

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014536.D
 Acq On : 06 Jan 2020 20:44
 Operator : SY/VA
 Sample : K6476-07
 Misc : 9.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-21-23

Quant Time: Jan 07 04:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	491099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	741715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	639009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	282048	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	229660	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	7.88	113	214990	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	10.32	98	867894	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.62	95	282006	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	

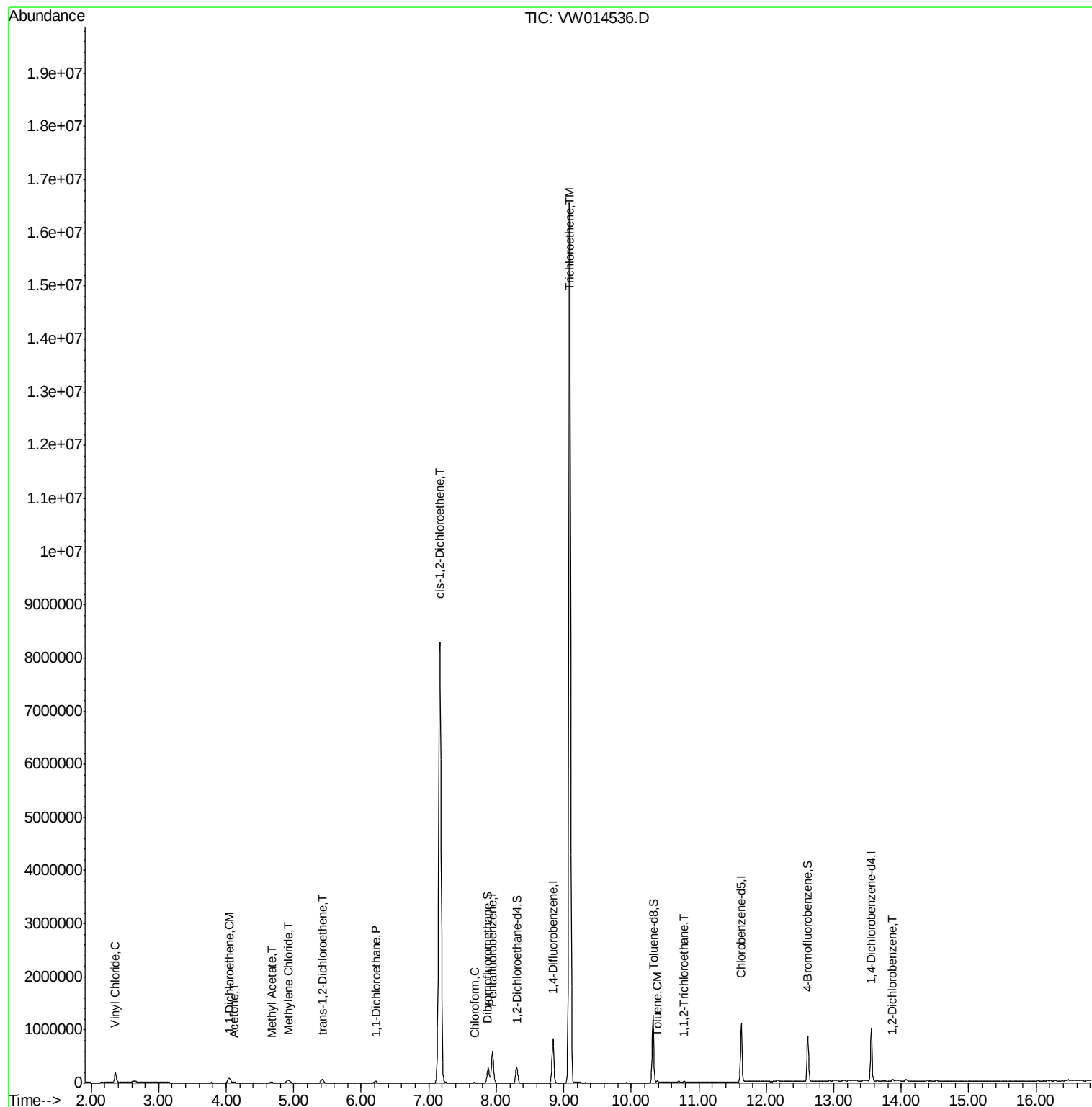
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	205911	41.248	ug/l	99
12) 1,1-Dichloroethene	4.04	96	64402	13.178	ug/l	98
16) Acetone	4.12	43	20122	16.597	ug/l	97
18) Methyl Acetate	4.67	43	27765	9.482	ug/l	99
20) Methylene Chloride	4.92	84	56644	7.732	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	41120	7.924	ug/l	97
24) 1,1-Dichloroethane	6.21	63	40290	4.569	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	5266844	965.913	ug/l	93
30) Chloroform	7.67	83	8858	1.074	ug/l #	79
44) Trichloroethene	9.09	130	6327723	1155.871	ug/l	98
52) Toluene	10.38	92	14707	1.156	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8379	2.341	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	10602	1.291	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

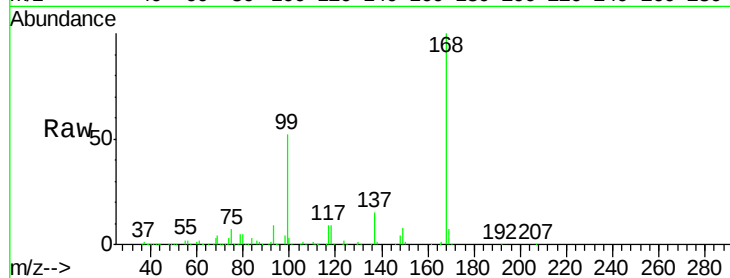
WP022SB455_191227-21-23

Tgt Ion:168 Resp: 491099

Ion Ratio Lower Upper

168 100

99 52.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

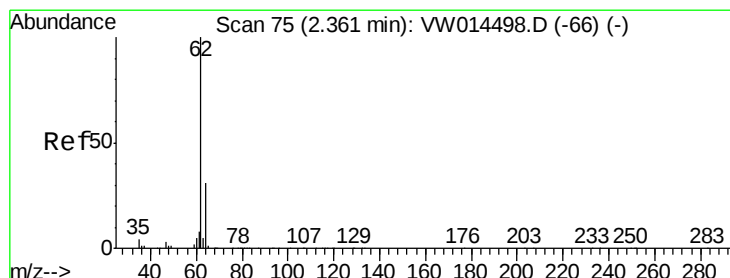
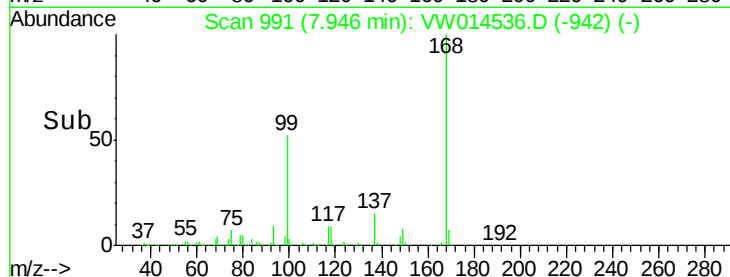
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.248 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014536.D

