

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064943.D
 Acq On : 24 Jan 2020 15:14
 Operator : VA/SY
 Sample : L1243-04RE
 Misc : 7.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:39:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	459200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269244	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	204280	46.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.76%	
35) Dibromofluoromethane	7.92	113	224726	48.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.92%	
50) Toluene-d8	10.34	98	887702	49.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.64	95	255851	46.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.42%	

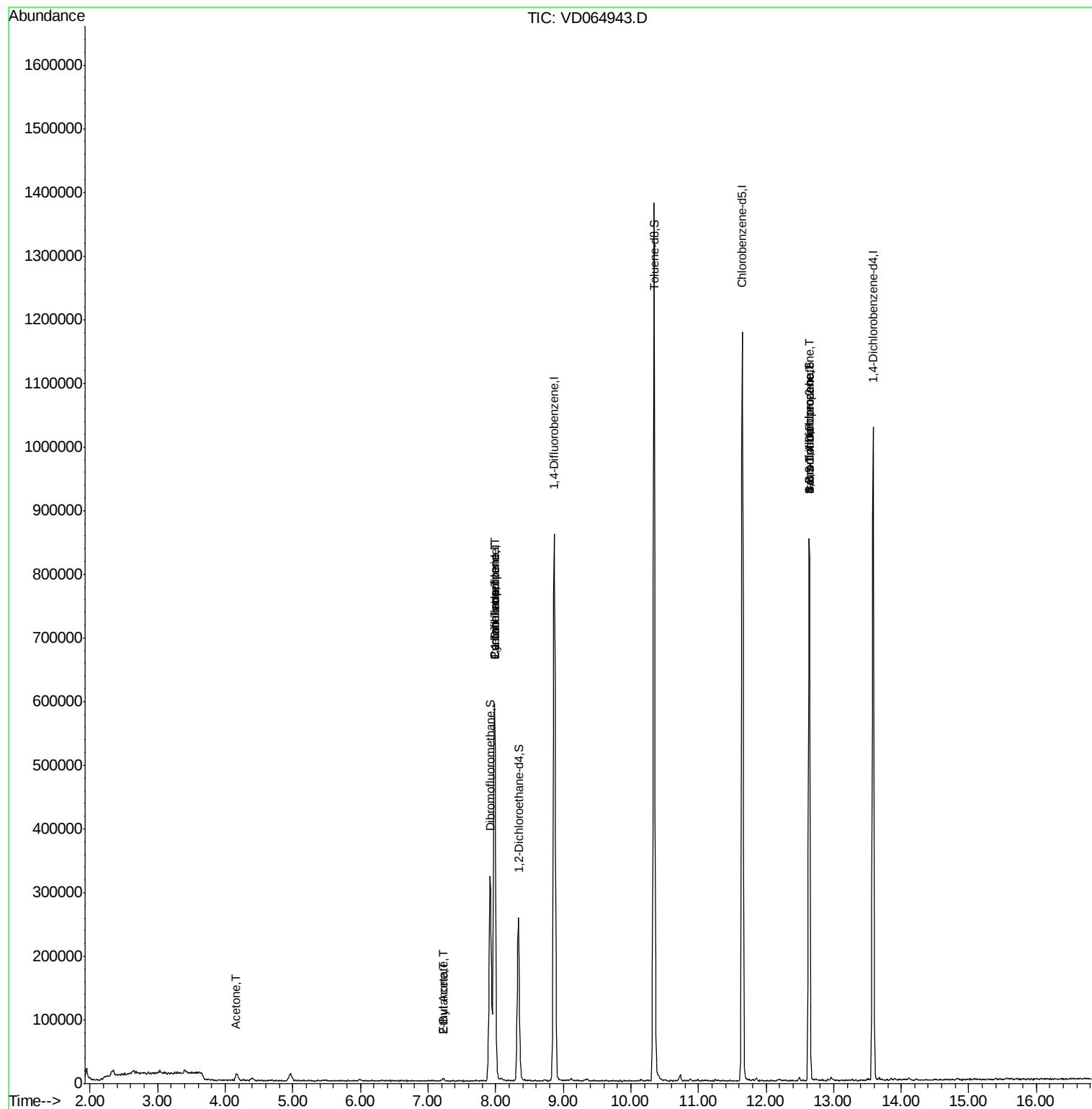
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	19583	28.963	ug/l	97
20) Methylene Chloride	4.97	84	8095	Below Cal	#	88
25) 2-Butanone	7.23	43	4509	3.789	ug/l	98
31) Cyclohexane	7.99	56	11225	1.463	ug/l #	41
36) 1,1-Dichloropropene	7.99	75	36291	5.100	ug/l #	50
37) Ethyl Acetate	7.23	43	4509	1.534	ug/l #	71
38) Carbon Tetrachloride	7.99	117	44506	5.918	ug/l #	18
71) Bromoform	12.64	173	3199	1.157	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	136589	61.120	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136589	130.506	ug/l #	9

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
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: VD064943.D

Acq: 24 Jan 2020 15:14

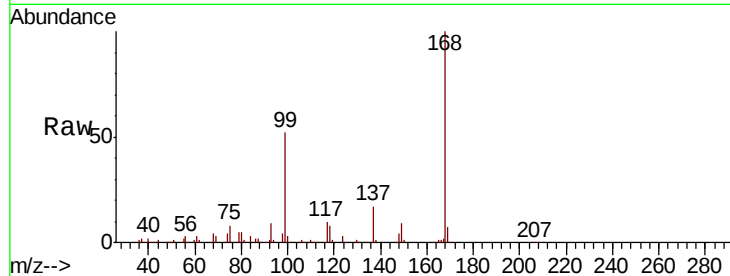
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 459200

