

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064014.D
 Acq On : 18 Oct 2019 17:23
 Operator : VA/SY
 Sample : K5150-01RE
 Misc : 5.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:41:02 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	146901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	284729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137115	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	88378	61.79	ug/l	0.00
Spiked Amount			Recovery	=	123.58%	
35) Dibromofluoromethane	7.92	113	88491	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	10.34	98	404742	57.31	ug/l	0.00
Spiked Amount			Recovery	=	114.62%	
62) 4-Bromofluorobenzene	12.64	95	117591	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

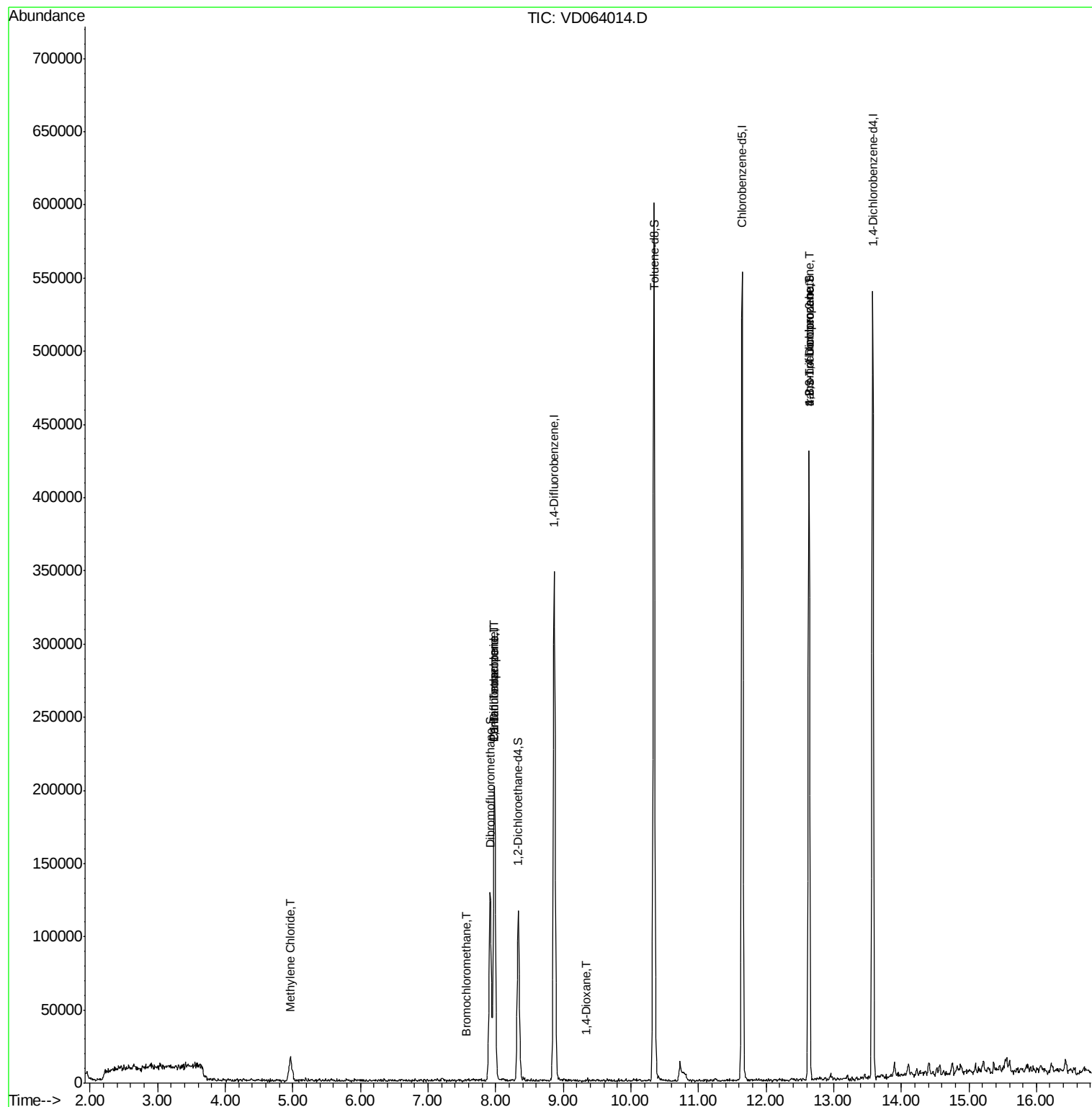
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	531	Below Cal	#	40
11) Tert butyl alcohol	5.26	59	106	Below Cal	#	71
20) Methylene Chloride	4.96	84	10545	3.588	ug/l	92
28) Bromochloromethane	7.57	49	76	1.939	ug/l #	95
31) Cyclohexane	7.98	56	4081	Below Cal	#	47
36) 1,1-Dichloropropene	7.98	75	12198	4.685	ug/l #	52
37) Ethyl Acetate	7.30	43	55	Below Cal	#	1
38) Carbon Tetrachloride	7.98	117	14673	5.577	ug/l #	19
49) 1,4-Dioxane	9.34	88	106	7.467	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	65687	71.527	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	65687	126.573	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	128	Below Cal	#	1

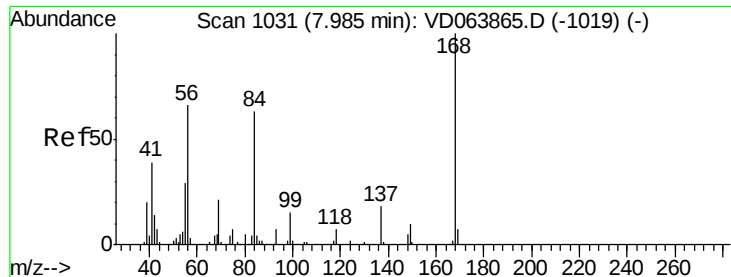
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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: VD064014.D

Acq: 18 Oct 2019 17:23

Instrument :

MSVOA_D

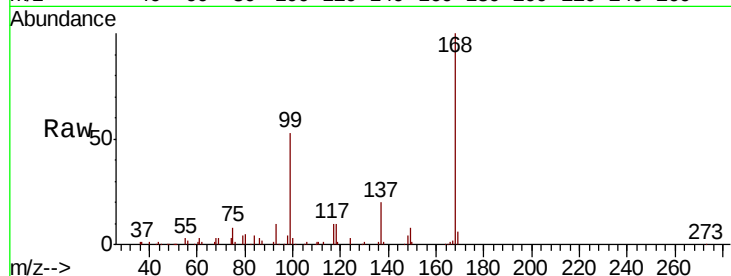
ClientSampleId :

