

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064977.D
 Acq On : 28 Jan 2020 14:24
 Operator : VA/SY
 Sample : L1278-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 01:33:45 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	7.98	168	465653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	688990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296729	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	225978	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
35) Dibromofluoromethane	7.92	113	234877	49.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.96%	
50) Toluene-d8	10.34	98	903657	49.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.64	95	277495	50.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.00%	

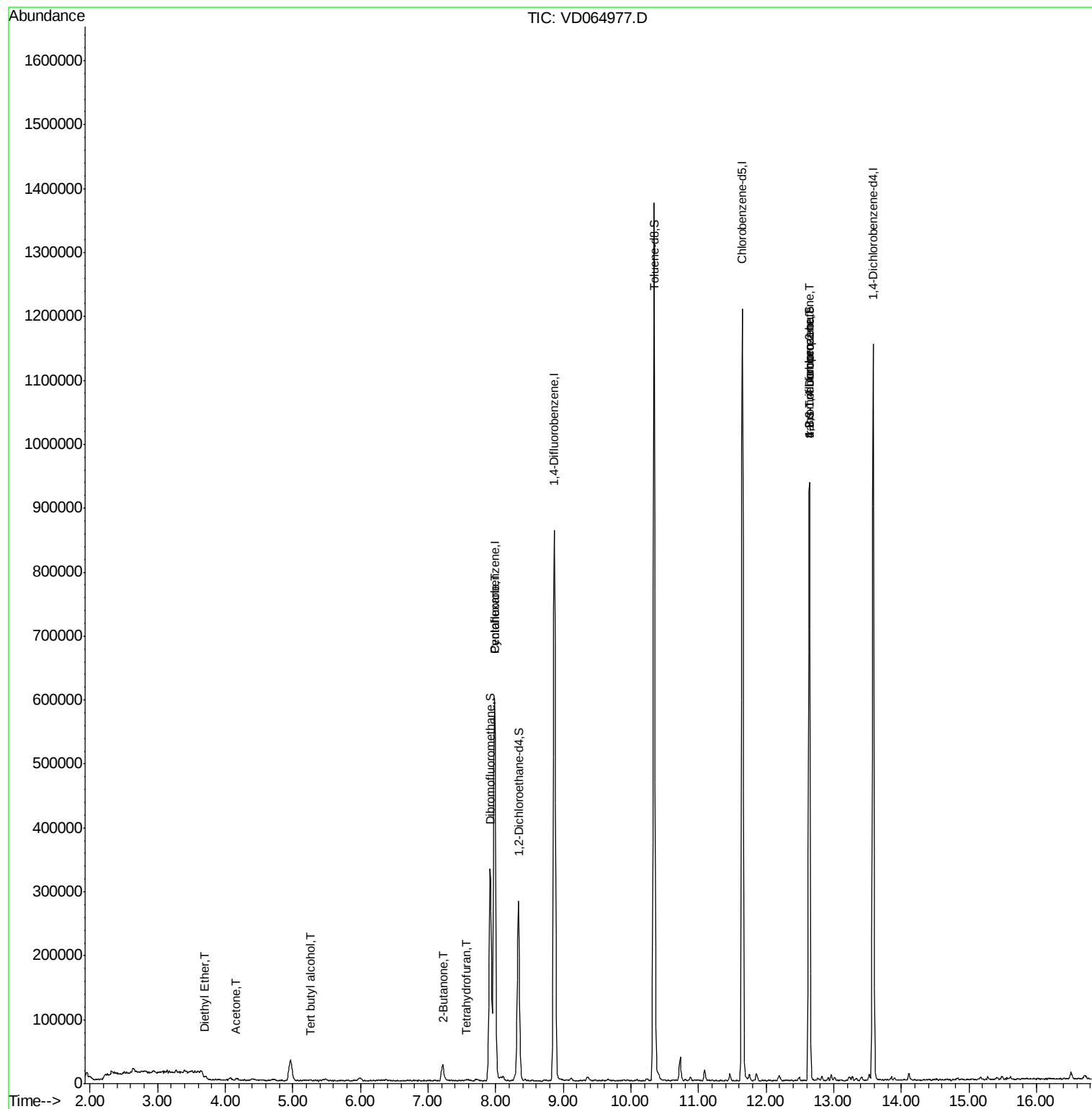
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2241	1.088	ug/l #	29
11) Tert butyl alcohol	5.26	59	582	2.358	ug/l	100
16) Acetone	4.16	43	5783	18.195	ug/l	95
20) Methylene Chloride	4.96	84	24479	Below Cal		92
25) 2-Butanone	7.23	43	2554	2.116	ug/l #	49
29) Tetrahydrofuran	7.58	42	1549	2.080	ug/l #	53
31) Cyclohexane	7.99	56	11669	1.500	ug/l #	47
76) 1,2,3-Trichloropropane	12.64	75	148512	60.300	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	148512	128.755	ug/l #	9

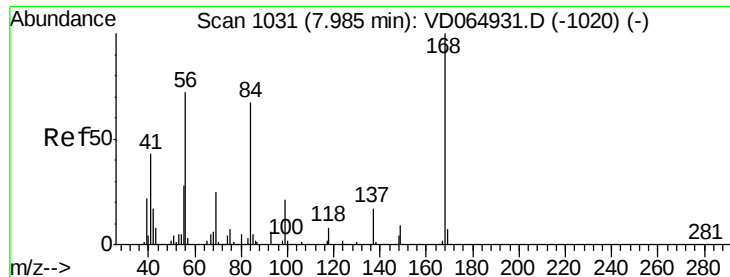
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064977.D

Acq: 28 Jan 2020 14:24

Instrument :

