

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064066.D
 Acq On : 25 Oct 2019 15:37
 Operator : VA/SY
 Sample : K5540-20
 Misc : 9.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:05:11 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	118783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	216690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	230877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	109703	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	74951	64.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	129.62%	
35) Dibromofluoromethane	7.92	113	69807	52.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.42%	
50) Toluene-d8	10.34	98	288396	53.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.64	95	91619	49.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.10%	

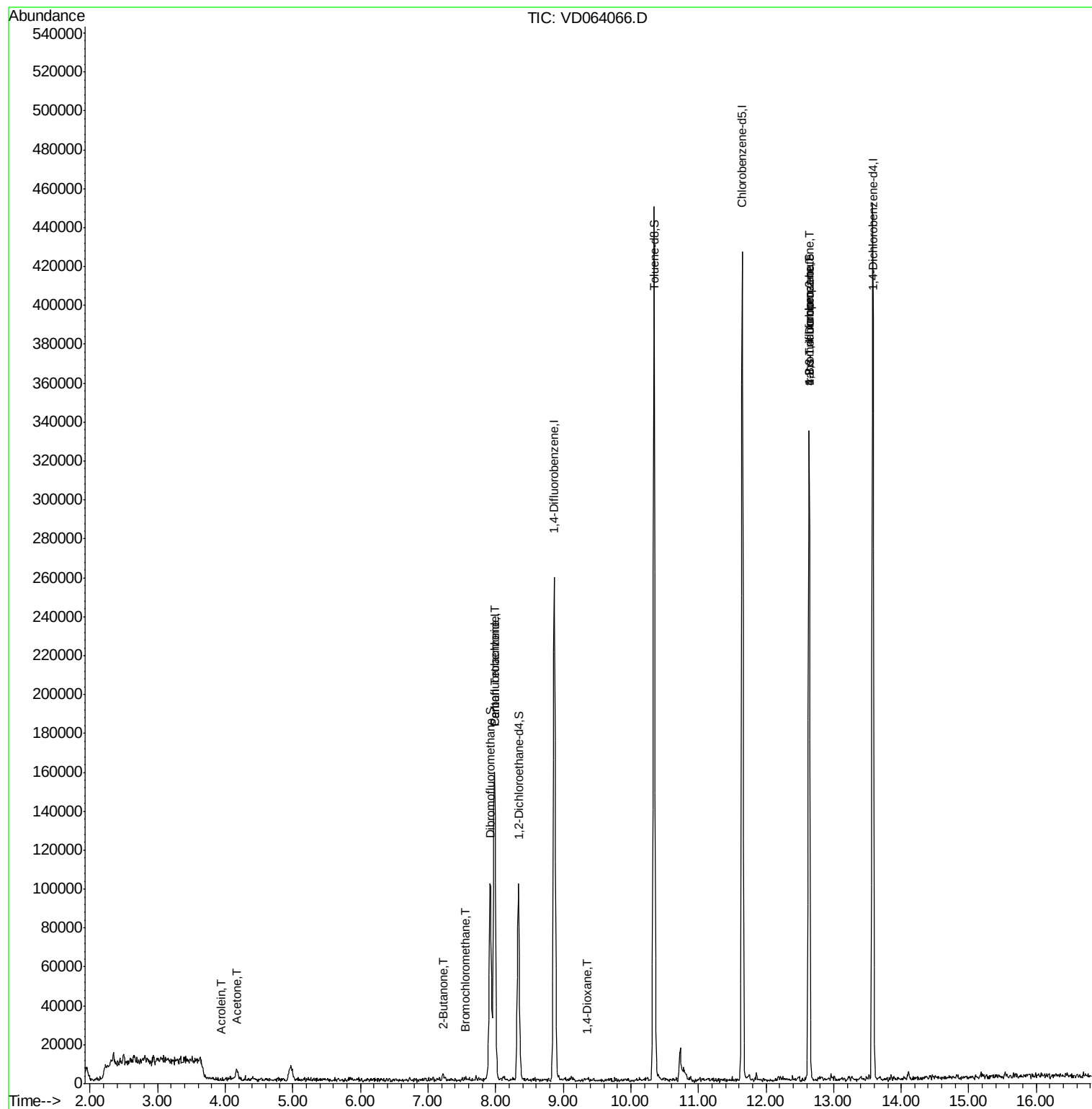
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	668	Below Cal	#	1
11) Tert butyl alcohol	5.21	59	64	Below Cal	#	1
13) Acrolein	3.93	56	143	1.384	ug/l #	17
16) Acetone	4.17	43	9154	30.403	ug/l #	72
25) 2-Butanone	7.22	43	3396	9.517	ug/l #	84
28) Bromochloromethane	7.56	49	142	2.037	ug/l #	10
31) Cyclohexane	7.97	56	3495	Below Cal	#	59
37) Ethyl Acetate	7.32	43	120	Below Cal	#	1
38) Carbon Tetrachloride	7.98	117	11582	5.785	ug/l #	20
49) 1,4-Dioxane	9.36	88	66	6.109	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	51606	70.235	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	51606	124.288	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.43	75	222	Below Cal	#	1

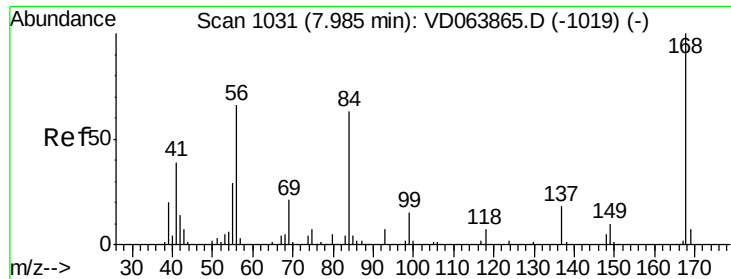
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
Data File : VD064066.D
Acq On : 25 Oct 2019 15:37
Operator : VA/SY
Sample : K5540-20
Misc : 9.57G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 26 00:05:11 2019
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: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

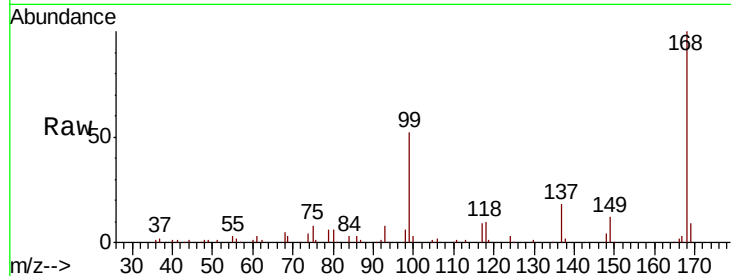
ClientSampleId :

