

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064003.D
 Acq On : 18 Oct 2019 11:30
 Operator : VA/SY
 Sample : VD1018SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:36:52 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	194671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	346247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	344270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	167071	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	103833	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
35) Dibromofluoromethane	7.92	113	106784	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.34	98	447053	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.64	95	135573	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

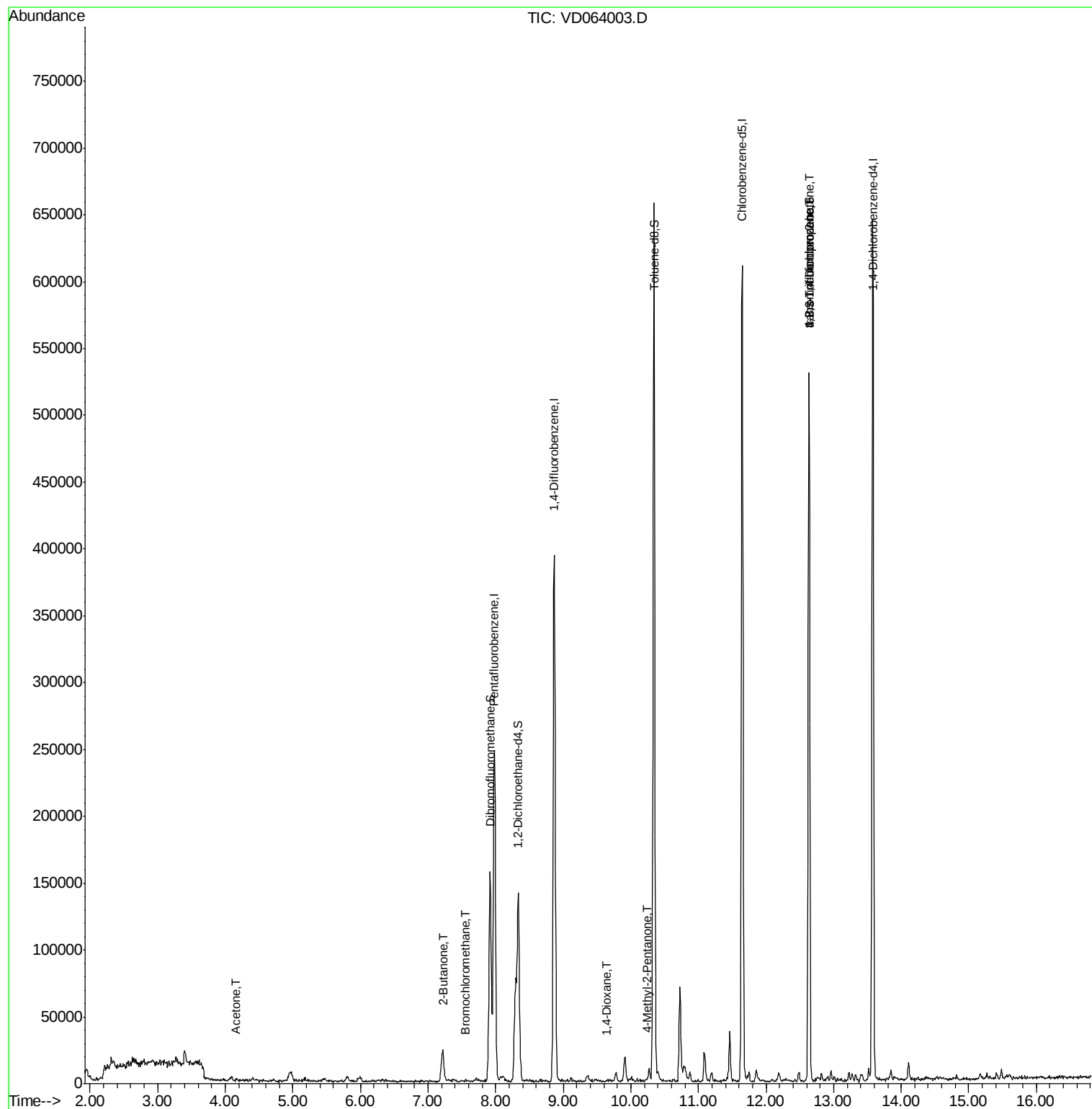
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	1895	Below Cal		93
11) Tert butyl alcohol	5.27	59	126	Below Cal	#	1
16) Acetone	4.16	43	1145	2.320	ug/l #	42
20) Methylene Chloride	4.94	84	5545	Below Cal	#	43
25) 2-Butanone	7.22	43	2024	3.461	ug/l	93
28) Bromochloromethane	7.55	49	110	1.946	ug/l #	10
31) Cyclohexane	7.99	56	5603	Below Cal	#	45
37) Ethyl Acetate	7.30	43	332	Below Cal	#	68
49) 1,4-Dioxane	9.64	88	61	3.534	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	1521	1.105	ug/l #	58
76) 1,2,3-Trichloropropane	12.64	75	75554	67.520	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	75554	119.482	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60	Below Cal	#	1

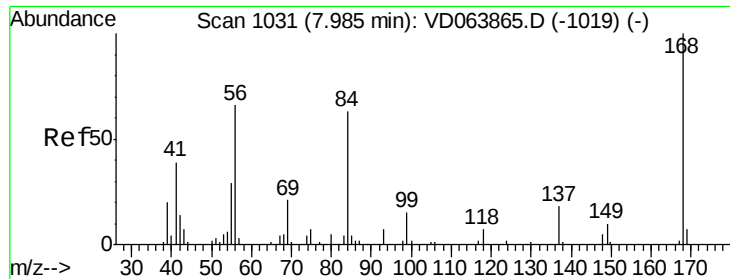
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101819\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064003.D

Acq: 18 Oct 2019 11:30

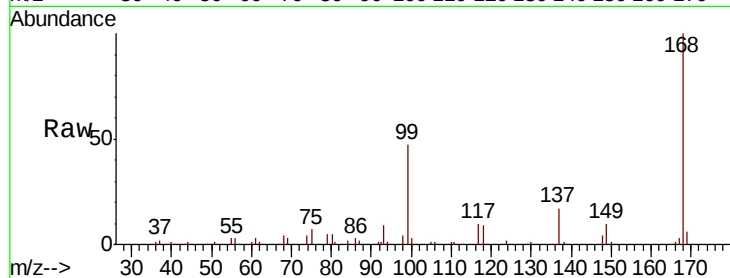
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 194671

