

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064027.D
 Acq On : 23 Oct 2019 18:12
 Operator : VA/SY
 Sample : K5497-14
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:59:24 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	136232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	274352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126854	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	84391	63.63	ug/l	0.00
Spiked Amount			Recovery	=	127.26%	
35) Dibromofluoromethane	7.92	113	84308	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.34	98	381652	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.63	95	110817	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

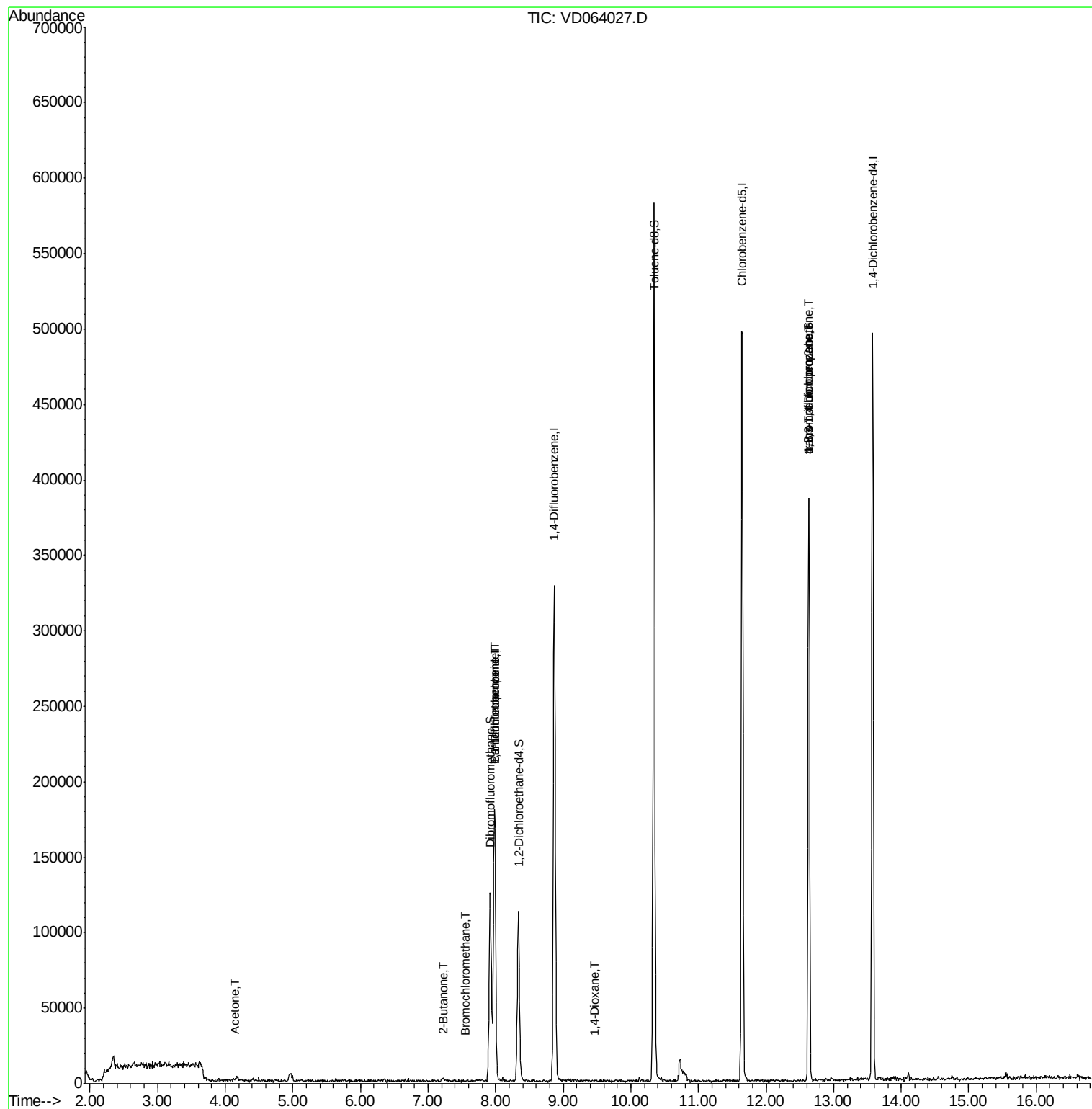
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	191	Below Cal	#	40
11) Tert butyl alcohol	5.26	59	54	Below Cal	#	71
16) Acetone	4.16	43	1912	5.537	ug/l #	64
20) Methylene Chloride	4.97	84	3185	Below Cal	#	81
25) 2-Butanone	7.23	43	2592	6.334	ug/l #	51
28) Bromochloromethane	7.54	49	63	1.931	ug/l #	10
31) Cyclohexane	7.97	56	3805	Below Cal	#	48
36) 1,1-Dichloropropene	7.98	75	12012	4.789	ug/l #	50
37) Ethyl Acetate	7.23	43	2592	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	13835	5.458	ug/l #	18
49) 1,4-Dioxane	9.47	88	55	4.021	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	61088	71.899	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	61088	127.233	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.62	75	60	Below Cal	#	1

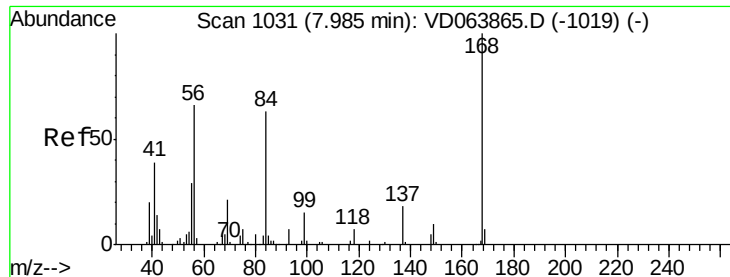
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064027.D

Acq: 23 Oct 2019 18:12

Instrument :

MSVOA_D

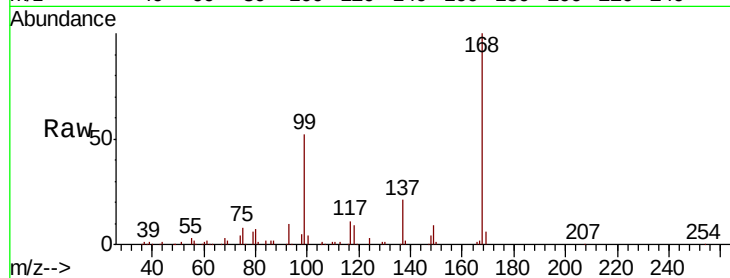
ClientSampleId :

Tot Ion:168 Resp: 136232

Ion Ratio Lower Upper

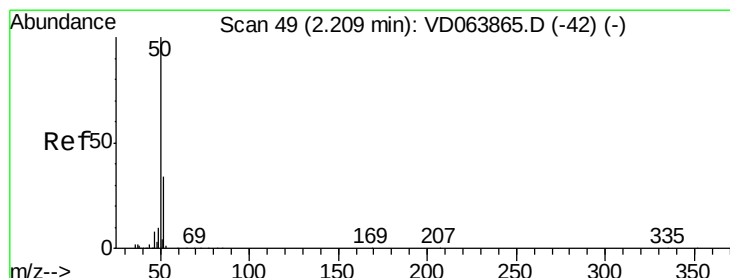
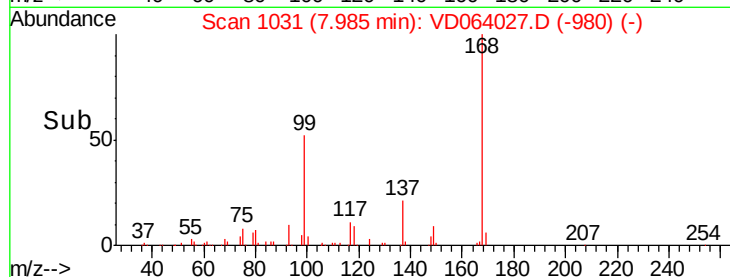
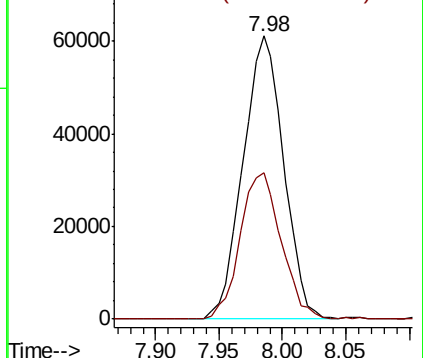
168 100

