

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014587.D
 Acq On : 09 Jan 2020 17:21
 Operator : SY/VA
 Sample : L1063-02
 Misc : 8.69G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 10 00:48:25 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	516422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	816828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	587747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	204168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	284772	63.07	ug/l	0.00
Spiked Amount			Recovery	=	126.14%	
35) Dibromofluoromethane	7.88	113	272581	58.39	ug/l	0.00
Spiked Amount			Recovery	=	116.78%	
50) Toluene-d8	10.32	98	979276	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	268145	40.58	ug/l	0.00
Spiked Amount			Recovery	=	81.16%	

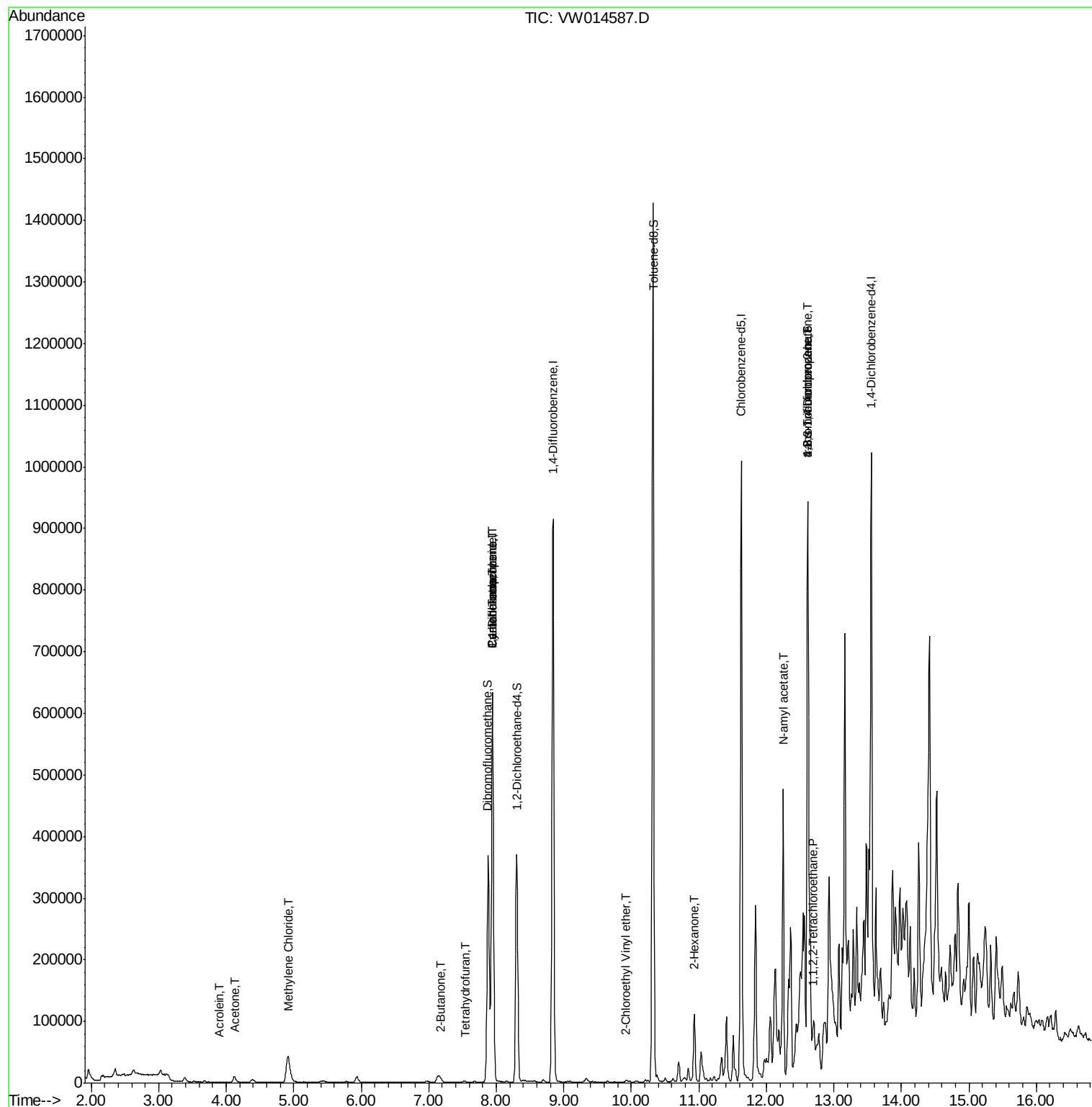
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	1883	Below Cal	#	78
13) Acrolein	3.90	56	459	1.165	ug/l #	66
16) Acetone	4.12	43	17212	13.500	ug/l	99
20) Methylene Chloride	4.91	84	39914	3.542	ug/l	97
25) 2-Butanone	7.18	43	3582	2.189	ug/l	96
29) Tetrahydrofuran	7.54	42	1300	1.283	ug/l #	72
31) Cyclohexane	7.94	56	10588	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	35146	4.463	ug/l #	49
38) Carbon Tetrachloride	7.95	117	47250	6.916	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.92	63	1841	1.182	ug/l	98
59) 2-Hexanone	10.93	43	38091	16.414	ug/l #	26
74) N-amyl acetate	12.25	43	93016	27.691	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.68	83	6426	2.377	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	124942	64.724	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	124942	144.208	ug/l #	15