Tot Ion:168 Resp: 118783

Ion Ratio Lower Upper

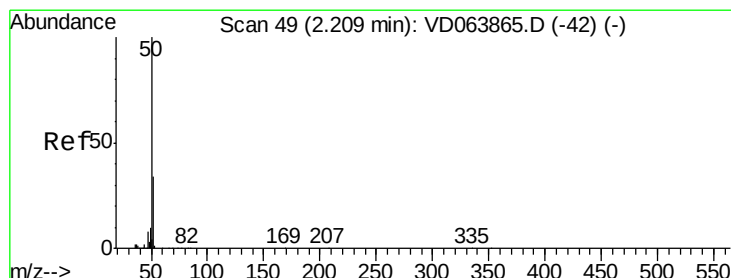
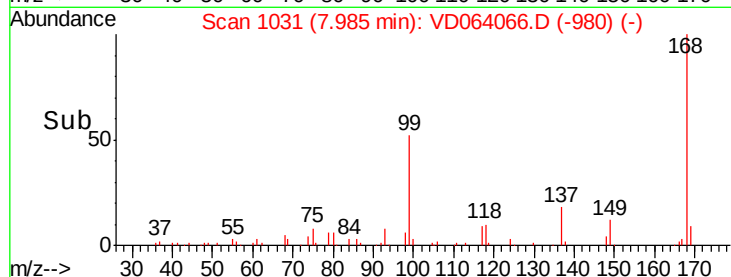
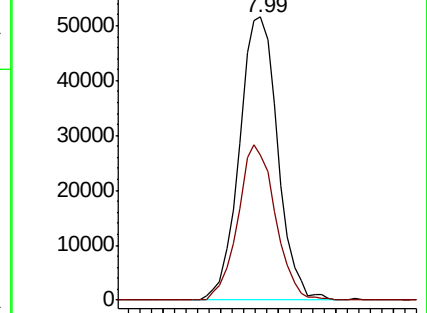
168 100

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



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064066.D

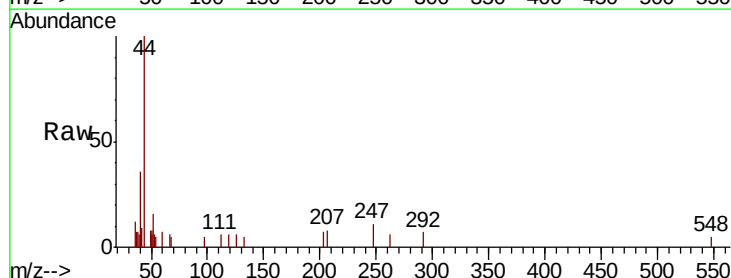
Acq: 25 Oct 2019 15:37

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

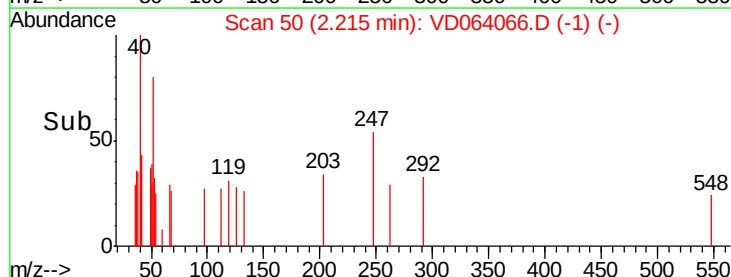
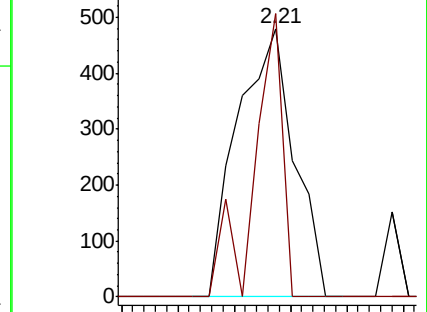
50 100

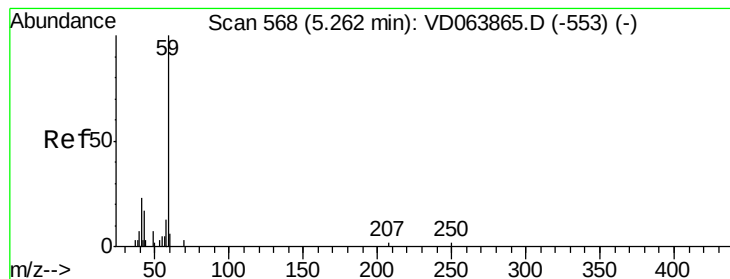
52 105.4 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



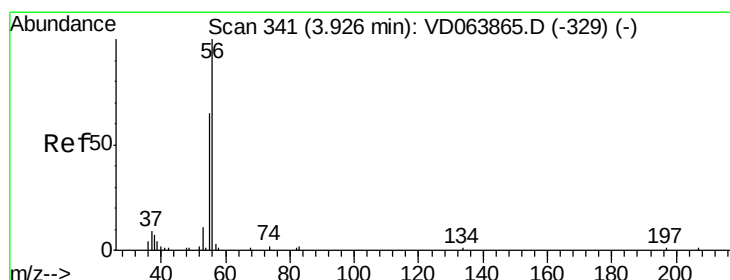
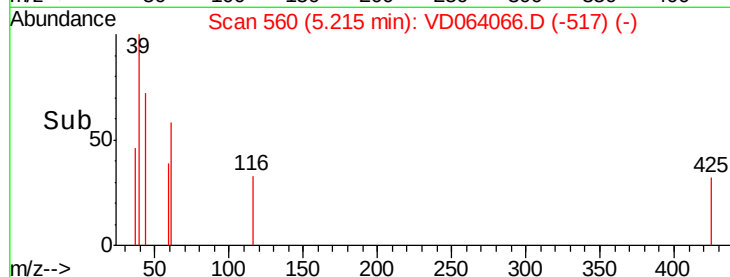
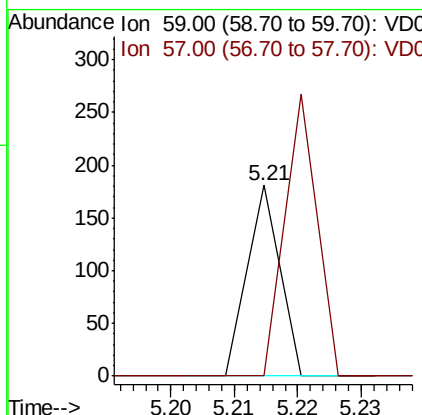
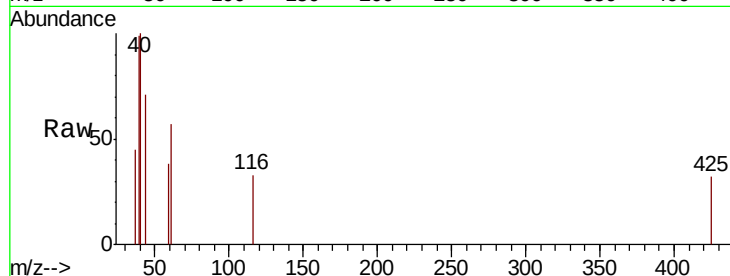


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.05 min
 Lab File: VD064066.D
 Acq: 25 Oct 2019 15:37

Instrument :
 MSVOA_D
 ClientSampled :

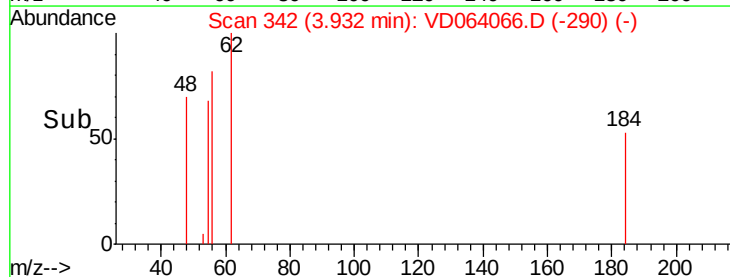
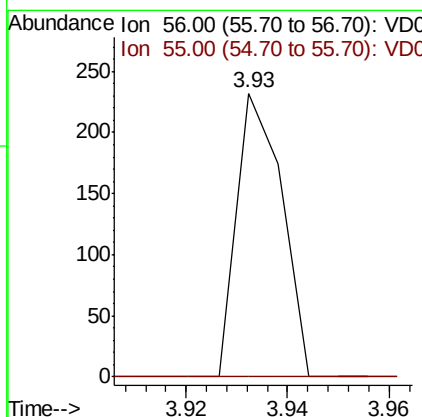
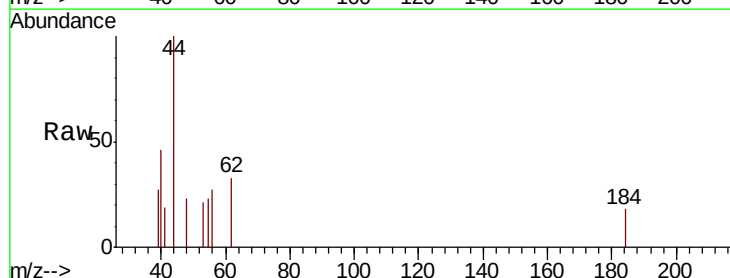
Tot Ion: 59 Resp: 64
 Ion Ratio Lower Upper
 59 100
 57 148.4 8.8 13.2#