Ion Ratio Lower Upper

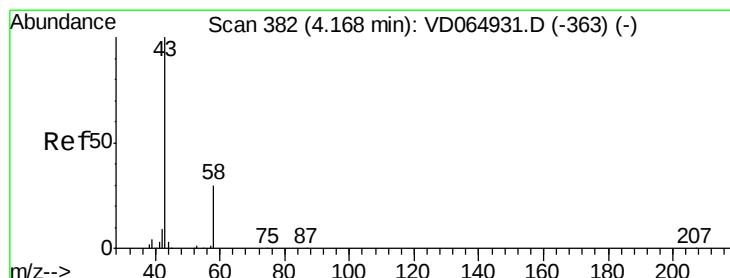
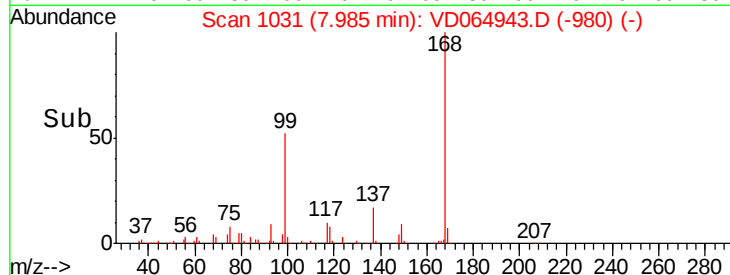
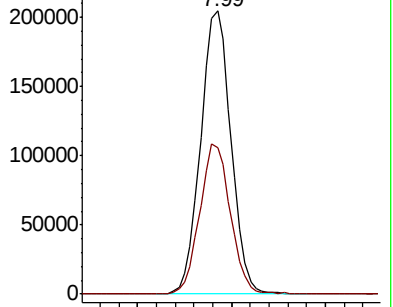
168 100

99 51.9 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 28.963 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064943.D

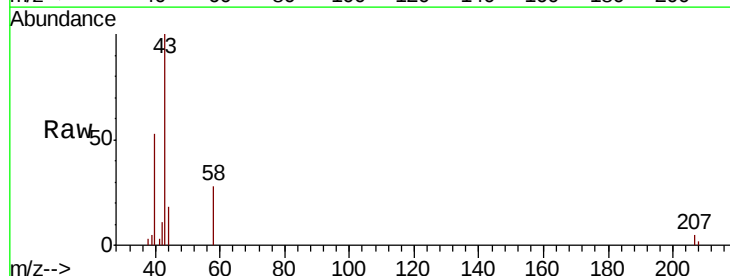
Acq: 24 Jan 2020 15:14

Tgt Ion: 43 Resp: 19583

Ion Ratio Lower Upper

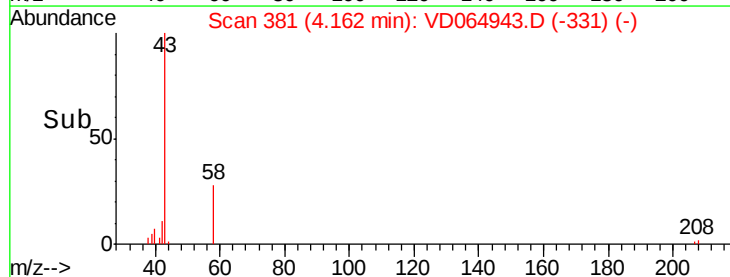
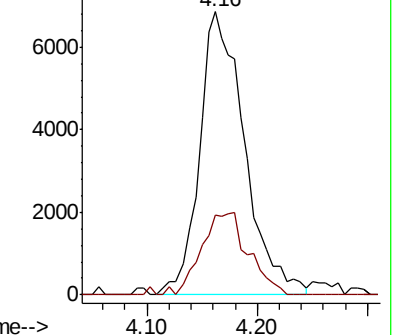
43 100

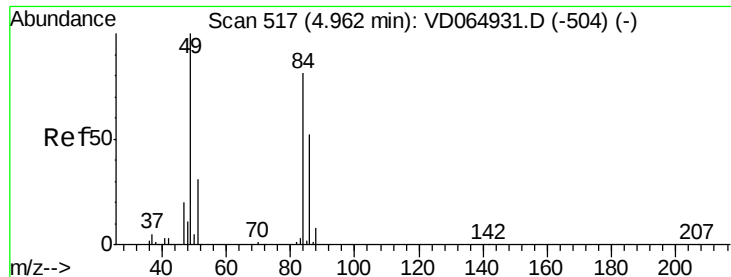
58 28.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

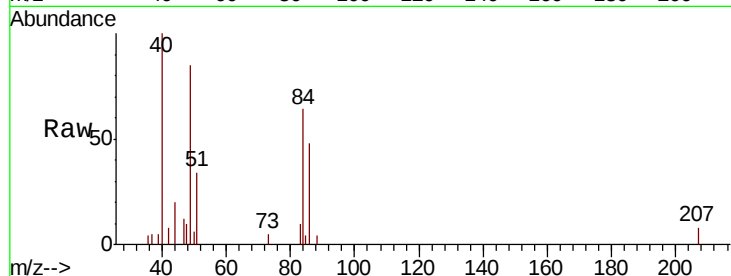




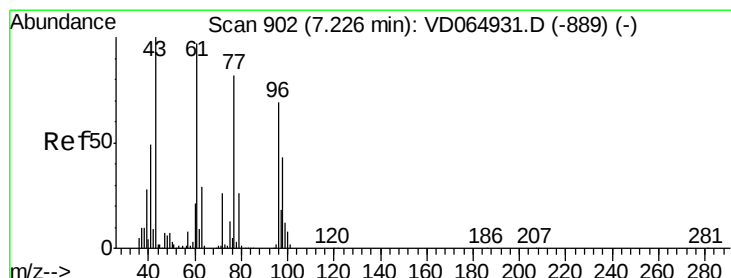
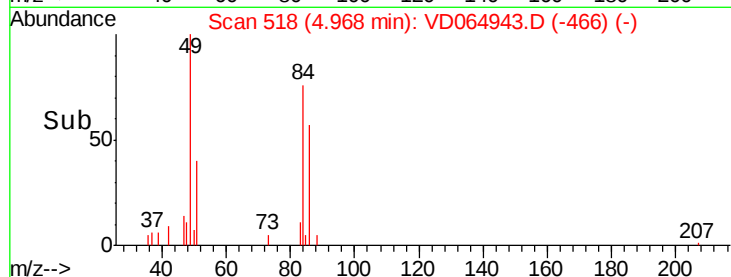
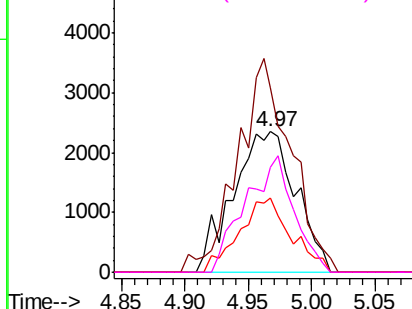
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064943.D
Acq: 24 Jan 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 8095
Ion Ratio Lower Upper
84 100
49 131.5 98.4 147.6
51 53.0 30.8 46.2#
86 74.6 51.0 76.6

