

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064688.D
 Acq On : 31 Dec 2019 11:55
 Operator : VA/SY
 Sample : K6450-02RE
 Misc : 9.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB446_191226-FD-30-32RE

Quant Time: Jan 01 00:45:20 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	7.98	168	480671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	562737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	197051	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	202139	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.92	113	222287	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.34	98	856054	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.64	95	202893	37.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.32%	

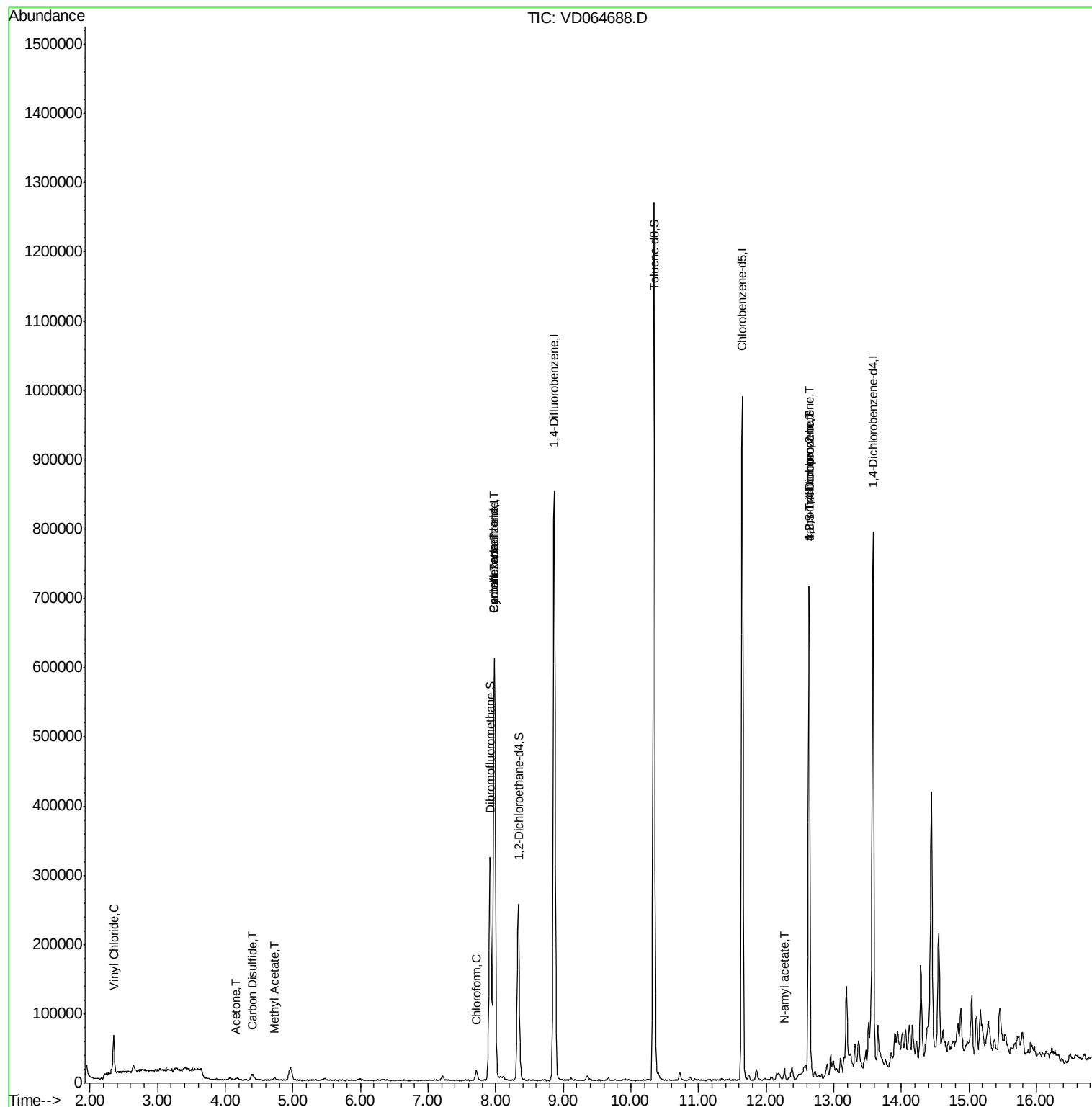
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	47289	7.424	ug/l	99
16) Acetone	4.16	43	2475	6.630	ug/l	95
17) Carbon Disulfide	4.41	76	17840	1.305	ug/l	96
18) Methyl Acetate	4.73	43	2553	1.070	ug/l #	71
20) Methylene Chloride	4.97	84	13308	Below Cal		86
30) Chloroform	7.71	83	13006	1.570	ug/l	92
31) Cyclohexane	7.98	56	12628	1.598	ug/l #	56
38) Carbon Tetrachloride	7.98	117	44748	5.933	ug/l #	15
74) N-amyl acetate	12.27	43	3752	1.246	ug/l #	60
76) 1,2,3-Trichloropropane	12.64	75	110734	71.164	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110734	148.838	ug/l #	11

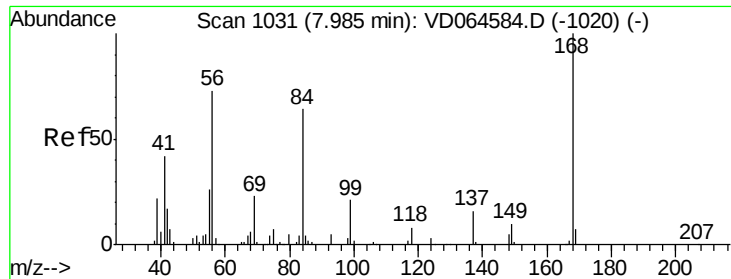
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
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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: VD064688.D

