

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064653.D
 Acq On : 27 Dec 2019 19:12
 Operator : VA/SY
 Sample : K6450-02
 Misc : 8.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 30 01:01:07 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	420097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	621296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	460331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157261	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	184699	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	7.92	113	194176	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	10.34	98	709398	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.64	95	173266	37.53	ug/l	0.00
Spiked Amount			Recovery	=	75.06%	

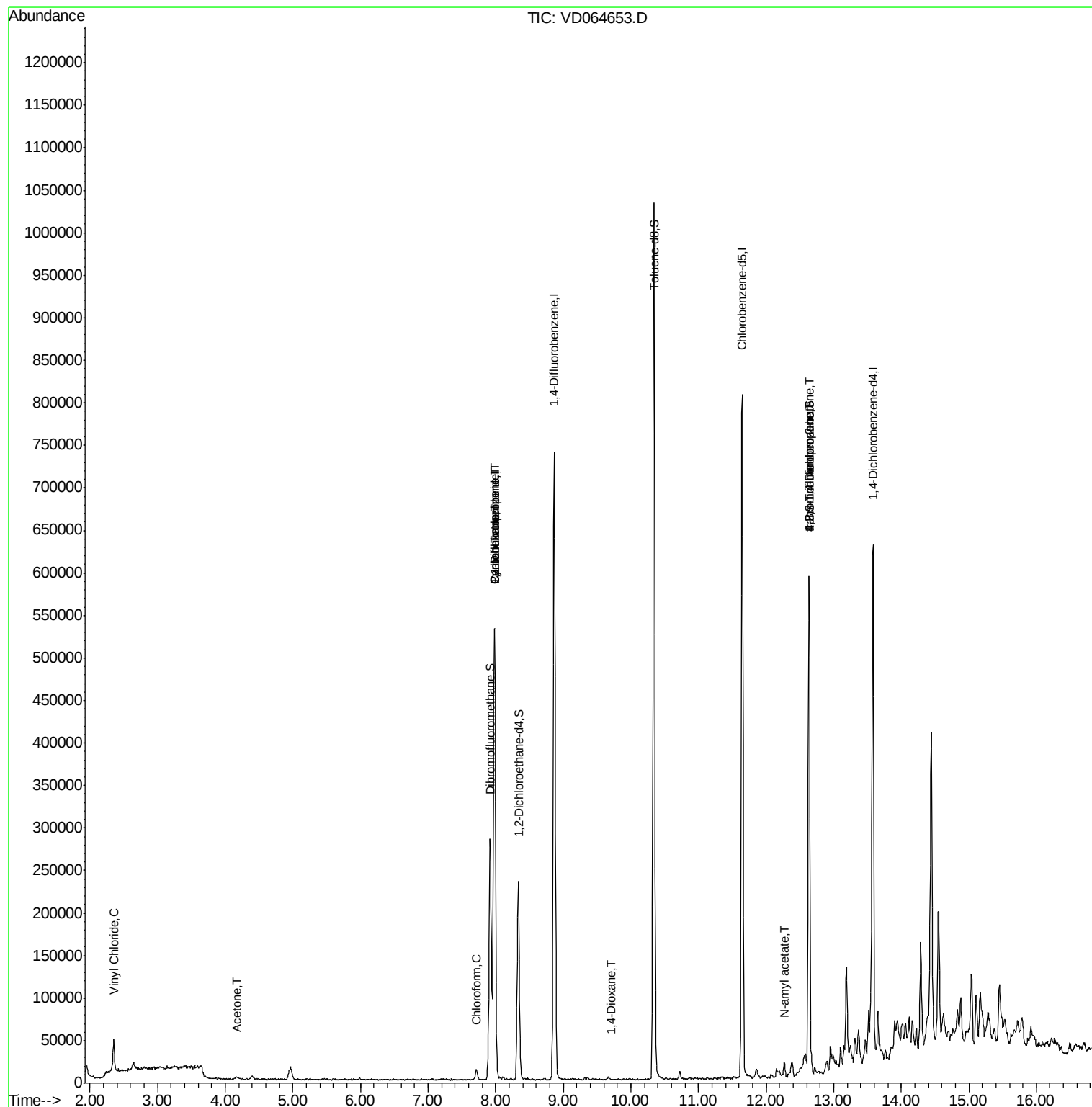
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	31738	5.701	ug/l	97
16) Acetone	4.17	43	4631	9.415	ug/l	91
20) Methylene Chloride	4.96	84	11282	Below Cal		95
30) Chloroform	7.71	83	9659	1.334	ug/l	99
31) Cyclohexane	7.98	56	9062	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30513	5.103	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39956	6.266	ug/l #	17
49) 1,4-Dioxane	9.71	88	68	2.714	ug/l #	1
74) N-amyl acetate	12.27	43	4171	1.736	ug/l #	66
76) 1,2,3-Trichloropropane	12.64	75	92591	74.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	92591	155.940	ug/l #	11

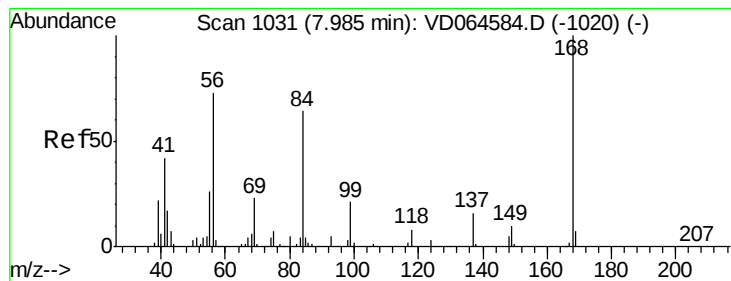
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
Data File : VD064653.D
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Quant Time: Dec 30 01:01:07 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# 1031

Delta R.T. 0.00 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

Instrument :

MSVOA_D

ClientSampleId :

