

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064887.D
 Acq On : 20 Jan 2020 13:40
 Operator : VA/SY
 Sample : L1176-02
 Misc : 4.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:09:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	394512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	633583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286821	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	200021	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
35) Dibromofluoromethane	7.92	113	206649	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
50) Toluene-d8	10.34	98	777500	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.64	95	244229	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	

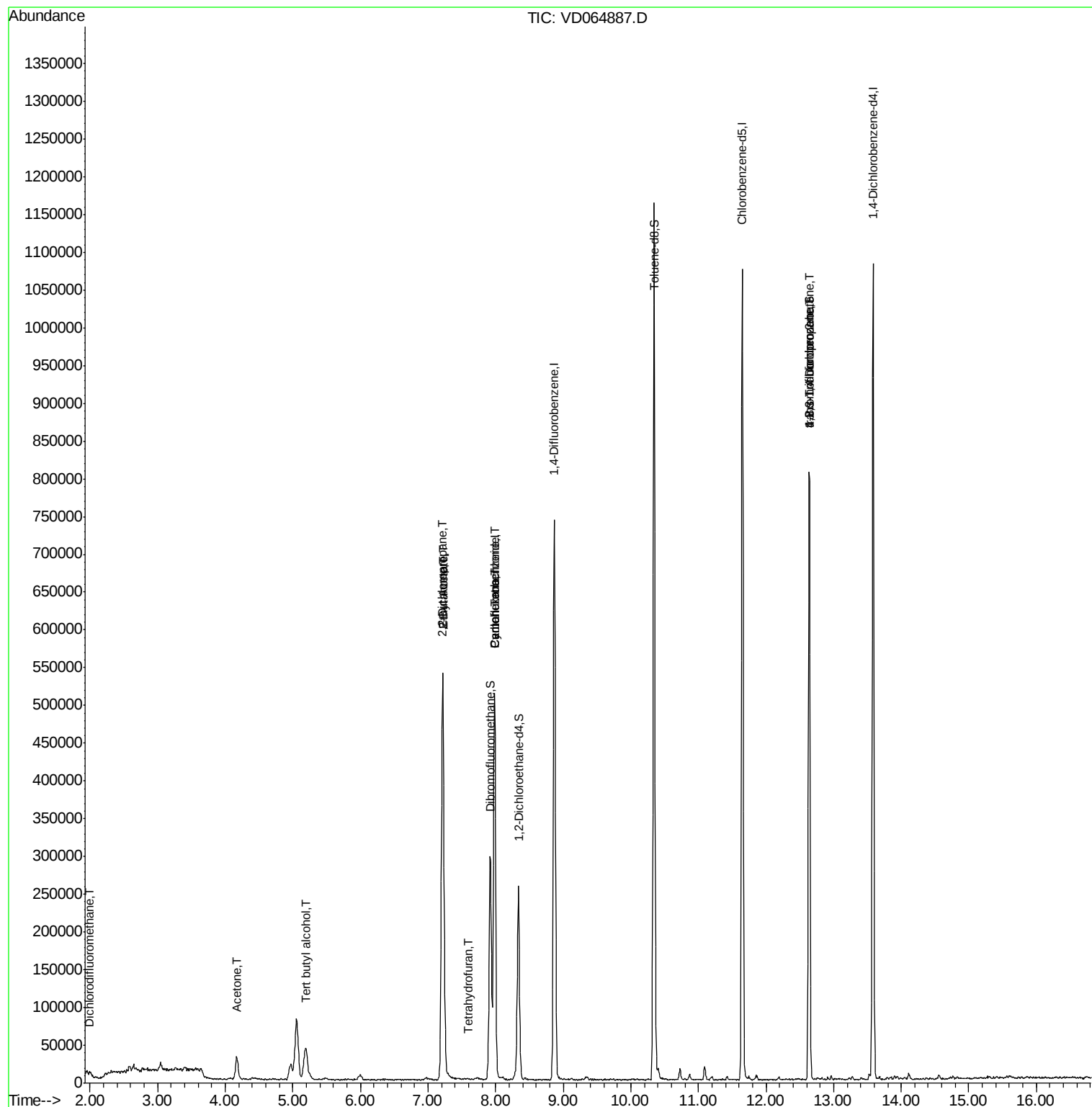
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3831	1.250	ug/l	84
11) Tert butyl alcohol	5.19	59	48539	243.463	ug/l #	72
16) Acetone	4.17	43	52791	69.279	ug/l	91
20) Methylene Chloride	4.97	84	15344	Below Cal		95
25) 2-Butanone	7.21	43	27627	28.892	ug/l #	70
26) 2,2-Dichloropropane	7.21	77	35277	5.855	ug/l #	53
29) Tetrahydrofuran	7.59	42	938	1.577	ug/l #	54
31) Cyclohexane	7.98	56	9423	1.453	ug/l #	35
37) Ethyl Acetate	7.21	43	27627	11.532	ug/l #	1
38) Carbon Tetrachloride	7.99	117	37907	5.830	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	135280	59.728	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	135280	124.920	ug/l #	10

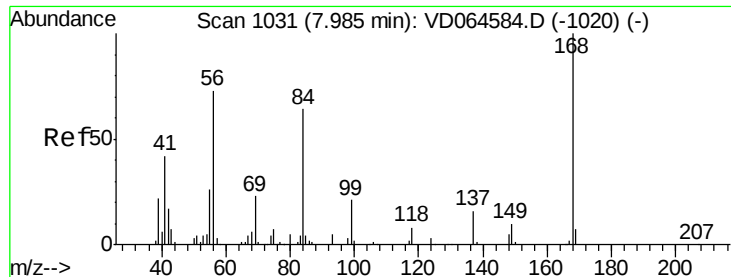
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012020\
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Quant Time: Jan 21 04:09:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 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: VD064887.D

Acq: 20 Jan 2020 13:40

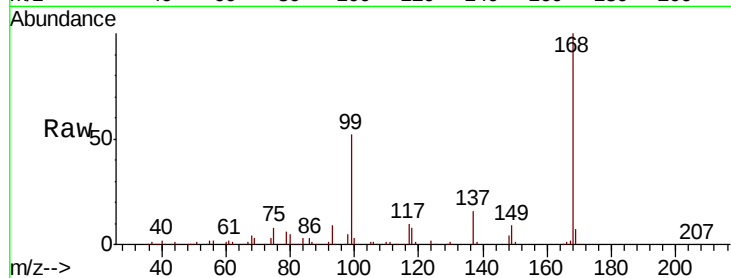
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 394512

