

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064654.D
 Acq On : 27 Dec 2019 19:41
 Operator : VA/SY
 Sample : K6450-03
 Misc : 9.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB448_191226-30-32

Quant Time: Dec 30 01:01:19 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	7.99	168	448830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	658838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	500124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171276	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	176051	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
35) Dibromofluoromethane	7.92	113	195511	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	10.34	98	746818	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.63	95	183734	37.53	ug/l	0.00
Spiked Amount			Recovery	=	75.06%	

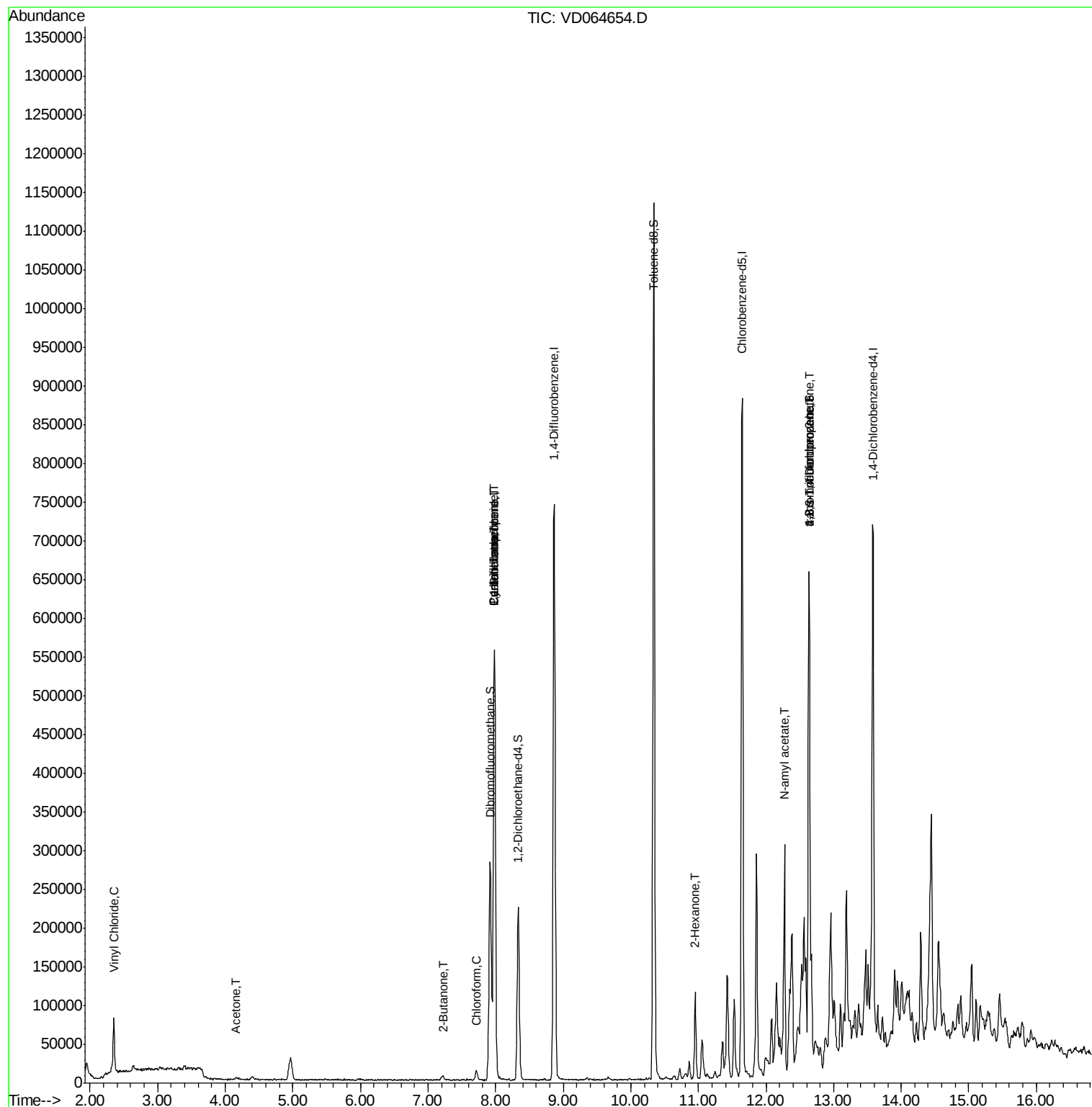
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	64486	10.842	ug/l	98
16) Acetone	4.16	43	5121	9.599	ug/l #	81
25) 2-Butanone	7.23	43	1561	1.435	ug/l #	49
30) Chloroform	7.71	83	10255	1.326	ug/l	88
31) Cyclohexane	7.98	56	10452	1.416	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	32276	5.090	ug/l #	50
38) Carbon Tetrachloride	7.99	117	41927	6.201	ug/l #	15
59) 2-Hexanone	10.95	43	40995	24.644	ug/l #	30
74) N-amyl acetate	12.27	43	62564	23.912	ug/l #	65
76) 1,2,3-Trichloropropane	12.64	75	99044	73.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	99044	153.159	ug/l #	11

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

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WP022SB448_191226-30-32

Quant Time: Dec 30 01:01:19 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064654.D

Acq: 27 Dec 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

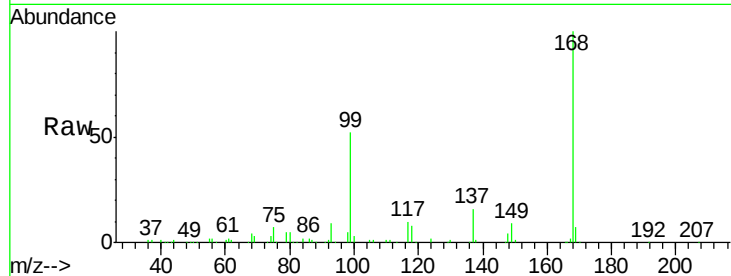
WP022SB448_191226-30-32

Tgt Ion:168 Resp: 448830

Ion Ratio Lower Upper

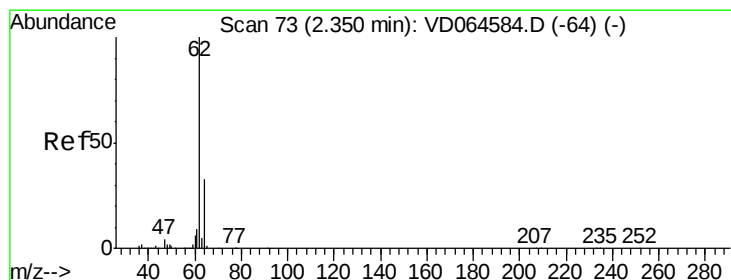
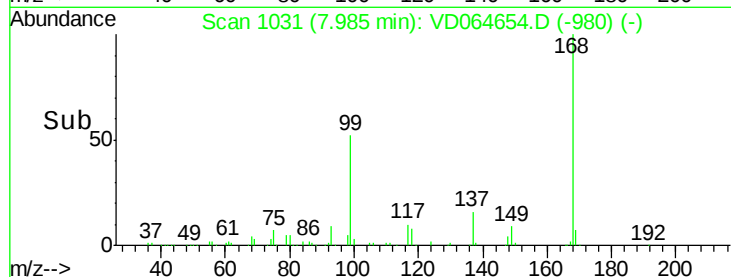
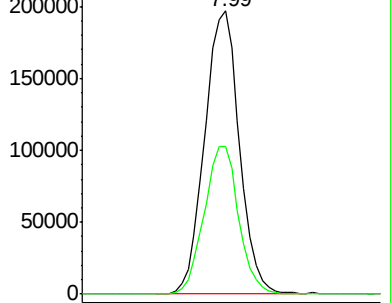
168 100