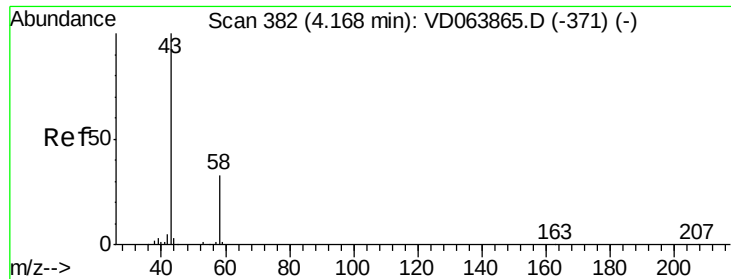


#13

Acrolein
 Concen: 1.384 ug/l
 RT: 3.93 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VD064066.D
 Acq: 25 Oct 2019 15:37

Tgt Ion: 56 Resp: 143
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#





#16

Acetone

Concen: 30.403 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

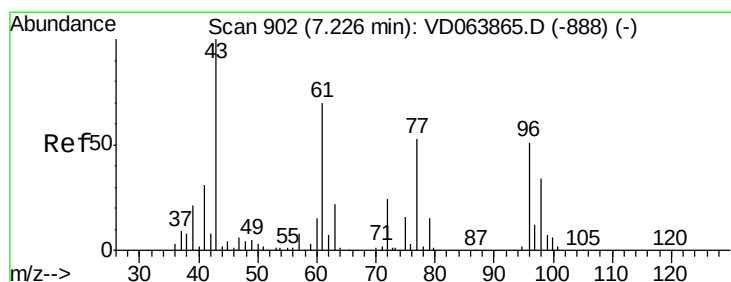
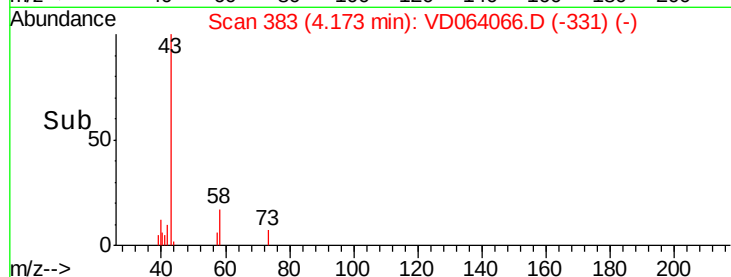
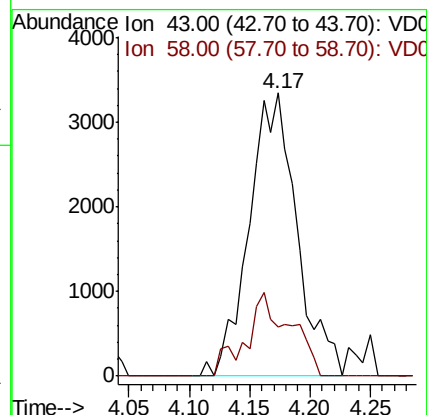
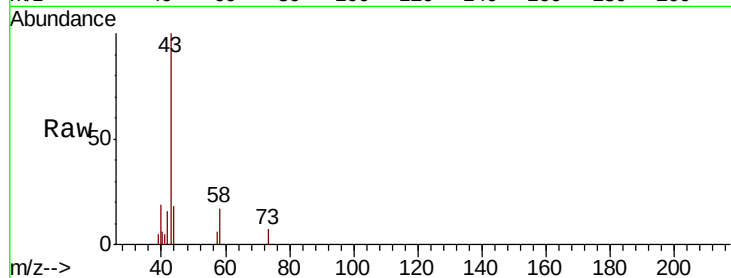
ClientSampleId :

Tot Ion: 43 Resp: 9154

Ion Ratio Lower Upper

43 100

58 17.2 26.2 39.4#



#25

2-Butanone

Concen: 9.517 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064066.D

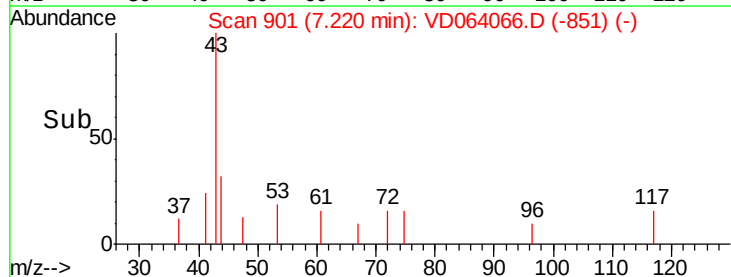
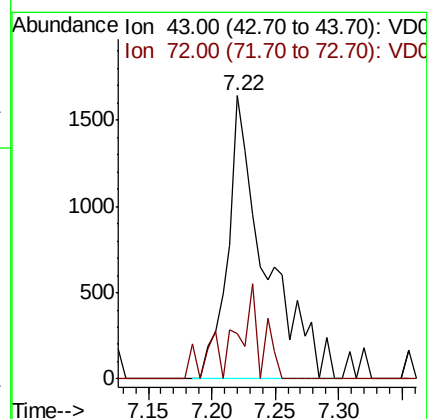
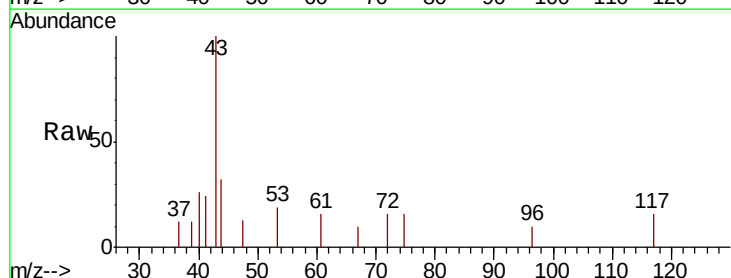
Acq: 25 Oct 2019 15:37

