

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064043.D
 Acq On : 24 Oct 2019 13:29
 Operator : VA/SY
 Sample : K5145-04
 Misc : 8.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:57:39 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	145914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136533	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	84670	59.60	ug/l	0.00
Spiked Amount			Recovery	=	119.20%	
35) Dibromofluoromethane	7.92	113	86999	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.34	98	396176	57.39	ug/l	0.00
Spiked Amount			Recovery	=	114.78%	
62) 4-Bromofluorobenzene	12.64	95	119813	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

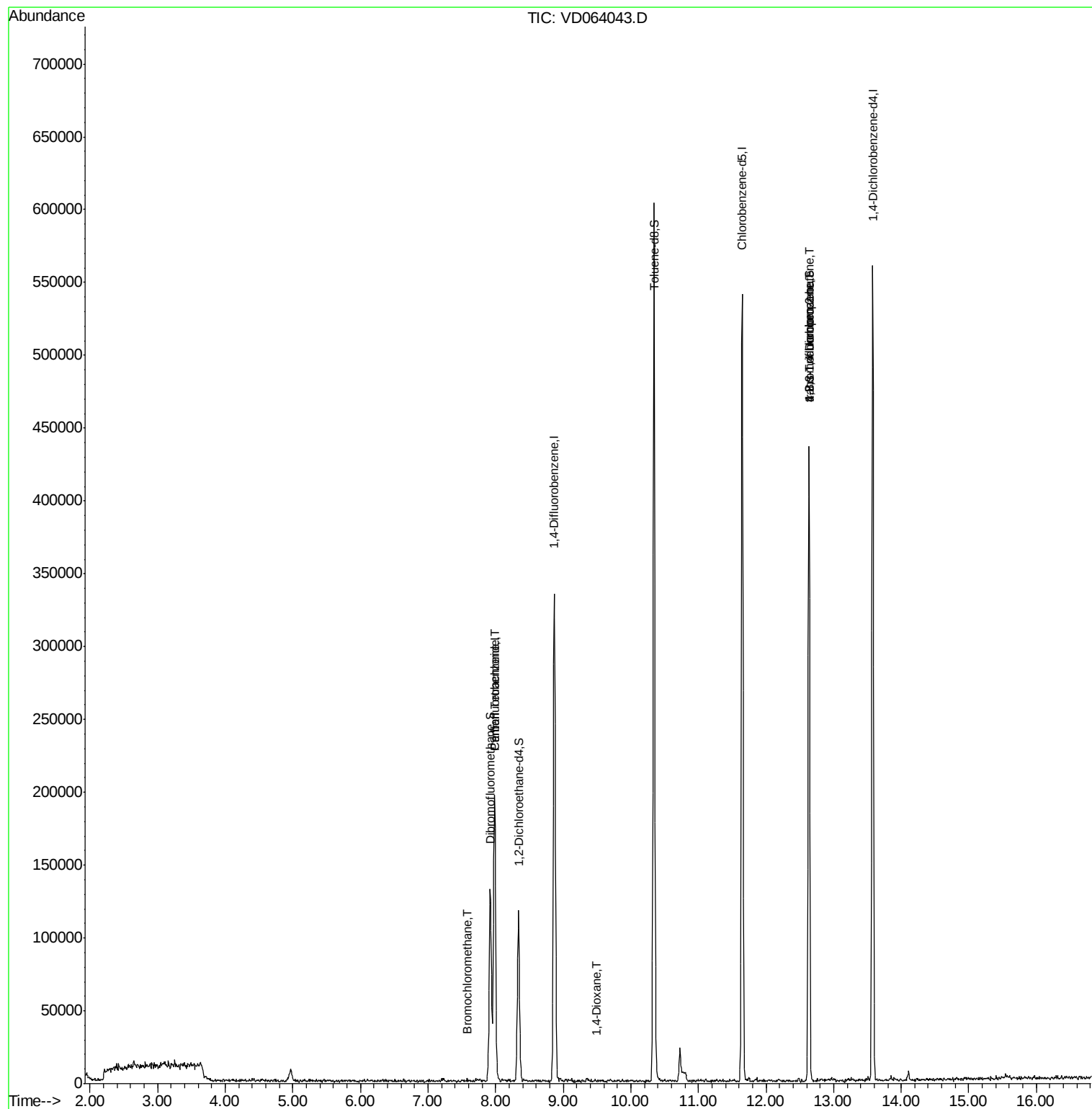
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	702	Below Cal		96
11) Tert butyl alcohol	5.26	59	85	Below Cal	#	71
28) Bromochloromethane	7.58	49	222	2.084	ug/l #	10
31) Cyclohexane	7.98	56	4465	Below Cal	#	37
37) Ethyl Acetate	7.28	43	54	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14382	5.593	ug/l #	20
49) 1,4-Dioxane	9.49	88	144	10.379	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	65267	71.372	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	65267	126.300	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	59	Below Cal	#	1

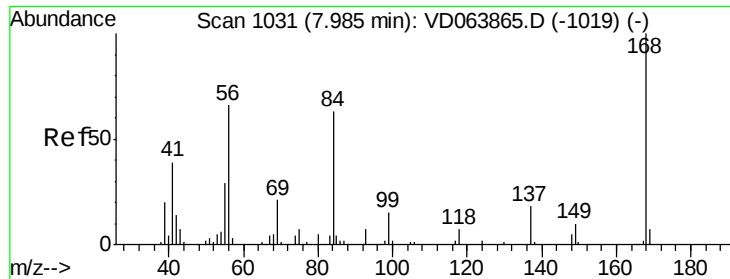
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064043.D

Acq: 24 Oct 2019 13:29

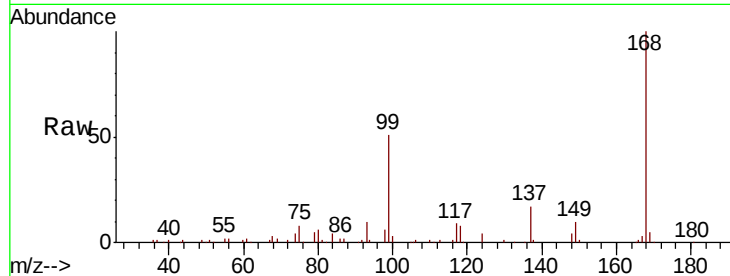
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 145914