99 52.1 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: 10.842 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064654.D

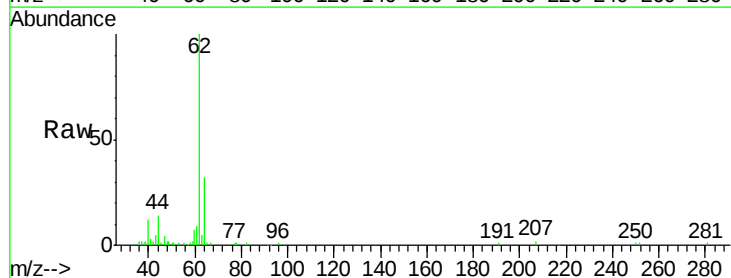
Acq: 27 Dec 2019 19:41

Tgt Ion: 62 Resp: 64486

Ion Ratio Lower Upper

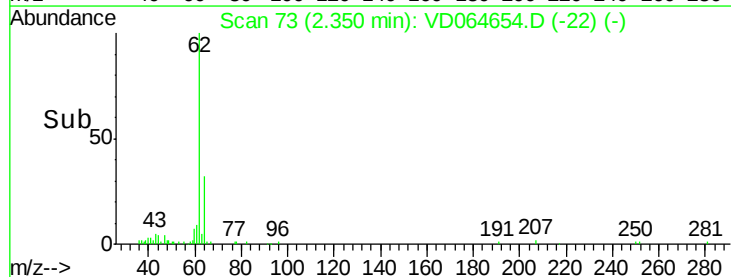
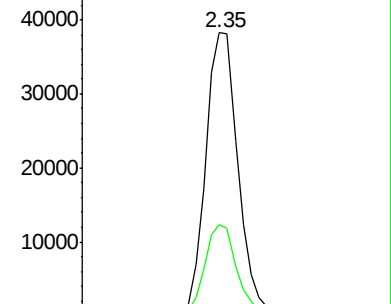
62 100

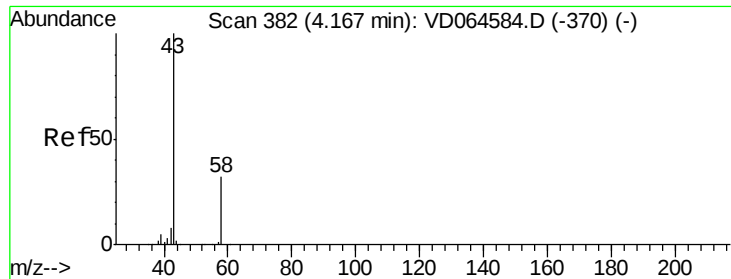
64 32.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#16

Acetone

Concen: 9.599 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064654.D

Acq: 27 Dec 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

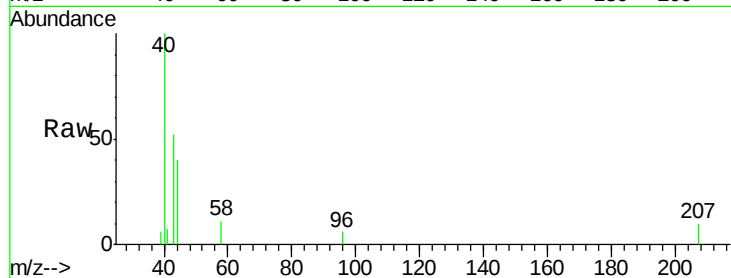
WP022SB448_191226-30-32

Tgt Ion: 43 Resp: 5121

Ion Ratio Lower Upper

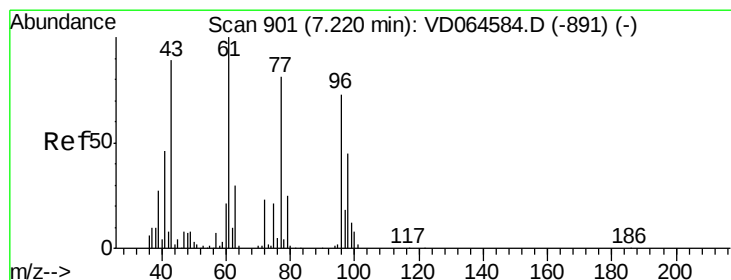
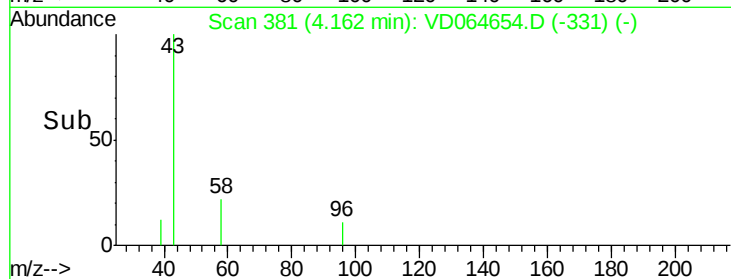
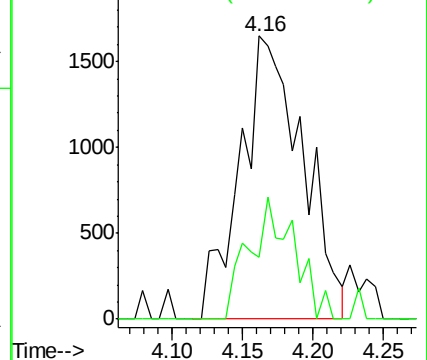
43 100

58 21.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 1.435 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064654.D

