

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063973.D
 Acq On : 15 Oct 2019 15:48
 Operator : VA/SY
 Sample : K5374-01
 Misc : 5.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1

Quant Time: Oct 16 02:16:07 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	160641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142043	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	97042	62.05	ug/l	0.00
Spiked Amount			Recovery	=	124.10%	
35) Dibromofluoromethane	7.92	113	96231	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	10.34	98	404420	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.64	95	118107	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	

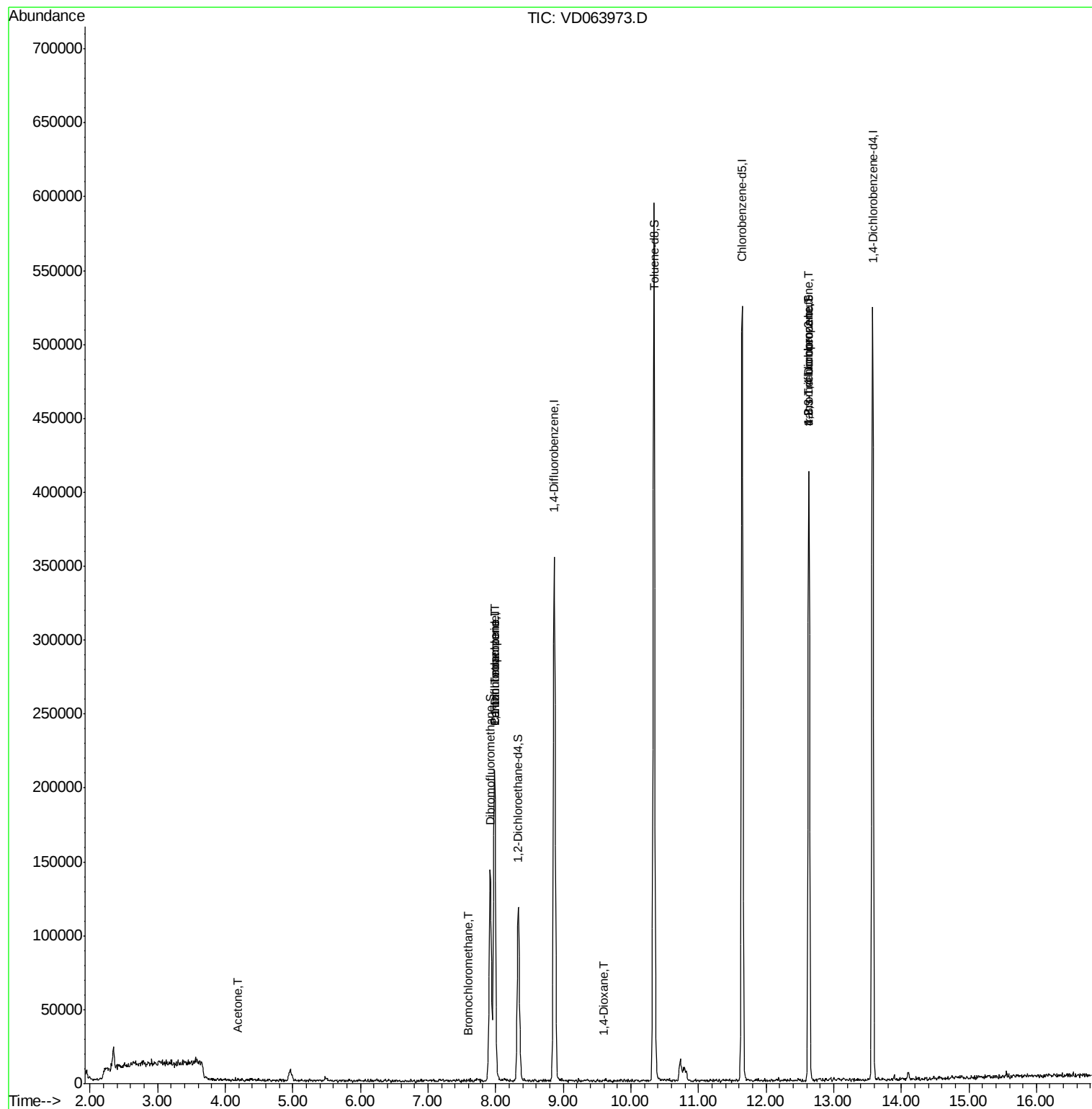
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	491	Below Cal		94
11) Tert butyl alcohol	5.25	59	216	Below Cal	#	71
16) Acetone	4.19	43	816	2.004	ug/l	98
20) Methylene Chloride	4.96	84	4351	Below Cal	#	78
28) Bromochloromethane	7.59	49	92	1.947	ug/l #	10
31) Cyclohexane	7.98	56	4474	Below Cal	#	38
36) 1,1-Dichloropropene	7.98	75	12927	4.610	ug/l #	46
37) Ethyl Acetate	7.33	43	333	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	16054	5.665	ug/l #	23
49) 1,4-Dioxane	9.60	88	71	4.643	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	67125	70.557	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	67125	124.857	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	109	Below Cal	#	1

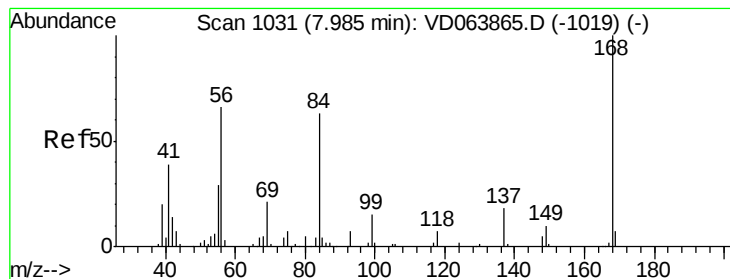
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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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# 1031

Delta R.T. -0.00 min

Lab File: VD063973.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

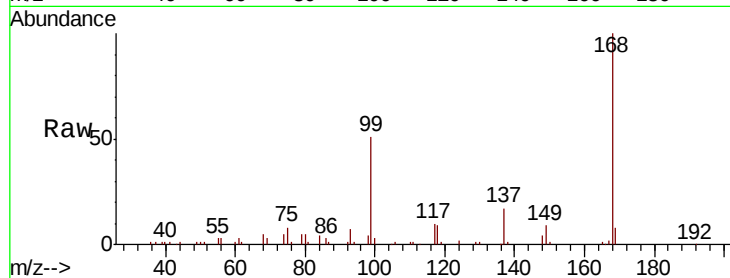
STOCK-PILE-1

Tot Ion:168 Resp: 160641

Ion Ratio Lower Upper

168 100

99 51.5 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

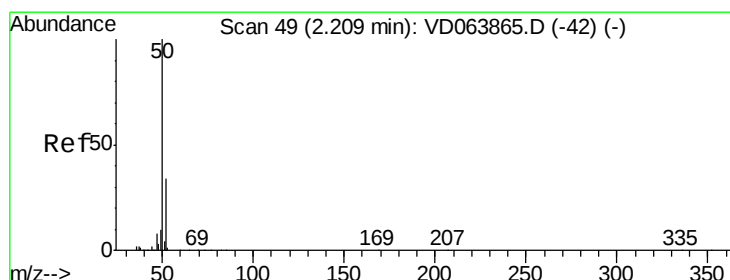
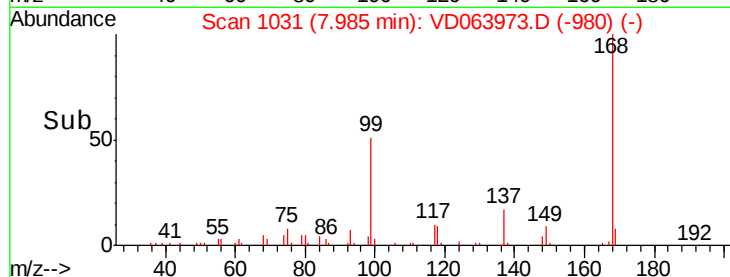
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063973.D