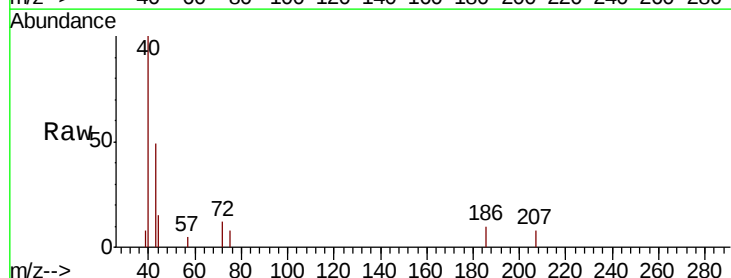


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

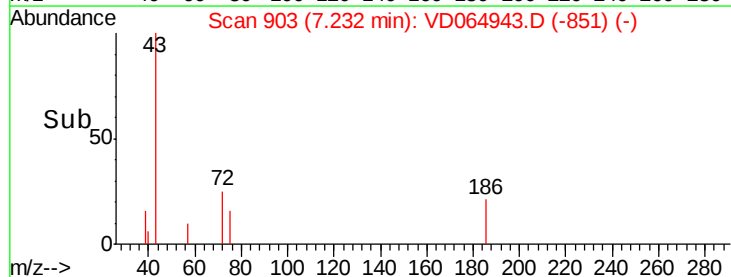
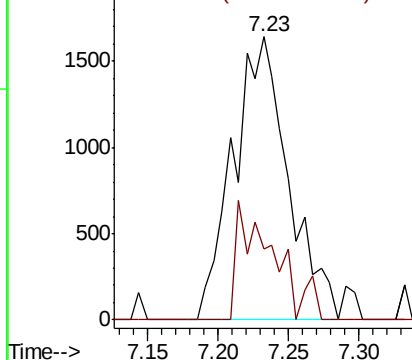


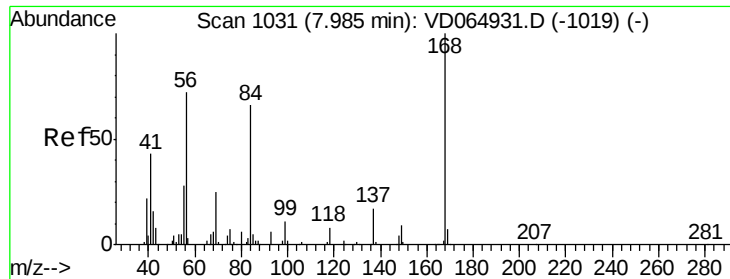
#25
2-Butanone
Concen: 3.789 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064943.D
Acq: 24 Jan 2020 15:14

Tgt Ion: 43 Resp: 4509
Ion Ratio Lower Upper
43 100
72 24.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

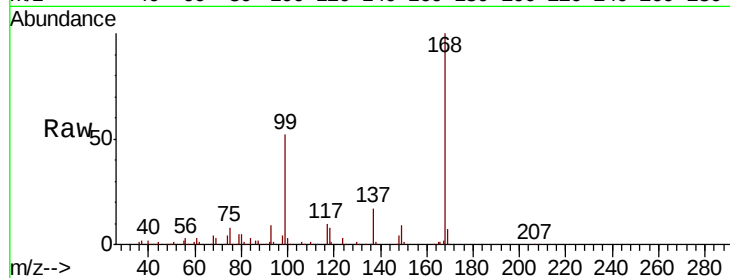




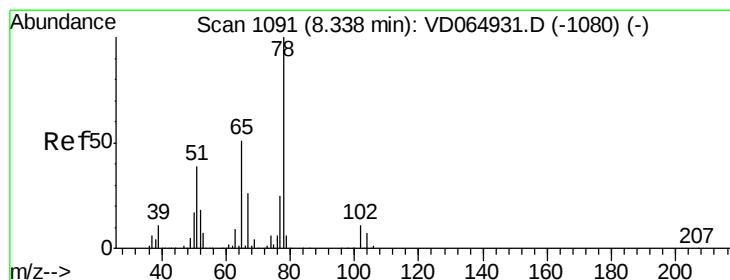
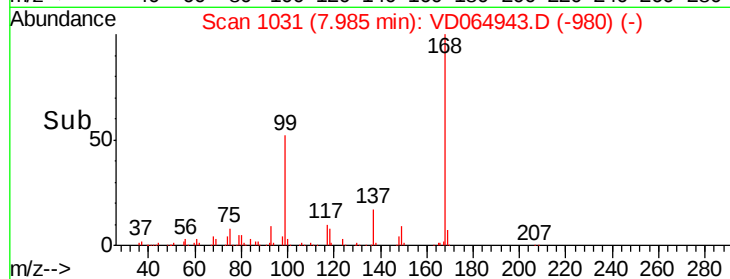
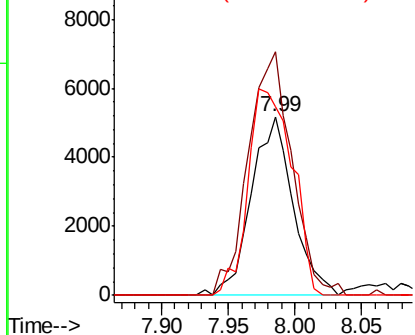
#31
Cyclohexane
Concen: 1.463 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064943.D
Acq: 24 Jan 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 11225
Ion Ratio Lower Upper
56 100
69 136.1 27.9 41.9#
84 105.1 72.8 109.2