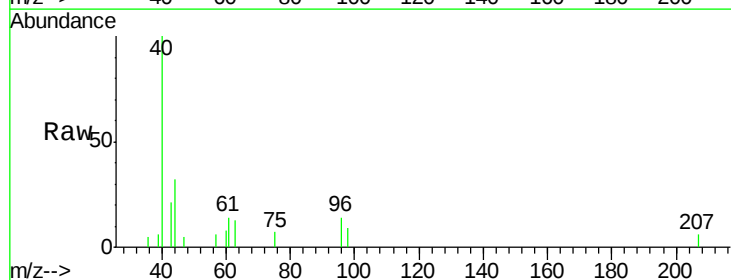
Acq: 27 Dec 2019 19:41

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

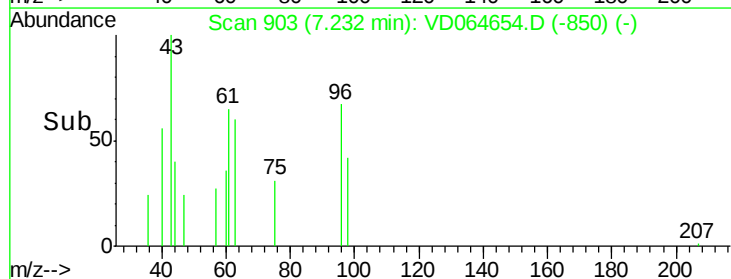
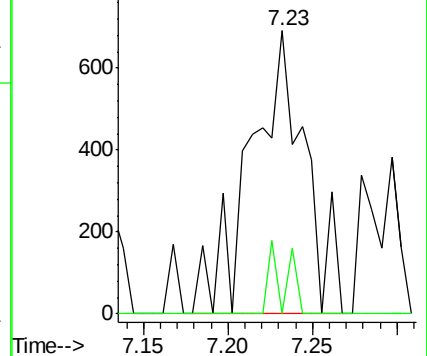
43 100

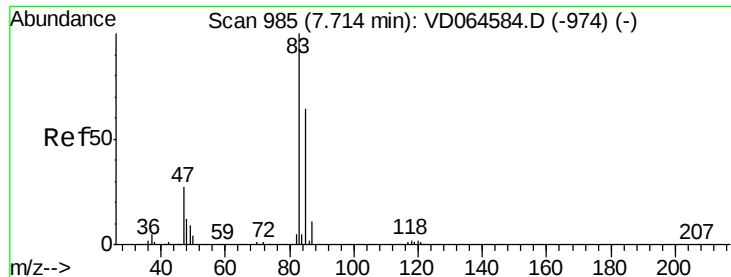
72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

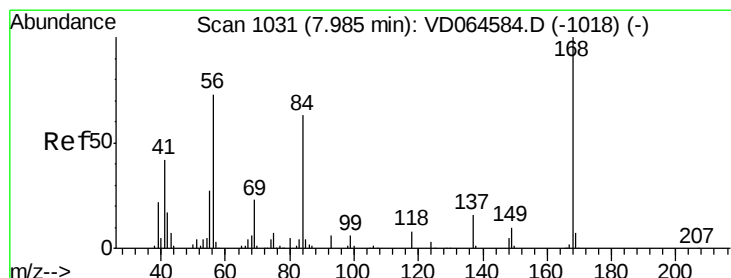
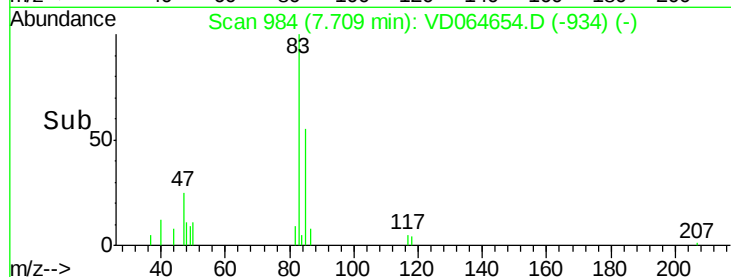
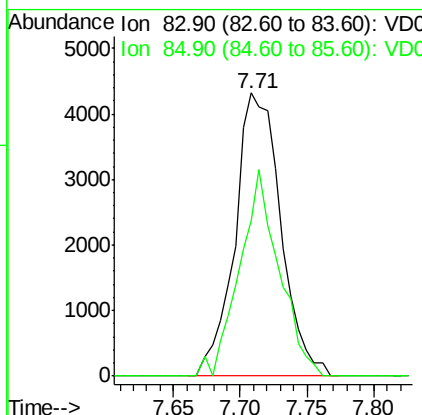
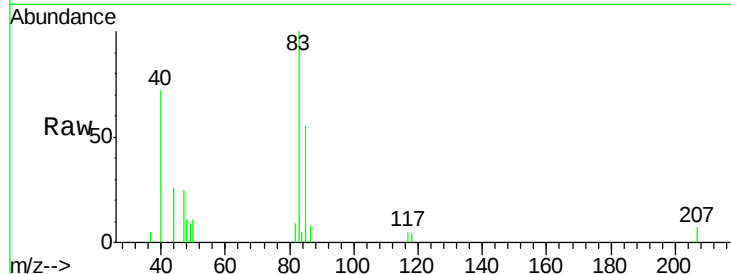




#30
Chloroform
Concen: 1.326 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064654.D
Acq: 27 Dec 2019 19:41

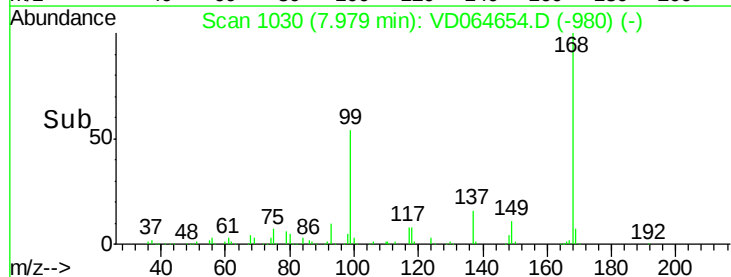
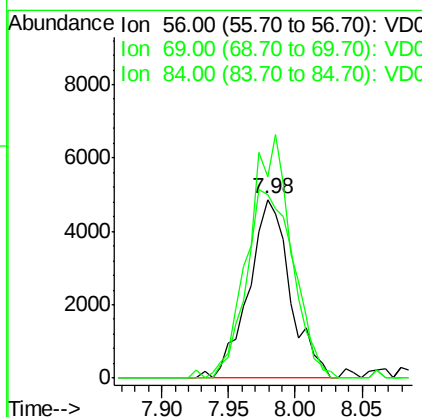
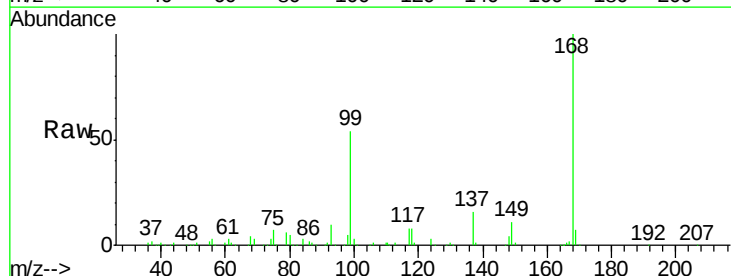
Instrument :
MSVOA_D
ClientSampleId :
WP022SB448_191226-30-32