Tot Ion:168 Resp: 146901

Ion Ratio Lower Upper

168 100

99 52.9 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

60000

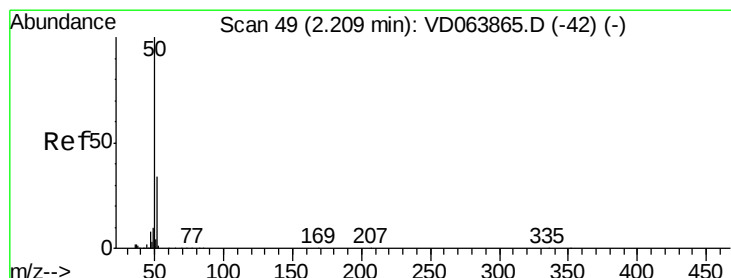
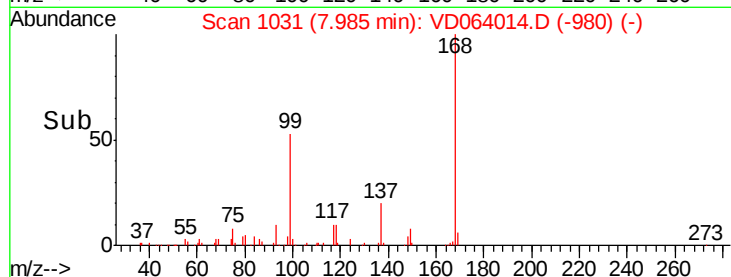
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.22 min Scan# 51

Delta R.T. 0.01 min

Lab File: VD064014.D

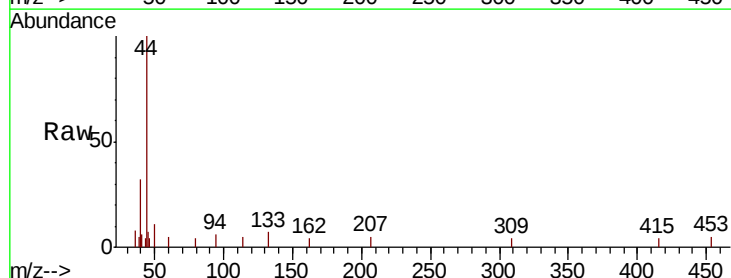
Acq: 18 Oct 2019 17:23

Tgt Ion: 50 Resp: 531

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

2.22

500

400

300

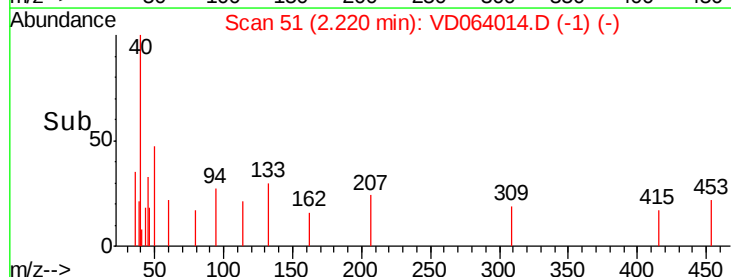
200

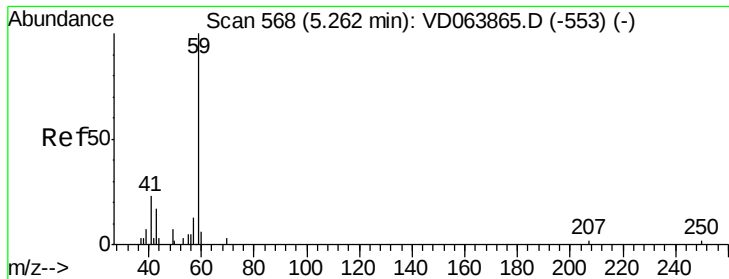
100

0

2.15 2.20 2.25

Time-->

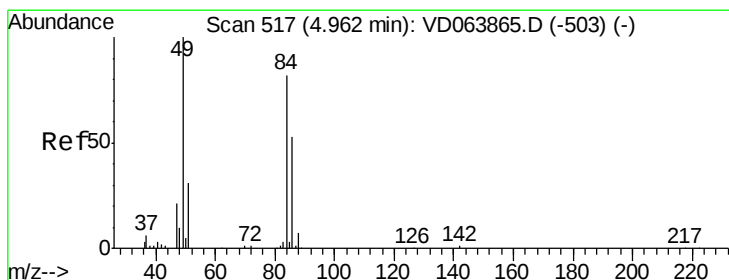
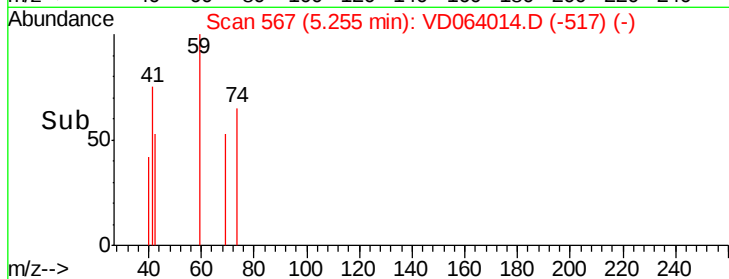
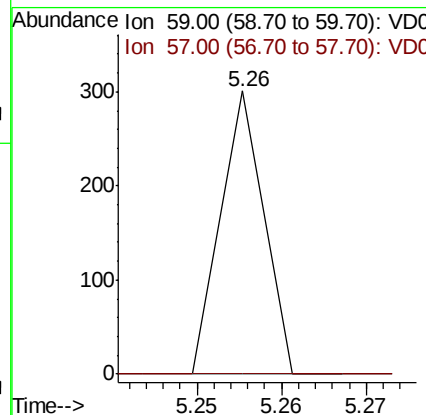
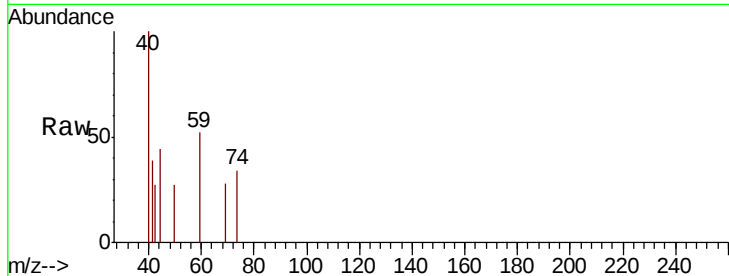




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

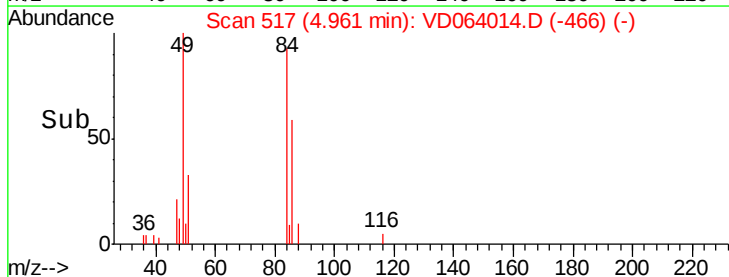
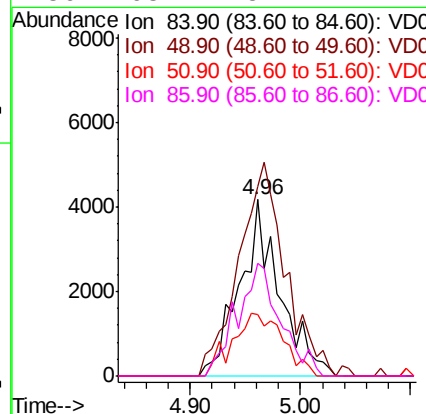
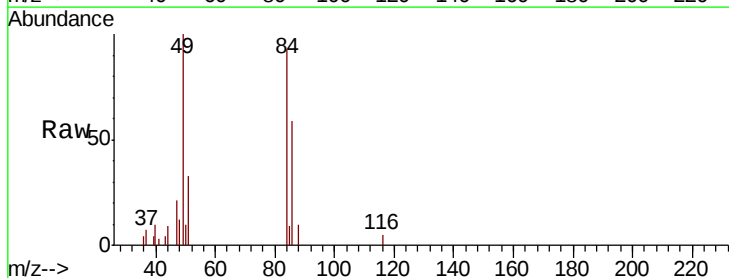
Instrument :
MSVOA_D
ClientSampleId :