Acq: 31 Dec 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

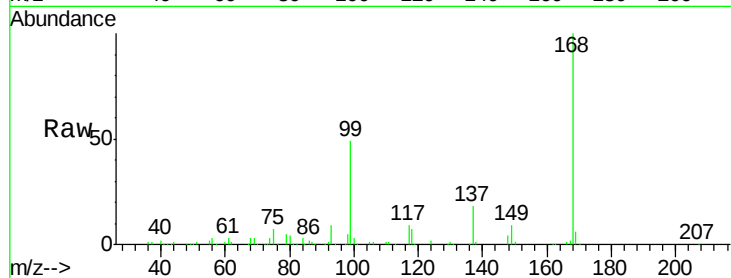
WP022SB446_191226-FD-30-32RE

Tgt Ion:168 Resp: 480671

Ion Ratio Lower Upper

168 100

99 49.2 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

250000

200000

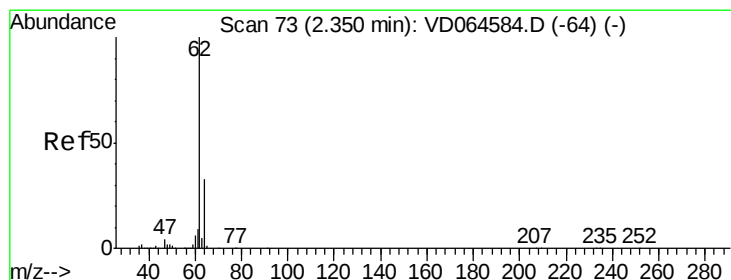
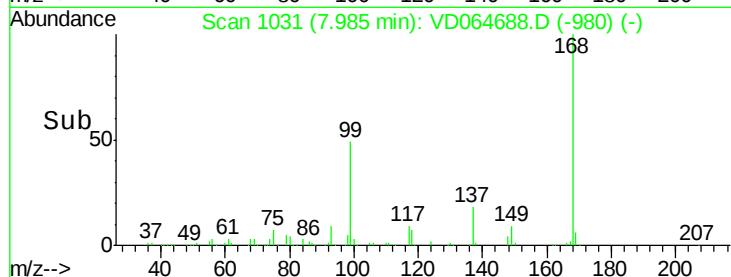
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 7.424 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064688.D

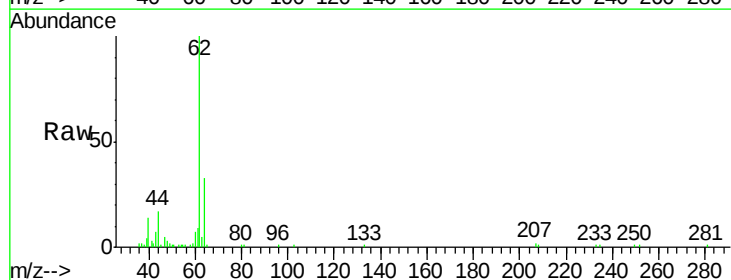
Acq: 31 Dec 2019 11:55

Tgt Ion: 62 Resp: 47289

Ion Ratio Lower Upper

62 100

64 32.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

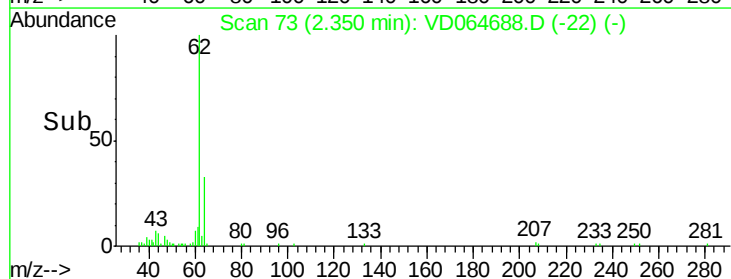
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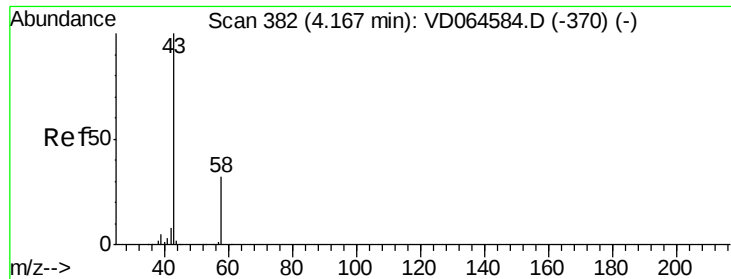
20000

10000

0

Time-->





#16

Acetone

Concen: 6.630 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

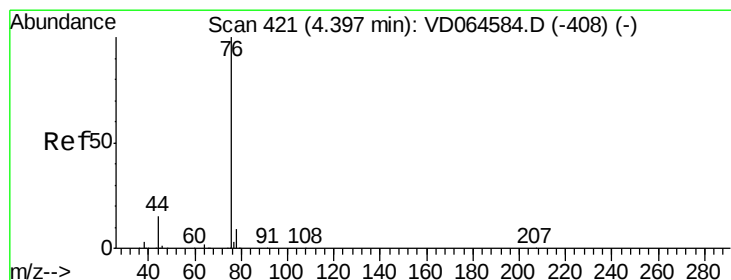
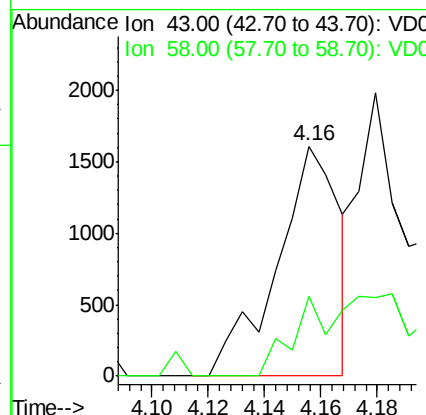
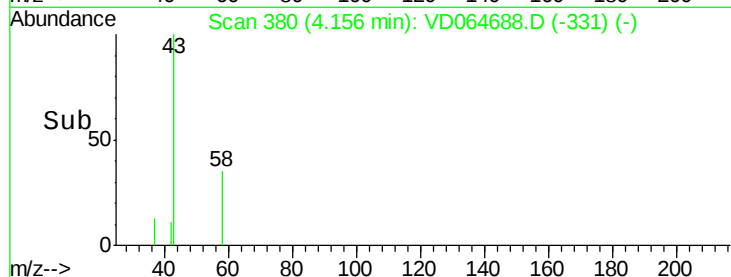
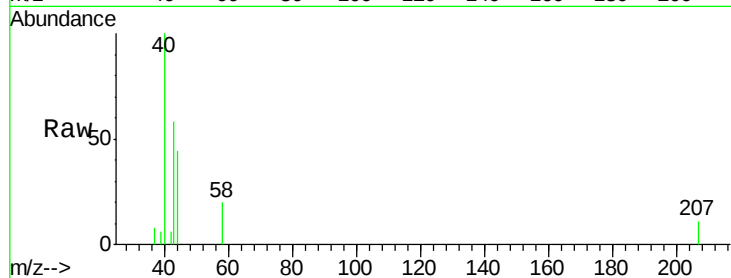
WP022SB446_191226-FD-30-32RE