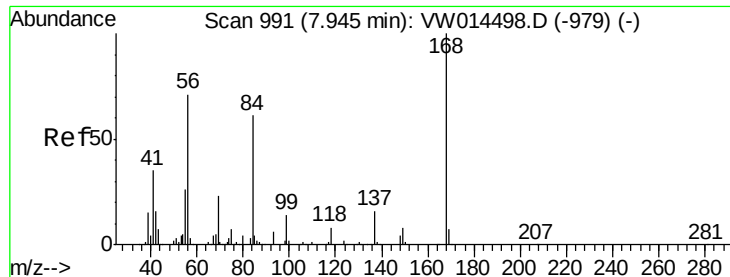
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
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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: VW014587.D

Acq: 09 Jan 2020 17:21

Instrument :

MSVOA_W

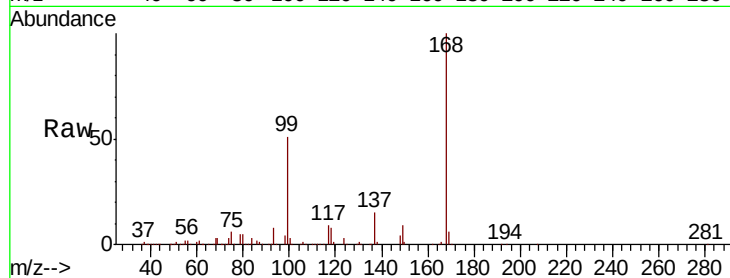
ClientSampleId :

Tot Ion:168 Resp: 516422

Ion Ratio Lower Upper

168 100

99 50.6 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

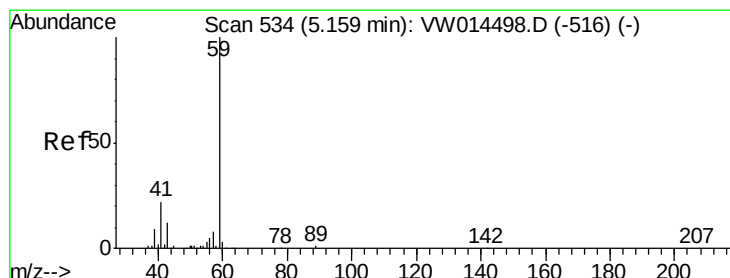
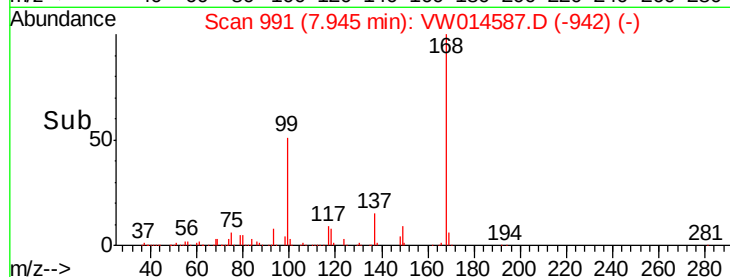
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW014587.D