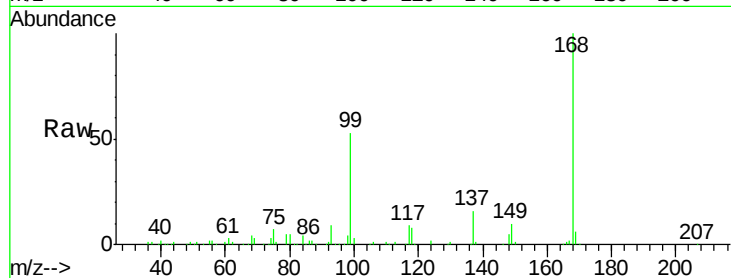
WP022SB446_191226-FD-30-32

Tgt Ion:168 Resp: 420097

Ion Ratio Lower Upper

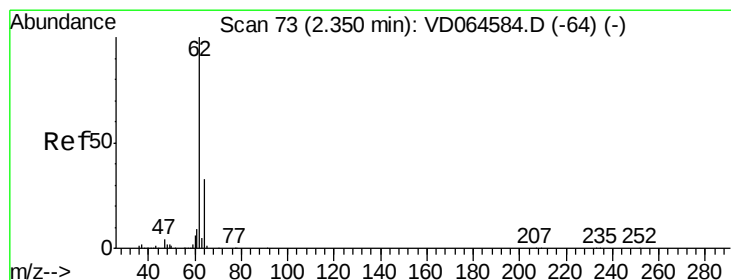
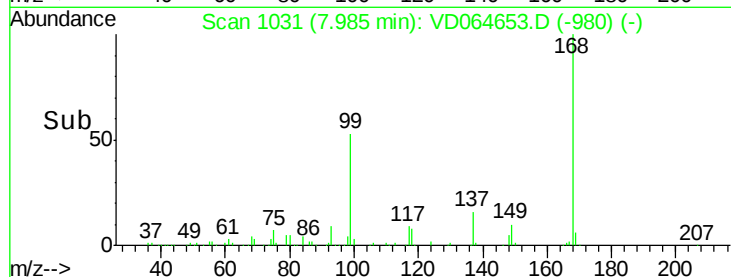
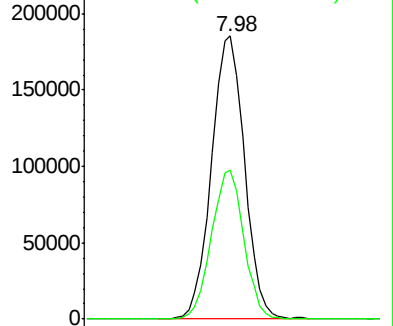
168 100

99 52.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#4

Vinyl Chloride

Concen: 5.701 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064653.D

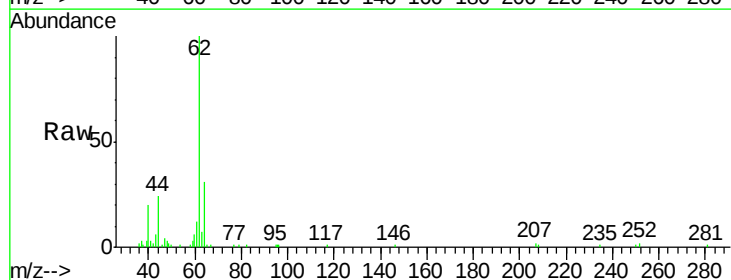
Acq: 27 Dec 2019 19:12

Tgt Ion: 62 Resp: 31738

Ion Ratio Lower Upper

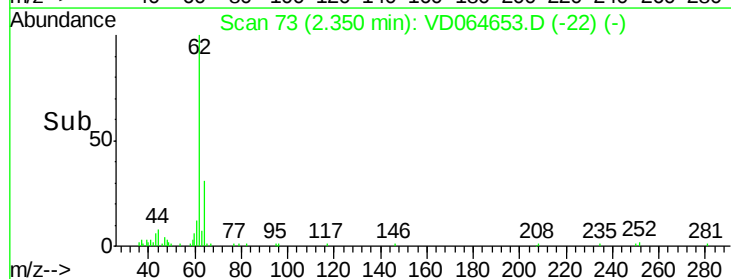
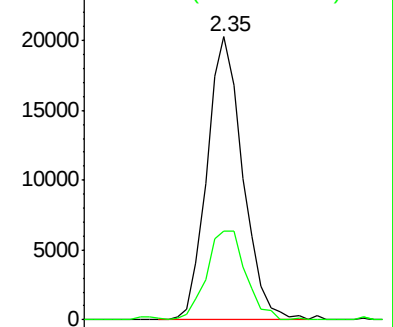
62 100

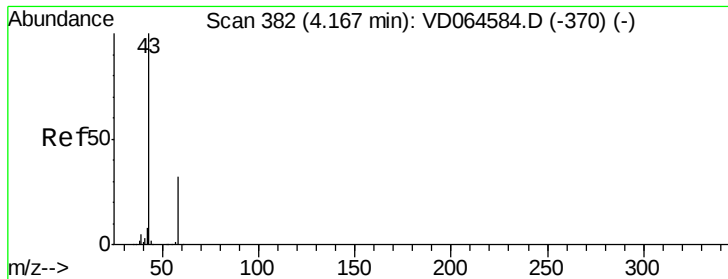
64 31.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#16

Acetone

Concen: 9.415 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

Instrument :

MSVOA_D

ClientSampleId :

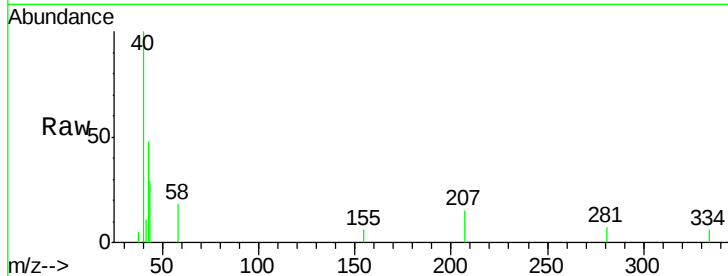
WP022SB446_191226-FD-30-32

Tgt Ion: 43 Resp: 4631

Ion Ratio Lower Upper

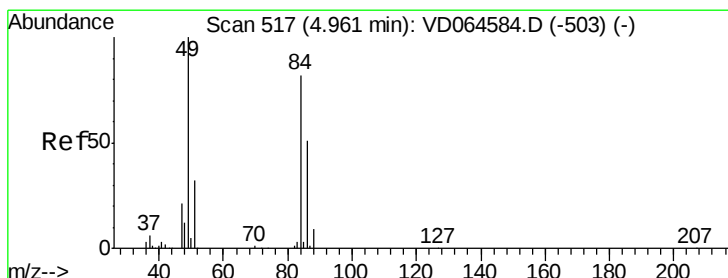
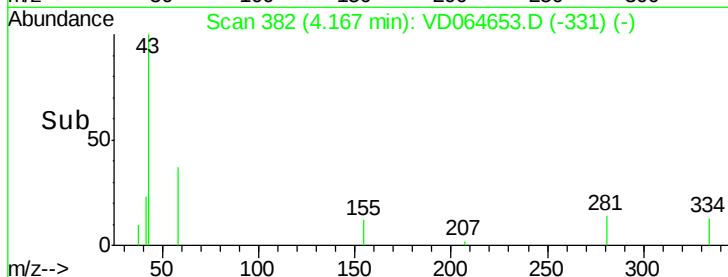
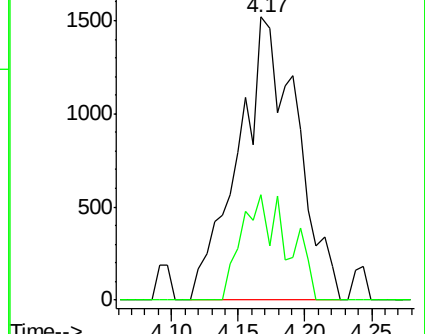
43 100

