

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064942.D
 Acq On : 24 Jan 2020 14:45
 Operator : VA/SY
 Sample : L1243-03RE
 Misc : 7.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:38:51 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	151296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	238869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	216060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	78111	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	104276	71.85	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	143.70%	
35) Dibromofluoromethane	7.92	113	88386	58.88	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	117.76%	
50) Toluene-d8	10.34	98	286263	49.41	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	98.82%	
62) 4-Bromofluorobenzene	12.64	95	78328	44.18	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	88.36%	

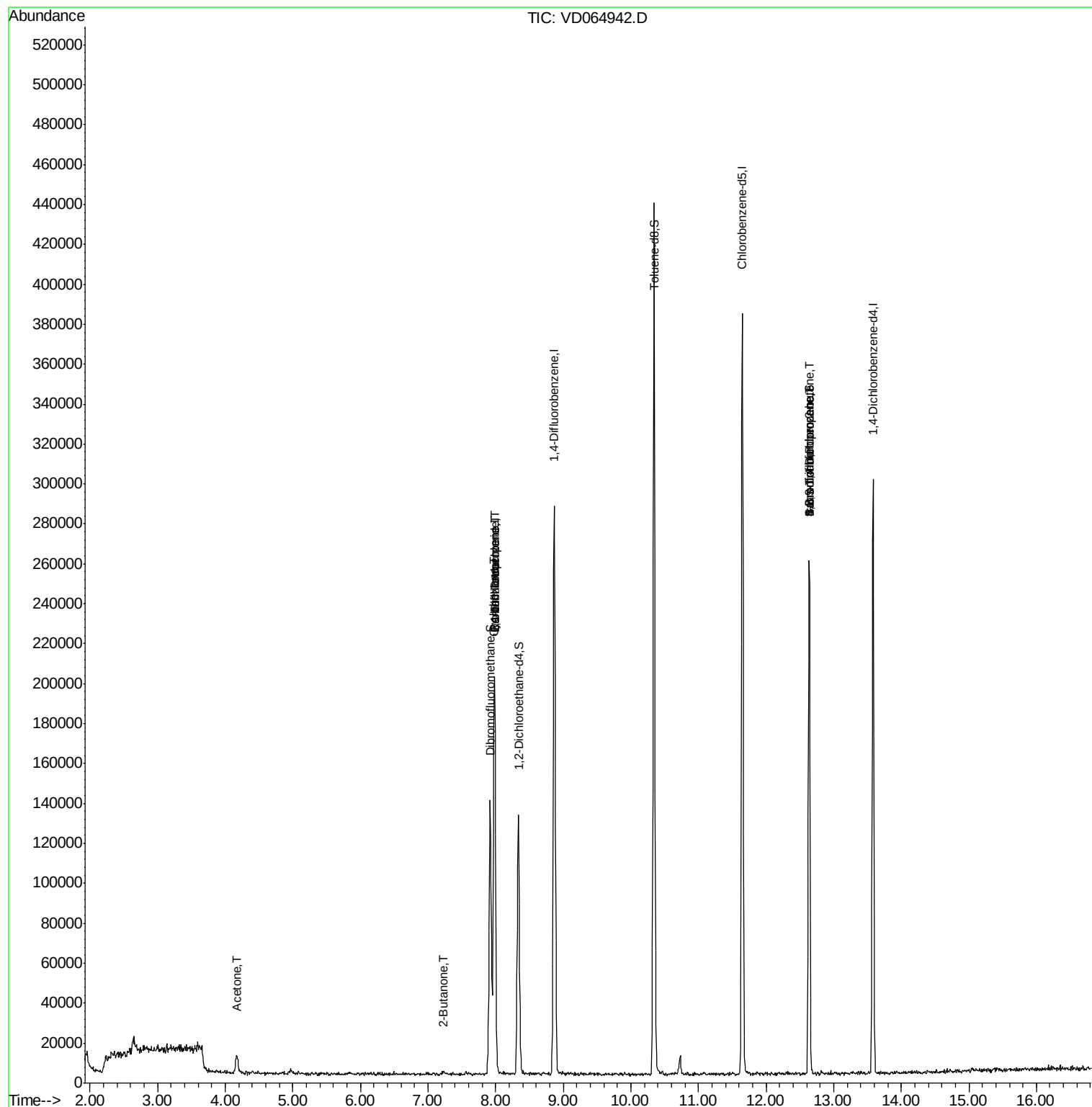
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.18	43	16334	52.780	ug/l #	77
20) Methylene Chloride	4.97	84	1466	Below Cal	#	83
25) 2-Butanone	7.23	43	1299	3.313	ug/l	95
31) Cyclohexane	7.97	56	3369	1.332	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	11139	4.836	ug/l #	54
38) Carbon Tetrachloride	7.98	117	14797	6.078	ug/l #	20
71) Bromoform	12.64	173	977	1.065	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	42867	66.119	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	42867	141.180	ug/l #	9

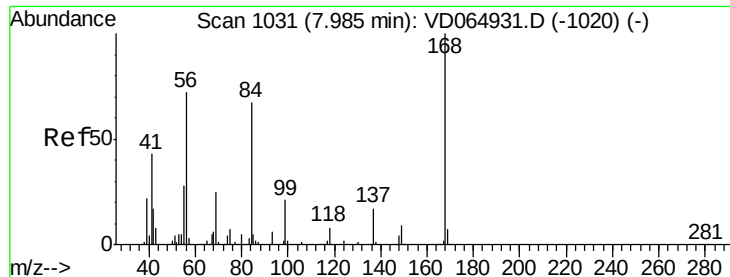
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064942.D

Acq: 24 Jan 2020 14:45

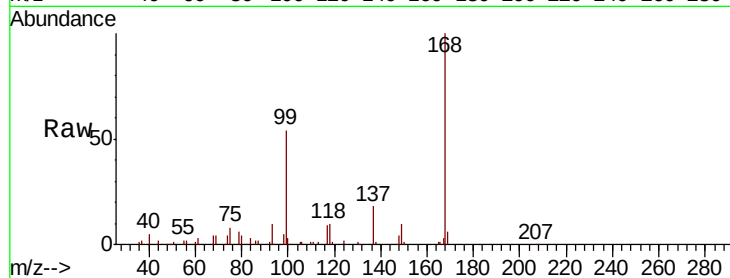
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 151296