Ion Ratio Lower Upper

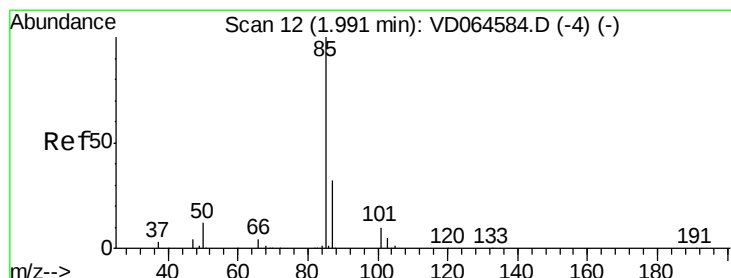
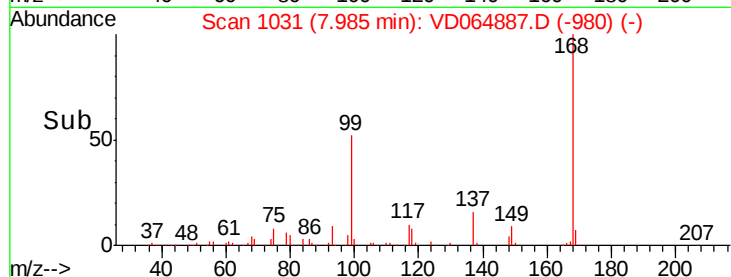
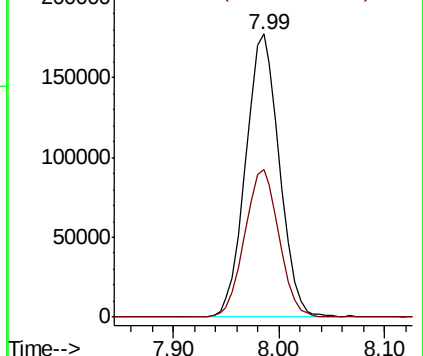
168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.250 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064887.D

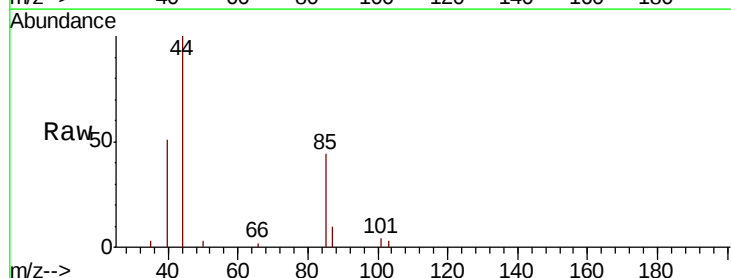
Acq: 20 Jan 2020 13:40

Tgt Ion: 85 Resp: 3831

Ion Ratio Lower Upper

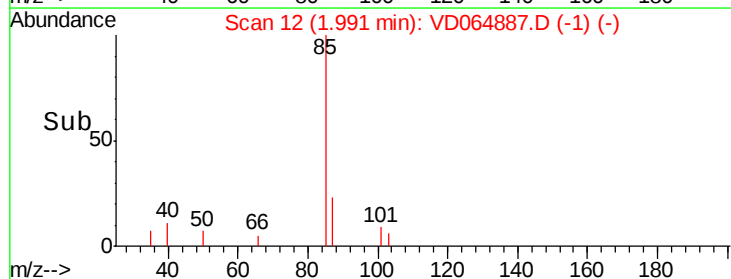
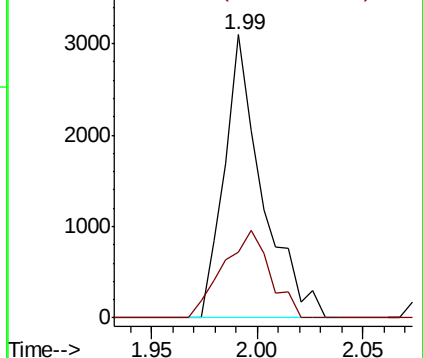
85 100

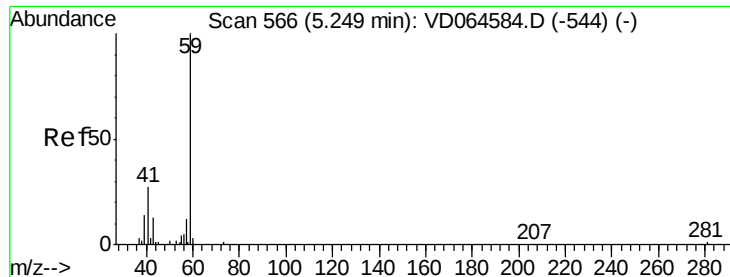
87 23.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

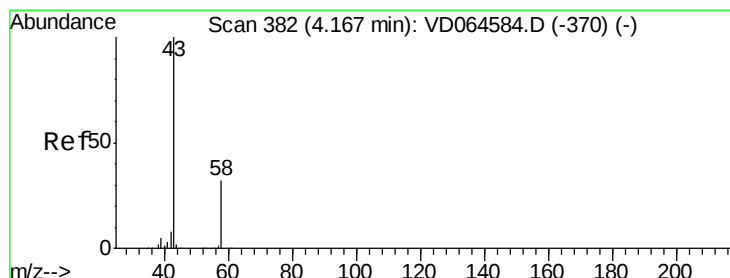
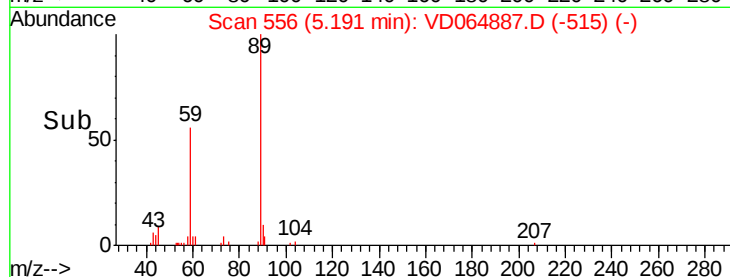
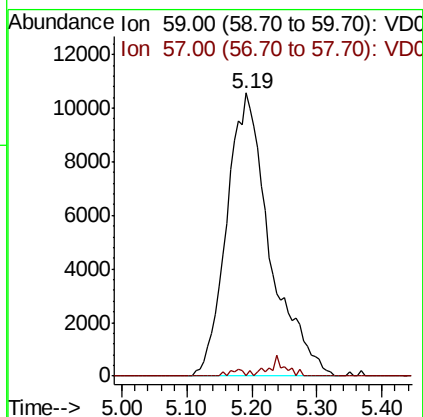
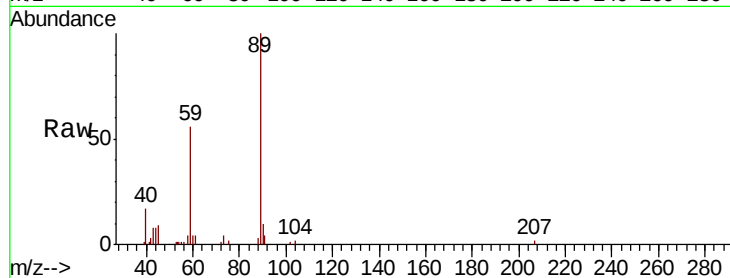




#11
Tert butyl alcohol
Concen: 243.463 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.06 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