58 37.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

Tgt Ion: 84 Resp: 11282

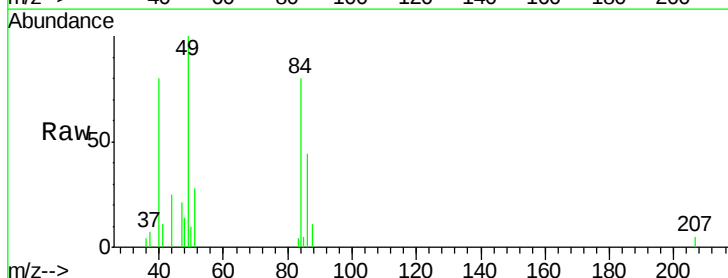
Ion Ratio Lower Upper

84 100

49 124.4 97.2 145.8

51 34.4 31.4 47.0

86 54.7 49.3 73.9

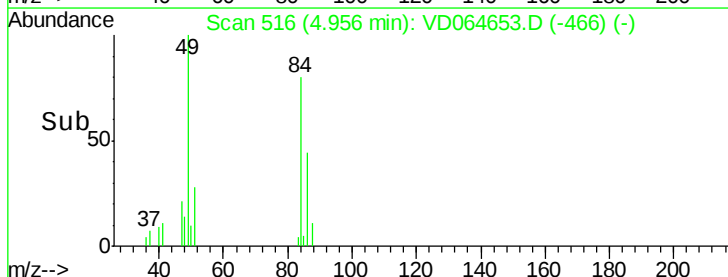
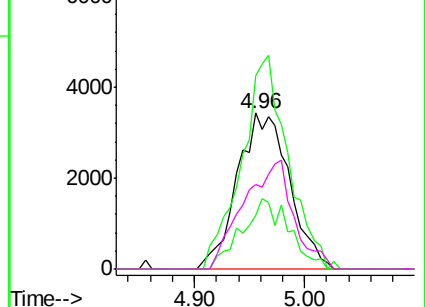


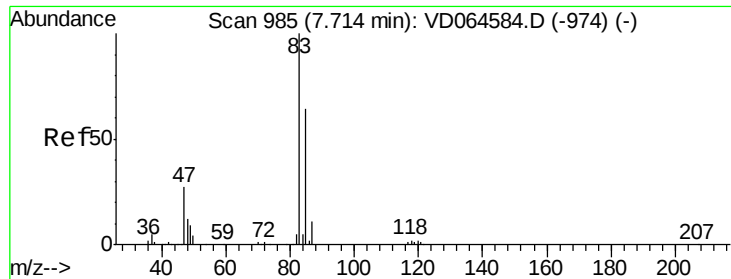
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

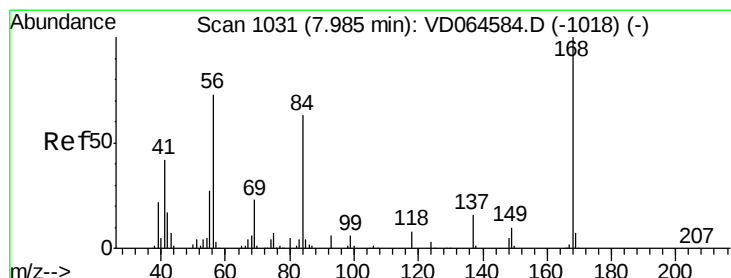
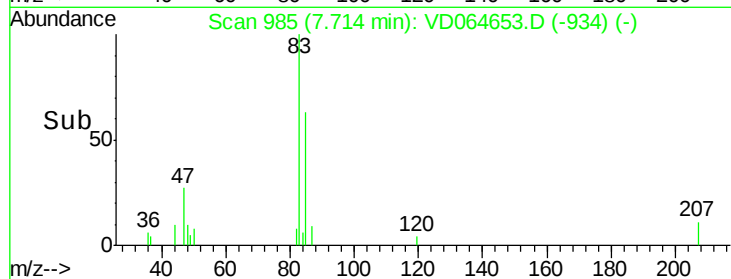
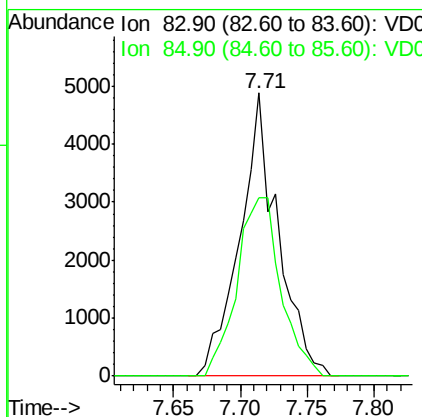
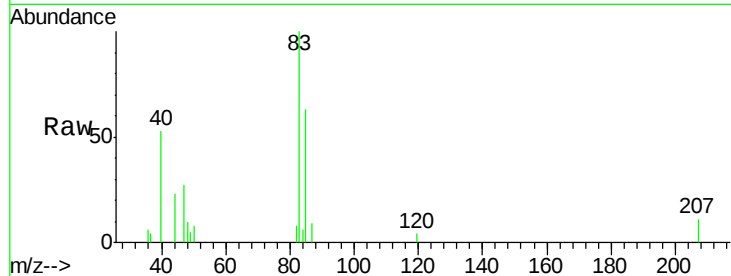




#30
Chloroform
Concen: 1.334 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064653.D
Acq: 27 Dec 2019 19:12

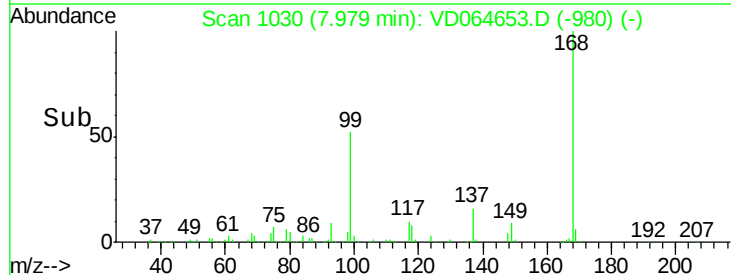
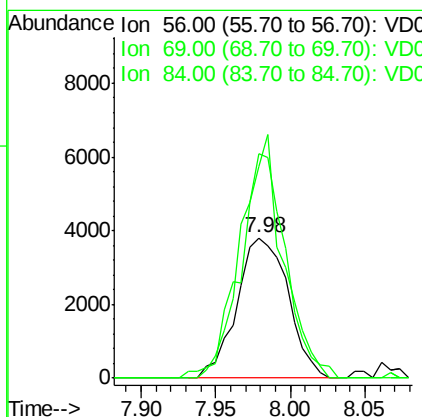
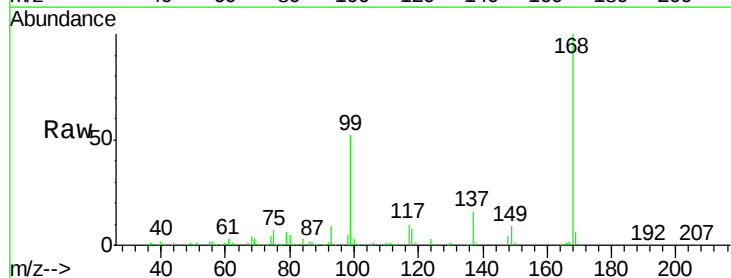
Instrument :
MSVOA_D
ClientSampleId :
WP022SB446_191226-FD-30-32