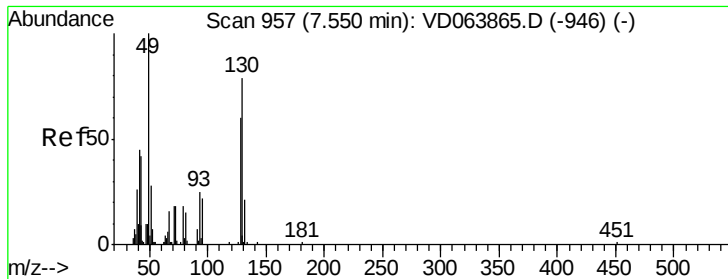
Tot Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#20
Methylene Chloride
Concen: 3.588 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

Tgt Ion: 84 Resp: 10545
Ion Ratio Lower Upper
84 100
49 107.3 97.3 145.9
51 35.1 30.1 45.1
86 63.7 51.4 77.2

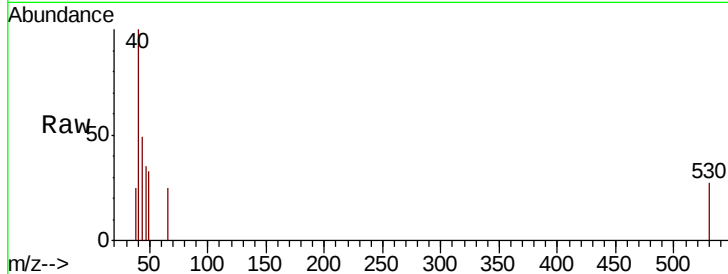




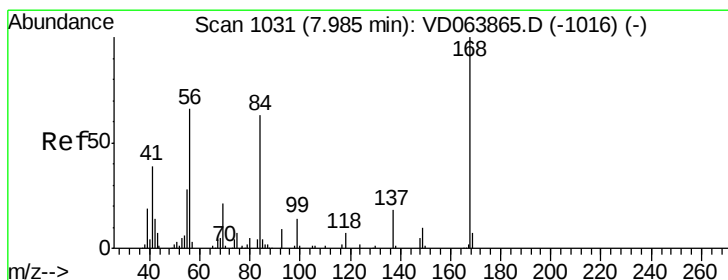
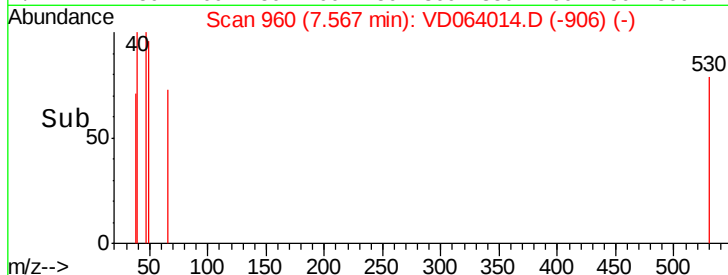
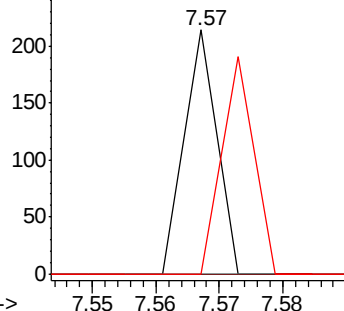
#28
Bromochloromethane
Concen: 1.939 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.02 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 49 Resp: 76
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 88.2 66.8 100.2

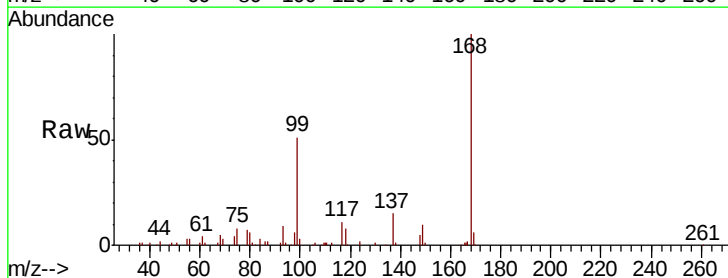


Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

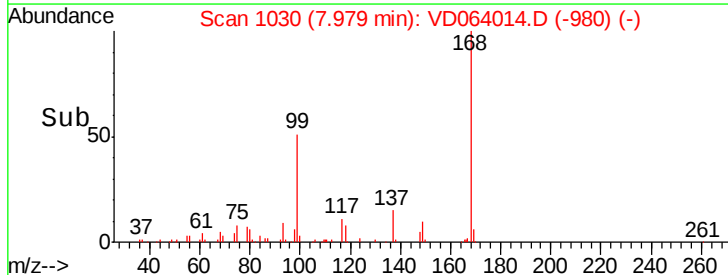
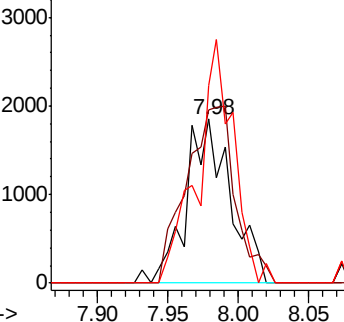


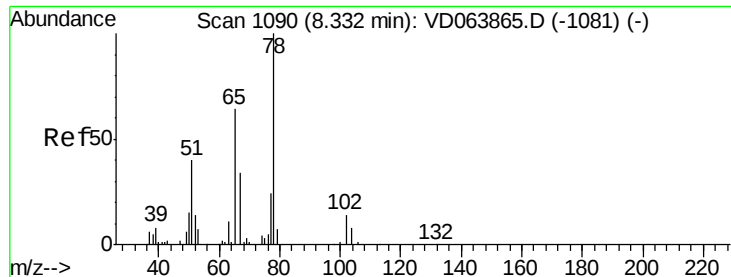
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

Tgt Ion: 56 Resp: 4081
Ion Ratio Lower Upper
56 100
69 105.8 25.0 37.4#
84 120.6 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: 61.794 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064014.D

Acq: 18 Oct 2019 17:23

Instrument :

MSVOA_D

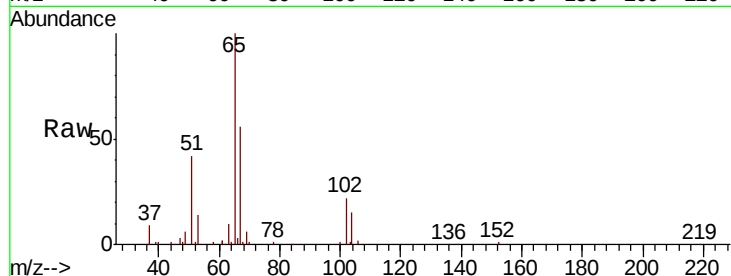
ClientSampleId :