Ion Ratio Lower Upper

168 100

99 53.6 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

60000

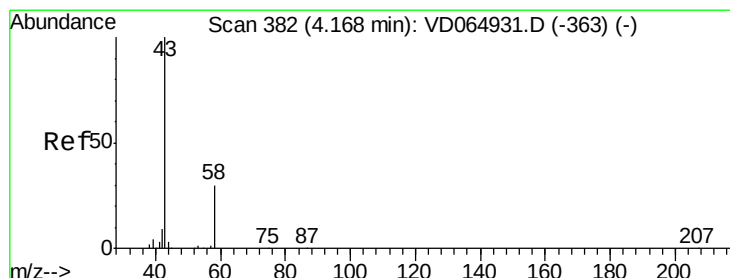
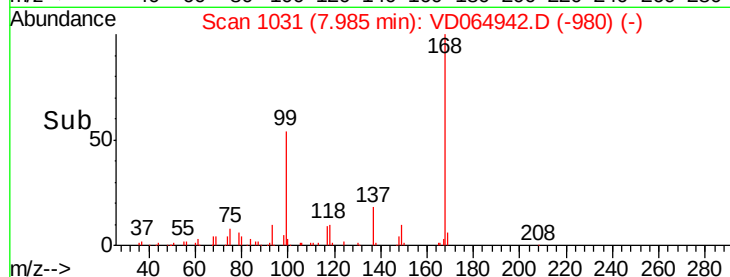
40000

20000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 52.780 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064942.D

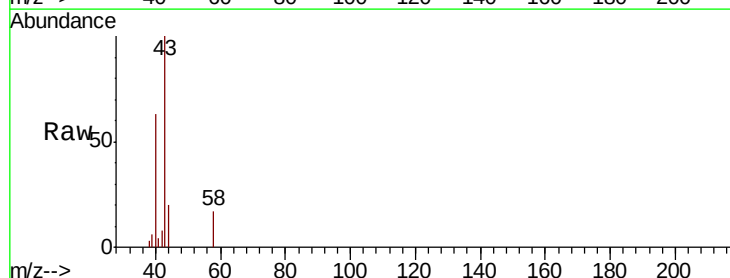
Acq: 24 Jan 2020 14:45

Tgt Ion: 43 Resp: 16334

Ion Ratio Lower Upper

43 100

58 17.2 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.18

6000

5000

4000

3000

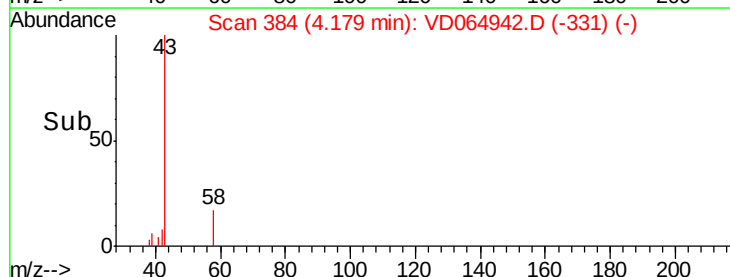
2000

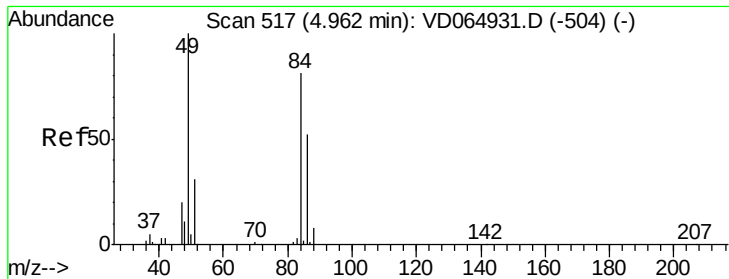
1000

0

4.10 4.15 4.20 4.25

Time-->

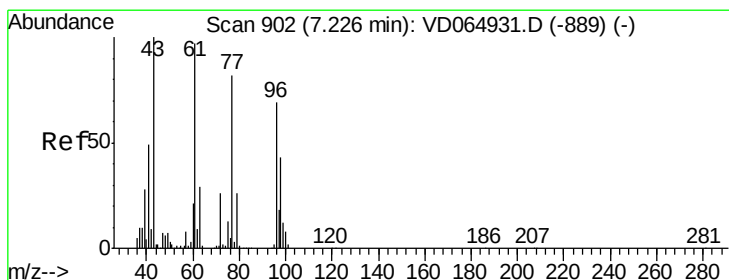
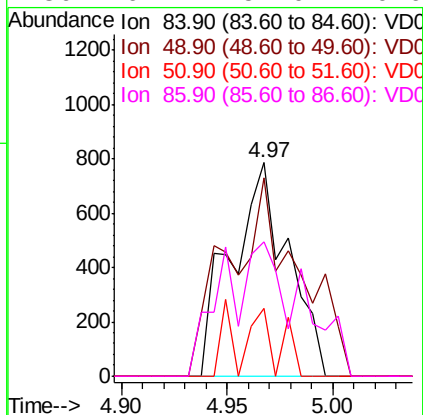
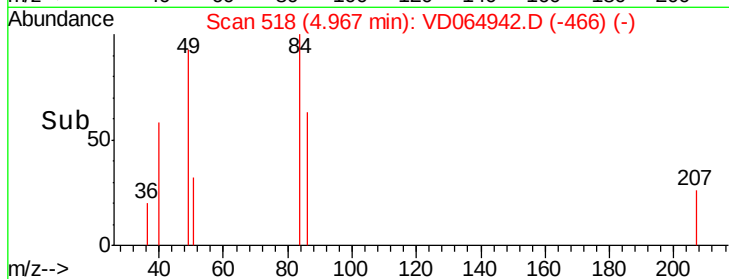
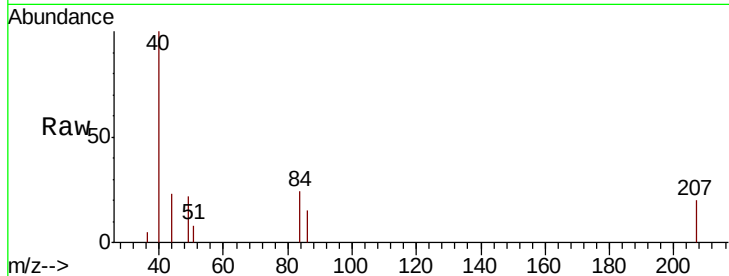




