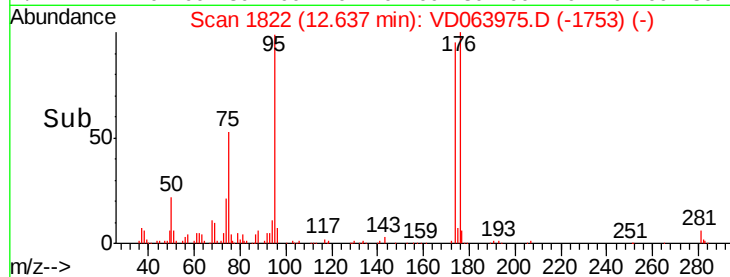
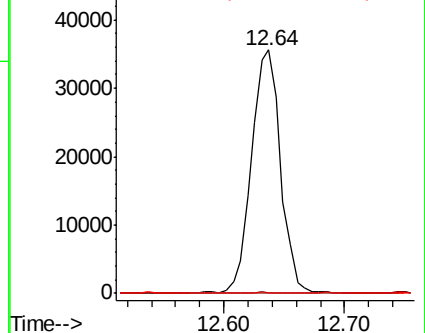
89 0.0 38.2 57.4#



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: 14.54 min Scan# 2145

Delta R.T. 0.03 min

Lab File: VD063975.D

Acq: 15 Oct 2019 16:44

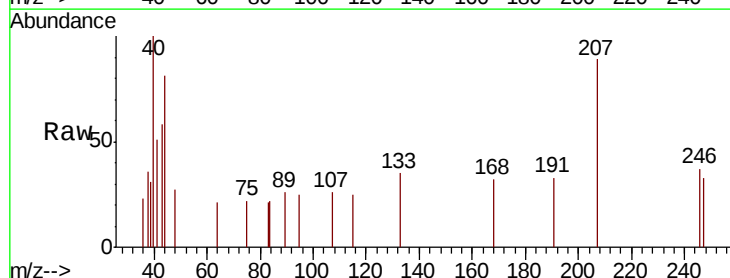
Tgt Ion: 75 Resp: 57

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