Ion Ratio Lower Upper

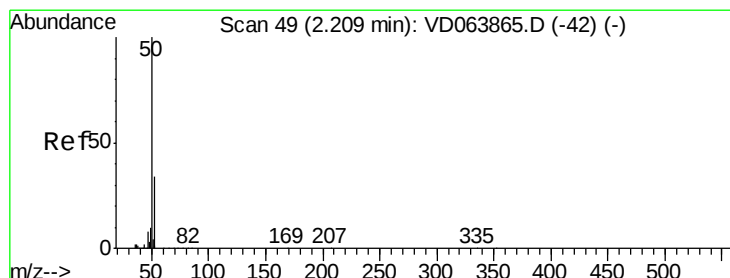
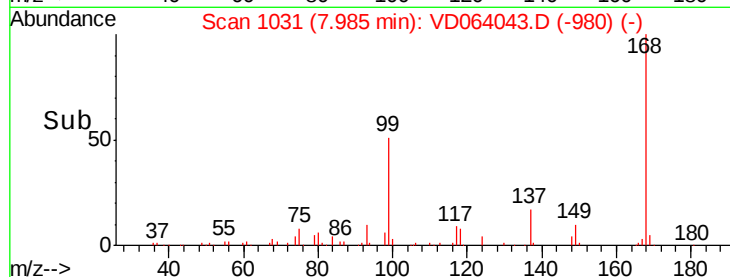
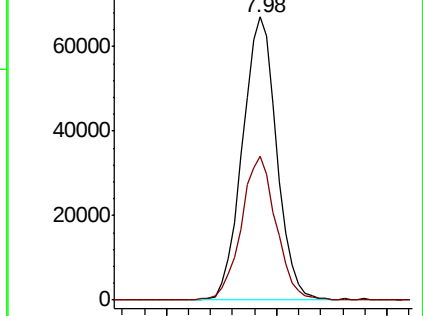
168 100

99 50.8 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: VD064043.D

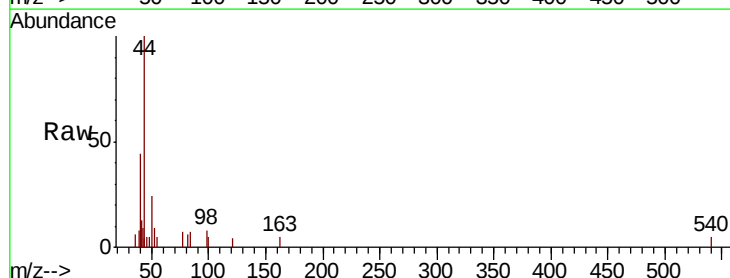
Acq: 24 Oct 2019 13:29

Tgt Ion: 50 Resp: 702

Ion Ratio Lower Upper

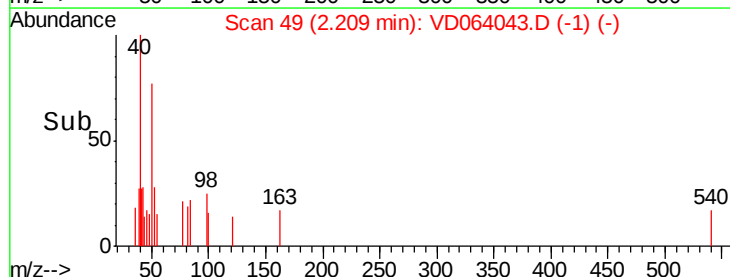
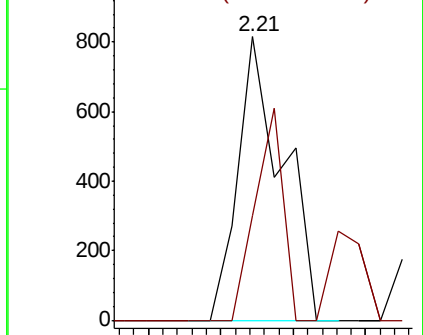
50 100

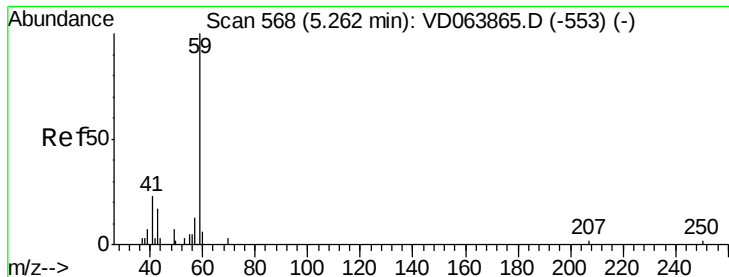
52 36.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



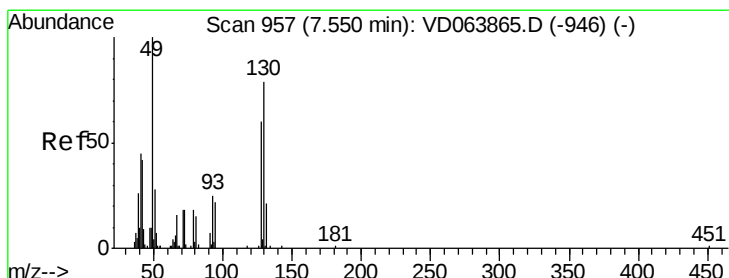
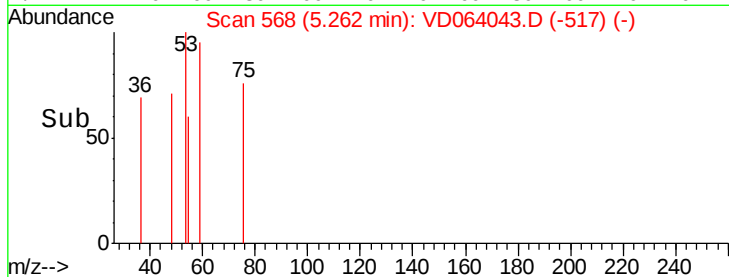
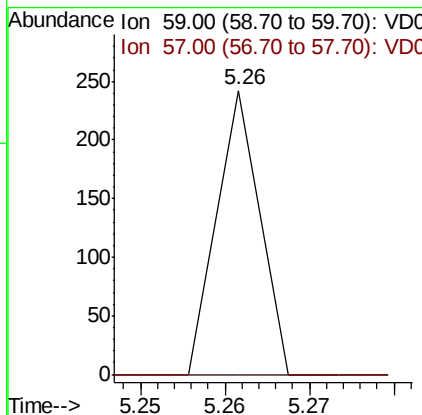
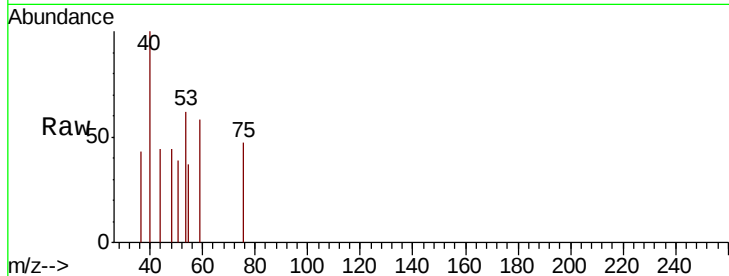