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064942.D
Acq: 24 Jan 2020 14:45

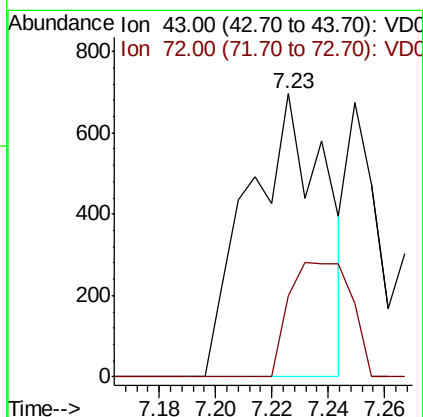
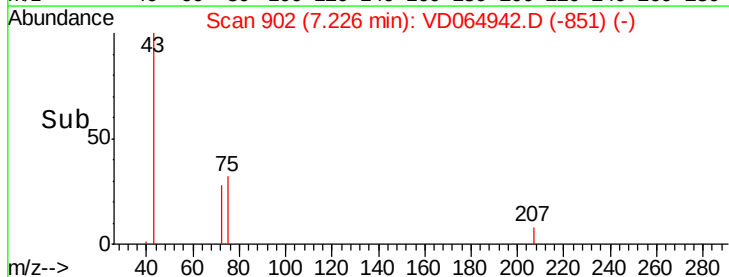
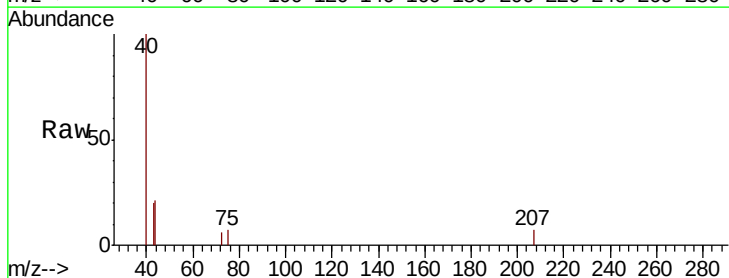
Instrument :
MSVOA_D
ClientSampled :

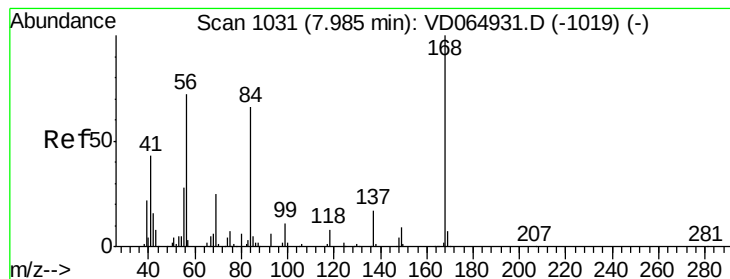
Tot Ion: 84 Resp: 1466
Ion Ratio Lower Upper
84 100
49 93.0 98.4 147.6#
51 31.6 30.8 46.2
86 62.7 51.0 76.6



#25
2-Butanone
Concen: 3.313 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064942.D
Acq: 24 Jan 2020 14:45

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
72 28.4 20.6 31.0





#31

Cyclohexane

Concen: 1.332 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064942.D

Acq: 24 Jan 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

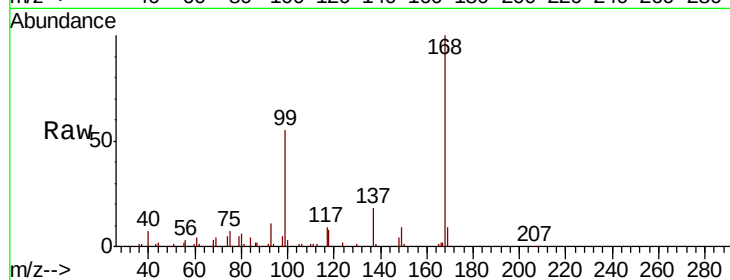
Tot Ion: 56 Resp: 3369

Ion Ratio Lower Upper

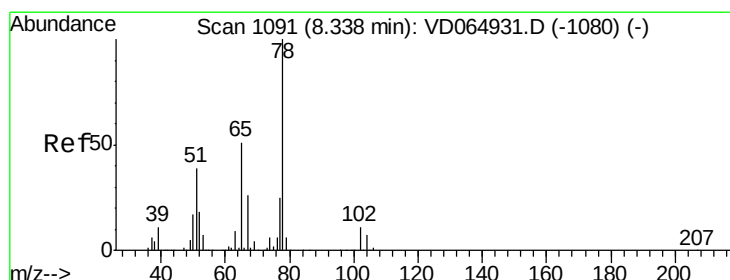
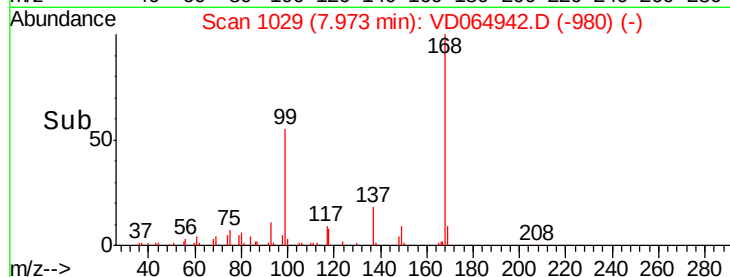
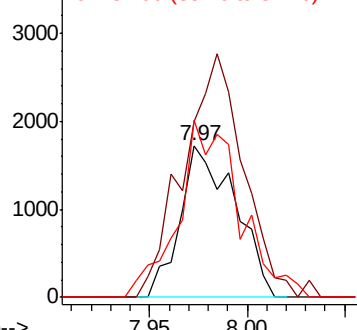
56 100