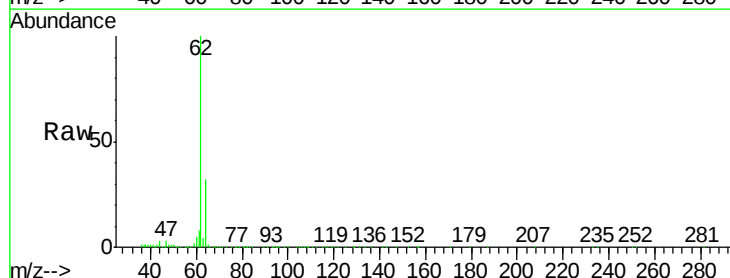
Acq: 06 Jan 2020 20:44

Tgt Ion: 62 Resp: 205911

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

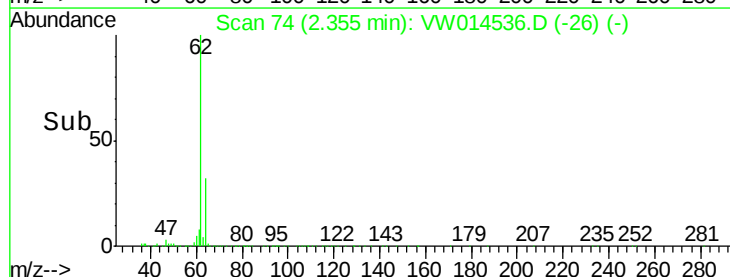
2.36

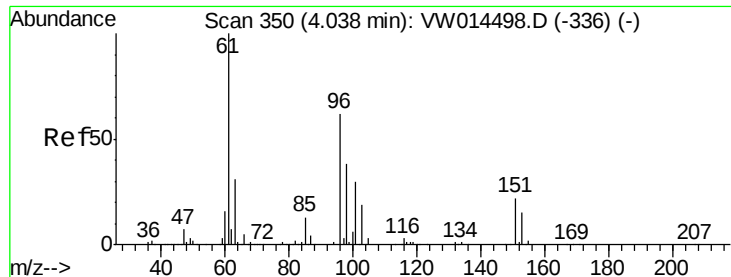
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Time-->

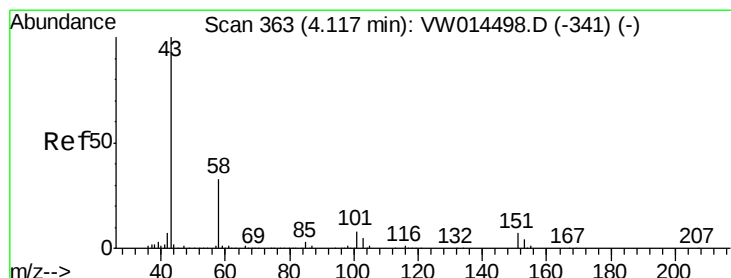
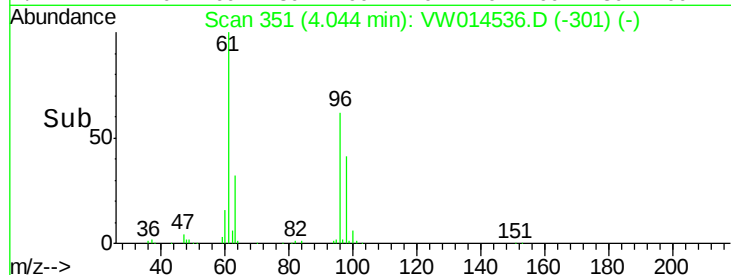
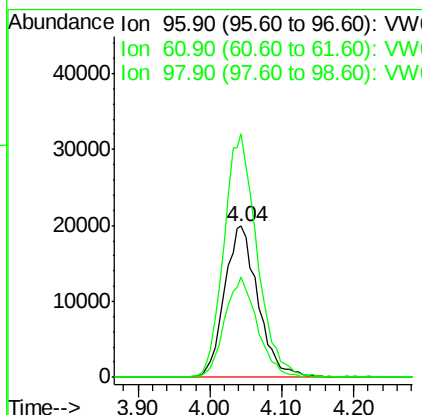
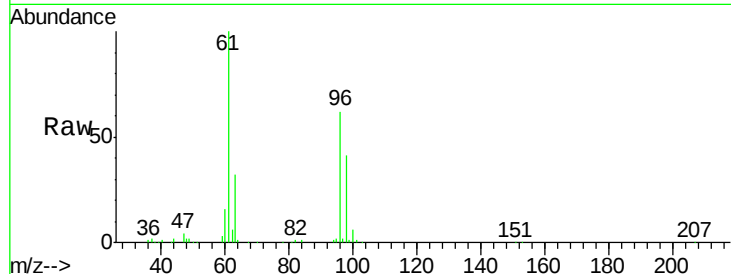




#12
 1,1-Dichloroethene
 Concen: 13.178 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

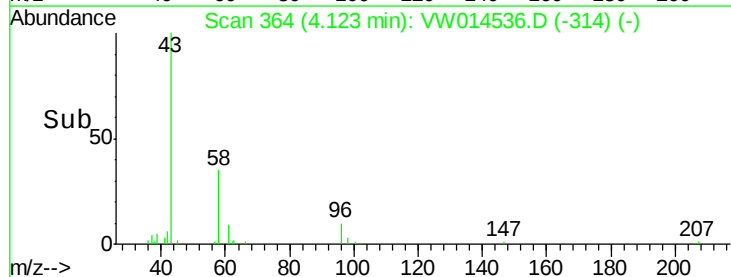
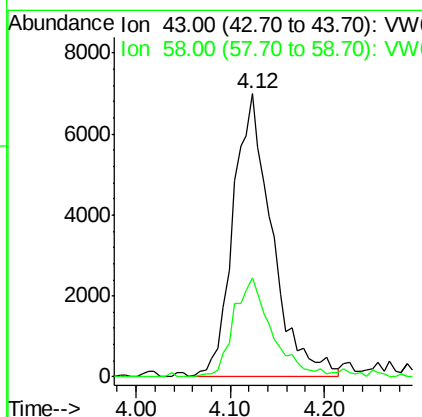
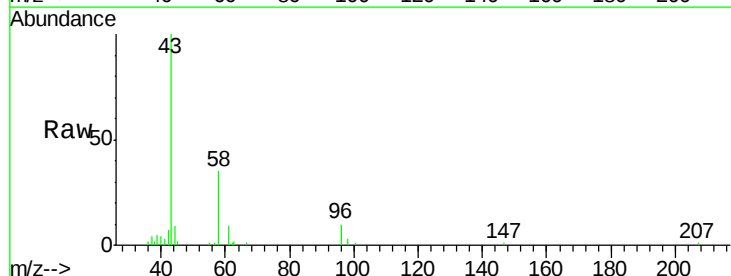
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-21-23

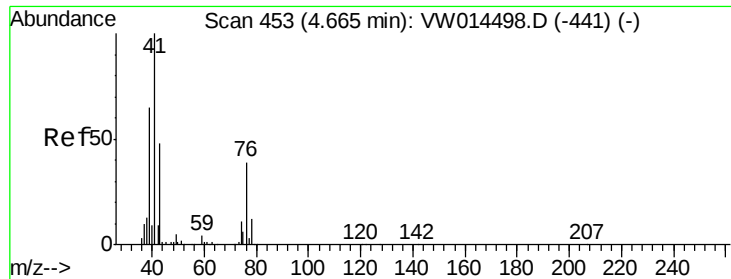
Tgt Ion: 96 Resp: 64402
 Ion Ratio Lower Upper
 96 100
 61 161.4 128.4 192.6
 98 66.3 49.1 73.7



#16
 Acetone
 Concen: 16.597 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion: 43 Resp: 20122
 Ion Ratio Lower Upper
 43 100
 58 34.8 26.6 39.8