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# 49

Delta R.T. 0.00 min

Lab File: VD064027.D

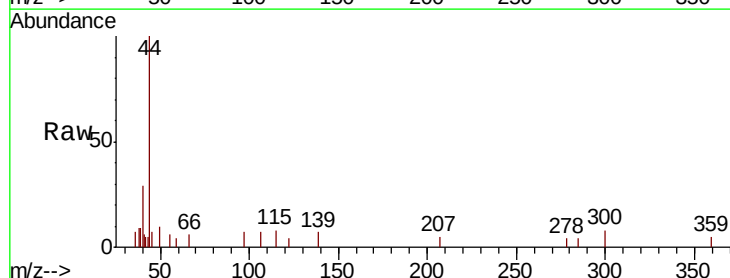
Acq: 23 Oct 2019 18:12

Tgt Ion: 50 Resp: 191

Ion Ratio Lower Upper

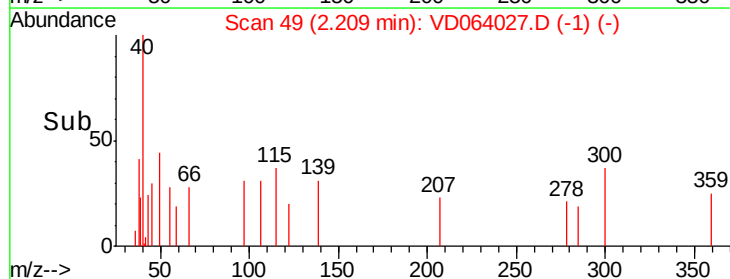
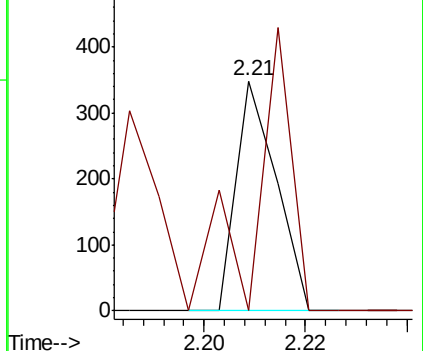
50 100

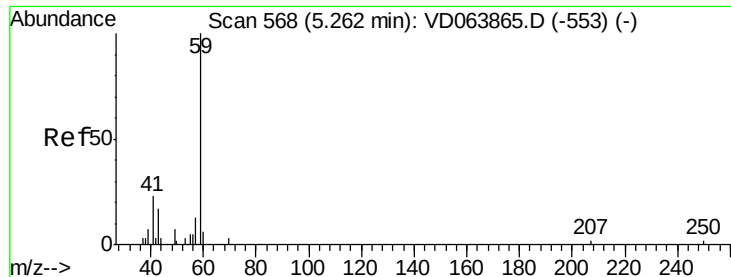
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

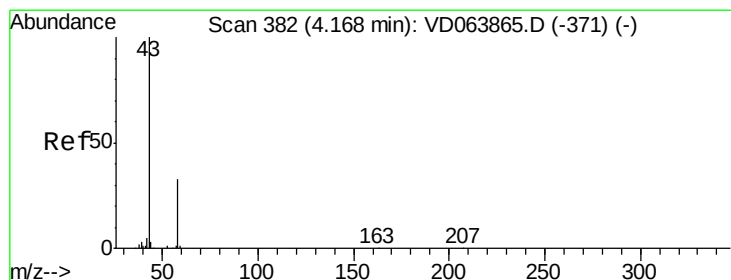
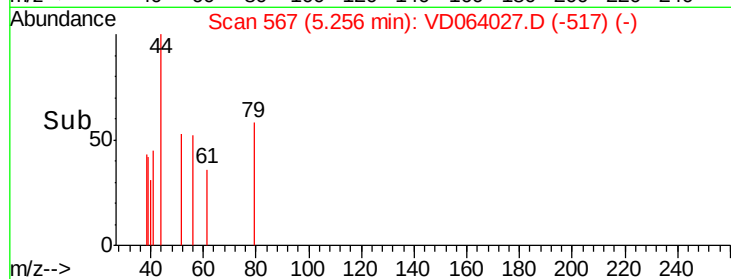
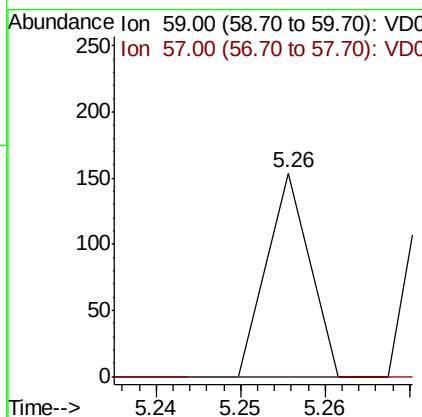
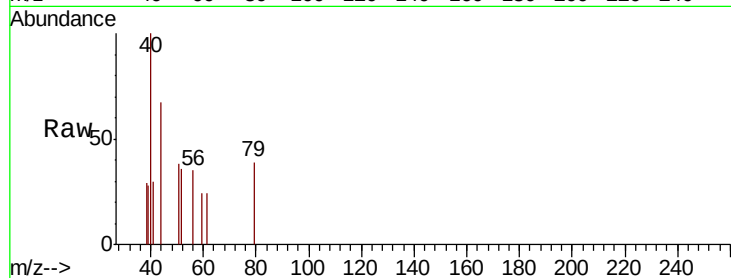




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD064027.D
Acq: 23 Oct 2019 18:12

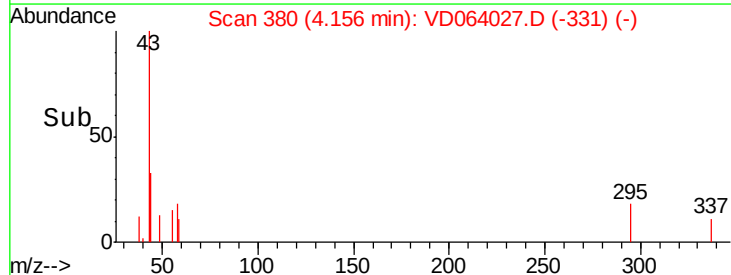
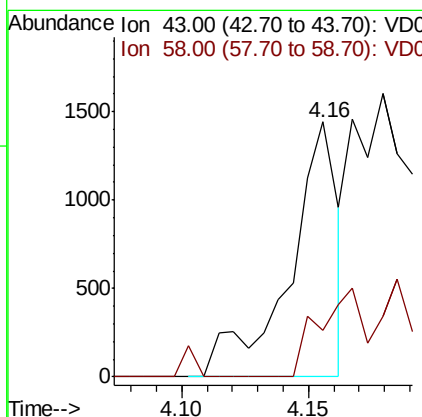
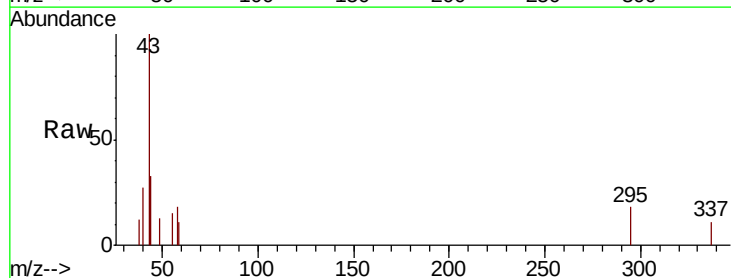
Instrument :
MSVOA_D
ClientSampleId :