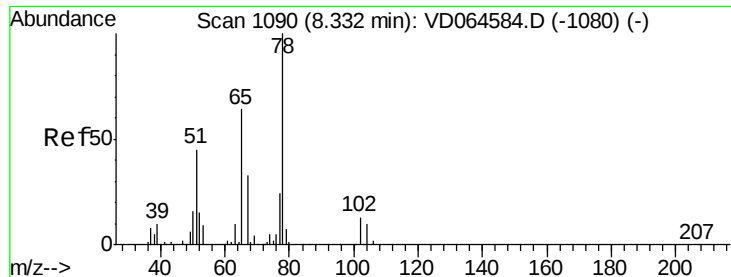
Tgt Ion: 83 Resp: 9659
Ion Ratio Lower Upper
83 100
85 62.9 51.1 76.7



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064653.D
Acq: 27 Dec 2019 19:12

Tgt Ion: 56 Resp: 9062
Ion Ratio Lower Upper
56 100
69 160.0 24.7 37.1#
84 150.9 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 49.860 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

Instrument :

MSVOA_D

ClientSampleId :

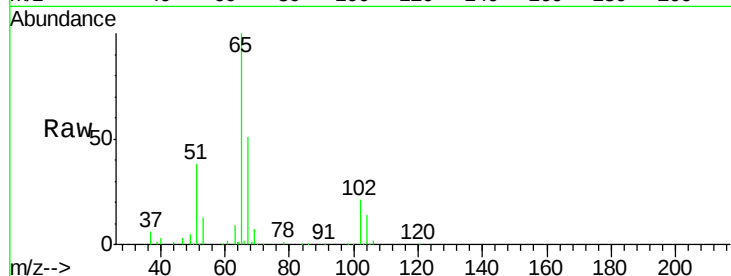
WP022SB446_191226-FD-30-32

Tgt Ion: 65 Resp: 184699

Ion Ratio Lower Upper

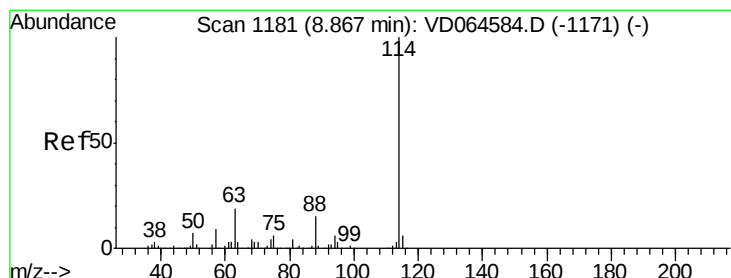
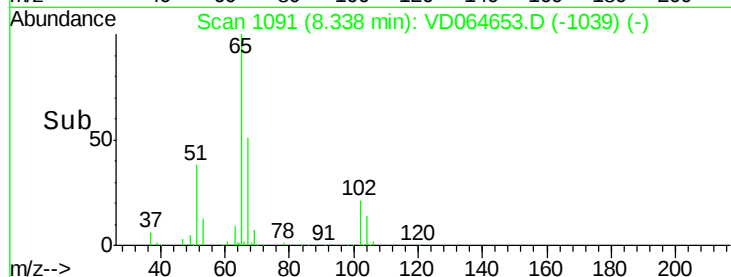
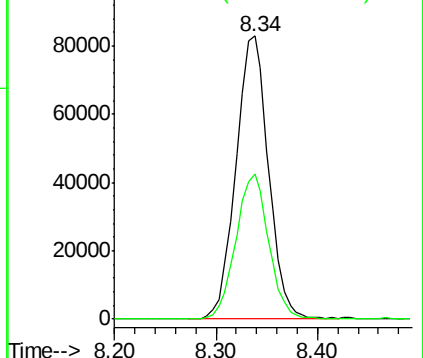
65 100

67 51.7 0.0 106.2



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: VD064653.D

Acq: 27 Dec 2019 19:12

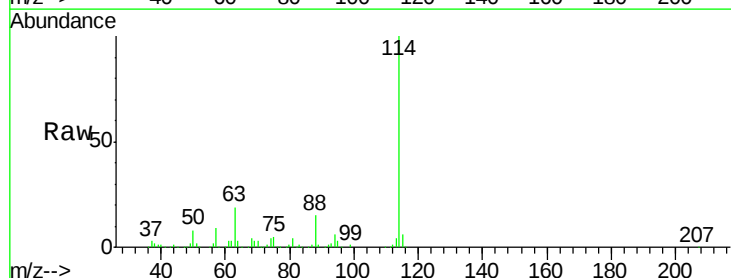
Tgt Ion: 114 Resp: 621296

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

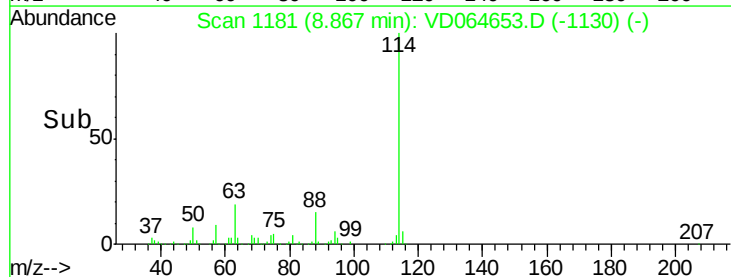
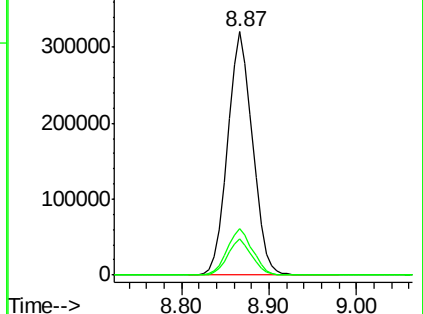
88 15.0 0.0 29.2

