

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064605.D
 Acq On : 26 Dec 2019 18:01
 Operator : VA/SY
 Sample : K6437-04
 Misc : 7.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:41:33 2019
 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	7.98	168	483593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	762895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	734330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	356147	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	223905	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.92	113	236608	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.34	98	929561	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.64	95	307959	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	

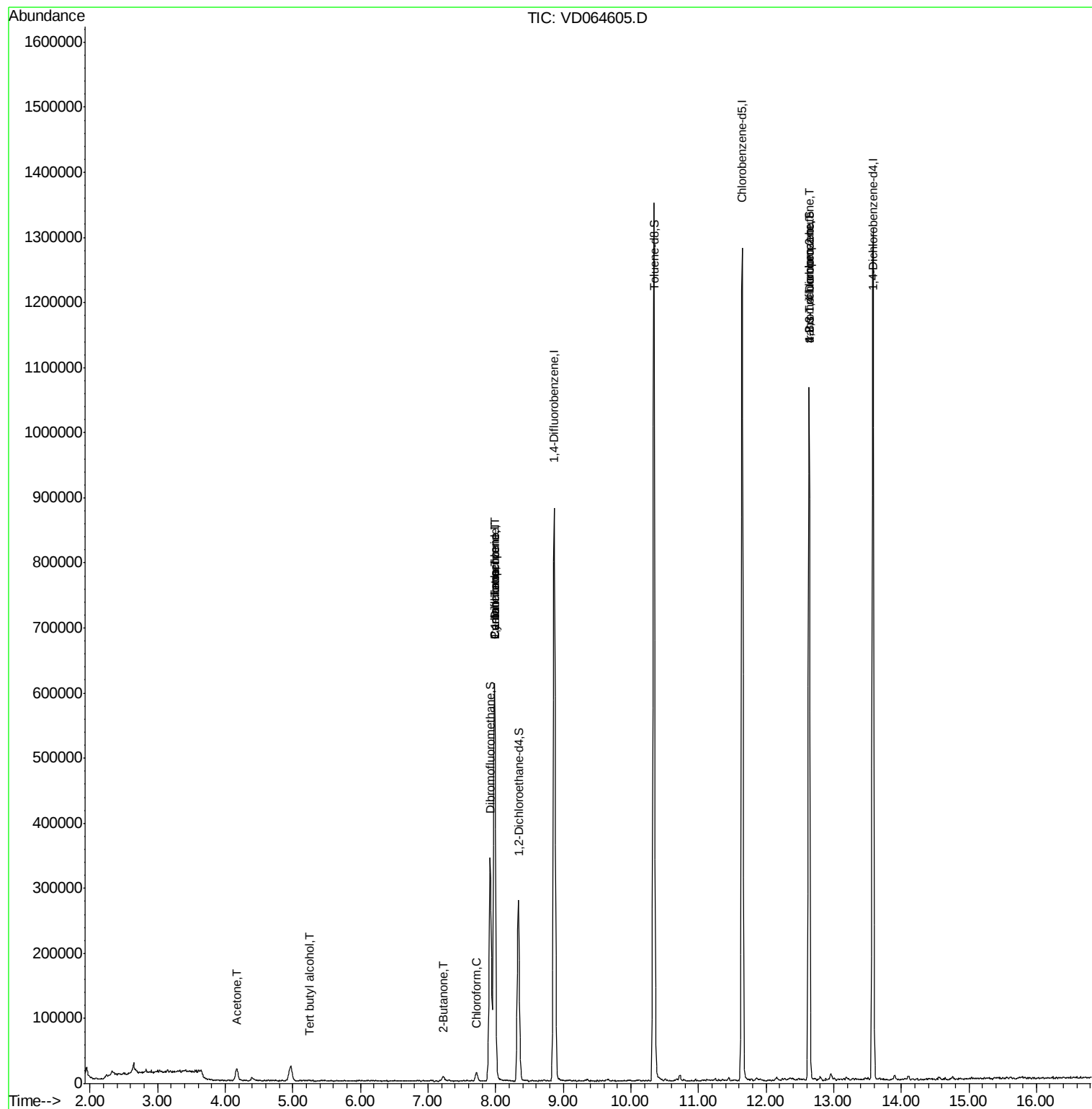
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	493	2.017	ug/l #	70
16) Acetone	4.17	43	34187	38.101	ug/l	89
20) Methylene Chloride	4.97	84	17977	Below Cal	#	83
25) 2-Butanone	7.24	43	7804	6.658	ug/l #	84
30) Chloroform	7.71	83	12960	1.555	ug/l	90
31) Cyclohexane	7.98	56	9948	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33960	4.625	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45280	5.783	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	167260	59.473	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167260	124.386	ug/l #	10

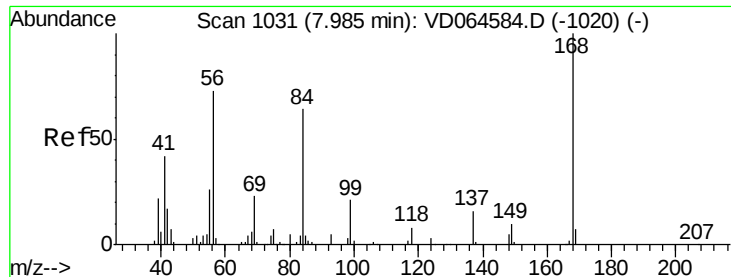
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064605.D
Acq On : 26 Dec 2019 18:01
Operator : VA/SY
Sample : K6437-04
Misc : 7.17G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 27 01:41:33 2019
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: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

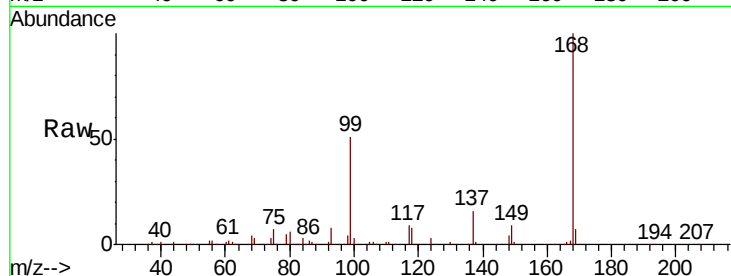
ClientSampleId :