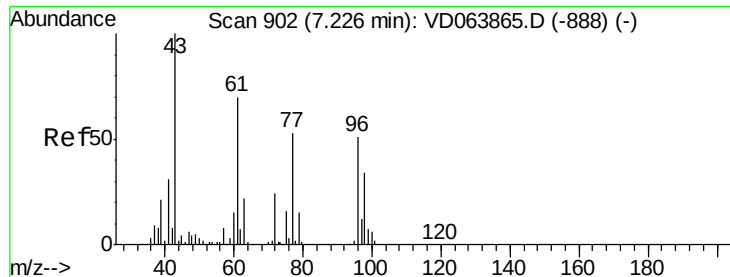
Tot Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 5.537 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD064027.D
Acq: 23 Oct 2019 18:12

Tgt Ion: 43 Resp: 1912
Ion Ratio Lower Upper
43 100
58 12.7 26.2 39.4#

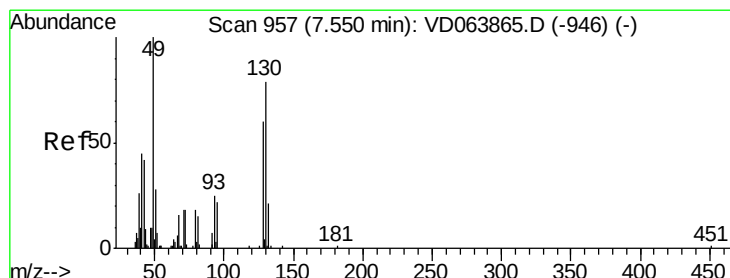
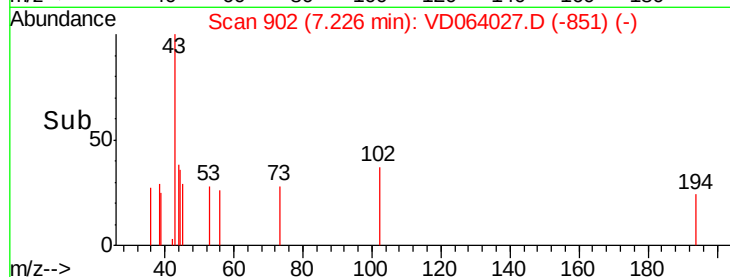
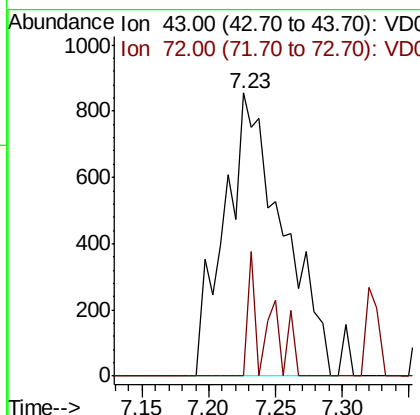
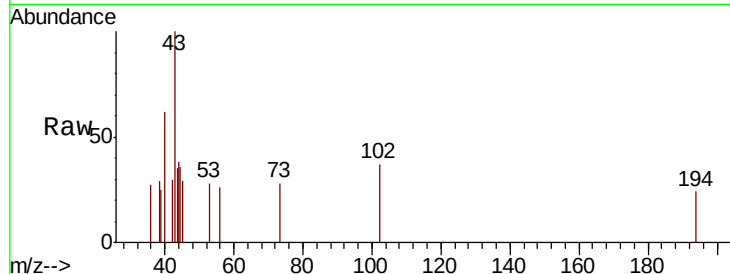




#25
 2-Butanone
 Concen: 6.334 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD064027.D
 Acq: 23 Oct 2019 18:12

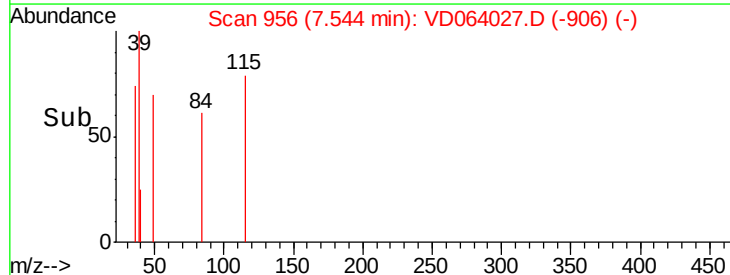
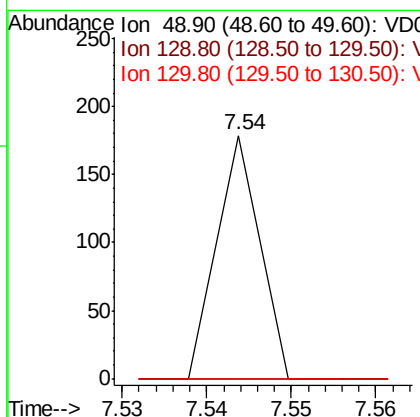
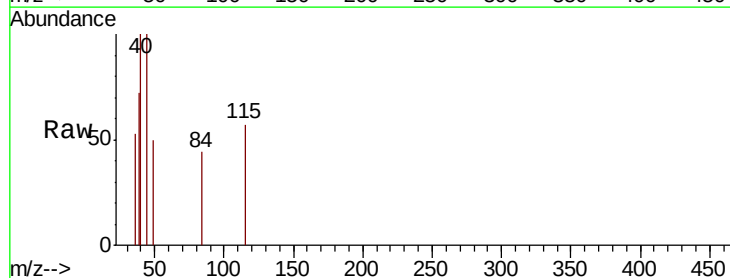
Instrument :
 MSVOA_D
 ClientSampleID :

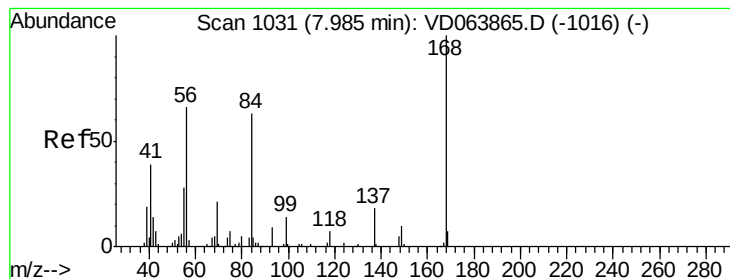
Tot Ion: 43 Resp: 2592
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.2 28.8#



#28
 Bromochloromethane
 Concen: 1.931 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064027.D
 Acq: 23 Oct 2019 18:12

Tgt Ion: 49 Resp: 63
 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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