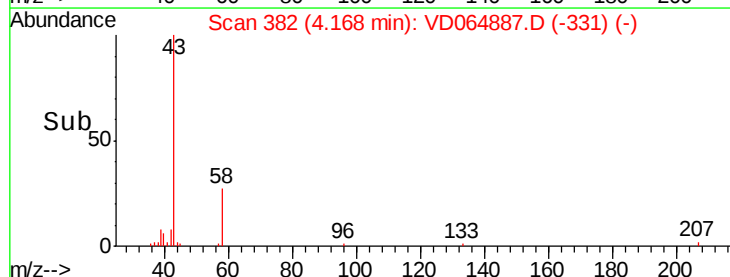
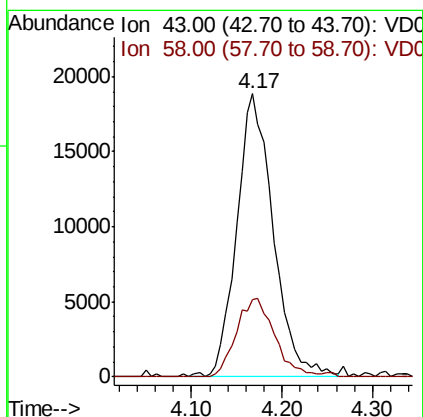
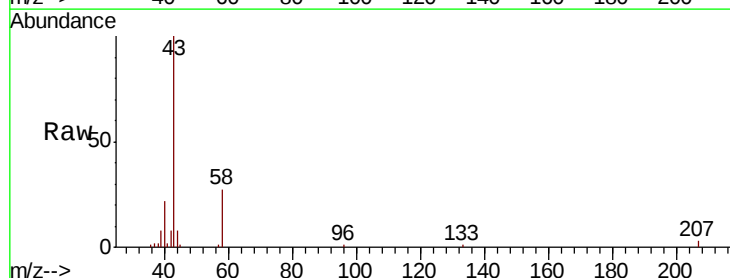
Instrument :
MSVOA_D
ClientSampleId :

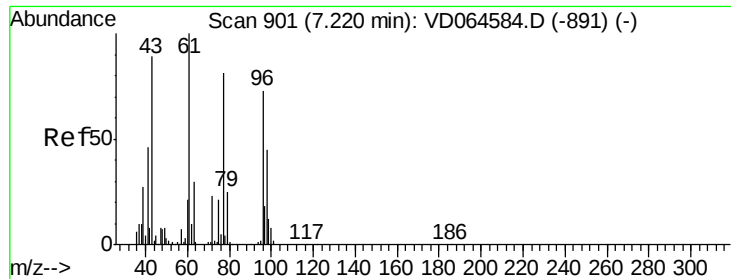
Tot Ion: 59 Resp: 48539
Ion Ratio Lower Upper
59 100
57 0.7 9.3 13.9#



#16
Acetone
Concen: 69.279 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

Tgt Ion: 43 Resp: 52791
Ion Ratio Lower Upper
43 100
58 27.4 25.8 38.6





#25

2-Butanone

Concen: 28.892 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064887.D

Acq: 20 Jan 2020 13:40

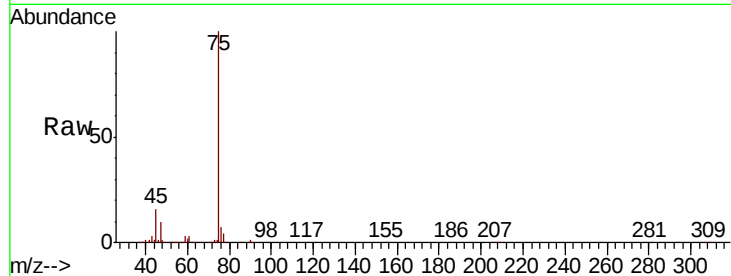
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 27627

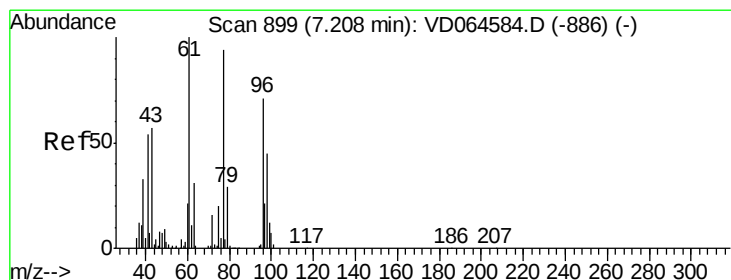
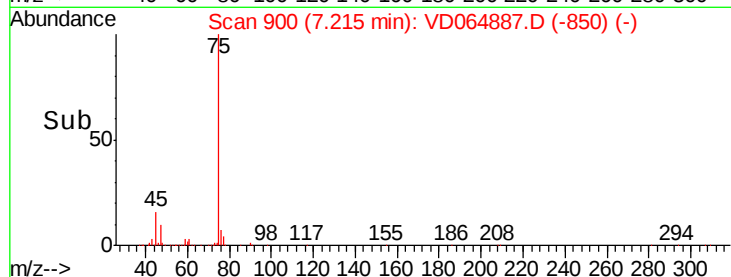
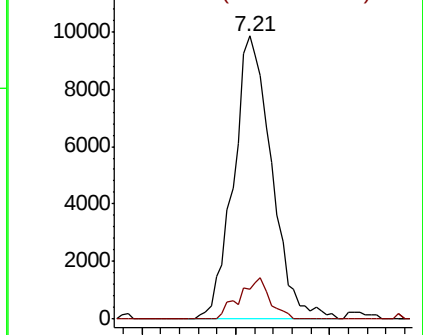
Ion Ratio Lower Upper

43 100

72 10.4 20.7 31.1#



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



#26

2,2-Dichloropropane

Concen: 5.855 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064887.D

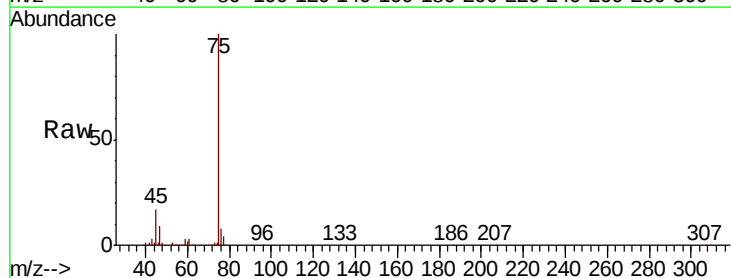
Acq: 20 Jan 2020 13:40

Tgt Ion: 77 Resp: 35277

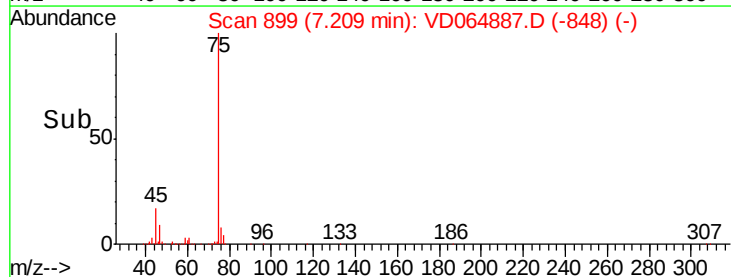
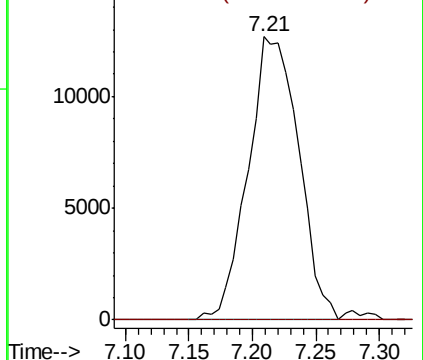
Ion Ratio Lower Upper