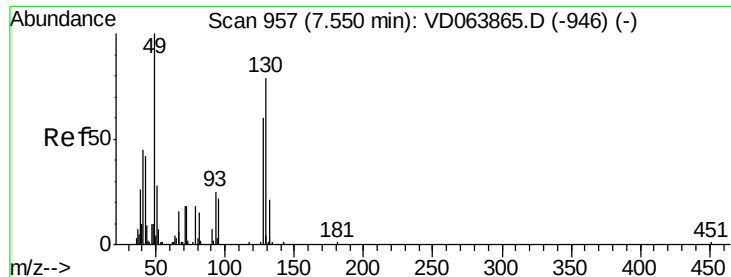
Tgt Ion: 43 Resp: 3396

Ion Ratio Lower Upper

43 100

72 16.0 19.2 28.8#

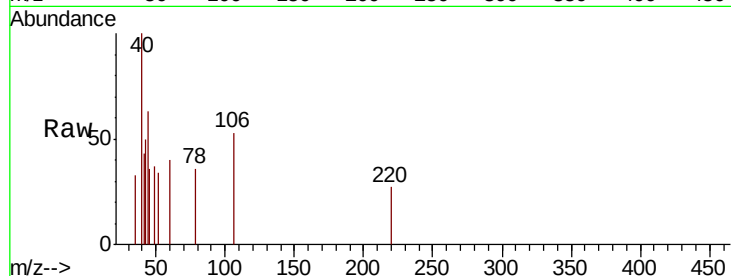




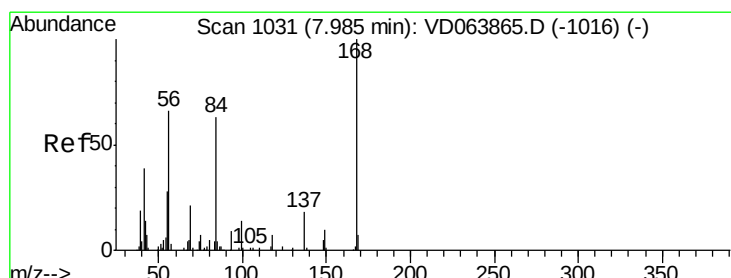
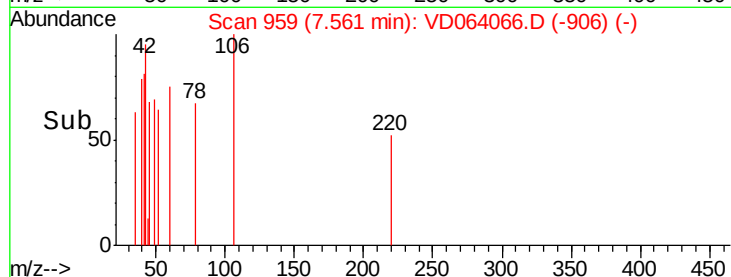
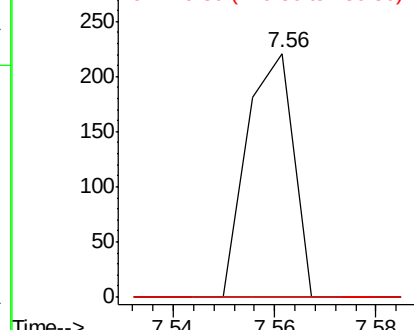
#28
Bromochloromethane
Concen: 2.037 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD064066.D
Acq: 25 Oct 2019 15:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 49 Resp: 142
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

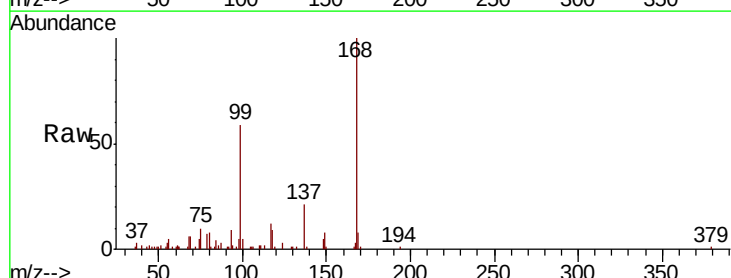


Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

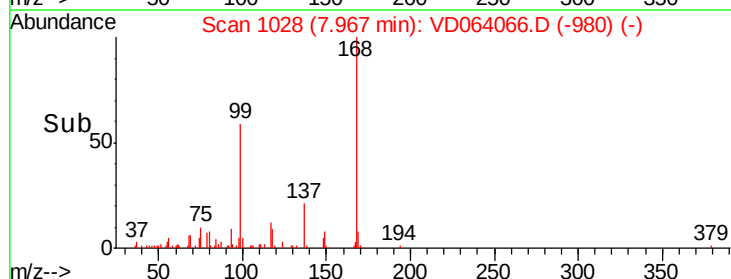
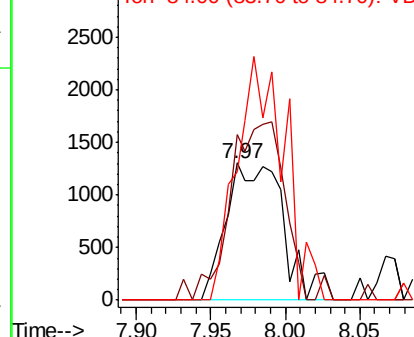


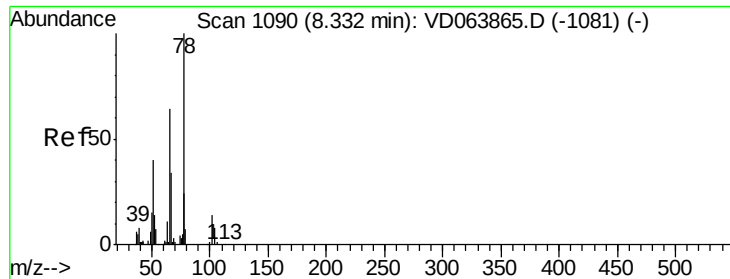
#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD064066.D
Acq: 25 Oct 2019 15:37

Tgt Ion: 56 Resp: 3495
Ion Ratio Lower Upper
56 100
69 120.8 25.0 37.4#
84 93.9 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: 64.812 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

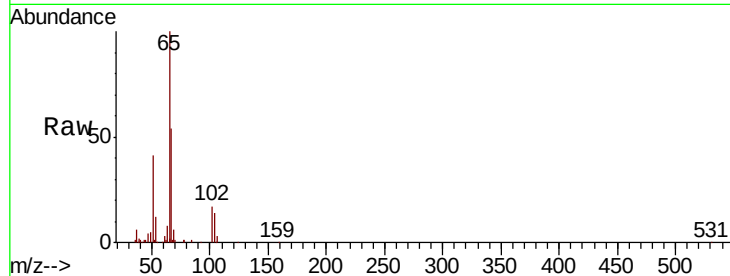
ClientSampleId :

Tot Ion: 65 Resp: 74951

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.34

40000

30000

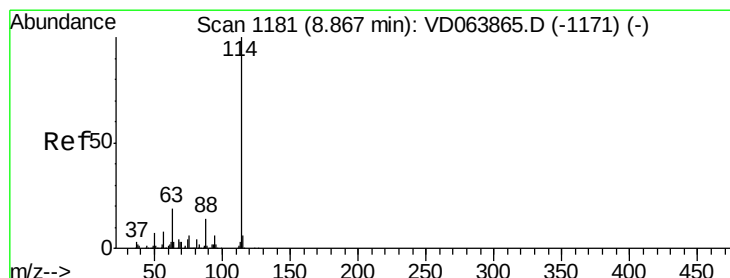
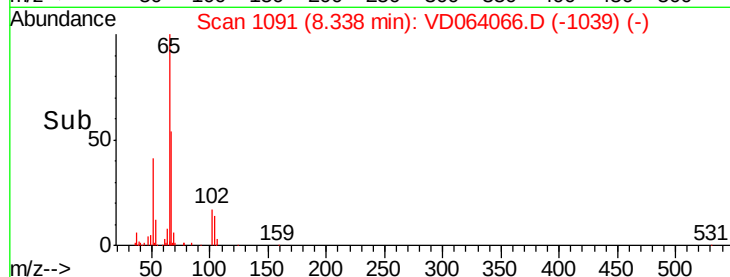
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