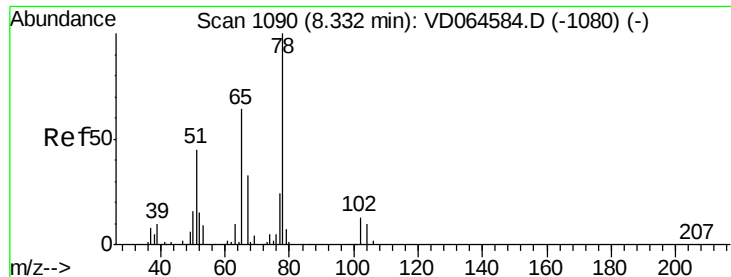
Tgt Ion: 83 Resp: 10255
Ion Ratio Lower Upper
83 100
85 54.8 51.1 76.7



#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064654.D
Acq: 27 Dec 2019 19:41

Tgt Ion: 56 Resp: 10452
Ion Ratio Lower Upper
56 100
69 112.9 24.7 37.1#
84 103.0 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 44.483 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064654.D

Acq: 27 Dec 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

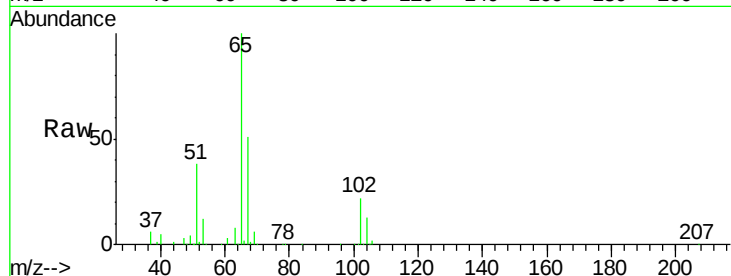
WP022SB448_191226-30-32

Tgt Ion: 65 Resp: 176051

Ion Ratio Lower Upper

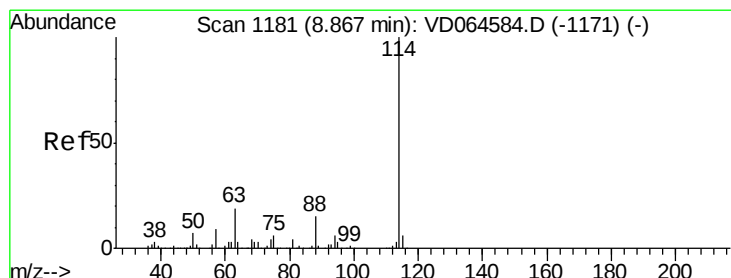
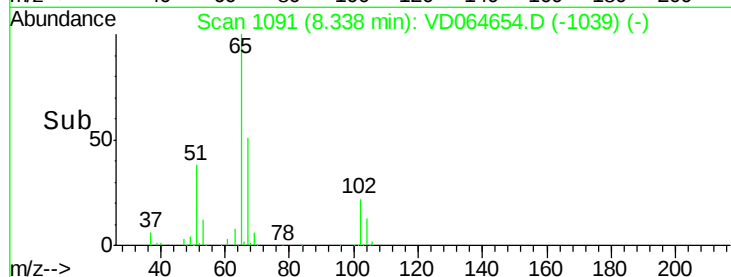
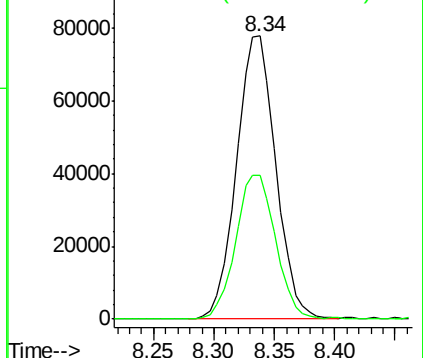
65 100

67 51.6 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: VD064654.D

Acq: 27 Dec 2019 19:41

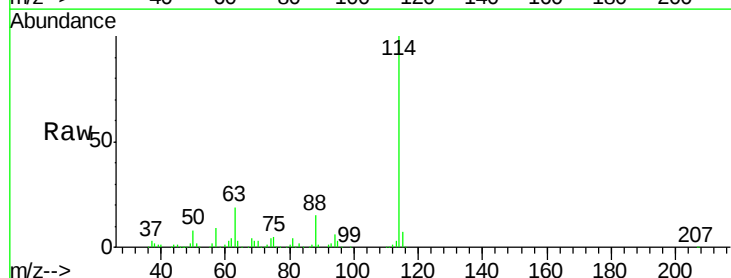
Tgt Ion: 114 Resp: 658838

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.0

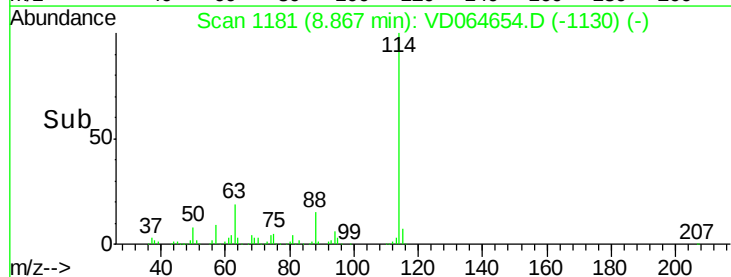
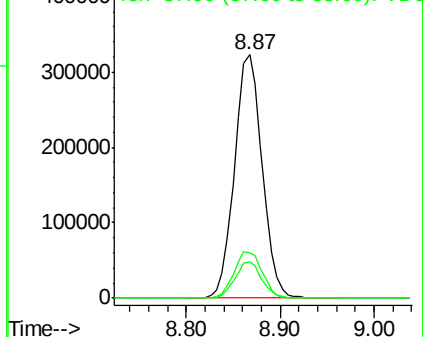
88 14.8 0.0 29.2

