

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014535.D
 Acq On : 06 Jan 2020 20:18
 Operator : SY/VA
 Sample : K6476-08
 Misc : 8.16G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-24-25

Quant Time: Jan 07 02:44:00 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	590399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	974678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	671888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	173610	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	322725	62.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.04%	
35) Dibromofluoromethane	7.88	113	313548	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
50) Toluene-d8	10.32	98	1117823	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.62	95	298947	37.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.82%	

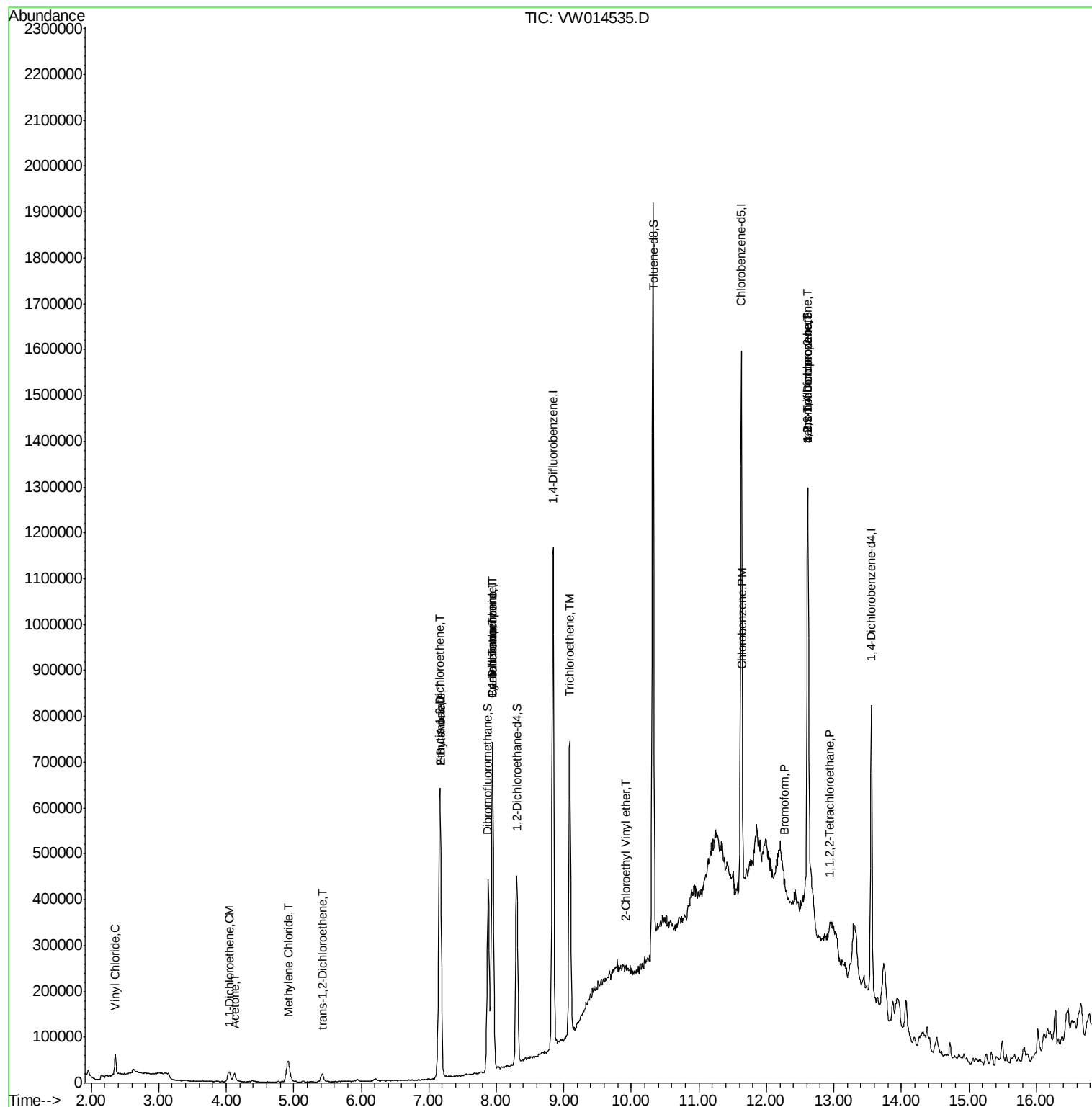
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	43855	7.307	ug/l	98
11) Tert butyl alcohol	5.17	59	635	Below Cal	#	20
12) 1,1-Dichloroethene	4.04	96	15516	2.641	ug/l	93
16) Acetone	4.12	43	32076	22.007	ug/l	92
20) Methylene Chloride	4.92	84	42629	2.982	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	11367	1.822	ug/l	84
25) 2-Butanone	7.18	43	7487	4.003	ug/l #	51
27) cis-1,2-Dichloroethene	7.17	96	393579	60.040	ug/l	95
31) Cyclohexane	7.95	56	12188	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	41156	4.380	ug/l #	50
37) Ethyl Acetate	7.18	43	7369	1.729	ug/l #	1
38) Carbon Tetrachloride	7.94	117	53012	6.503	ug/l #	17
44) Trichloroethene	9.09	130	244154	33.939	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.93	63	2340	1.259	ug/l #	48
65) Chlorobenzene	11.65	112	15164	1.102	ug/l	91
71) Bromoform	12.28	173	3650	1.444	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.94	83	7627	3.317	ug/l	65
76) 1,2,3-Trichloropropane	12.62	75	129678	79.002	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	129678	176.019	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

Instrument :

MSVOA_W

ClientSampleId :

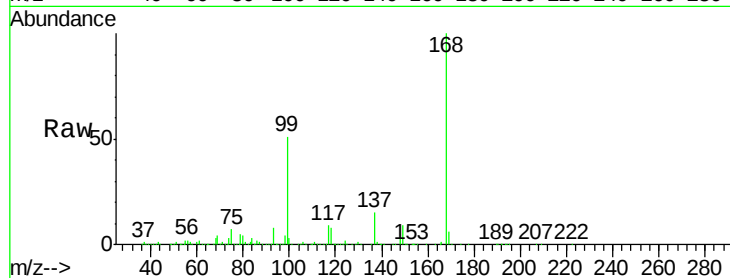
WP022SB455_191227-24-25

Tgt Ion:168 Resp: 590399

Ion Ratio Lower Upper

168 100

99 50.9 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

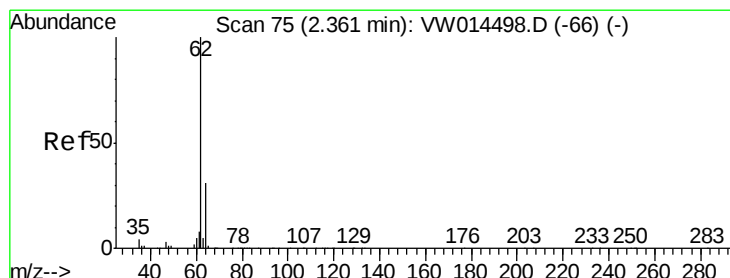
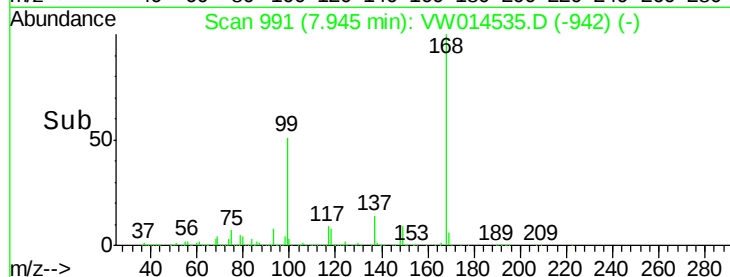
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#4