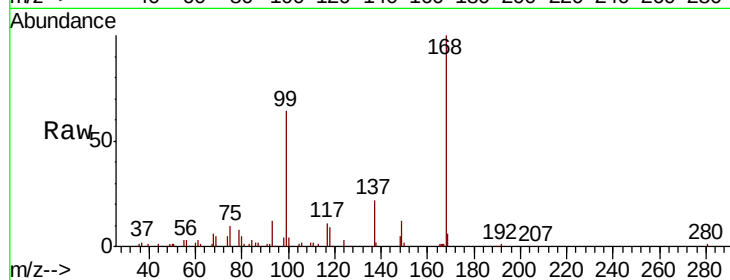
Tot Ion: 56 Resp: 3805

Ion Ratio Lower Upper

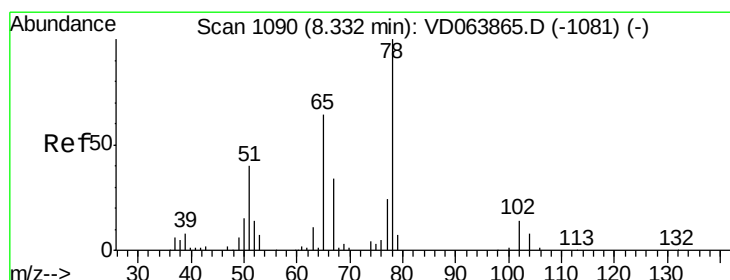
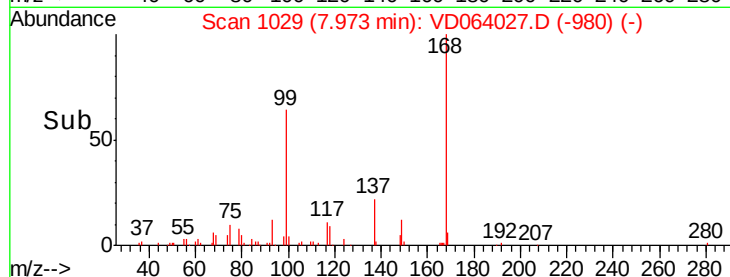
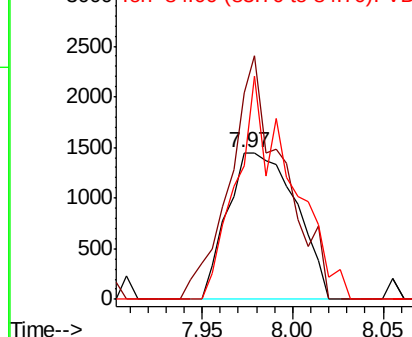
56 100

69 140.8 25.0 37.4#

84 91.1 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: 63.628 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064027.D

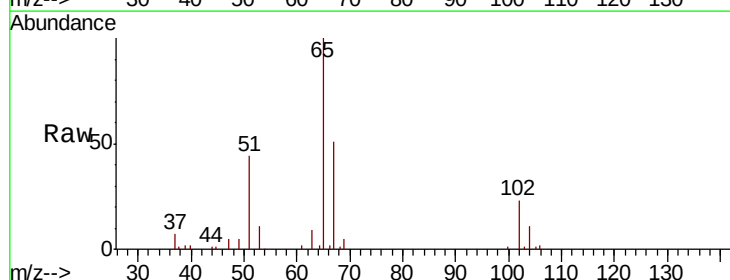
Acq: 23 Oct 2019 18:12

Tgt Ion: 65 Resp: 84391

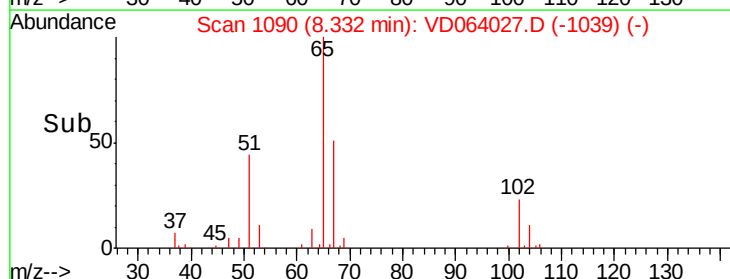
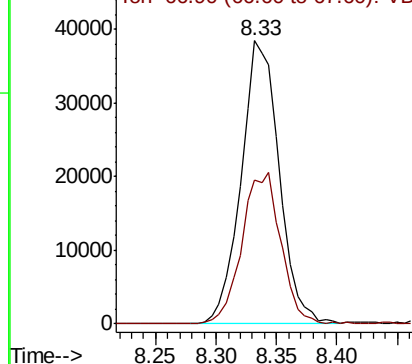
Ion Ratio Lower Upper

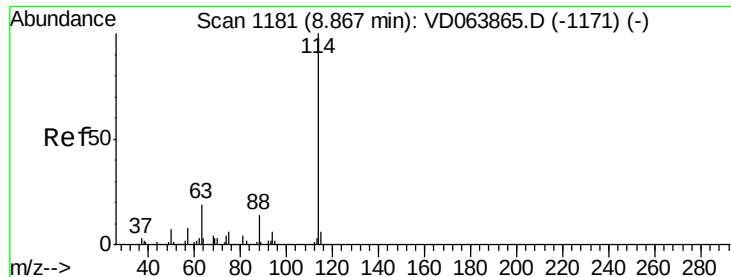
65 100

67 54.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

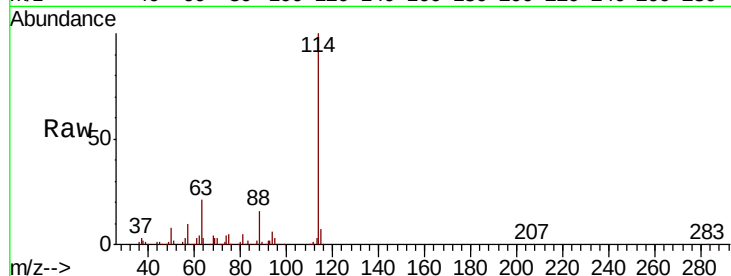




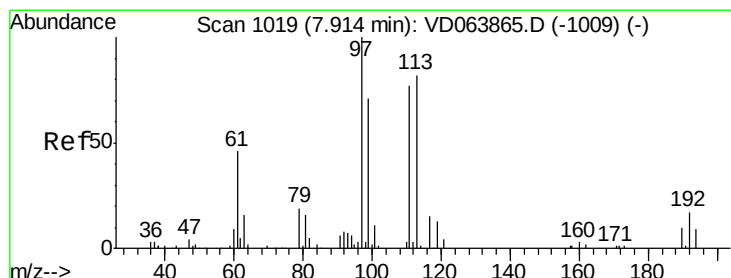
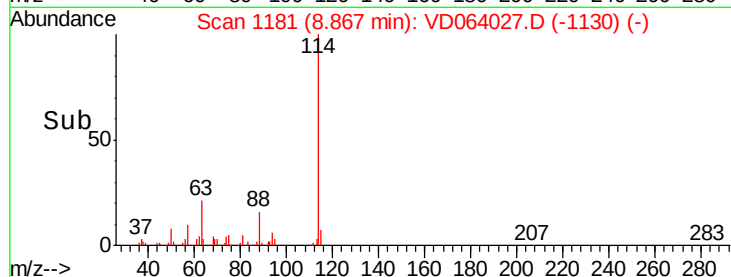
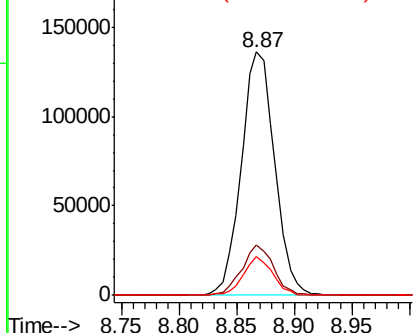
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064027.D
 Acq: 23 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 274352
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.4
 88 16.0 0.0 27.4