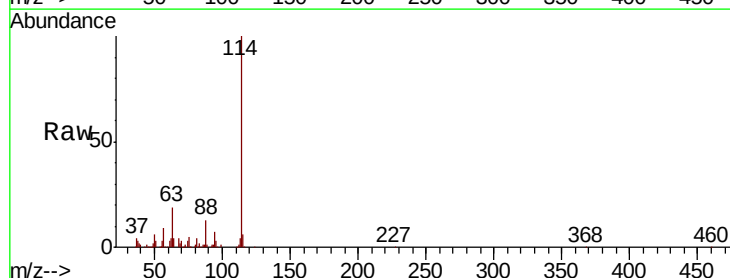
Tgt Ion: 114 Resp: 216690

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

88 12.7 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

8.87

150000

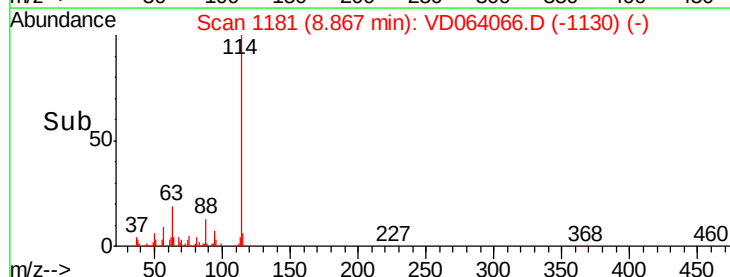
100000

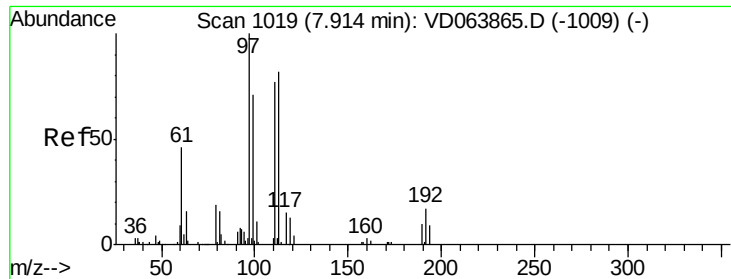
50000

0

8.80 8.85 8.90 8.95

Time-->

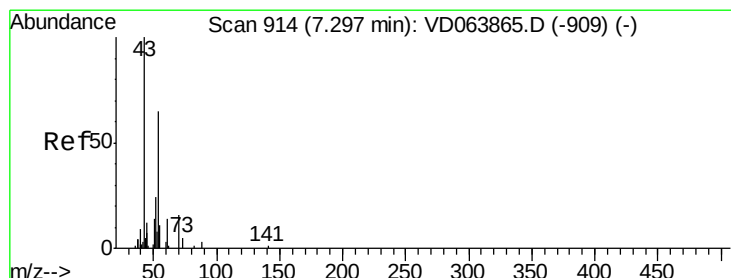
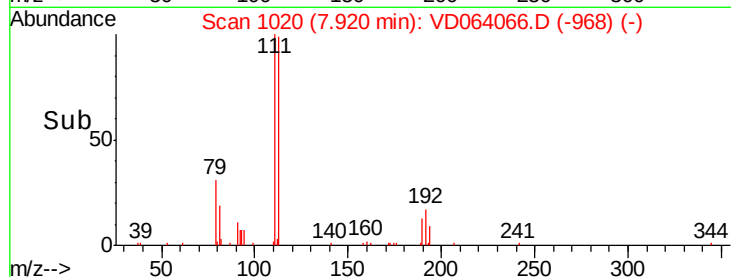
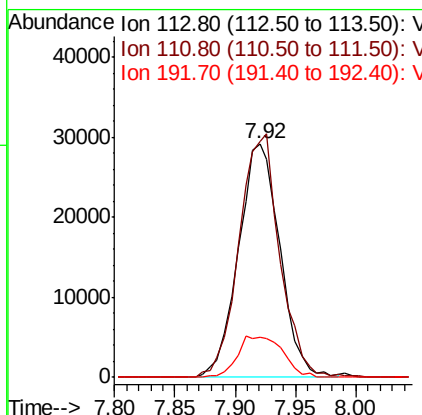
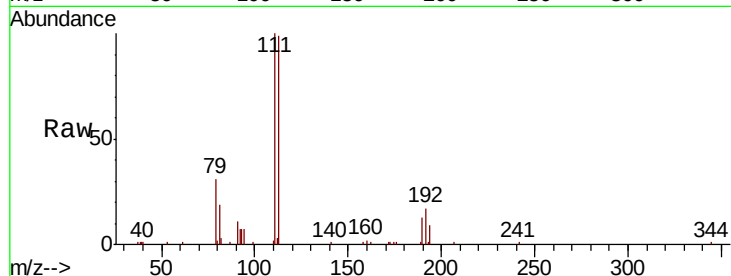




#35
 Dibromofluoromethane
 Concen: 52.714 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064066.D
 Acq: 25 Oct 2019 15:37

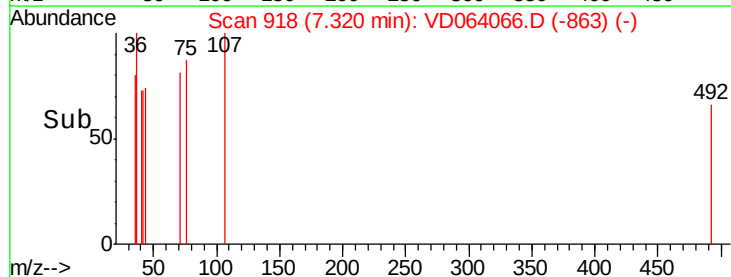
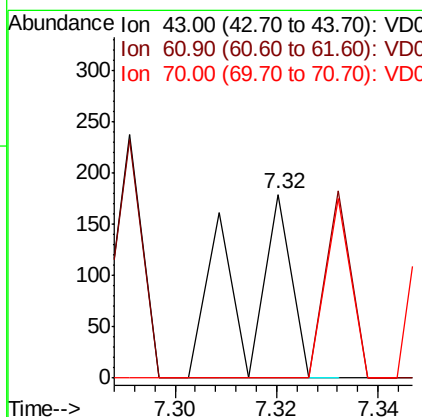
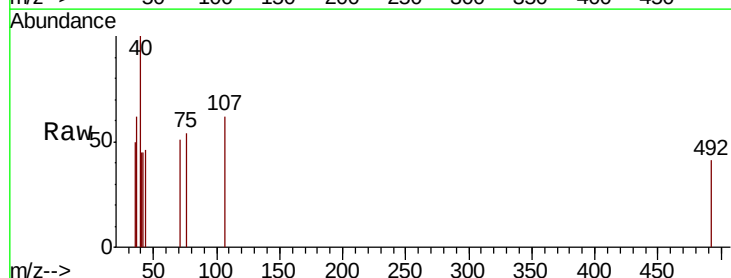
Instrument :
 MSVOA_D
 ClientSampleId :

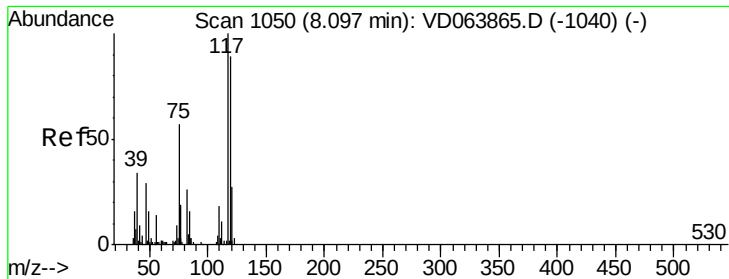
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.1	17.1	25.7