Vinyl Chloride

Concen: 7.307 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014535.D

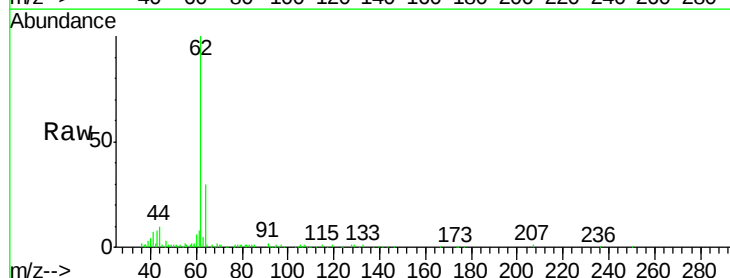
Acq: 06 Jan 2020 20:18

Tgt Ion: 62 Resp: 43855

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

30000

25000

20000

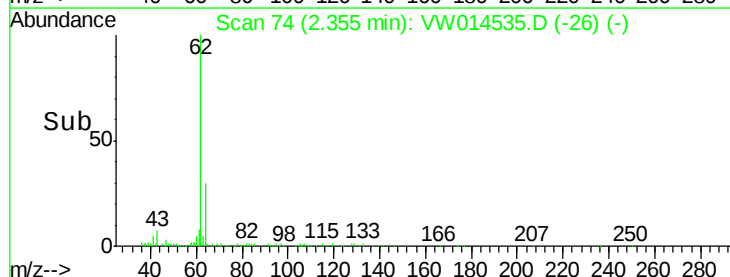
15000

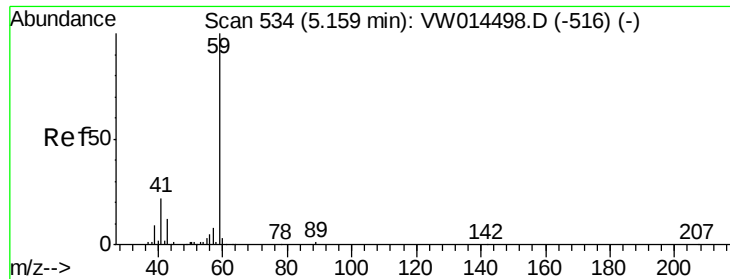
10000

5000

0

Time--> 2.25 2.30 2.35 2.40 2.45

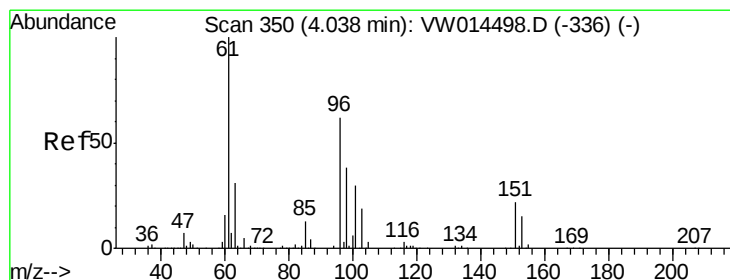
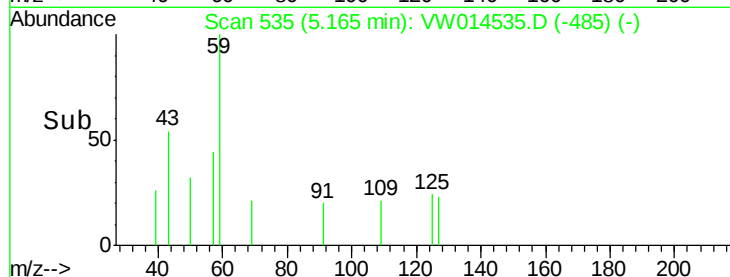
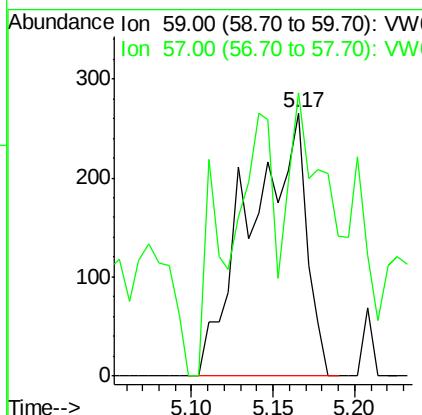
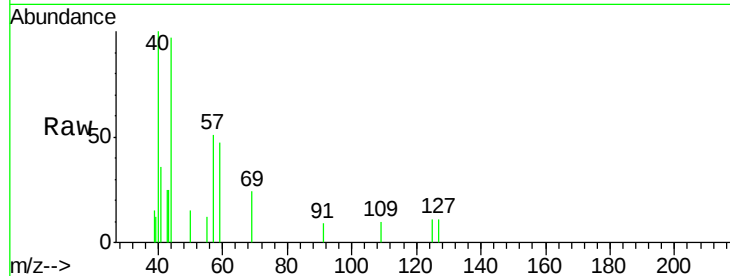




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

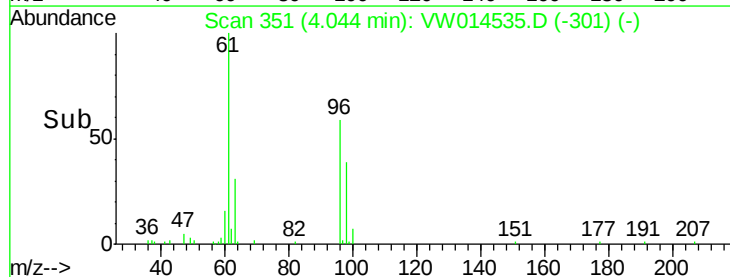
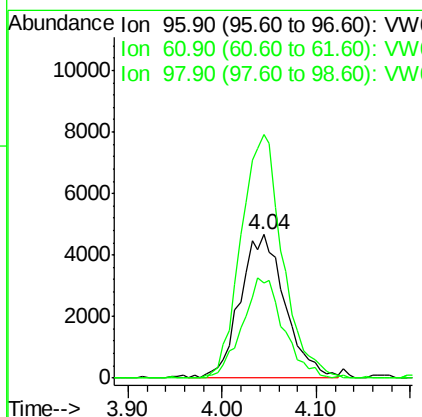
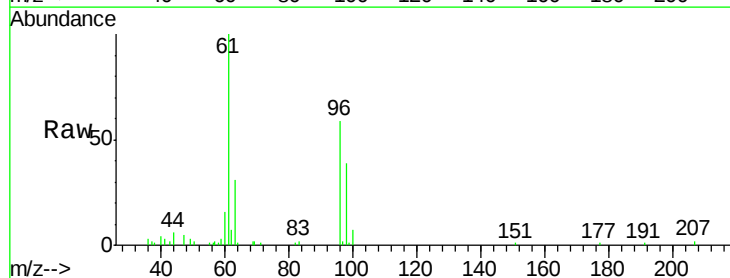
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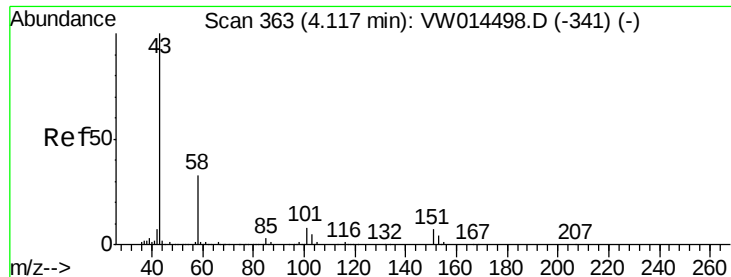
Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 39.4 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.641 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

Tgt Ion: 96 Resp: 15516
Ion Ratio Lower Upper
96 100
61 169.8 128.4 192.6
98 66.0 49.1 73.7

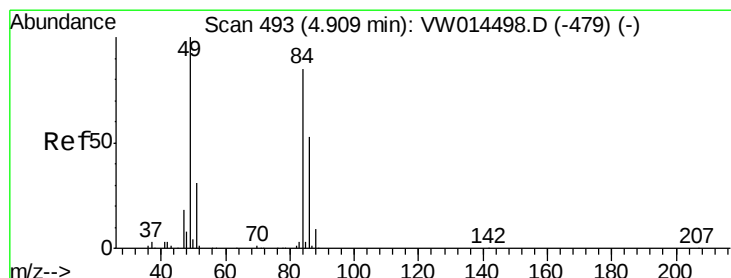
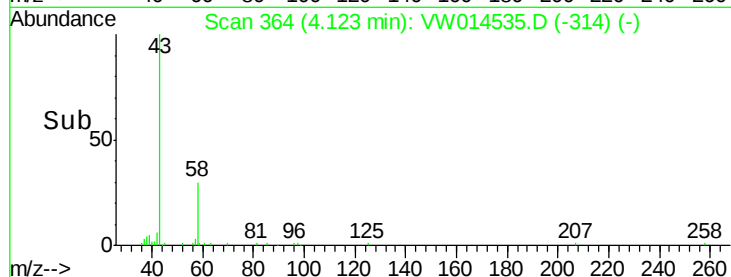
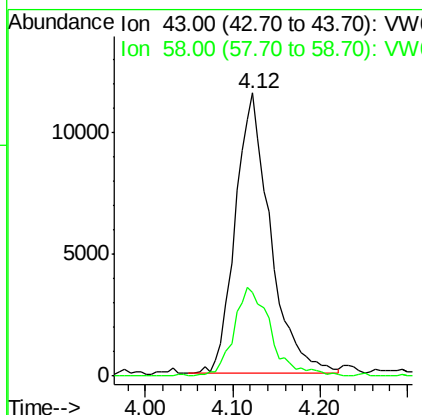
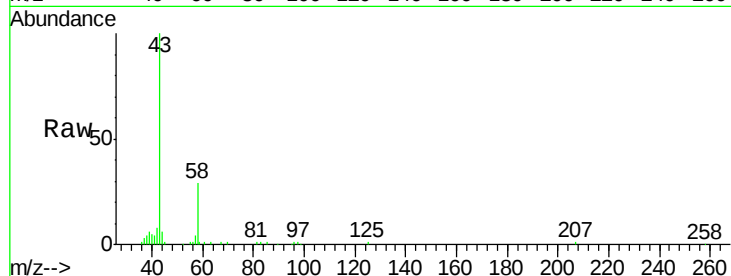