69 115.4 27.9 41.9#

84 105.5 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: 71.852 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064942.D

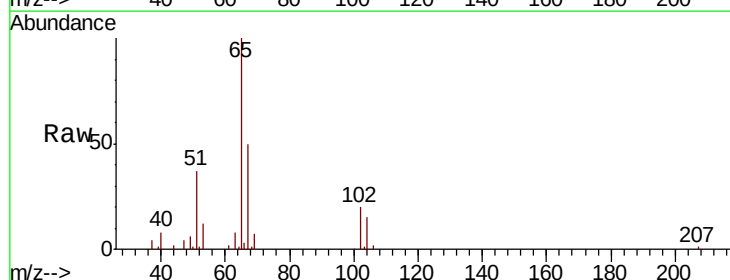
Acq: 24 Jan 2020 14:45

Tgt Ion: 65 Resp: 104276

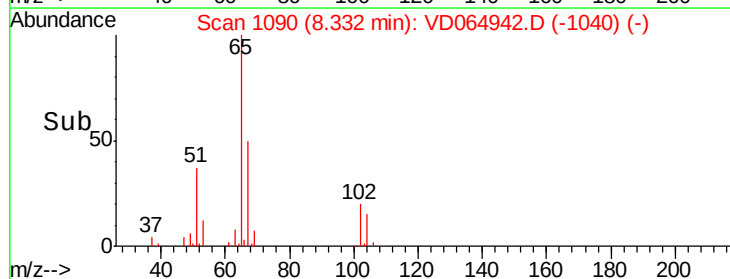
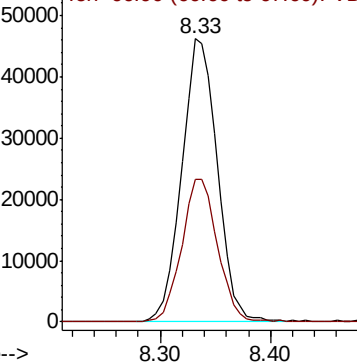
Ion Ratio Lower Upper

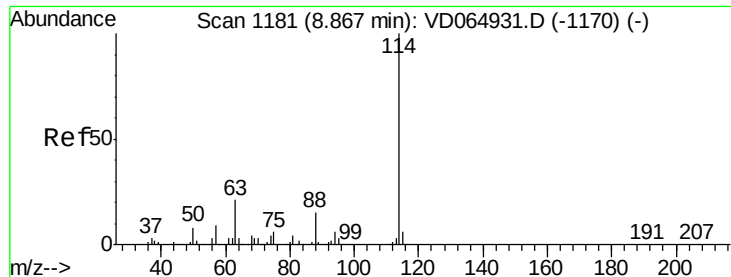
65 100

67 51.1 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: VD064942.D

Acq: 24 Jan 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

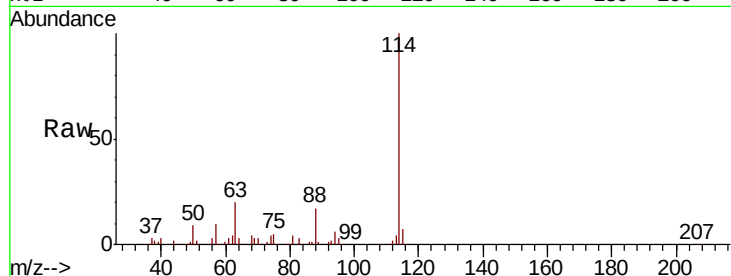
Tot Ion:114 Resp: 238869

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.0

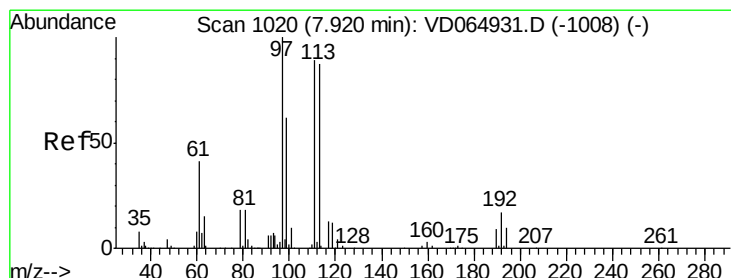
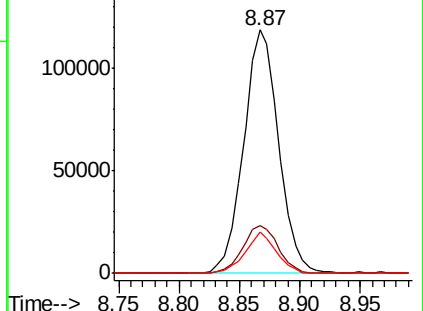
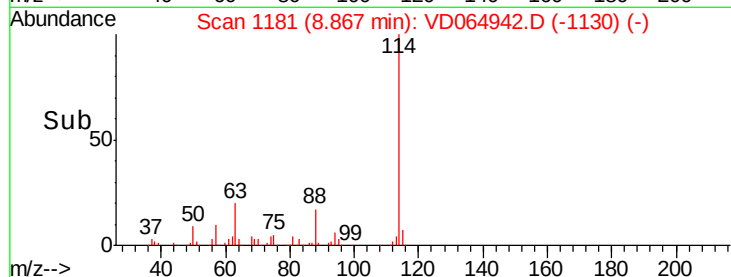
88 16.8 0.0 29.4



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: 58.881 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064942.D