Tot Ion:168 Resp: 483593

Ion Ratio Lower Upper

168 100

99 51.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

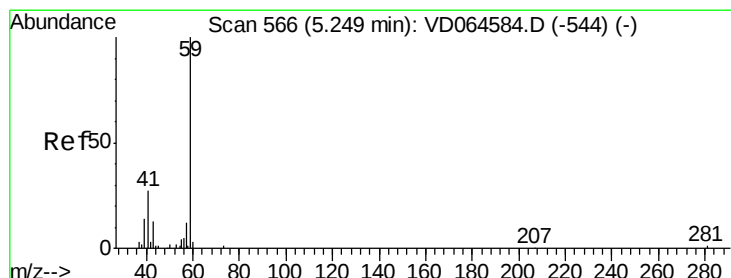
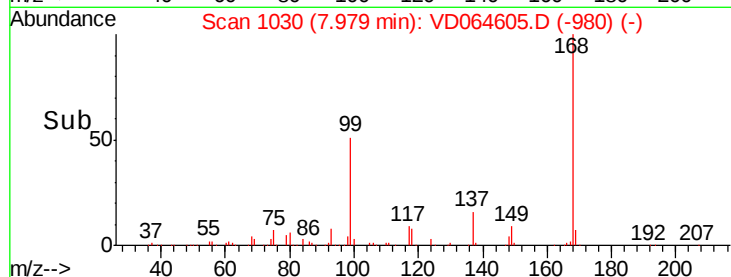
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.017 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064605.D

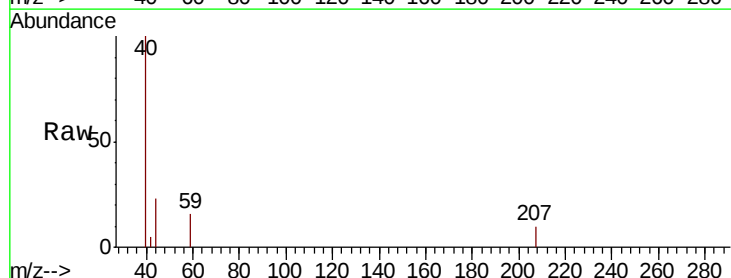
Acq: 26 Dec 2019 18:01

Tgt Ion: 59 Resp: 493

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

500

400

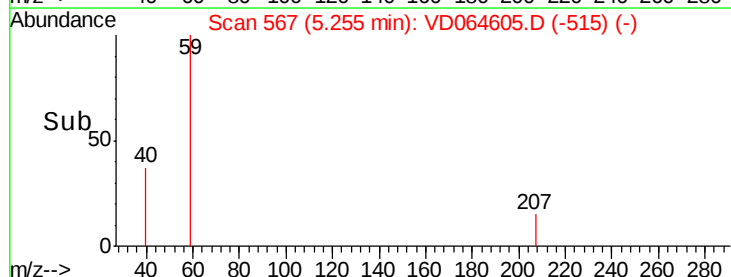
300

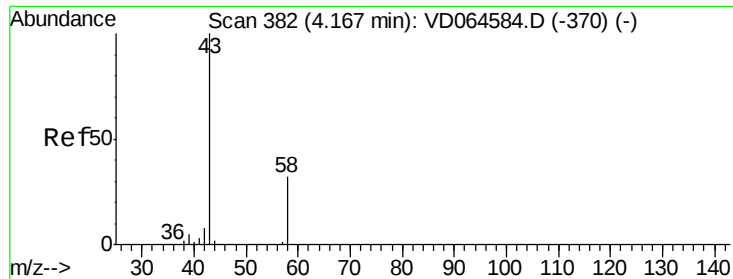
200

100

0

Time-->





#16

Acetone

Concen: 38.101 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

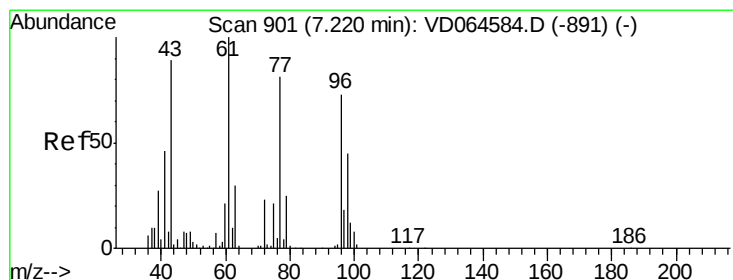
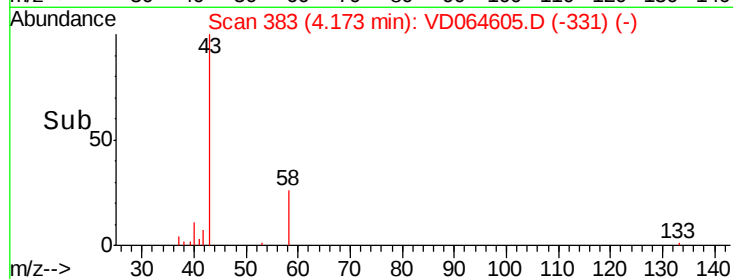
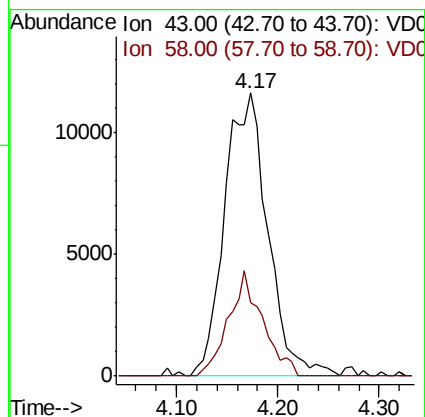
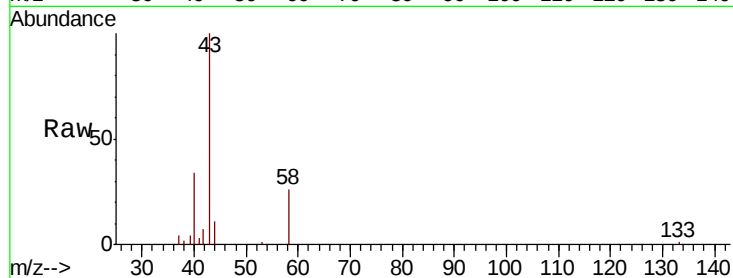
ClientSampleId :