Tgt Ion: 43 Resp: 2475

Ion Ratio Lower Upper

43 100

58 34.9 25.8 38.6



#17

Carbon Disulfide

Concen: 1.305 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064688.D

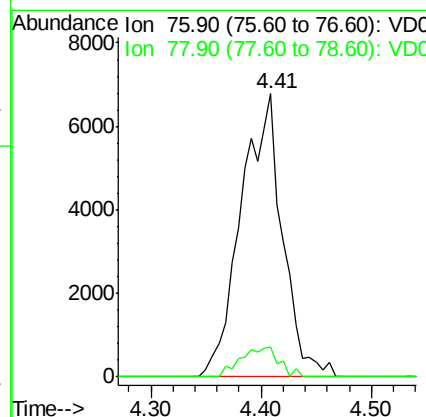
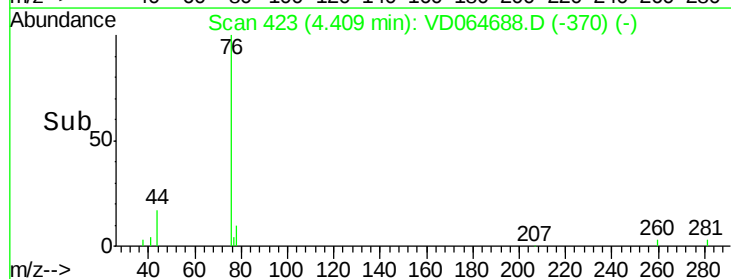
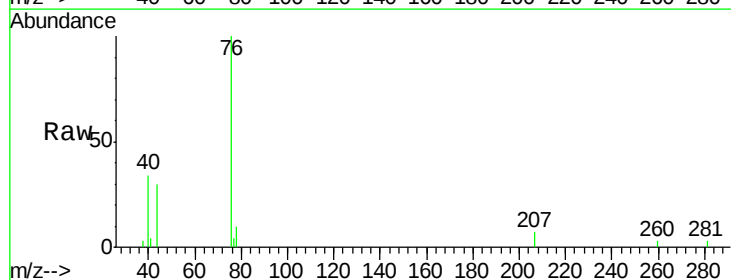
Acq: 31 Dec 2019 11:55

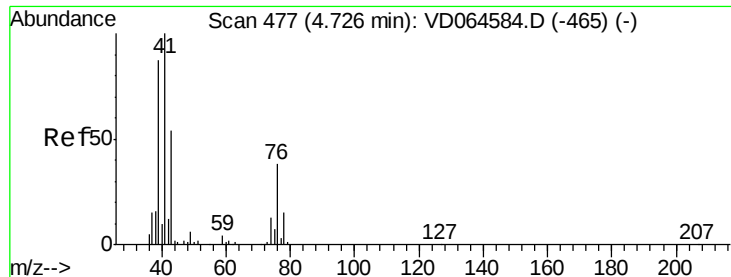
Tgt Ion: 76 Resp: 17840

Ion Ratio Lower Upper

76 100

78 10.5 7.3 10.9

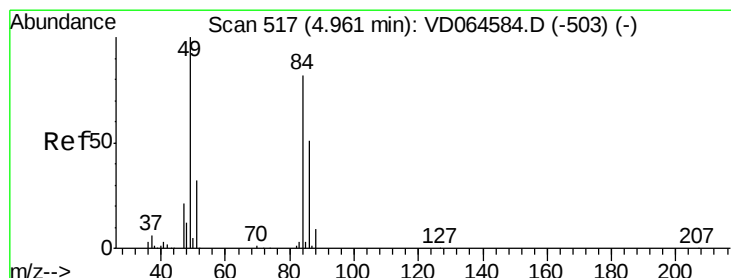
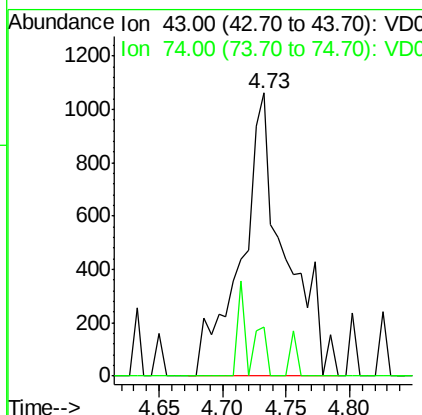
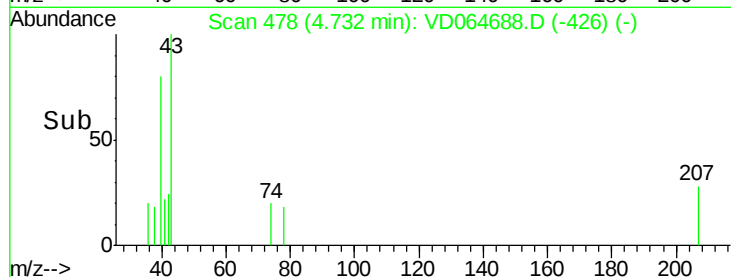
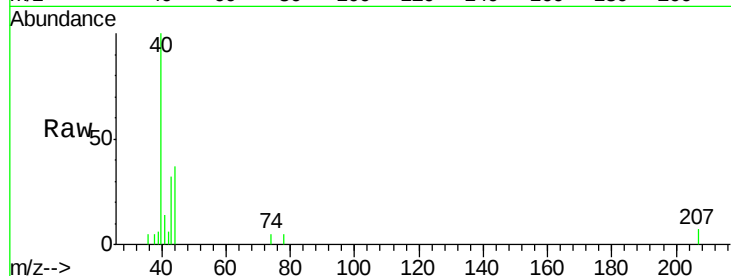




#18
Methyl Acetate
Concen: 1.070 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

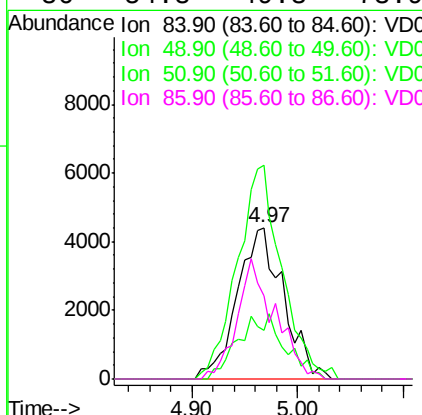
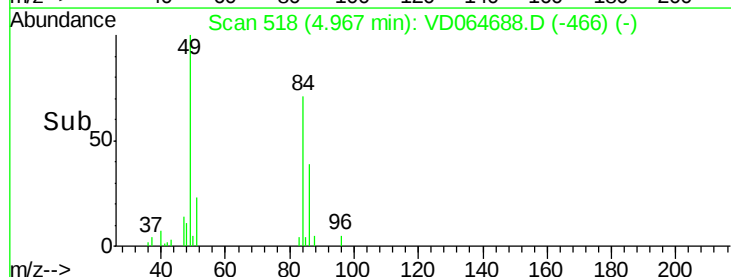
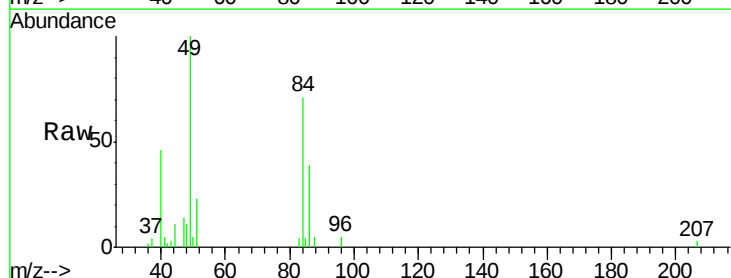
Instrument :
MSVOA_D
ClientSampleId :
WP022SB446_191226-FD-30-32RE