MSVOA_D

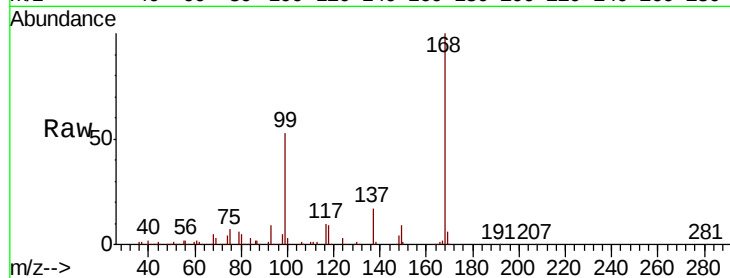
ClientSampled :

Tot Ion:168 Resp: 465653

Ion Ratio Lower Upper

168 100

99 53.1 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

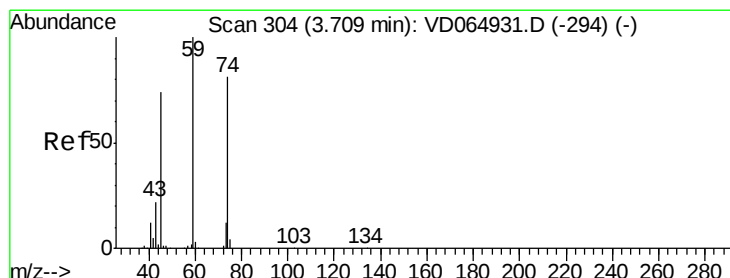
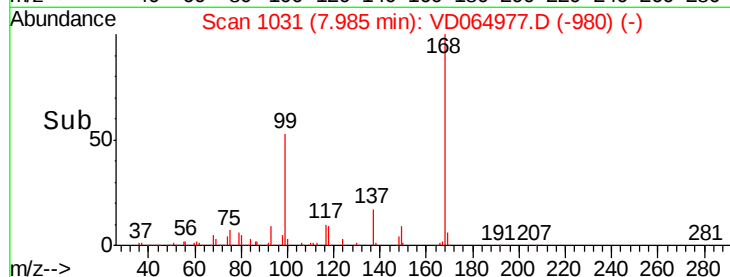
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.088 ug/l

RT: 3.69 min Scan# 301

Delta R.T. -0.02 min

Lab File: VD064977.D

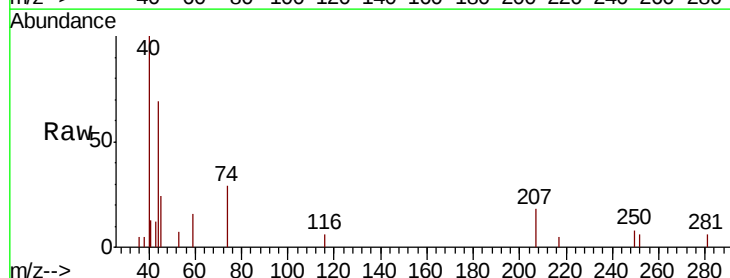
Acq: 28 Jan 2020 14:24

Tgt Ion: 74 Resp: 2241

Ion Ratio Lower Upper

74 100

45 27.5 48.5 145.5#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.69

1200

1000

800

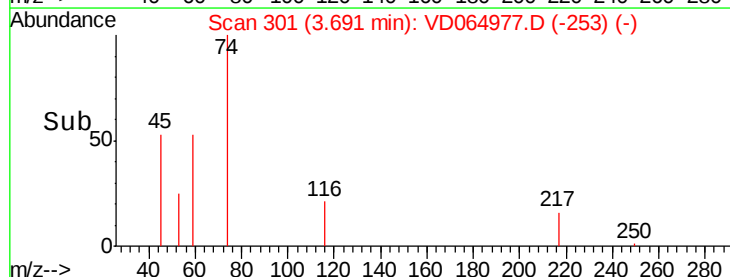
600

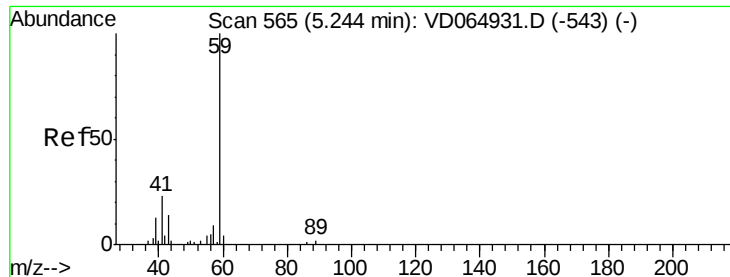
400

200

0

Time-->



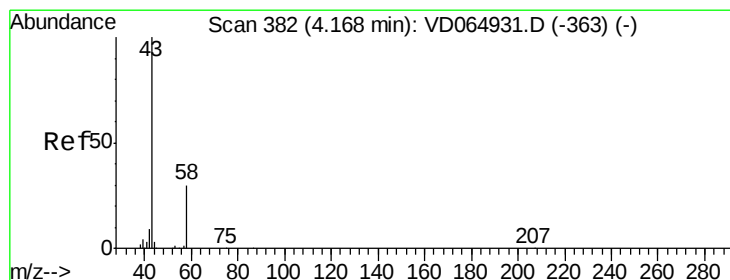
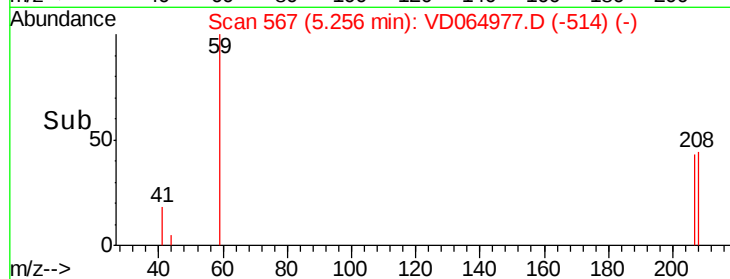
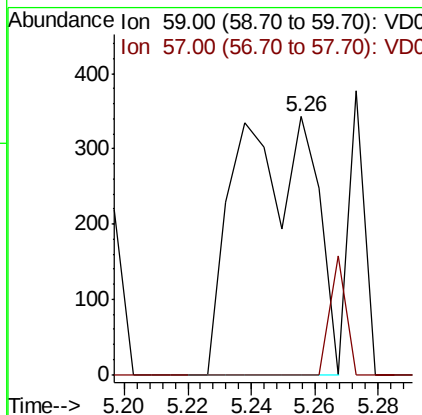
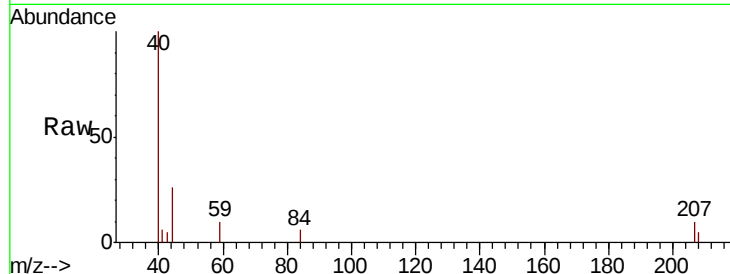