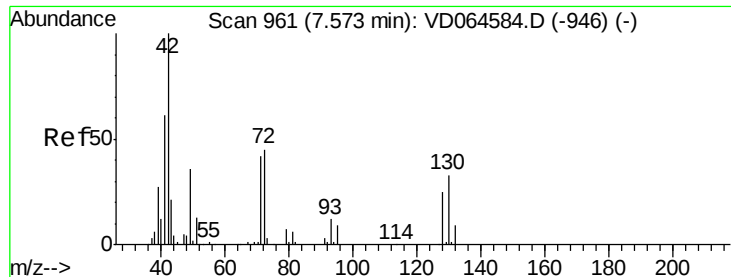
77 100

97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC

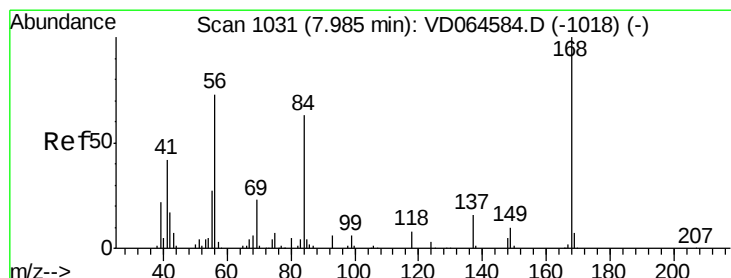
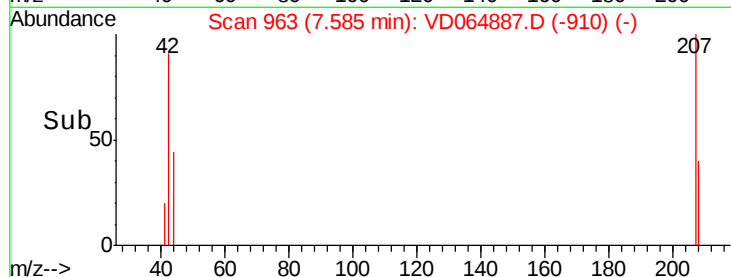
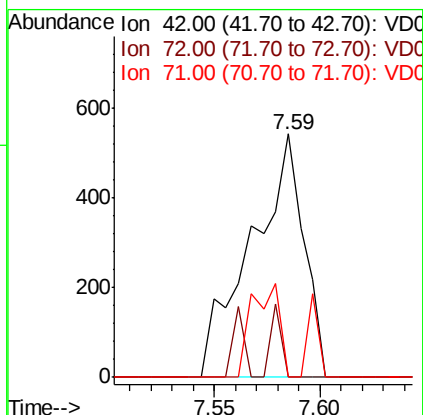
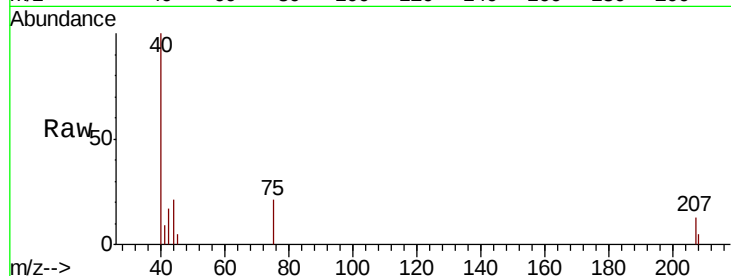




#29
Tetrahydrofuran
Concen: 1.577 ug/l
RT: 7.59 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

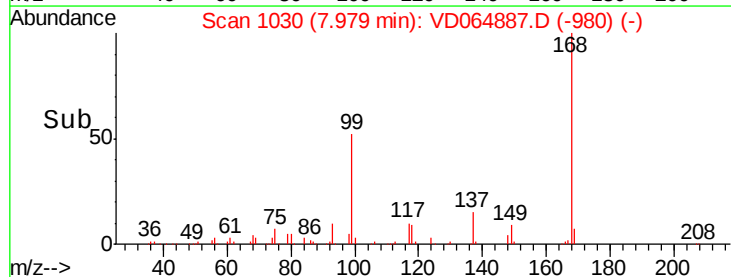
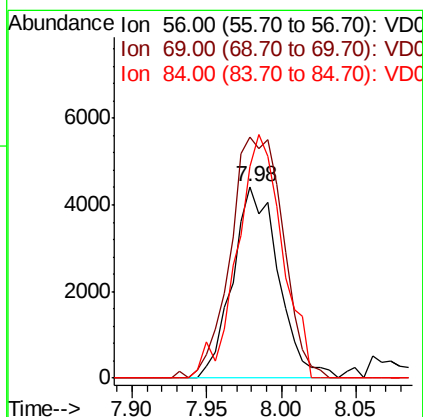
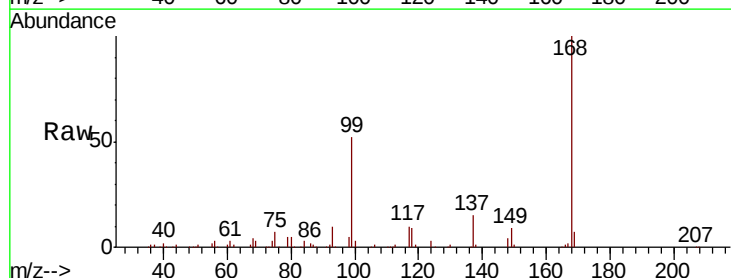
Instrument :
MSVOA_D
ClientSampleId :

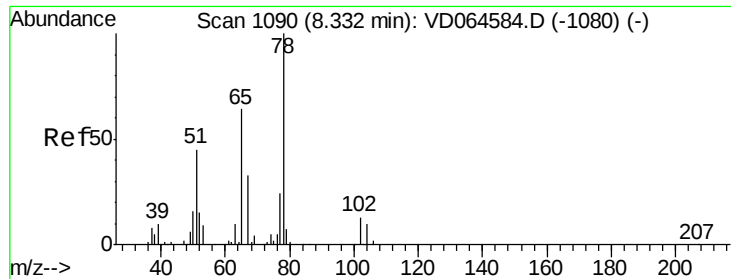
Tot Ion: 42 Resp: 938
Ion Ratio Lower Upper
42 100
72 6.2 35.0 52.4#
71 20.6 32.9 49.3#