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.32 min Scan# 918
 Delta R.T. 0.02 min
 Lab File: VD064066.D
 Acq: 25 Oct 2019 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	53.3	11.5	17.3#
70	51.7	8.2	12.4#





#38

Carbon Tetrachloride

Concen: 5.785 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

ClientSampled :

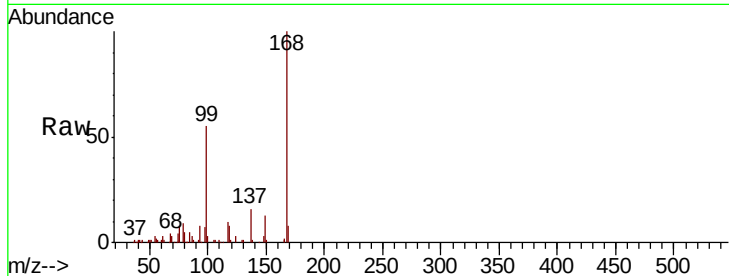
Tot Ion:117 Resp: 11582

Ion Ratio Lower Upper

117 100

119 5.4 70.8 106.2#

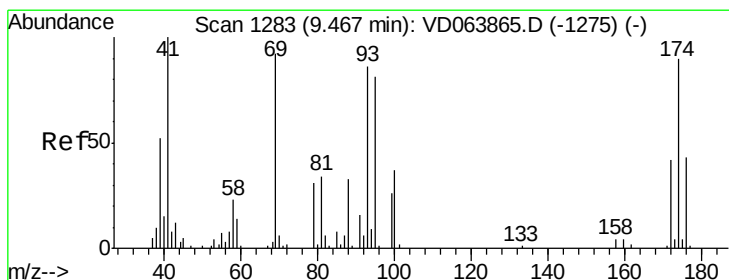
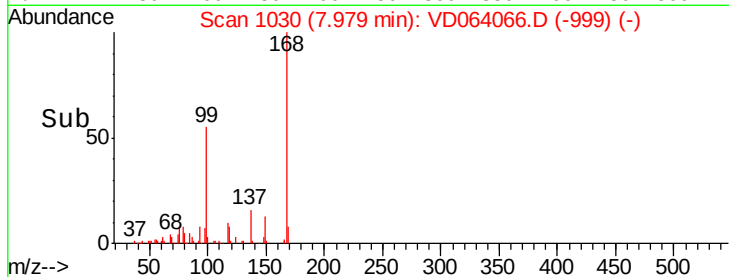
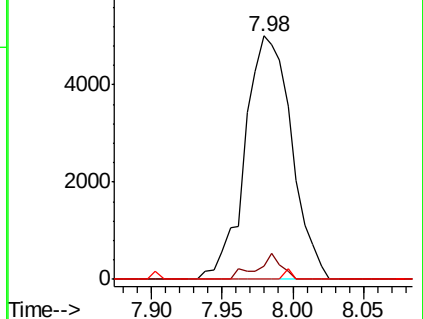
121 0.0 21.4 32.0#



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: 6.109 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.11 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

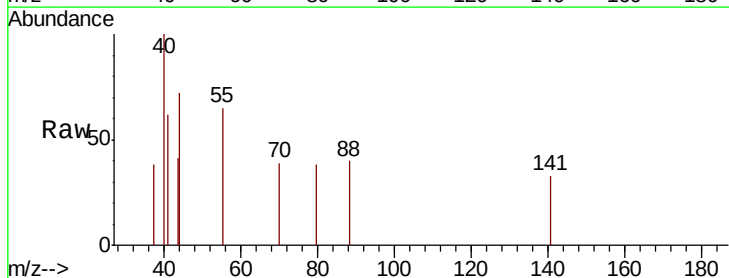
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

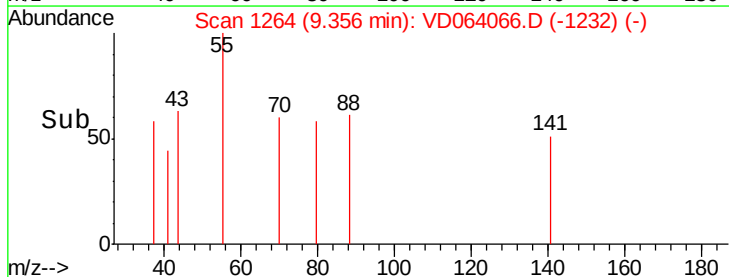
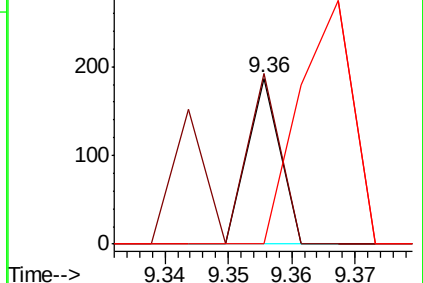
58 242.4 54.1 81.1#

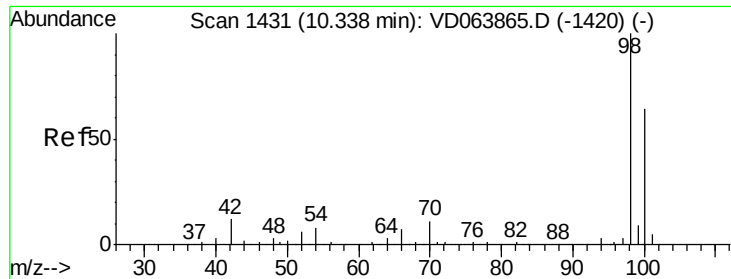


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

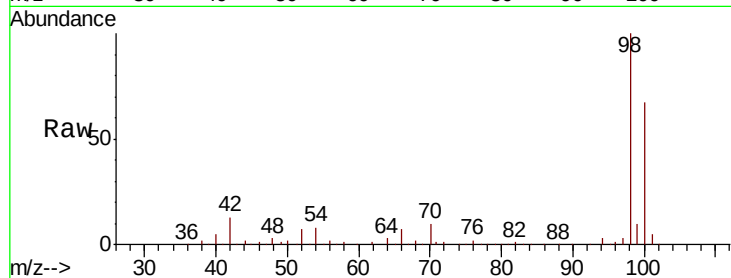




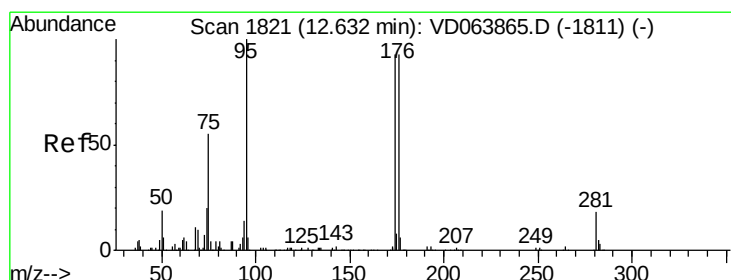
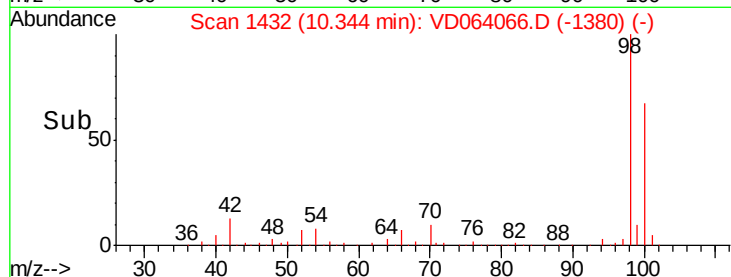
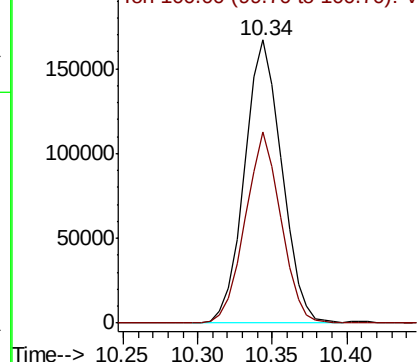
#50
Toluene-d8
Concen: 53.655 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064066.D
Acq: 25 Oct 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 288396
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