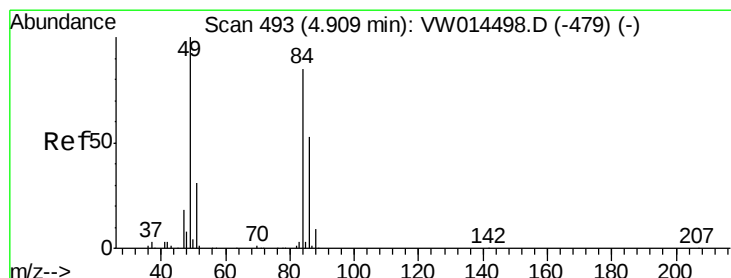
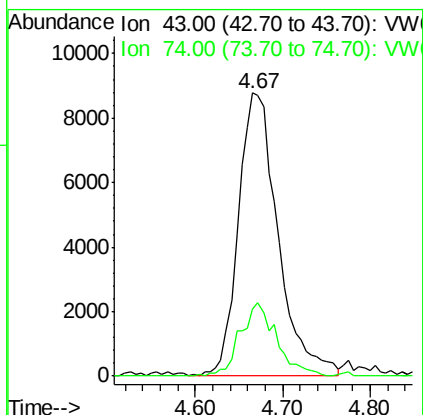
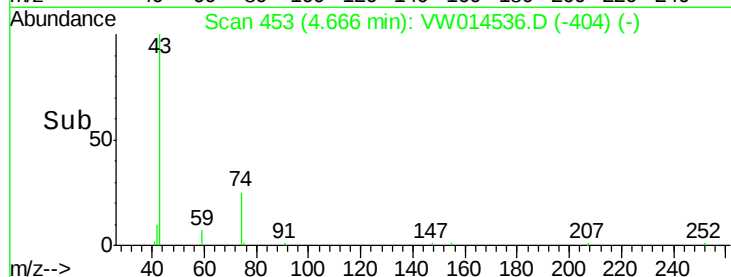
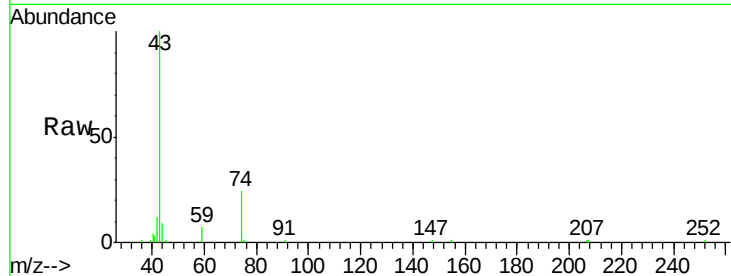




#18
Methyl Acetate
Concen: 9.482 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

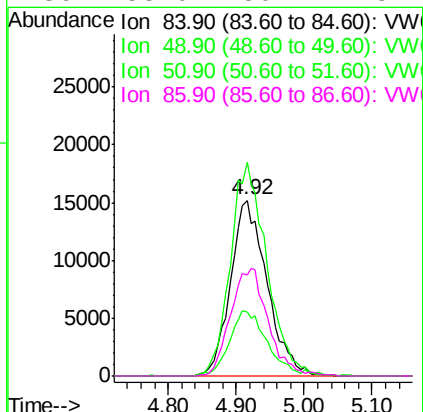
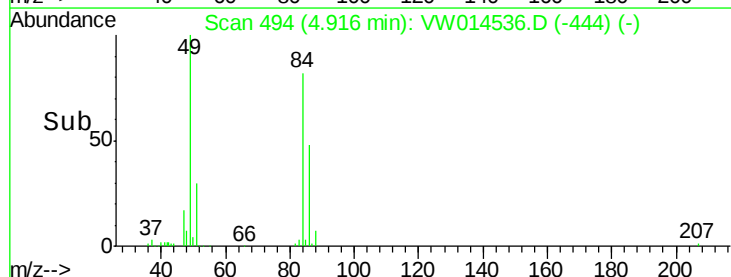
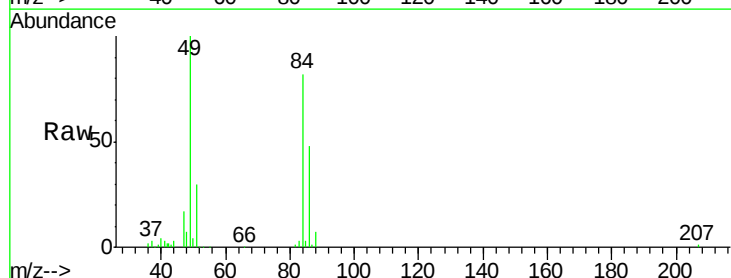
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-21-23

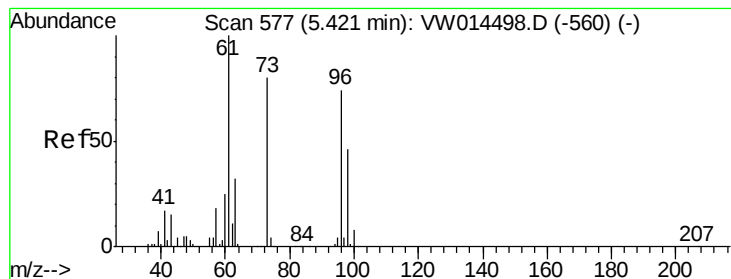
Tgt Ion: 43 Resp: 27765
Ion Ratio Lower Upper
43 100
74 23.7 19.3 28.9



#20
Methylene Chloride
Concen: 7.732 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion: 84 Resp: 56644
Ion Ratio Lower Upper
84 100
49 121.8 94.4 141.6
51 36.8 29.5 44.3
86 58.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 7.924 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-21-23

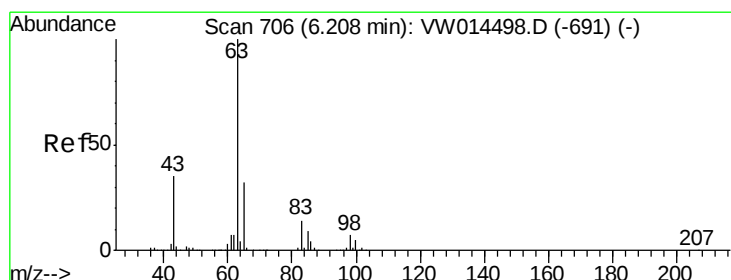
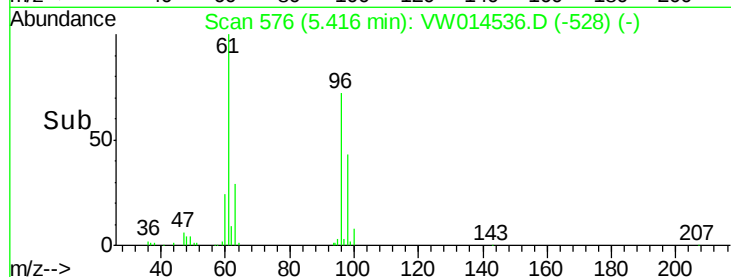
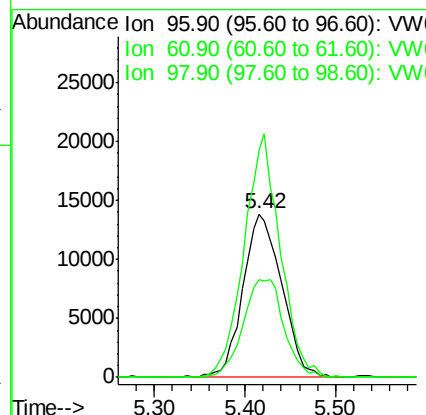
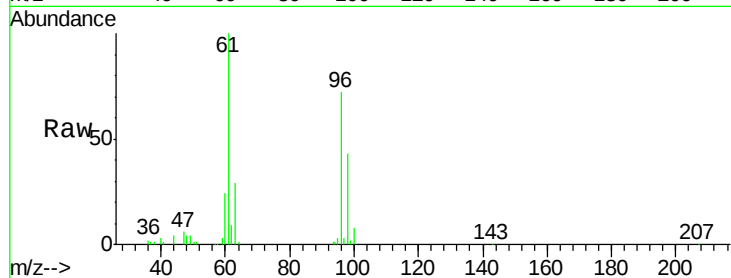
Tgt Ion: 96 Resp: 41120