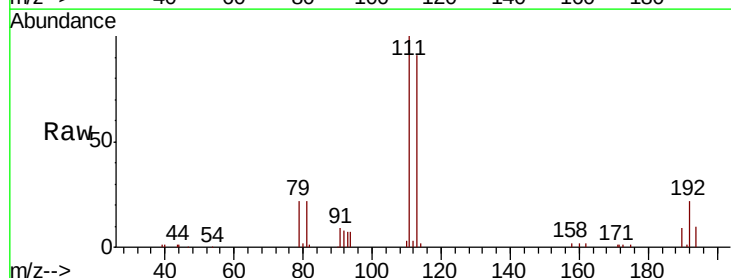


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

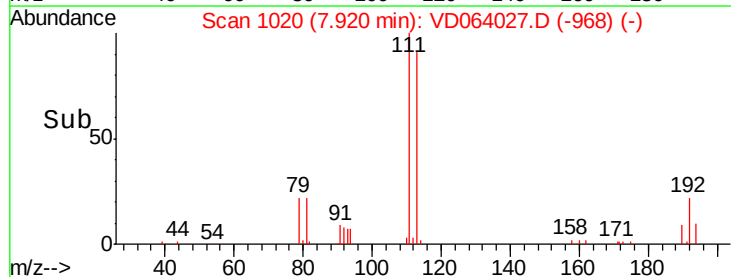
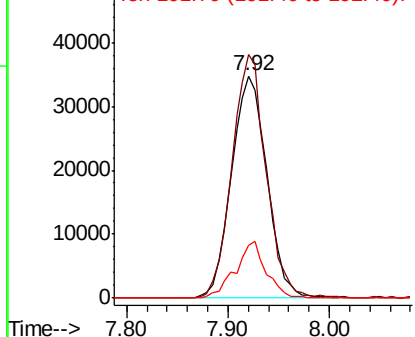


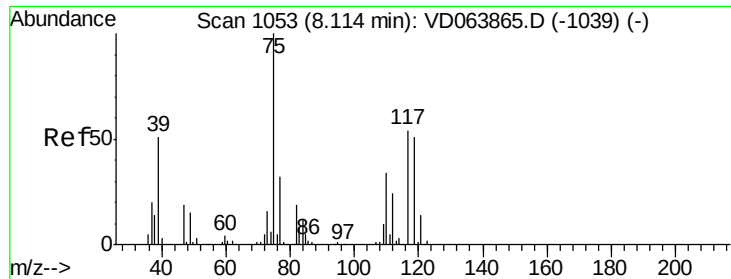
#35
 Dibromofluoromethane
 Concen: 50.284 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064027.D
 Acq: 23 Oct 2019 18:12

Tgt Ion:113 Resp: 84308
 Ion Ratio Lower Upper
 113 100
 111 105.3 82.6 123.8
 192 22.1 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





#36

1,1-Dichloropropene

Concen: 4.789 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

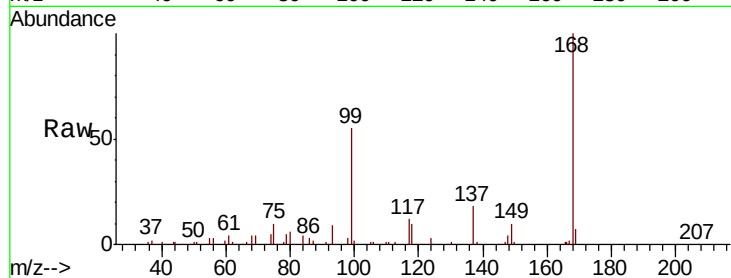
Tot Ion: 75 Resp: 12012

Ion Ratio Lower Upper

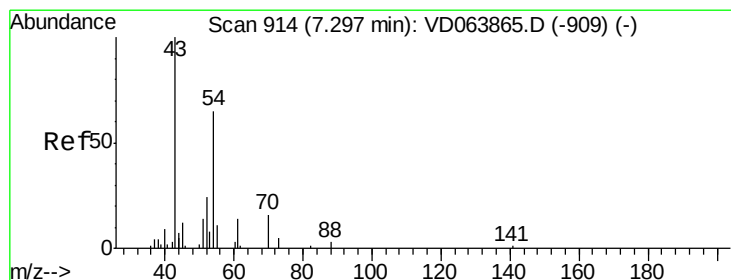
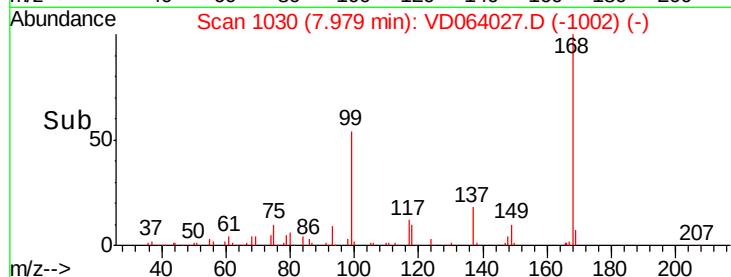
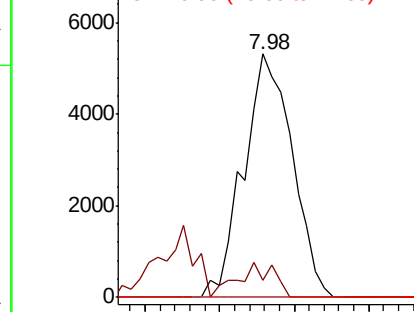
75 100

110 9.5 17.4 52.3#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.23 min Scan# 902

Delta R.T. -0.07 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

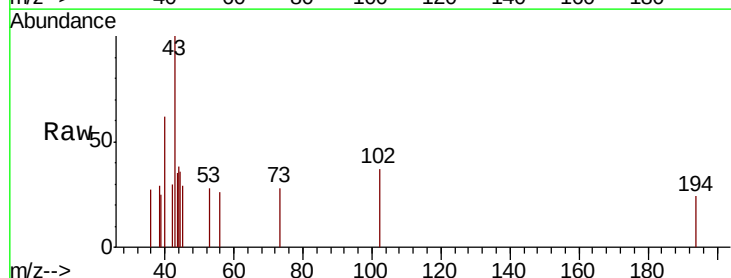
Tgt Ion: 43 Resp: 2592

Ion Ratio Lower Upper

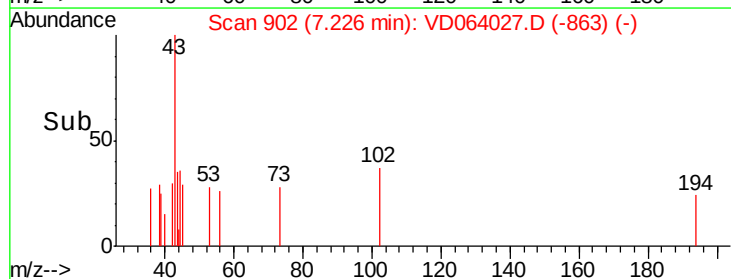
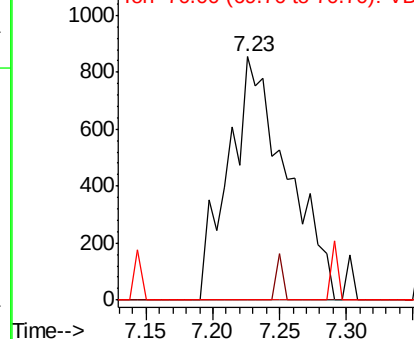
43 100

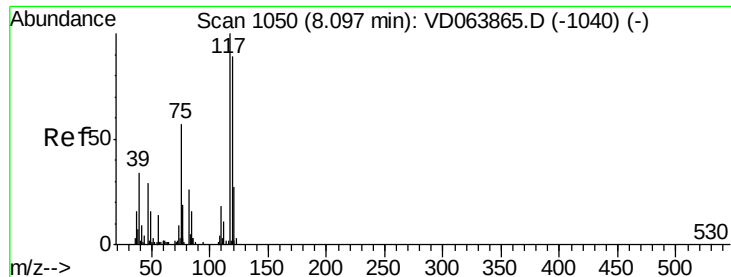
61 0.0 11.5 17.3#

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: 5.458 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampled :