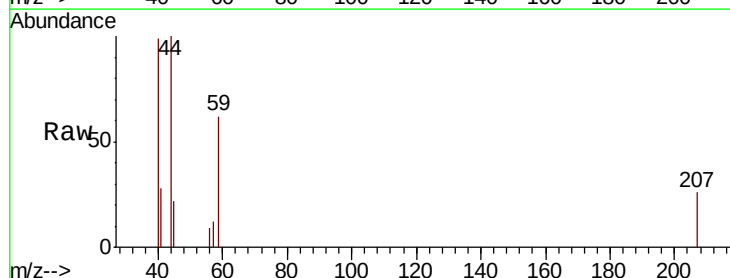
Acq: 09 Jan 2020 17:21

Tgt Ion: 59 Resp: 1883

Ion Ratio Lower Upper

59 100

57 1.6 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

500

400

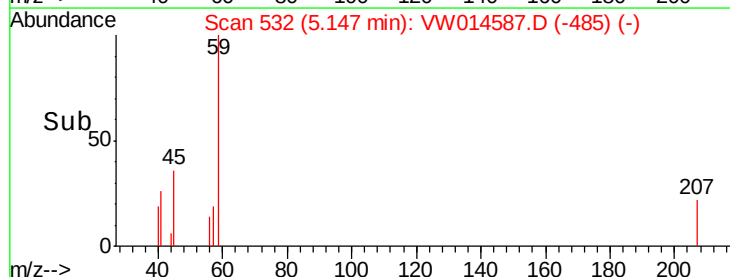
300

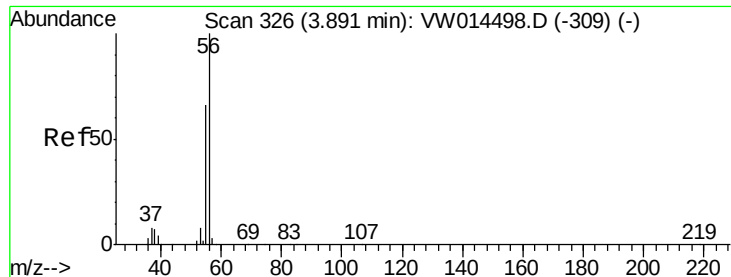
200

100

0

Time-->





#13

Acrolein

Concen: 1.165 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014587.D

Acq: 09 Jan 2020 17:21

Instrument :

MSVOA_W

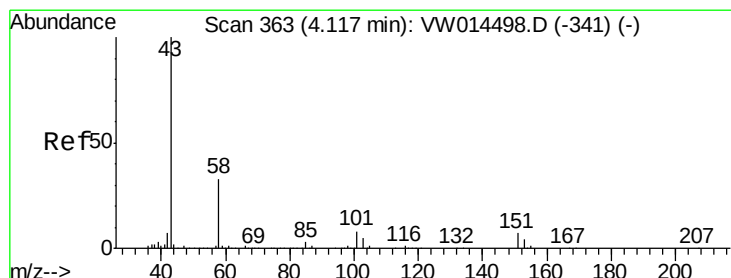
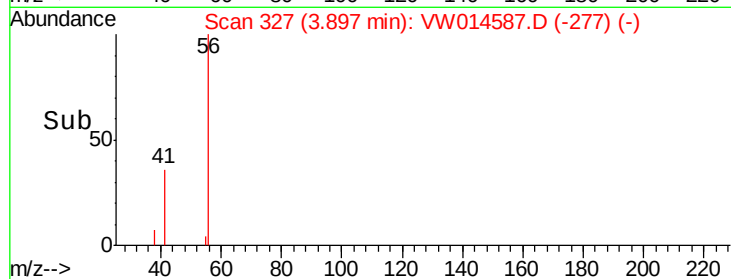
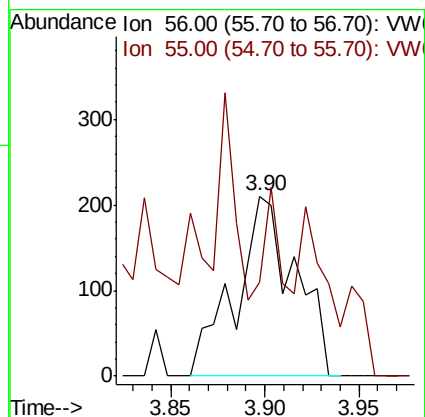
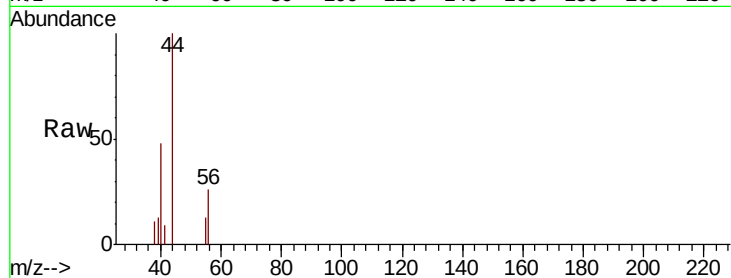
ClientSampled :