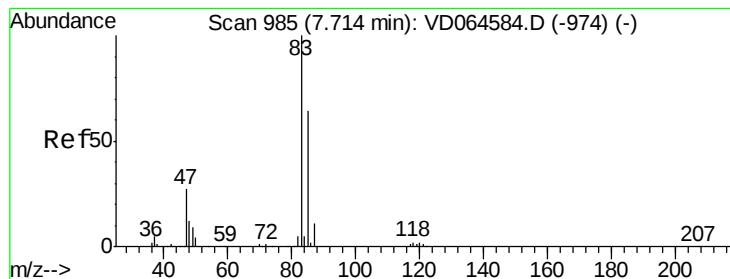
Tgt Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
74 9.8 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

Tgt Ion: 84 Resp: 13308
Ion Ratio Lower Upper
84 100
49 141.1 97.2 145.8
51 31.8 31.4 47.0
86 54.8 49.3 73.9





#30

Chloroform

Concen: 1.570 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

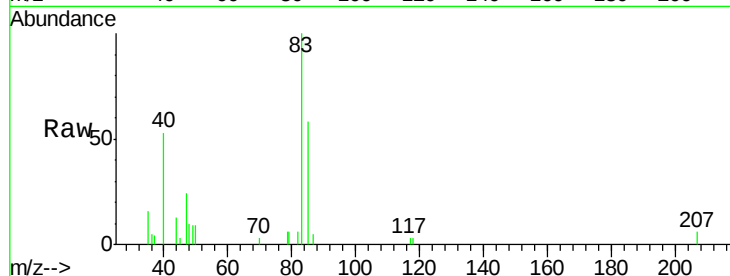
WP022SB446_191226-FD-30-32RE

Tgt Ion: 83 Resp: 13006

Ion Ratio Lower Upper

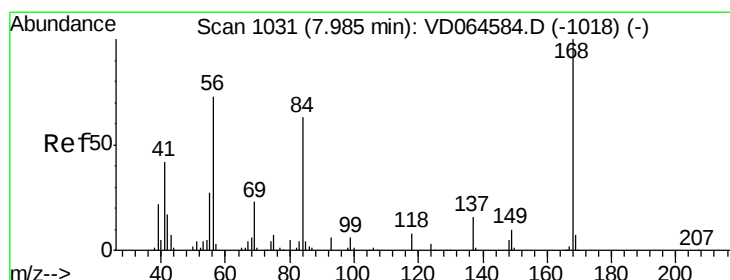
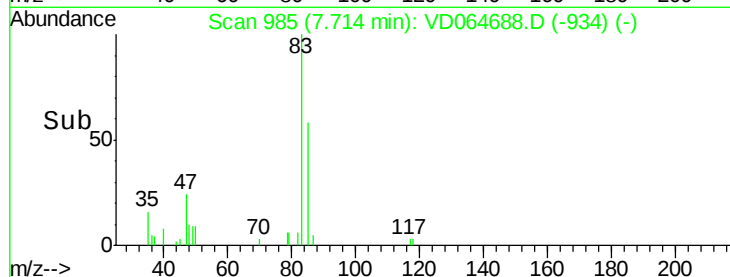
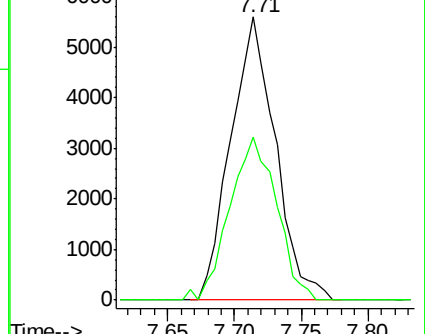
83 100

85 57.8 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC



#31

Cyclohexane

Concen: 1.598 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

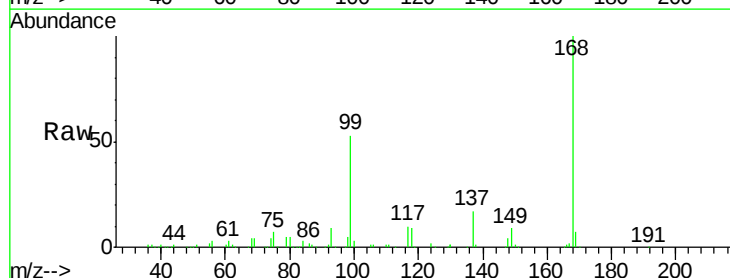
Tgt Ion: 56 Resp: 12628

Ion Ratio Lower Upper

56 100

69 121.4 24.7 37.1#

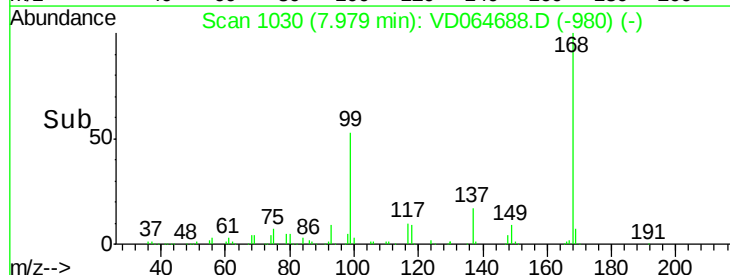
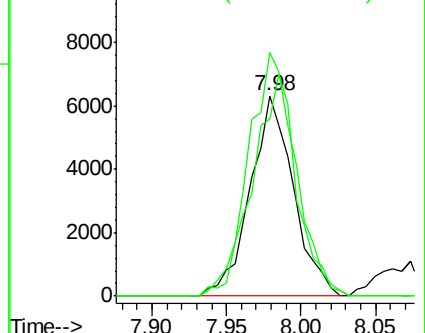
84 88.0 69.4 104.2

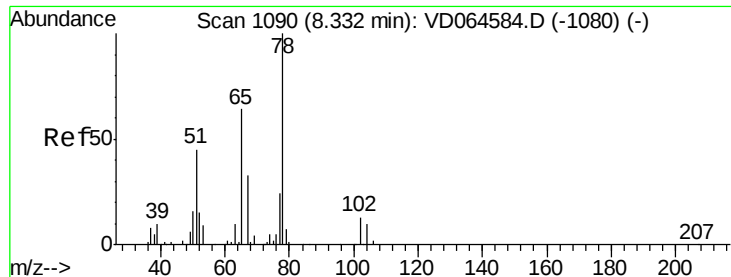


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.691 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