#11

Tert butyl alcohol
 Concen: 2.358 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064977.D
 Acq: 28 Jan 2020 14:24

Instrument :
 MSVOA_D
 ClientSampleId :

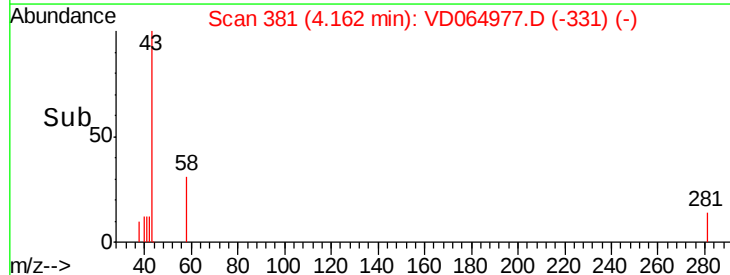
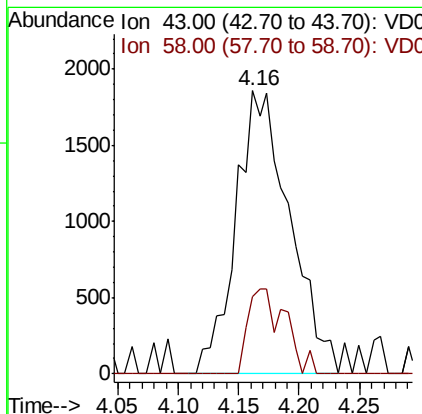
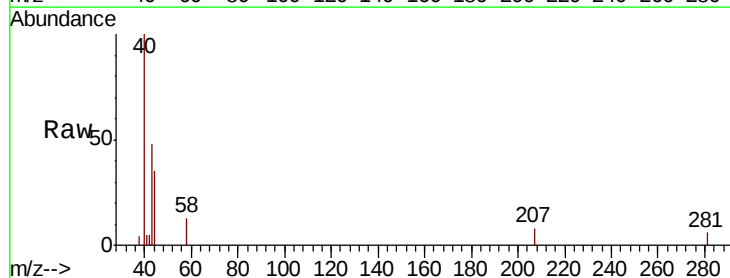
Tot Ion: 59 Resp: 582
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.7 11.5

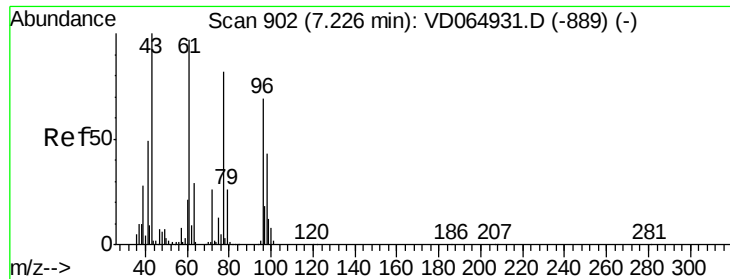


#16

Acetone
 Concen: 18.195 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064977.D
 Acq: 28 Jan 2020 14:24

Tgt Ion: 43 Resp: 5783
 Ion Ratio Lower Upper
 43 100
 58 27.1 23.8 35.8

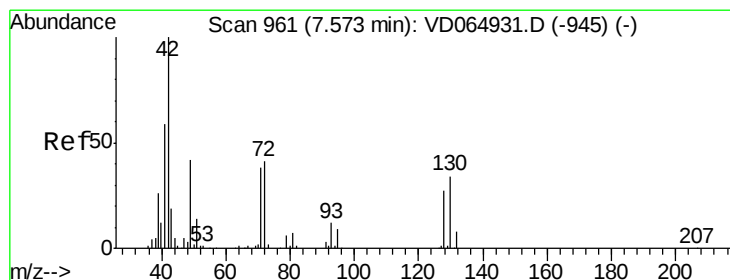
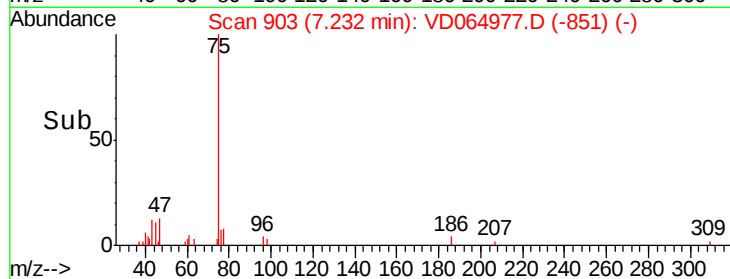
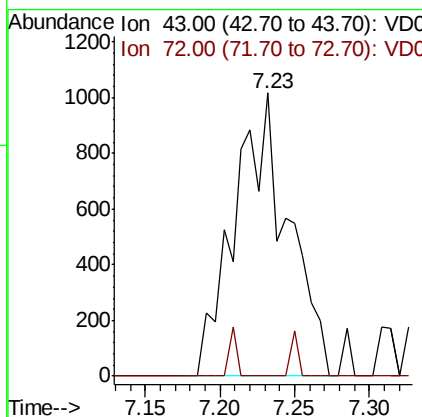
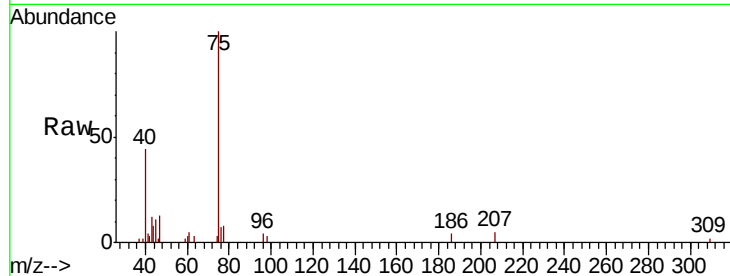