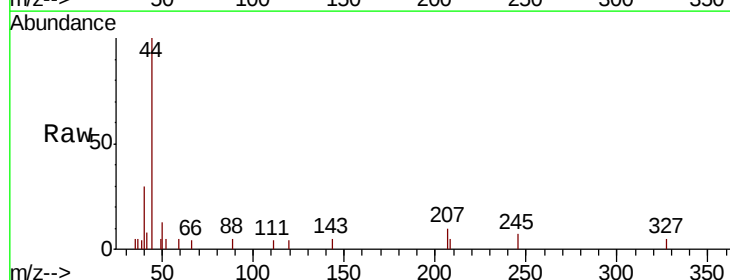
Acq: 15 Oct 2019 15:48

Tgt Ion: 50 Resp: 491

Ion Ratio Lower Upper

50 100

52 37.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

600

500

400

300

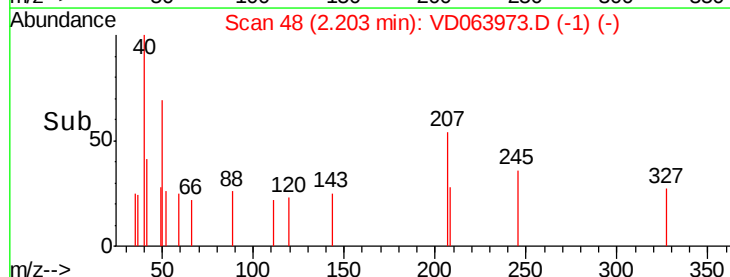
200

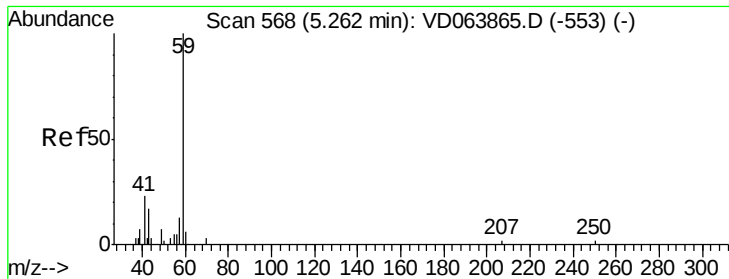
100

0

2.18 2.20 2.22 2.24

Time-->



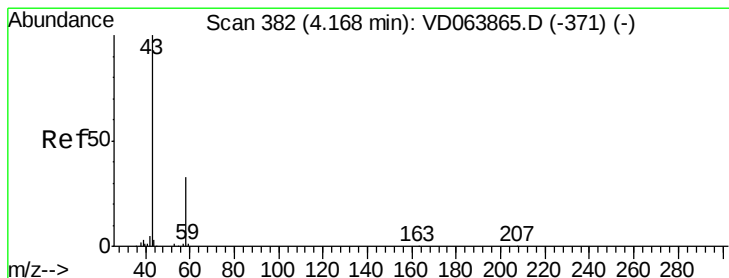
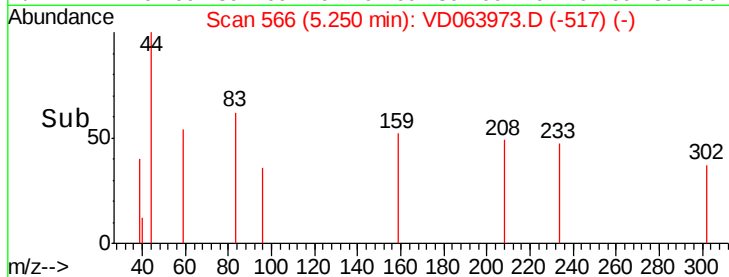
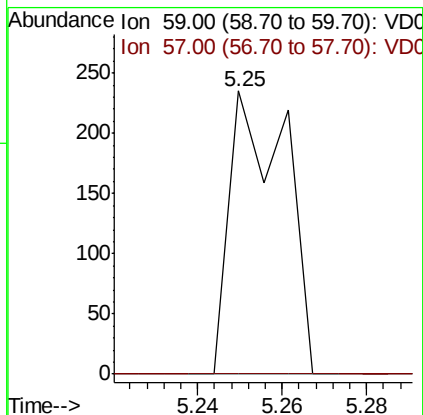
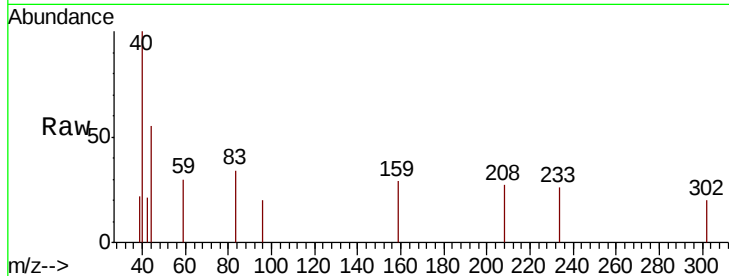


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063973.D
 Acq: 15 Oct 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1

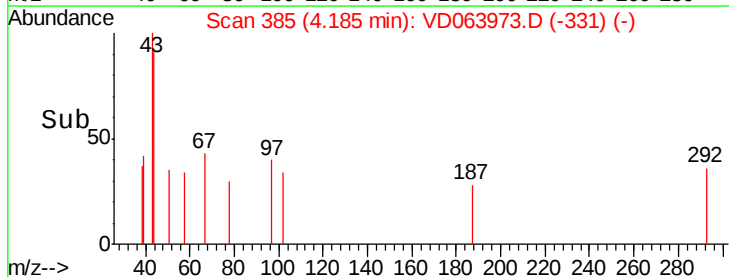
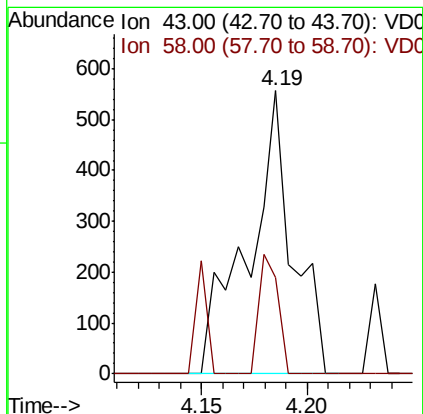
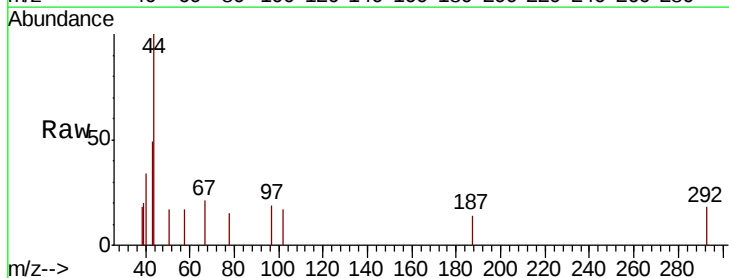
Tot Ion: 59 Resp: 216
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