#31
Cyclohexane
Concen: 1.453 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

Tgt Ion: 56 Resp: 9423
Ion Ratio Lower Upper
56 100
69 125.9 24.7 37.1#
84 110.8 69.4 104.2#

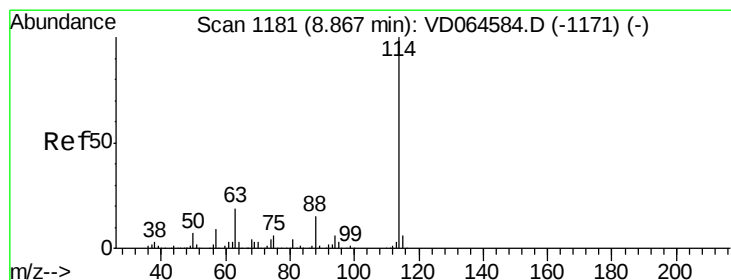
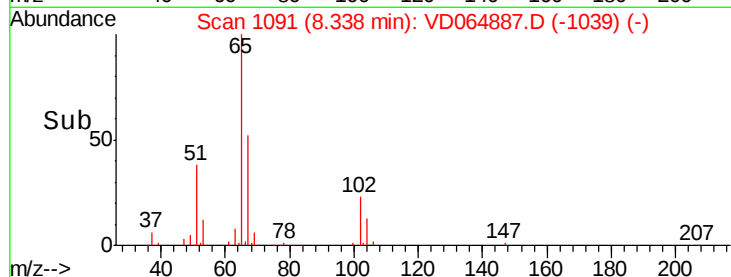
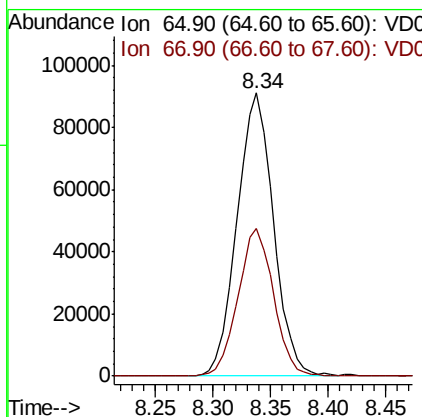
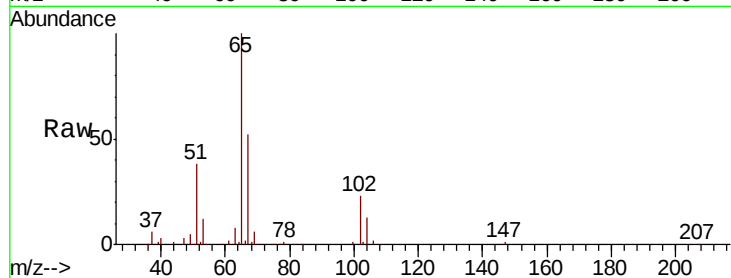




#33
 1,2-Dichloroethane-d4
 Concen: 57.498 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064887.D
 Acq: 20 Jan 2020 13:40

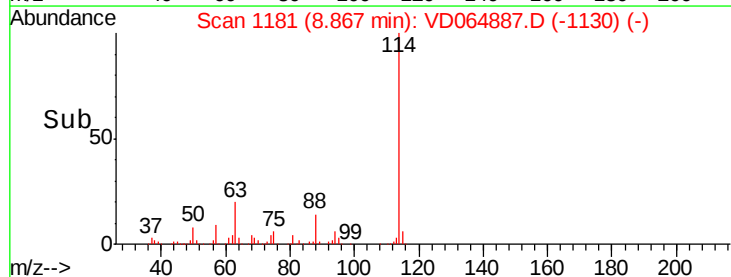
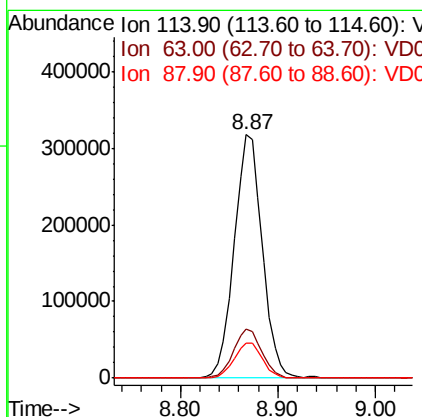
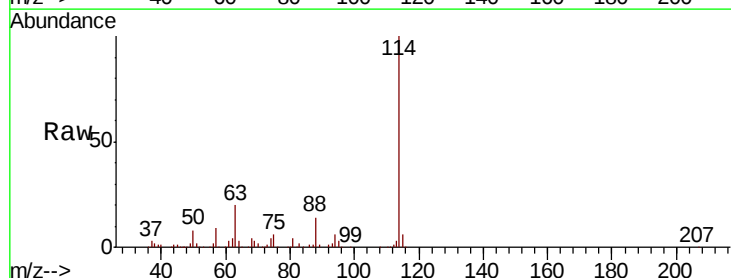
Instrument :
 MSVOA_D
 ClientSampled :

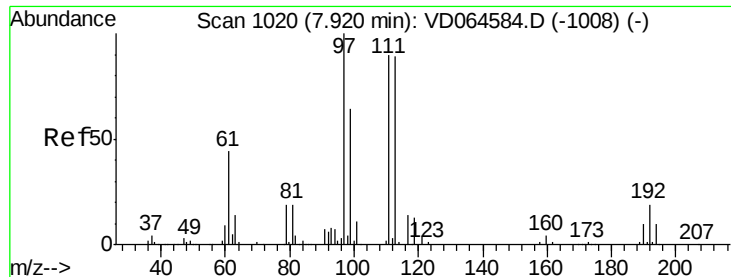
Tot Ion: 65 Resp: 200021
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064887.D
 Acq: 20 Jan 2020 13:40

Tgt Ion: 114 Resp: 633583
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.0
 88 14.3 0.0 29.2