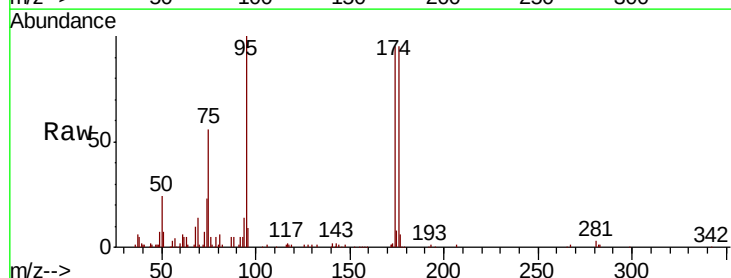


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

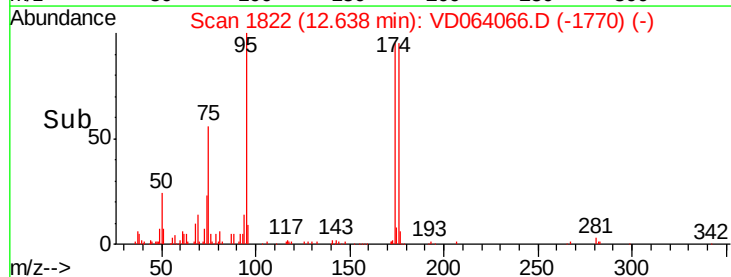
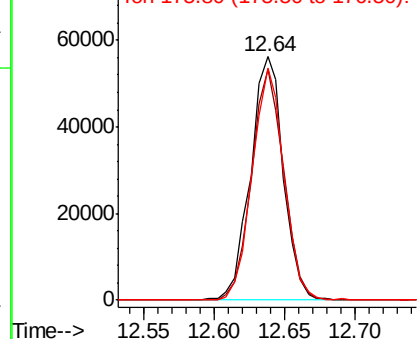


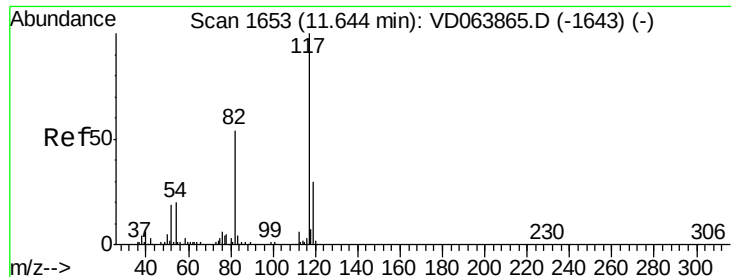
#62
4-Bromofluorobenzene
Concen: 49.052 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064066.D
Acq: 25 Oct 2019 15:37

Tgt Ion: 95 Resp: 91619
Ion Ratio Lower Upper
95 100
174 92.9 0.0 186.4
176 92.4 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: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

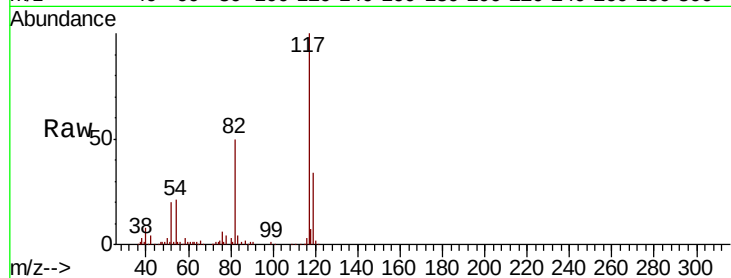
Tot Ion:117 Resp: 230877

Ion Ratio Lower Upper

117 100

82 50.1 42.8 64.2

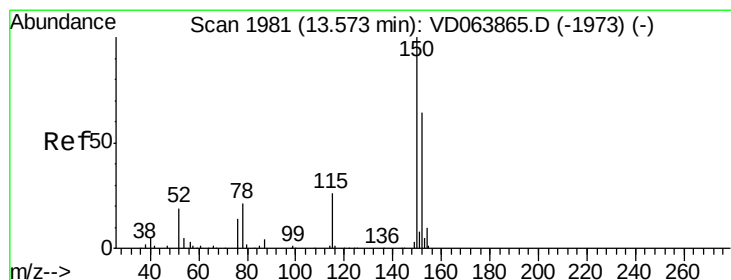
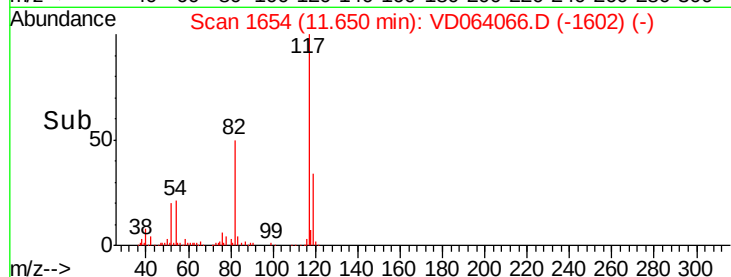
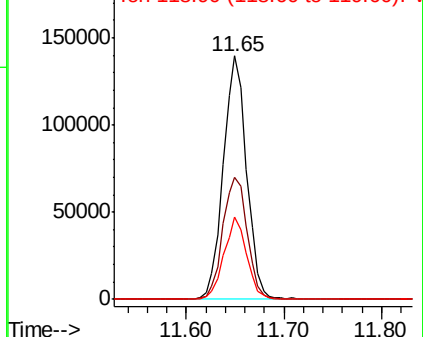
119 33.9 24.4 36.6



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: VD064066.D

Acq: 25 Oct 2019 15:37

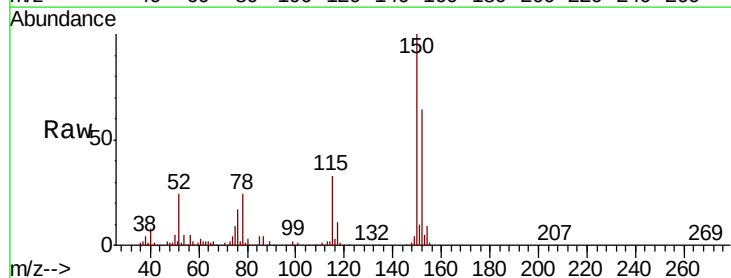
Tgt Ion:152 Resp: 109703

Ion Ratio Lower Upper

152 100

115 54.8 25.9 77.7

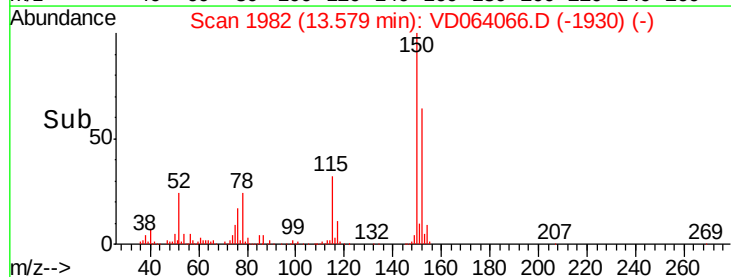
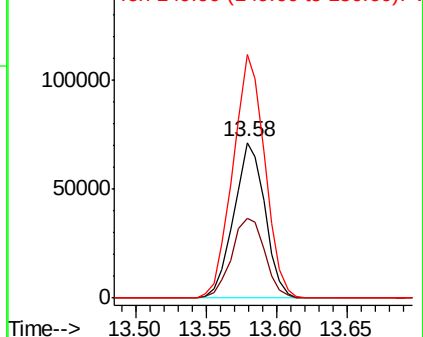
150 160.6 0.0 344.2