Tot Ion: 65 Resp: 88378

Ion Ratio Lower Upper

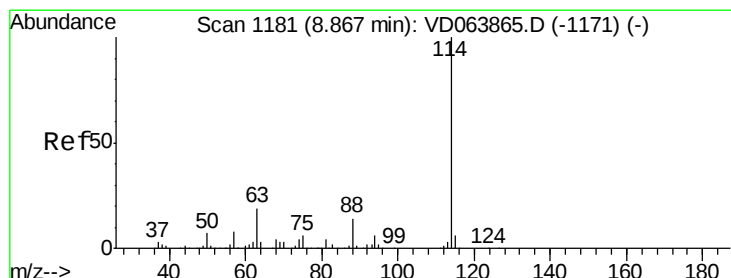
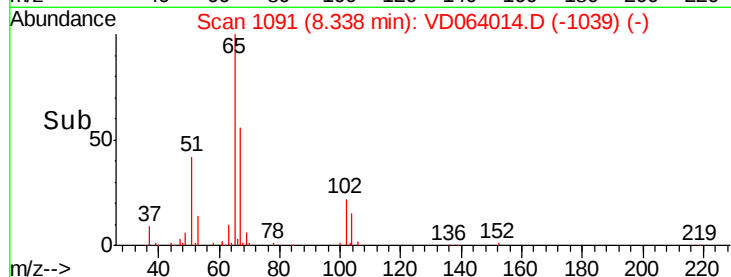
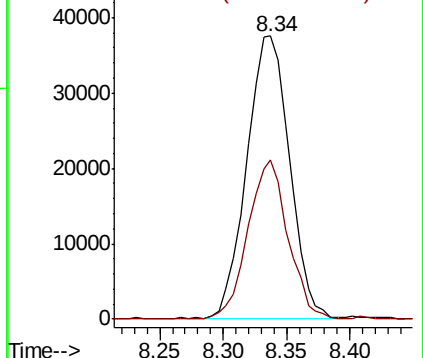
65 100

67 52.4 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: VD064014.D

Acq: 18 Oct 2019 17:23

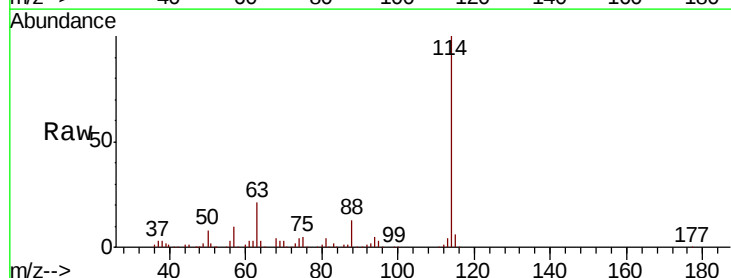
Tgt Ion:114 Resp: 284729

Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.4

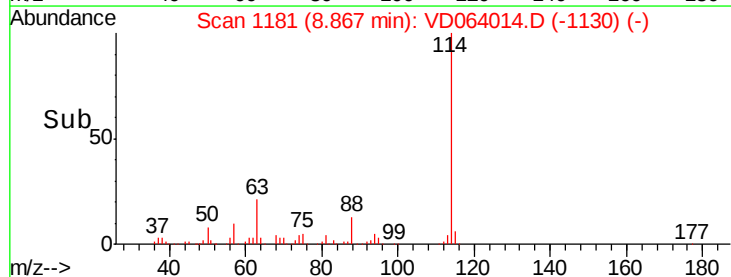
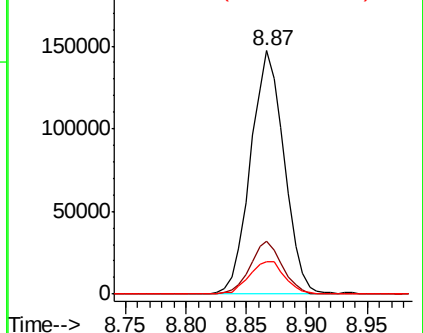
88 13.2 0.0 27.4

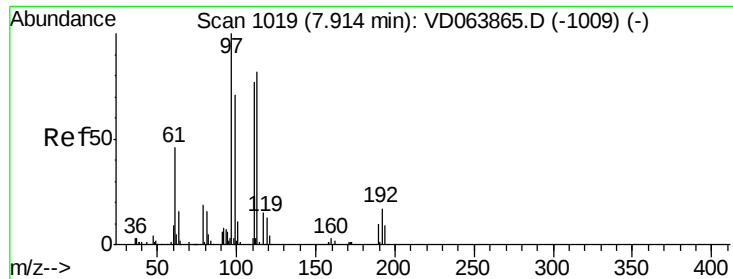


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

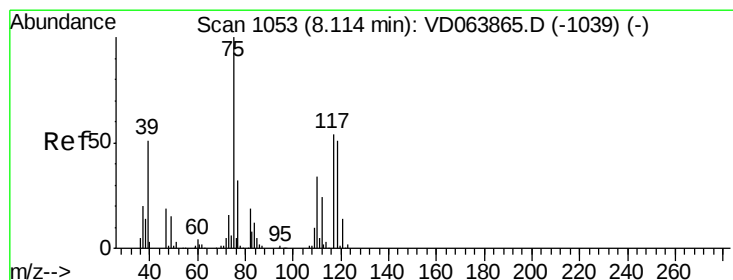
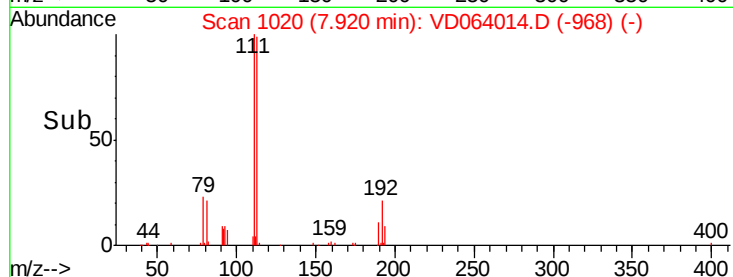
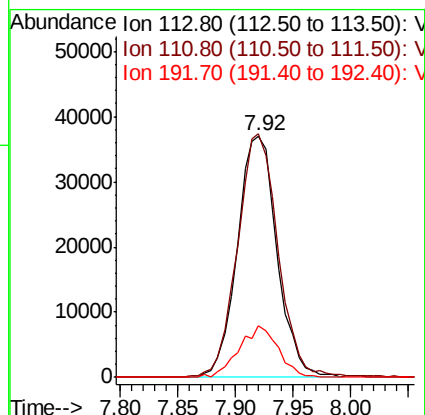
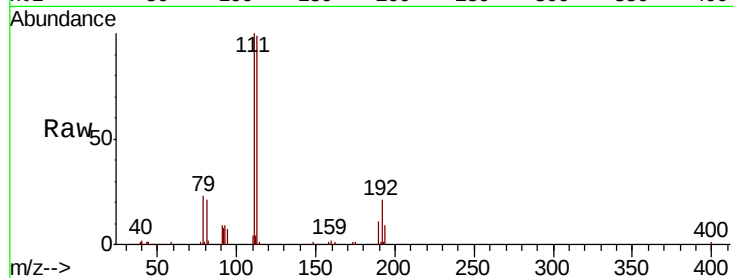