Ion Ratio Lower Upper

96 100

61 139.0 107.8 161.6

98 59.7 49.4 74.0



#24

1,1-Dichloroethane

Concen: 4.569 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

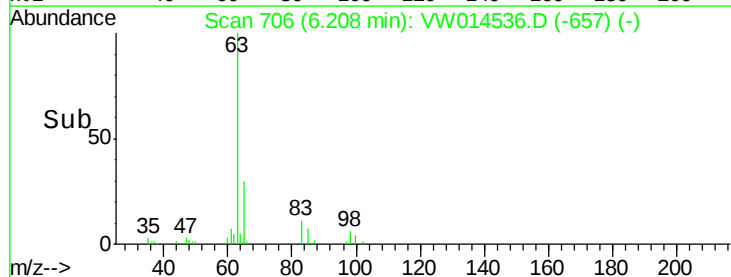
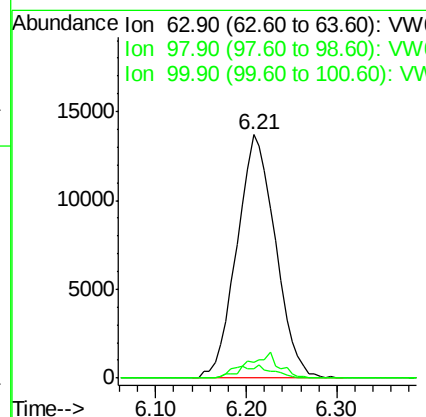
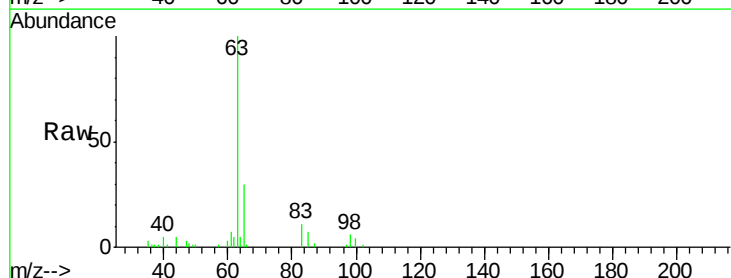
Tgt Ion: 63 Resp: 40290

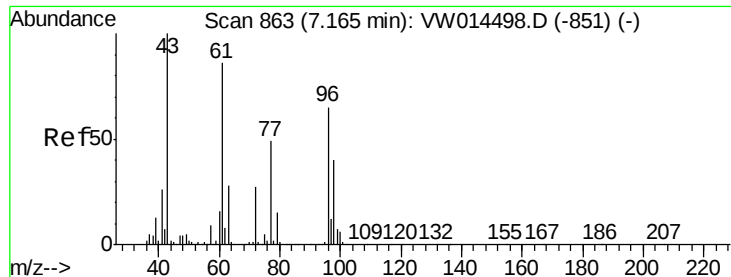
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.5 7.4



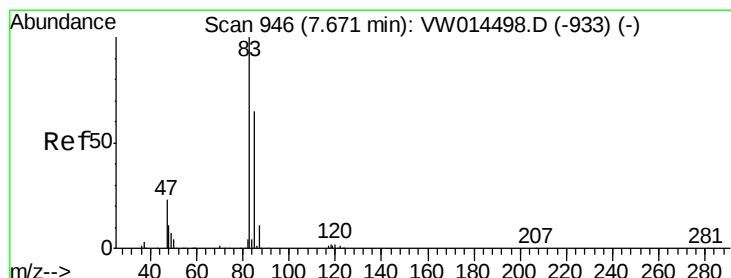
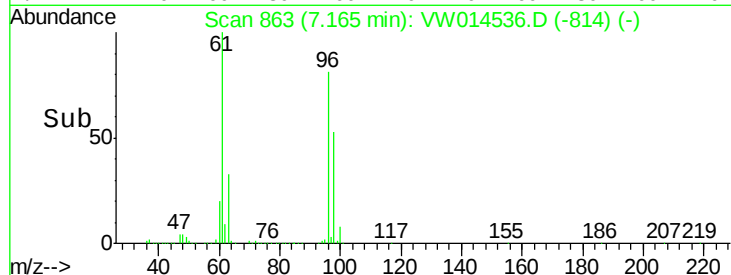
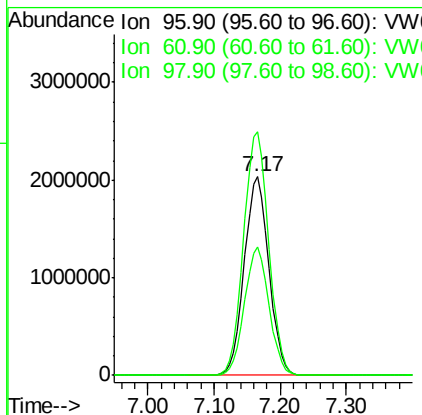
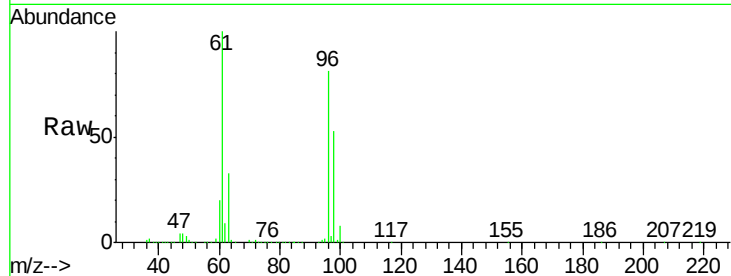


#27

cis-1,2-Dichloroethene
 Concen: 965.913 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-21-23