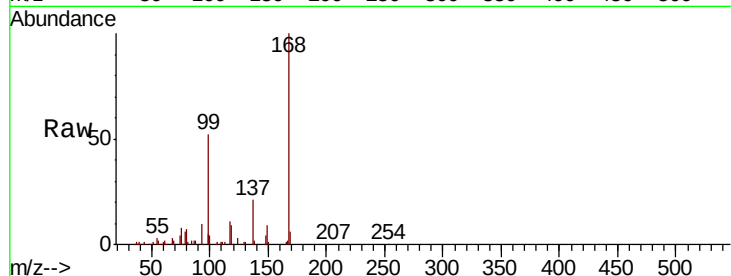
Tot Ion:117 Resp: 13835

Ion Ratio Lower Upper

117 100

119 4.1 70.8 106.2#

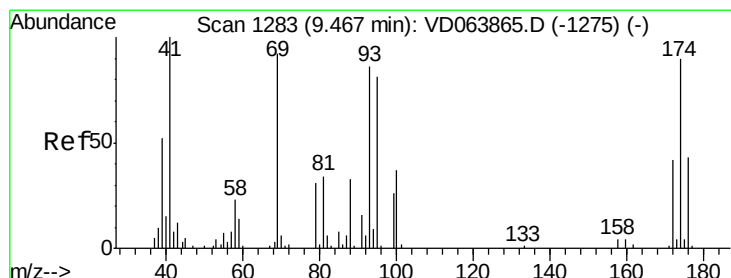
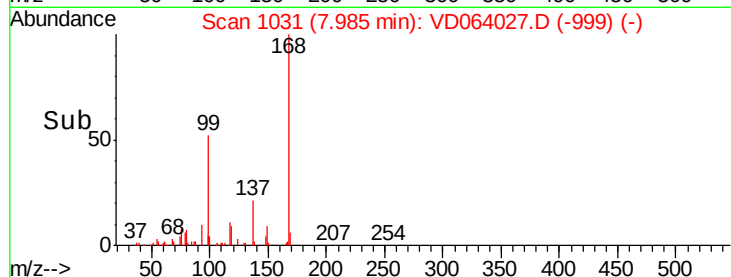
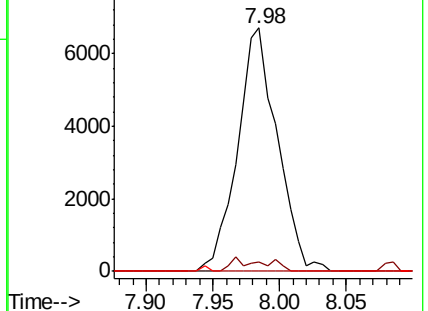
121 0.0 21.4 32.0#



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: 4.021 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

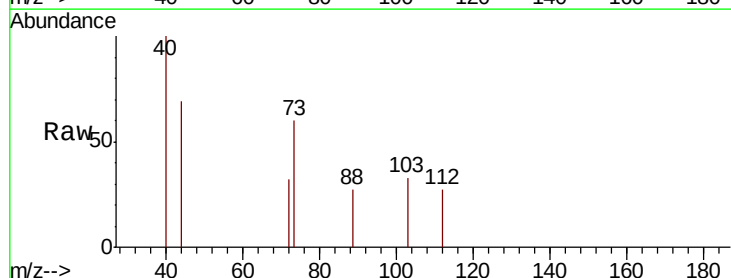
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

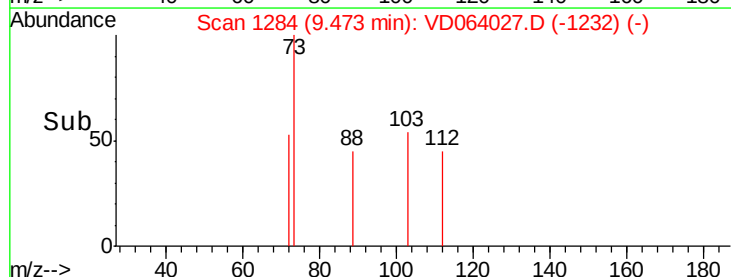
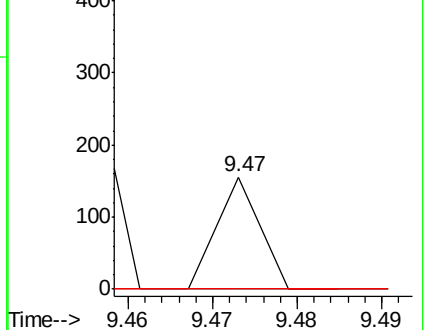
58 0.0 54.1 81.1#

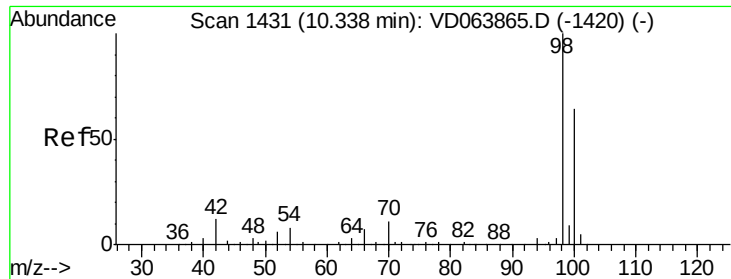


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

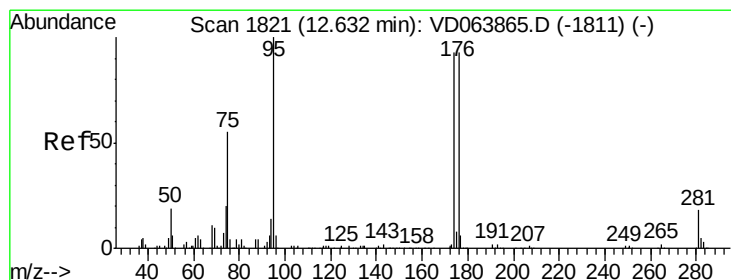
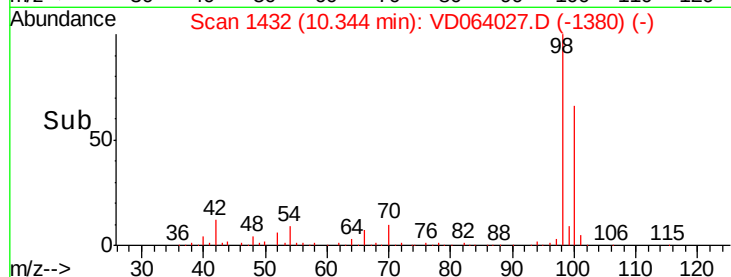
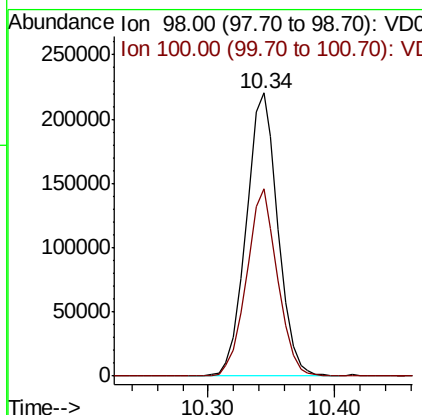
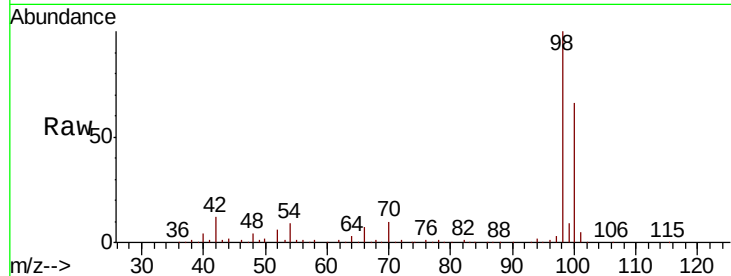