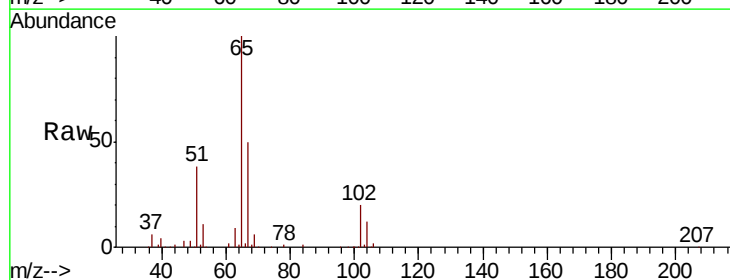


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

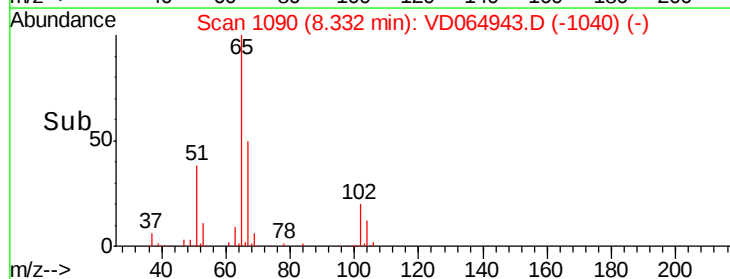
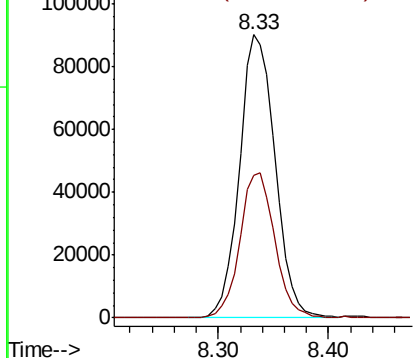


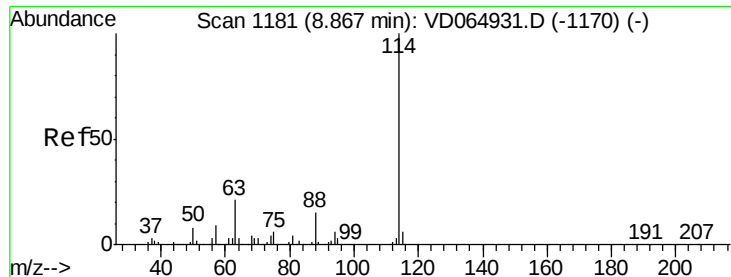
#33
1,2-Dichloroethane-d4
Concen: 46.377 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064943.D
Acq: 24 Jan 2020 15:14

Tgt Ion: 65 Resp: 204280
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.6



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

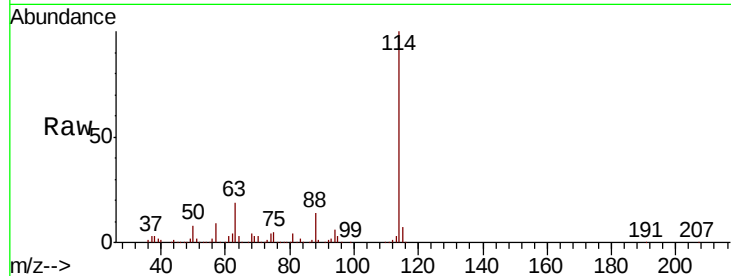




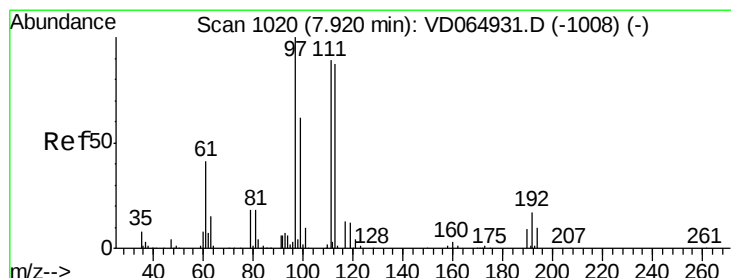
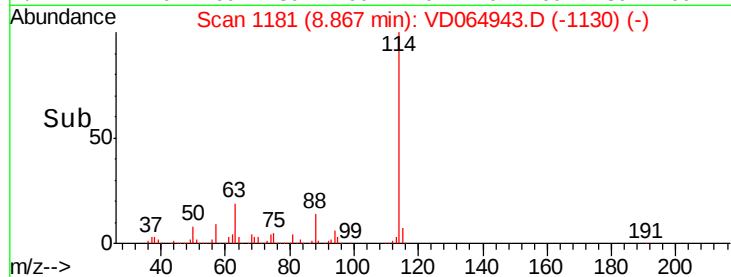
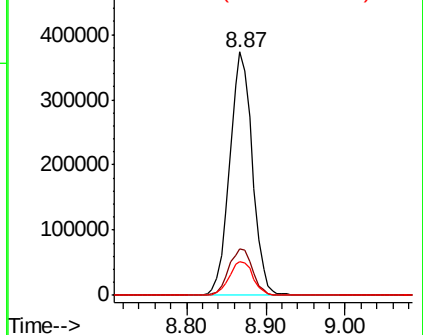
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064943.D
 Acq: 24 Jan 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	42.0
88	13.7	0.0	29.4

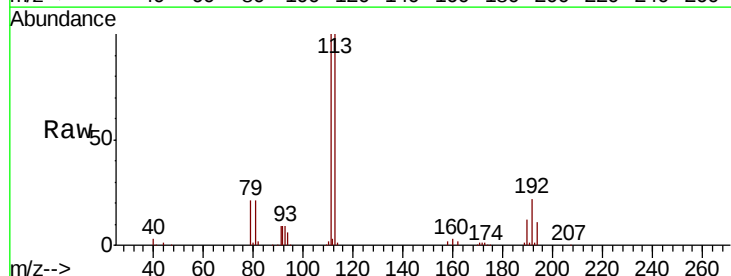


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

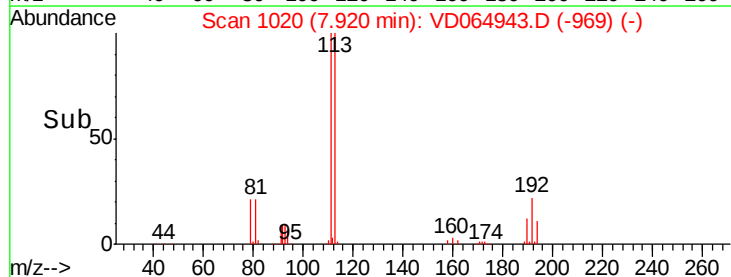
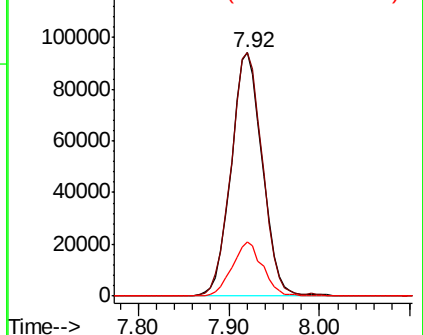