Tot Ion: 56 Resp: 459

Ion Ratio Lower Upper

56 100

55 42.7 56.7 85.1#



#16

Acetone

Concen: 13.500 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014587.D

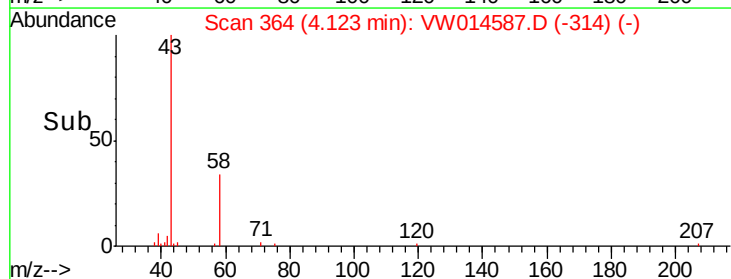
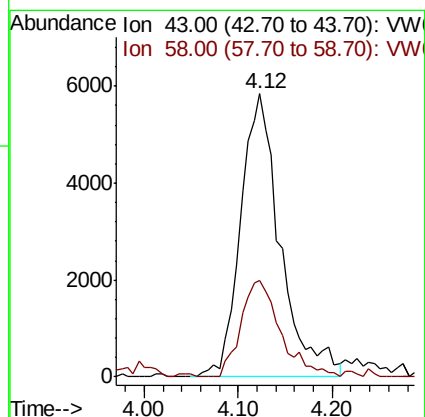
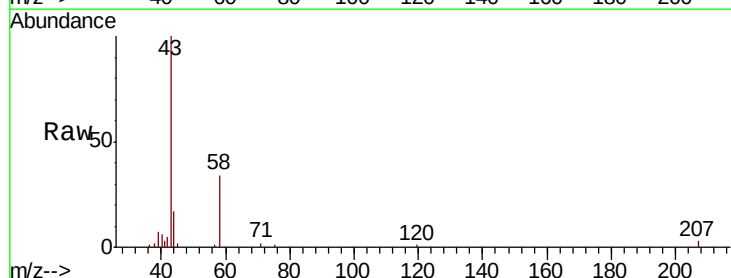
Acq: 09 Jan 2020 17:21

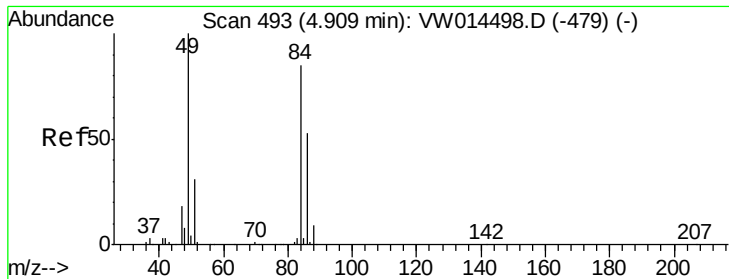
Tgt Ion: 43 Resp: 17212

Ion Ratio Lower Upper

43 100

58 34.0 26.6 39.8

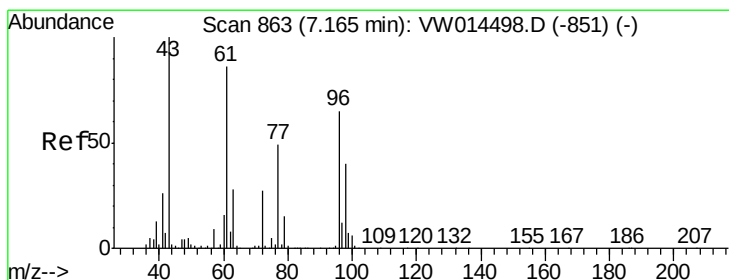
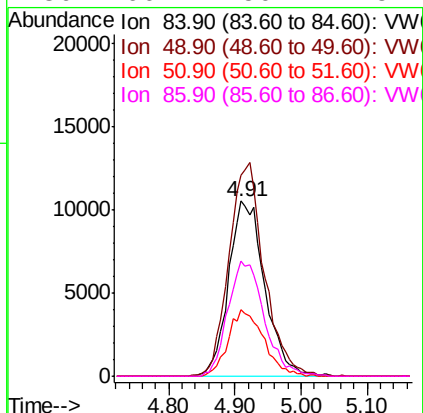
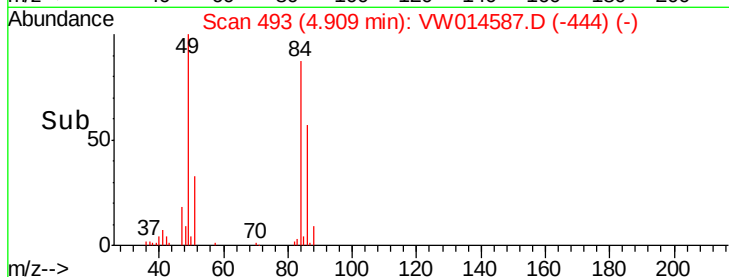
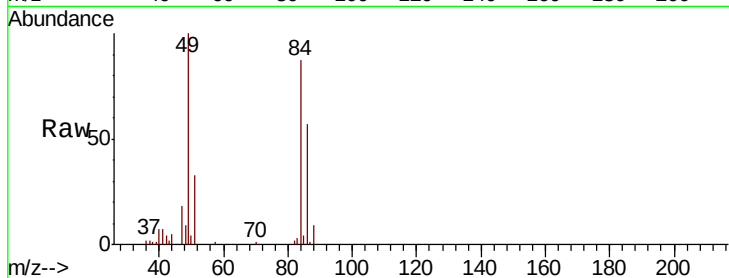




#20
Methvlene Chloride
Concen: 3.542 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