#25
2-Butanone
Concen: 2.116 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064977.D
Acq: 28 Jan 2020 14:24

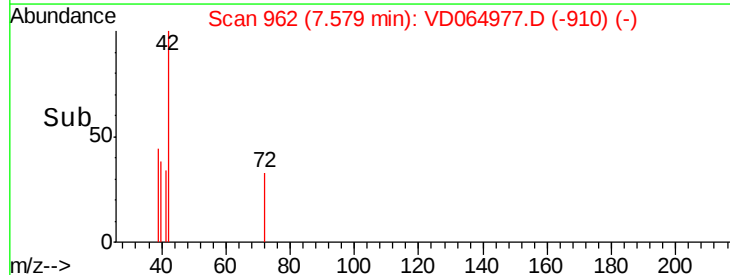
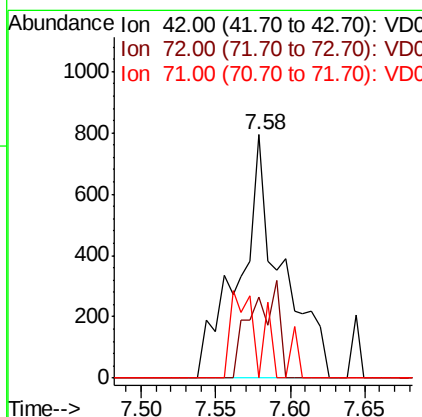
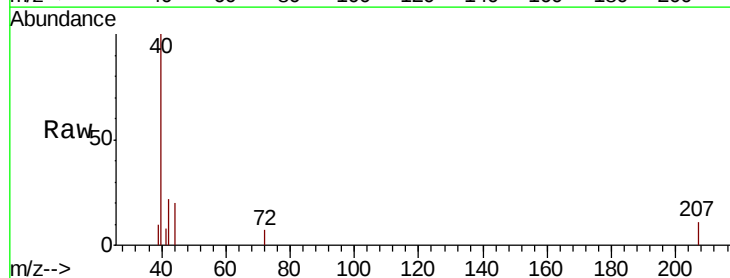
Instrument :
MSVOA_D
ClientSampleId :

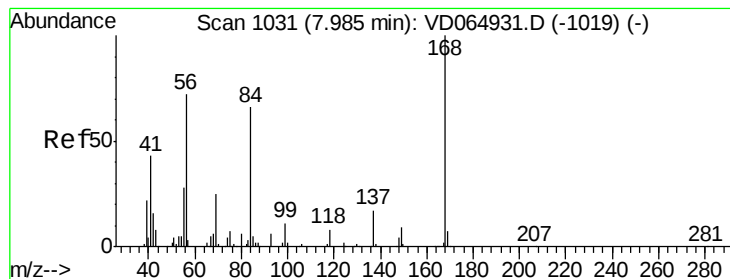
Tot Ion: 43 Resp: 2554
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#29
Tetrahydrofuran
Concen: 2.080 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064977.D
Acq: 28 Jan 2020 14:24

Tgt Ion: 42 Resp: 1549
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 23.2 31.5 47.3#





#31

Cyclohexane

Concen: 1.500 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064977.D

Acq: 28 Jan 2020 14:24

Instrument :

MSVOA_D

ClientSampled :