Ion Ratio Lower Upper

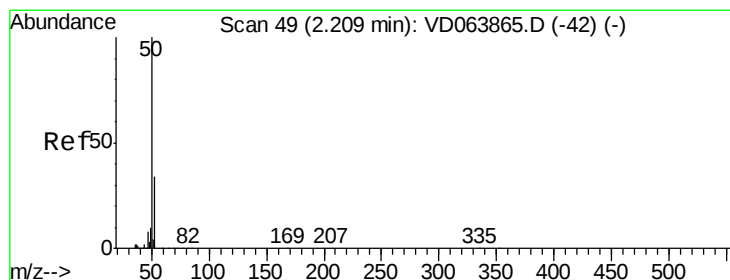
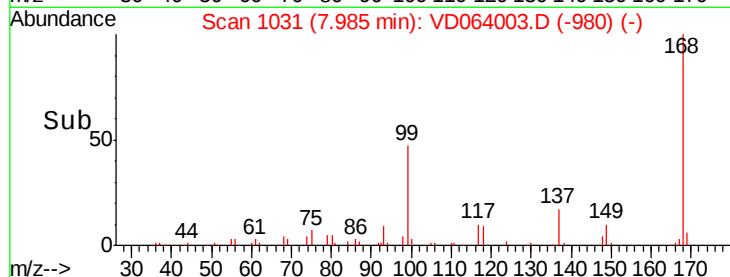
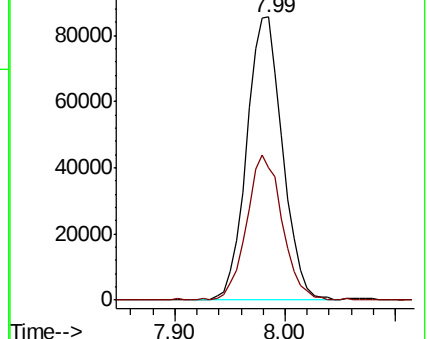
168 100

99 46.9 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: VD064003.D

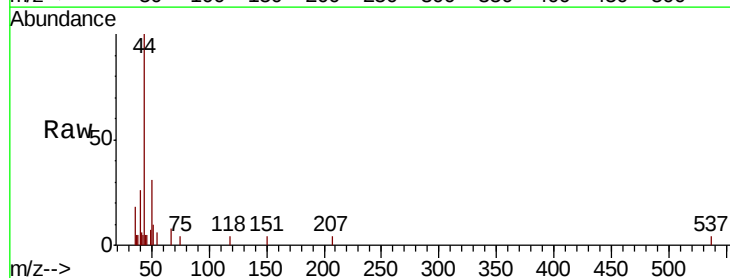
Acq: 18 Oct 2019 11:30

Tgt Ion: 50 Resp: 1895

Ion Ratio Lower Upper

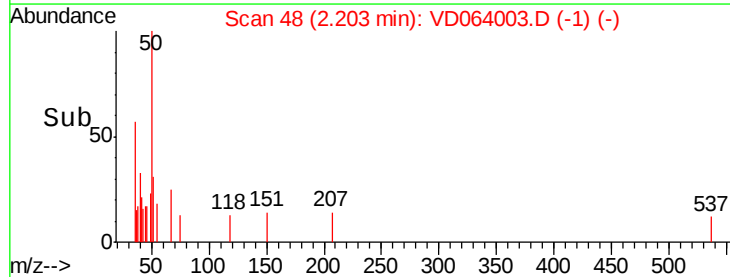
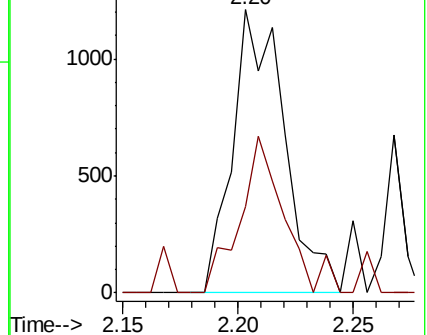
50 100

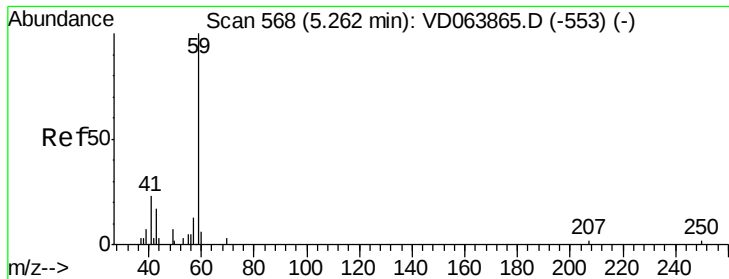
52 30.6 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



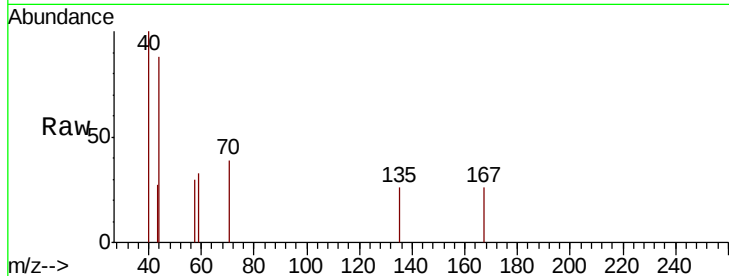


#11

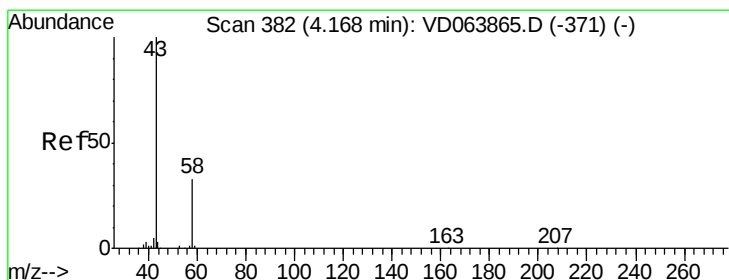
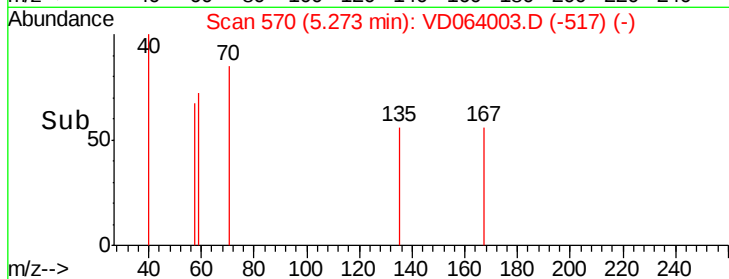
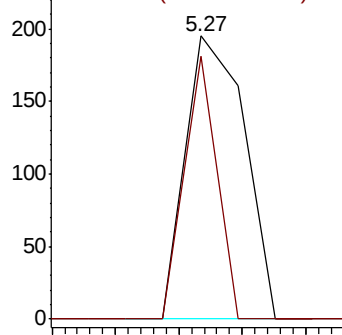
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD064003.D
 Acq: 18 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 126
 Ion Ratio Lower Upper
 59 100
 57 50.8 8.8 13.2#



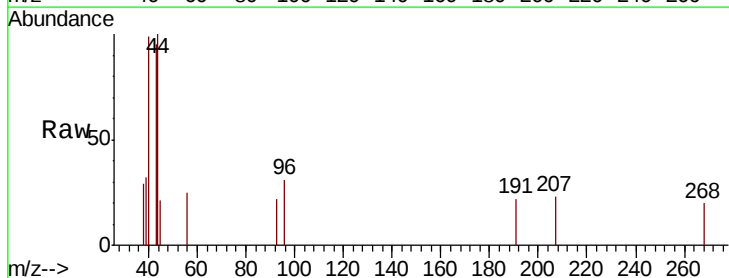
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