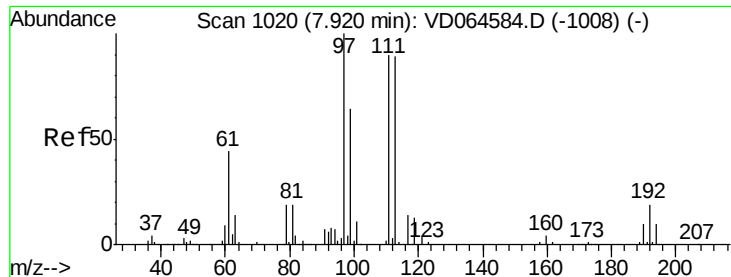


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

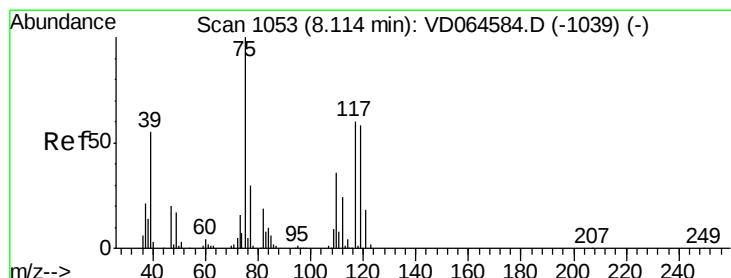
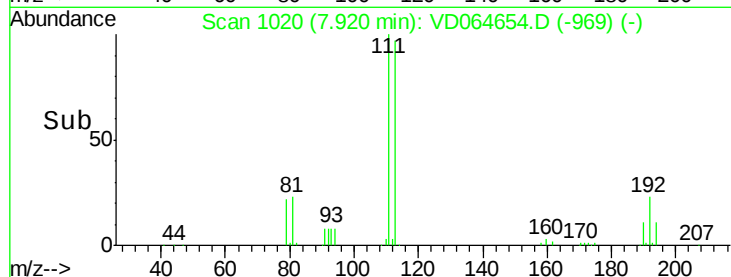
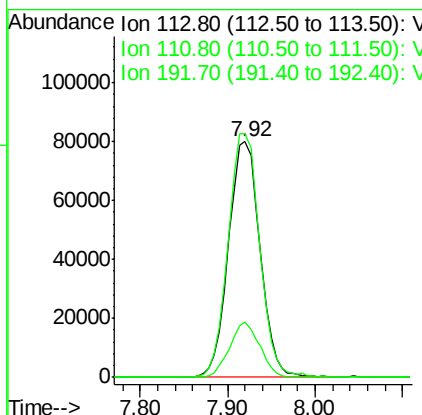
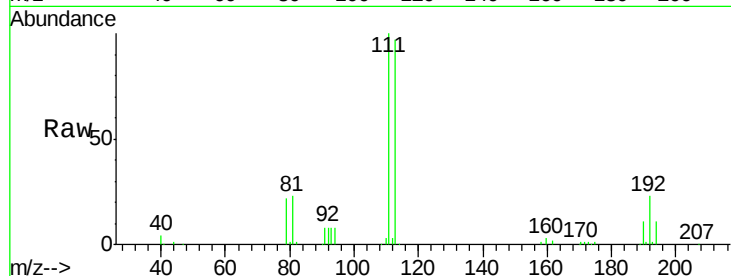




#35
 Dibromofluoromethane
 Concen: 48.369 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064654.D
 Acq: 27 Dec 2019 19:41

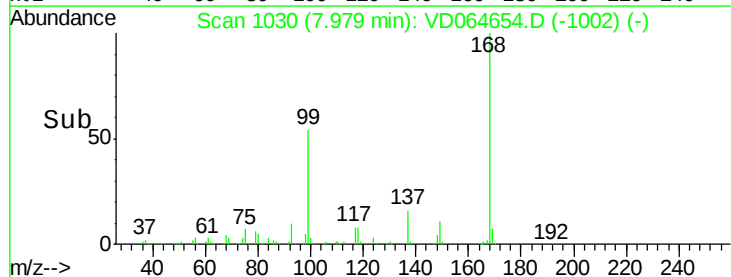
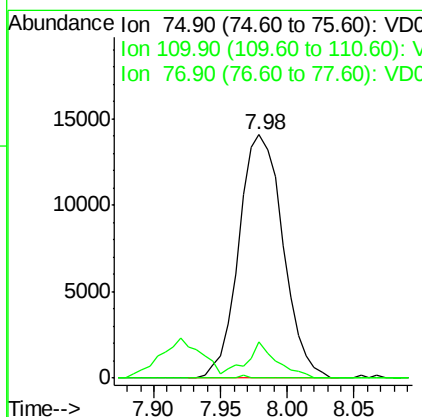
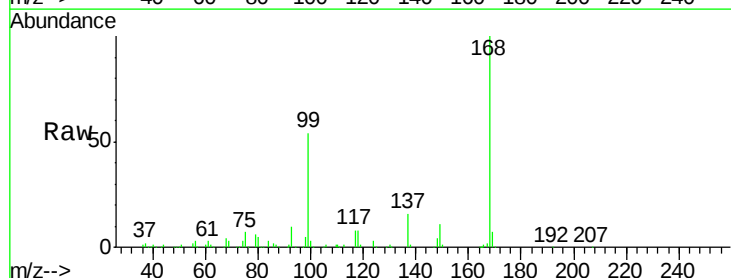
Instrument :
 MSVOA_D
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 WP022SB448_191226-30-32

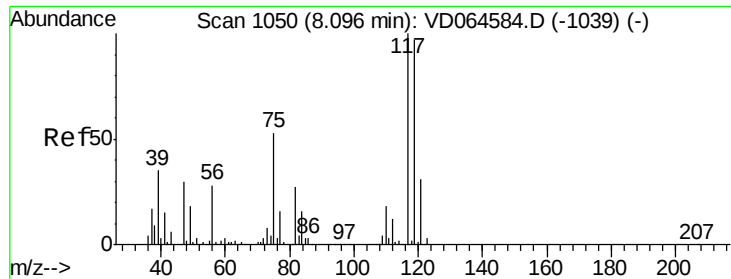
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.6	121.0
192	22.4	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 5.090 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064654.D
 Acq: 27 Dec 2019 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.2	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.201 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064654.D

Acq: 27 Dec 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

WP022SB448_191226-30-32

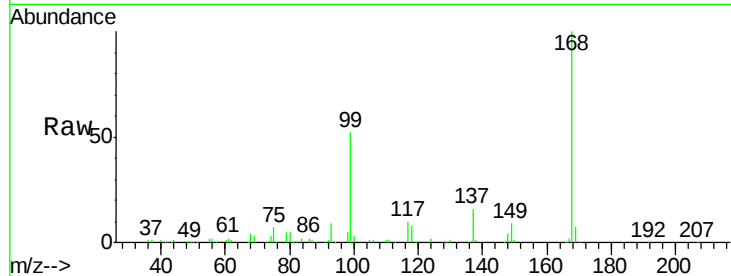
Tgt Ion: 117 Resp: 41927

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

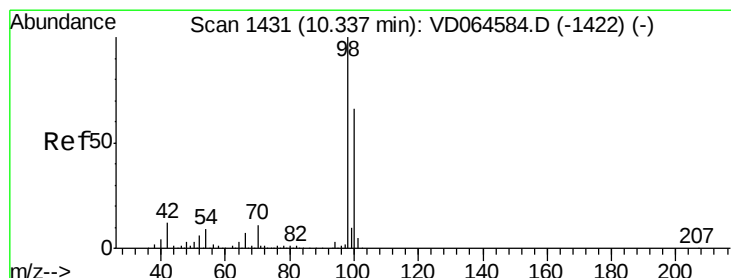
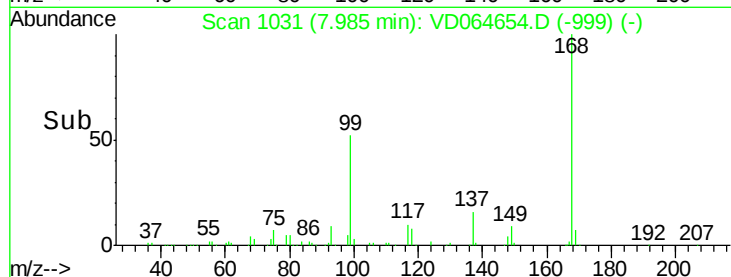
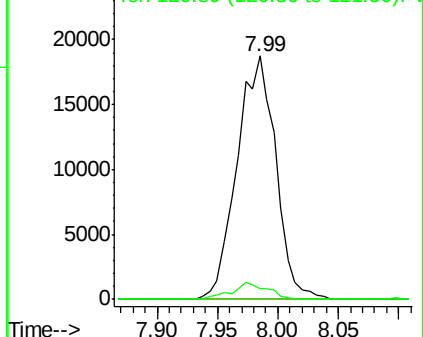
121 0.0 25.0 37.6#