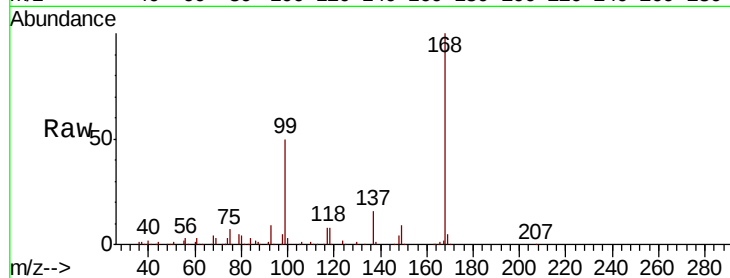
Tot Ion: 56 Resp: 11669

Ion Ratio Lower Upper

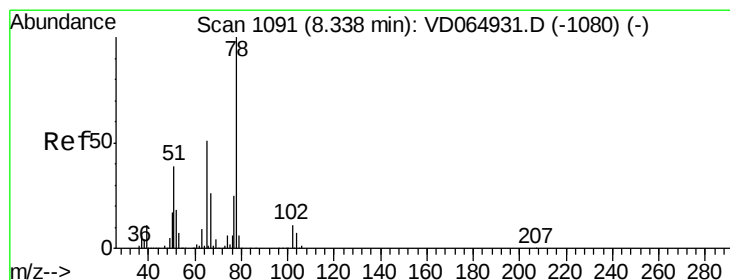
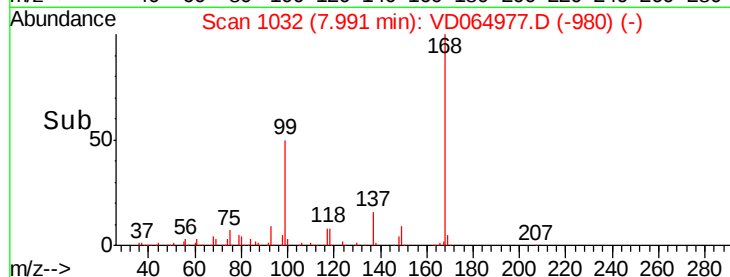
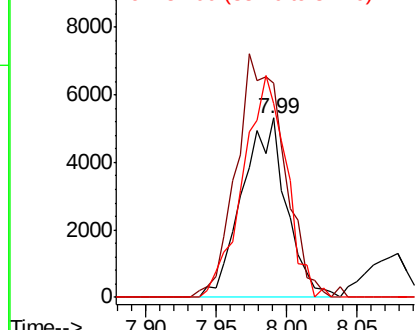
56 100

69 119.7 27.9 41.9#

84 107.9 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: 50.593 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064977.D

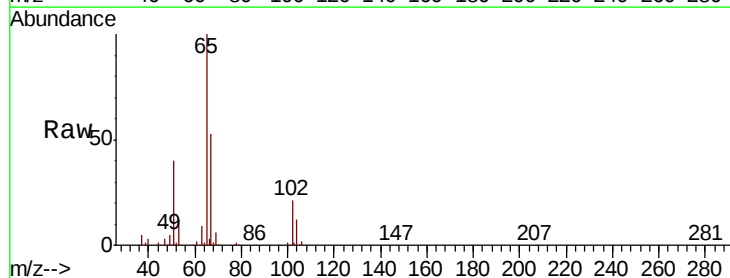
Acq: 28 Jan 2020 14:24

Tgt Ion: 65 Resp: 225978

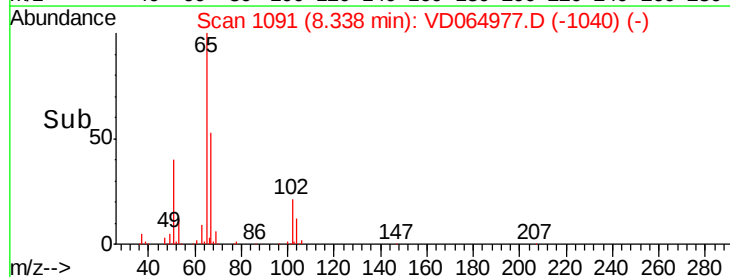
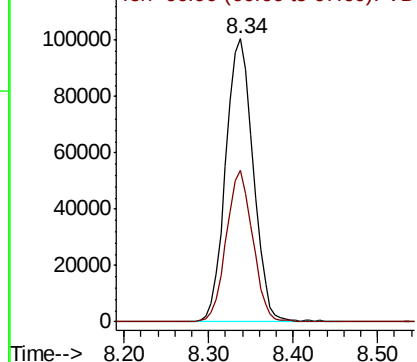
Ion Ratio Lower Upper

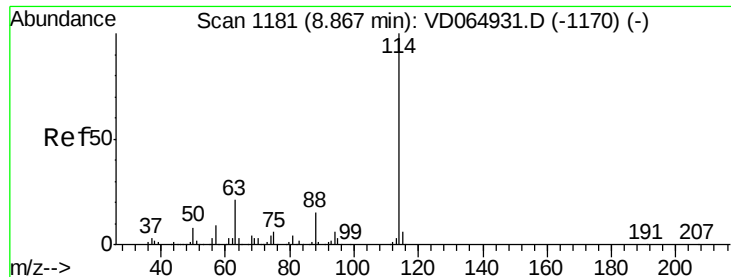
65 100

67 51.4 0.0 103.6



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

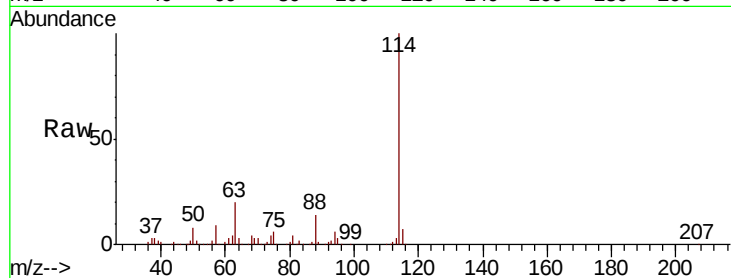




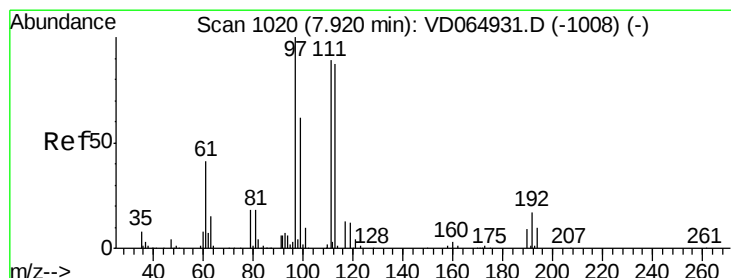
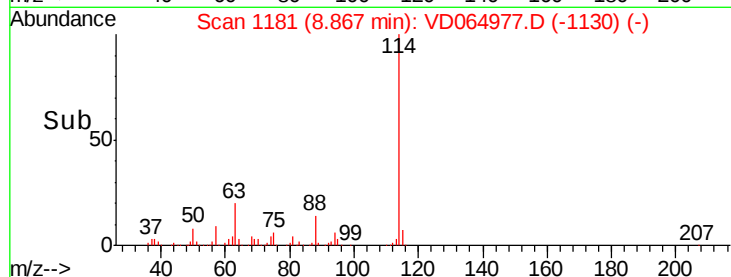
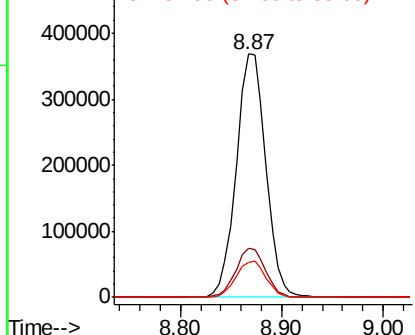
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064977.D
 Acq: 28 Jan 2020 14:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.0
88	14.2	0.0	29.4