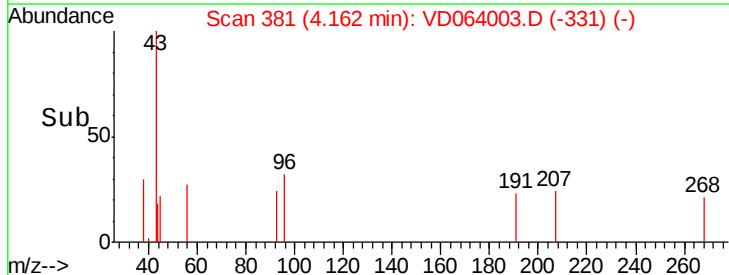
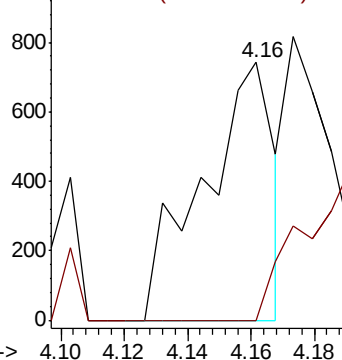
#16

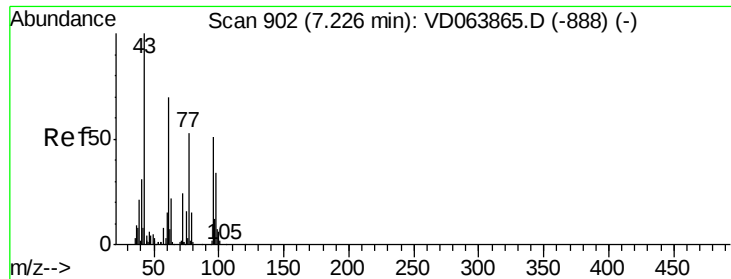
Acetone
 Concen: 2.320 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064003.D
 Acq: 18 Oct 2019 11:30

Tgt Ion: 43 Resp: 1145
 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

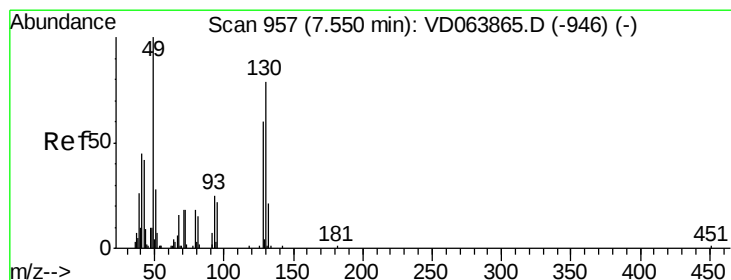
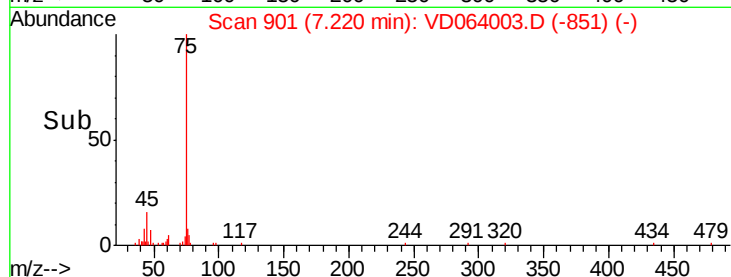
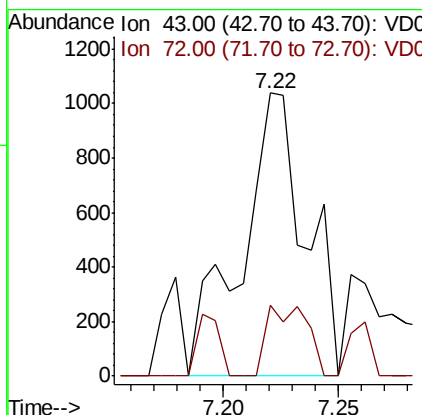
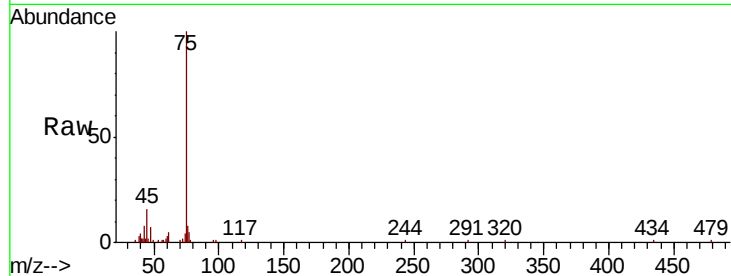




#25
2-Butanone
Concen: 3.461 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

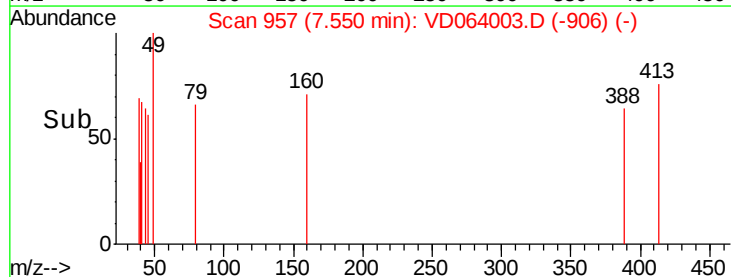
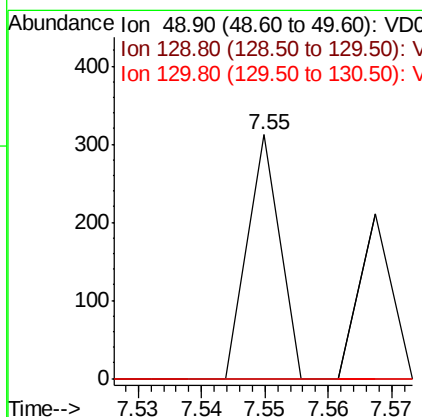
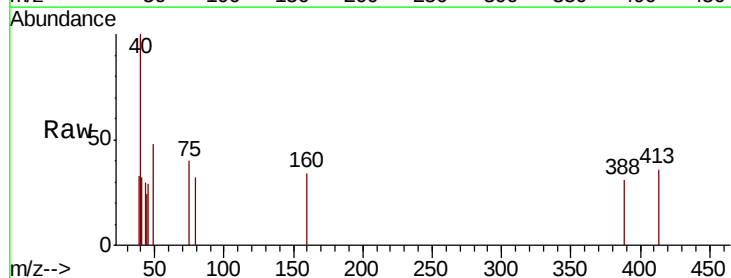
Instrument :
MSVOA_D
ClientSampled :

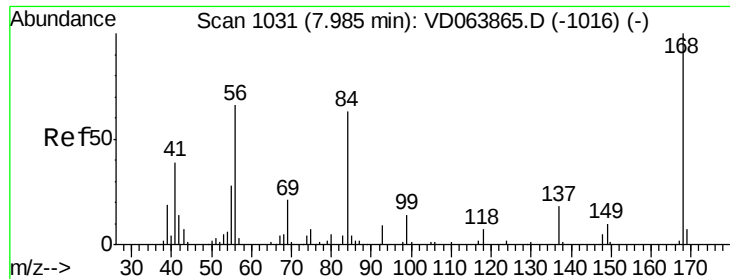
Tot Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
72 20.7 19.2 28.8