#35
 Dibromofluoromethane
 Concen: 50.855 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064014.D
 Acq: 18 Oct 2019 17:23

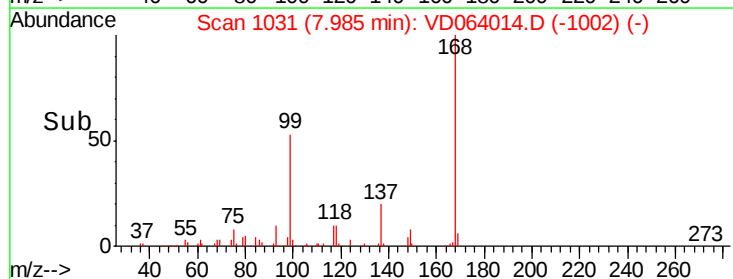
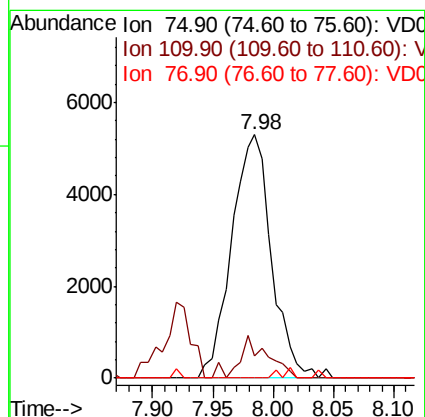
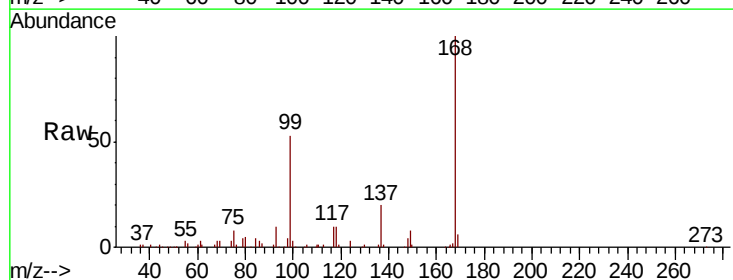
Instrument :
 MSVOA_D
 ClientSampleId :

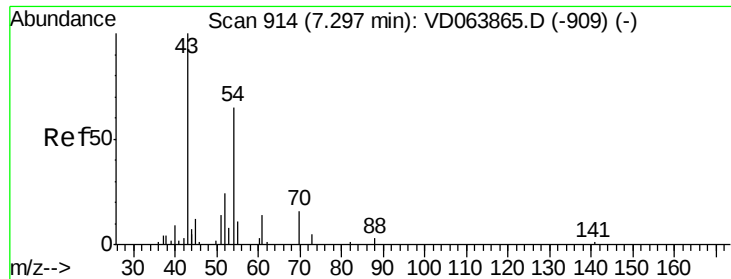
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	20.9	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.685 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064014.D
 Acq: 18 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.4	52.3#
77	0.0	25.4	38.0#

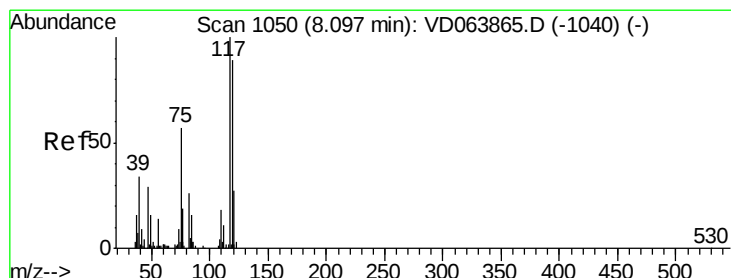
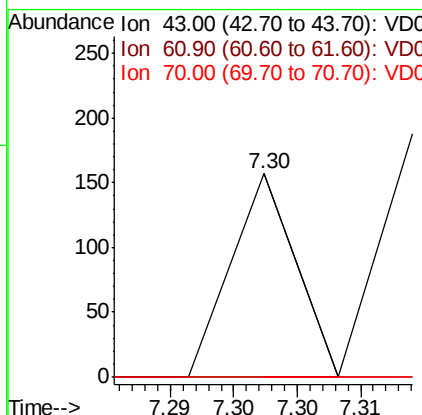
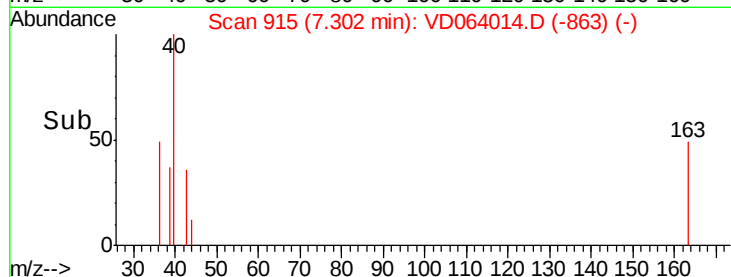
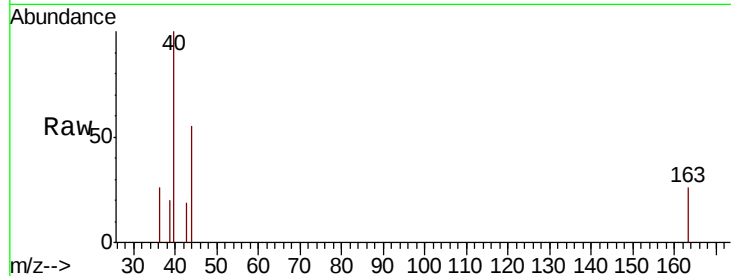




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

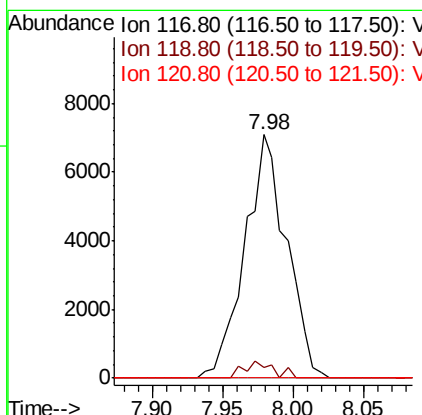
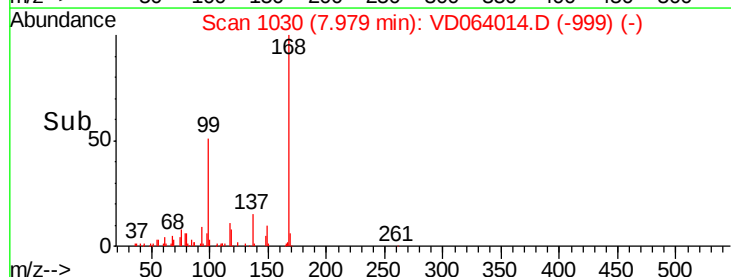
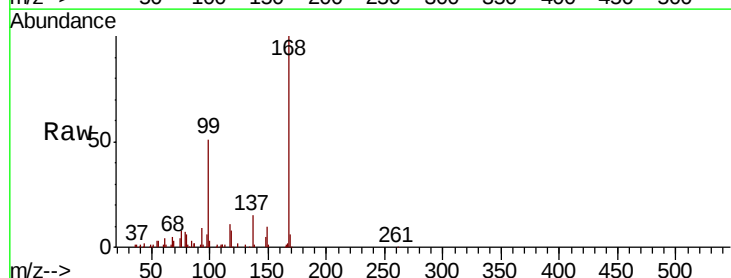
Instrument :
MSVOA_D
ClientSampled :