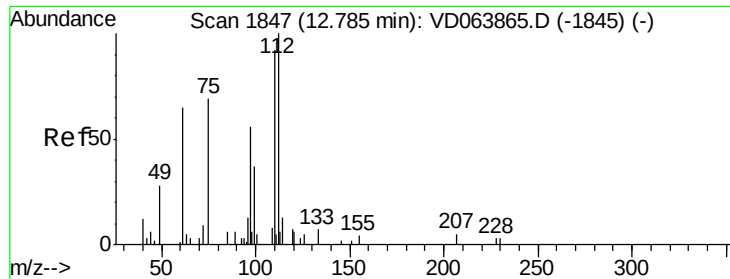


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 70.235 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

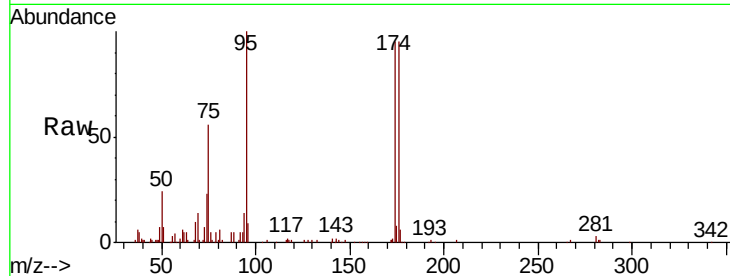
ClientSampleId :

Tot Ion: 75 Resp: 51606

Ion Ratio Lower Upper

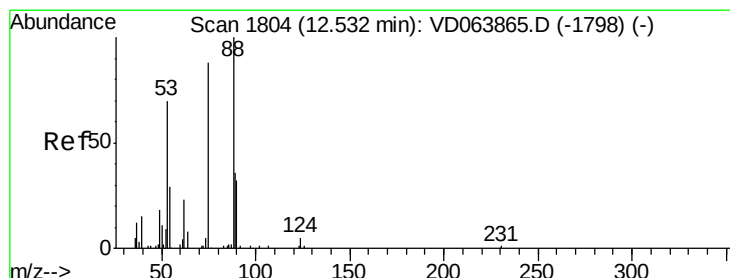
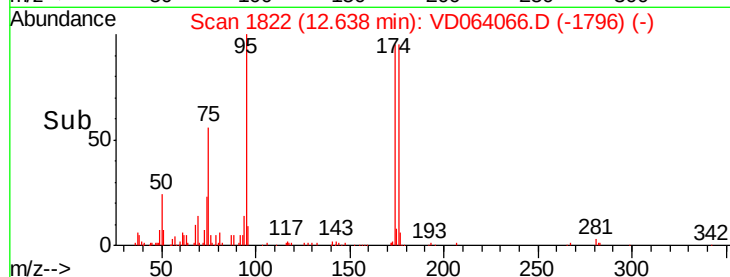
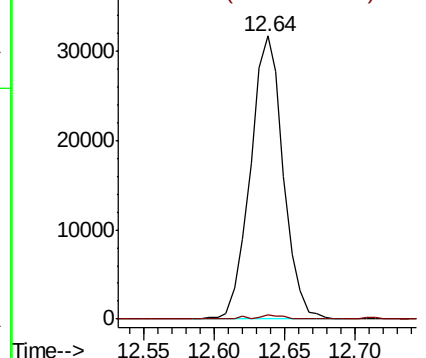
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 124.288 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

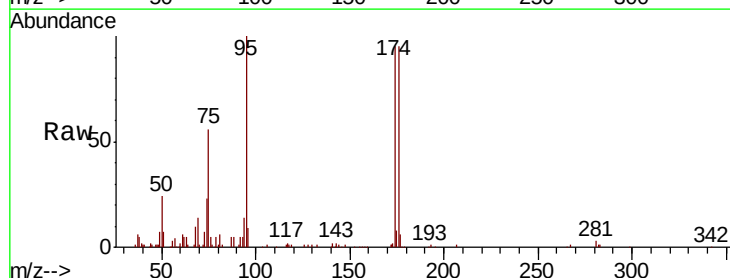
Tgt Ion: 75 Resp: 51606

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

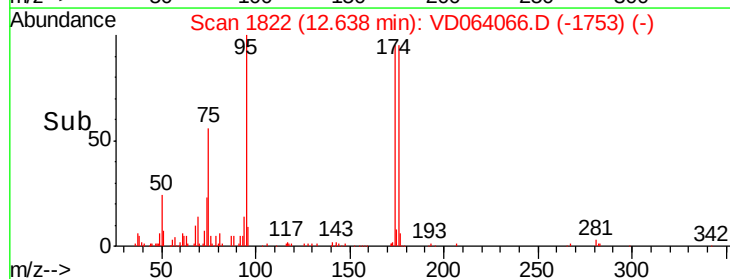
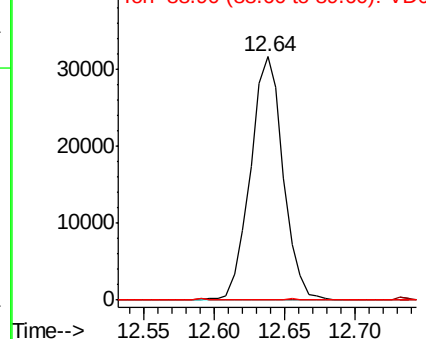
89 0.1 38.2 57.4#

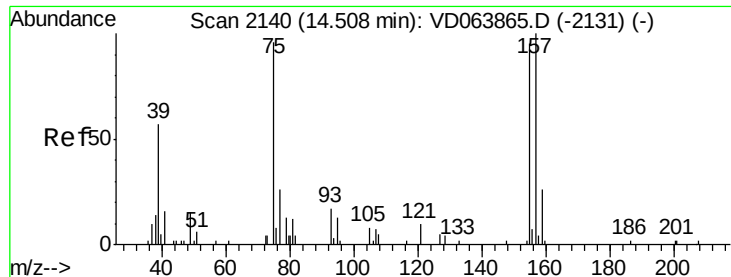


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.43 min Scan# 2126

Delta R.T. -0.08 min

Lab File: VD064066.D

Acq: 25 Oct 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

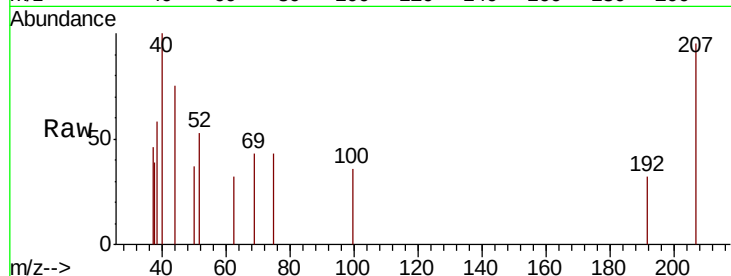
Tot Ion: 75 Resp: 222

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