#28
Bromochloromethane
Concen: 1.946 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

Tgt Ion: 49 Resp: 110
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

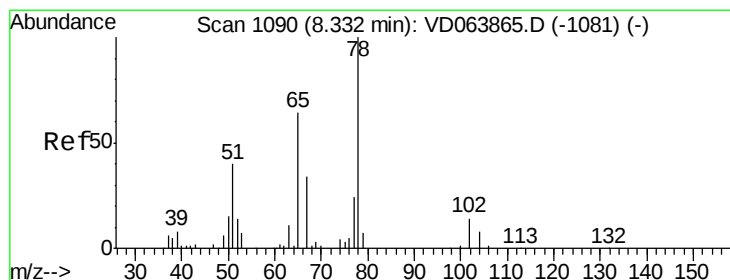
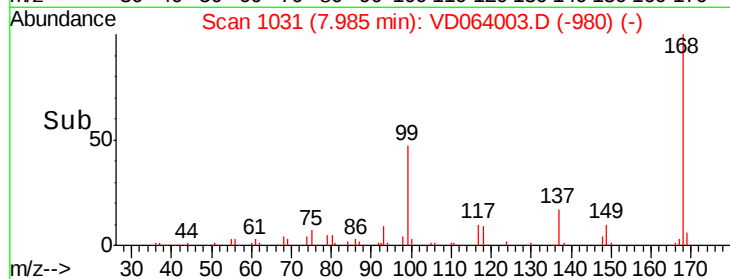
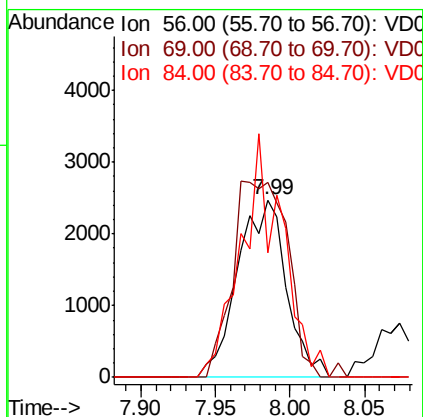
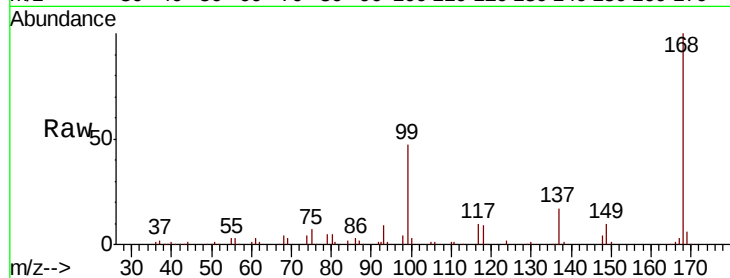




#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

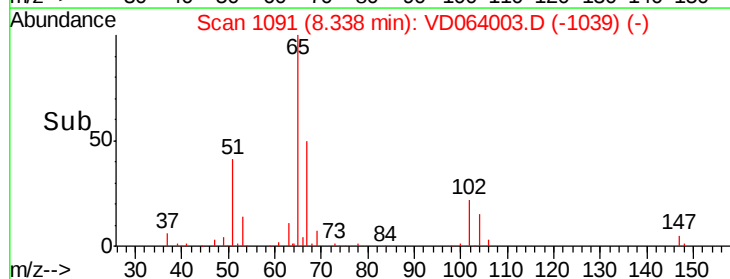
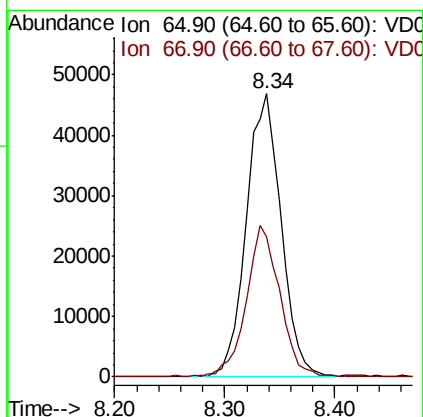
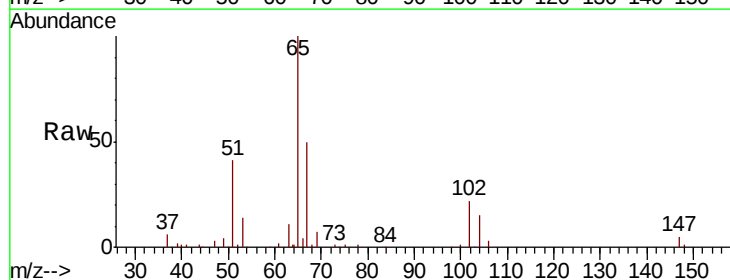
Instrument :
MSVOA_D
ClientSampleId :

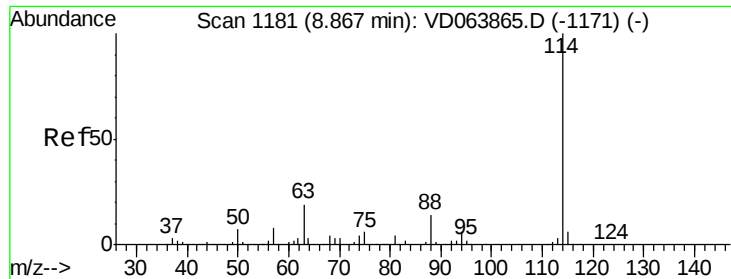
Tot Ion: 56 Resp: 5603
Ion Ratio Lower Upper
56 100
69 110.1 25.0 37.4#
84 70.4 76.3 114.5#



#33
1,2-Dichloroethane-d4
Concen: 54.785 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