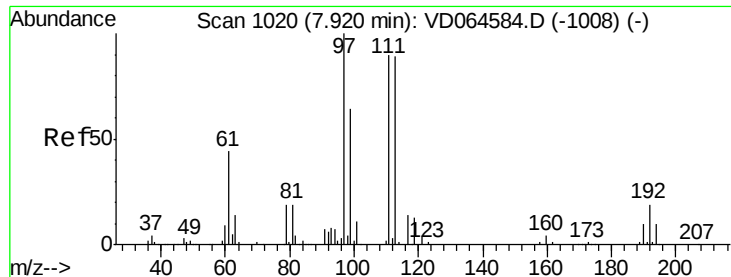


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

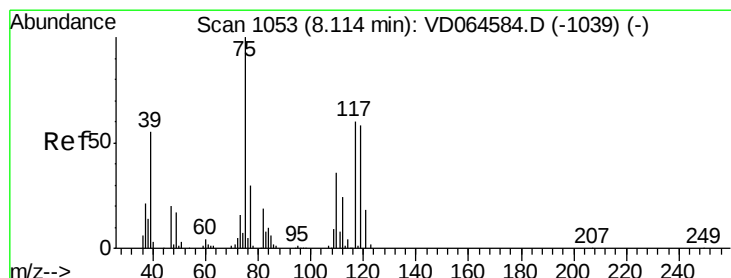
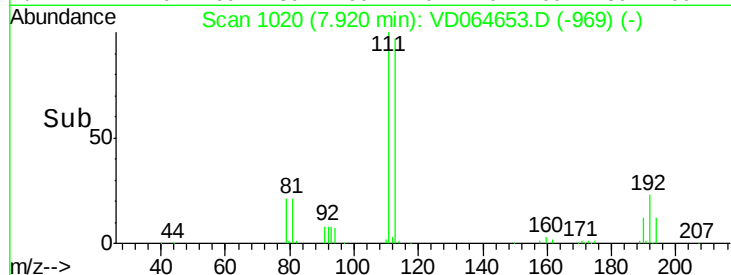
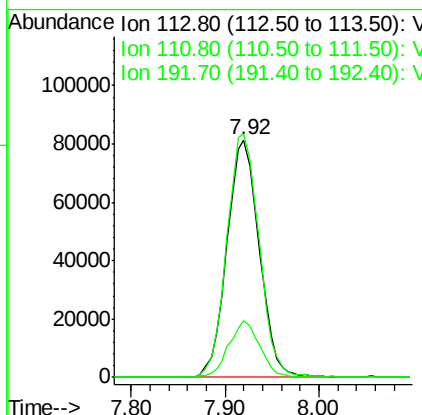
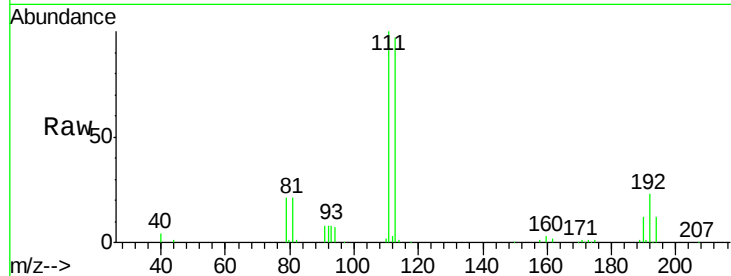




#35
 Dibromofluoromethane
 Concen: 50.941 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064653.D
 Acq: 27 Dec 2019 19:12

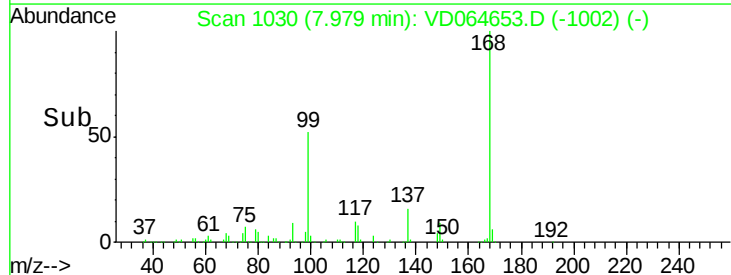
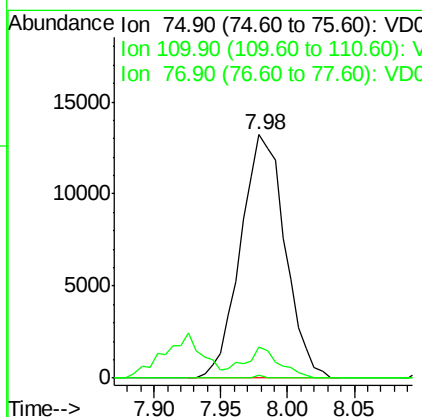
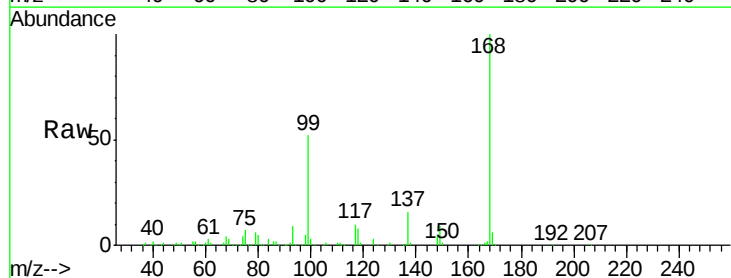
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 WP022SB446_191226-FD-30-32

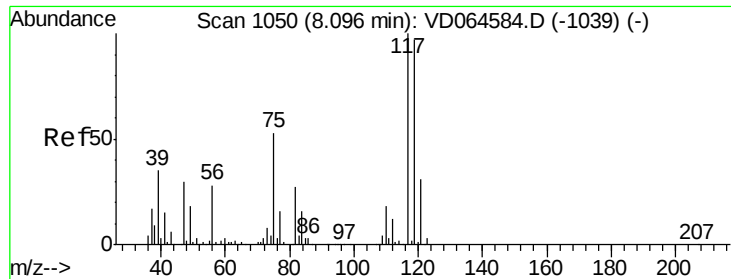
Tgt Ion:113 Resp: 194176
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.6 121.0
 192 22.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064653.D
 Acq: 27 Dec 2019 19:12

Tgt Ion: 75 Resp: 30513
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.1 54.1#
 77 0.2 24.2 36.4#

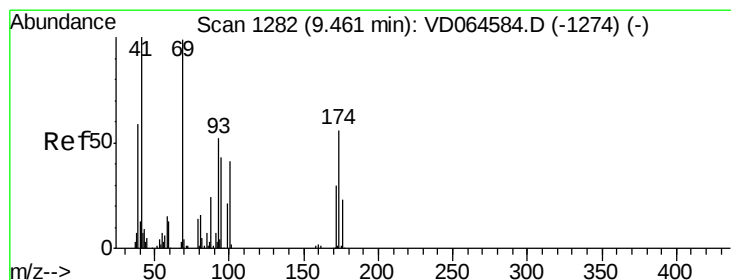
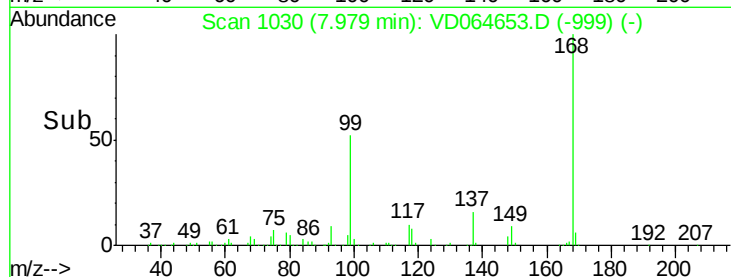
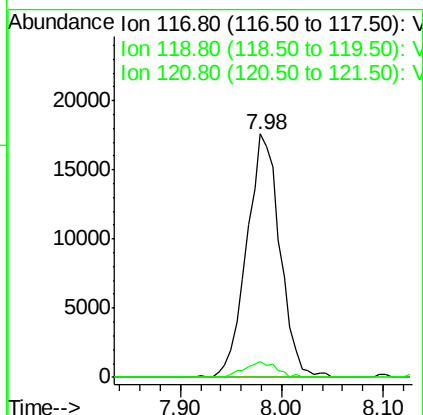
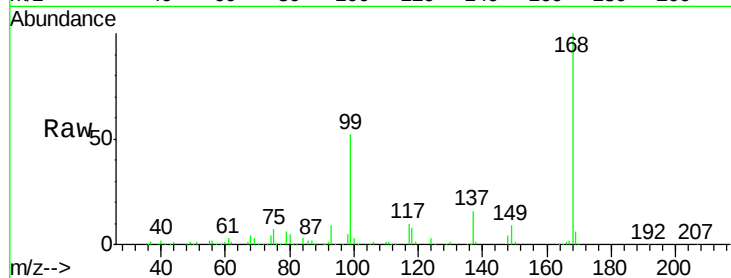