#16
Acetone
Concen: 22.007 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

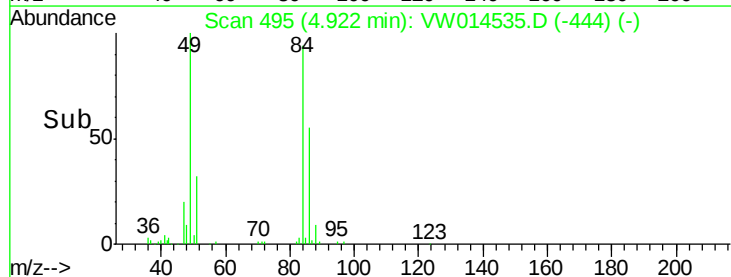
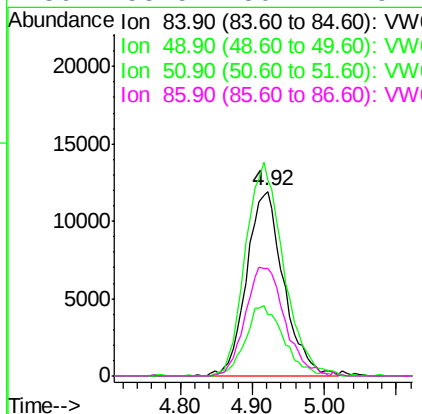
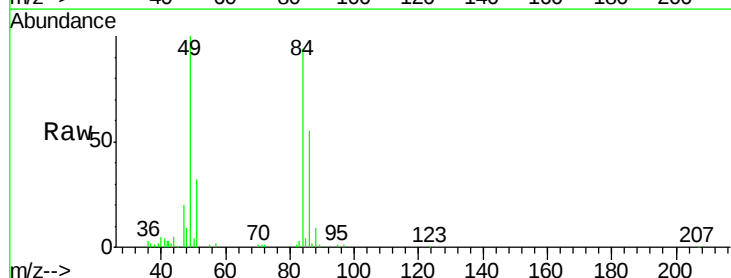
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-24-25

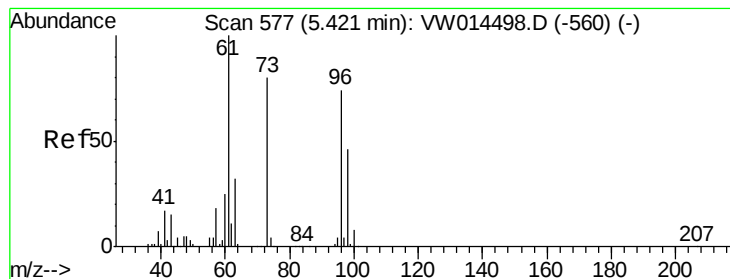
Tgt Ion: 43 Resp: 32076
Ion Ratio Lower Upper
43 100
58 28.9 26.6 39.8



#20
Methylene Chloride
Concen: 2.982 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

Tgt Ion: 84 Resp: 42629
Ion Ratio Lower Upper
84 100
49 105.8 94.4 141.6
51 33.7 29.5 44.3
86 58.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 1.822 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-24-25

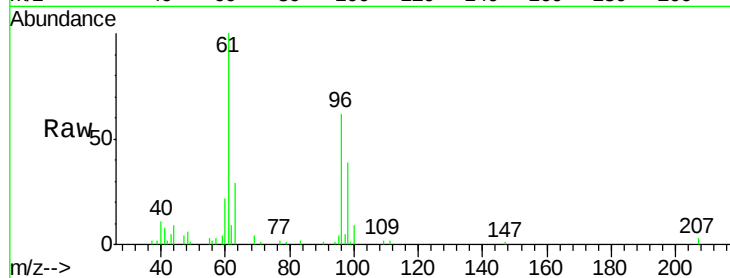
Tgt Ion: 96 Resp: 11367

Ion Ratio Lower Upper

96 100

61 161.5 107.8 161.6

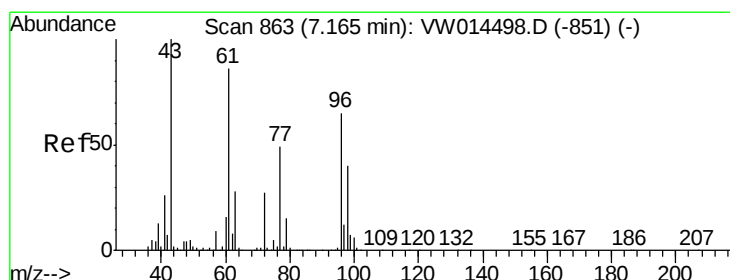
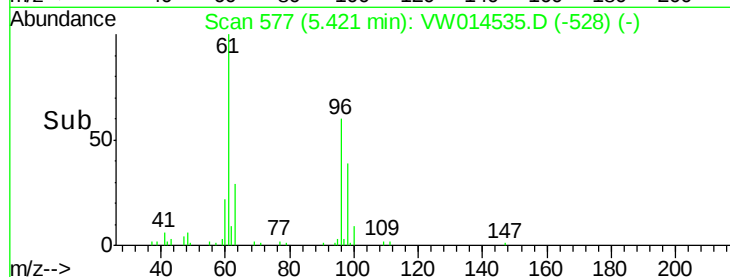
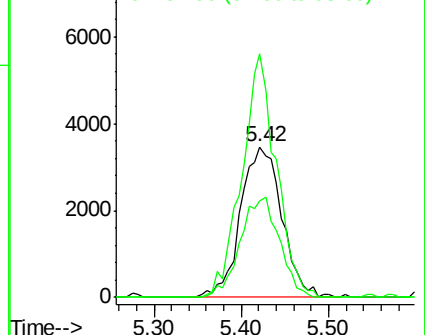
98 63.6 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#25

2-Butanone

Concen: 4.003 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014535.D

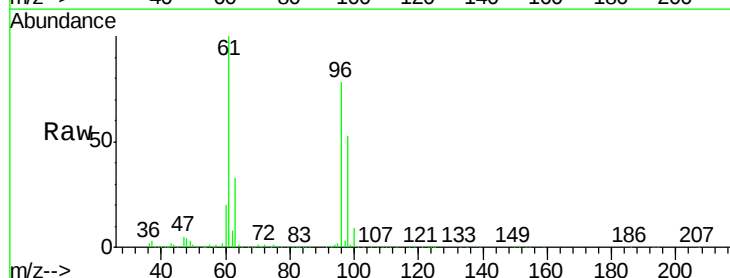
Acq: 06 Jan 2020 20:18

Tgt Ion: 43 Resp: 7487

Ion Ratio Lower Upper

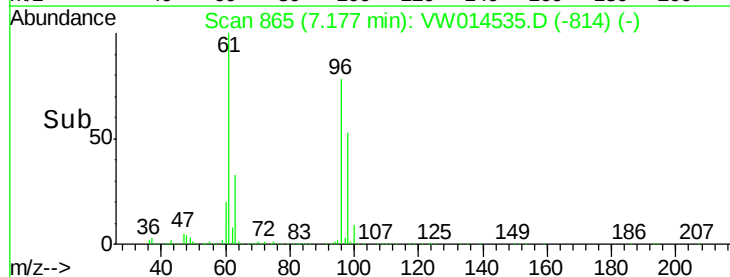
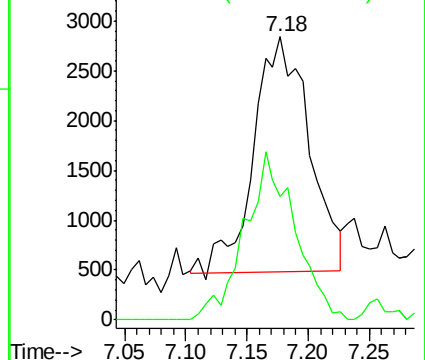
43 100

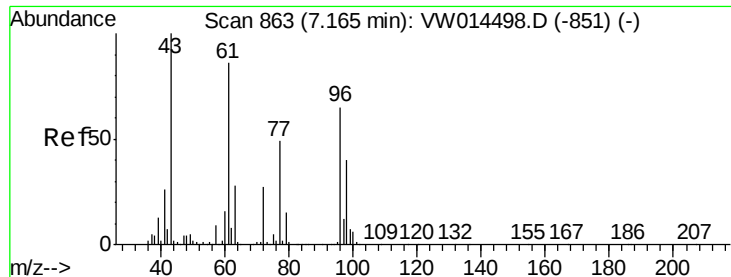
72 52.9 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



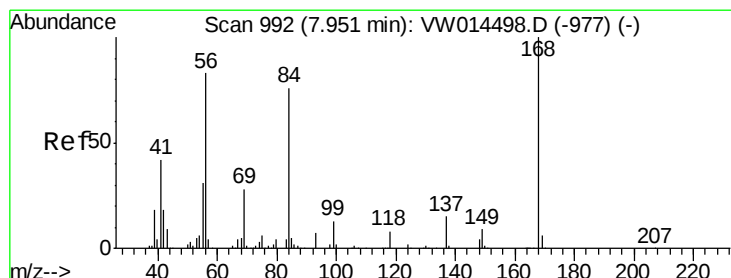
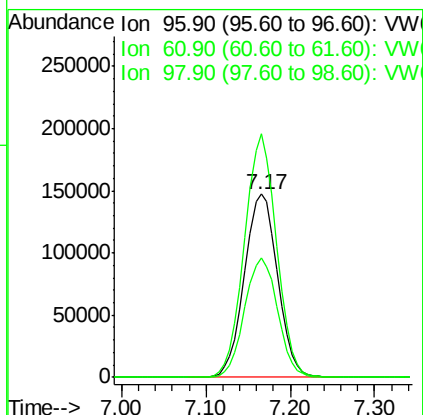
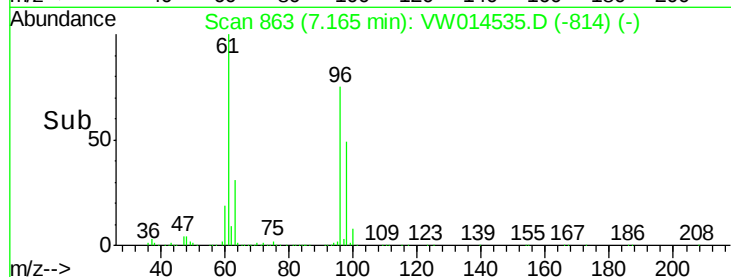
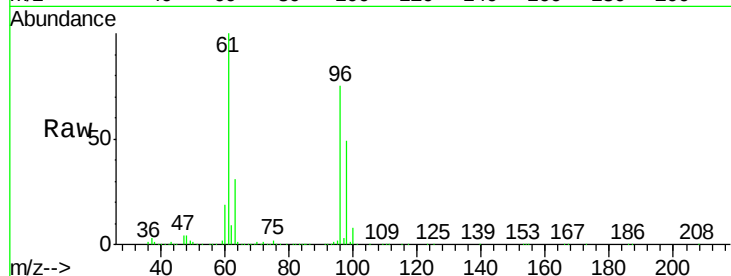