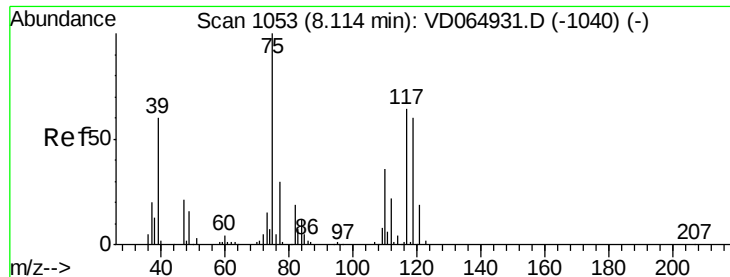
#35
 Dibromofluoromethane
 Concen: 48.461 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064943.D
 Acq: 24 Jan 2020 15:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.4	123.6
192	21.7	16.9	25.3



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: 5.100 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :

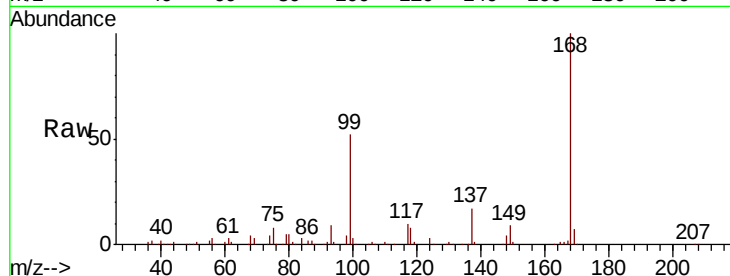
Tot Ion: 75 Resp: 36291

Ion Ratio Lower Upper

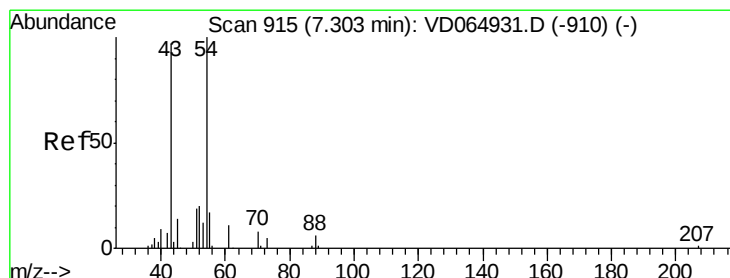
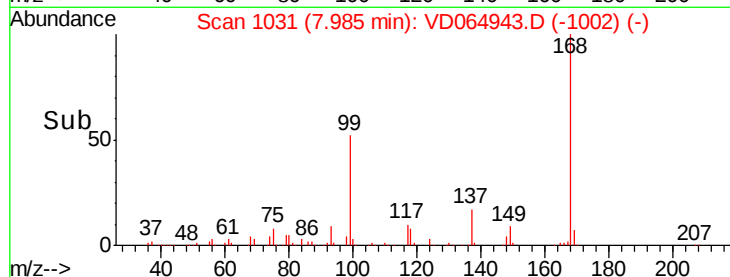
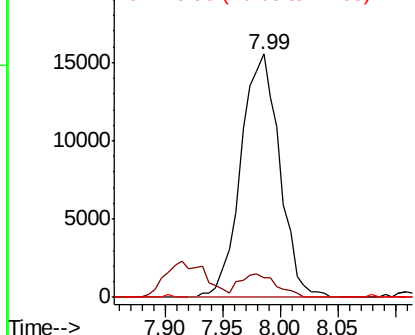
75 100

110 9.2 17.3 52.0#

77 0.0 24.7 37.1#



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: 1.534 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.07 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

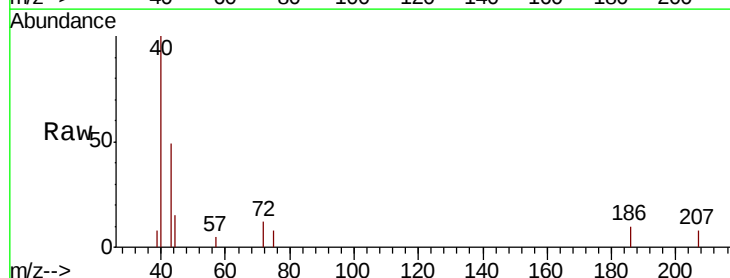
Tgt Ion: 43 Resp: 4509

Ion Ratio Lower Upper

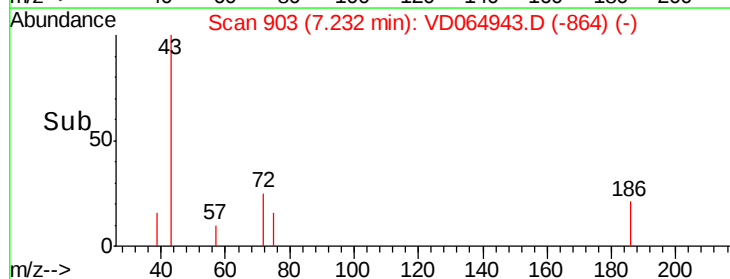
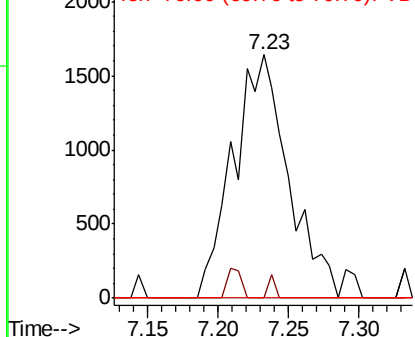
43 100

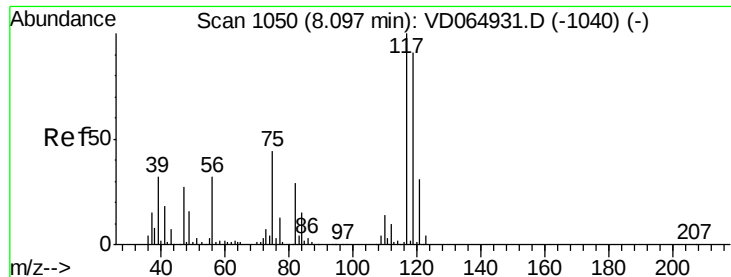
61 1.2 11.0 16.4#

70 0.0 7.5 11.3#



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: 5.918 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