#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064653.D
Acq: 27 Dec 2019 19:12

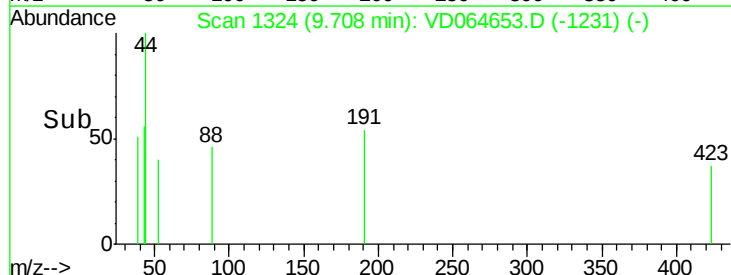
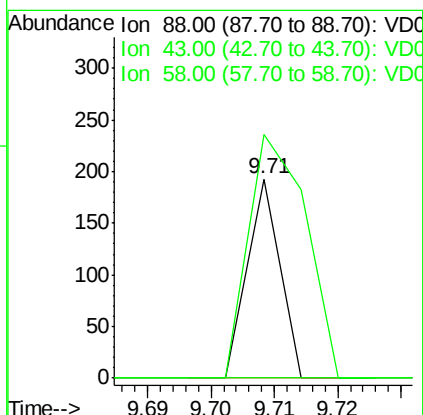
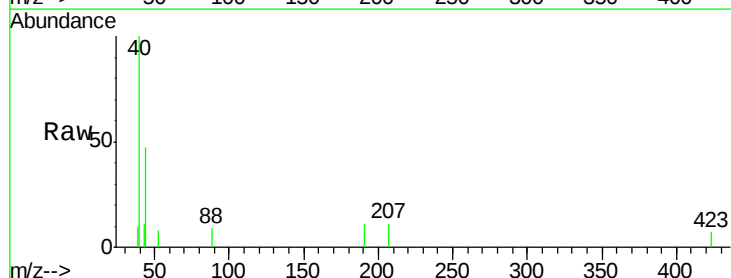
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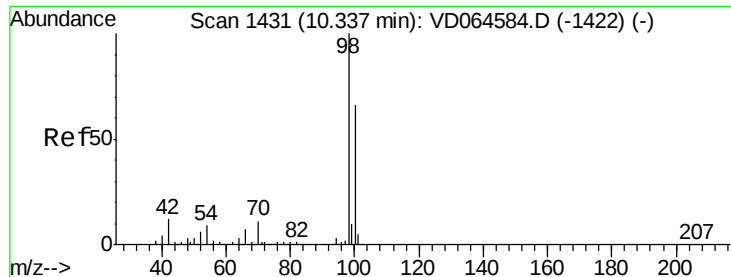
Tgt Ion: 117 Resp: 39956
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 2.714 ug/l
RT: 9.71 min Scan# 1324
Delta R.T. 0.25 min
Lab File: VD064653.D
Acq: 27 Dec 2019 19:12

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 217.6 27.7 41.5#
58 0.0 53.8 80.6#





#50

Toluene-d8

Concen: 48.593 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

Instrument :

MSVOA_D

ClientSampleId :

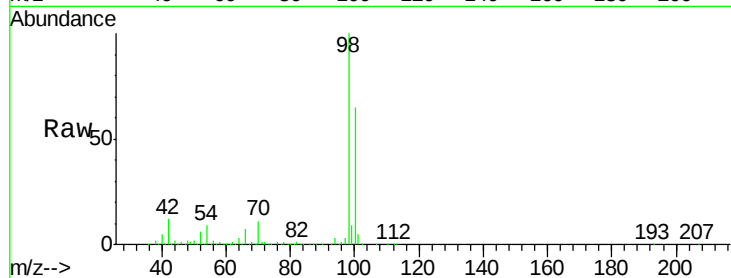
WP022SB446_191226-FD-30-32

Tgt Ion: 98 Resp: 709398

Ion Ratio Lower Upper

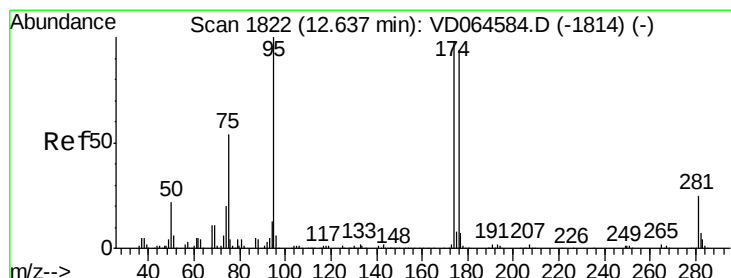
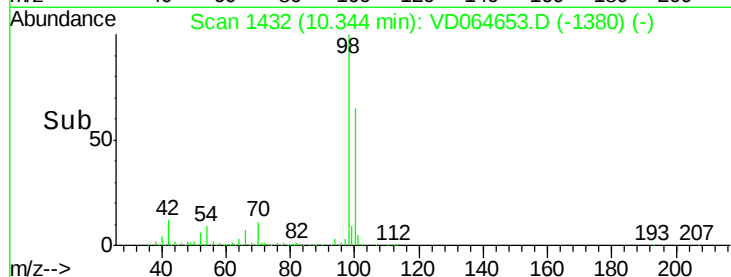
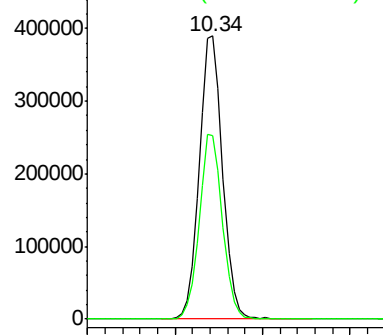
98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 37.534 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

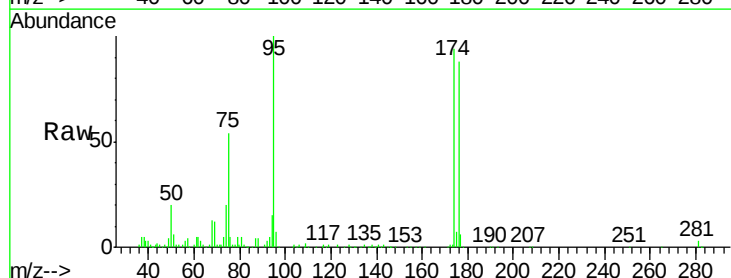
Tgt Ion: 95 Resp: 173266

Ion Ratio Lower Upper

95 100

174 93.0 0.0 193.2

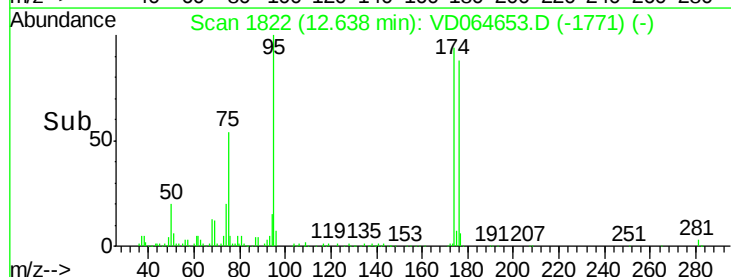
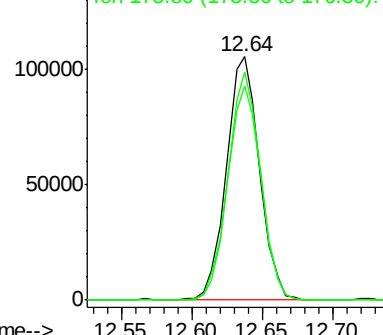
176 89.2 0.0 184.2