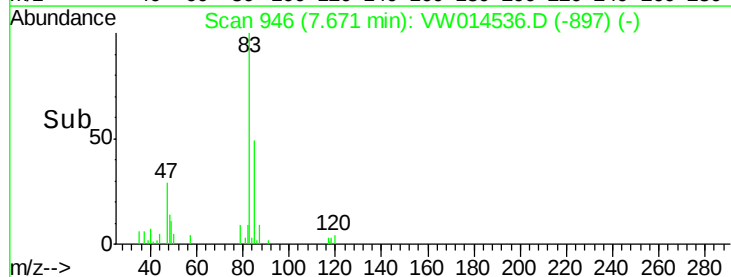
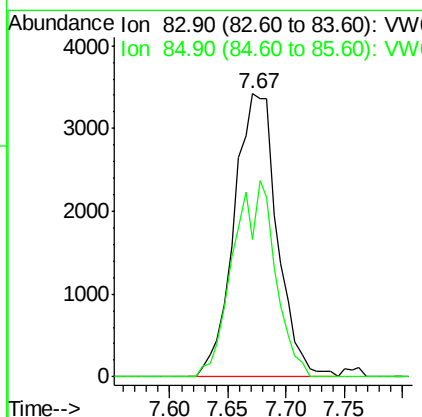
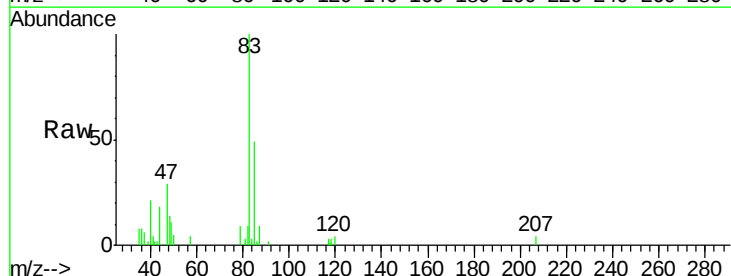
Tgt Ion: 96 Resp: 5266844
 Ion Ratio Lower Upper
 96 100
 61 125.0 0.0 274.8
 98 64.5 0.0 128.6

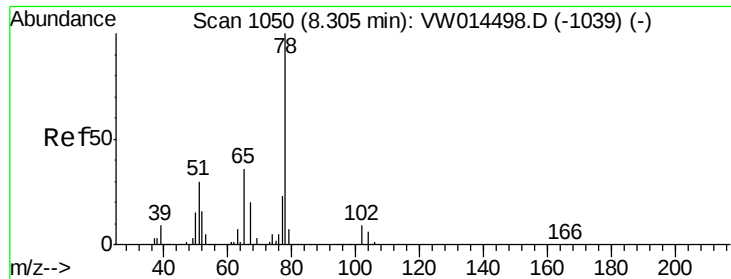


#30

Chloroform
 Concen: 1.074 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion: 83 Resp: 8858
 Ion Ratio Lower Upper
 83 100
 85 48.8 52.2 78.2#

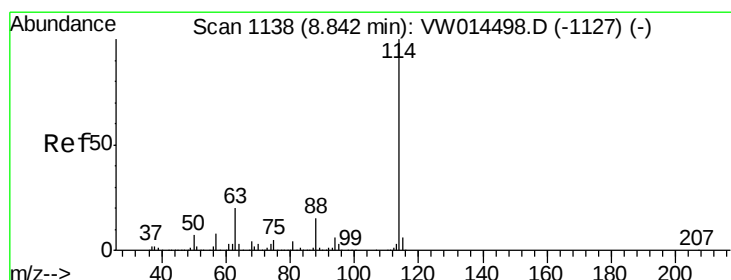
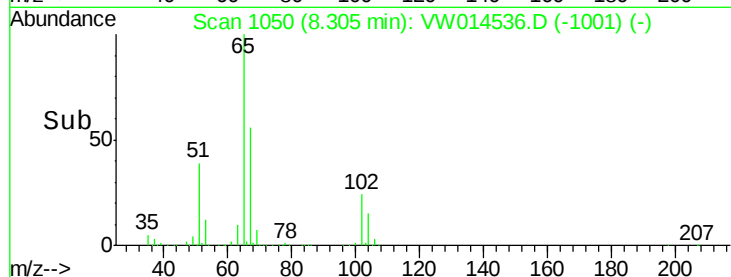
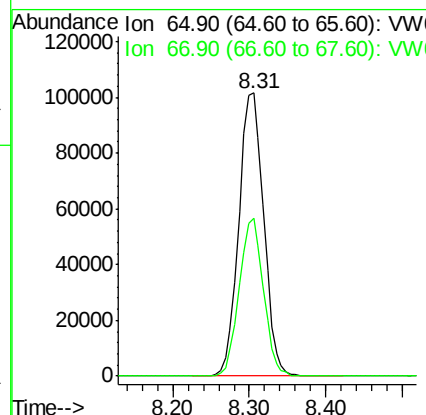
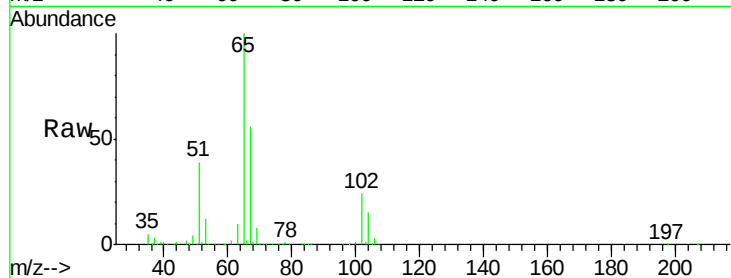




#33
 1,2-Dichloroethane-d4
 Concen: 53.487 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

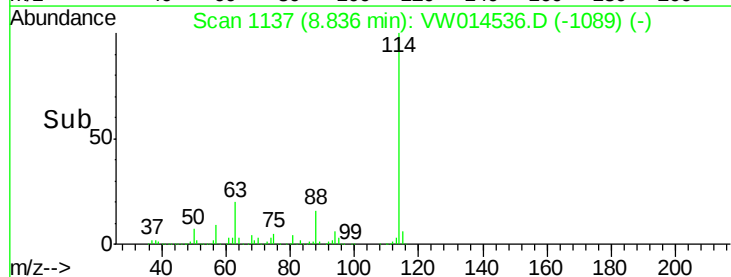
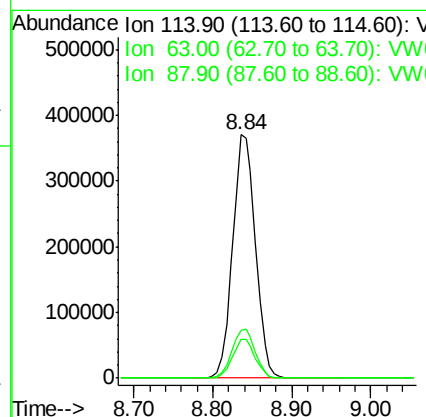
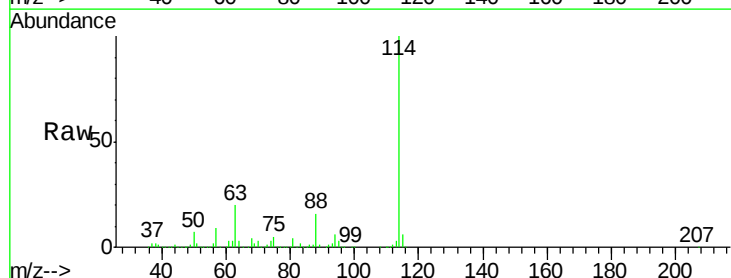
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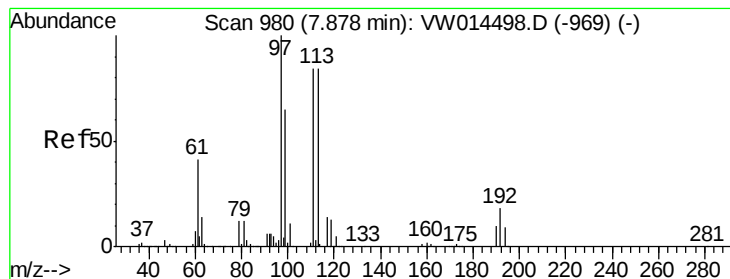
Tgt Ion: 65 Resp: 229660
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion: 114 Resp: 741715
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.4
 88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.717 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-21-23