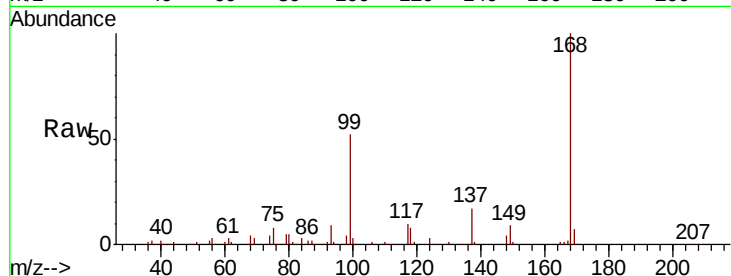
Tot Ion:117 Resp: 44506

Ion Ratio Lower Upper

117 100

119 5.3 73.2 109.8#

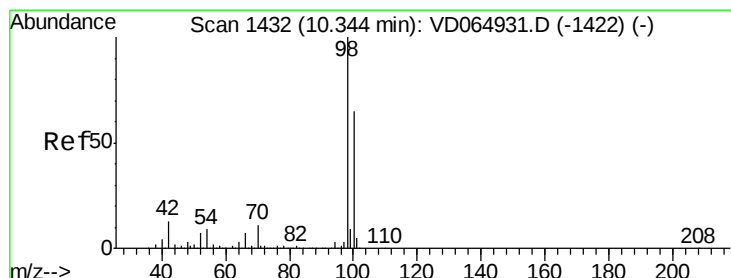
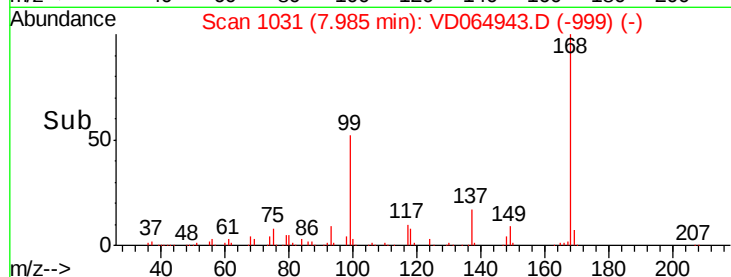
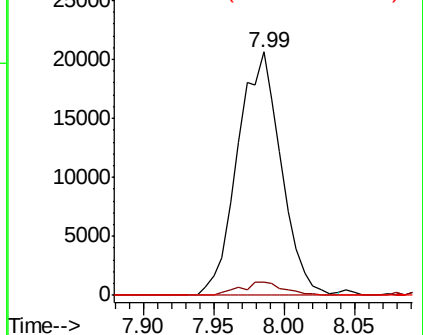
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 49.597 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064943.D

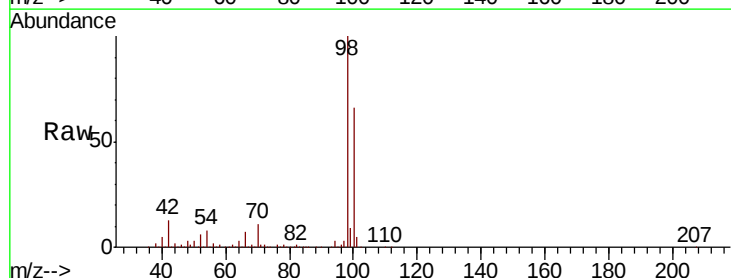
Acq: 24 Jan 2020 15:14

Tgt Ion: 98 Resp: 887702

Ion Ratio Lower Upper

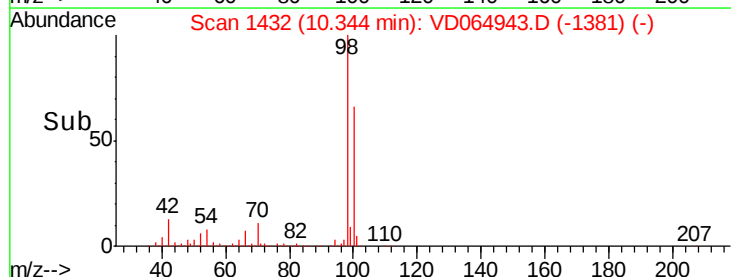
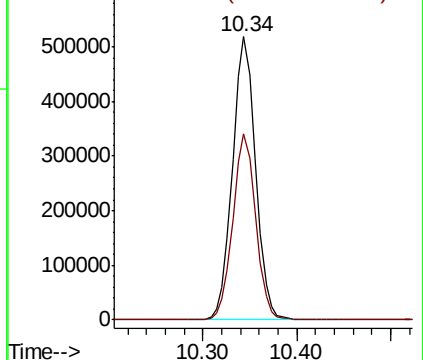
98 100

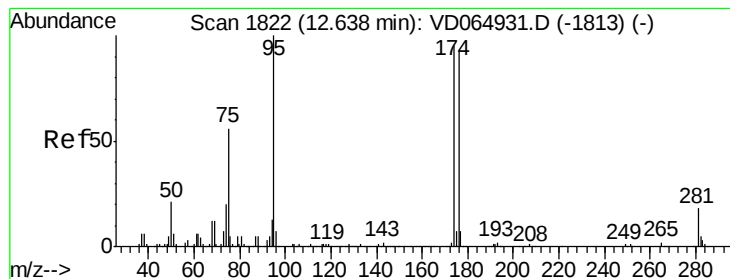
100 65.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.712 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