#50
Toluene-d8
Concen: 56.082 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064027.D
Acq: 23 Oct 2019 18:12

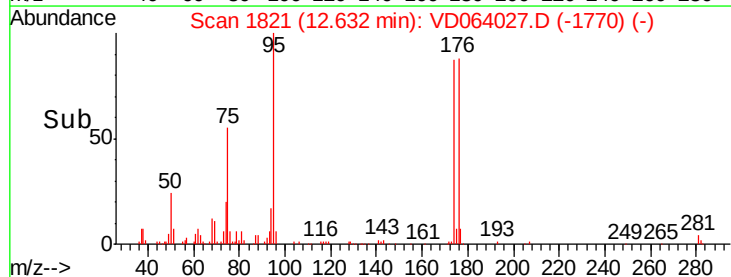
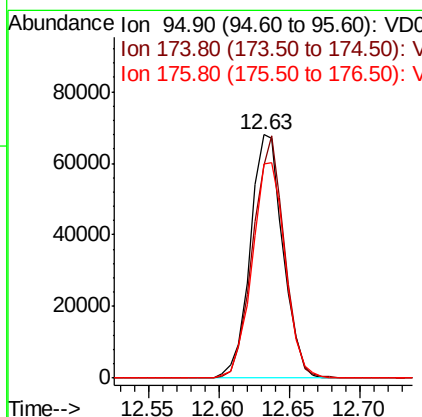
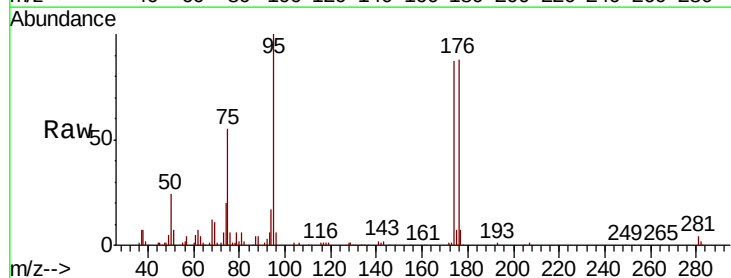
Instrument :
MSVOA_D
ClientSampled :

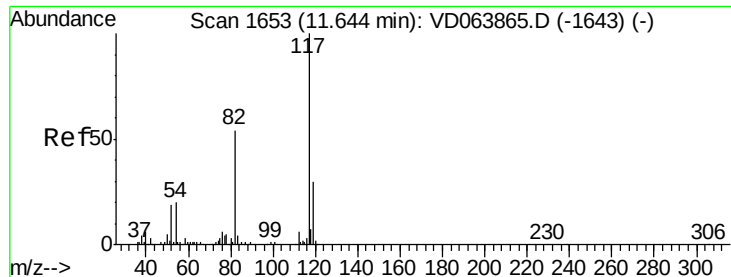
Tot Ion: 98 Resp: 381652
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.861 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD064027.D
Acq: 23 Oct 2019 18:12

Tgt Ion: 95 Resp: 110817
Ion Ratio Lower Upper
95 100
174 95.1 0.0 186.4
176 89.9 0.0 184.2

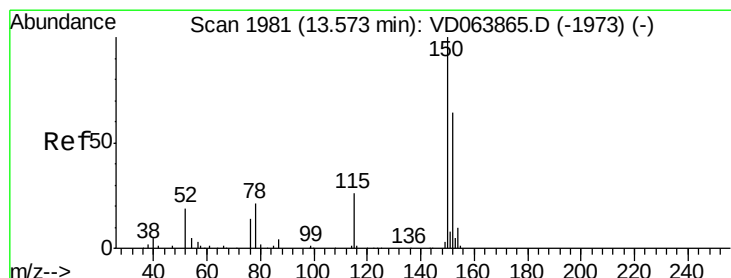
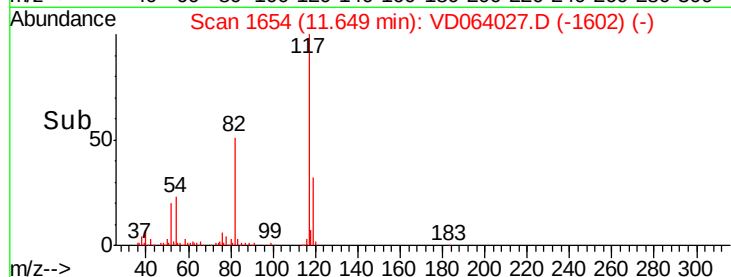
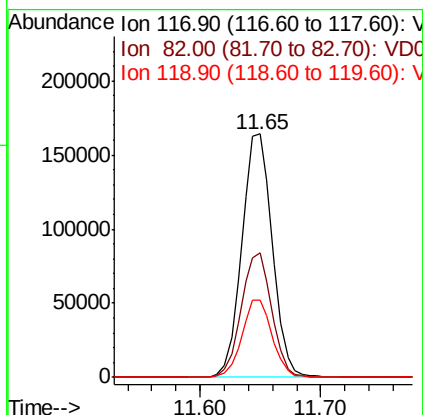
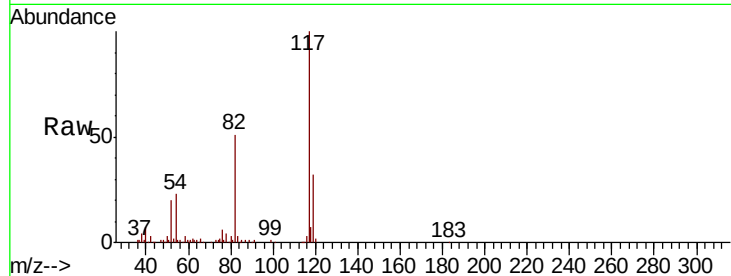




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064027.D
Acq: 23 Oct 2019 18:12

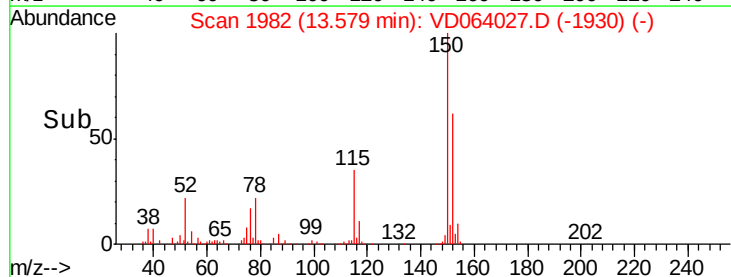
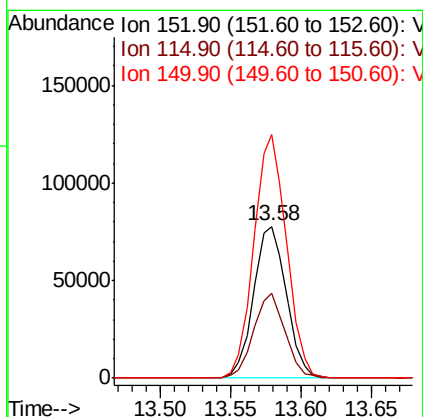
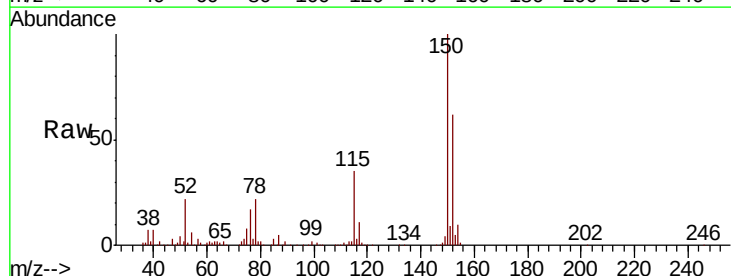
Instrument :
MSVOA_D
ClientSampleId :