#27

cis-1,2-Dichloroethene
Concen: 60.040 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-24-25

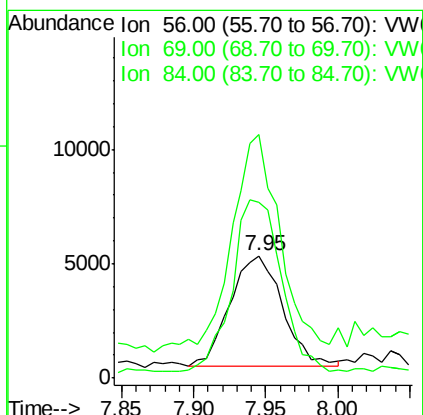
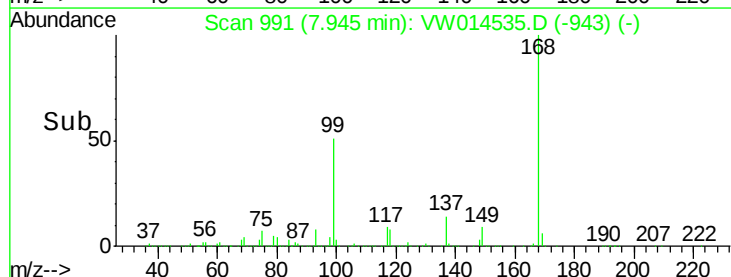
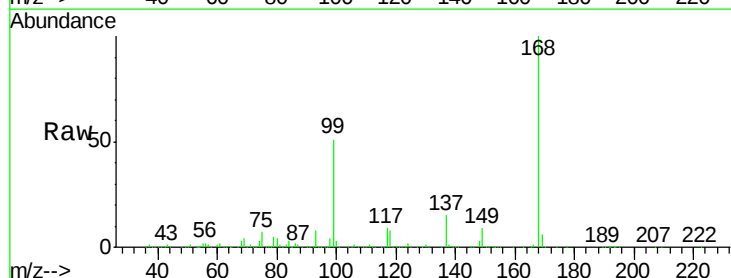
Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	274.8
98	64.8	0.0	128.6

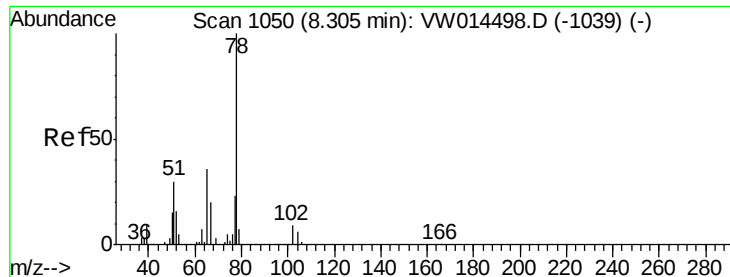


#31

Cyclohexane
Concen: 1.106 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

Tgt Ion	Ratio	Lower	Upper
56	100		
69	186.9	26.8	40.2#
84	153.9	71.8	107.6#

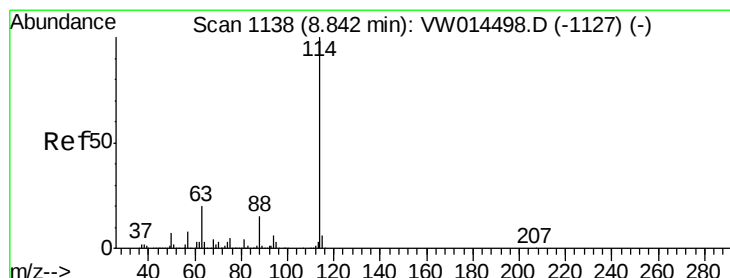
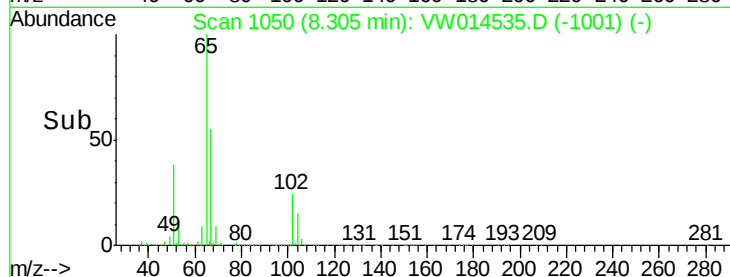
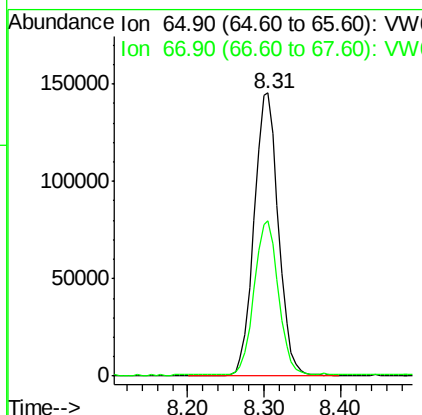
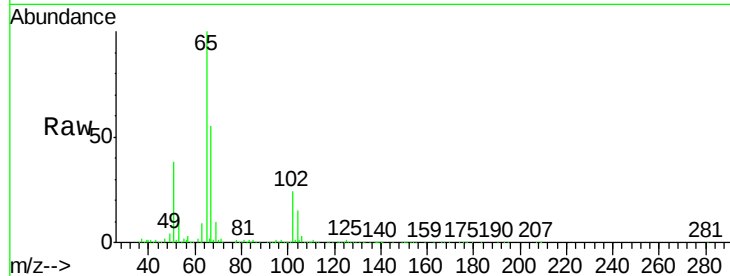




#33
 1,2-Dichloroethane-d4
 Concen: 62.520 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW014535.D
 Acq: 06 Jan 2020 20:18

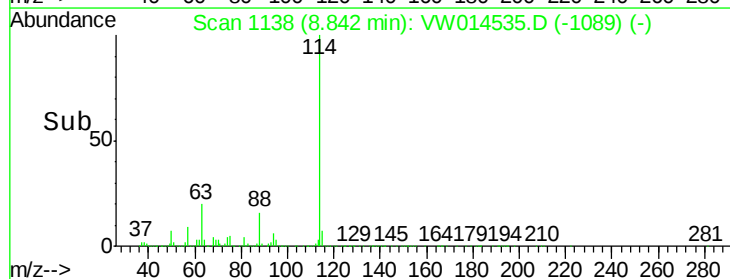
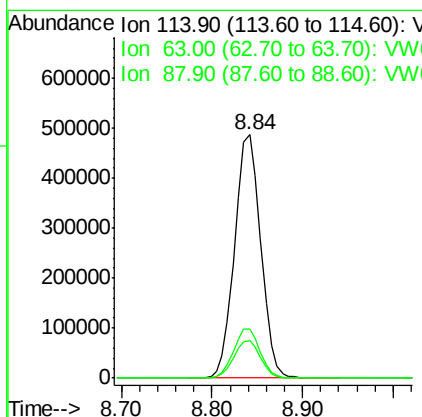
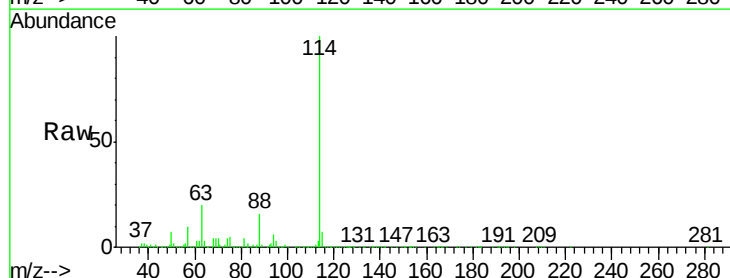
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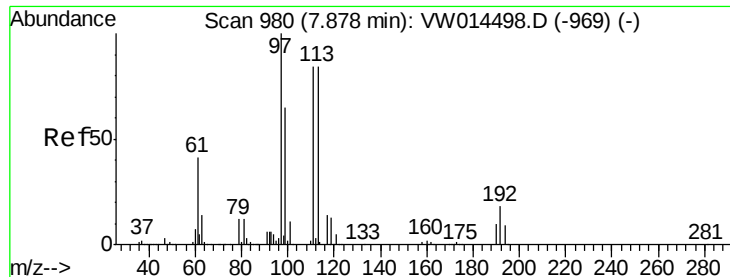
Tgt Ion: 65 Resp: 322725
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014535.D
 Acq: 06 Jan 2020 20:18

Tgt Ion: 114 Resp: 974678
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 15.6 0.0 30.6