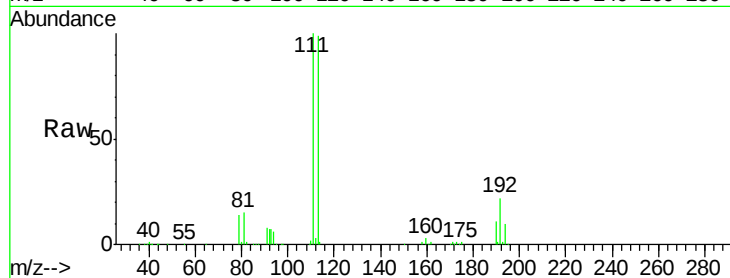
Tgt Ion:113 Resp: 214990

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

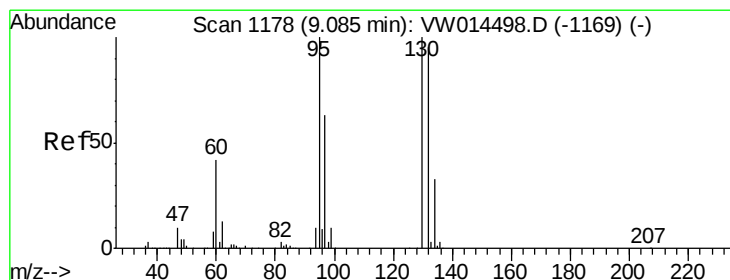
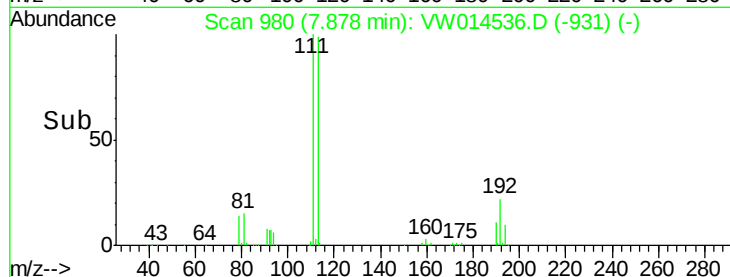
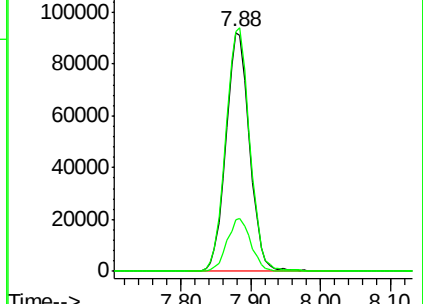
192 22.3 17.8 26.8



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



#44

Trichloroethene

Concen: 1155.871 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014536.D

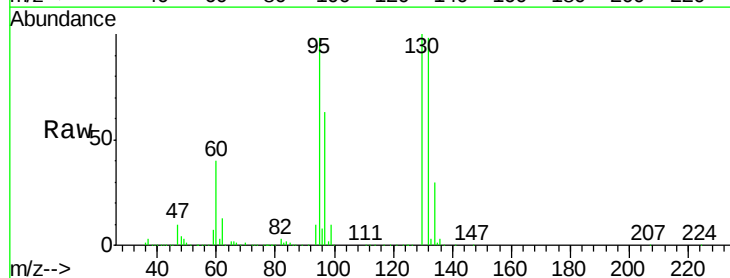
Acq: 06 Jan 2020 20:44

Tgt Ion:130 Resp: 6327723

Ion Ratio Lower Upper

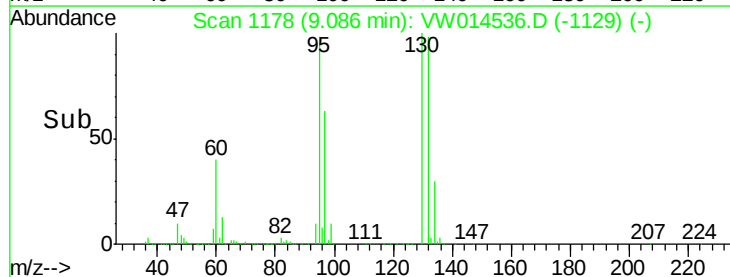
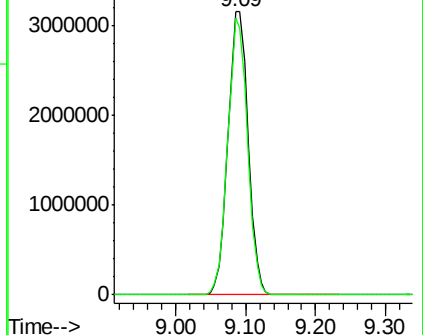
130 100

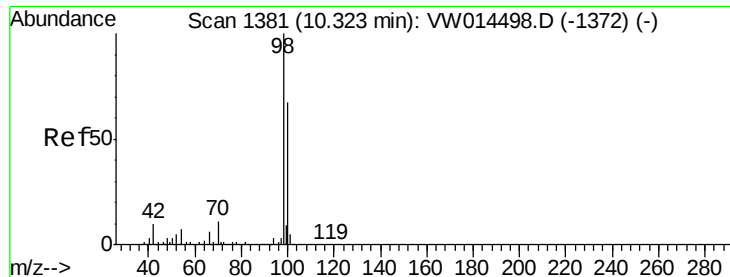
95 97.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.060 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

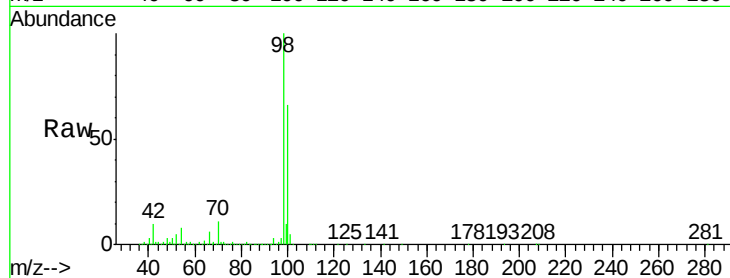
WP022SB455_191227-21-23

Tgt Ion: 98 Resp: 867894

Ion Ratio Lower Upper

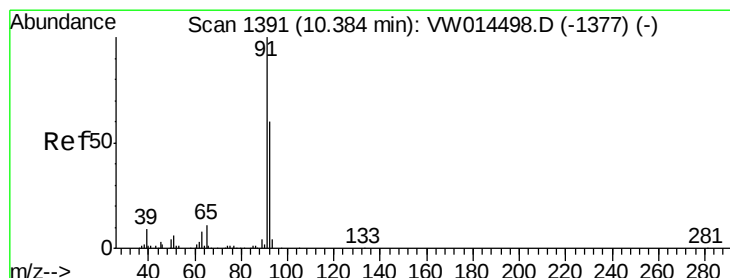
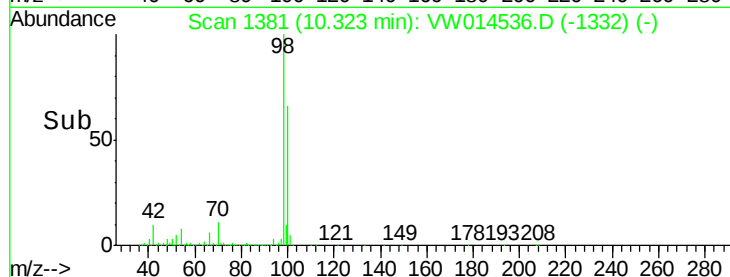
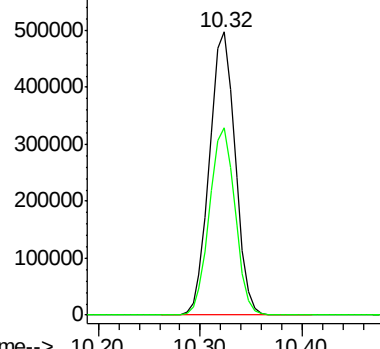
98 100