Tot Ion: 43 Resp: 34187

Ion Ratio Lower Upper

43 100

58 26.1 25.8 38.6



#25

2-Butanone

Concen: 6.658 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD064605.D

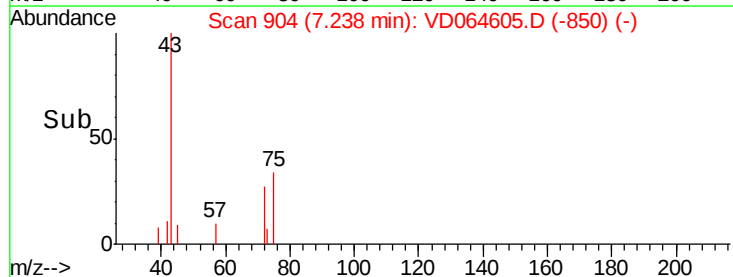
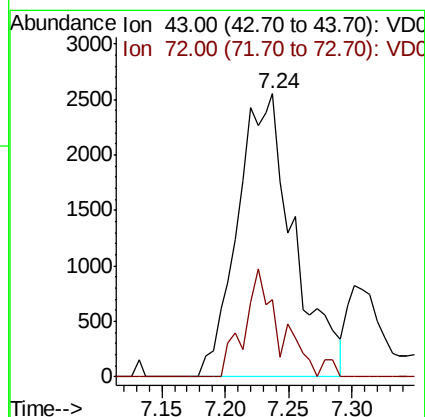
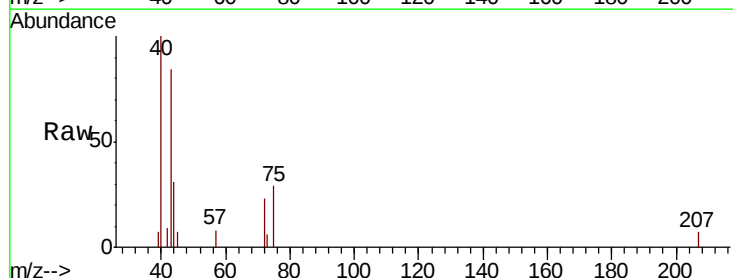
Acq: 26 Dec 2019 18:01

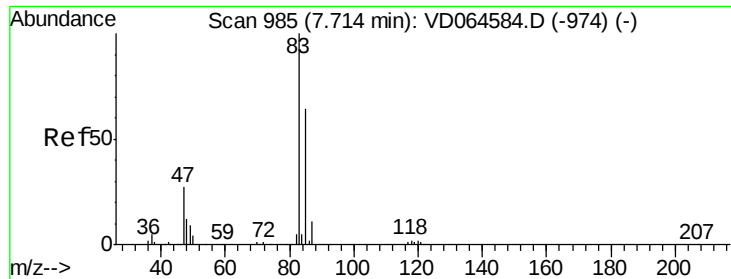
Tgt Ion: 43 Resp: 7804

Ion Ratio Lower Upper

43 100

72 34.2 20.7 31.1#

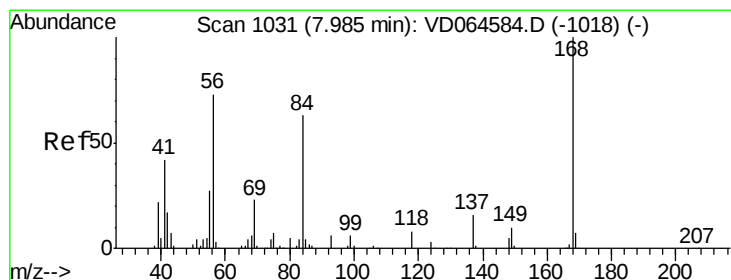
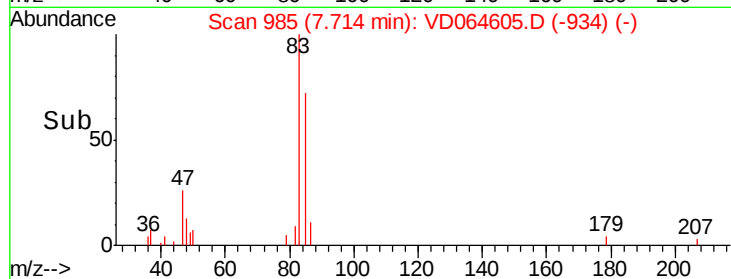
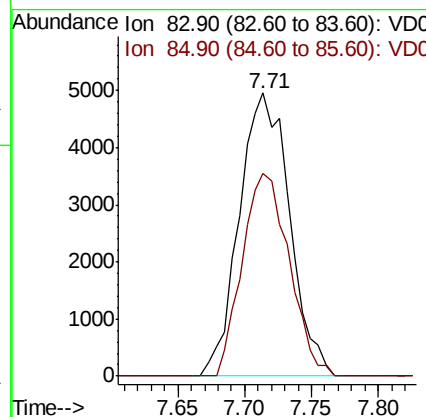
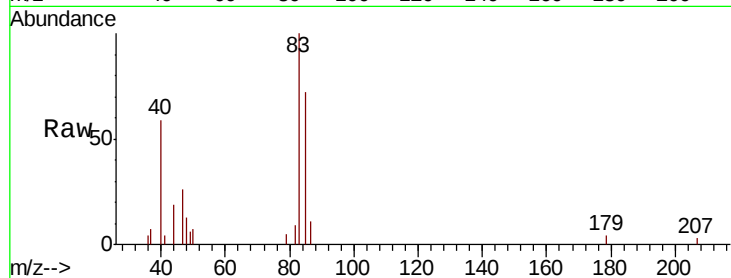




#30
Chloroform
Concen: 1.555 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064605.D
Acq: 26 Dec 2019 18:01