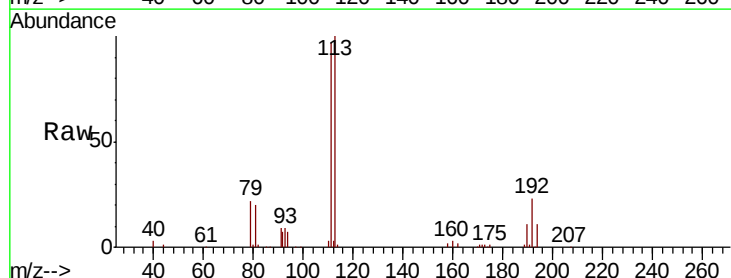


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

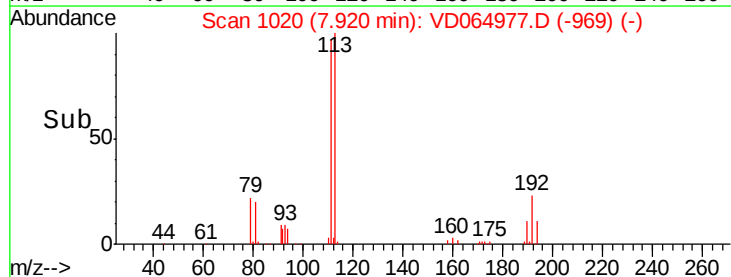
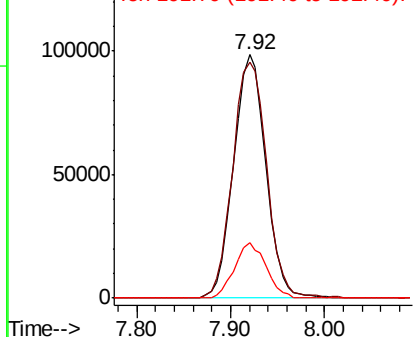


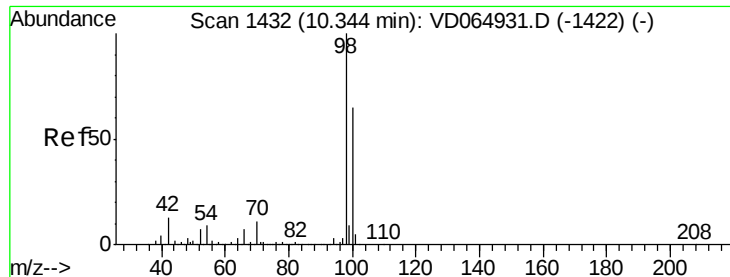
#35
 Dibromofluoromethane
 Concen: 49.985 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064977.D
 Acq: 28 Jan 2020 14:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	22.3	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





#50

Toluene-d8

Concen: 49.826 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064977.D

Acq: 28 Jan 2020 14:24

Instrument :

MSVOA_D

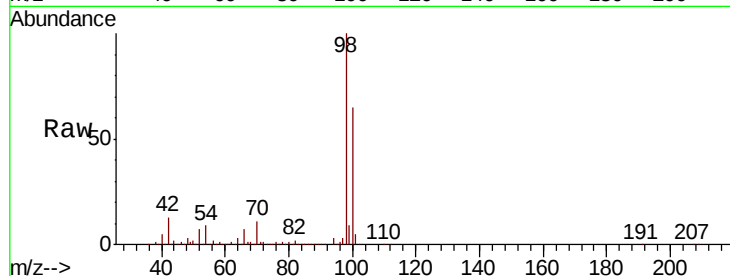
ClientSampleId :

Tot Ion: 98 Resp: 903657

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

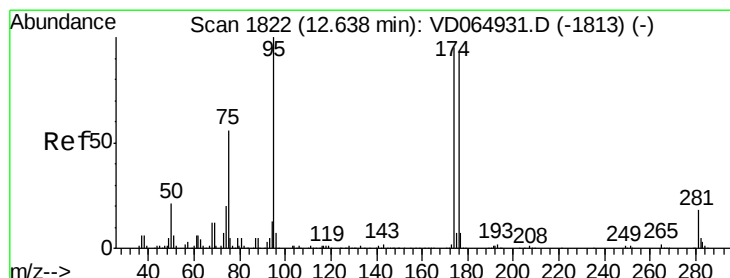
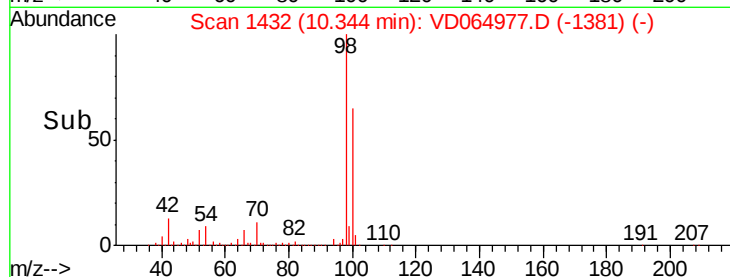
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.998 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064977.D