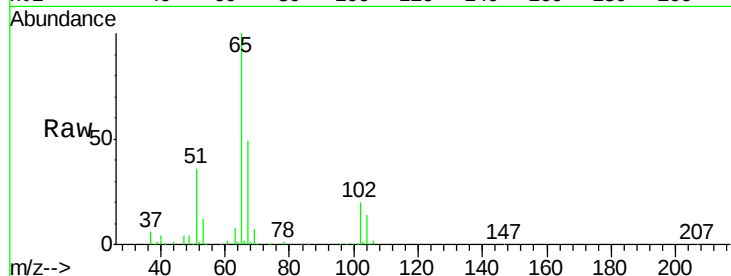
WP022SB446_191226-FD-30-32RE

Tgt Ion: 65 Resp: 202139

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

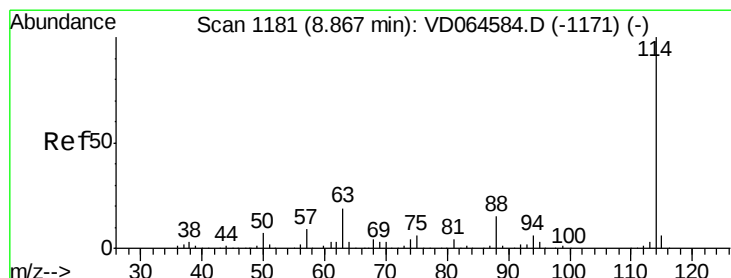
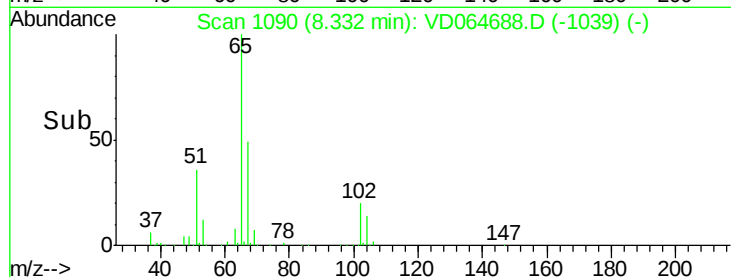
40000

20000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

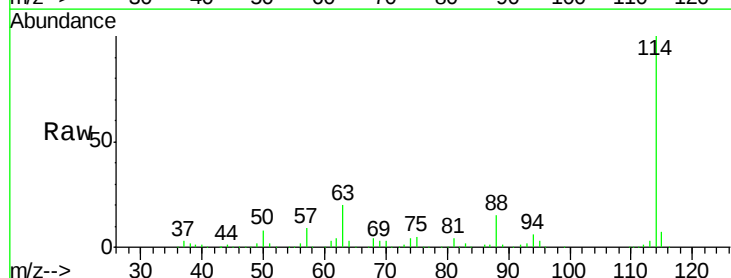
Tgt Ion: 114 Resp: 734902

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

88 14.6 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

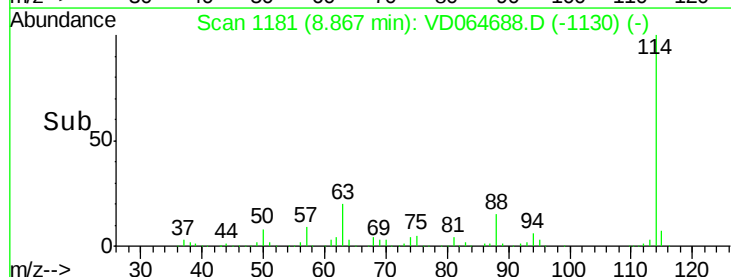
200000

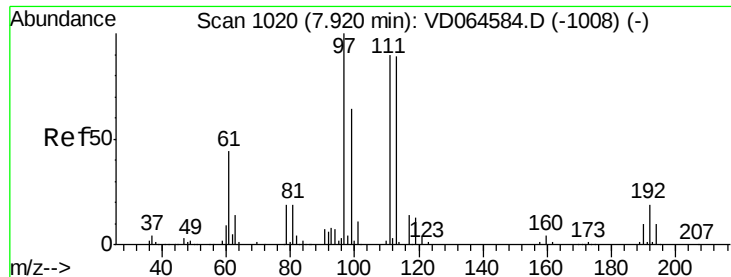
100000

0

8.80 8.90 9.00

Time-->

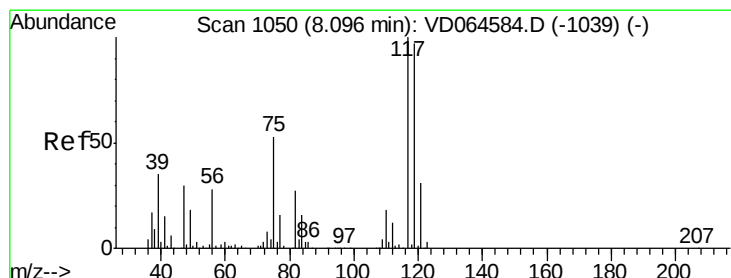
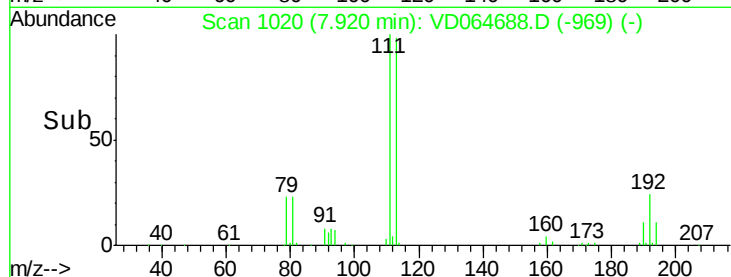
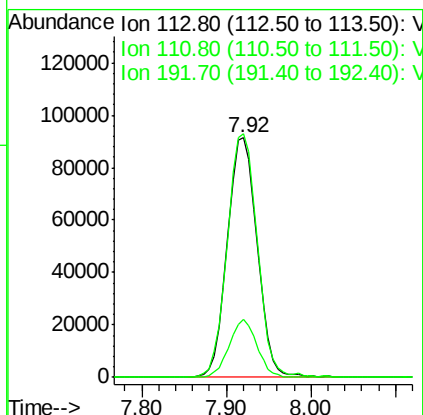
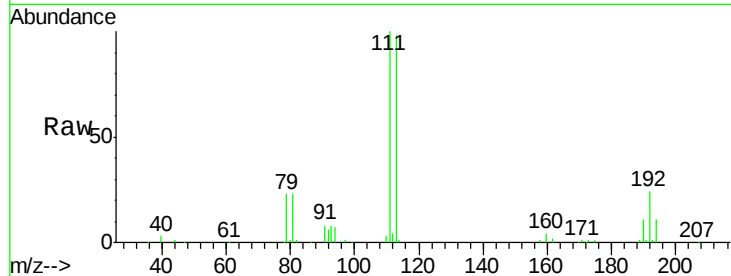