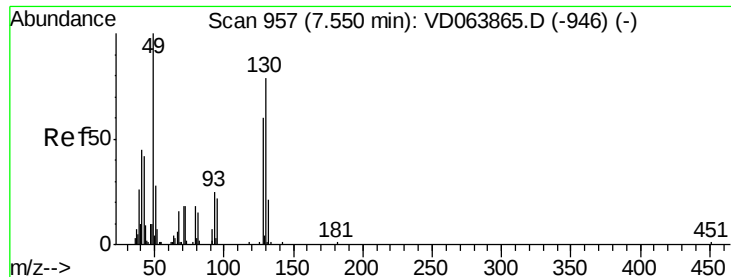


#16

Acetone
 Concen: 2.004 ug/l
 RT: 4.19 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VD063973.D
 Acq: 15 Oct 2019 15:48

Tgt Ion: 43 Resp: 816
 Ion Ratio Lower Upper
 43 100
 58 33.9 26.2 39.4

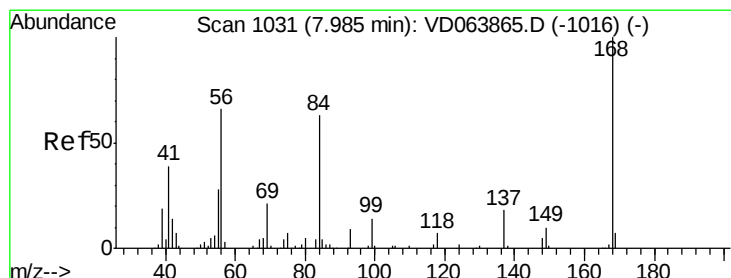
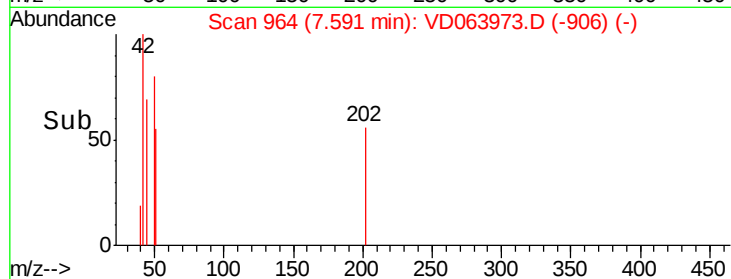
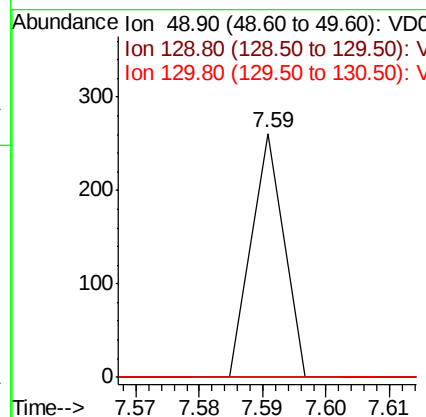
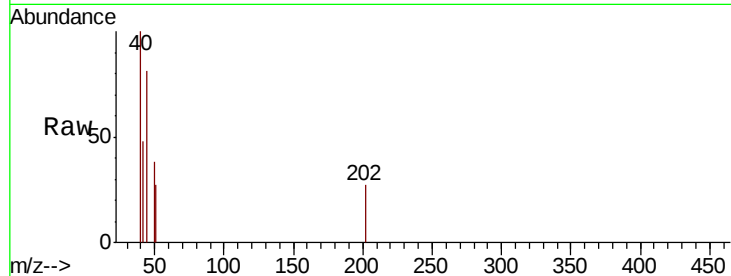




#28
Bromochloromethane
Concen: 1.947 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.04 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

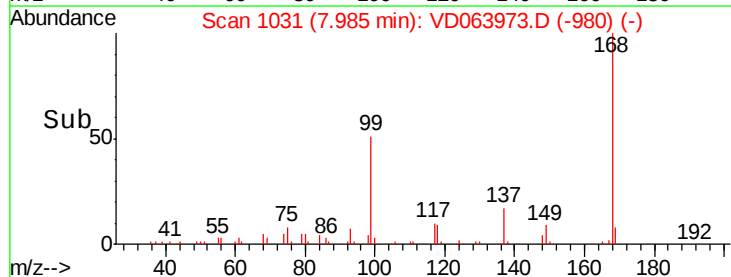
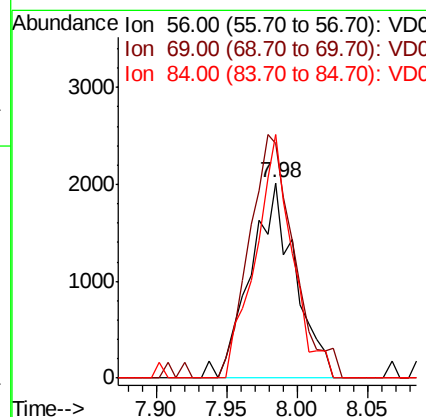
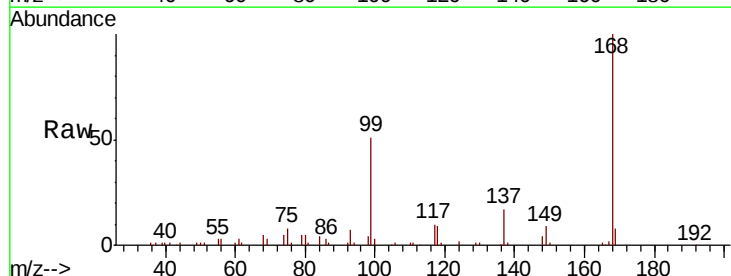
Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1

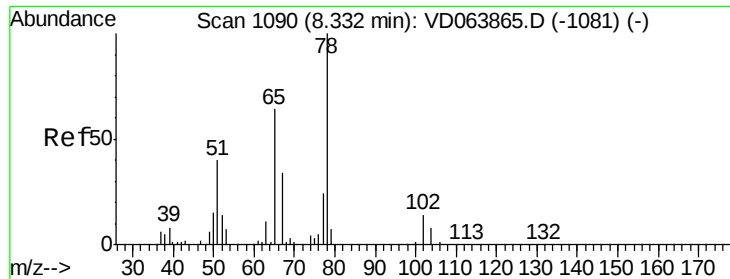
Tot Ion: 49 Resp: 92
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

Tgt Ion: 56 Resp: 4474
Ion Ratio Lower Upper
56 100
69 120.1 25.0 37.4#
84 124.7 76.3 114.5#