Acq: 28 Jan 2020 14:24

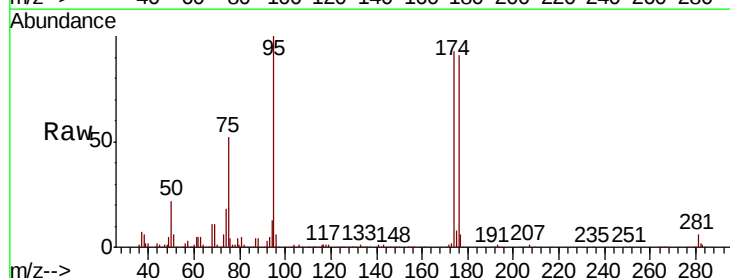
Tgt Ion: 95 Resp: 277495

Ion Ratio Lower Upper

95 100

174 91.3 0.0 186.8

176 89.2 0.0 183.4



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

12.64

200000

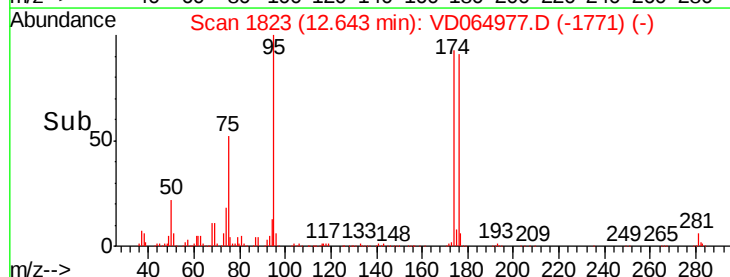
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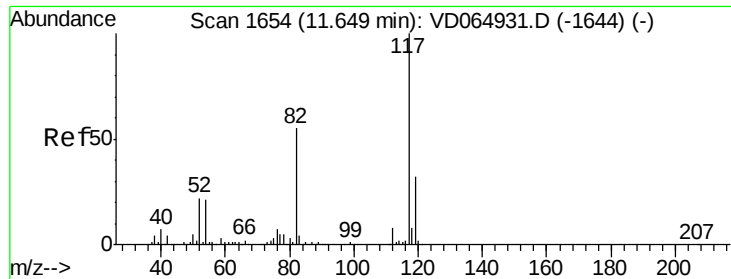
100000

50000

0

Time-->

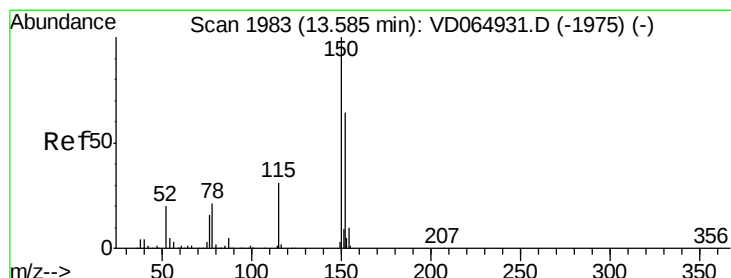
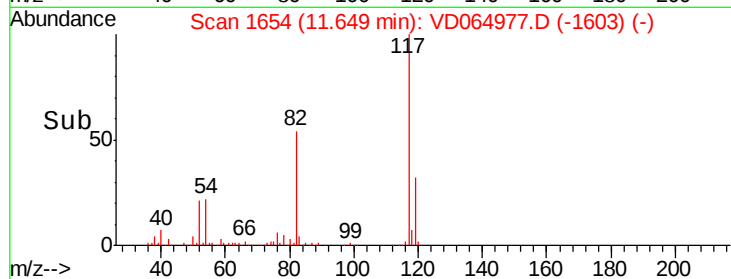
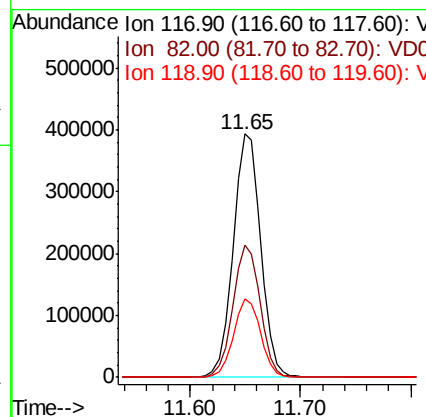
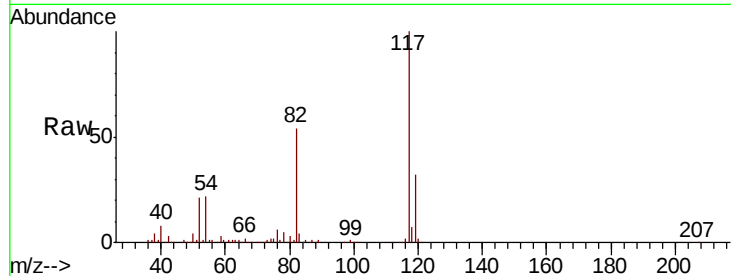




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064977.D
Acq: 28 Jan 2020 14:24