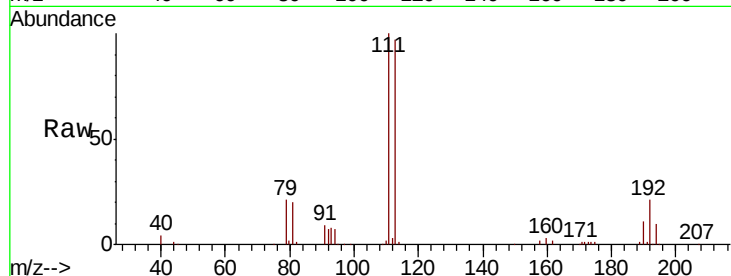




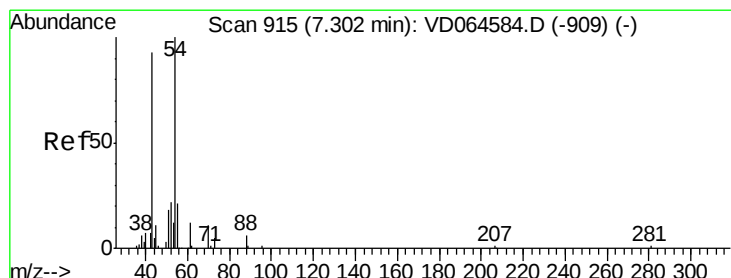
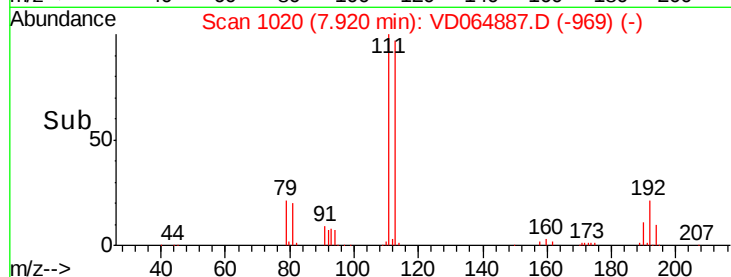
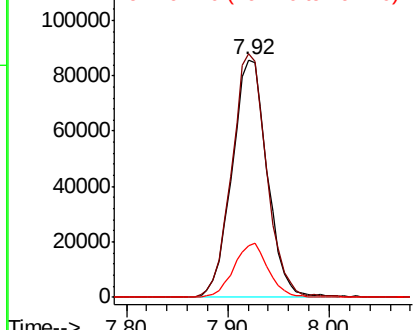
#35
Dibromofluoromethane
Concen: 53.162 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 206649
Ion Ratio Lower Upper
113 100
111 101.7 80.6 121.0
192 22.0 17.9 26.9

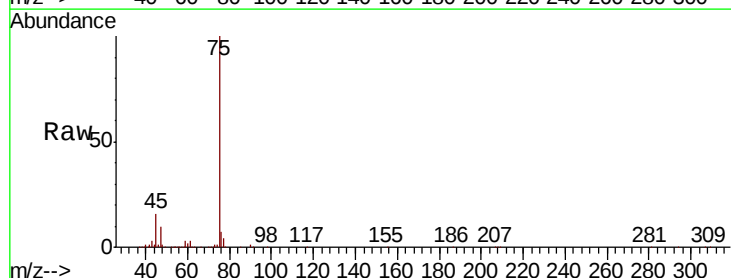


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

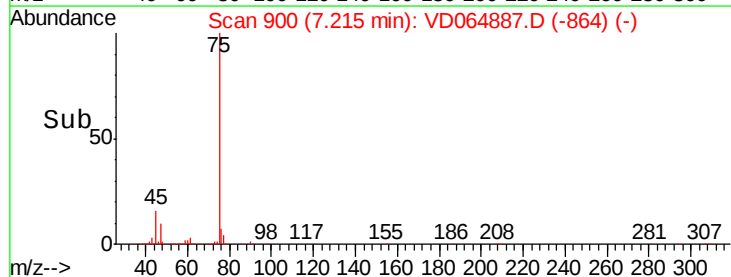
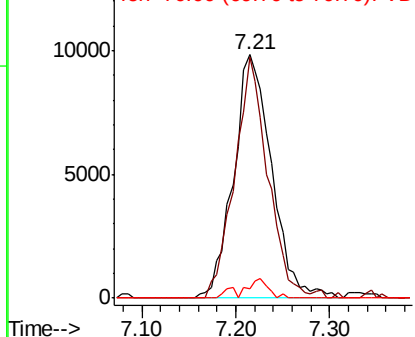


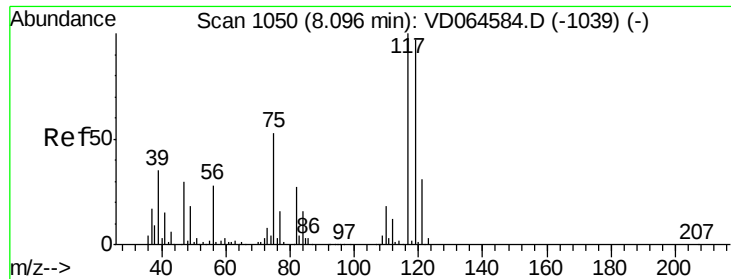
#37
Ethyl Acetate
Concen: 11.532 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.09 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

Tgt Ion: 43 Resp: 27627
Ion Ratio Lower Upper
43 100
61 85.9 10.3 15.5#
70 4.2 7.6 11.4#



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: 5.830 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064887.D

Acq: 20 Jan 2020 13:40

Instrument :

MSVOA_D

ClientSampled :

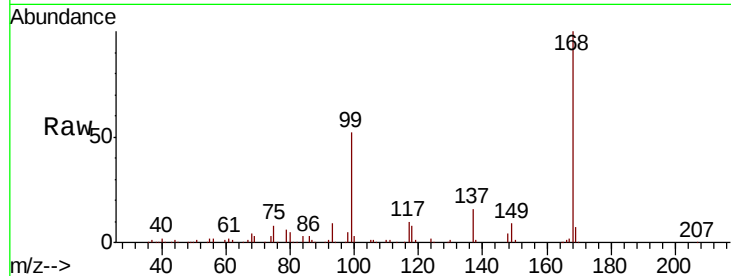
Tot Ion:117 Resp: 37907

Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

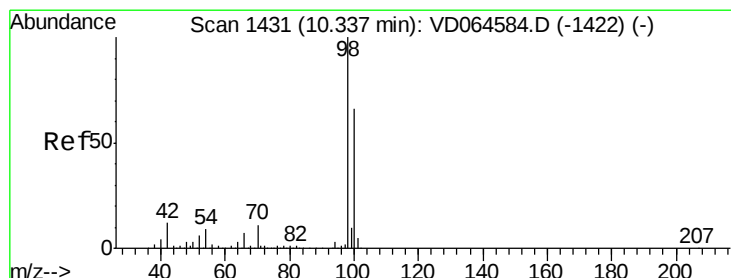
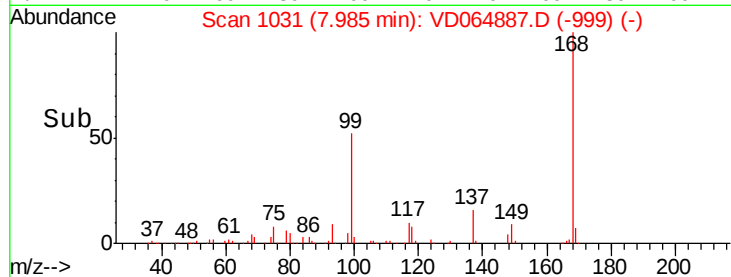
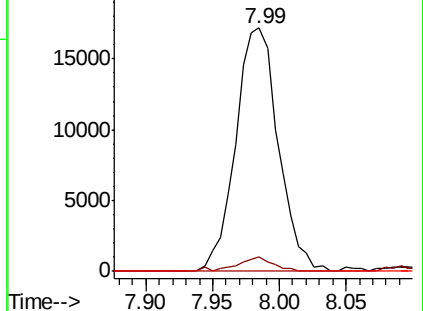
121 0.0 25.0 37.6#