Acq: 24 Jan 2020 14:45

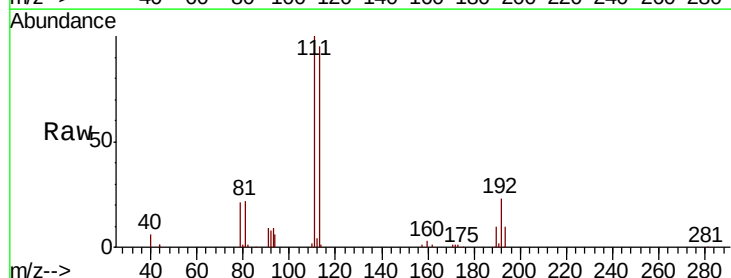
Tgt Ion:113 Resp: 88386

Ion Ratio Lower Upper

113 100

111 105.4 82.4 123.6

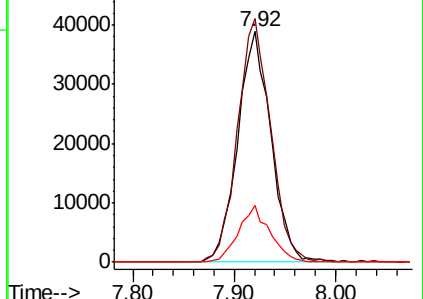
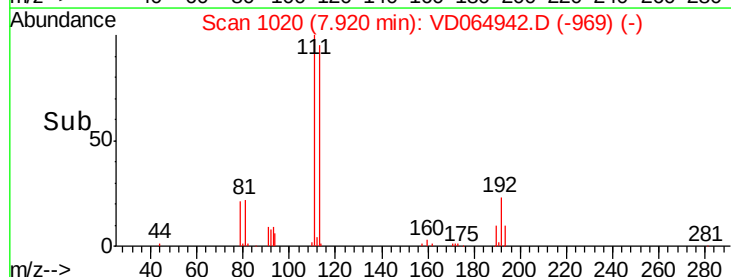
192 23.1 16.9 25.3

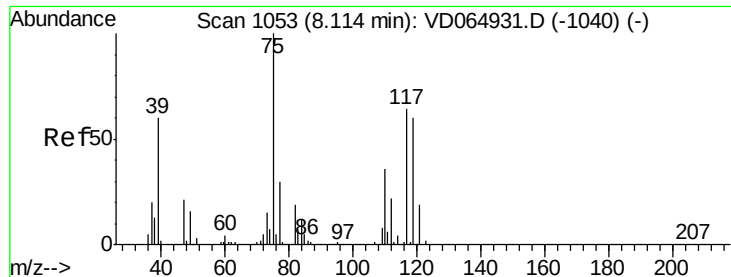


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

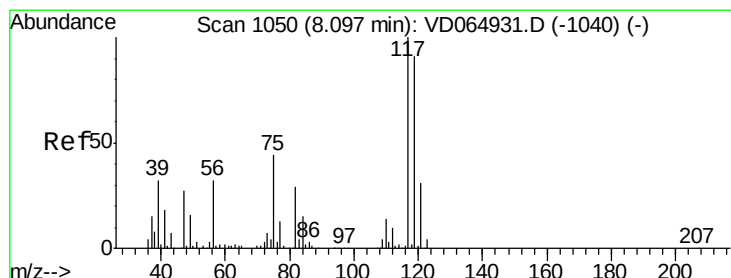
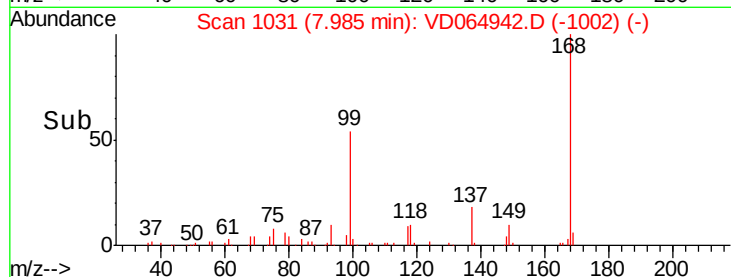
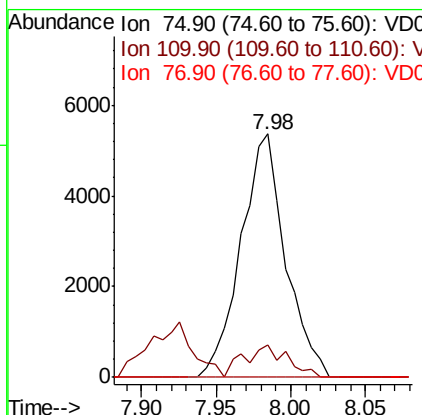
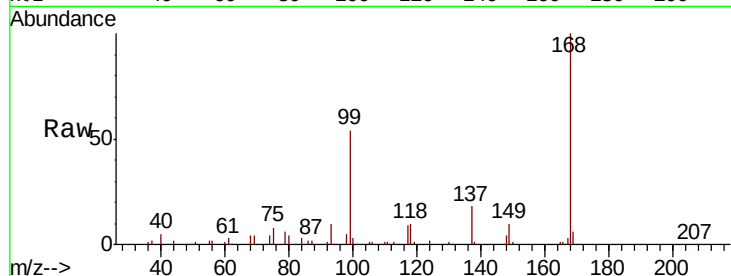




#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064942.D
 Acq: 24 Jan 2020 14:45

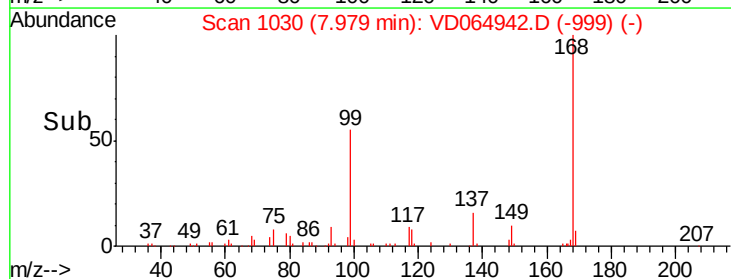
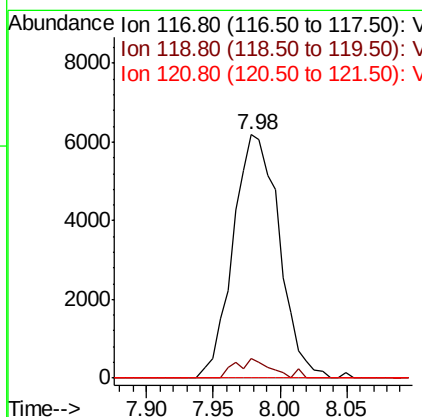
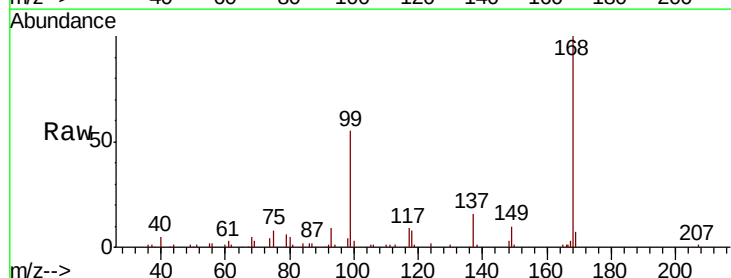
Instrument :
 MSVOA_D
 ClientSampleId :