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: 48.242 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064654.D

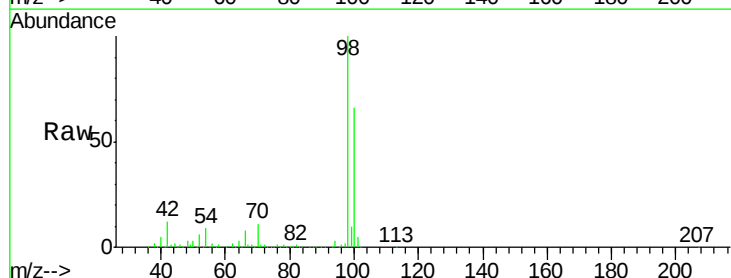
Acq: 27 Dec 2019 19:41

Tgt Ion: 98 Resp: 746818

Ion Ratio Lower Upper

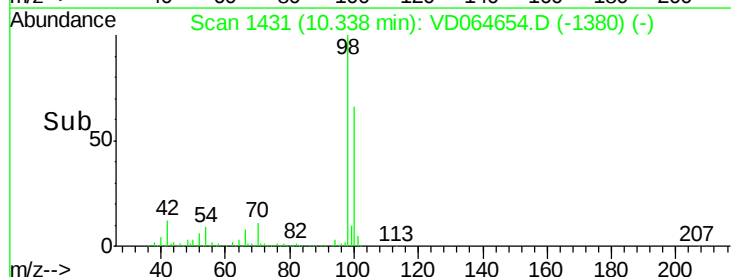
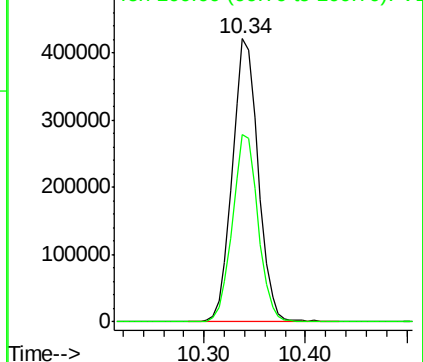
98 100

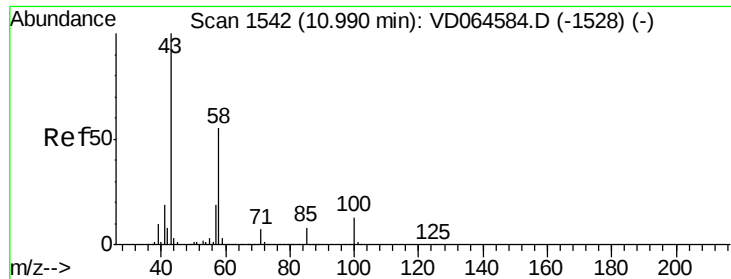
100 65.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

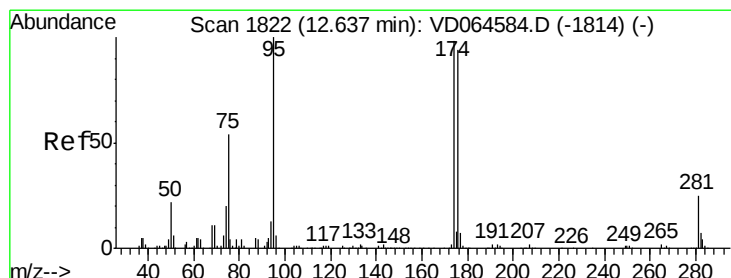
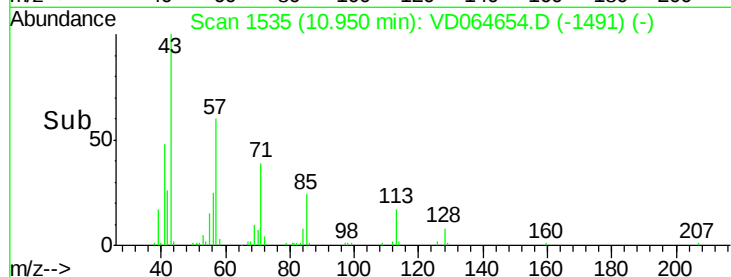
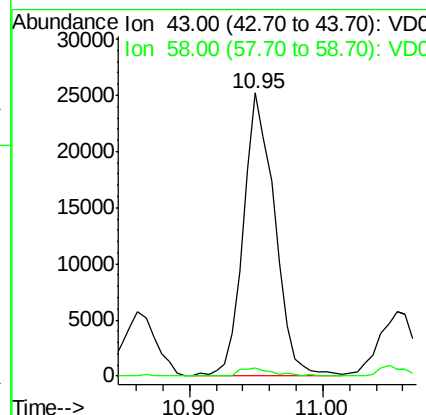
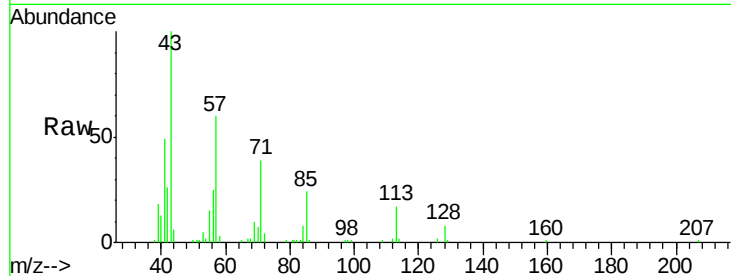




#59
2-Hexanone
Concen: 24.644 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.04 min
Lab File: VD064654.D
Acq: 27 Dec 2019 19:41