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: 52.226 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064887.D

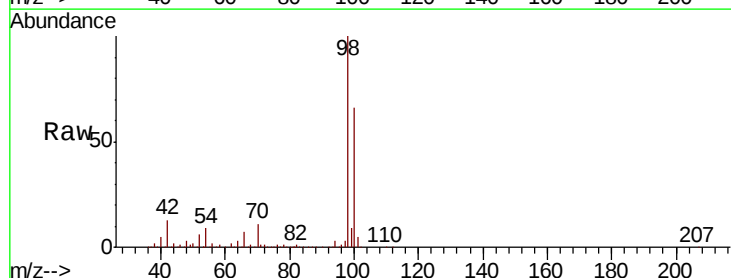
Acq: 20 Jan 2020 13:40

Tgt Ion: 98 Resp: 777500

Ion Ratio Lower Upper

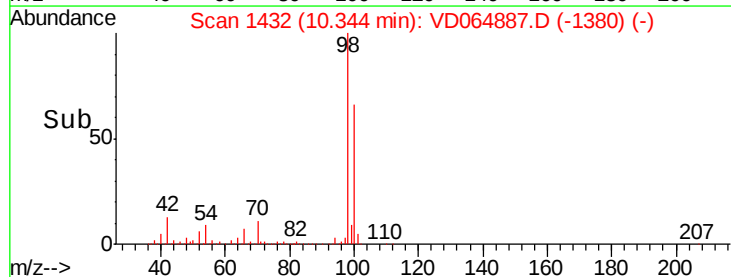
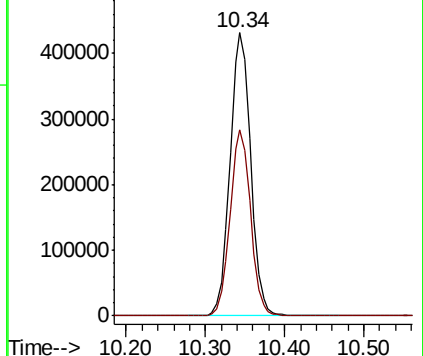
98 100

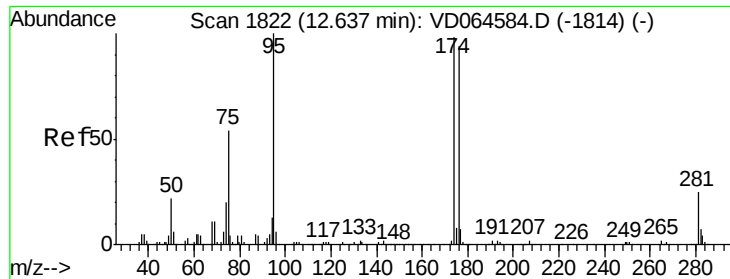
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

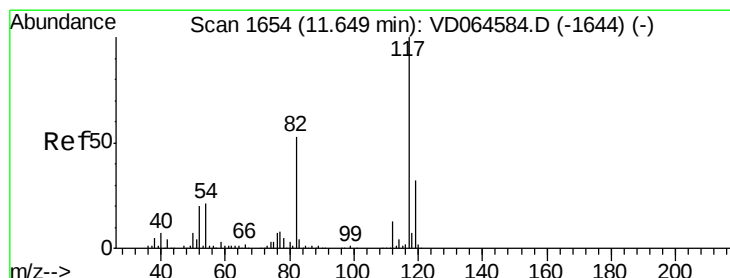
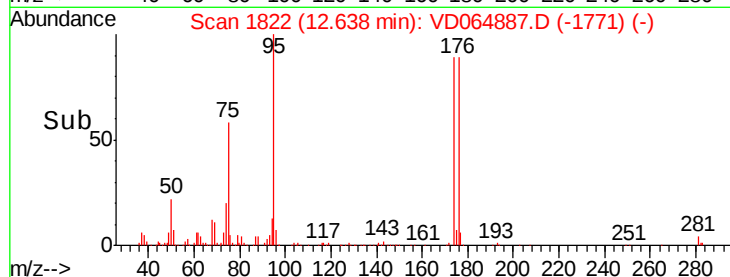
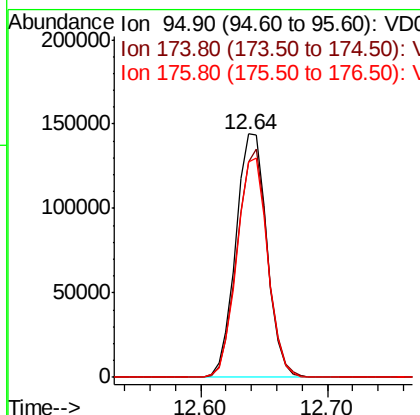
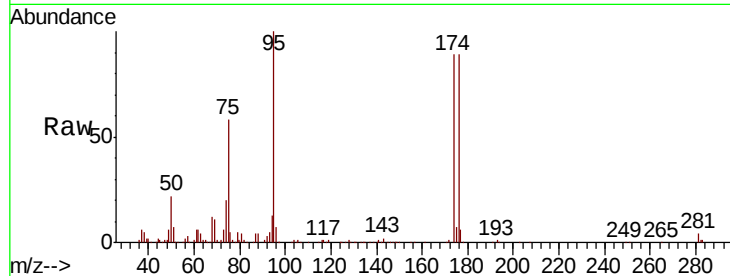




#62
4-Bromofluorobenzene
Concen: 51.880 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

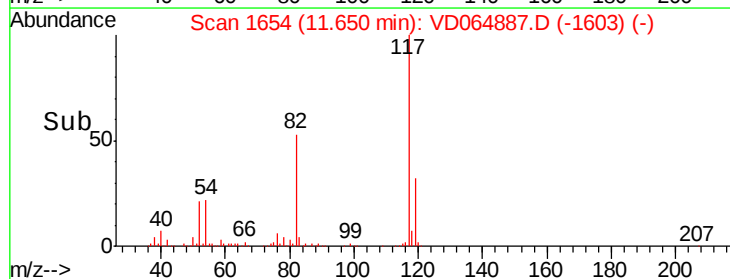
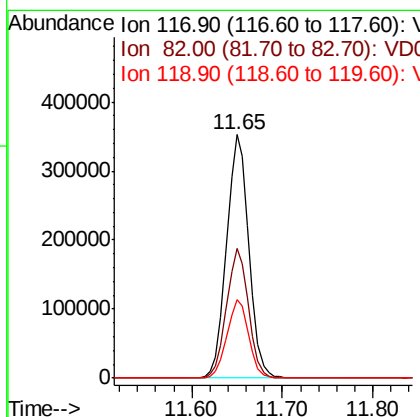
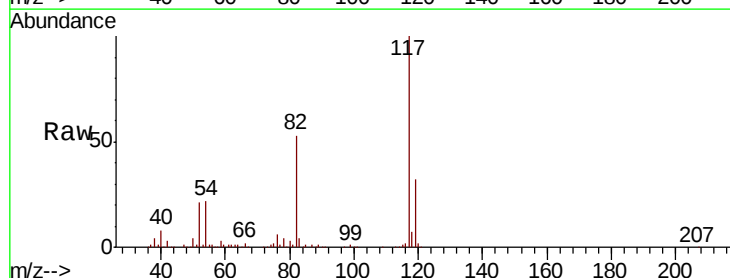
Instrument :
MSVOA_D
ClientSampleId :