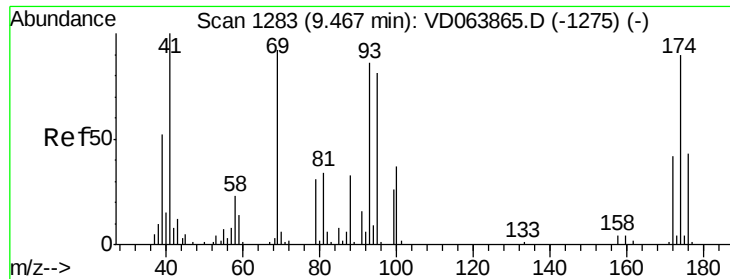
Tot Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
61 212.7 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

Tgt Ion: 117 Resp: 14673
Ion Ratio Lower Upper
117 100
119 4.6 70.8 106.2#
121 0.0 21.4 32.0#

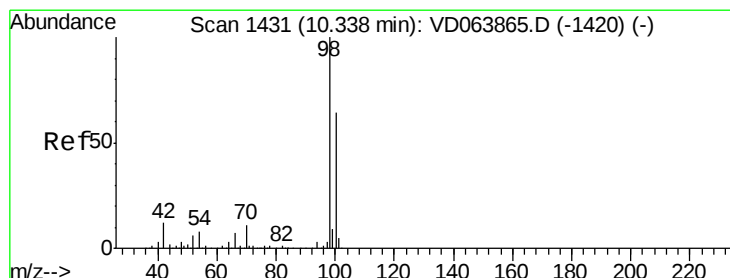
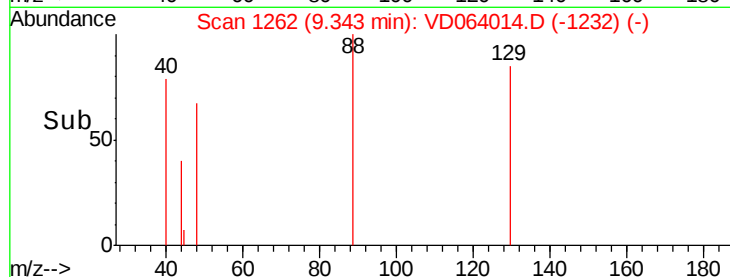
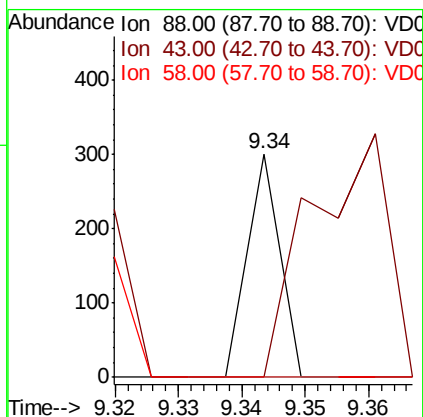
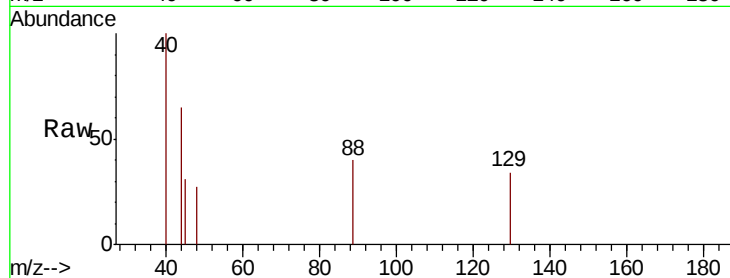




#49
 1,4-Dioxane
 Concen: 7.467 ug/l
 RT: 9.34 min Scan# 1262
 Delta R.T. -0.12 min
 Lab File: VD064014.D
 Acq: 18 Oct 2019 17:23

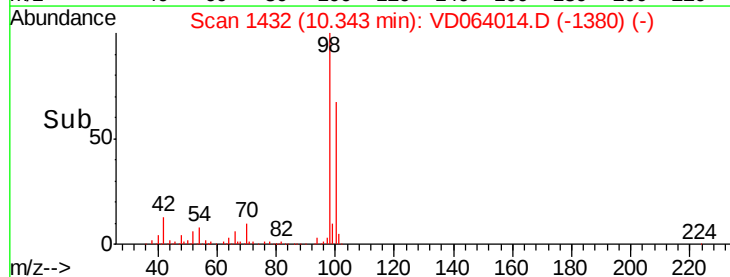
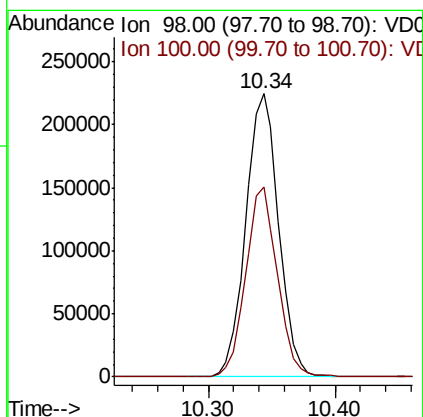
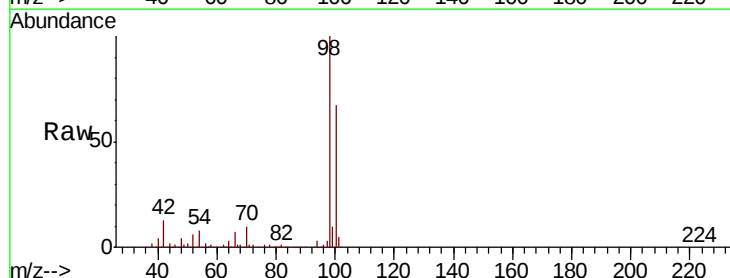
Instrument :
 MSVOA_D
 ClientSampleId :

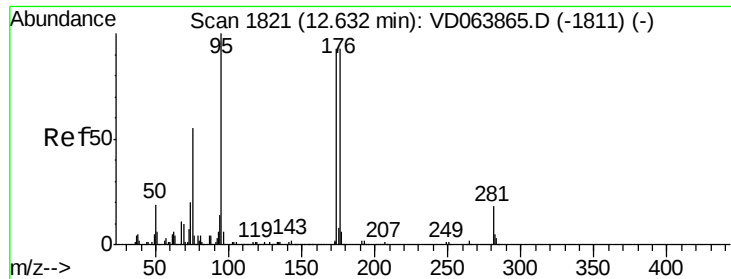
Tot Ion: 88 Resp: 106
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.6 41.4#
 58 0.0 54.1 81.1#