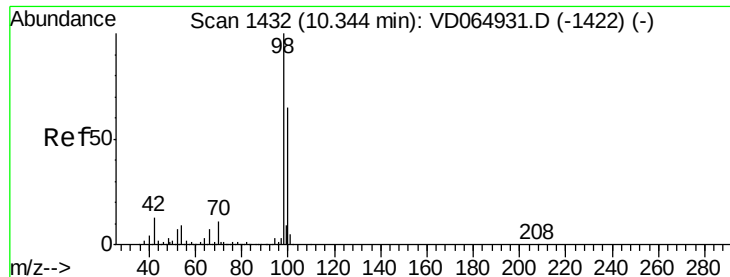
Tot Ion: 75 Resp: 11139
 Ion Ratio Lower Upper
 75 100
 110 12.9 17.3 52.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.078 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064942.D
 Acq: 24 Jan 2020 14:45

Tgt Ion: 117 Resp: 14797
 Ion Ratio Lower Upper
 117 100
 119 8.1 73.2 109.8#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.410 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064942.D

Acq: 24 Jan 2020 14:45

Instrument :

MSVOA_D

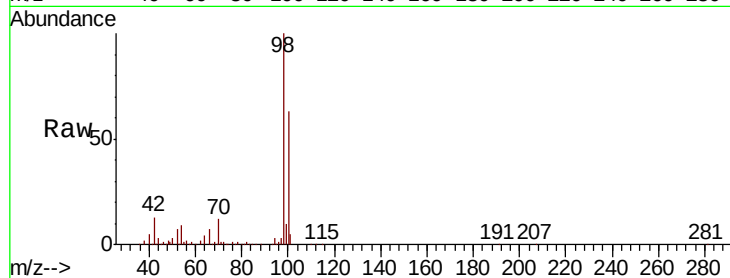
ClientSampleId :

Tot Ion: 98 Resp: 286263

Ion Ratio Lower Upper

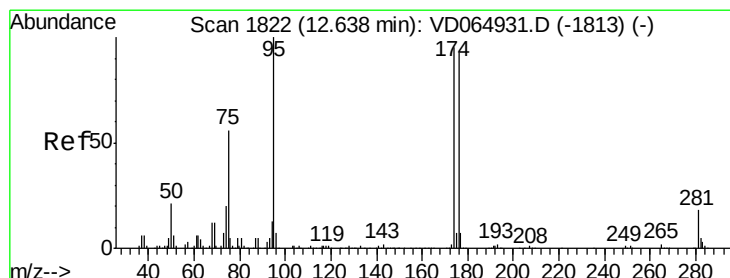
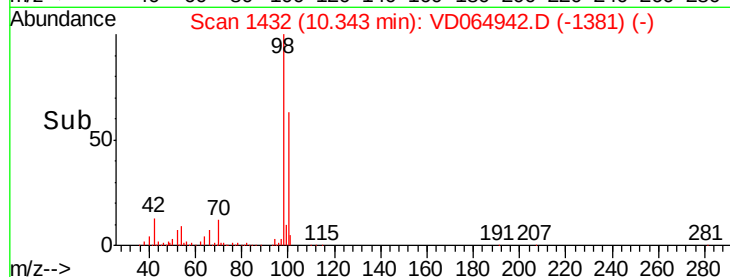
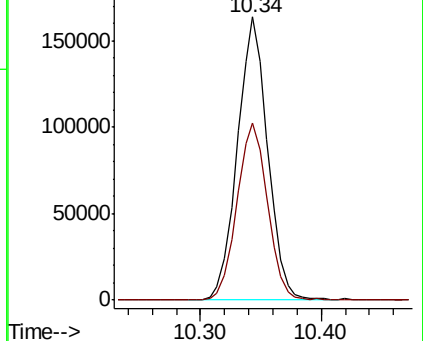
98 100

100 63.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 44.179 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064942.D

Acq: 24 Jan 2020 14:45

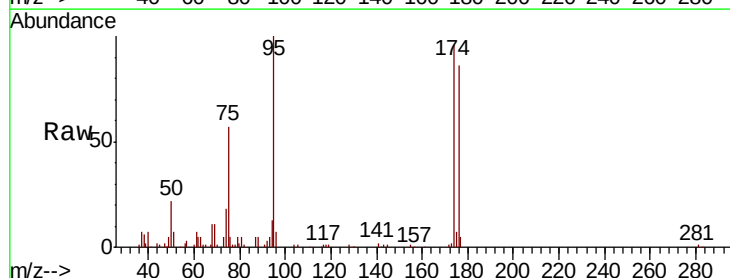
Tgt Ion: 95 Resp: 78328

Ion Ratio Lower Upper

95 100

174 93.0 0.0 186.8

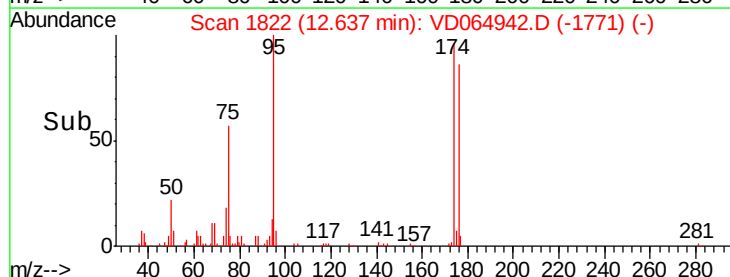
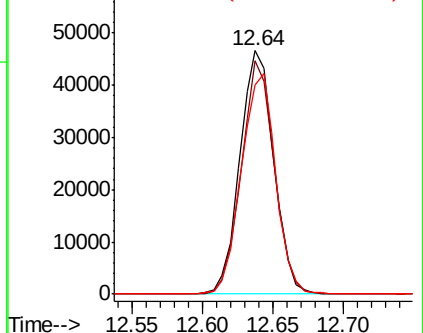
176 91.7 0.0 183.4