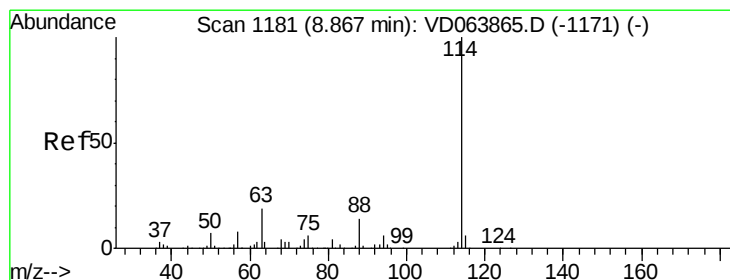
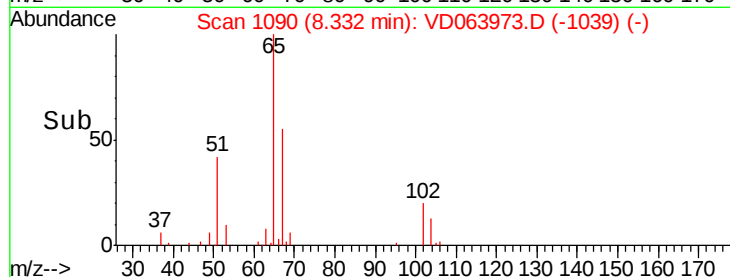
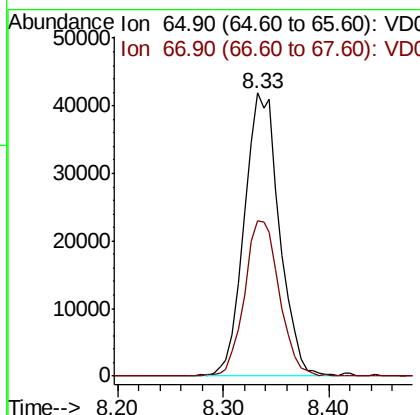
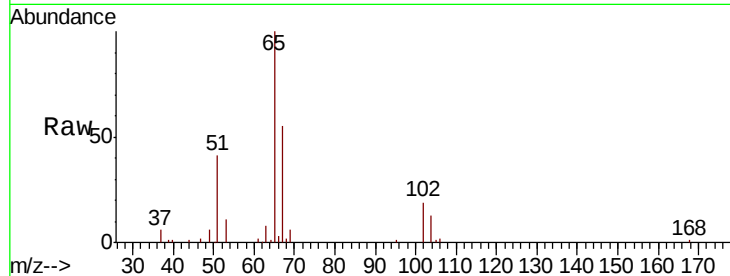




#33
 1,2-Dichloroethane-d4
 Concen: 62.049 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063973.D
 Acq: 15 Oct 2019 15:48

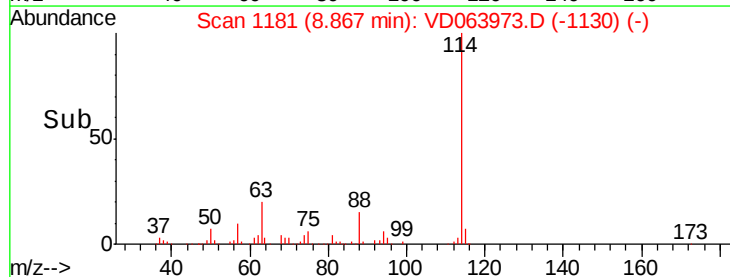
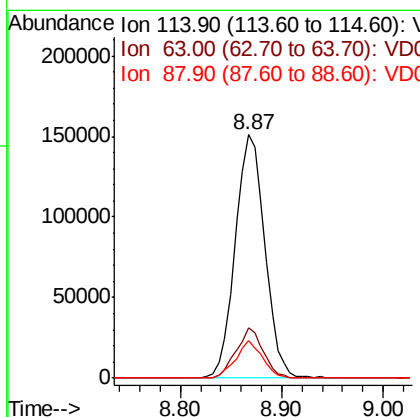
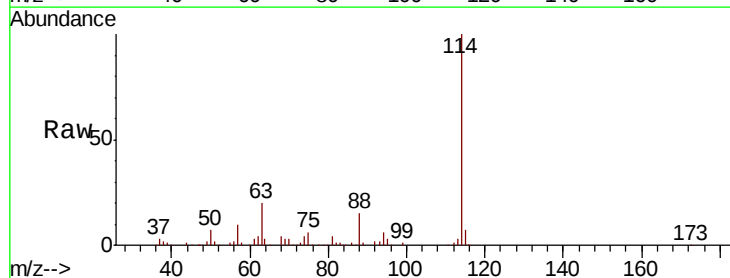
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1

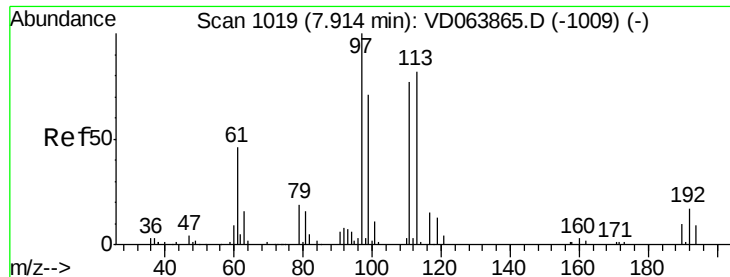
Tot Ion: 65 Resp: 97042
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063973.D
 Acq: 15 Oct 2019 15:48

Tgt Ion: 114 Resp: 306691
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 15.2 0.0 27.4

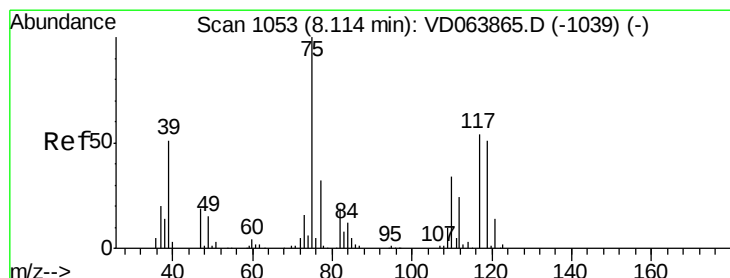
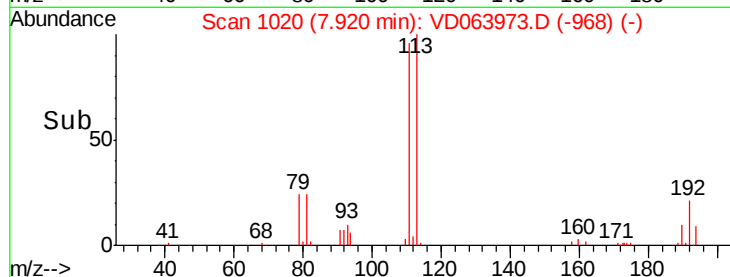
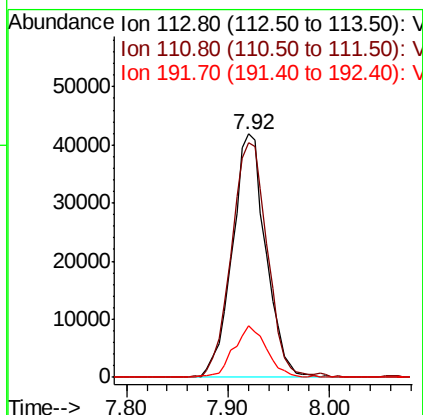
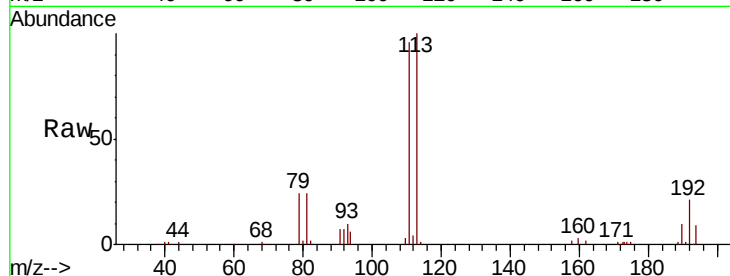