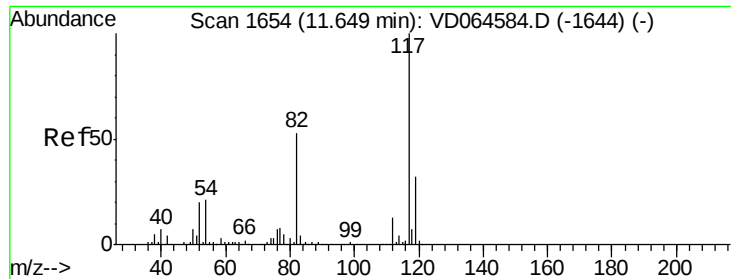


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

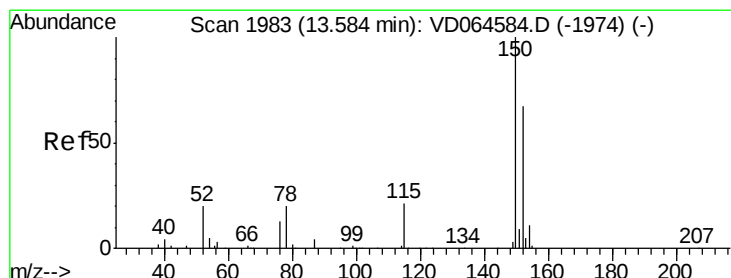
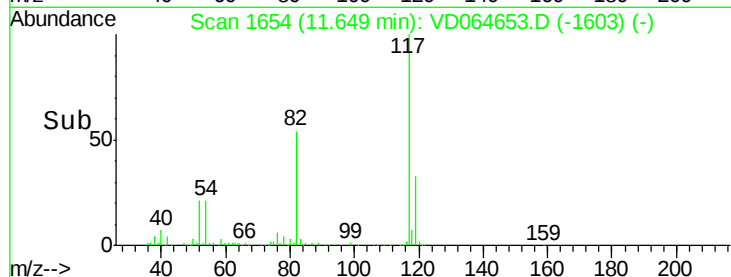
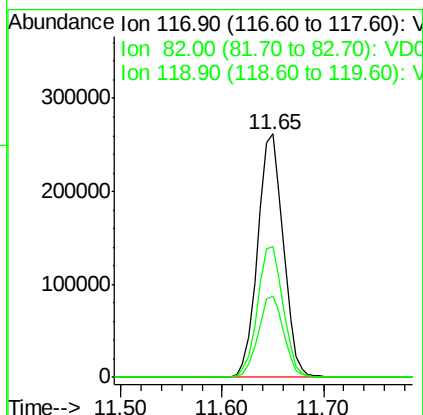
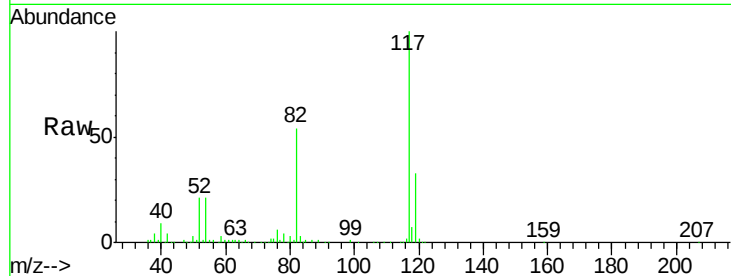




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064653.D
Acq: 27 Dec 2019 19:12

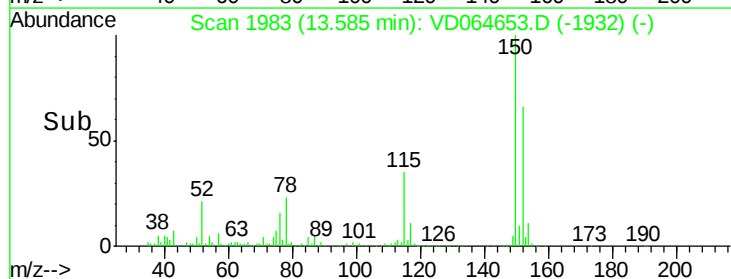
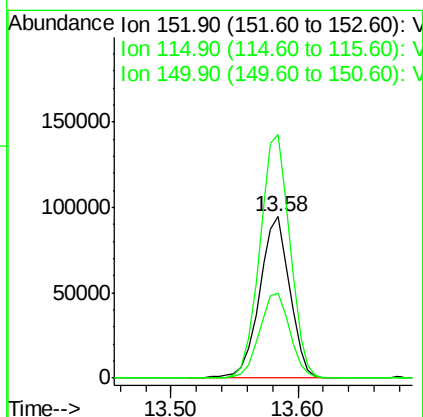
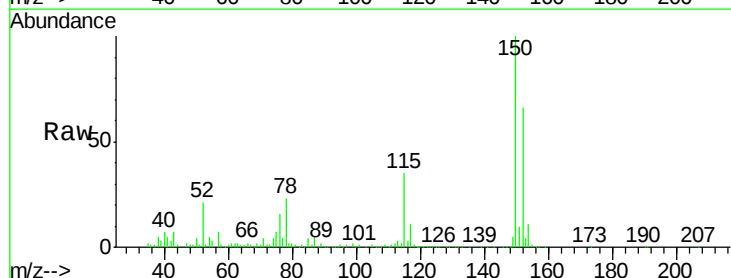
Instrument :
MSVOA_D
ClientSampleId :
WP022SB446_191226-FD-30-32

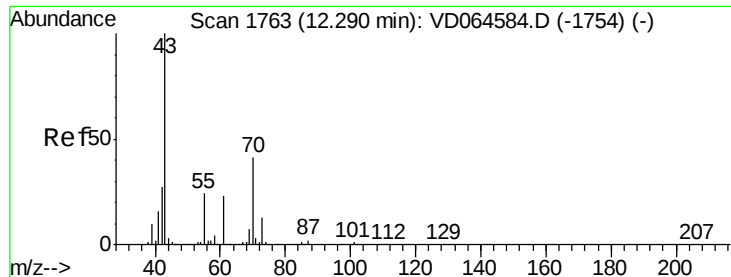
Tgt Ion:117 Resp: 460331
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 33.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064653.D
Acq: 27 Dec 2019 19:12

Tgt Ion:152 Resp: 157261
Ion Ratio Lower Upper
152 100
115 52.4 27.8 83.4
150 149.8 0.0 351.4





#74

N-amyI acetate

Concen: 1.736 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD064653.D

Acq: 27 Dec 2019 19:12

Instrument :

MSVOA_D

ClientSampleId :