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD064043.D
 Acq: 24 Oct 2019 13:29

Instrument :
 MSVOA_D
 ClientSampled :

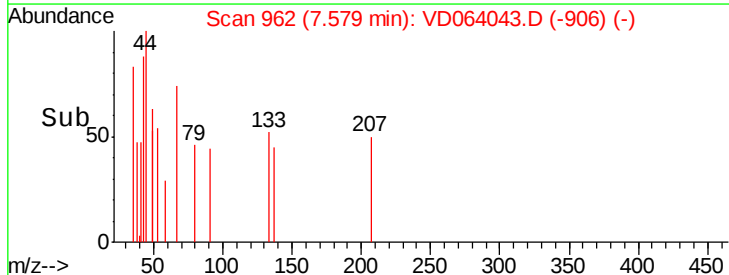
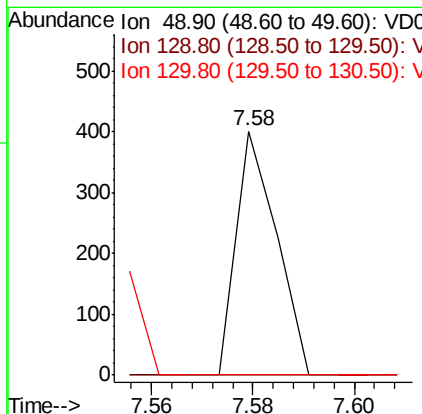
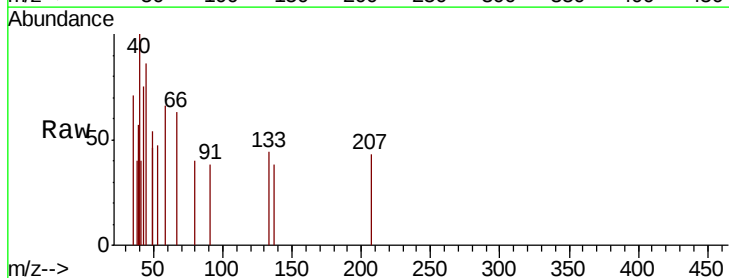
Tot Ion: 59 Resp: 85
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

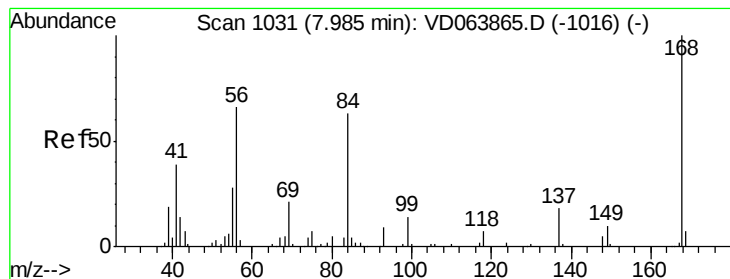


#28

Bromochloromethane
 Concen: 2.084 ug/l
 RT: 7.58 min Scan# 962
 Delta R.T. 0.03 min
 Lab File: VD064043.D
 Acq: 24 Oct 2019 13:29

Tgt Ion: 49 Resp: 222
 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# 1030

Delta R.T. -0.01 min

Lab File: VD064043.D

Acq: 24 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

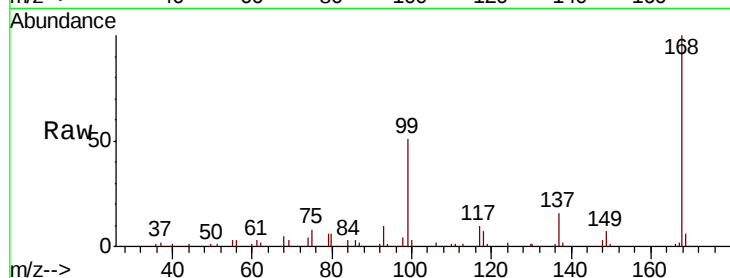
Tot Ion: 56 Resp: 4465

Ion Ratio Lower Upper

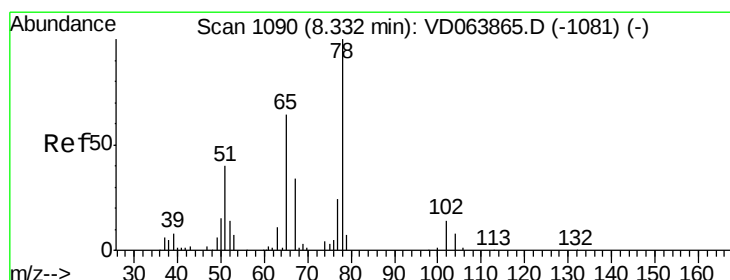
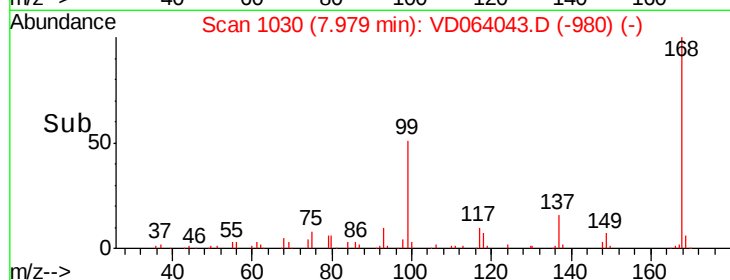
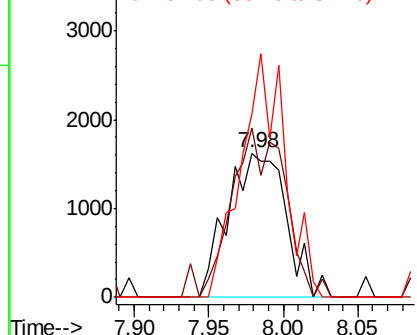
56 100

69 117.7 25.0 37.4#

84 127.4 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: 59.602 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064043.D