#35
 Dibromofluoromethane
 Concen: 51.343 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063973.D
 Acq: 15 Oct 2019 15:48

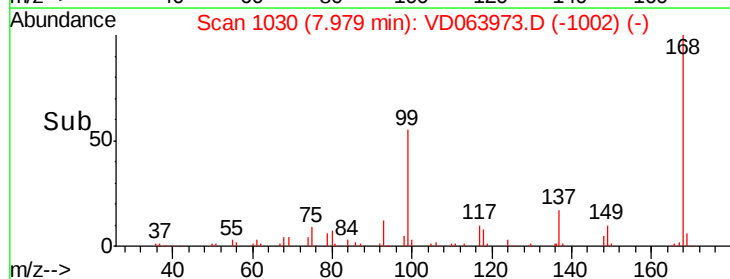
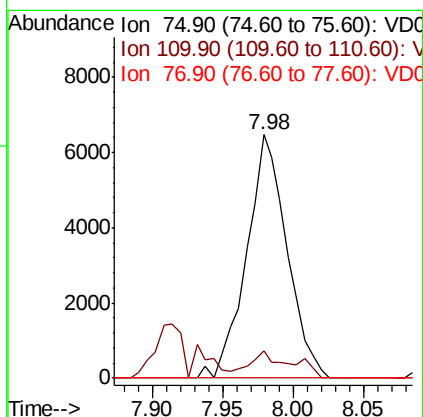
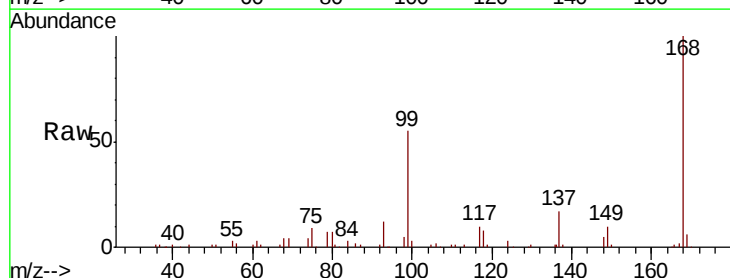
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-1

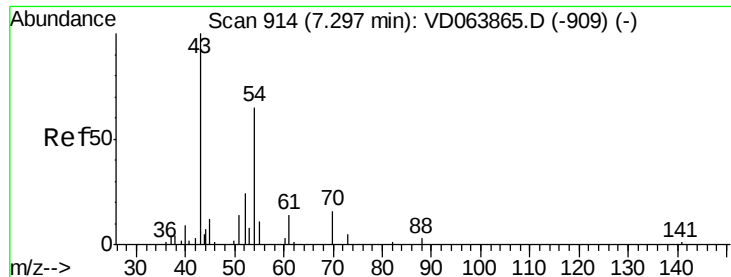
Tot Ion:113 Resp: 96231
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.6 123.8
 192 20.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.610 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063973.D
 Acq: 15 Oct 2019 15:48

Tgt Ion: 75 Resp: 12927
 Ion Ratio Lower Upper
 75 100
 110 5.3 17.4 52.3#
 77 0.0 25.4 38.0#

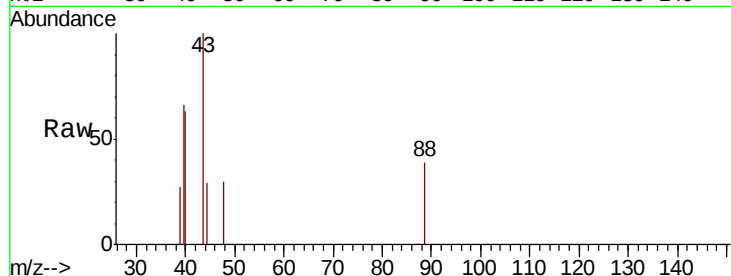




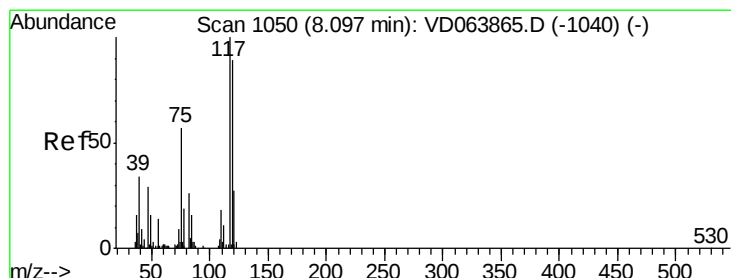
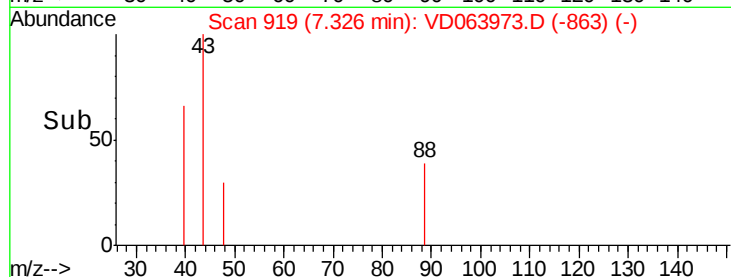
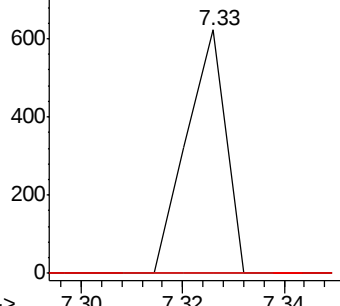
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.33 min Scan# 919
Delta R.T. 0.03 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1

Tot Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

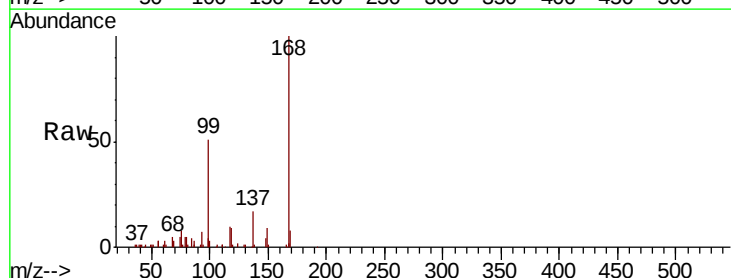


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

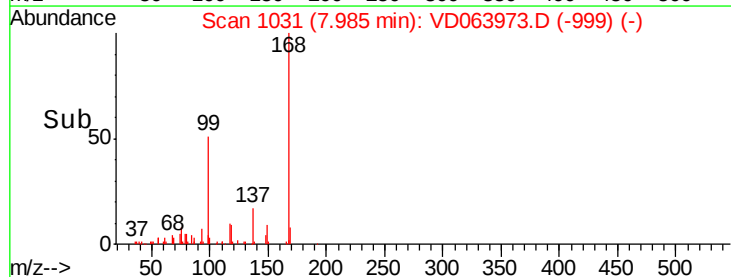
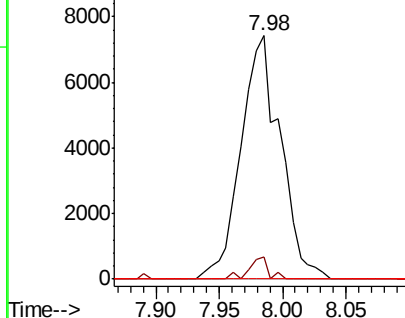