WP022SB446_191226-FD-30-32

Tgt Ion: 43 Resp: 4171

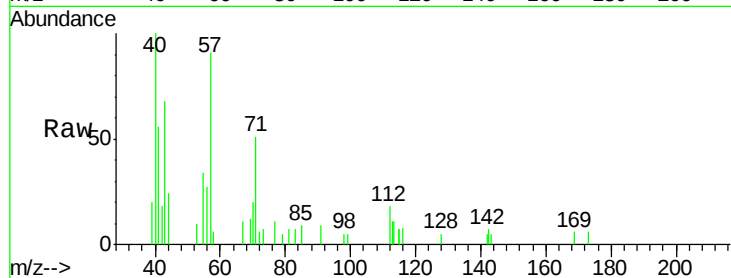
Ion Ratio Lower Upper

43 100

70 21.6 33.4 50.0#

55 37.4 19.4 29.0#

61 0.0 18.3 27.5#

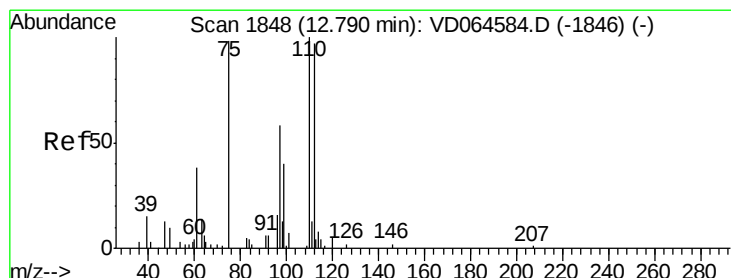
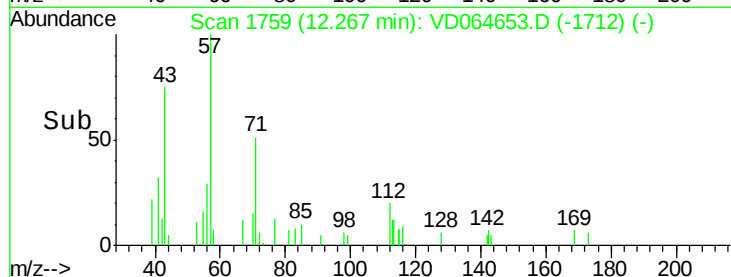
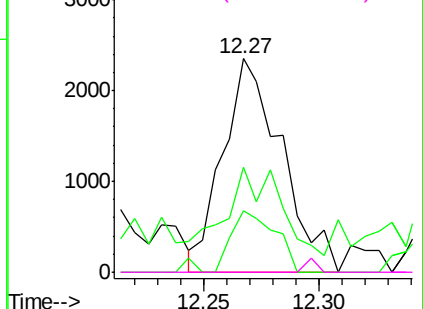


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 74.560 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064653.D

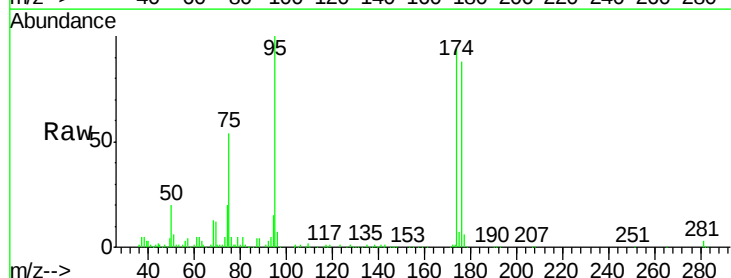
Acq: 27 Dec 2019 19:12

Tgt Ion: 75 Resp: 92591

Ion Ratio Lower Upper

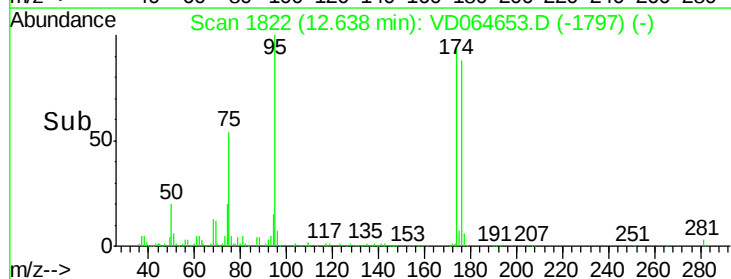
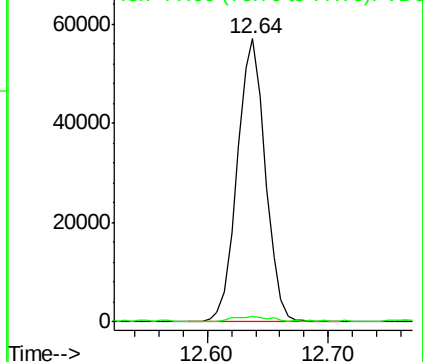
75 100

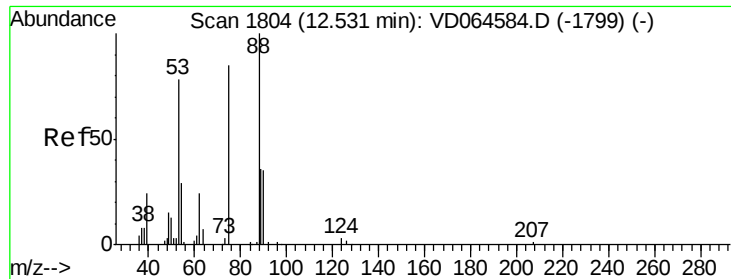
77 2.5 0.0 0.0#



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: 155.940 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064653.D

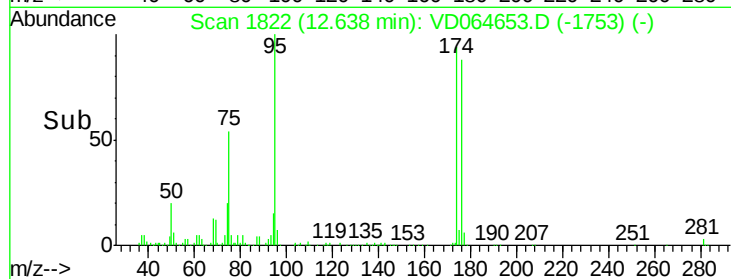
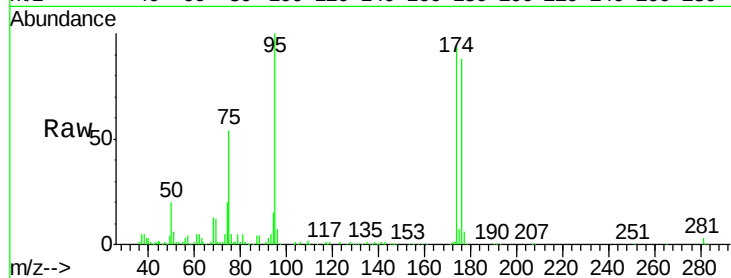
Acq: 27 Dec 2019 19:12

Instrument :

MSVOA_D

ClientSampleId :

WP022SB446_191226-FD-30-32



Tgt Ion:	75	Resp:	92591
Ion	Ratio	Lower	Upper
75	100		
53	1.2	78.8	118.2#
89	0.0	38.3	57.5#