Tgt Ion: 65 Resp: 103833
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.4

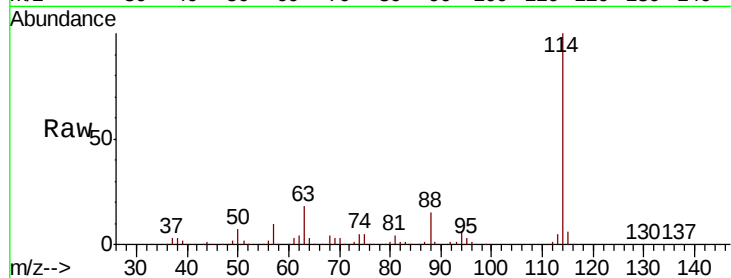




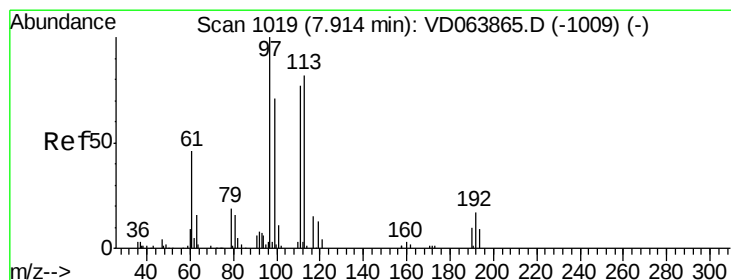
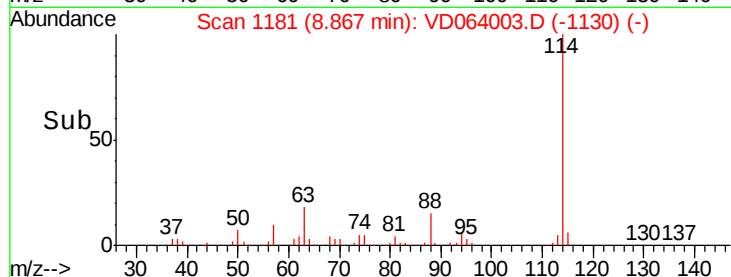
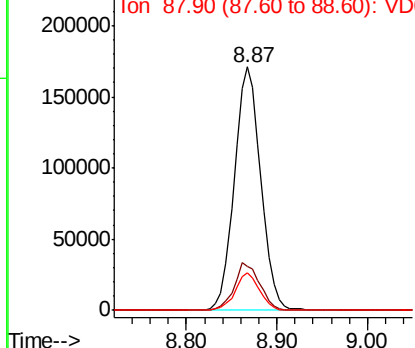
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064003.D
 Acq: 18 Oct 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	15.2	0.0	27.4

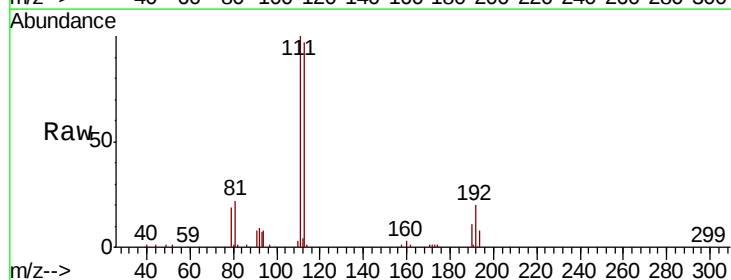


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

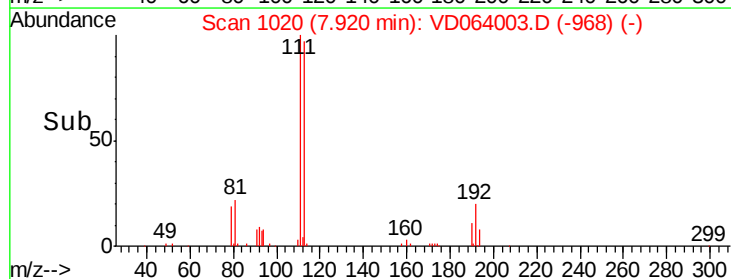
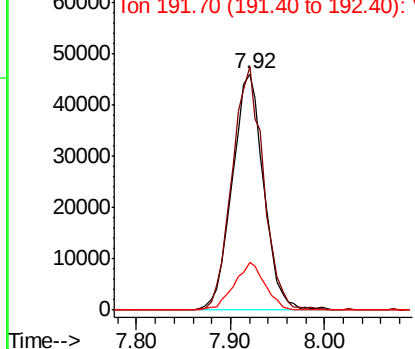


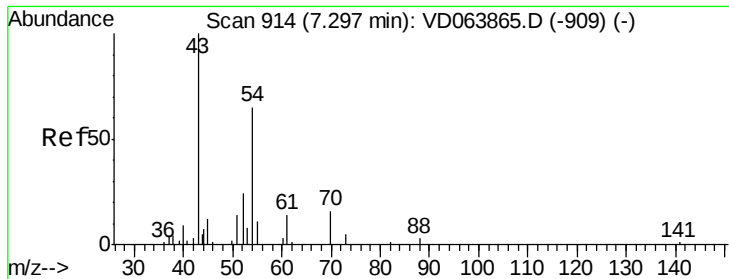
#35
 Dibromofluoromethane
 Concen: 50.465 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064003.D
 Acq: 18 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	20.1	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

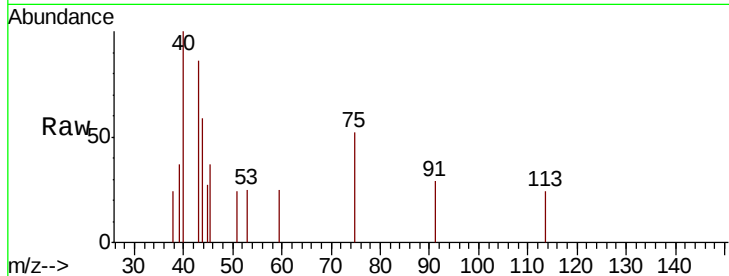




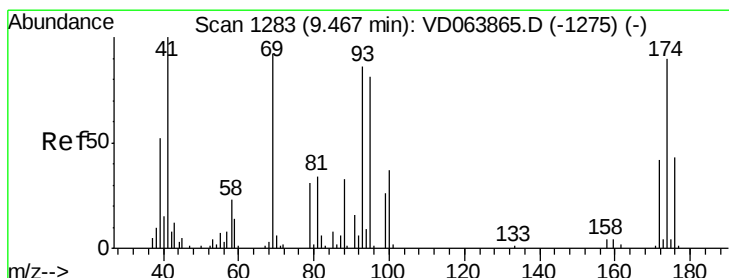
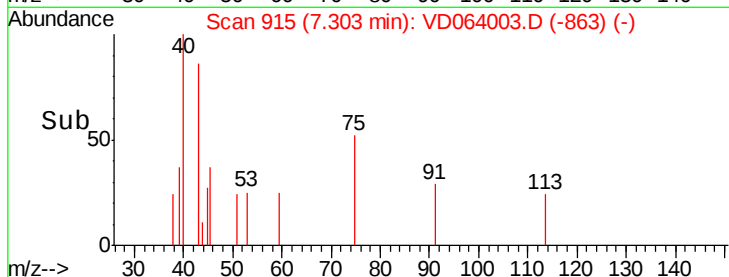
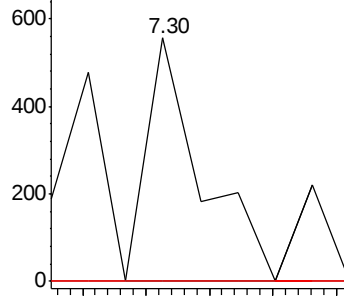
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

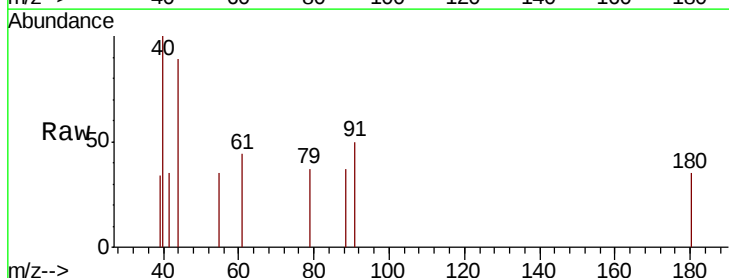


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

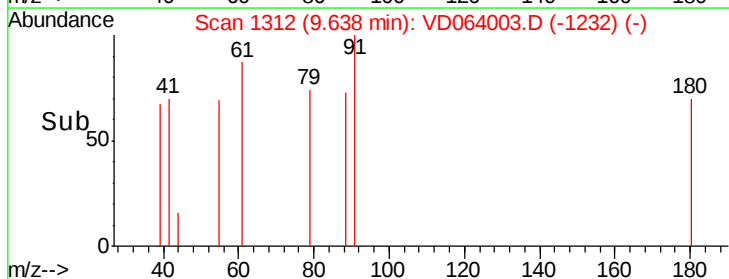
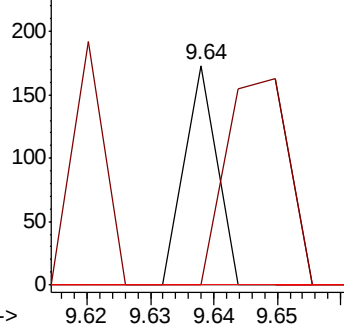