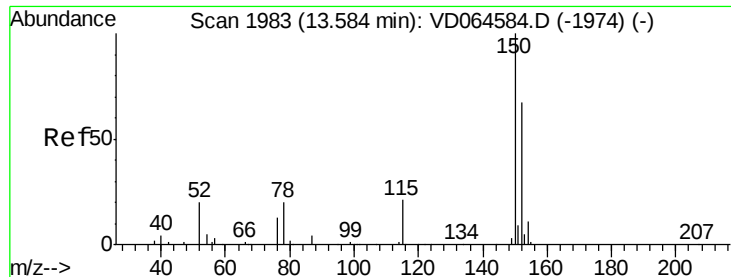
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	193.2
176	89.5	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064887.D
Acq: 20 Jan 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.4
119	32.3	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064887.D

Acq: 20 Jan 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

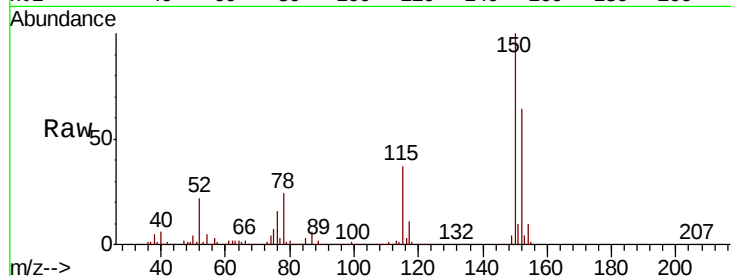
Tot Ion:152 Resp: 286821

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

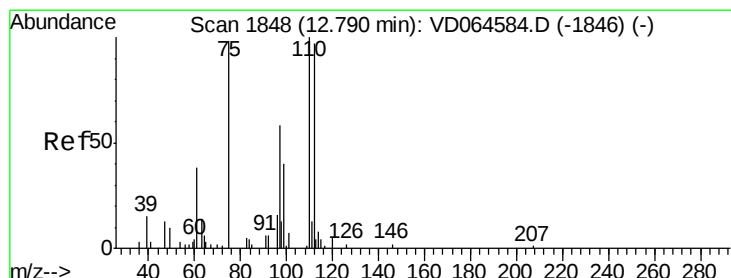
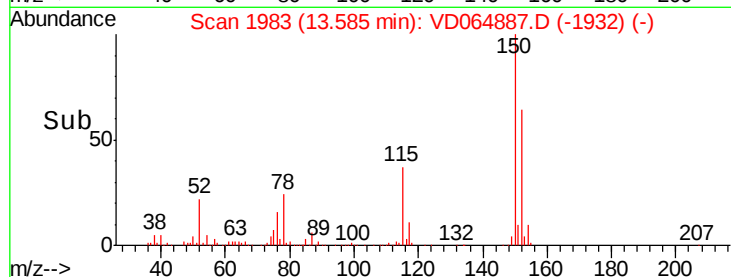
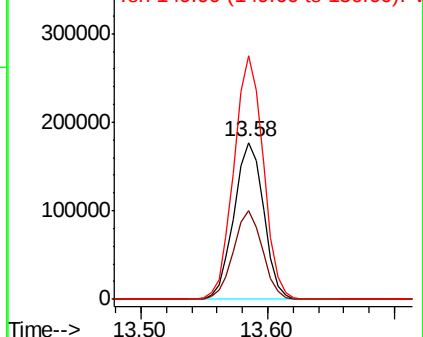
150 153.5 0.0 351.4



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: 59.728 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064887.D

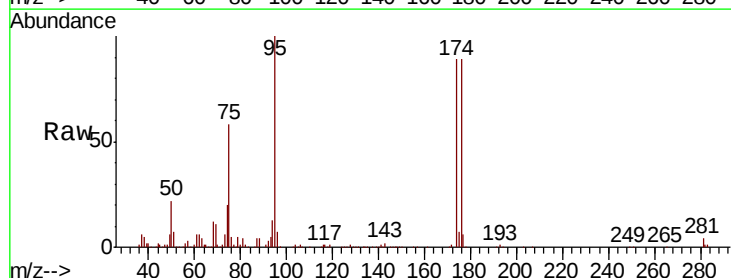
Acq: 20 Jan 2020 13:40

Tgt Ion: 75 Resp: 135280

Ion Ratio Lower Upper

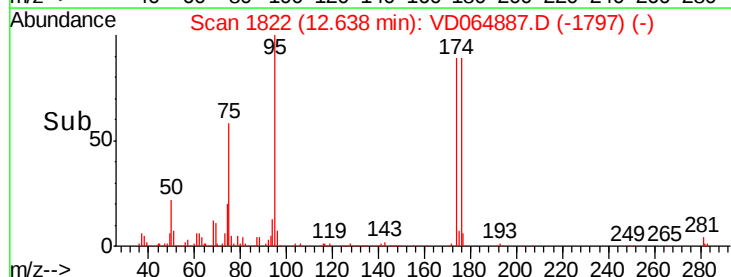
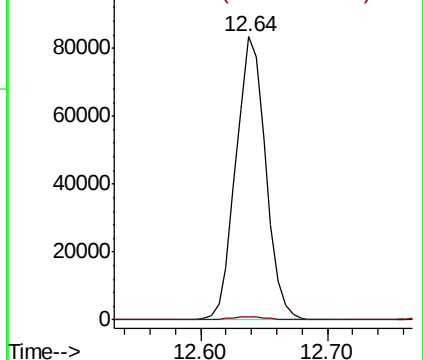
75 100

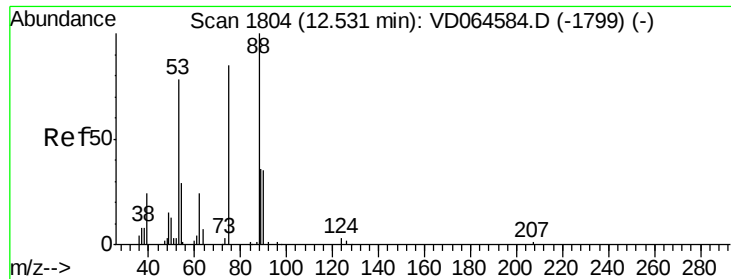
77 1.4 0.0 0.0#



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: 124.920 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064887.D

Acq: 20 Jan 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 135280

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 38.3 57.5#