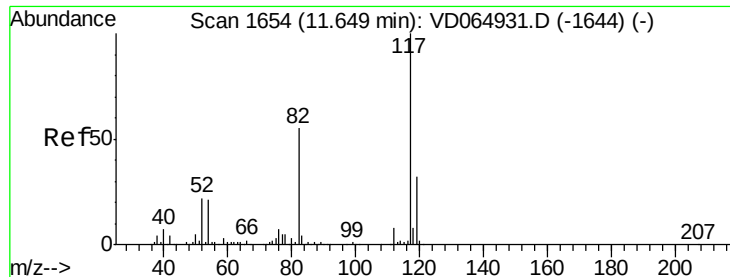


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

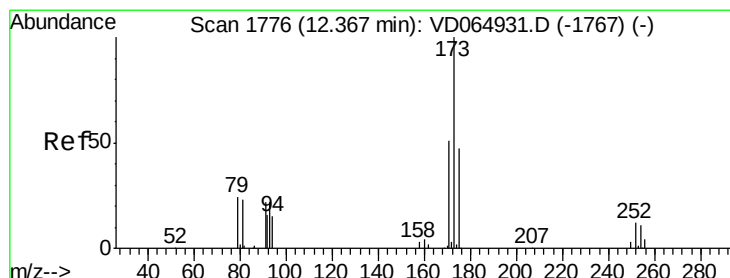
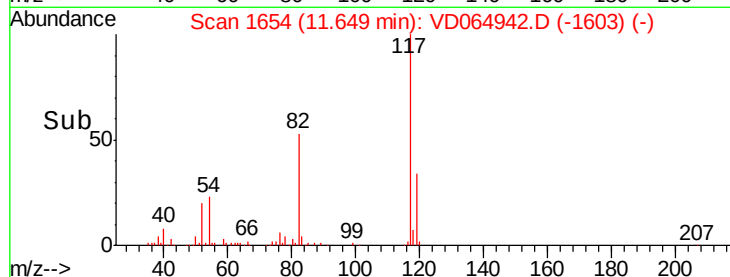
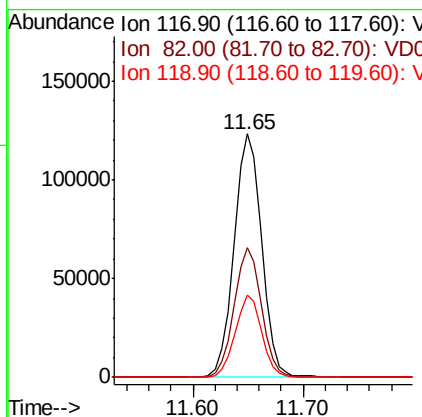
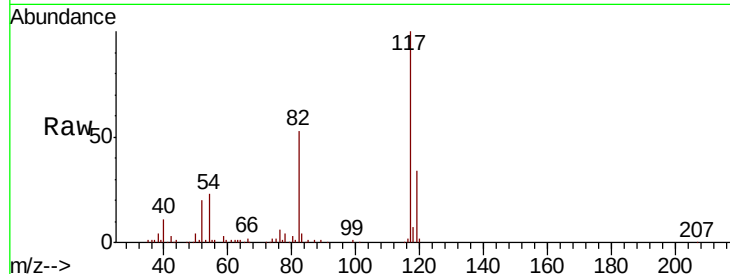




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064942.D
Acq: 24 Jan 2020 14:45

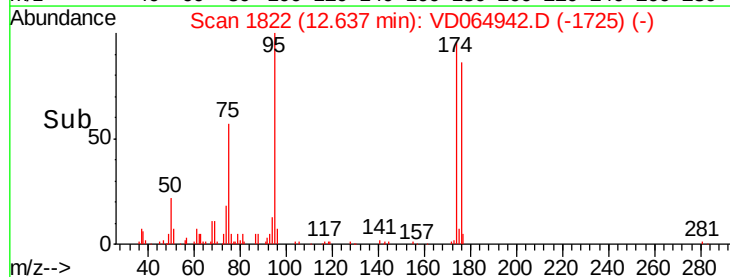
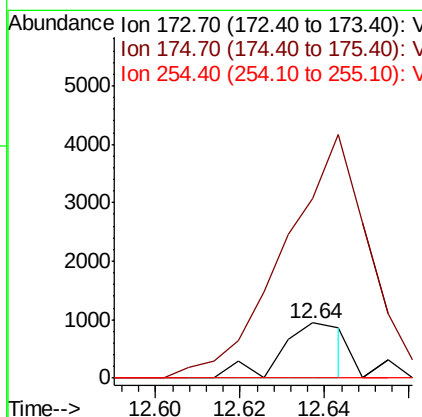
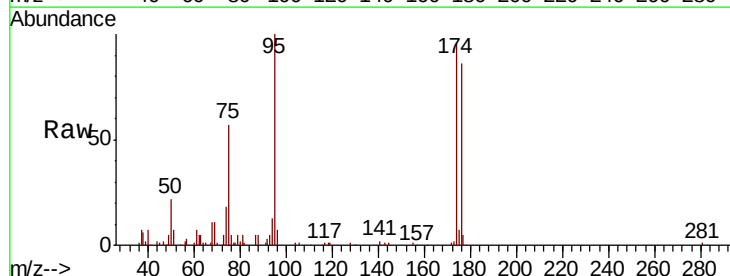
Instrument :
MSVOA_D
ClientSampleId :