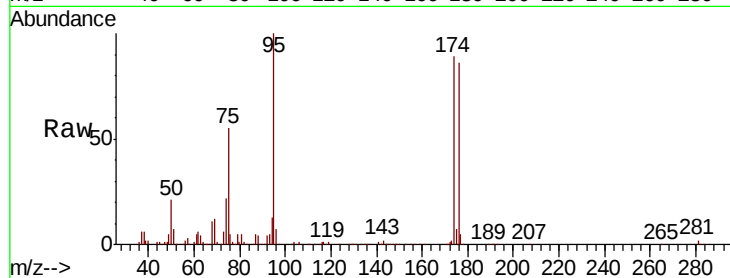
Tot Ion: 95 Resp: 255851

Ion Ratio Lower Upper

95 100

174 92.6 0.0 186.8

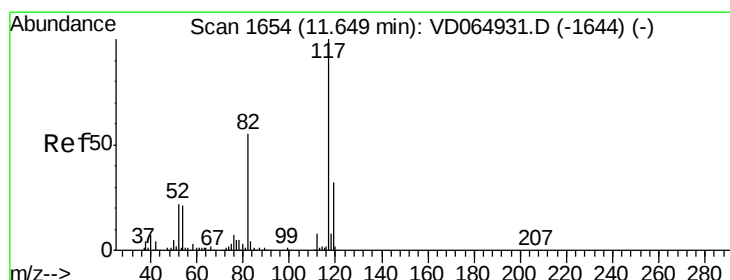
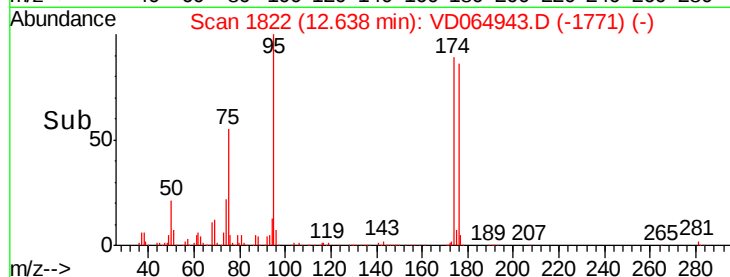
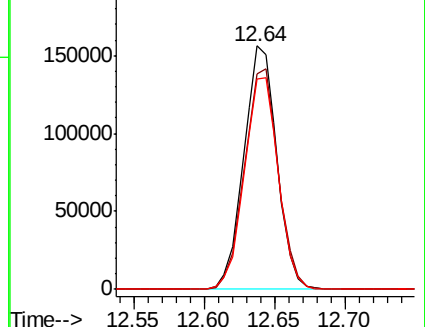
176 89.6 0.0 183.4



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. 0.00 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

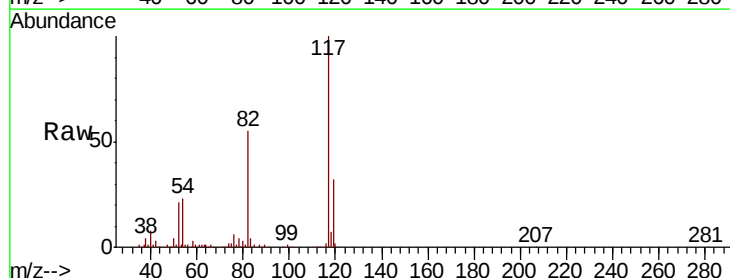
Tgt Ion: 117 Resp: 651344

Ion Ratio Lower Upper

117 100

82 55.3 43.6 65.4

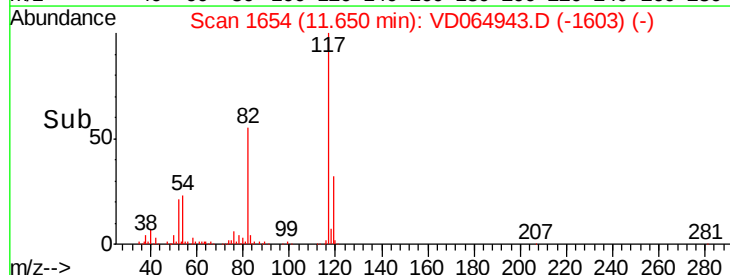
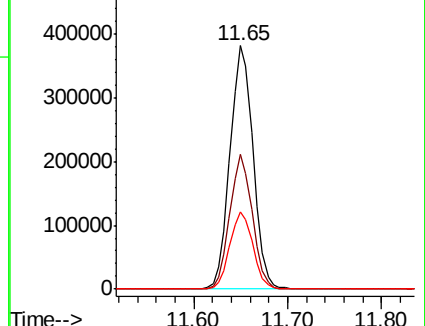
119 31.8 25.2 37.8

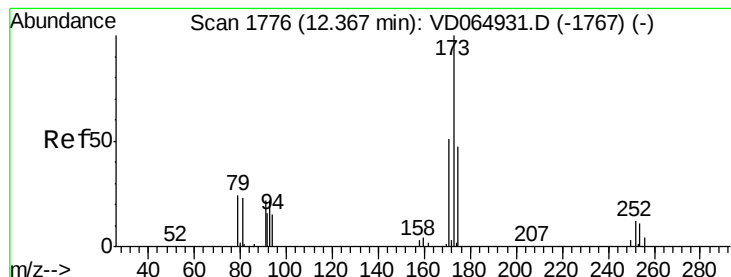


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.157 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

Instrument :

MSVOA_D

ClientSampleID :

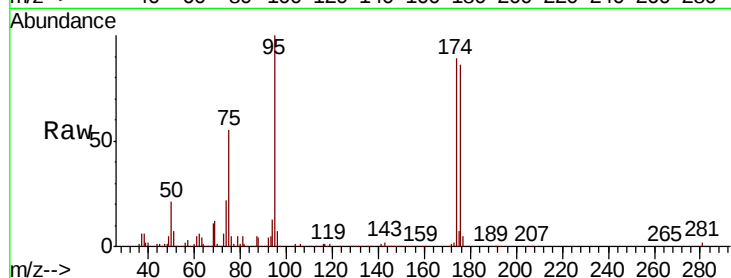
Tot Ion:173 Resp: 3199

Ion Ratio Lower Upper

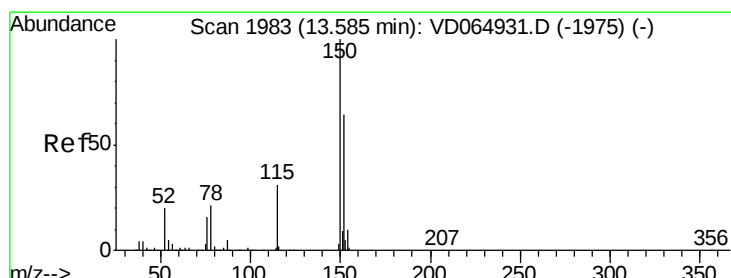
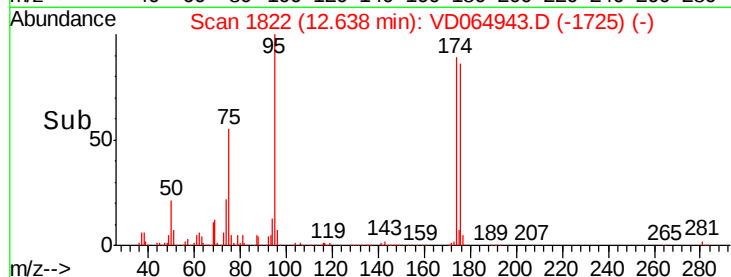
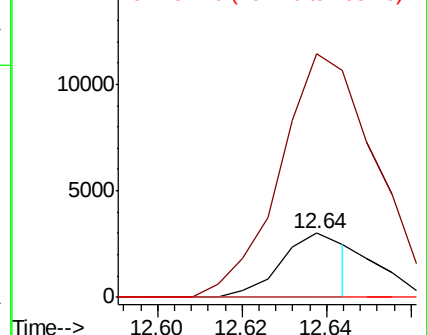
173 100