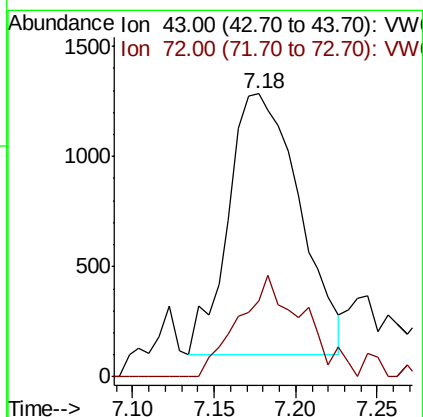
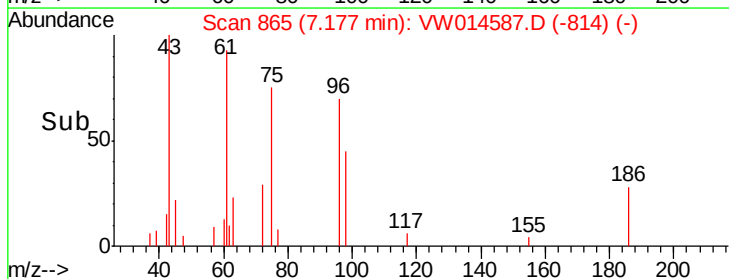
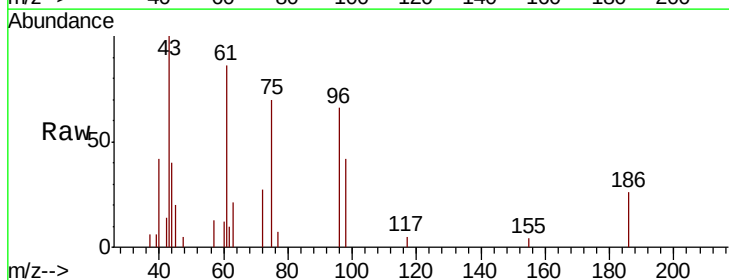
Instrument :
MSVOA_W
ClientSampleId :

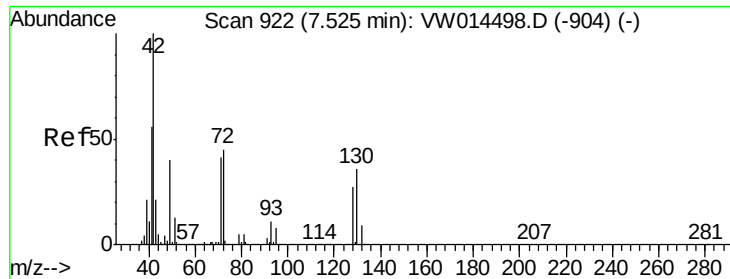
Tot Ion:	84	Resp:	39914
Ion	Ratio	Lower	Upper
84	100		
49	115.1	94.4	141.6
51	37.9	29.5	44.3
86	66.1	50.2	75.2



#25
2-Butanone
Concen: 2.189 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

Tgt Ion:	43	Resp:	3582
Ion	Ratio	Lower	Upper
43	100		
72	29.2	21.9	32.9

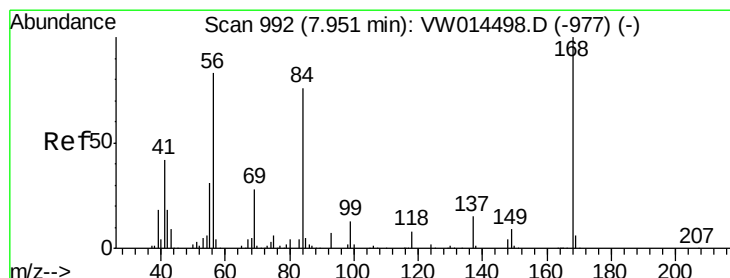
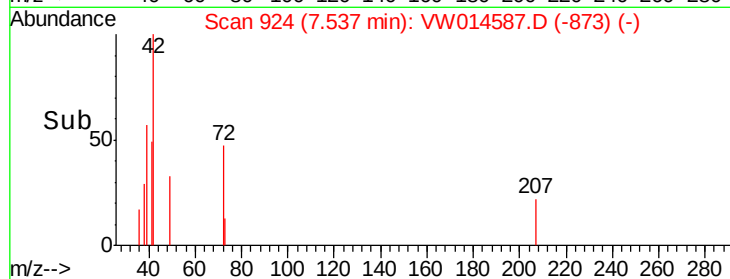
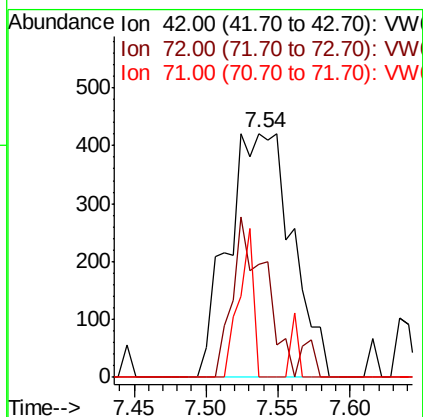
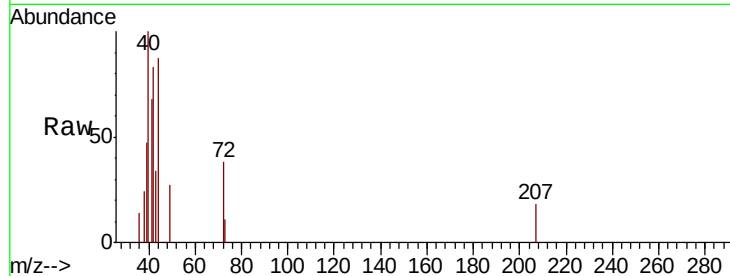