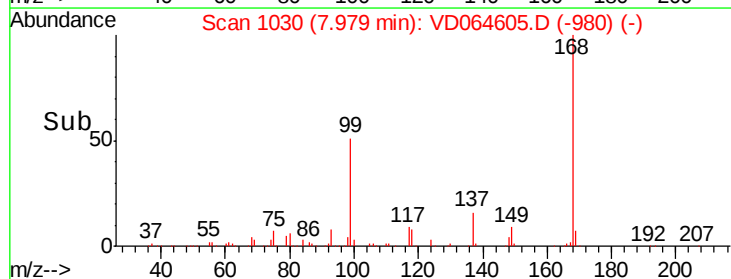
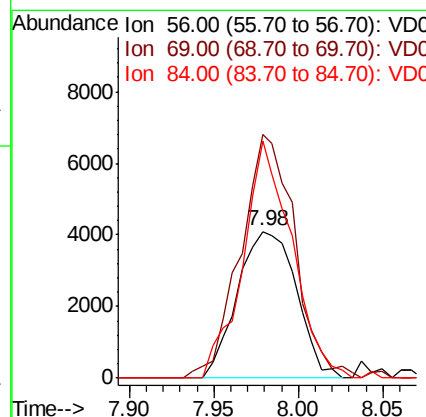
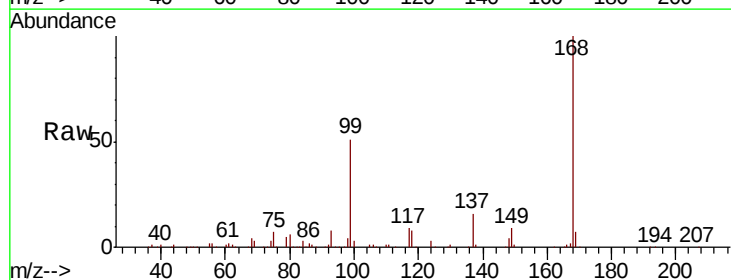
Instrument :
MSVOA_D
ClientSampled :

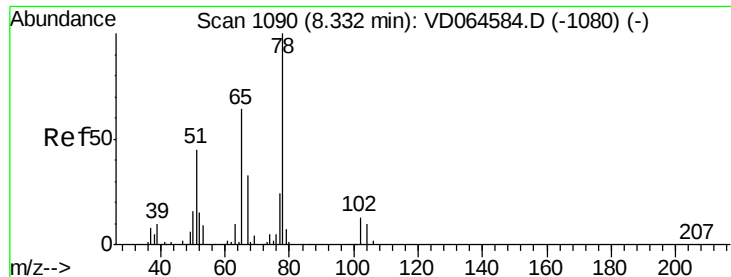
Tot Ion: 83 Resp: 12960
Ion Ratio Lower Upper
83 100
85 71.6 51.1 76.7



#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064605.D
Acq: 26 Dec 2019 18:01

Tgt Ion: 56 Resp: 9948
Ion Ratio Lower Upper
56 100
69 161.4 24.7 37.1#
84 161.6 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 52.507 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

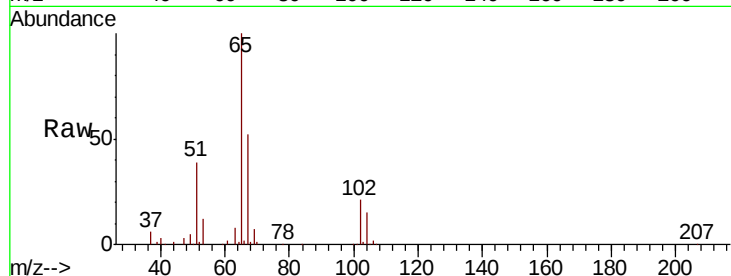
ClientSampled :

Tot Ion: 65 Resp: 223905

Ion Ratio Lower Upper

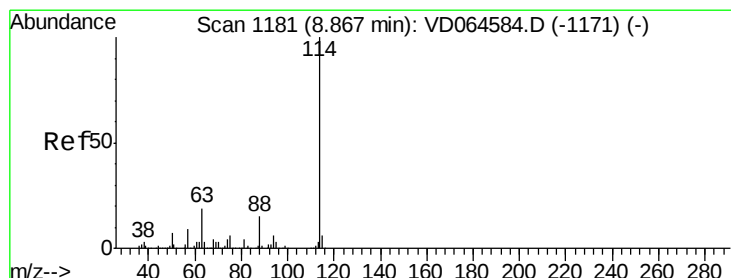
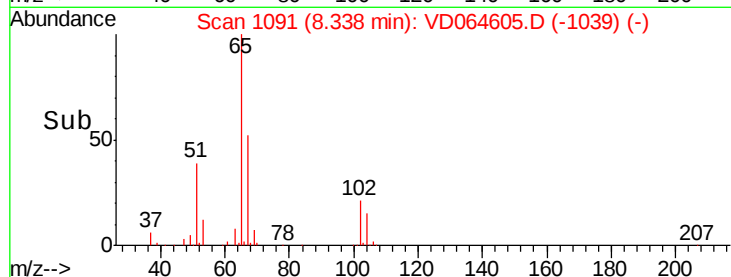
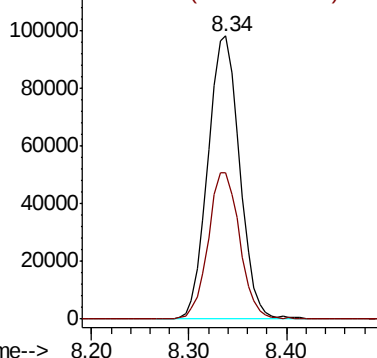
65 100