#50
 Toluene-d8
 Concen: 57.307 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064014.D
 Acq: 18 Oct 2019 17:23

Tgt Ion: 98 Resp: 404742
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.1 78.1

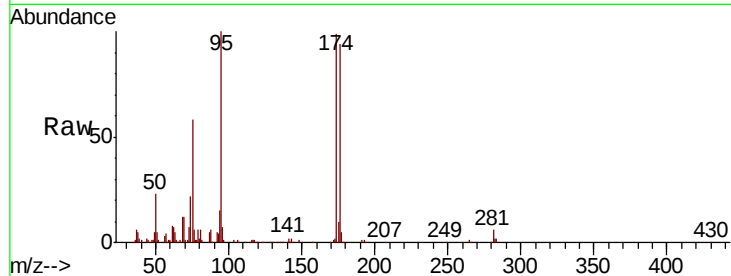




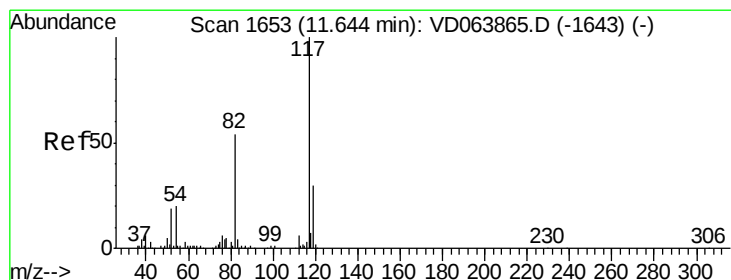
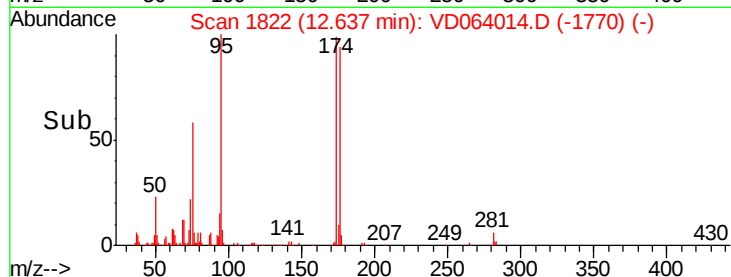
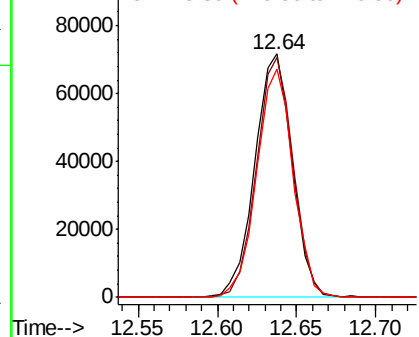
#62
4-Bromofluorobenzene
Concen: 47.913 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	186.4
176	91.4	0.0	184.2

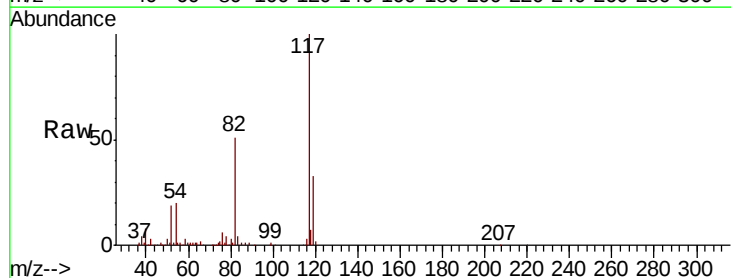


Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

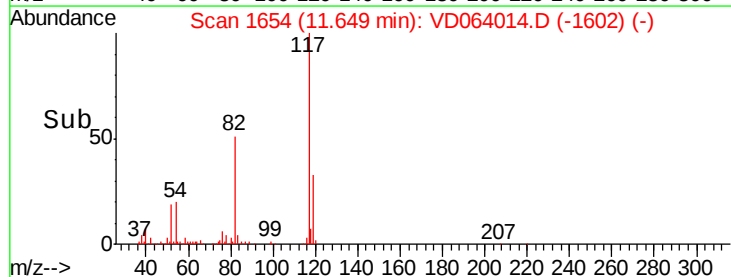
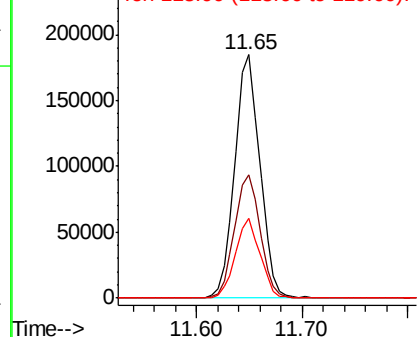


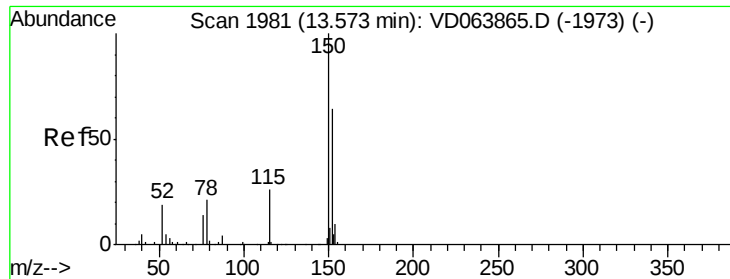
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064014.D
Acq: 18 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.8	64.2
119	33.0	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: VD064014.D

Acq: 18 Oct 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

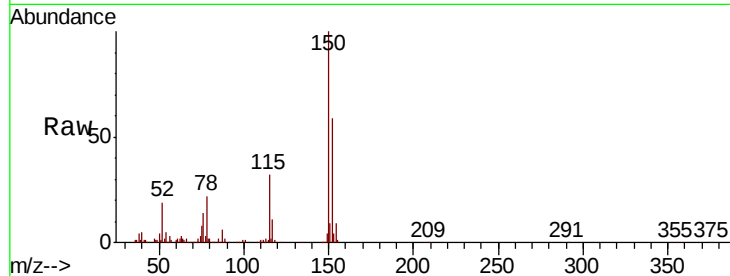
Tot Ion:152 Resp: 137115

Ion Ratio Lower Upper

152 100

115 54.7 25.9 77.7

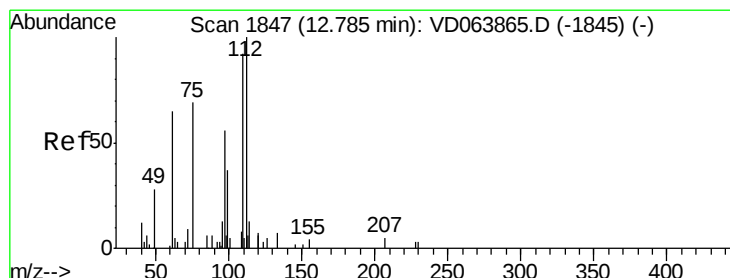
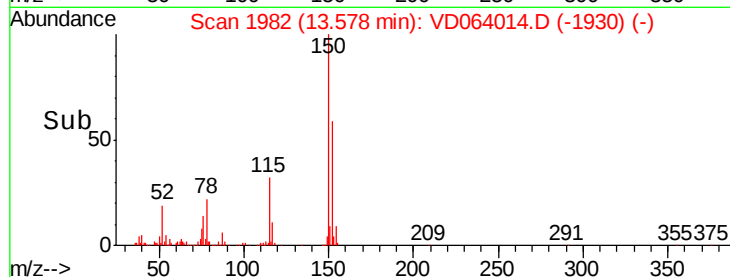
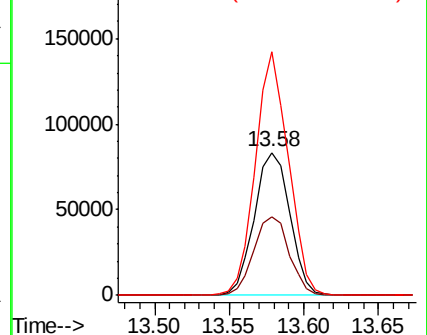
150 158.0 0.0 344.2