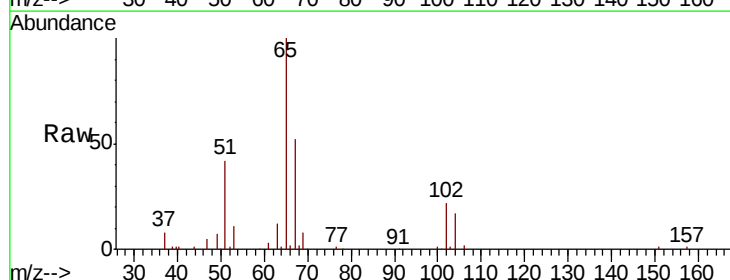
Acq: 24 Oct 2019 13:29

Tgt Ion: 65 Resp: 84670

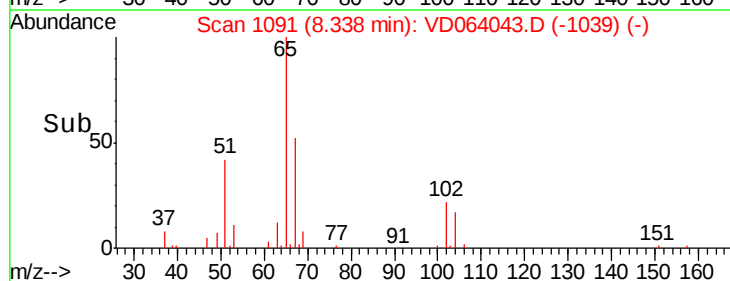
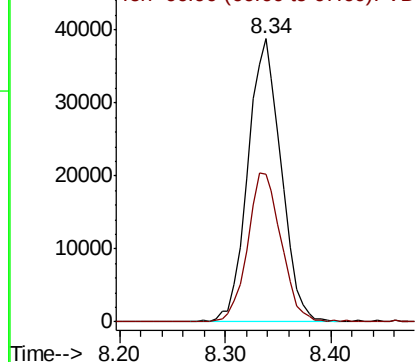
Ion Ratio Lower Upper

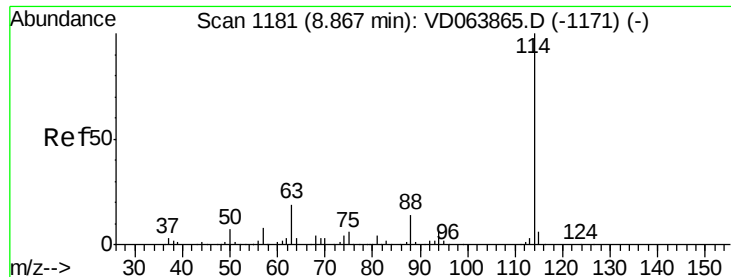
65 100

67 53.0 0.0 106.4



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

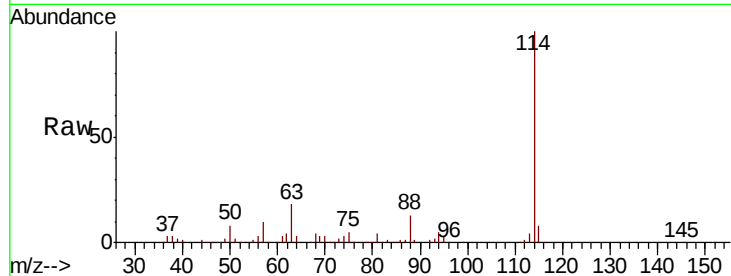




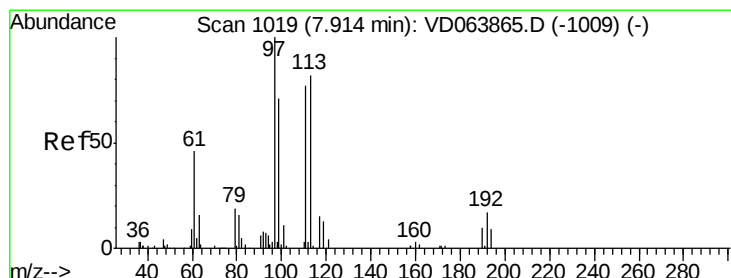
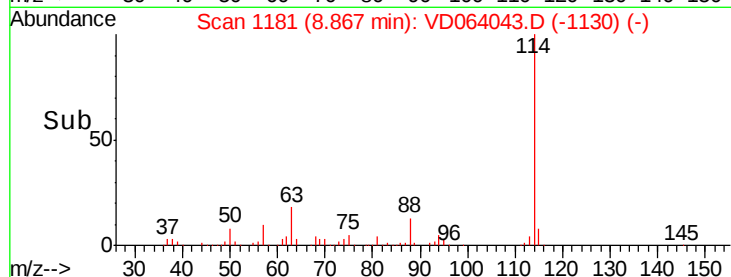
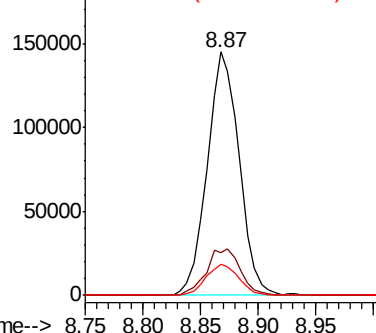
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064043.D
 Acq: 24 Oct 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	38.4
88	12.9	0.0	27.4

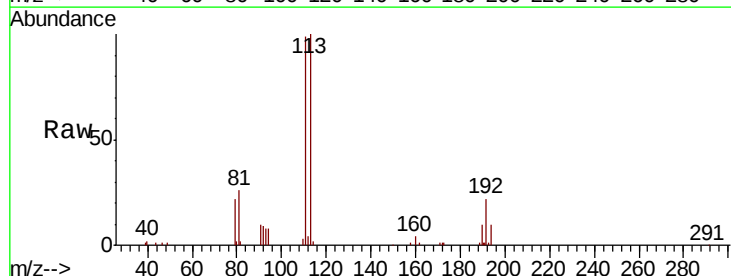


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

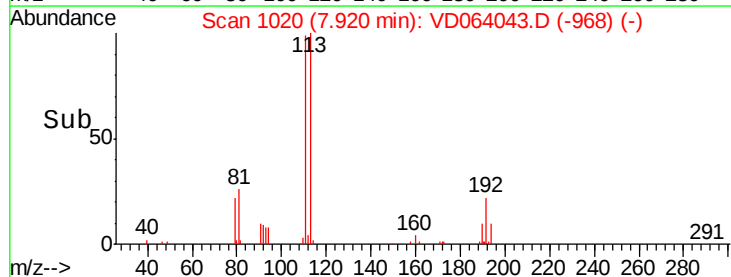
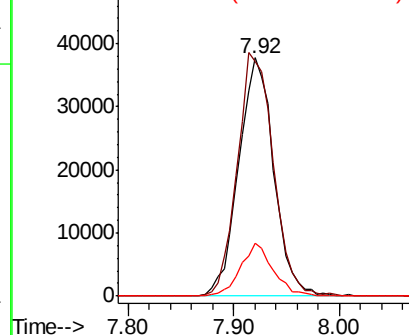