100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.156 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014536.D

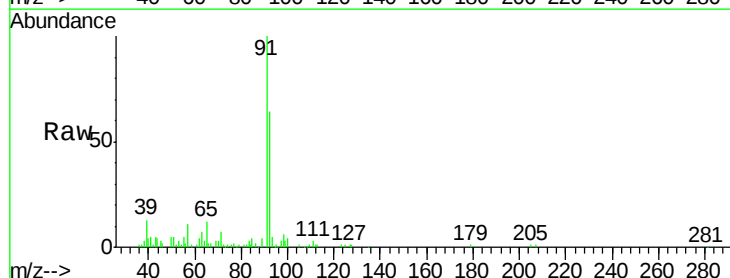
Acq: 06 Jan 2020 20:44

Tgt Ion: 92 Resp: 14707

Ion Ratio Lower Upper

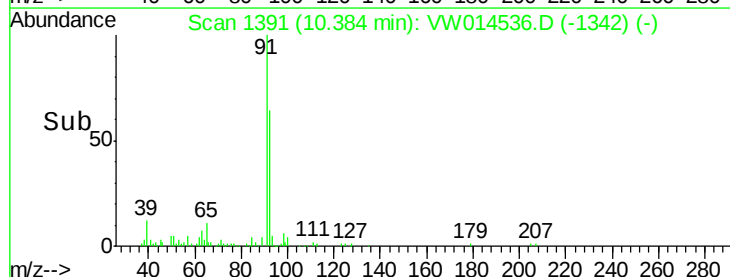
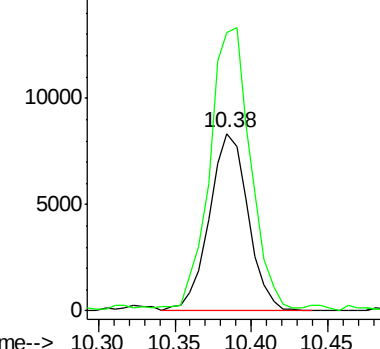
92 100

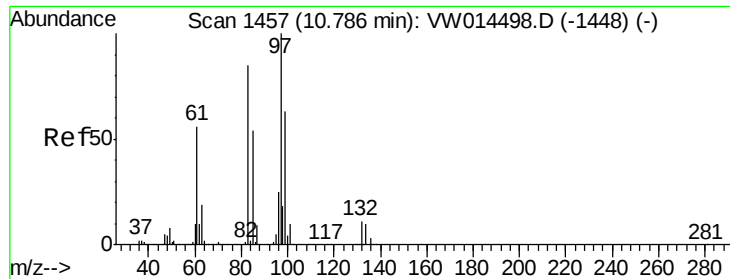
91 163.2 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

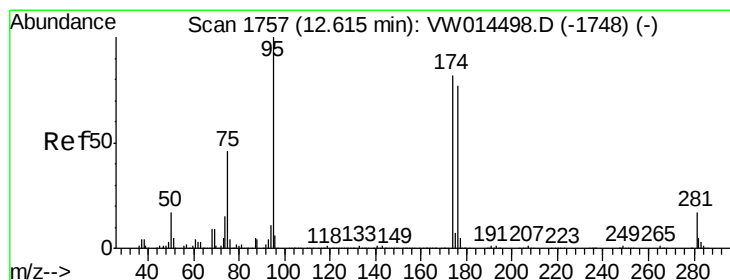
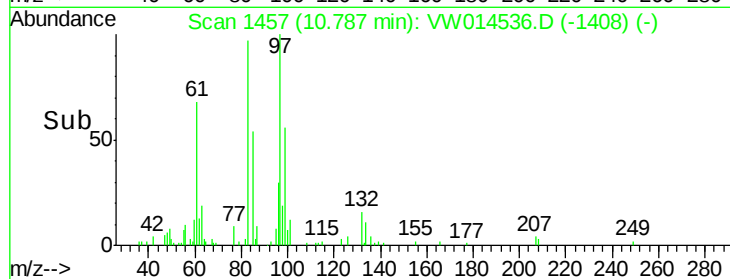
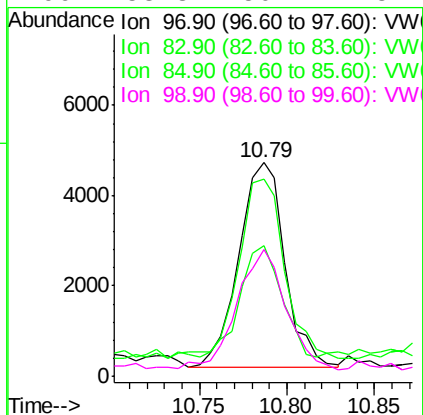
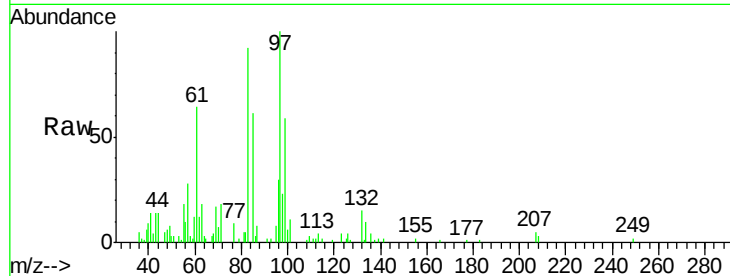




#55
 1,1,2-Trichloroethane
 Concen: 2.341 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

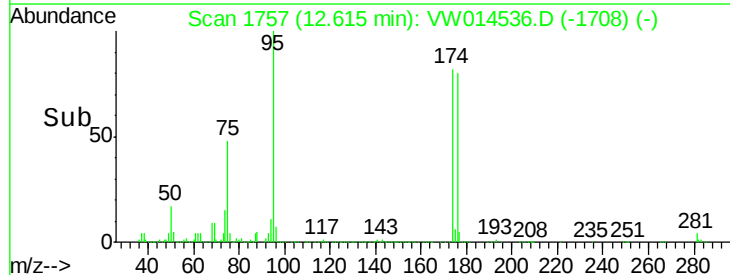
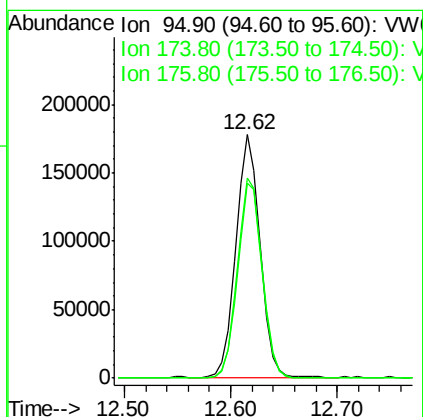
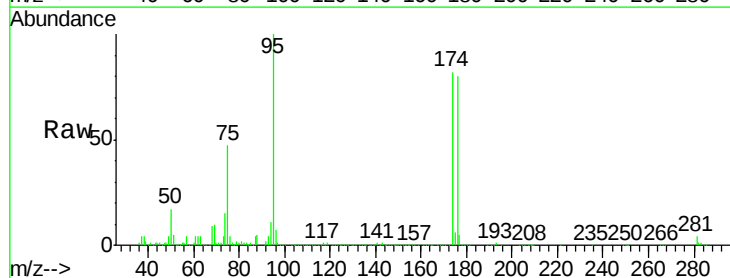
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-21-23