67 51.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

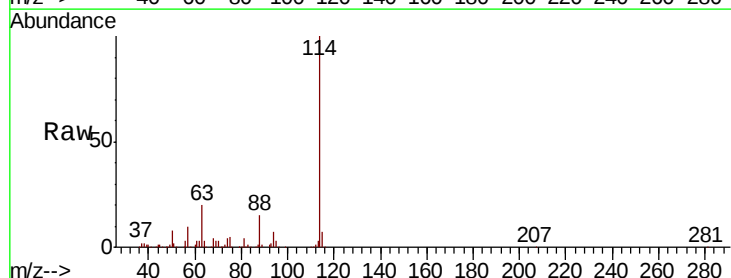
Tgt Ion: 114 Resp: 762895

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

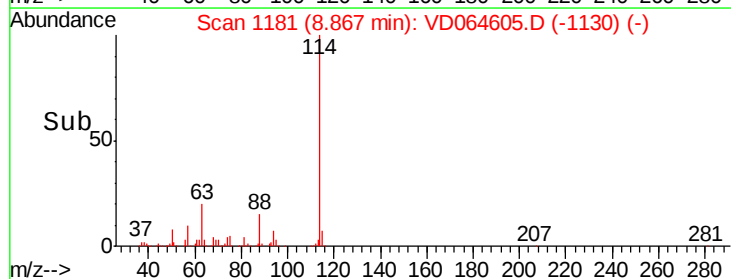
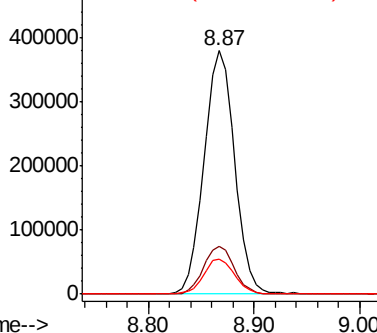
88 14.5 0.0 29.2

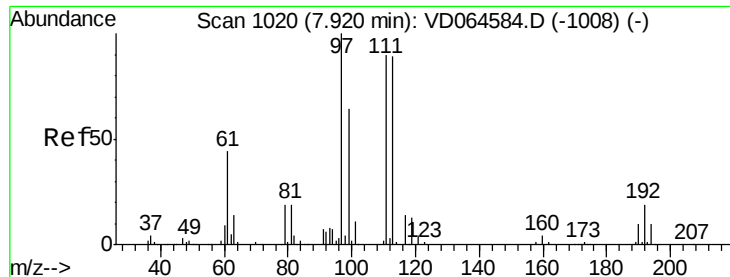


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V





#35

Dibromofluoromethane

Concen: 50.552 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

ClientSampleId :

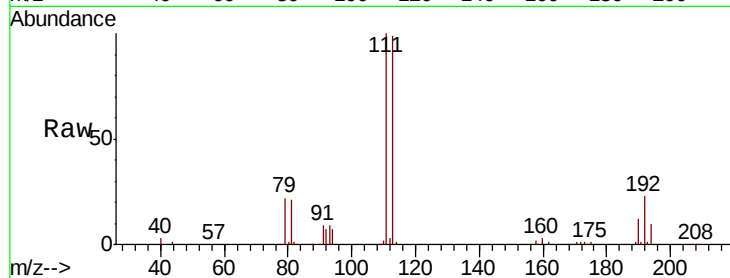
Tot Ion:113 Resp: 236608

Ion Ratio Lower Upper

113 100

111 102.9 80.6 121.0

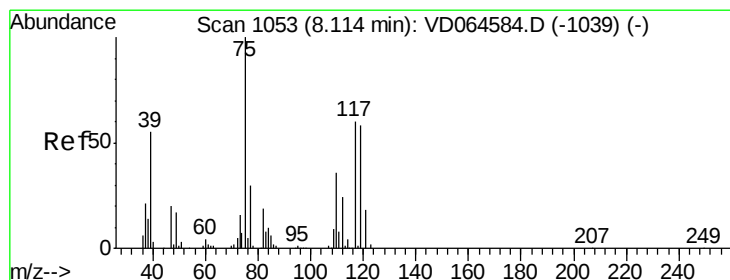
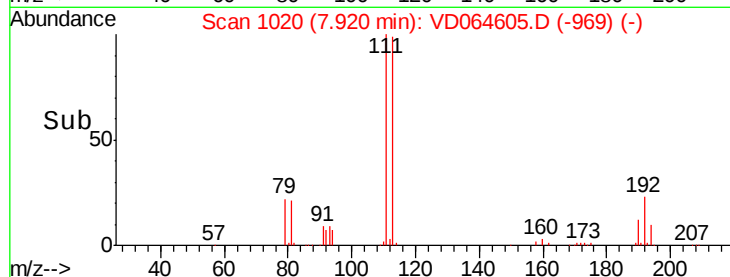
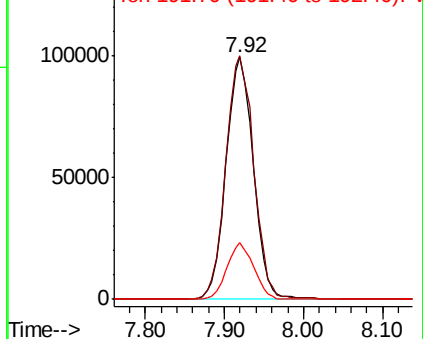
192 23.0 17.9 26.9



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



#36

1,1-Dichloropropene

Concen: 4.625 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

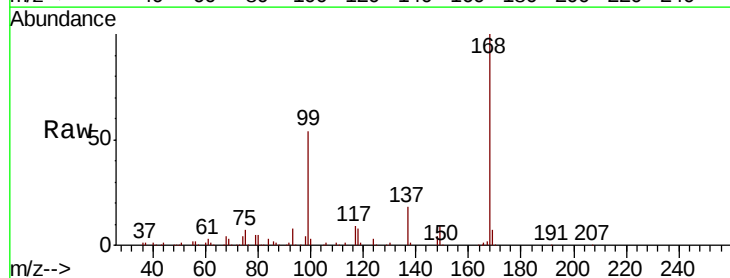
Tgt Ion: 75 Resp: 33960

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

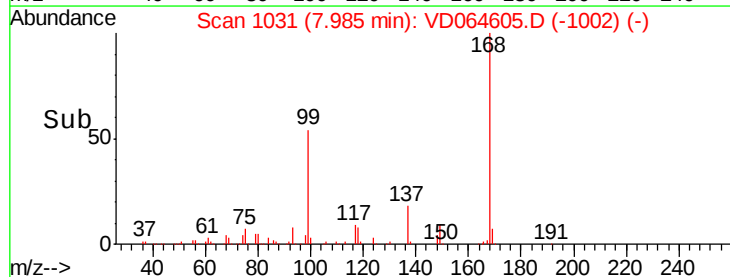
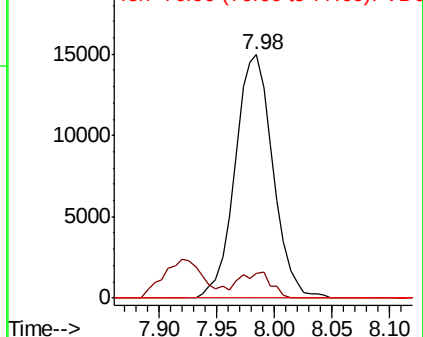
77 0.0 24.2 36.4#