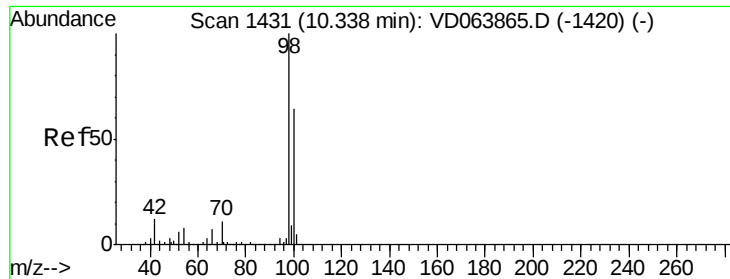
#49
1,4-Dioxane
Concen: 3.534 ug/l
RT: 9.64 min Scan# 1312
Delta R.T. 0.17 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 183.6 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

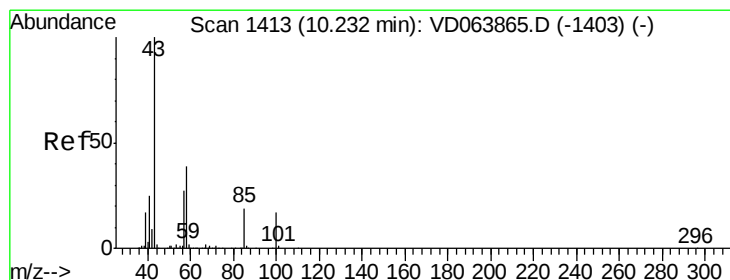
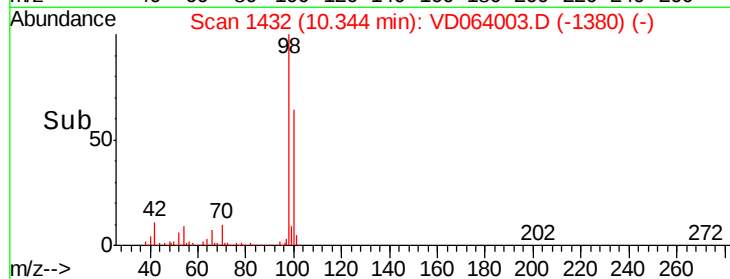
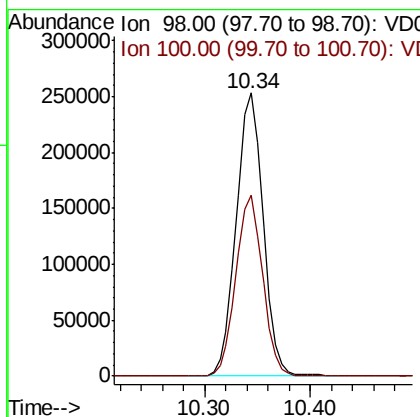
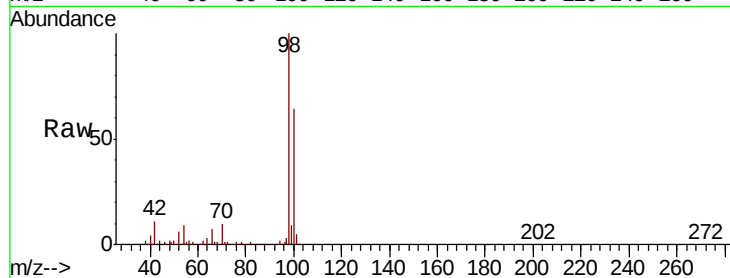




#50
Toluene-d8
Concen: 52.052 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

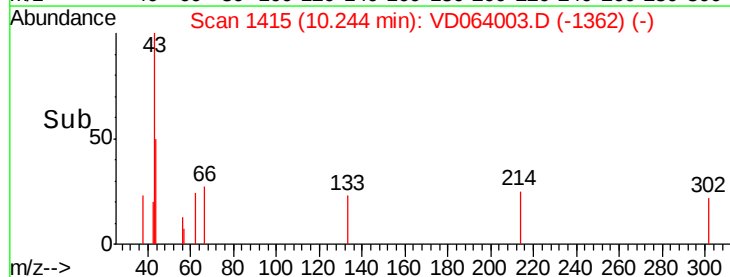
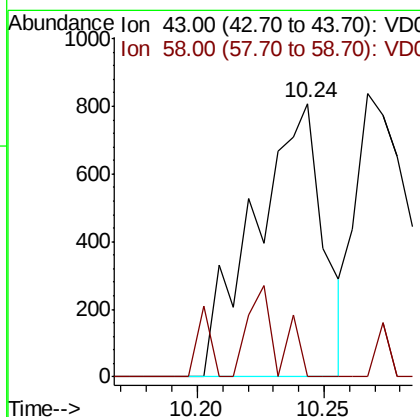
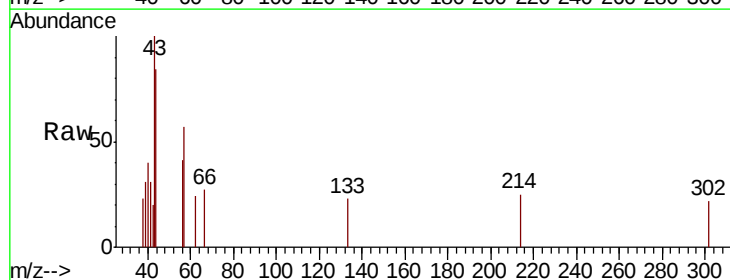
Instrument :
MSVOA_D
ClientSampled :

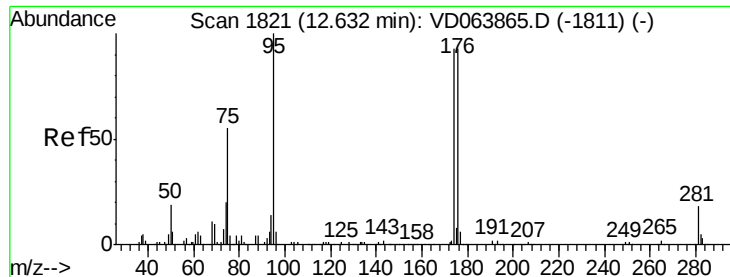
Tot Ion: 98 Resp: 447053
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 10.24 min Scan# 1415
Delta R.T. 0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 14.7 33.0 49.4#