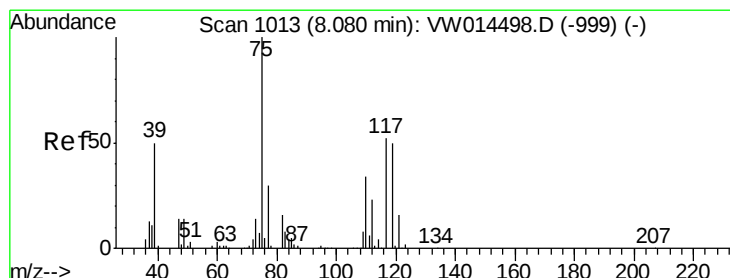
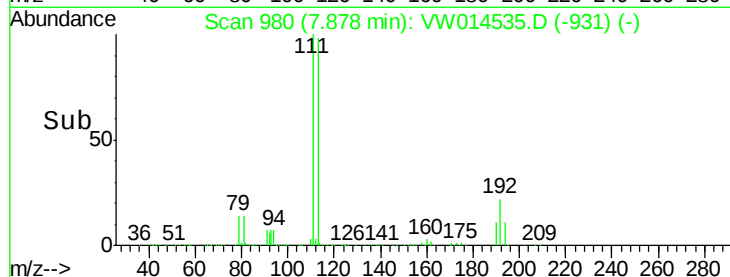
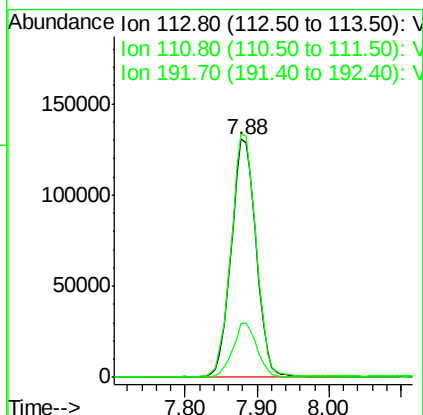
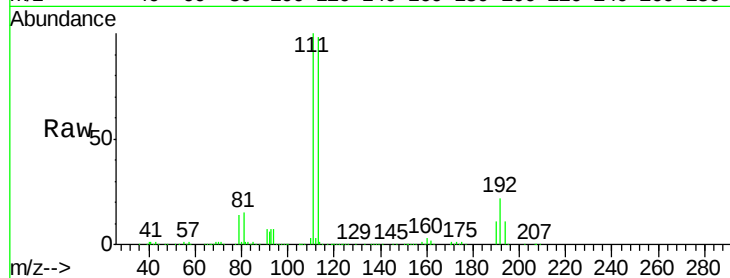




#35
 Dibromofluoromethane
 Concen: 56.288 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014535.D
 Acq: 06 Jan 2020 20:18

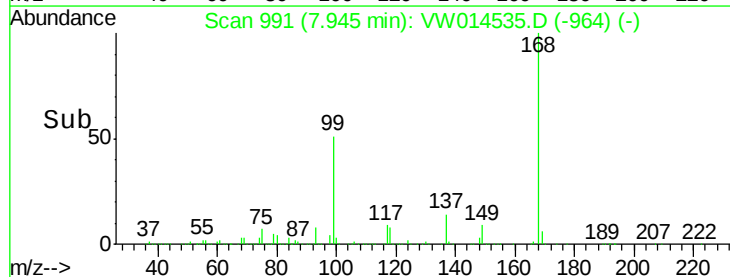
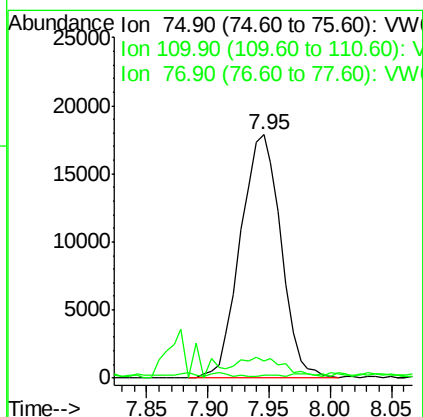
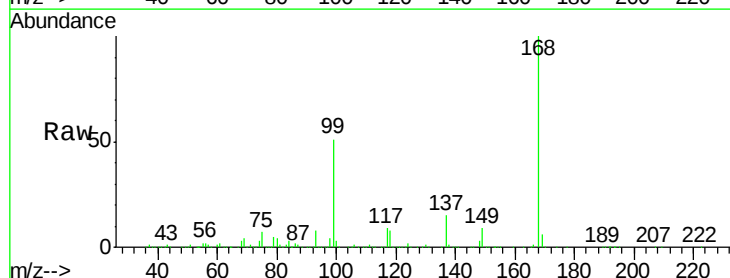
Instrument :
 MSVOA_W
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 WP022SB455_191227-24-25

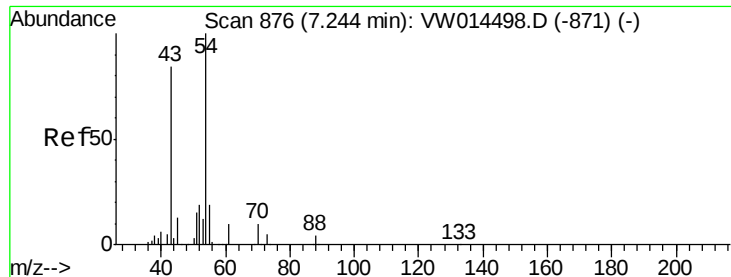
Tgt Ion: 113 Resp: 313548
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.2
 192 22.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.380 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014535.D
 Acq: 06 Jan 2020 20:18

Tgt Ion: 75 Resp: 41156
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.5#
 77 0.4 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.729 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-24-25

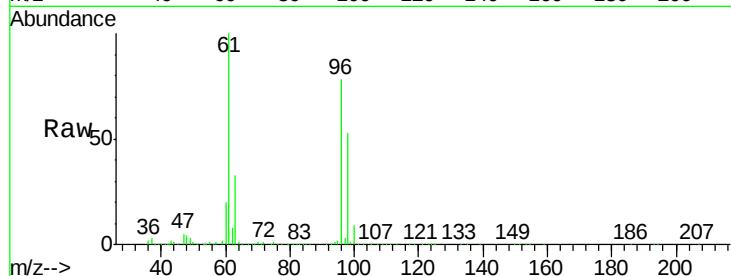
Tgt Ion: 43 Resp: 7369

Ion Ratio Lower Upper

43 100

61 6860.9 11.7 17.5#

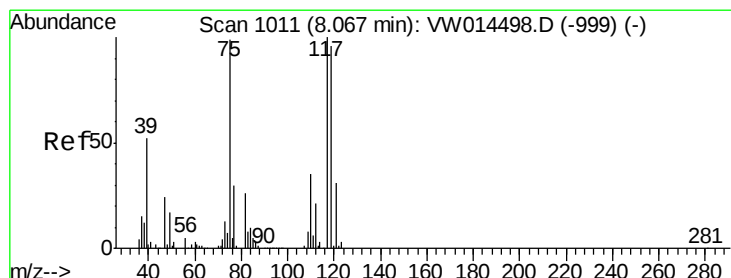
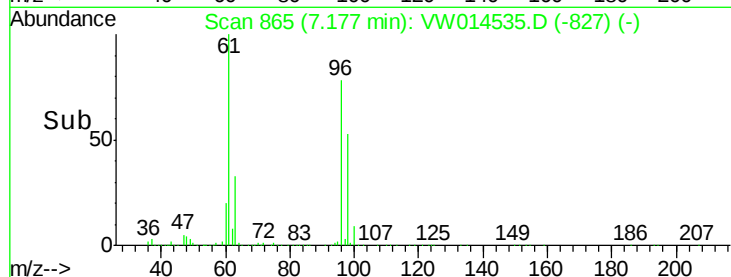
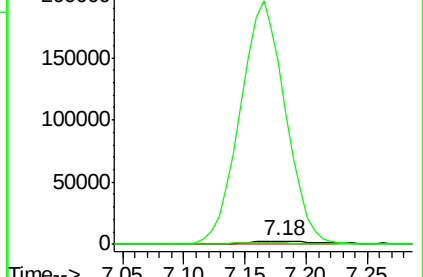
70 74.1 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

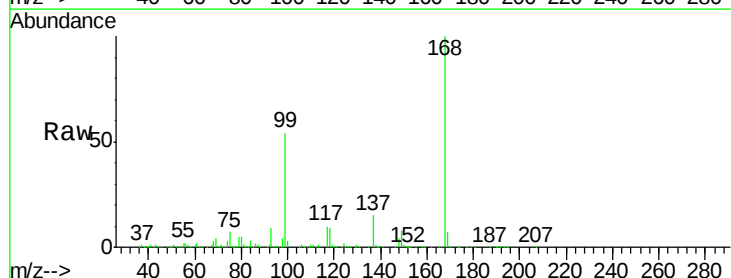
Tgt Ion: 117 Resp: 53012

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

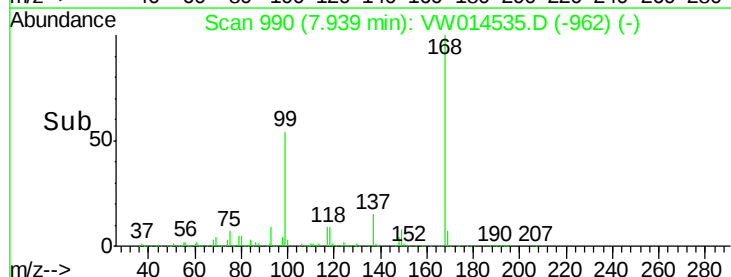
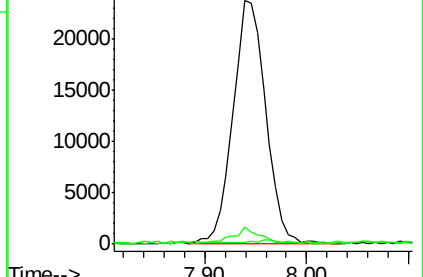
121 0.0 24.6 36.8#