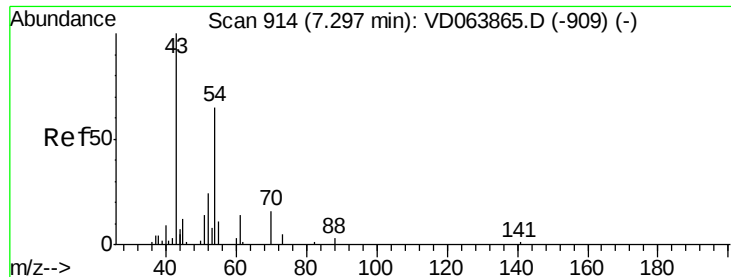
#35
 Dibromofluoromethane
 Concen: 51.153 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064043.D
 Acq: 24 Oct 2019 13:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.6	123.8
192	20.4	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

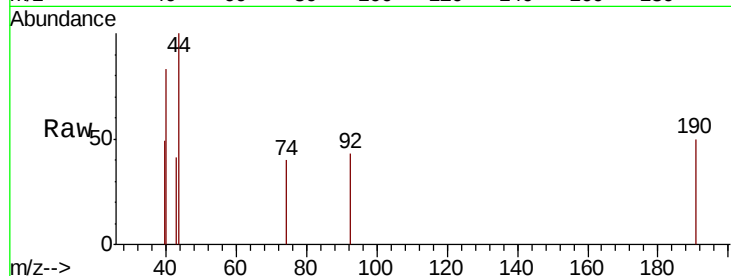




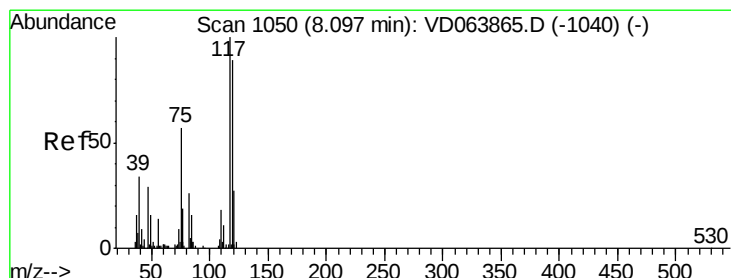
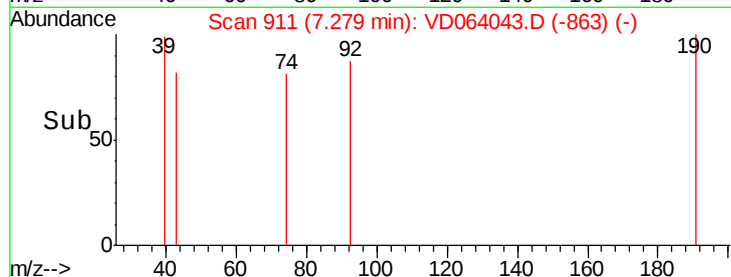
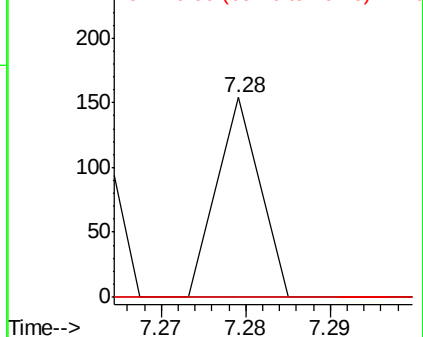
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.28 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD064043.D
Acq: 24 Oct 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

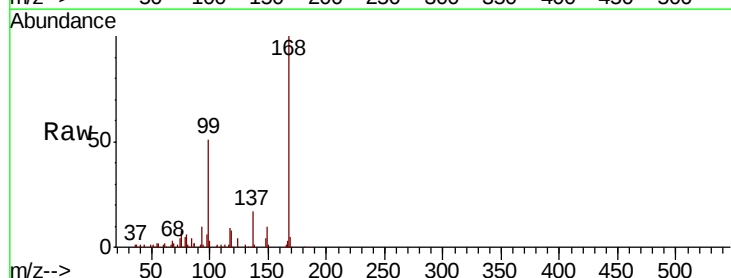


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

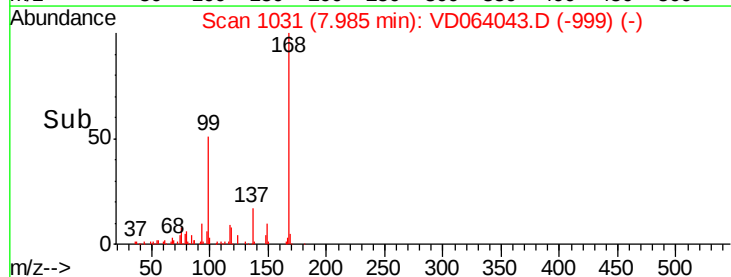
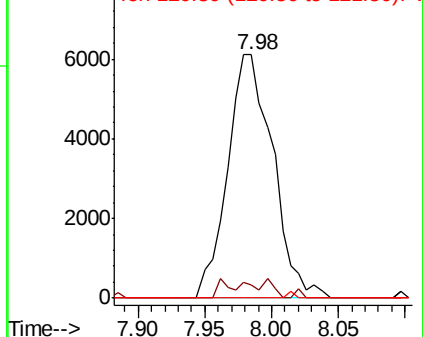


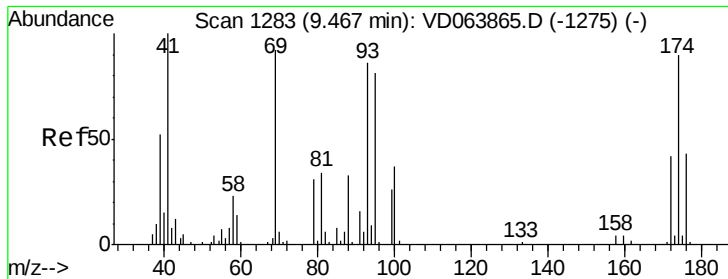
#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064043.D
Acq: 24 Oct 2019 13:29

Tgt Ion: 117 Resp: 14382
Ion Ratio Lower Upper
117 100
119 5.3 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