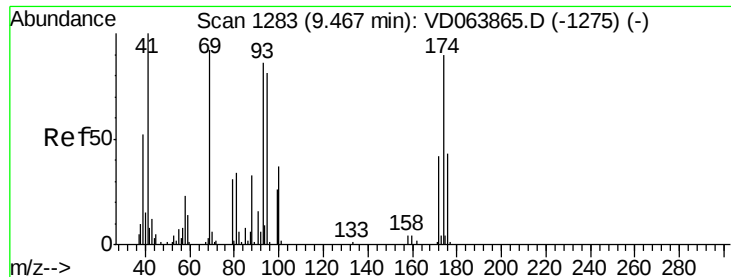
#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

Tgt Ion: 117 Resp: 16054
Ion Ratio Lower Upper
117 100
119 9.2 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

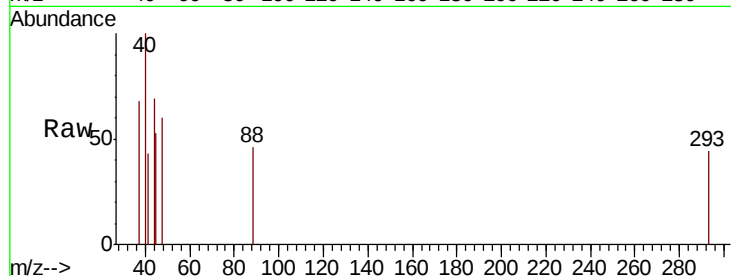




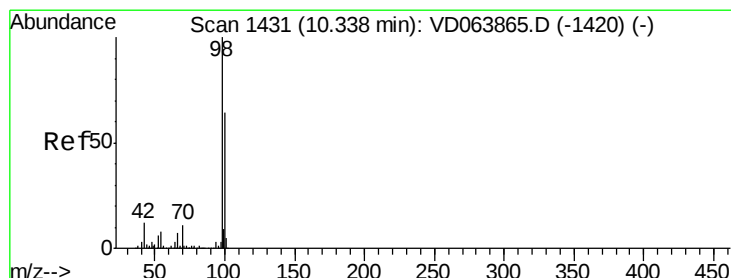
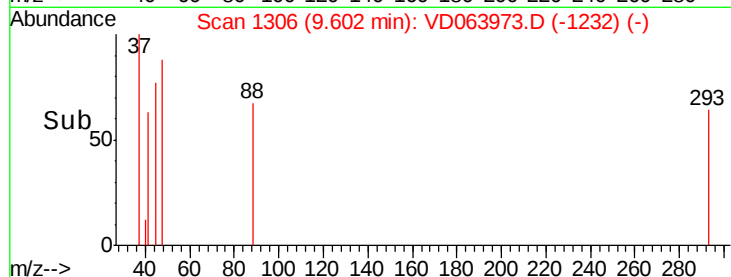
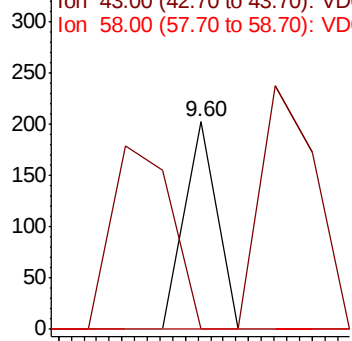
#49
1,4-Dioxane
Concen: 4.643 ug/l
RT: 9.60 min Scan# 1306
Delta R.T. 0.14 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1

Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 204.2 27.6 41.4#
58 0.0 54.1 81.1#

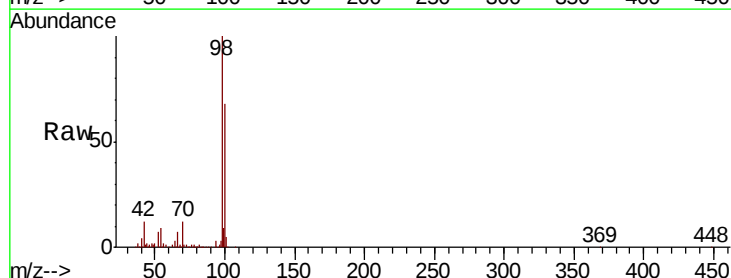


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

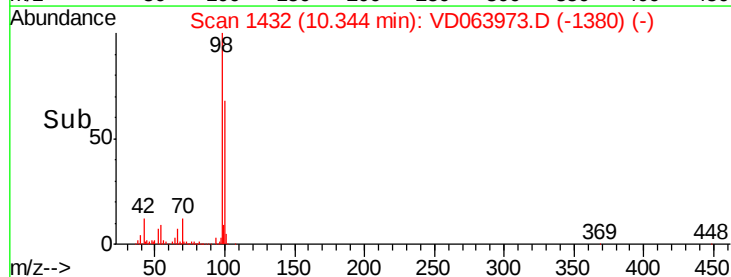
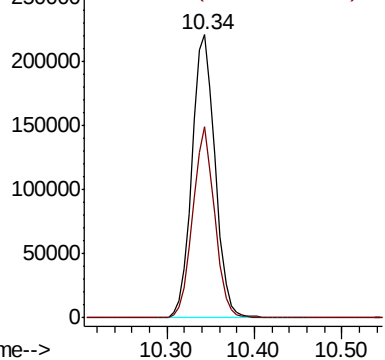


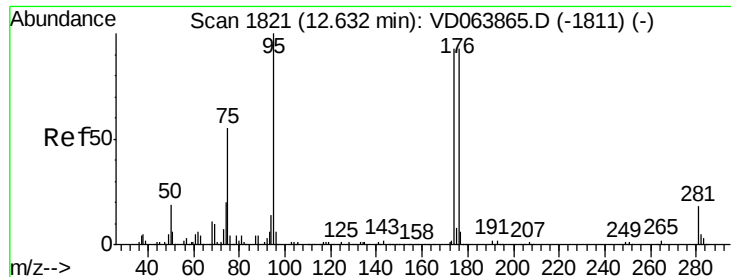
#50
Toluene-d8
Concen: 53.161 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