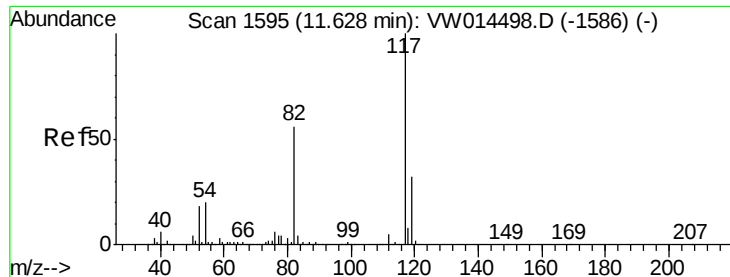
Tgt Ion:	97	Resp:	8379
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.4
85	53.2	43.0	64.4
99	58.3	50.1	75.1



#62
 4-Bromofluorobenzene
 Concen: 46.998 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion:	95	Resp:	282006
Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	168.6
176	81.7	0.0	162.0

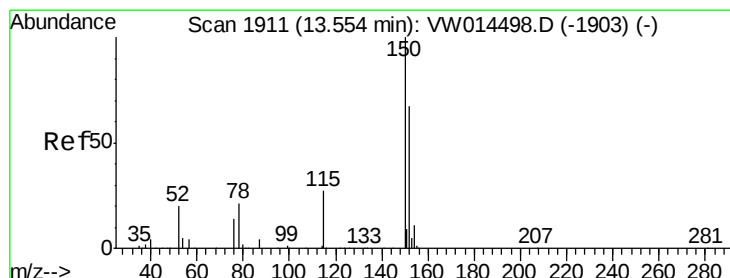
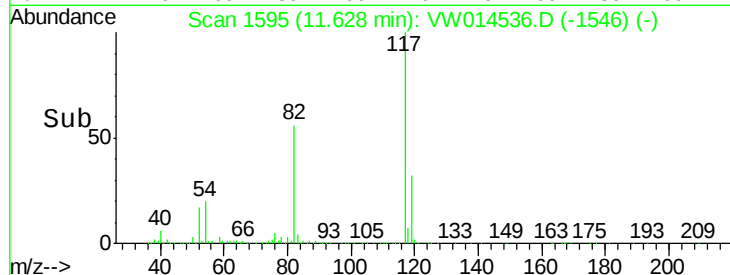
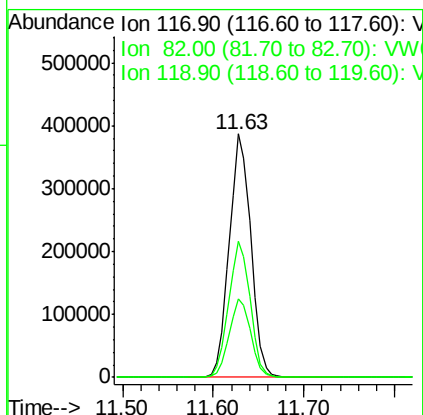
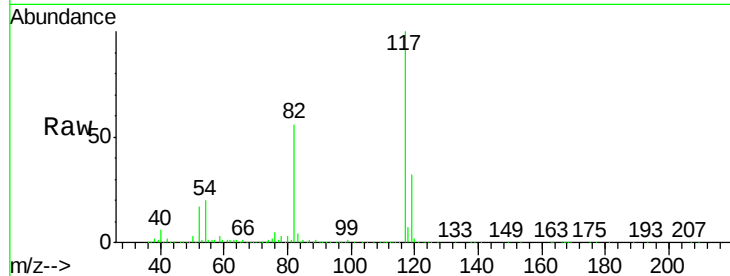




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

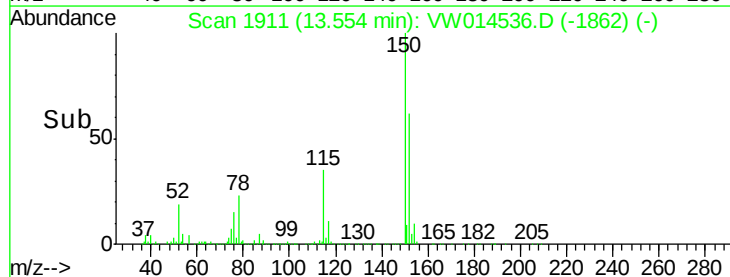
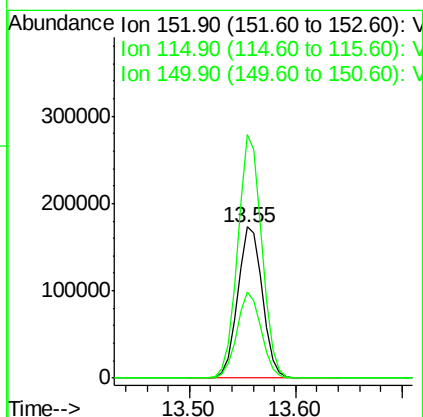
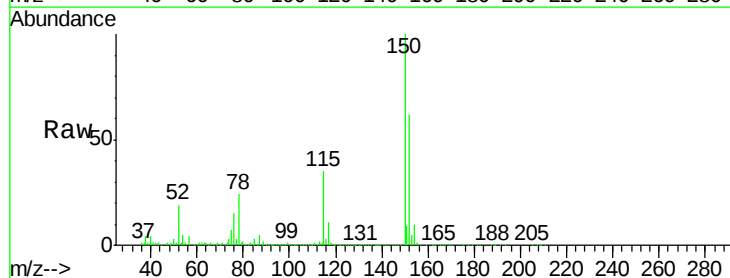
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-21-23

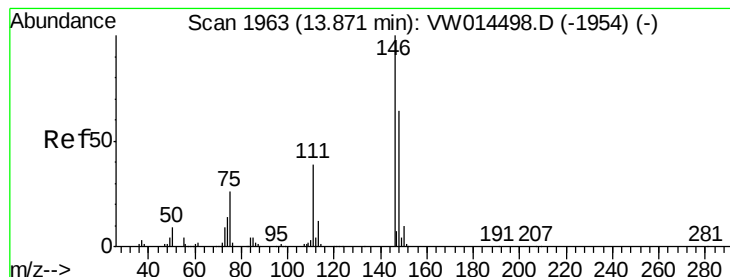
Tgt Ion:117 Resp: 639009
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion:152 Resp: 282048
Ion Ratio Lower Upper
152 100
115 56.1 27.7 83.1
150 157.1 0.0 343.4





#91

1,2-Dichlorobenzene

Concen: 1.291 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-21-23

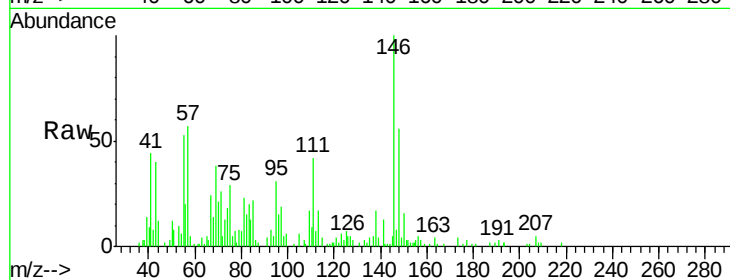
Tgt Ion:146 Resp: 10602

Ion Ratio Lower Upper

146 100

111 44.2 20.4 61.3

148 59.6 32.3 96.8



Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