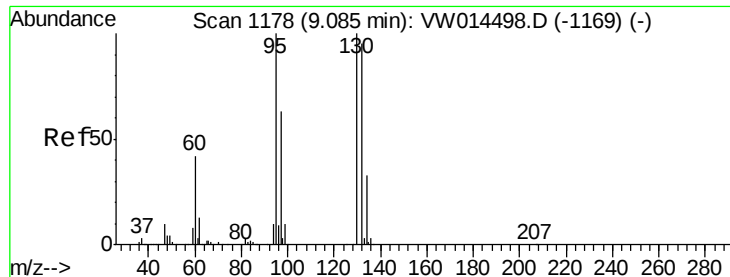


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 33.939 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

Instrument :

MSVOA_W

ClientSampleId :

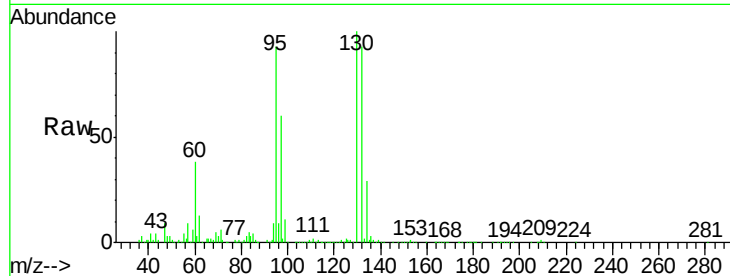
WP022SB455_191227-24-25

Tgt Ion:130 Resp: 244154

Ion Ratio Lower Upper

130 100

95 92.1 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

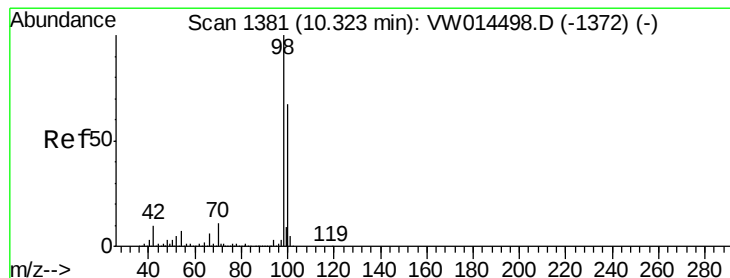
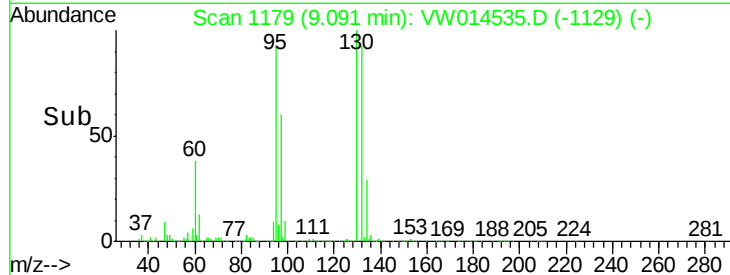
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 48.085 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014535.D

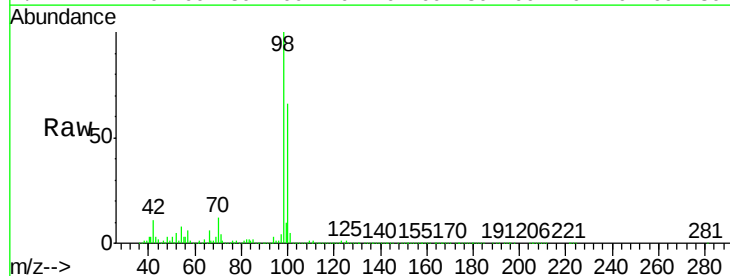
Acq: 06 Jan 2020 20:18

Tgt Ion: 98 Resp: 1117823

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

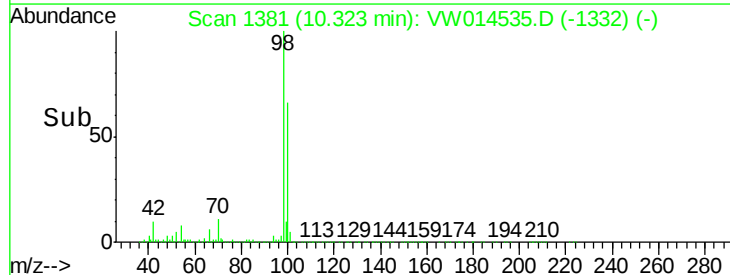
600000

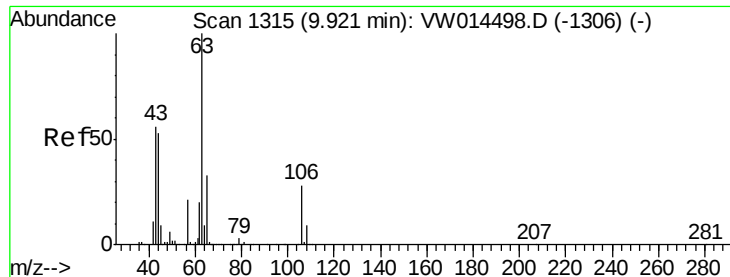
400000

200000

0

Time-->

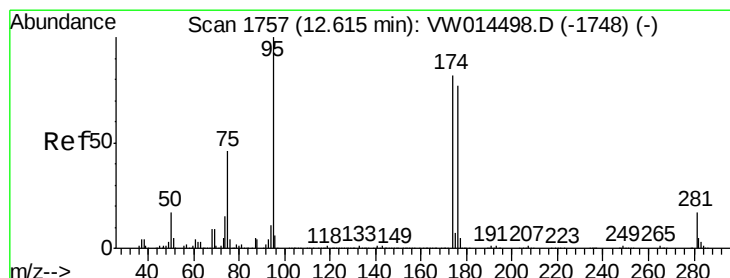
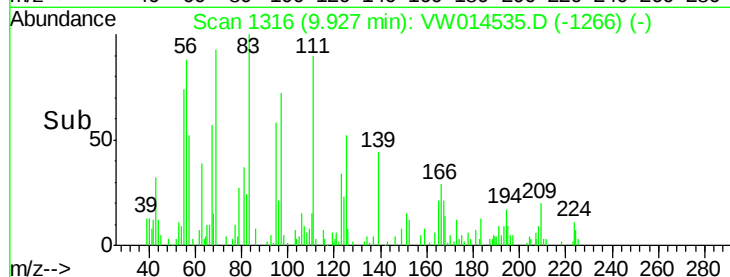
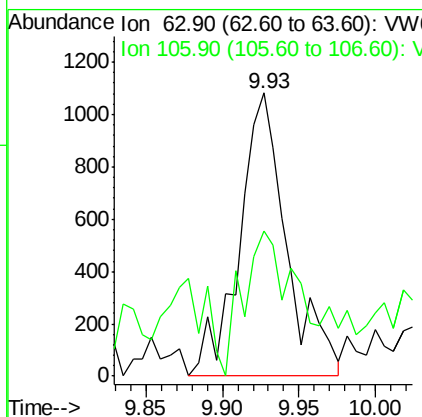
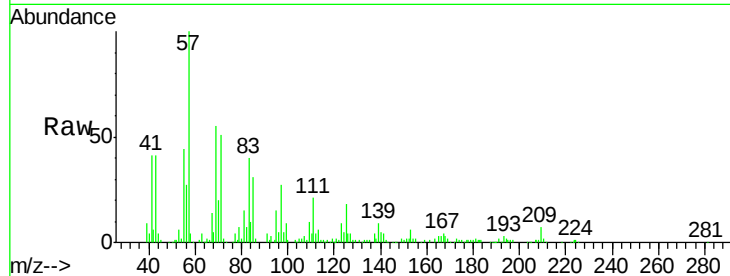




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.259 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW014535.D
 Acq: 06 Jan 2020 20:18

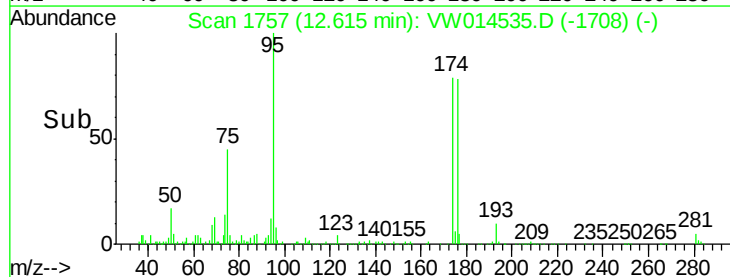
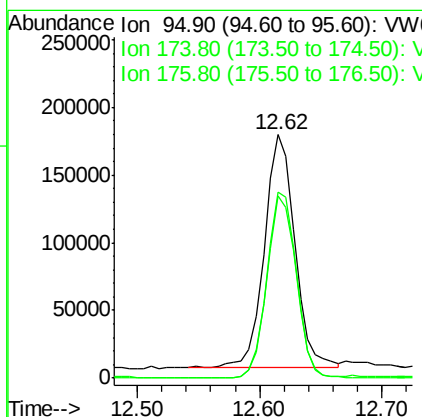
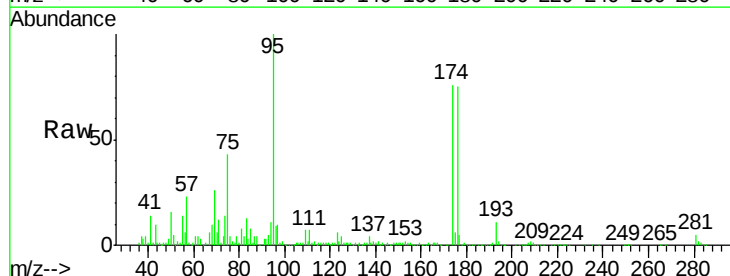
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-24-25