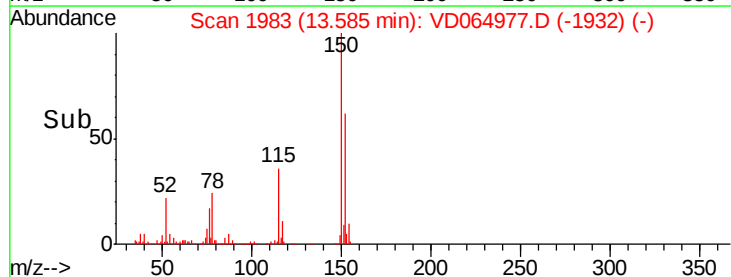
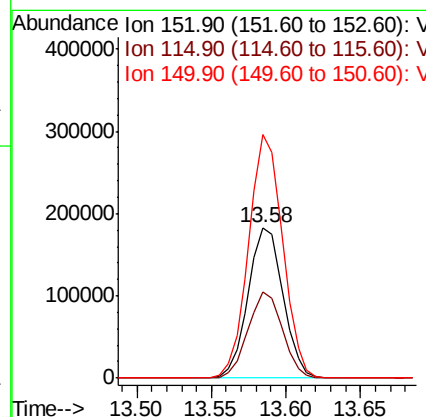
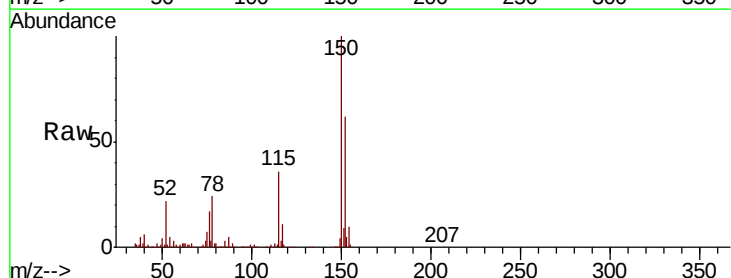
Instrument :
MSVOA_D
ClientSampleId :

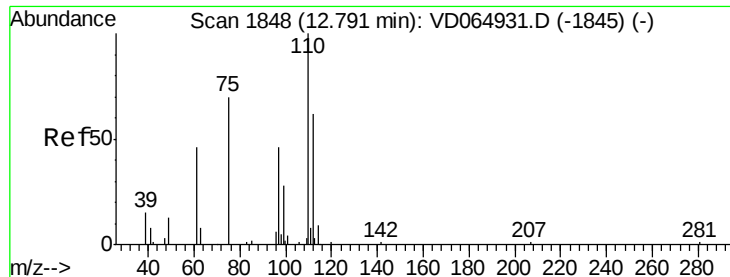
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.6	65.4
119	32.3	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064977.D
Acq: 28 Jan 2020 14:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.4
150	157.8	0.0	350.4





#76

1,2,3-Trichloropropane

Concen: 60.300 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064977.D

Acq: 28 Jan 2020 14:24

Instrument :

MSVOA_D

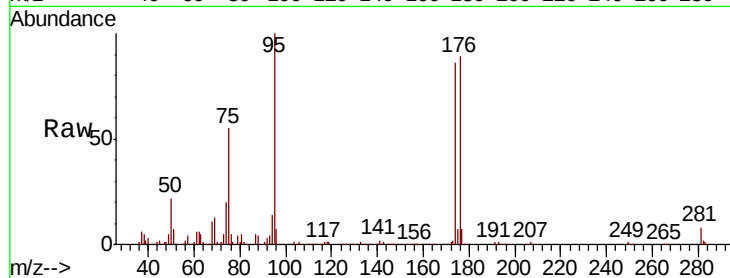
ClientSampleId :

Tot Ion: 75 Resp: 148512

Ion Ratio Lower Upper

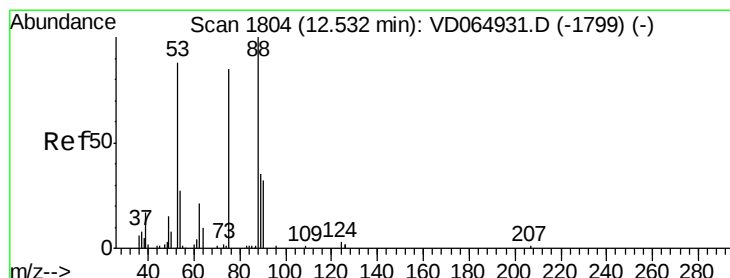
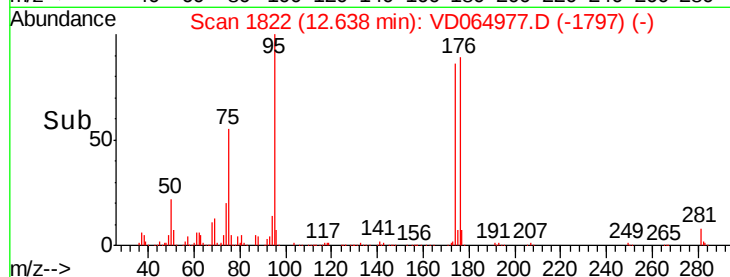
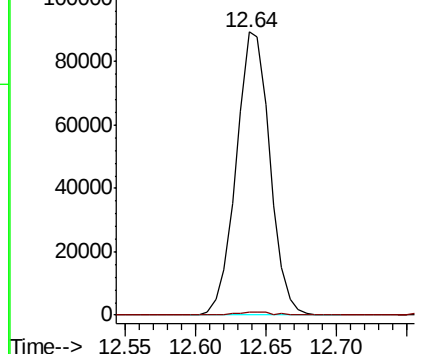
75 100

77 1.2 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: 128.755 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064977.D

Acq: 28 Jan 2020 14:24

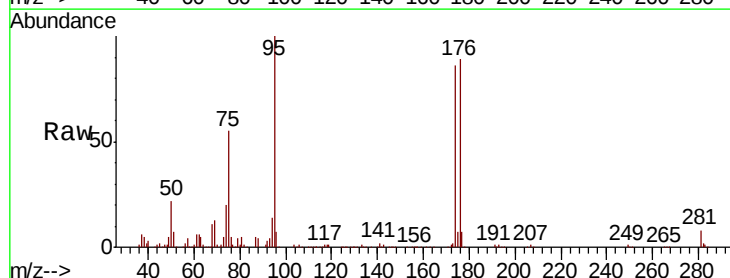
Tgt Ion: 75 Resp: 148512

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.4#

89 0.1 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