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: 71.527 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064014.D

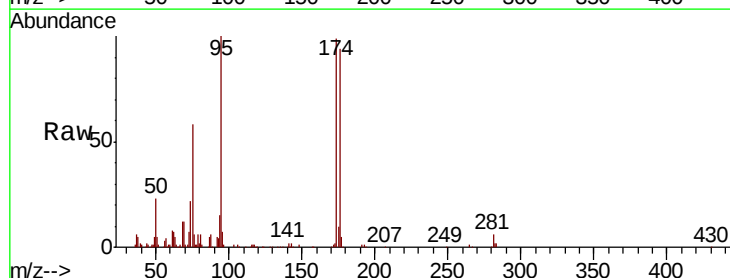
Acq: 18 Oct 2019 17:23

Tgt Ion: 75 Resp: 65687

Ion Ratio Lower Upper

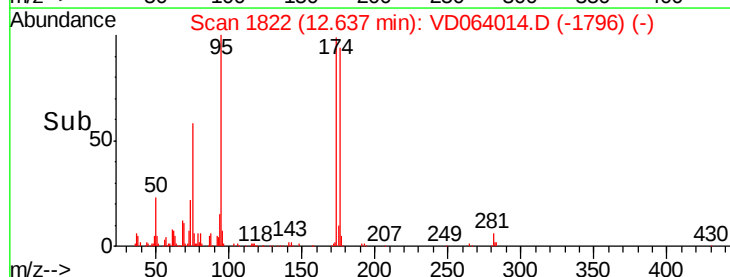
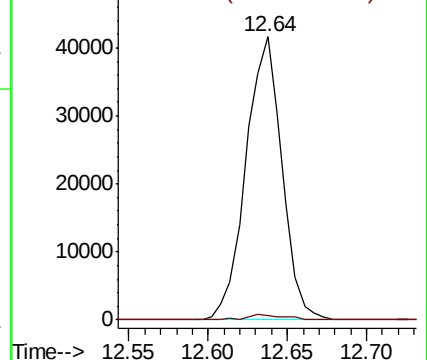
75 100

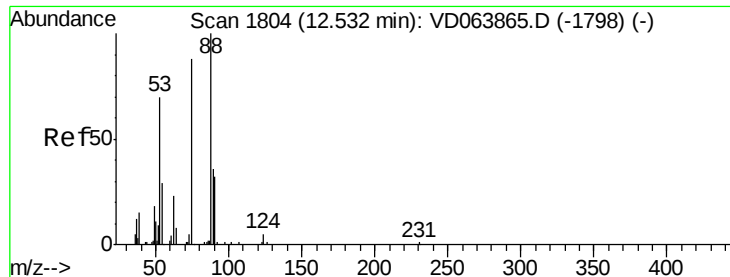
77 1.9 0.0 0.0#



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: 126.573 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064014.D

Acq: 18 Oct 2019 17:23

Instrument :

MSVOA_D

ClientSampled :

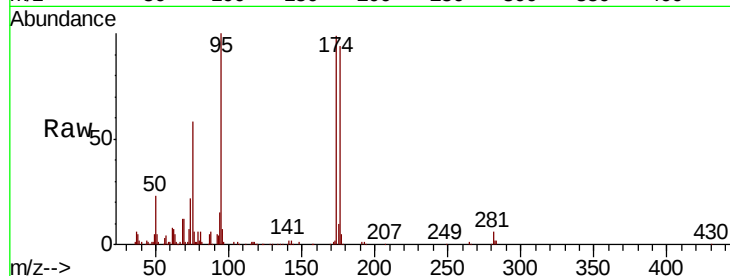
Tot Ion: 75 Resp: 65687

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

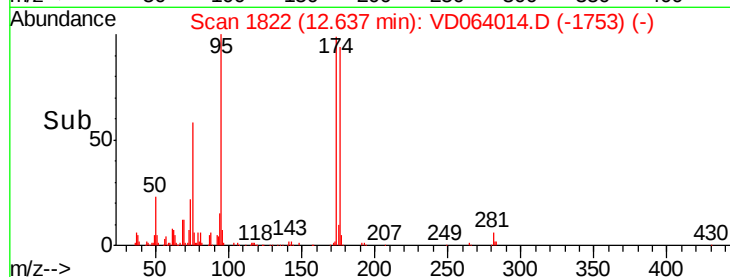
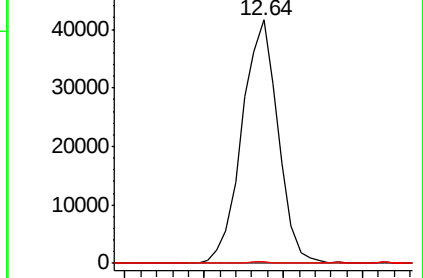
89 0.3 38.2 57.4#



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: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD064014.D

Acq: 18 Oct 2019 17:23

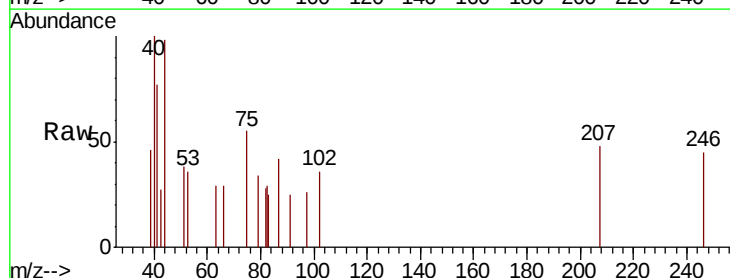
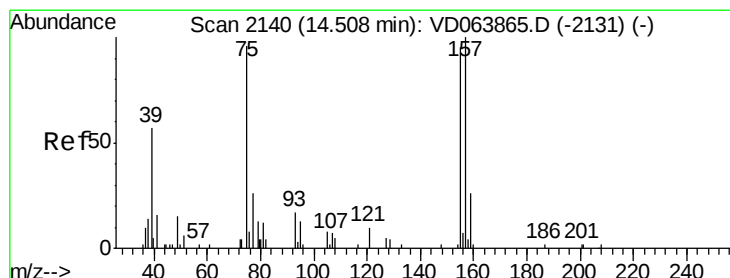
Tgt Ion: 75 Resp: 128

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