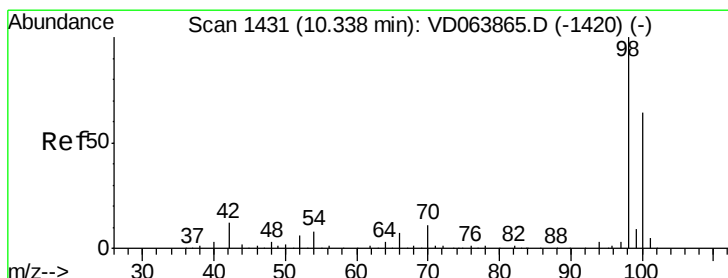
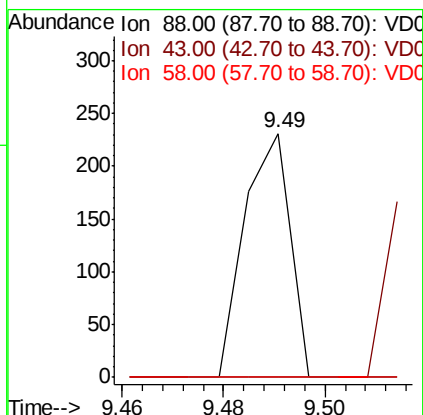
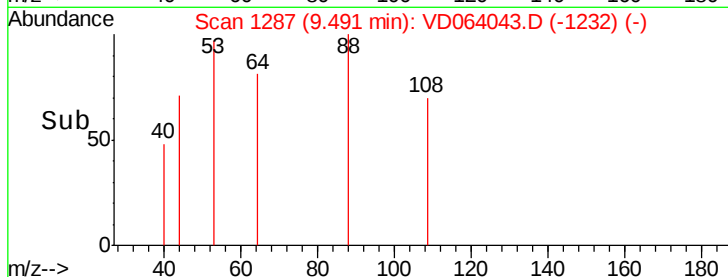
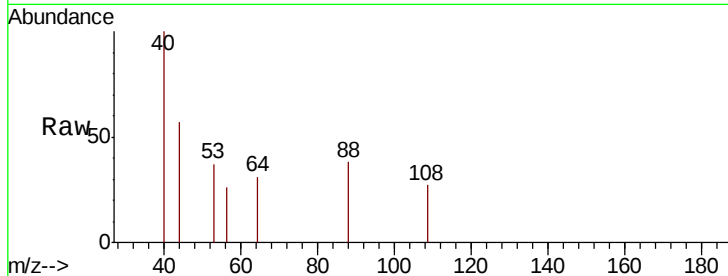




#49
1,4-Dioxane
Concen: 10.379 ug/l
RT: 9.49 min Scan# 1287
Delta R.T. 0.02 min
Lab File: VD064043.D
Acq: 24 Oct 2019 13:29

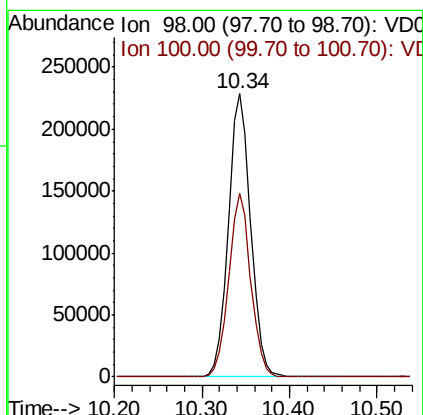
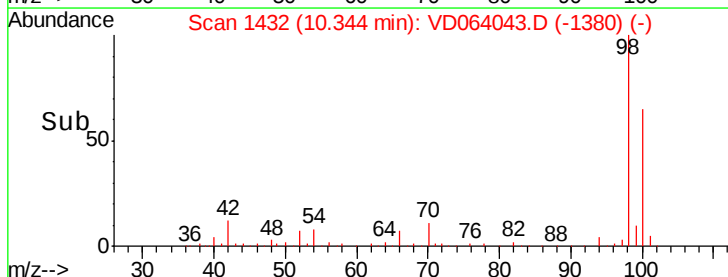
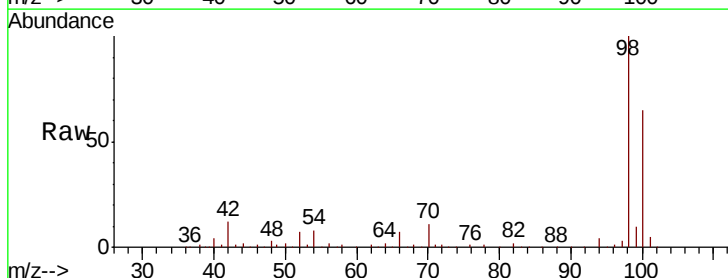
Instrument :
MSVOA_D
ClientSampleId :

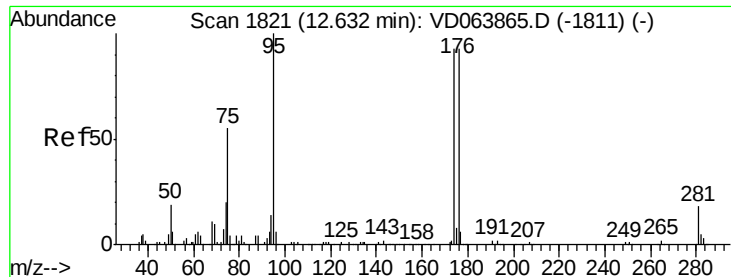
Tot Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 57.391 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064043.D
Acq: 24 Oct 2019 13:29