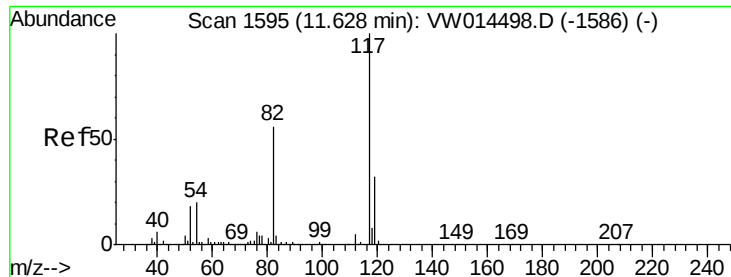
Tgt Ion: 63 Resp: 2340
 Ion Ratio Lower Upper
 63 100
 106 56.3 23.0 34.6#



#62
 4-Bromofluorobenzene
 Concen: 37.913 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014535.D
 Acq: 06 Jan 2020 20:18

Tgt Ion: 95 Resp: 298947
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 168.6
 176 75.3 0.0 162.0

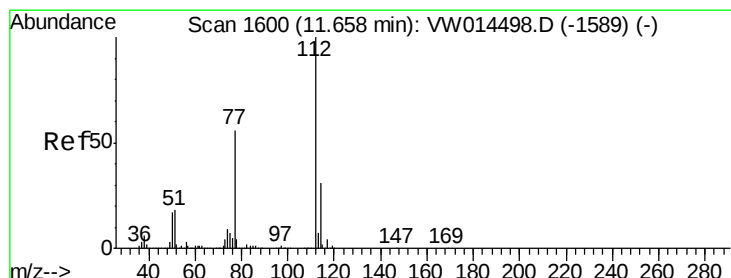
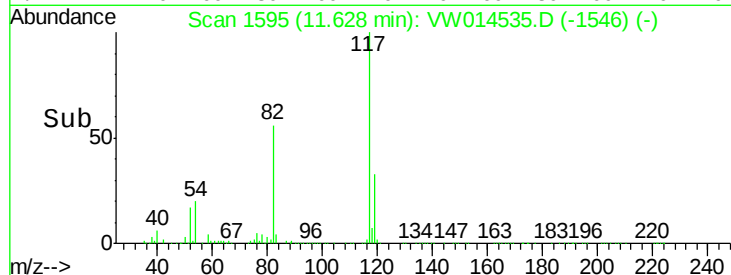
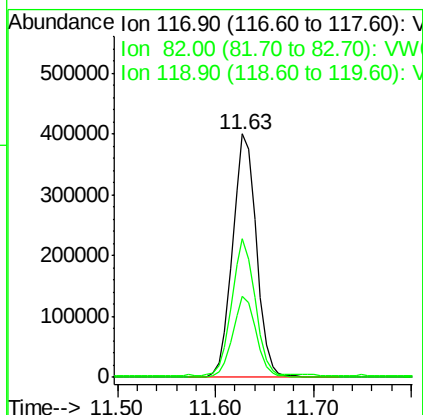
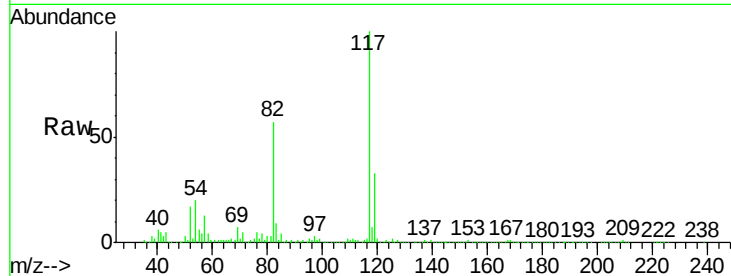




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

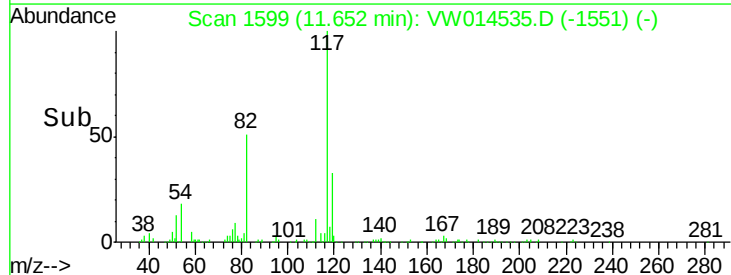
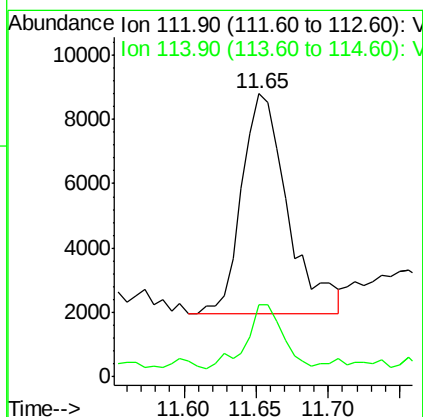
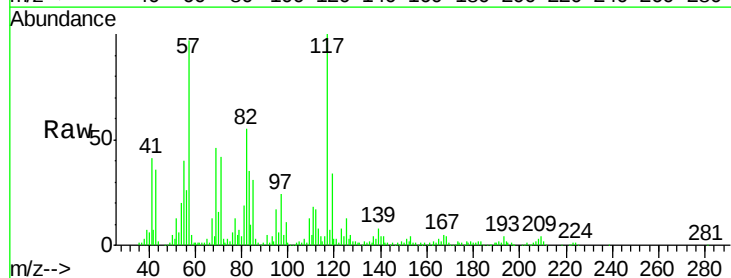
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-24-25

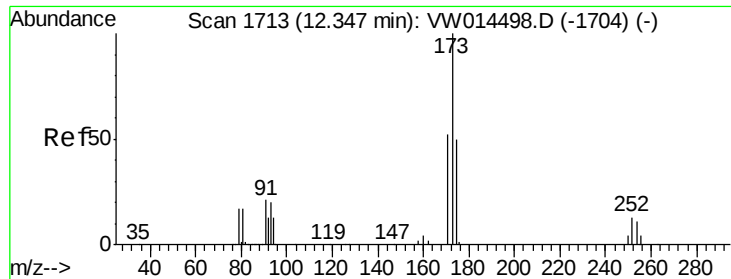
Tgt Ion:117 Resp: 671888
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 33.1 25.7 38.5



#65
Chlorobenzene
Concen: 1.102 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

Tgt Ion:112 Resp: 15164
Ion Ratio Lower Upper
112 100
114 25.8 24.6 37.0

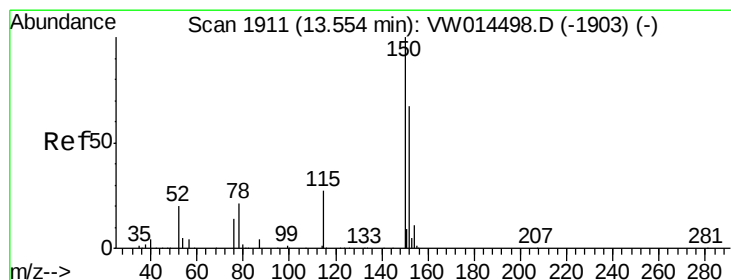
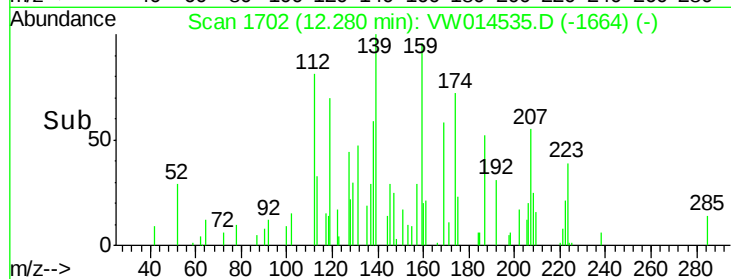
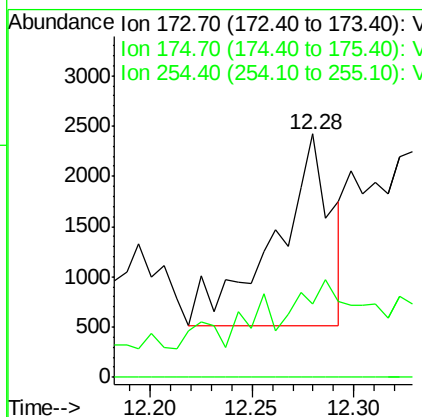
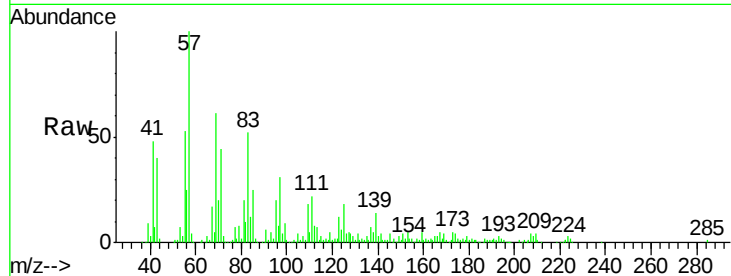