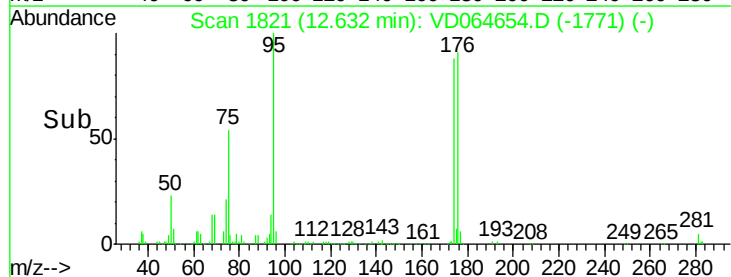
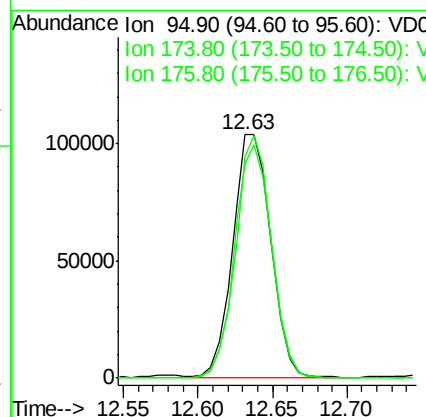
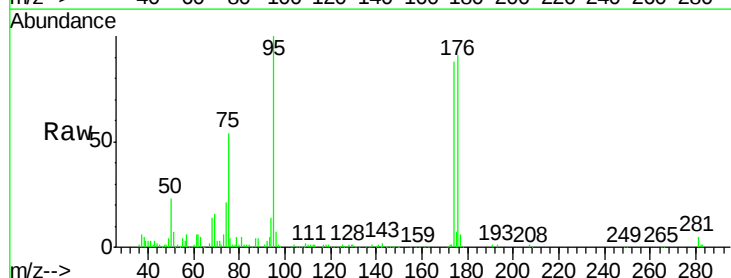
Instrument :
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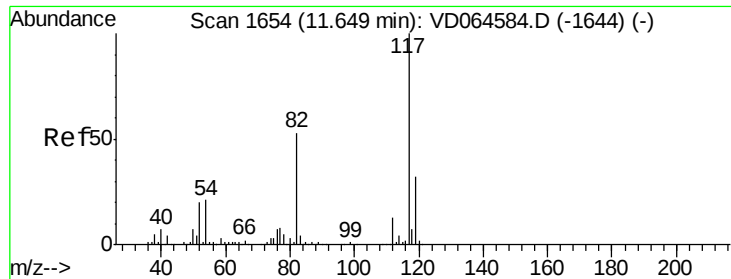
Tgt Ion: 43 Resp: 40995
Ion Ratio Lower Upper
43 100
58 3.2 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 37.534 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD064654.D
Acq: 27 Dec 2019 19:41

Tgt Ion: 95 Resp: 183734
Ion Ratio Lower Upper
95 100
174 93.8 0.0 193.2
176 93.9 0.0 184.2

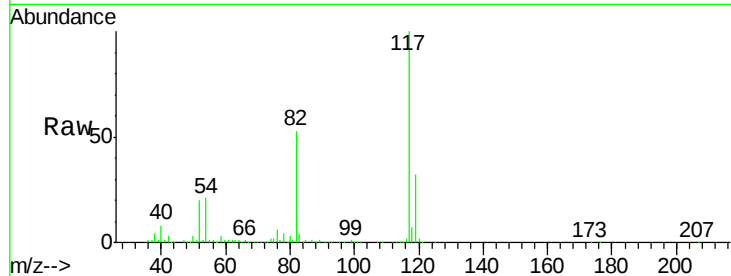




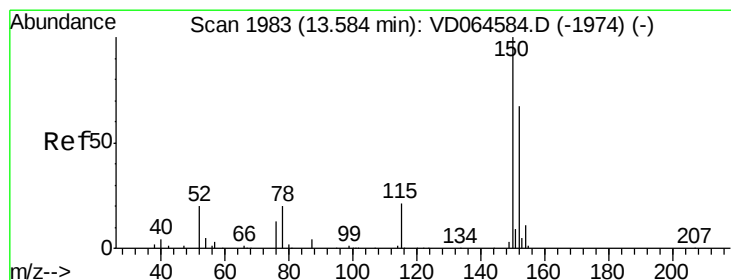
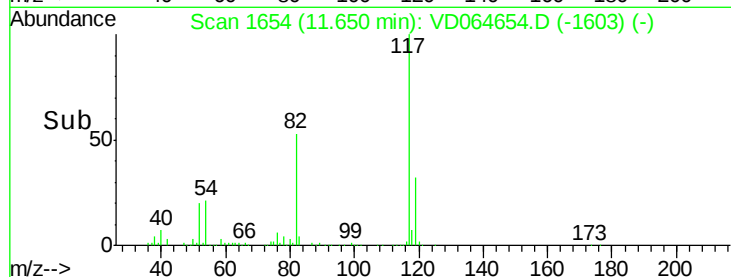
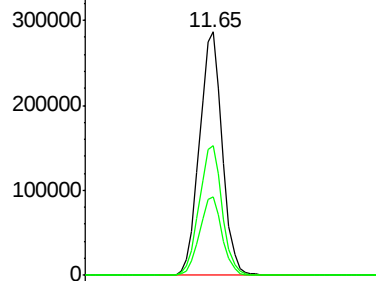
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064654.D
Acq: 27 Dec 2019 19:41

Instrument :
MSVOA_D
ClientSampleId :
WP022SB448_191226-30-32

Tgt Ion:117 Resp: 500124
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 32.1 26.0 39.0

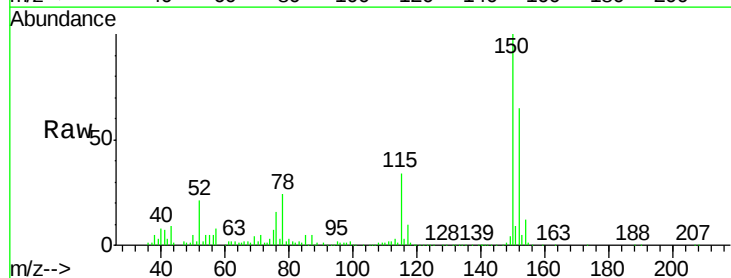


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

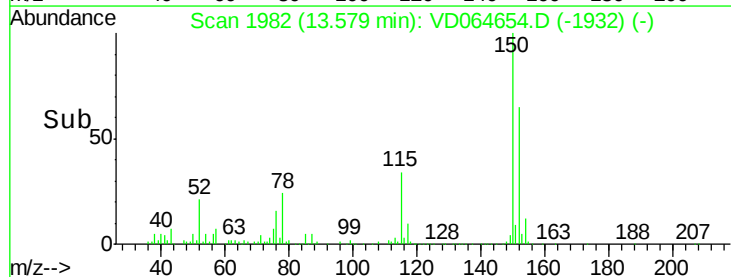
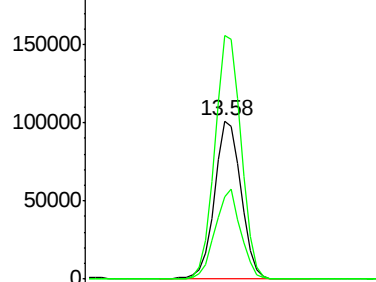