Tgt Ion: 98 Resp: 396176
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1

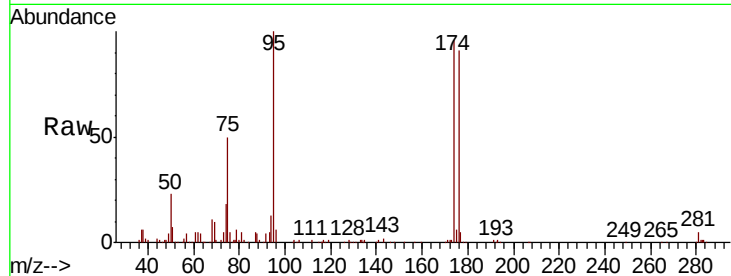




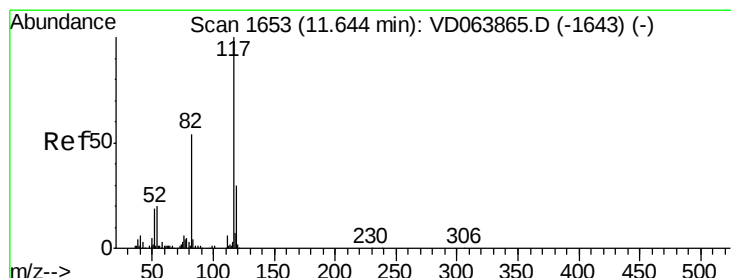
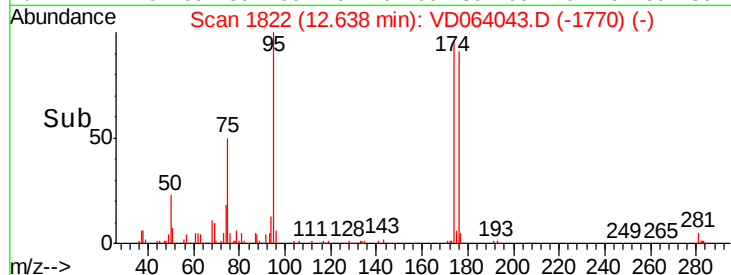
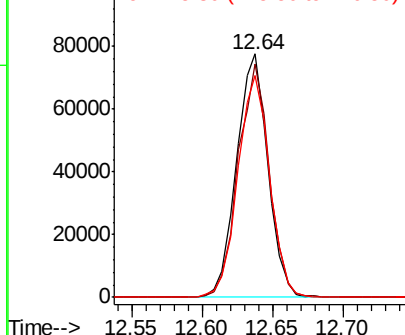
#62
4-Bromofluorobenzene
Concen: 49.947 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064043.D
Acq: 24 Oct 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 119813
Ion Ratio Lower Upper
95 100
174 95.5 0.0 186.4
176 92.9 0.0 184.2

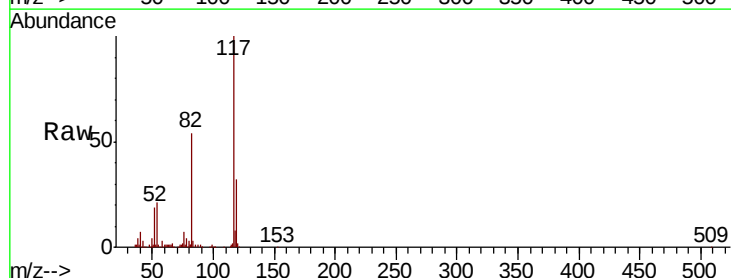


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

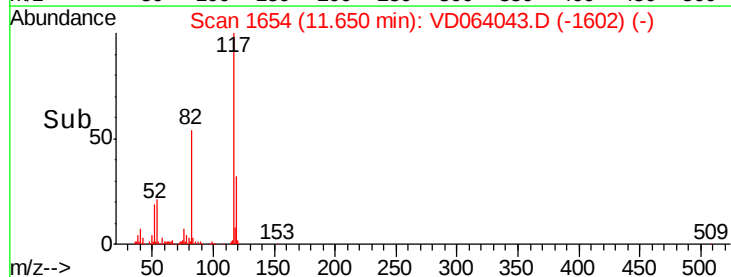
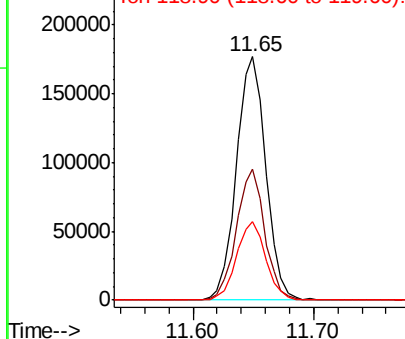


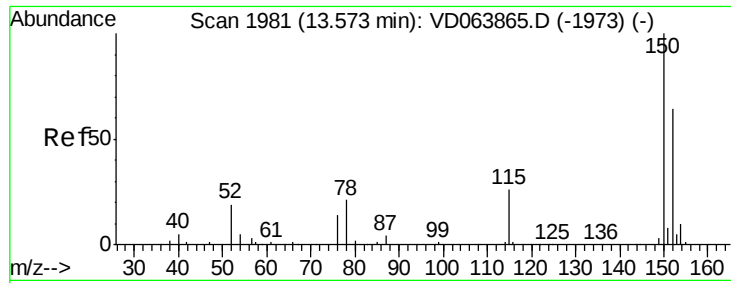
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064043.D
Acq: 24 Oct 2019 13:29

Tgt Ion: 117 Resp: 301476
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.4 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: VD064043.D

Acq: 24 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

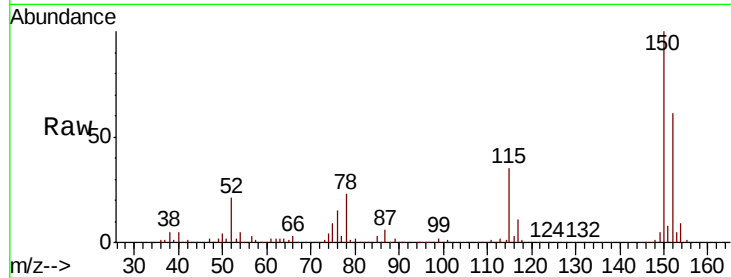
Tot Ion:152 Resp: 136533

Ion Ratio Lower Upper

152 100

115 56.6 25.9 77.7

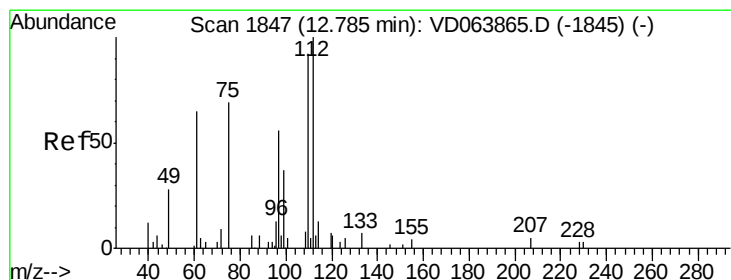
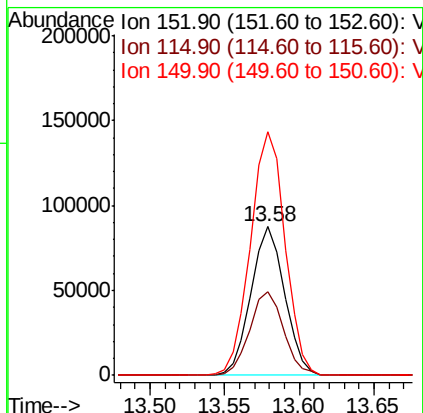
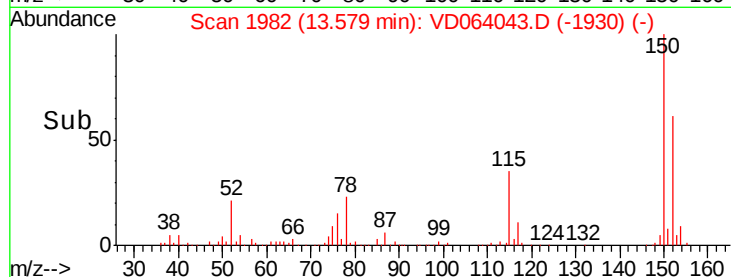
150 167.8 0.0 344.2