#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

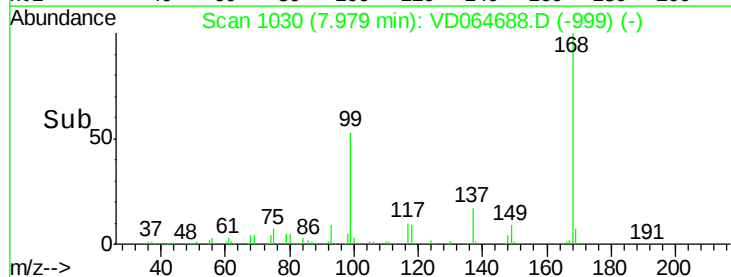
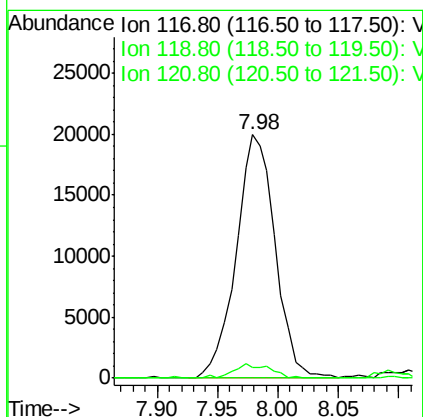
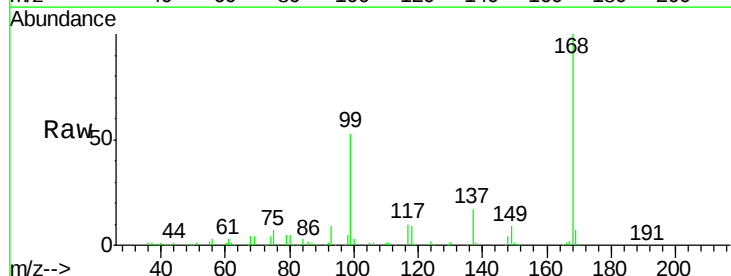
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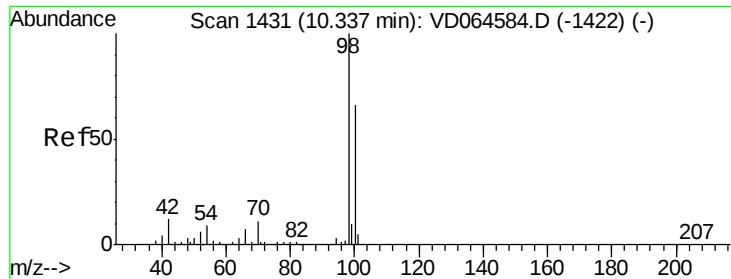
Tgt Ion:113 Resp: 222287
Ion Ratio Lower Upper
113 100
111 102.4 80.6 121.0
192 22.6 17.9 26.9



#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

Tgt Ion:117 Resp: 44748
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 25.0 37.6#

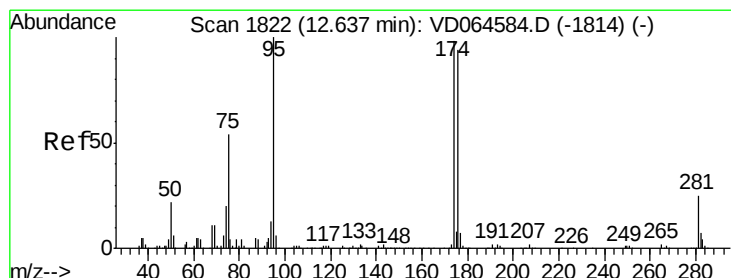
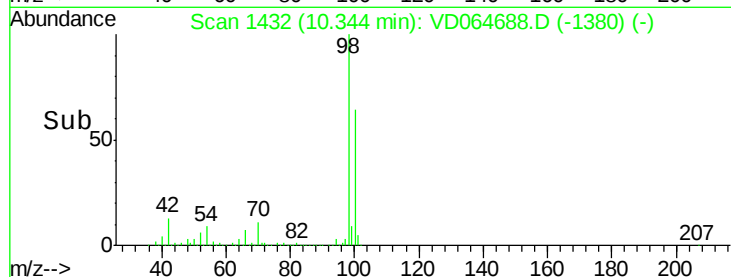
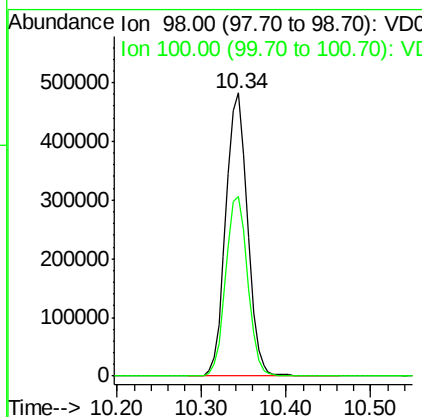
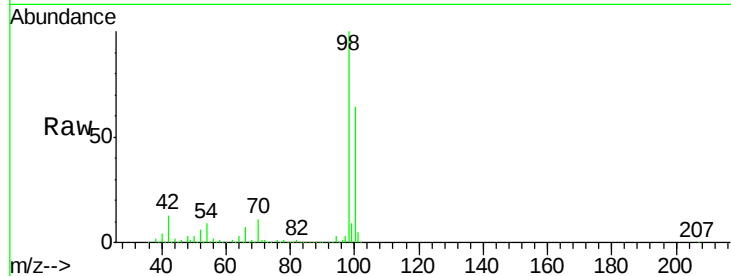