Tgt Ion: 98 Resp: 404420
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



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

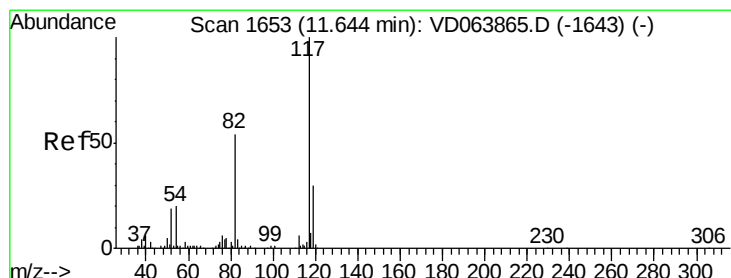
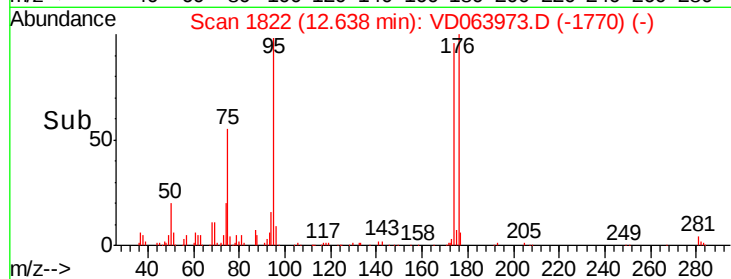
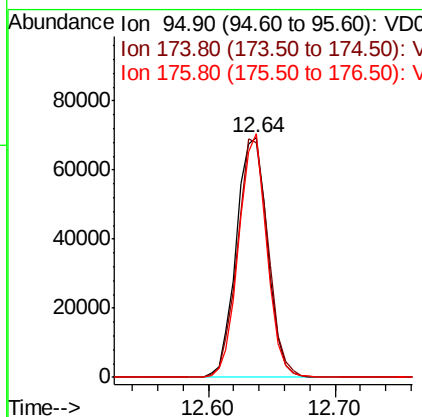
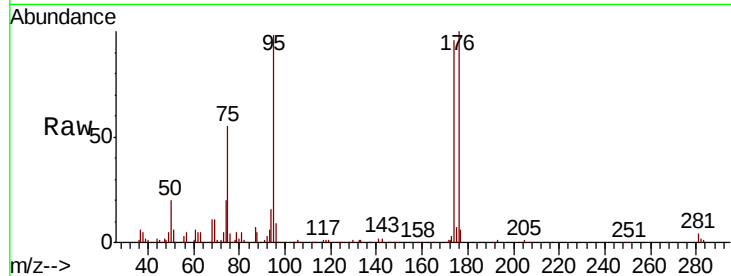




#62
4-Bromofluorobenzene
Concen: 44.677 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

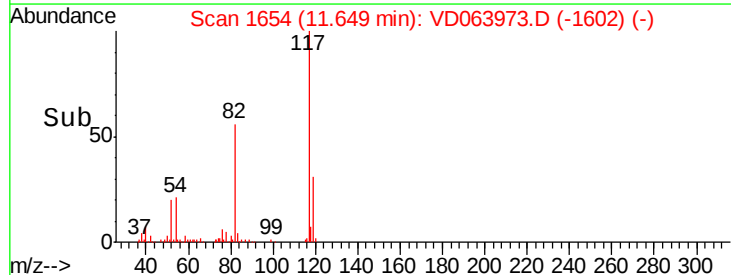
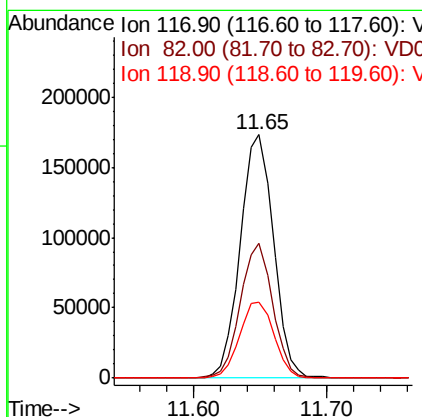
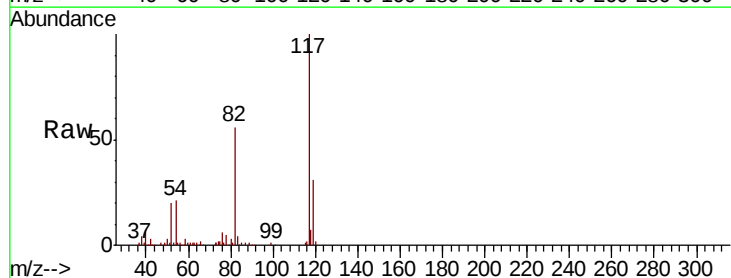
Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-1

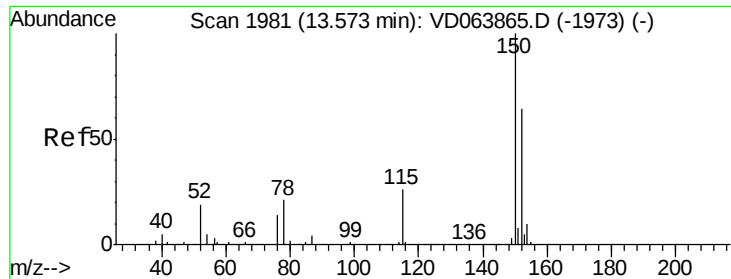
Tot Ion: 95 Resp: 118107
Ion Ratio Lower Upper
95 100
174 97.5 0.0 186.4
176 91.4 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063973.D
Acq: 15 Oct 2019 15:48

Tgt Ion: 117 Resp: 298179
Ion Ratio Lower Upper
117 100
82 55.5 42.8 64.2
119 31.1 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: VD063973.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-1

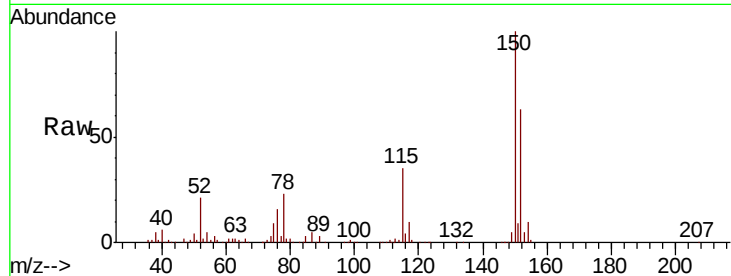
Tot Ion:152 Resp: 142043

Ion Ratio Lower Upper

152 100

115 54.1 25.9 77.7

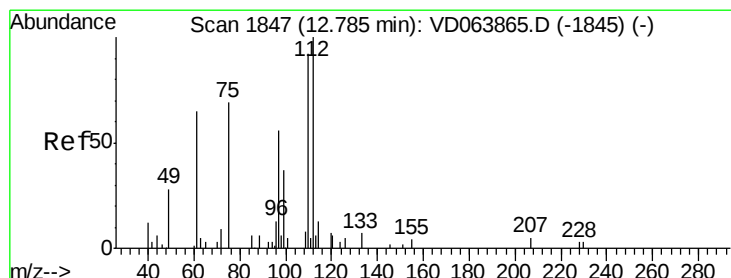
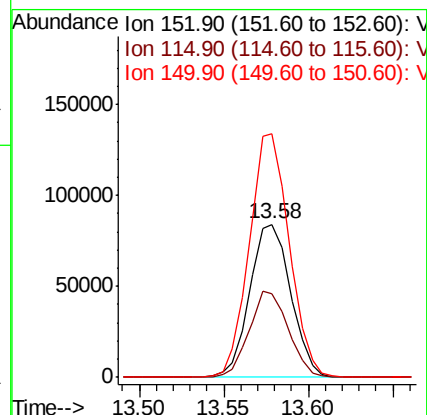
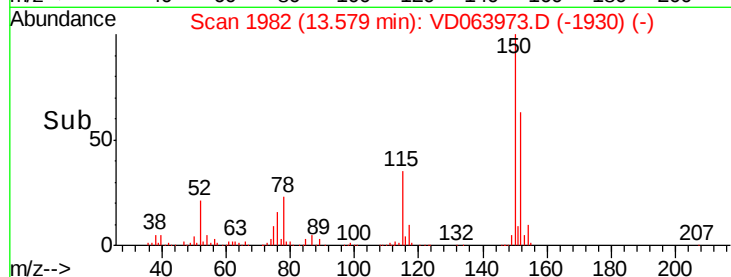
150 154.9 0.0 344.2