#29
Tetrahydrofuran
Concen: 1.283 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

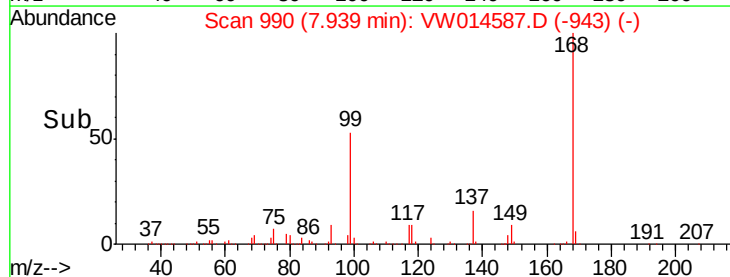
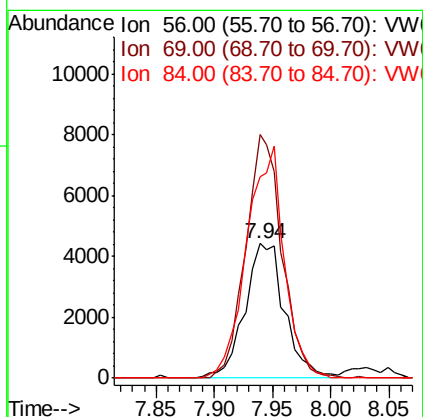
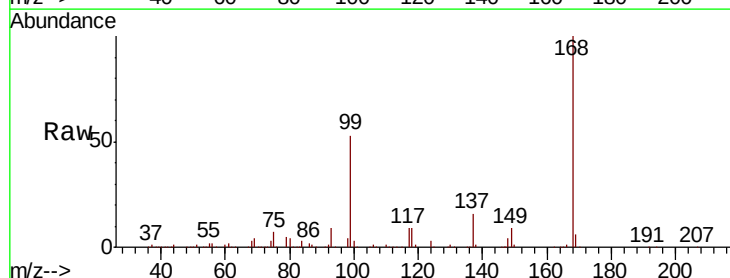
Instrument :
MSVOA_W
ClientSampled :

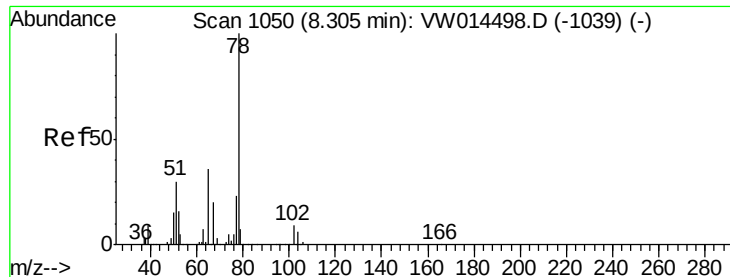
Tot Ion: 42 Resp: 1300
Ion Ratio Lower Upper
42 100
72 33.8 34.5 51.7#
71 14.1 32.0 48.0#



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

Tgt Ion: 56 Resp: 10588
Ion Ratio Lower Upper
56 100
69 181.0 26.8 40.2#
84 150.1 71.8 107.6#