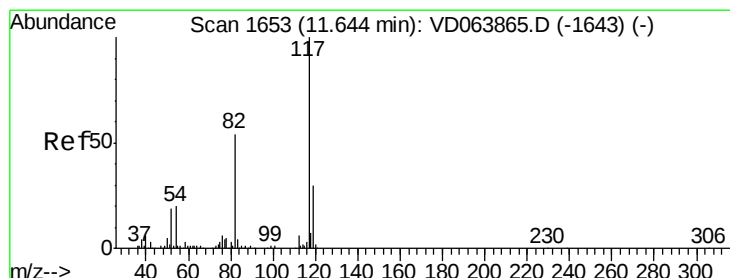
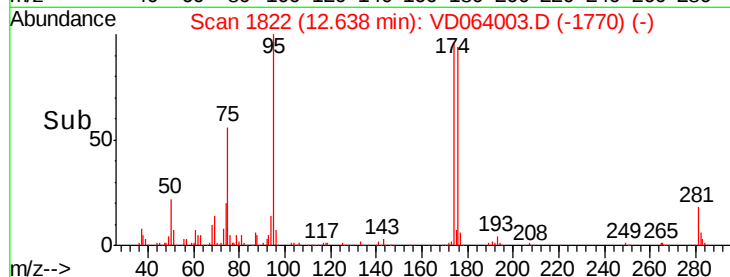
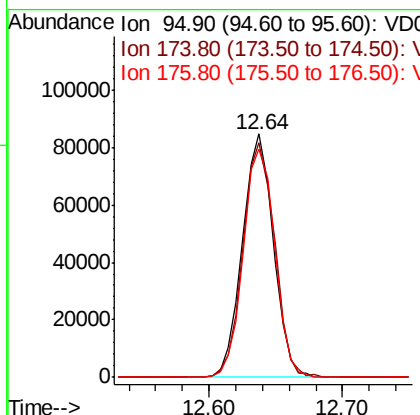
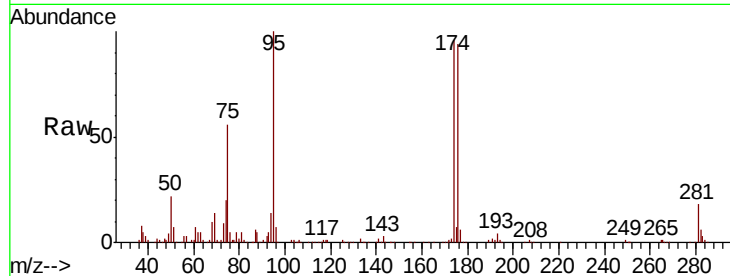




#62
4-Bromofluorobenzene
Concen: 45.425 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

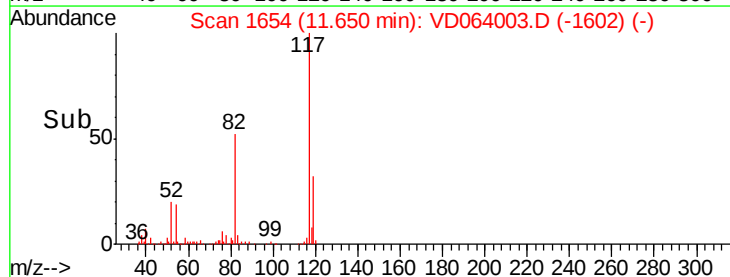
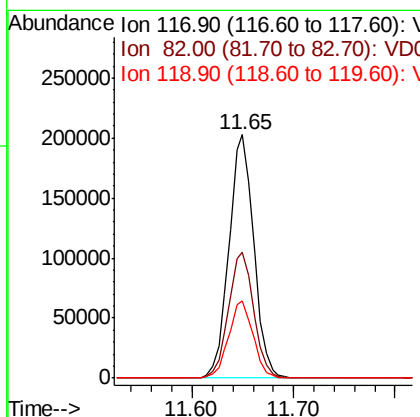
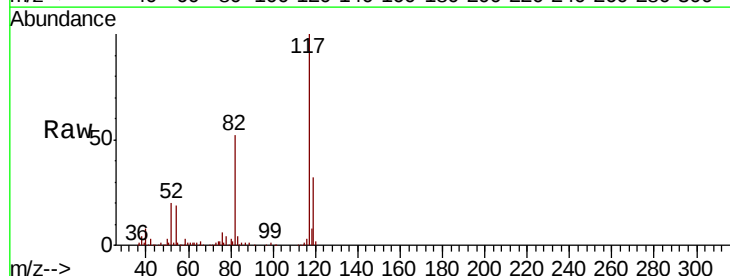
Instrument :
MSVOA_D
ClientSampled :

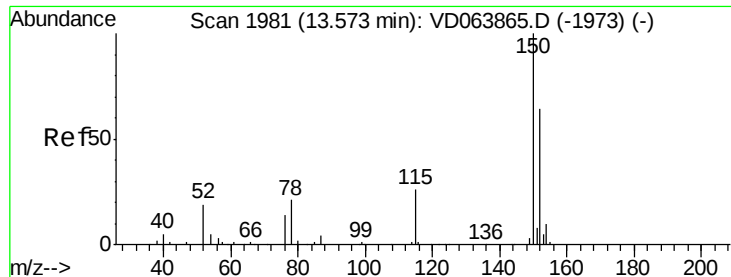
Tot Ion: 95 Resp: 135573
Ion Ratio Lower Upper
95 100
174 98.3 0.0 186.4
176 95.4 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064003.D
Acq: 18 Oct 2019 11:30

Tgt Ion: 117 Resp: 344270
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 31.9 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: VD064003.D

Acq: 18 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampled :

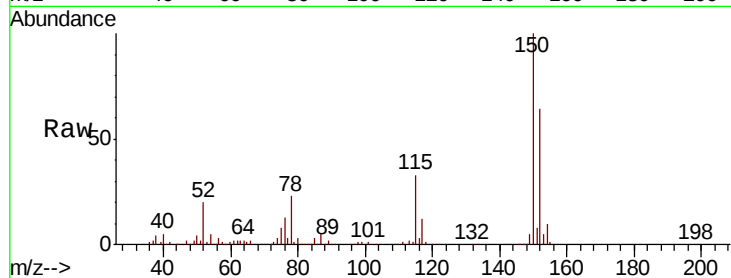
Tot Ion:152 Resp: 167071

Ion Ratio Lower Upper

152 100

115 52.8 25.9 77.7

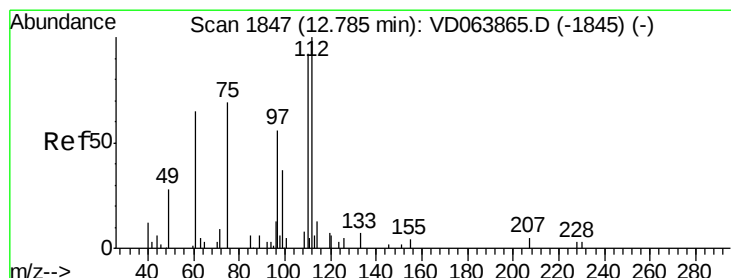
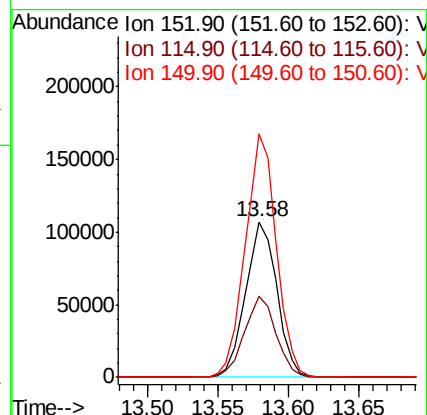
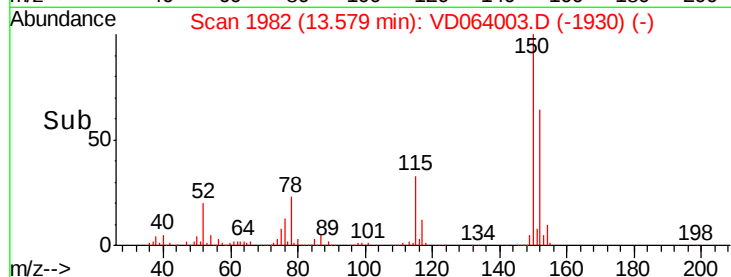
150 154.8 0.0 344.2