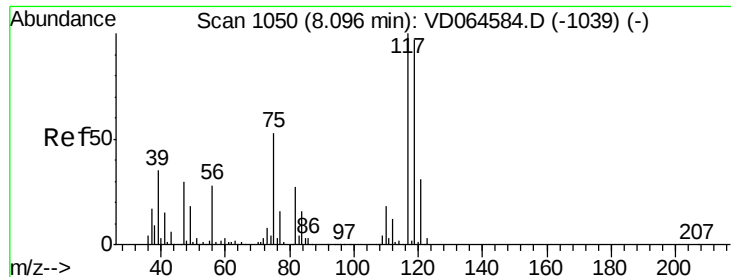


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.783 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

ClientSampleId :

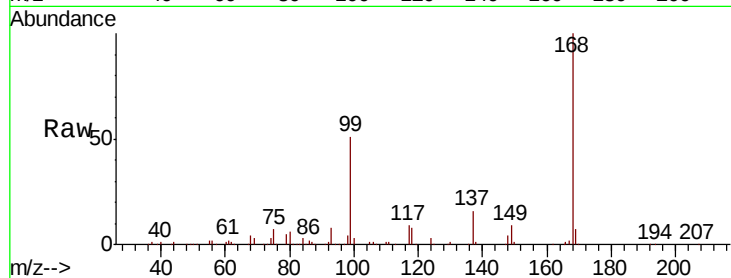
Tot Ion:117 Resp: 45280

Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

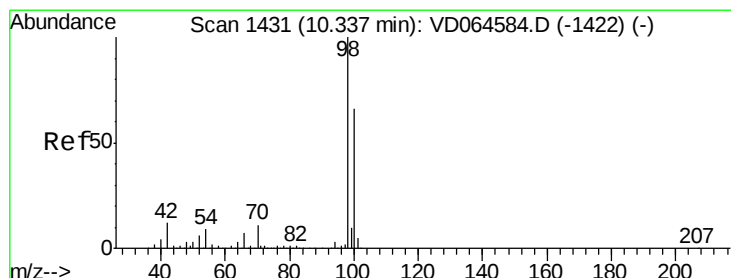
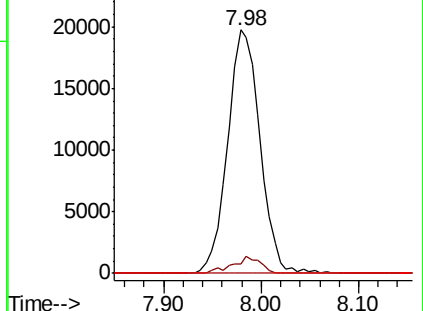
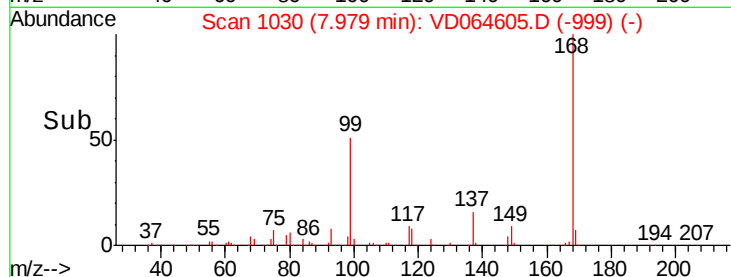
121 0.0 25.0 37.6#



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: 51.856 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064605.D

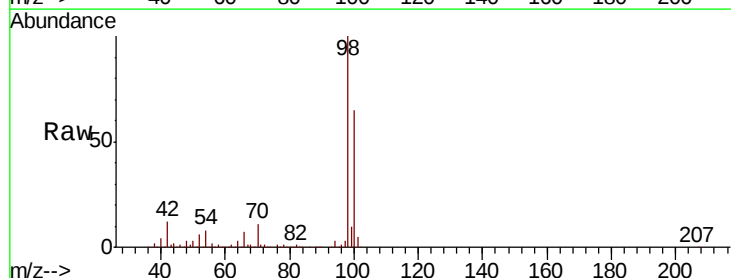
Acq: 26 Dec 2019 18:01

Tgt Ion: 98 Resp: 929561

Ion Ratio Lower Upper

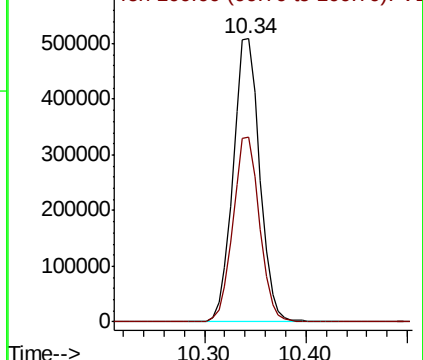
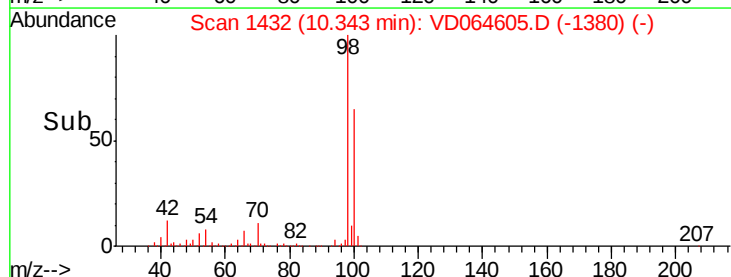
98 100