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: 71.372 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD064043.D

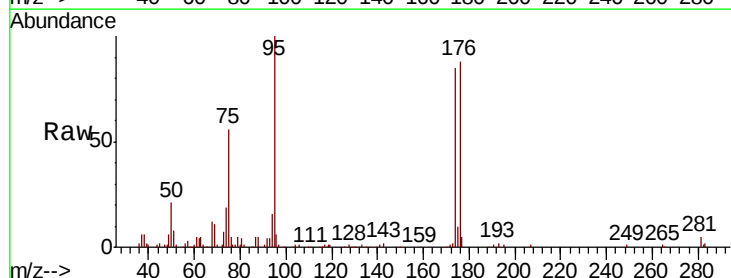
Acq: 24 Oct 2019 13:29

Tgt Ion: 75 Resp: 65267

Ion Ratio Lower Upper

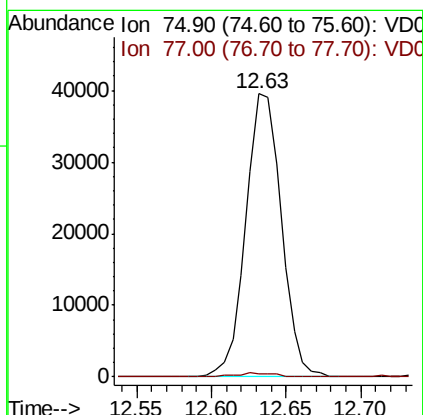
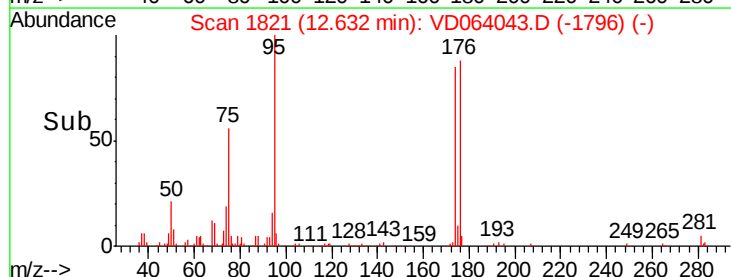
75 100

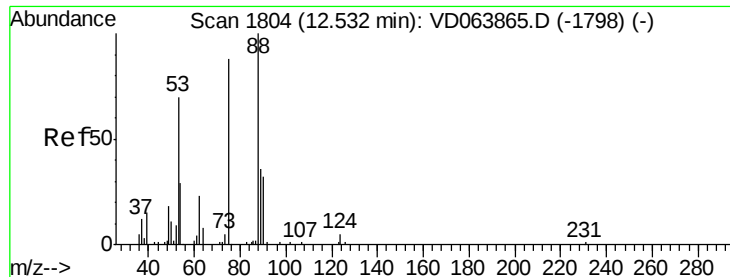
77 1.4 0.0 0.0#



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: 126.300 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064043.D

Acq: 24 Oct 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

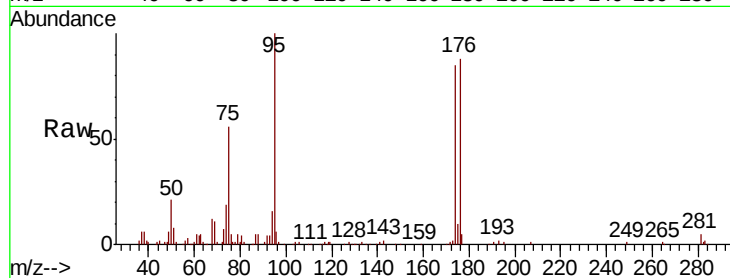
Tot Ion: 75 Resp: 65267

Ion Ratio Lower Upper

75 100

53 0.2 75.0 112.6#

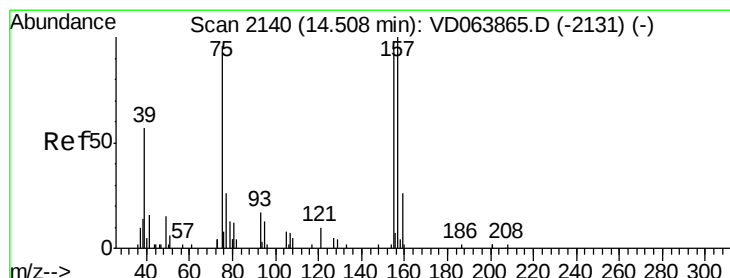
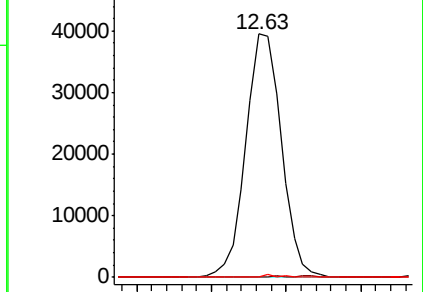
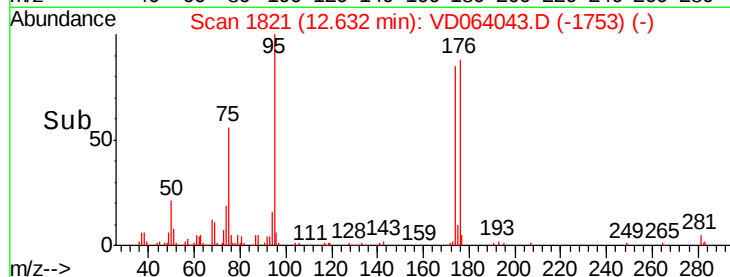
89 0.4 38.2 57.4#



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# 2141

Delta R.T. 0.01 min

Lab File: VD064043.D

Acq: 24 Oct 2019 13:29

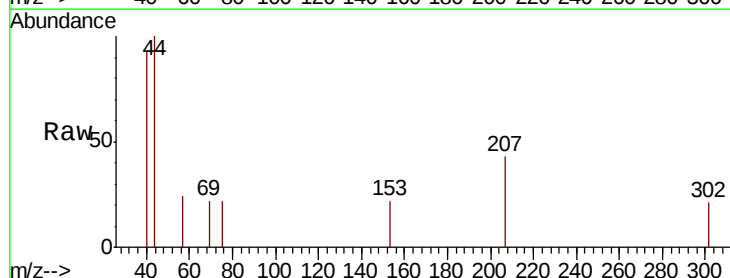
Tgt Ion: 75 Resp: 59

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