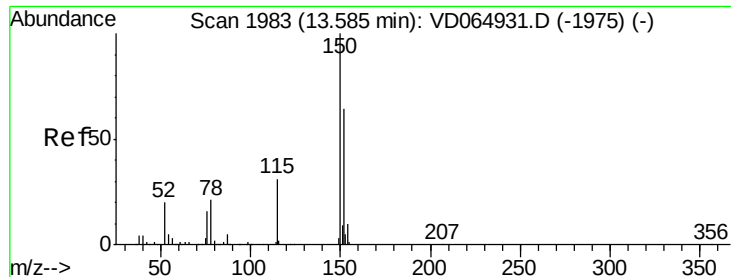
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.6	65.4
119	33.6	25.2	37.8



#71
Bromoform
Concen: 1.065 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064942.D
Acq: 24 Jan 2020 14:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.6	73.8#
254	0.0	0.1	0.1#



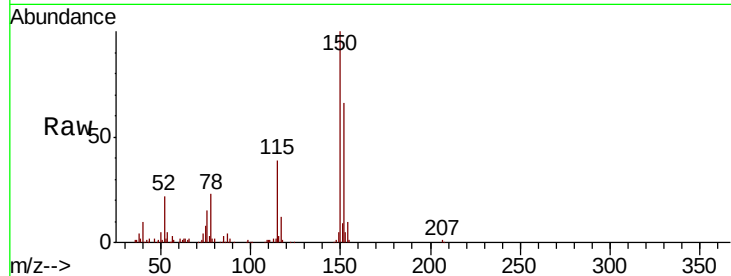


#72

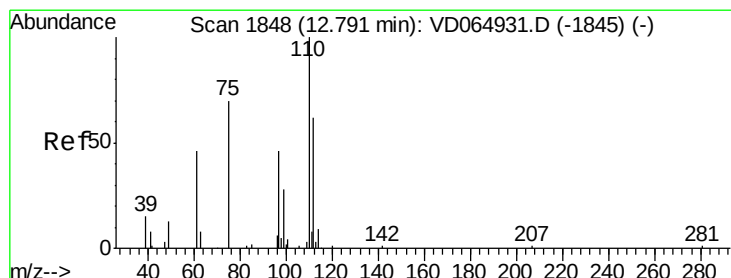
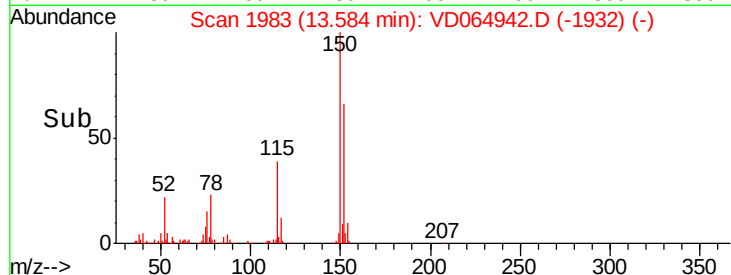
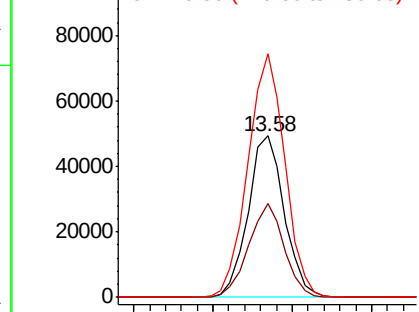
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064942.D
Acq: 24 Jan 2020 14:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 78111
Ion Ratio Lower Upper
152 100
115 56.7 28.1 84.4
150 153.9 0.0 350.4



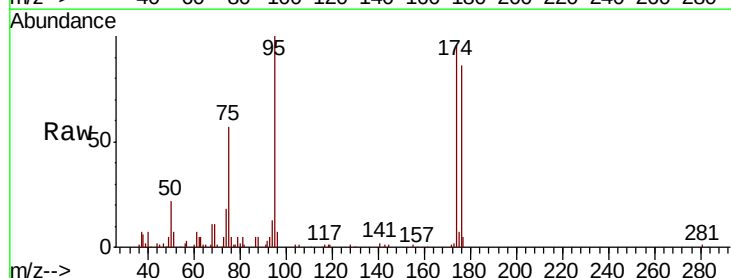
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



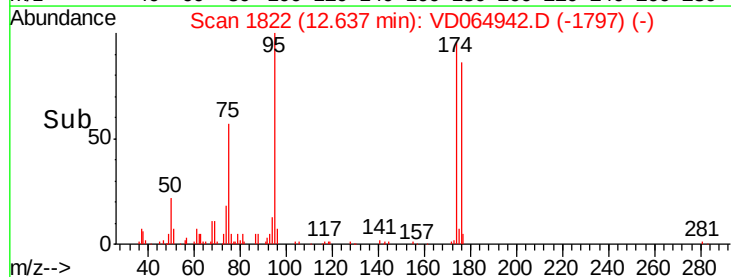
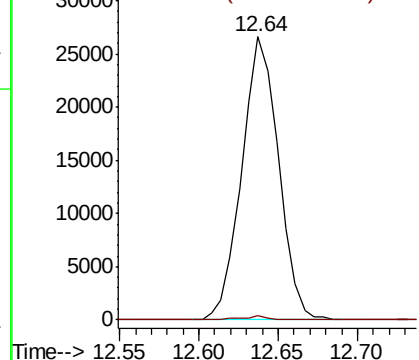
#76

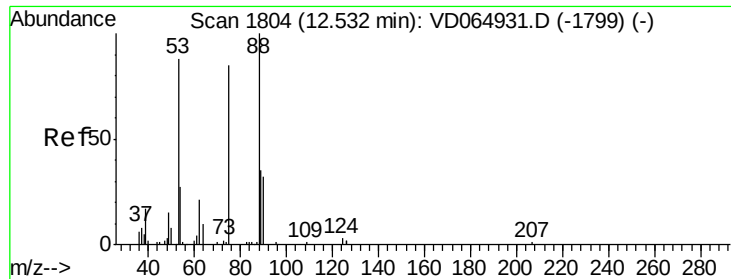
1,2,3-Trichloropropane
Concen: 66.119 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064942.D
Acq: 24 Jan 2020 14:45

Tgt Ion: 75 Resp: 42867
Ion Ratio Lower Upper
75 100
77 1.0 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: 141.180 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064942.D

Acq: 24 Jan 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 42867

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#