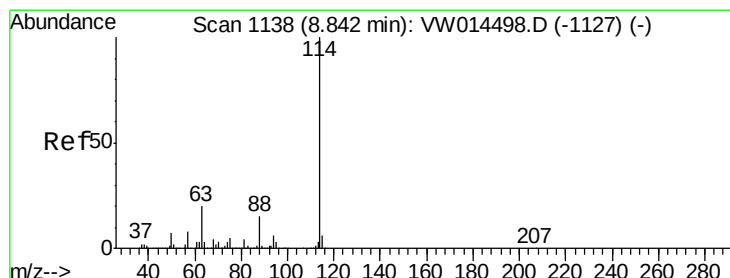
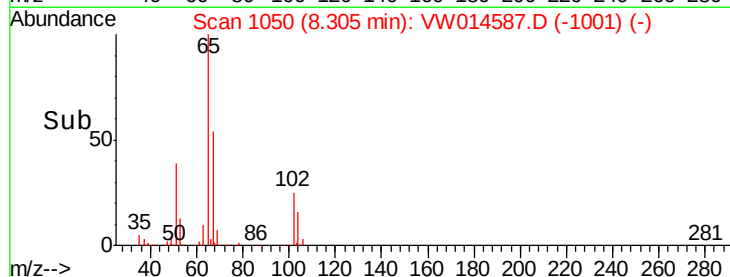
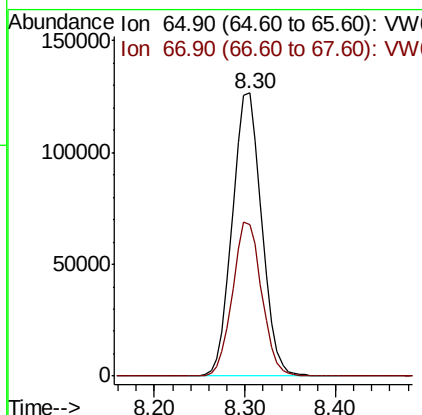
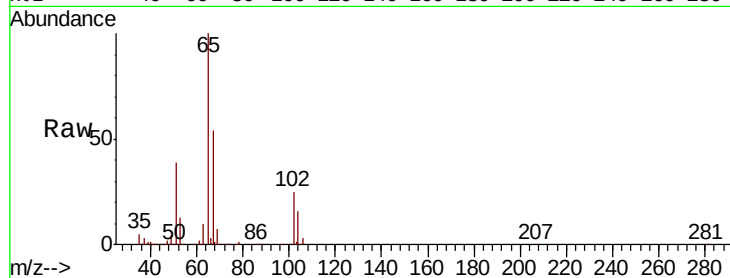




#33
 1,2-Dichloroethane-d4
 Concen: 63.070 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW014587.D
 Acq: 09 Jan 2020 17:21

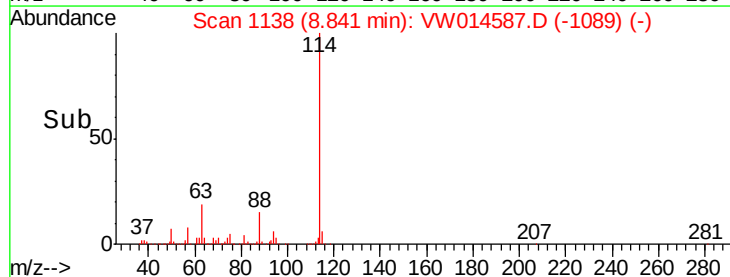
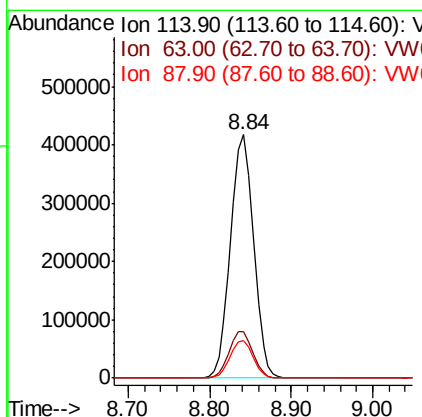
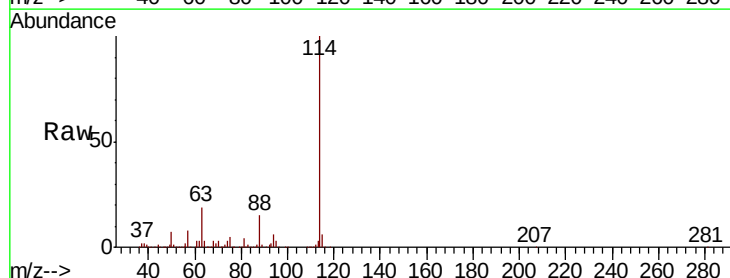
Instrument :
 MSVOA_W
 ClientSampleId :

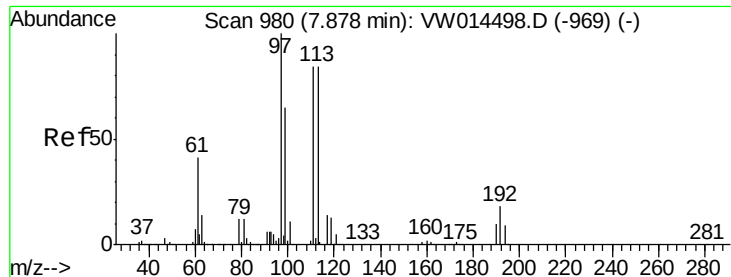
Tot Ion: 65 Resp: 284772
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014587.D
 Acq: 09 Jan 2020 17:21

Tgt Ion: 114 Resp: 816828
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.4
 88 15.4 0.0 30.6