#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

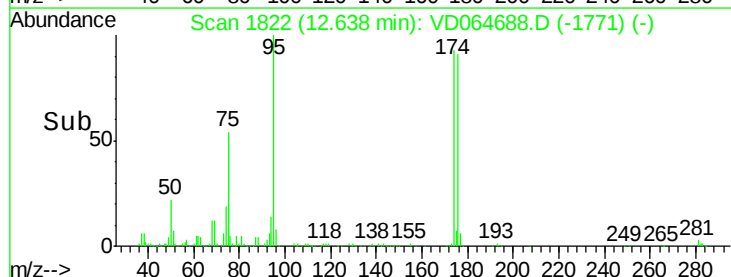
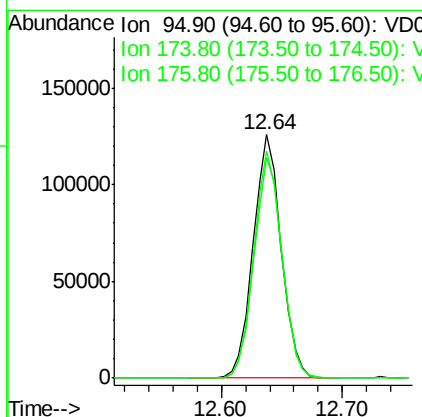
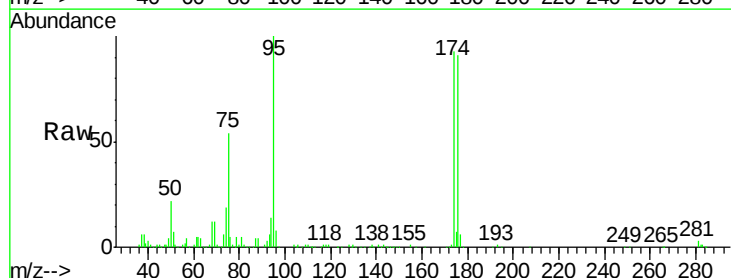
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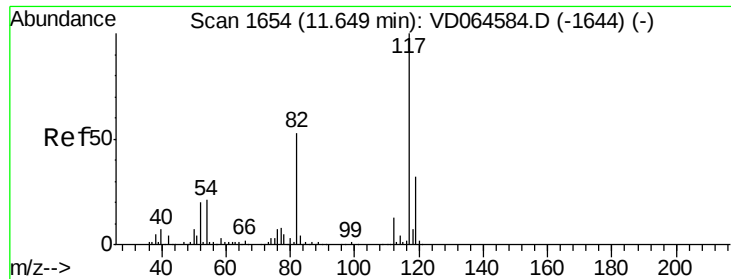
Tgt Ion: 98 Resp: 856054
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 37.158 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

Tgt Ion: 95 Resp: 202893
Ion Ratio Lower Upper
95 100
174 93.9 0.0 193.2
176 90.7 0.0 184.2

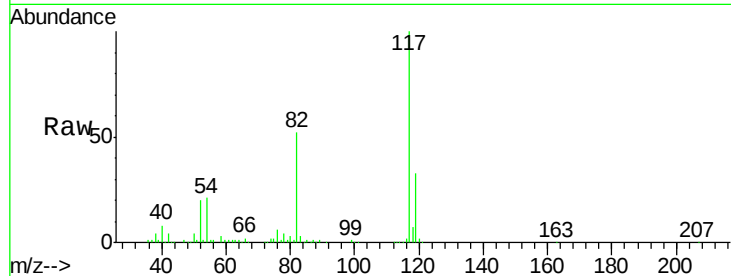




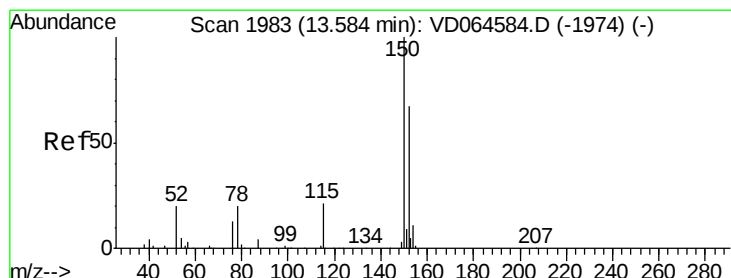
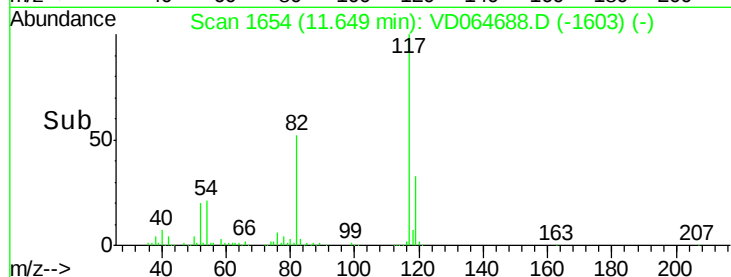
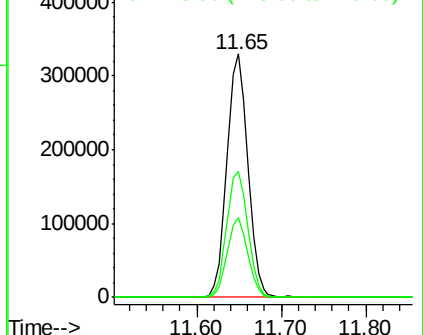
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
WP022SB446_191226-FD-30-32RE

Tgt Ion:117 Resp: 562737
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.4
119 32.6 26.0 39.0

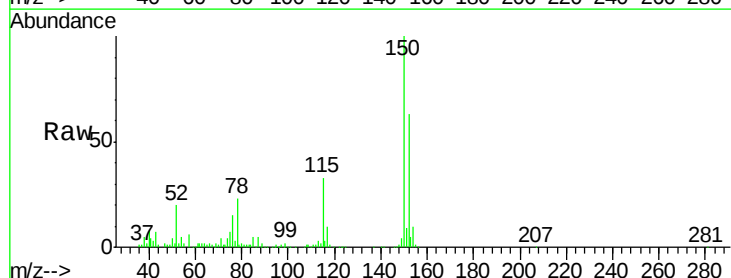


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

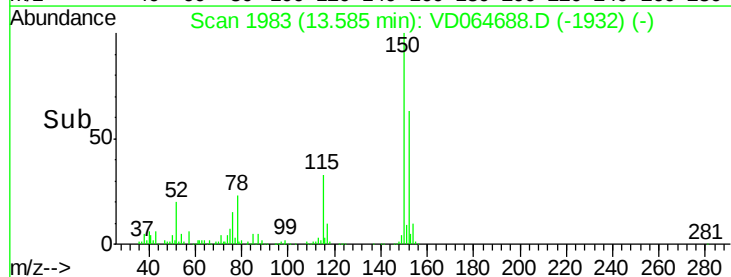
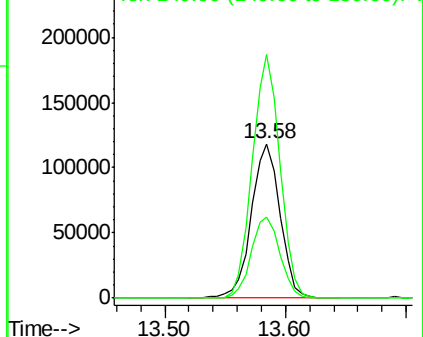


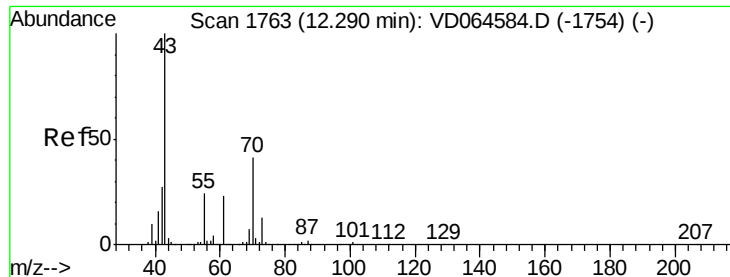
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064688.D
Acq: 31 Dec 2019 11:55