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: 67.520 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064003.D

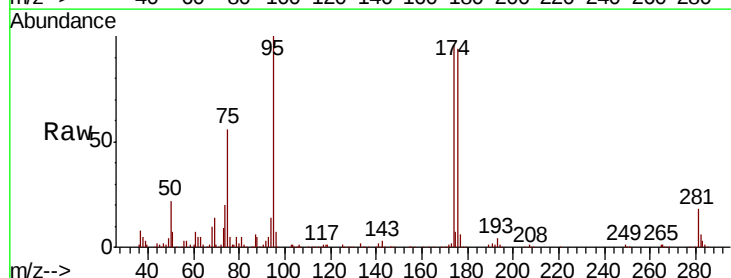
Acq: 18 Oct 2019 11:30

Tgt Ion: 75 Resp: 75554

Ion Ratio Lower Upper

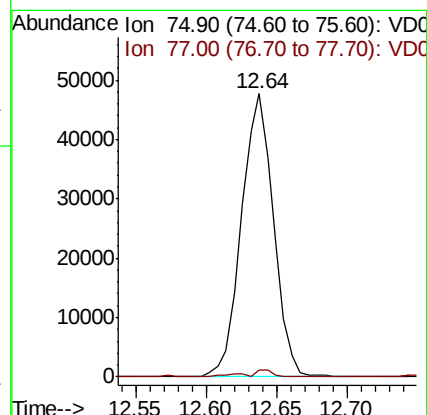
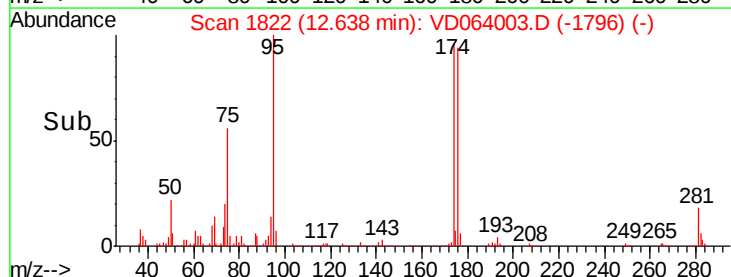
75 100

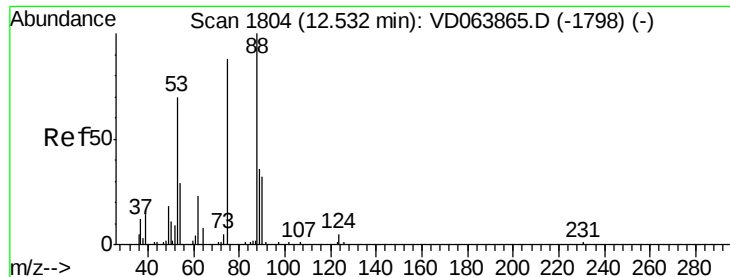
77 1.1 0.0 0.0#



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: 119.482 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064003.D

Acq: 18 Oct 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

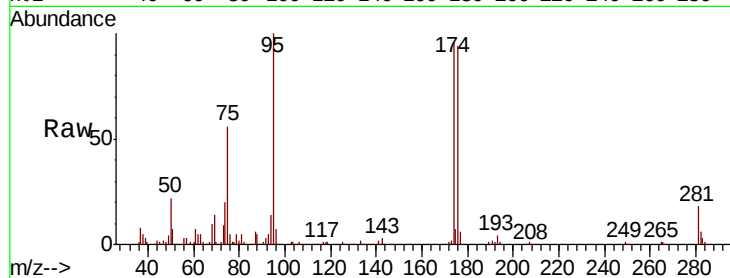
Tot Ion: 75 Resp: 75554

Ion Ratio Lower Upper

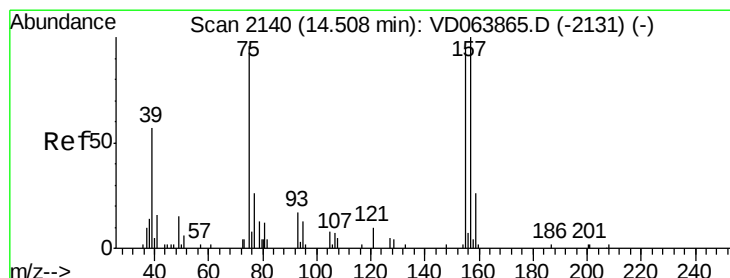
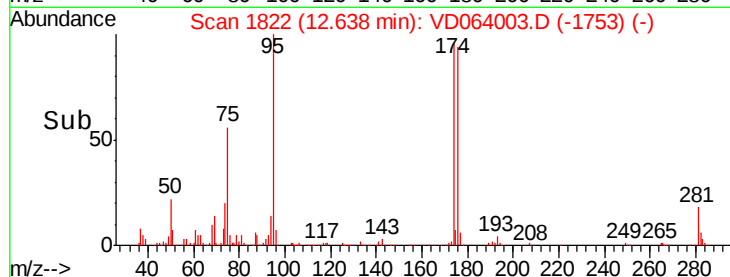
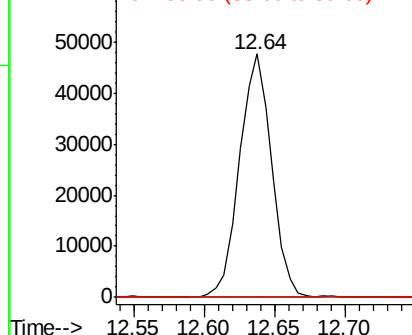
75 100

53 0.1 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: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064003.D

Acq: 18 Oct 2019 11:30

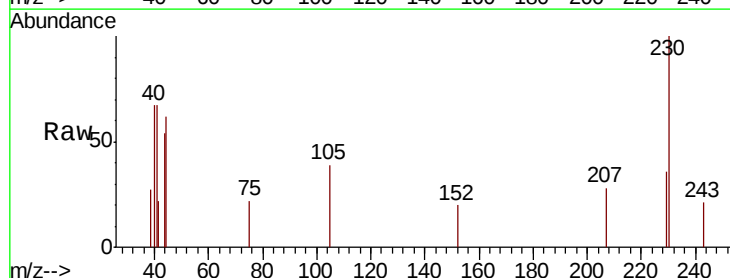
Tgt Ion: 75 Resp: 60

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