175 404.4 24.6 73.8#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

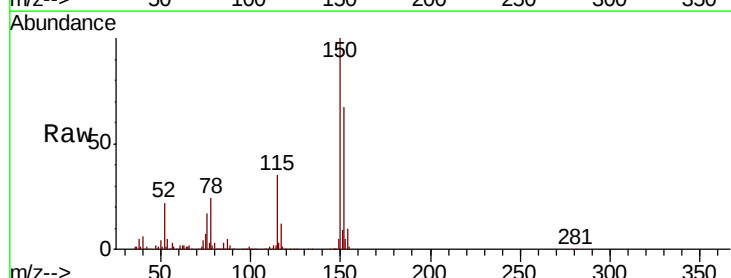
Tgt Ion:152 Resp: 269244

Ion Ratio Lower Upper

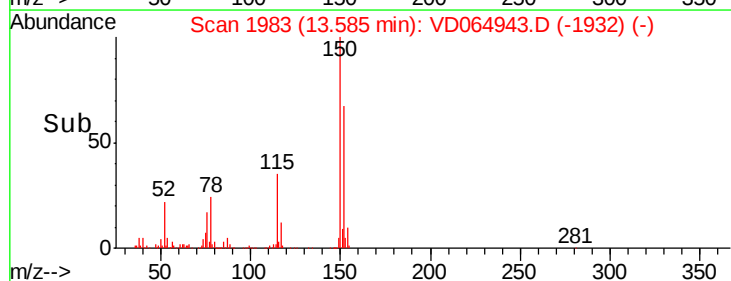
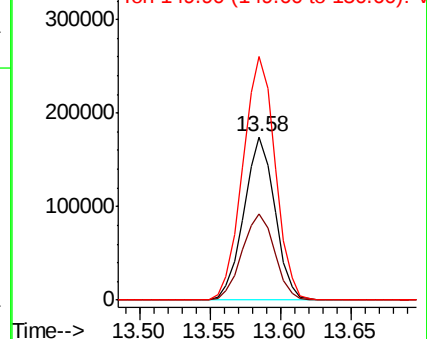
152 100

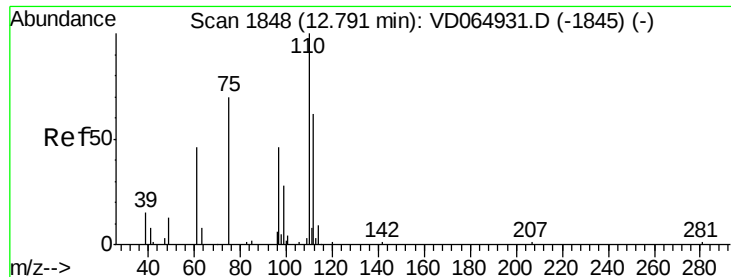
115 55.2 28.1 84.4

150 156.0 0.0 350.4



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: 61.120 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

Instrument :

MSVOA_D

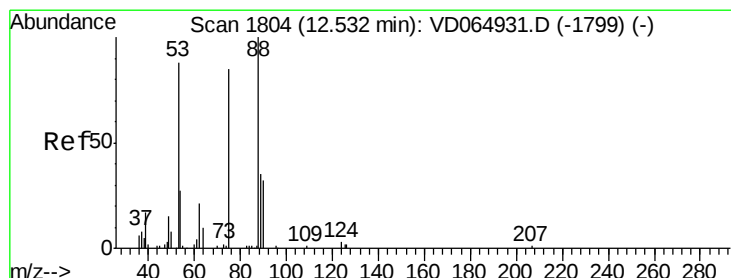
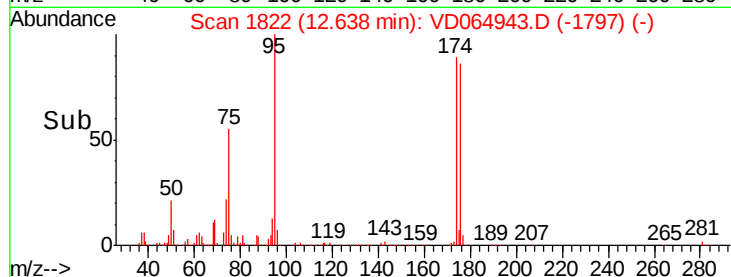
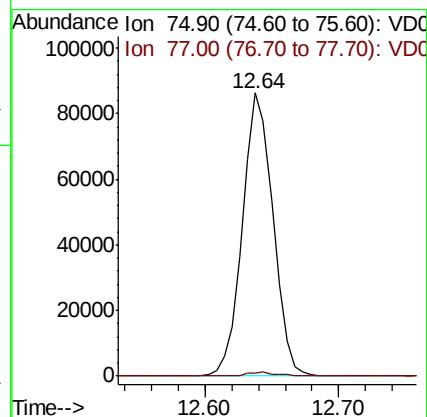
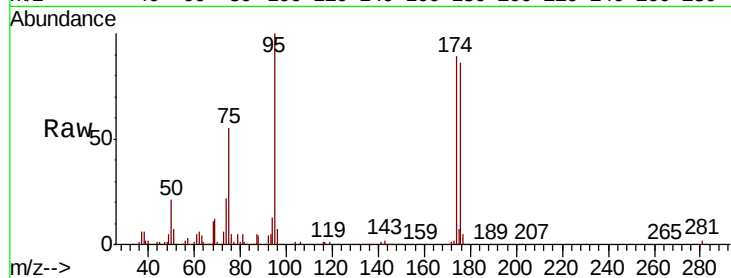
ClientSampleId :

Tot Ion: 75 Resp: 136589

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.506 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064943.D

Acq: 24 Jan 2020 15:14

Tgt Ion: 75 Resp: 136589

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.1 36.2 54.4#