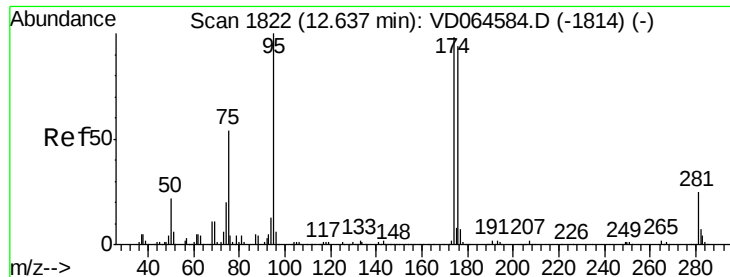
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

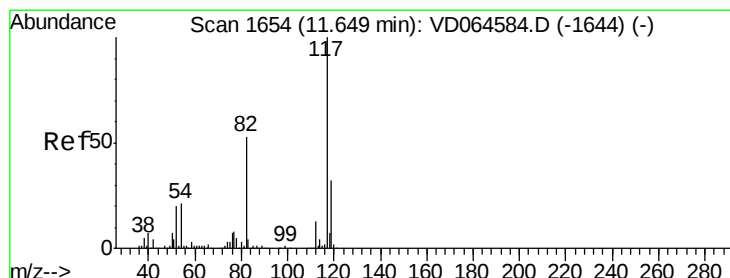
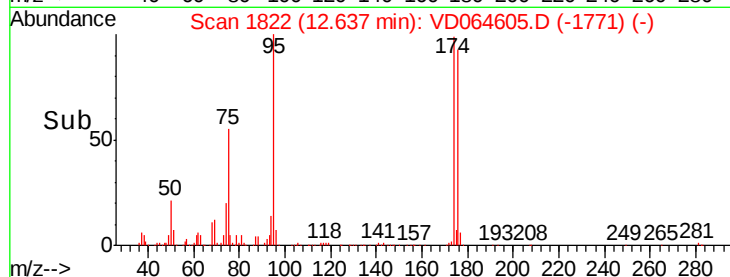
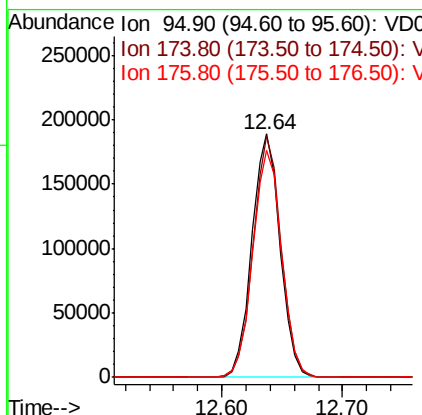
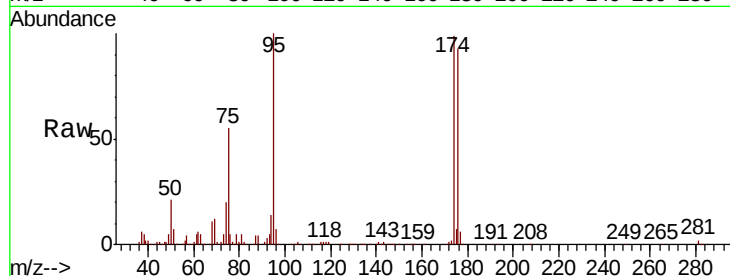




#62
4-Bromofluorobenzene
Concen: 54.330 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064605.D
Acq: 26 Dec 2019 18:01

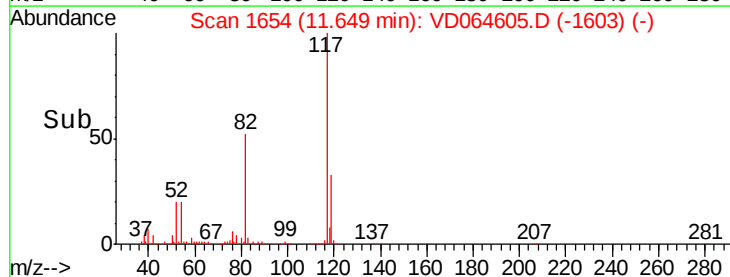
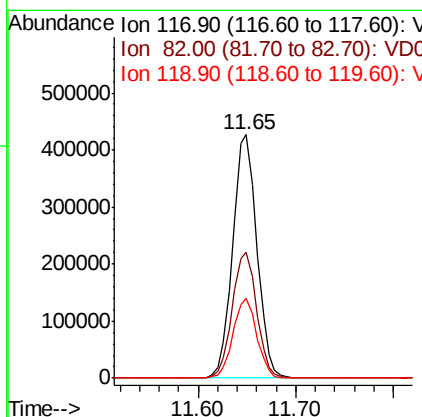
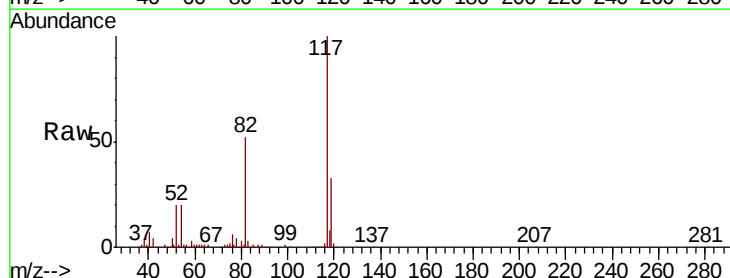
Instrument :
MSVOA_D
ClientSampleId :

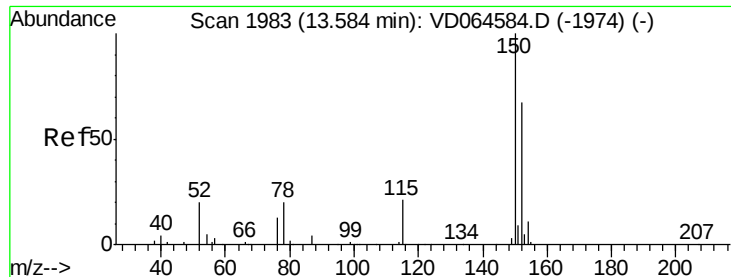
Tot Ion	Ratio	Lower	Upper
95	100		
174	98.1	0.0	193.2
176	95.0	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064605.D
Acq: 26 Dec 2019 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.4
119	32.9	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: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

ClientSampled :