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: 70.557 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063973.D

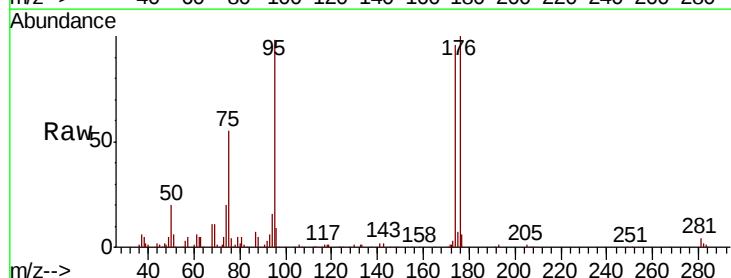
Acq: 15 Oct 2019 15:48

Tgt Ion: 75 Resp: 67125

Ion Ratio Lower Upper

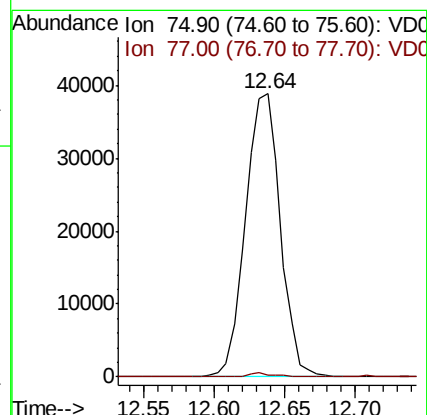
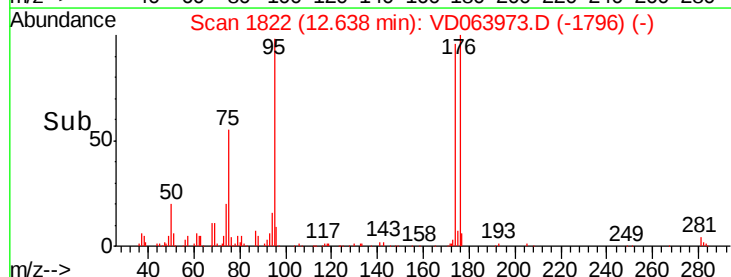
75 100

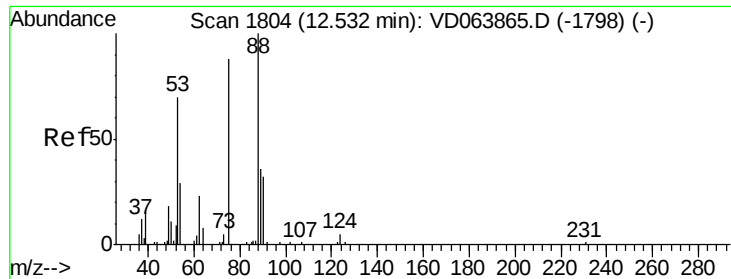
77 0.9 0.0 0.0#



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: 124.857 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063973.D

Acq: 15 Oct 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-1

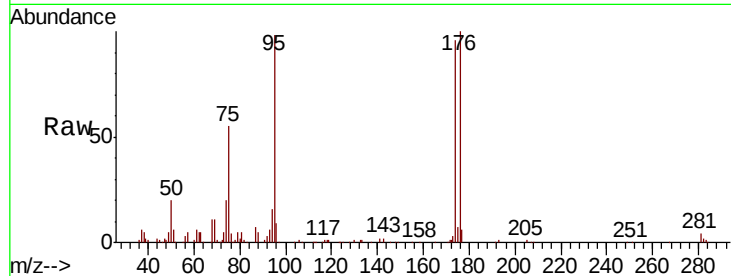
Tot Ion: 75 Resp: 67125

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

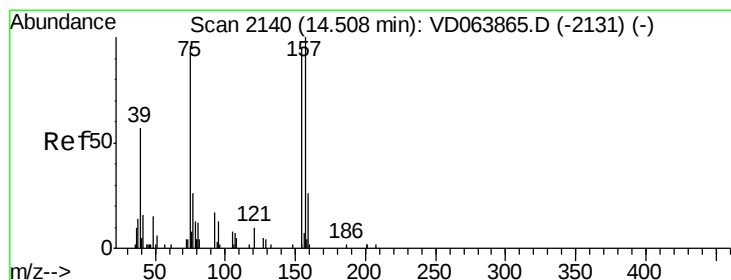
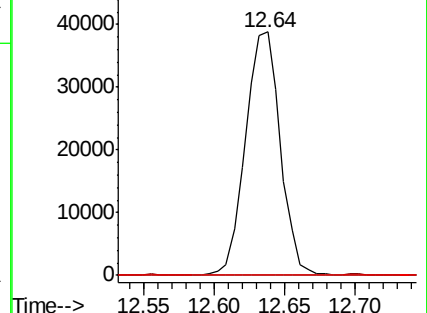
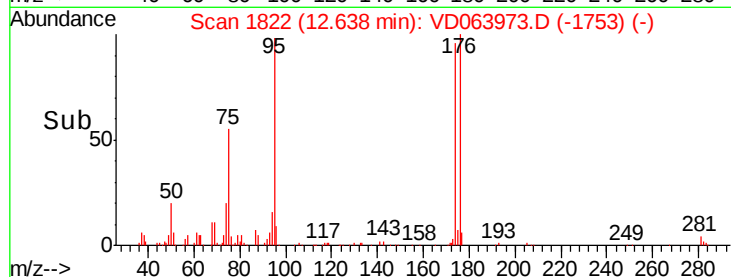
89 0.0 38.2 57.4#



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# 2146

Delta R.T. 0.04 min

Lab File: VD063973.D

Acq: 15 Oct 2019 15:48

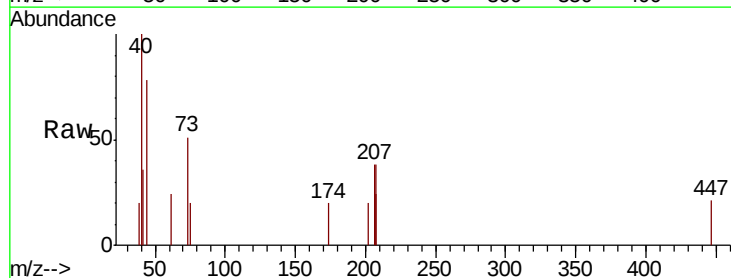
Tgt Ion: 75 Resp: 109

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