Tgt Ion:152 Resp: 197051
Ion Ratio Lower Upper
152 100
115 52.3 27.8 83.4
150 151.7 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





#74

N-amyI acetate

Concen: 1.246 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

WP022SB446_191226-FD-30-32RE

Tgt Ion: 43 Resp: 3752

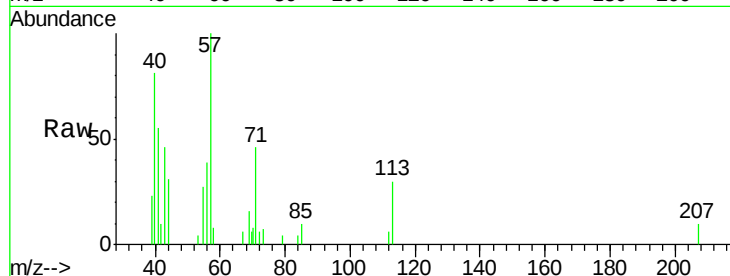
Ion Ratio Lower Upper

43 100

70 29.7 33.4 50.0#

55 57.9 19.4 29.0#

61 0.0 18.3 27.5#

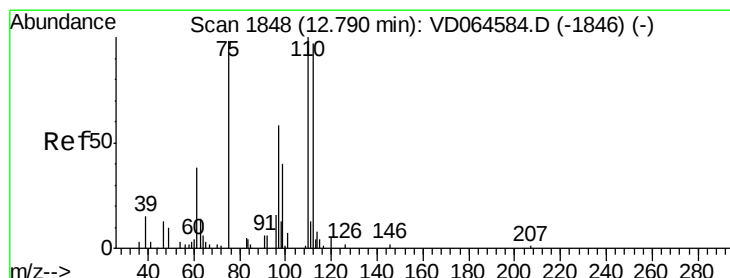
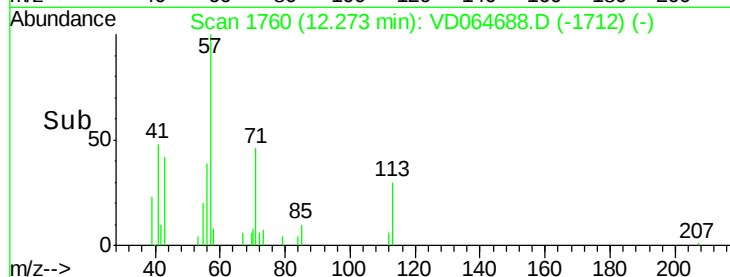
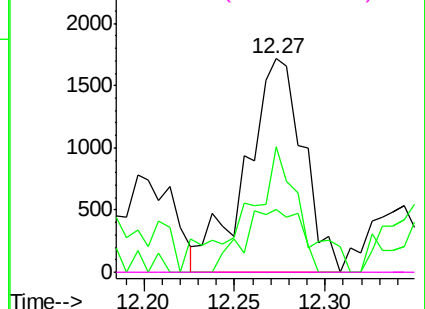


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 71.164 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064688.D

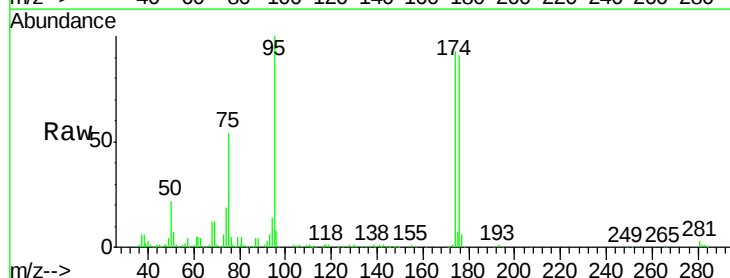
Acq: 31 Dec 2019 11:55

Tgt Ion: 75 Resp: 110734

Ion Ratio Lower Upper

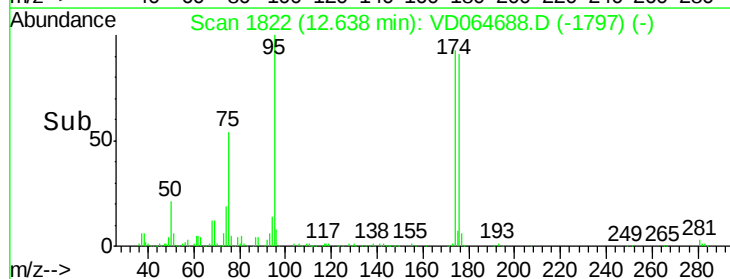
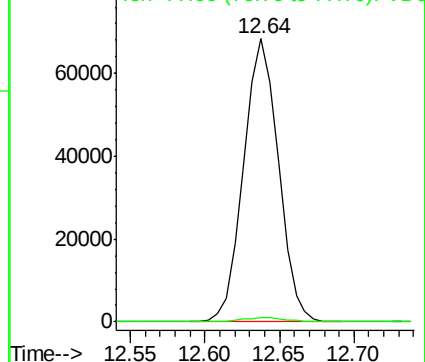
75 100

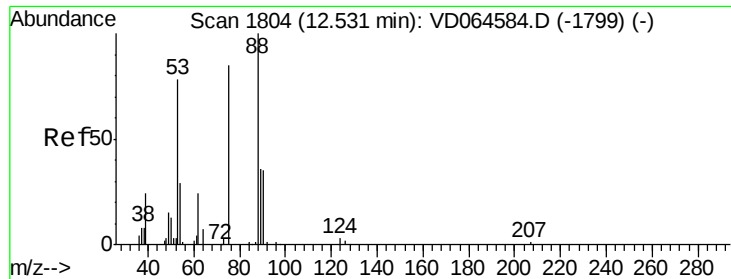
77 1.9 0.0 0.0#



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: 148.838 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064688.D

Acq: 31 Dec 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

WP022SB446_191226-FD-30-32RE

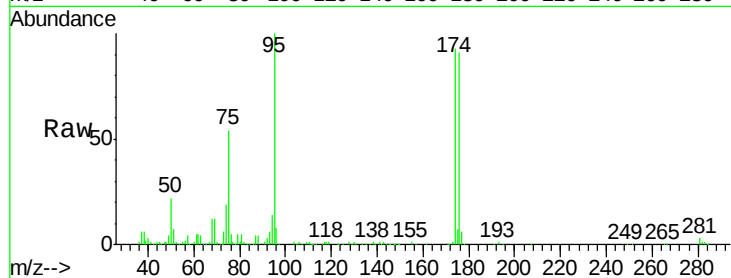
Tgt Ion: 75 Resp: 110734

Ion Ratio Lower Upper

75 100

53 1.1 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