#71
Bromoform
Concen: 1.444 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.07 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

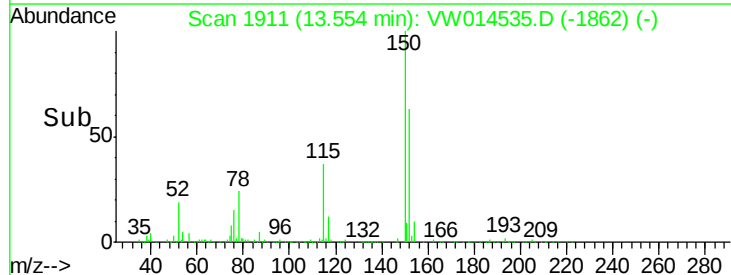
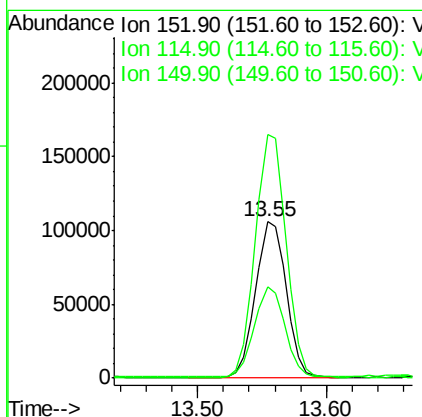
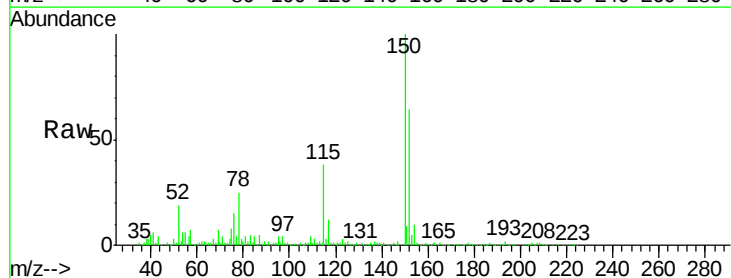
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-24-25

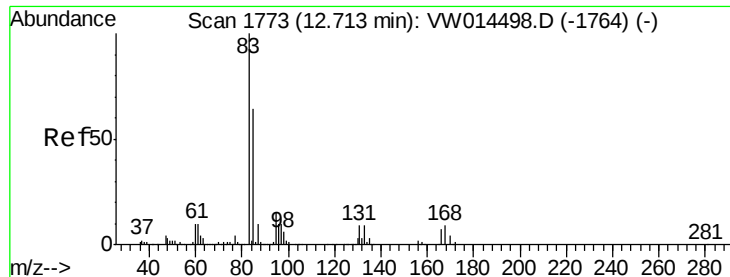
Tgt Ion:173 Resp: 3650
Ion Ratio Lower Upper
173 100
175 29.3 24.5 73.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014535.D
Acq: 06 Jan 2020 20:18

Tgt Ion:152 Resp: 173610
Ion Ratio Lower Upper
152 100
115 57.2 27.7 83.1
150 156.4 0.0 343.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.317 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.23 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-24-25

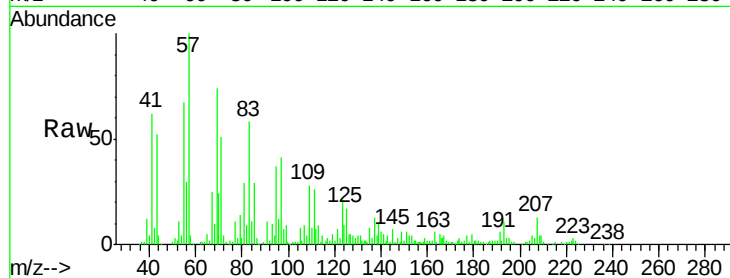
Tgt Ion: 83 Resp: 7627

Ion Ratio Lower Upper

83 100

131 6.7 5.1 15.4

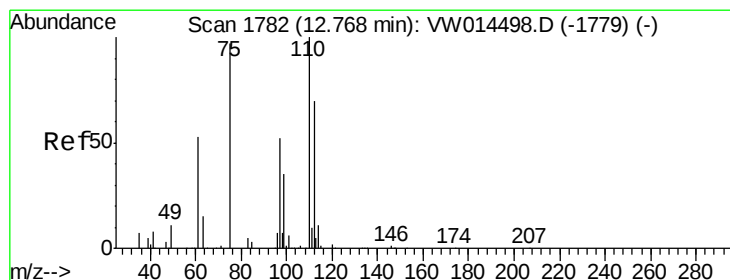
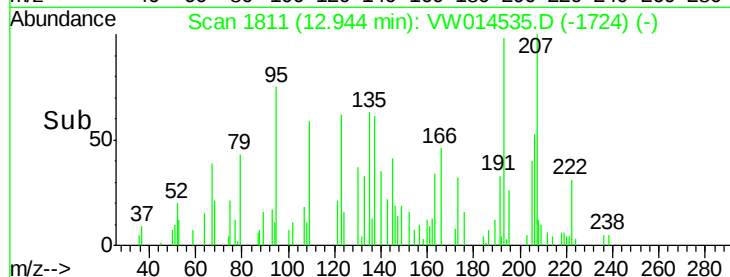
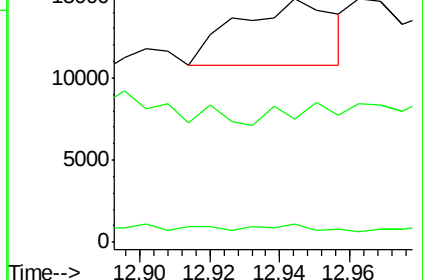
85 33.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 79.002 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014535.D

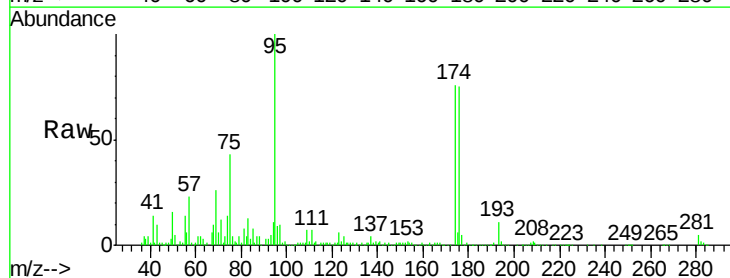
Acq: 06 Jan 2020 20:18

Tgt Ion: 75 Resp: 129678

Ion Ratio Lower Upper

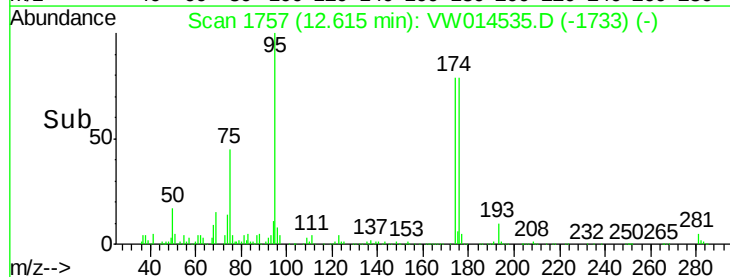
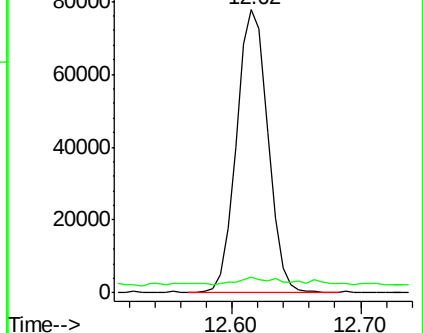
75 100

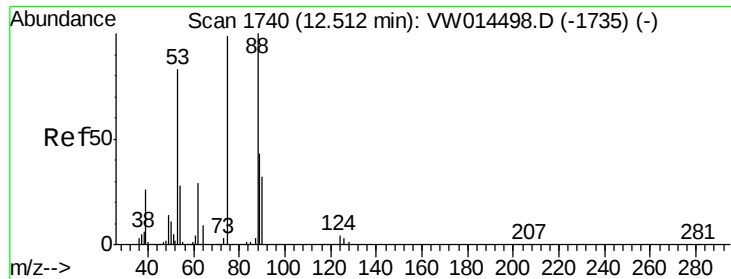
77 3.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 176.019 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014535.D

Acq: 06 Jan 2020 20:18

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-24-25

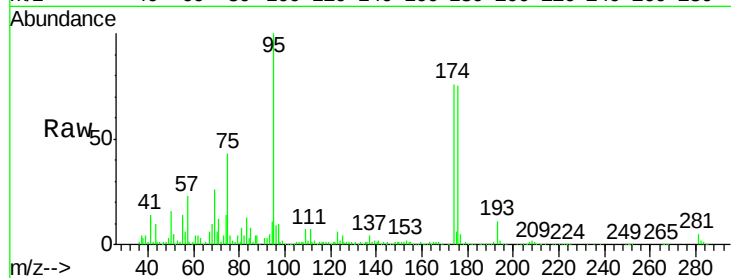
Tgt Ion: 75 Resp: 129678

Ion Ratio Lower Upper

75 100

53 3.8 70.9 106.3#

89 0.3 35.8 53.8#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