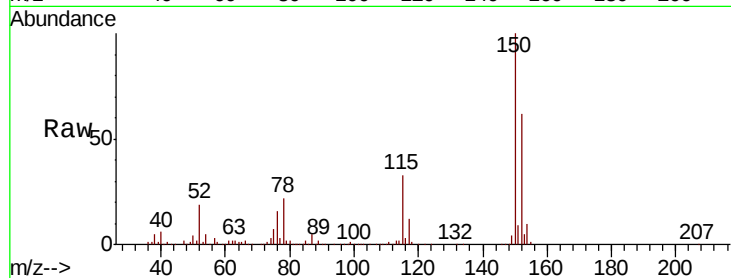
Tot Ion:152 Resp: 356147

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.4

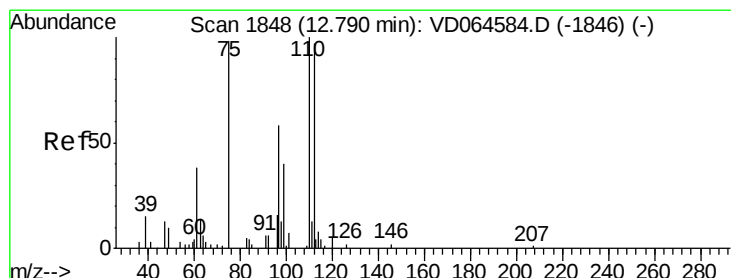
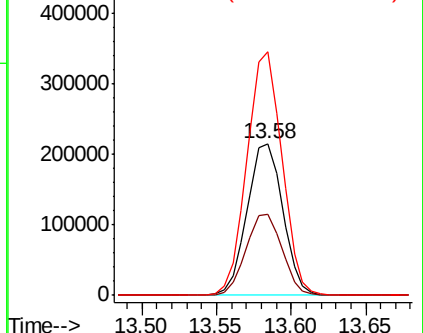
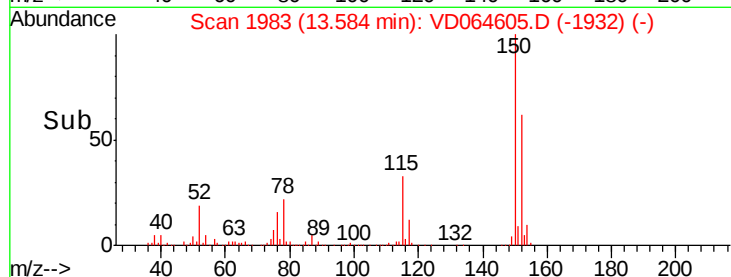
150 157.3 0.0 351.4



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: 59.473 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064605.D

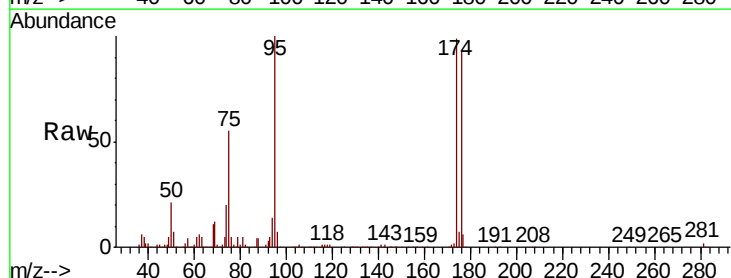
Acq: 26 Dec 2019 18:01

Tgt Ion: 75 Resp: 167260

Ion Ratio Lower Upper

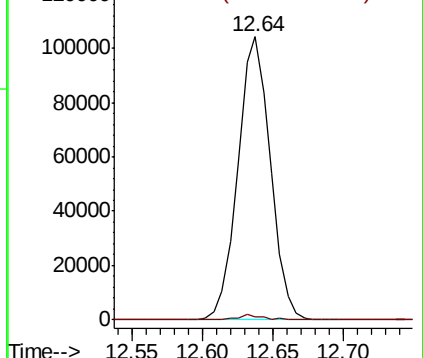
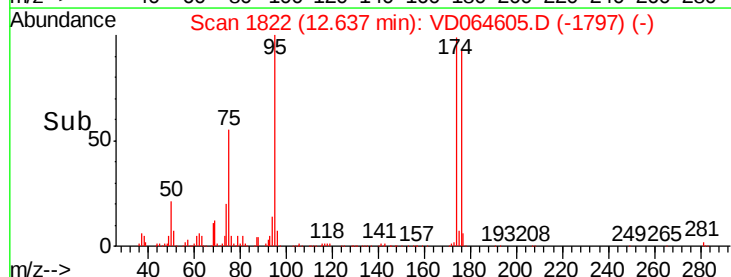
75 100

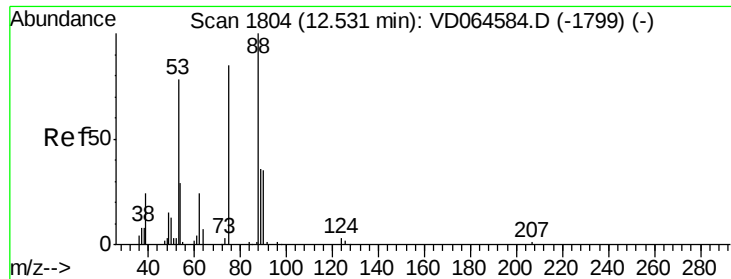
77 1.4 0.0 0.0#



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: 124.386 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064605.D

Acq: 26 Dec 2019 18:01

Instrument :

MSVOA_D

ClientSampleId :

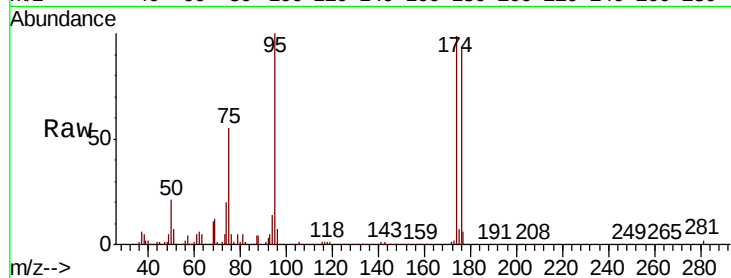
Tot Ion: 75 Resp: 167260

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#



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