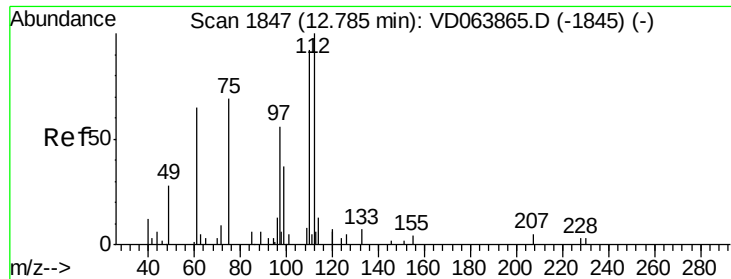
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.8	64.2
119	31.5	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064027.D
Acq: 23 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.9	77.7
150	159.3	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 71.899 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

Instrument :

MSVOA_D

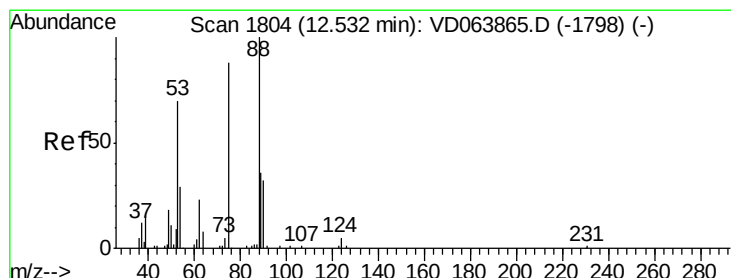
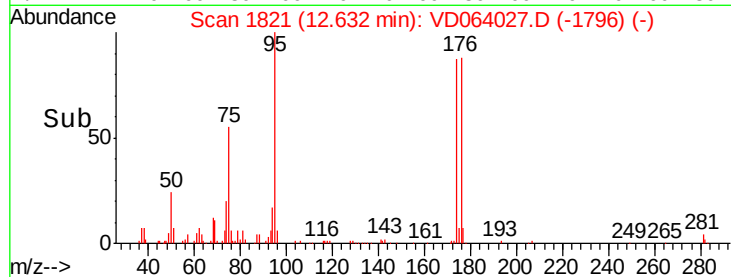
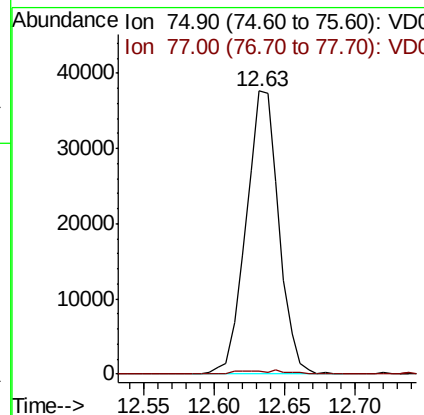
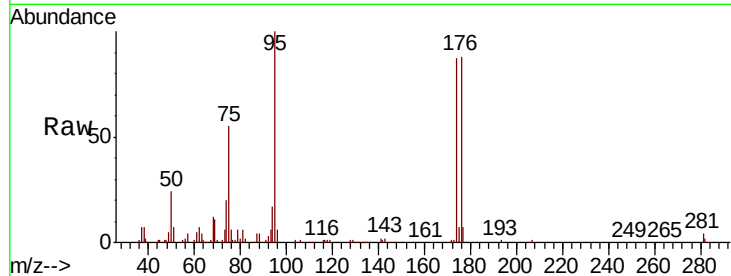
ClientSampleId :

Tot Ion: 75 Resp: 61088

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.233 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

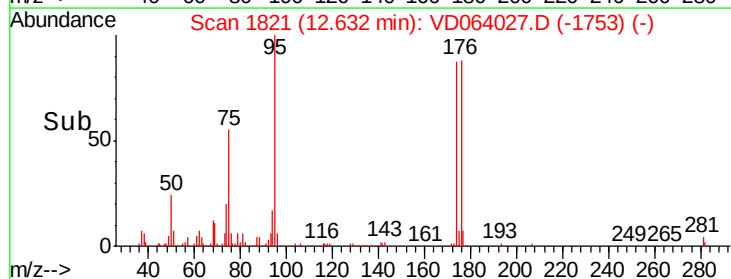
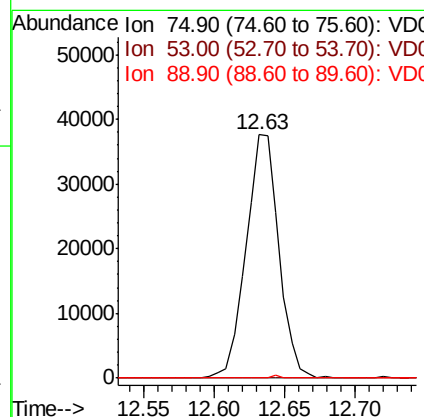
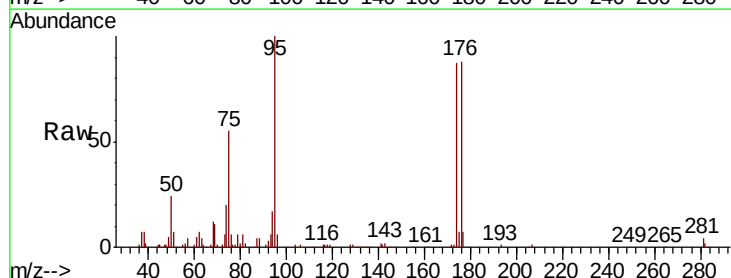
Tgt Ion: 75 Resp: 61088

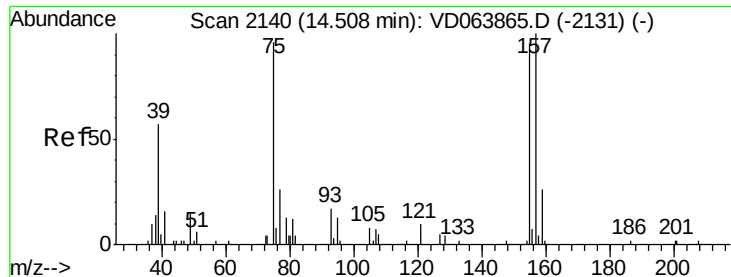
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.2 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.62 min Scan# 2159

Delta R.T. 0.11 min

Lab File: VD064027.D

Acq: 23 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

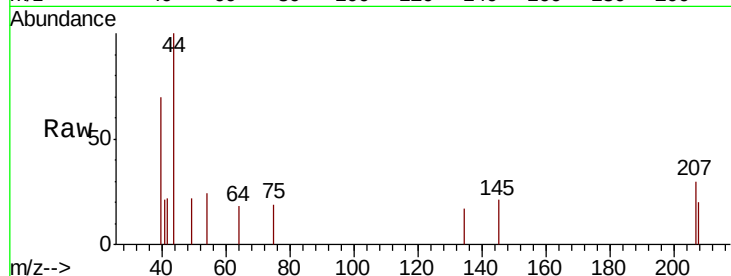
Tot Ion: 75 Resp: 60

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