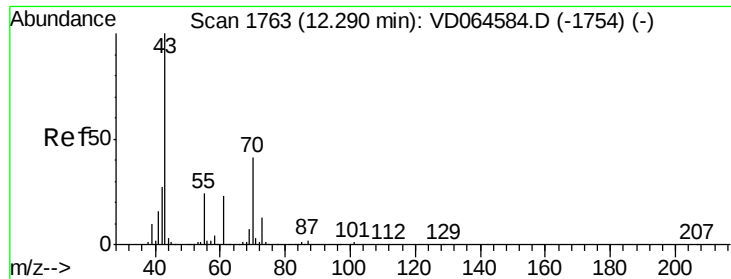
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064654.D
Acq: 27 Dec 2019 19:41

Tgt Ion:152 Resp: 171276
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.4
150 152.5 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: 23.912 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064654.D

Acq: 27 Dec 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

WP022SB448_191226-30-32

Tgt Ion: 43 Resp: 62564

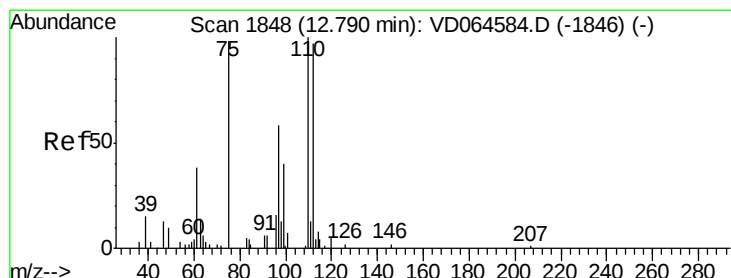
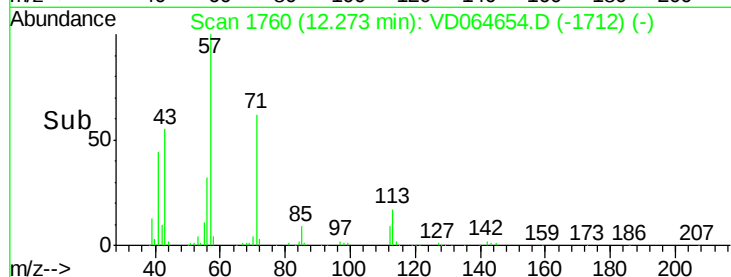
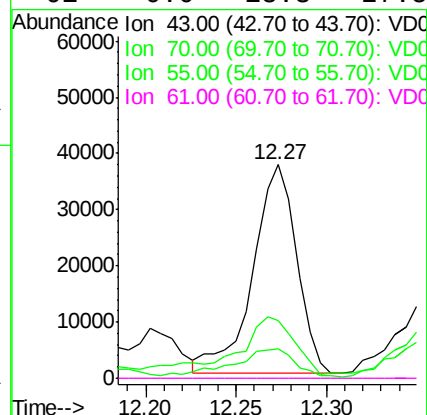
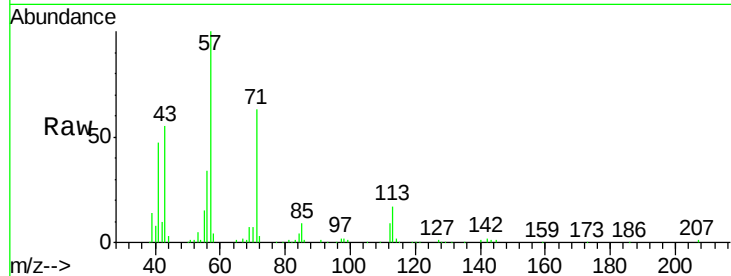
Ion Ratio Lower Upper

43 100

70 18.9 33.4 50.0#

55 34.7 19.4 29.0#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 73.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064654.D

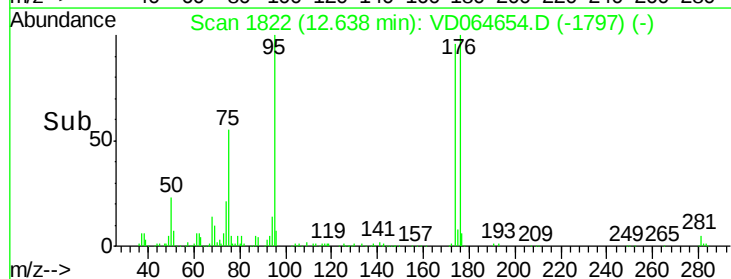
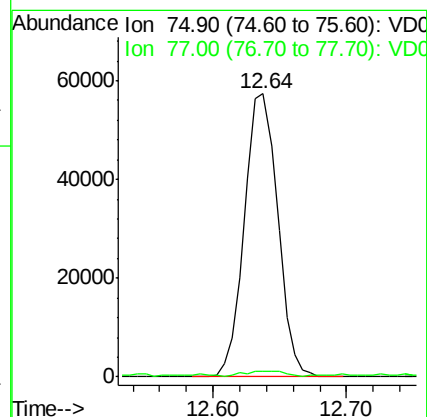
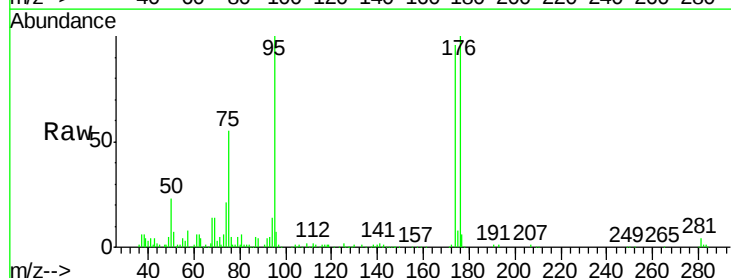
Acq: 27 Dec 2019 19:41

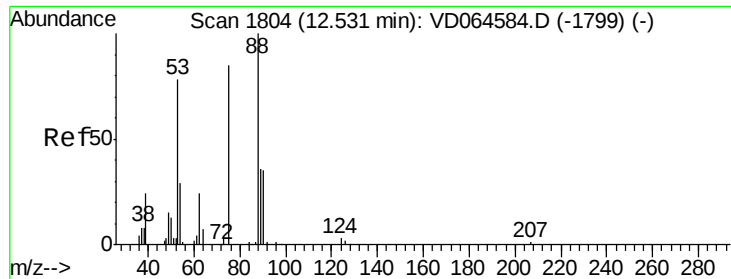
Tgt Ion: 75 Resp: 99044

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.159 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064654.D
 Acq: 27 Dec 2019 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB448_191226-30-32

Tgt Ion: 75 Resp: 99044
 Ion Ratio Lower Upper
 75 100
 53 1.0 78.8 118.2#
 89 0.0 38.3 57.5#