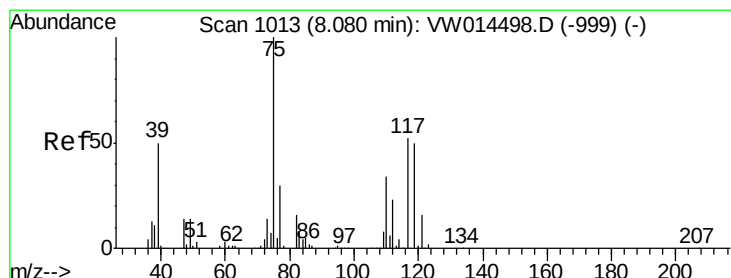
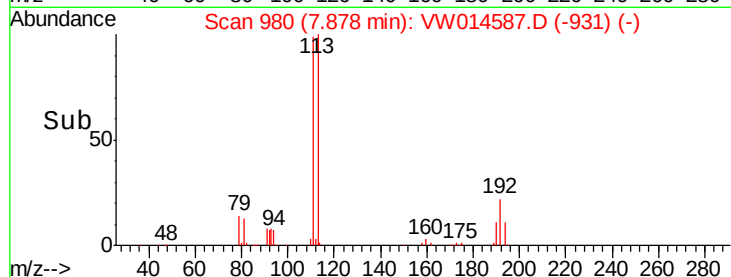
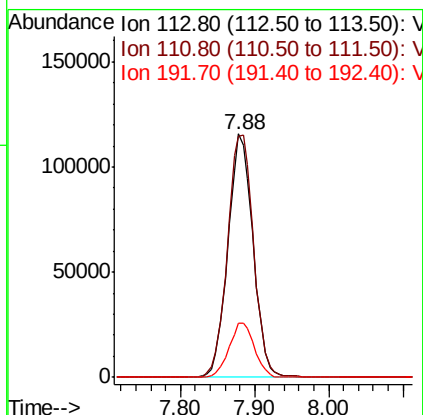
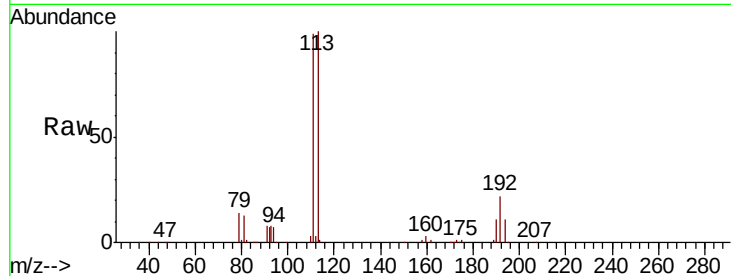




#35
 Dibromofluoromethane
 Concen: 58.390 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014587.D
 Acq: 09 Jan 2020 17:21

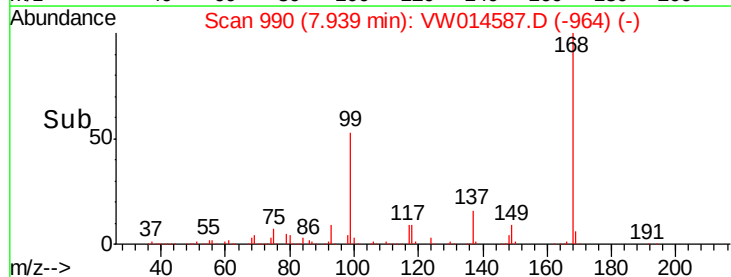
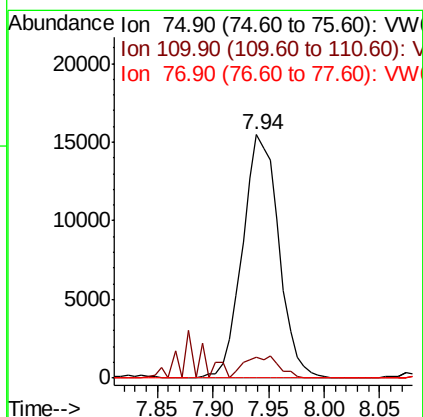
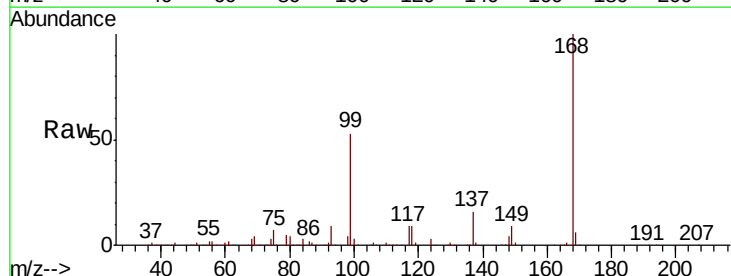
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 ClientSampleId :

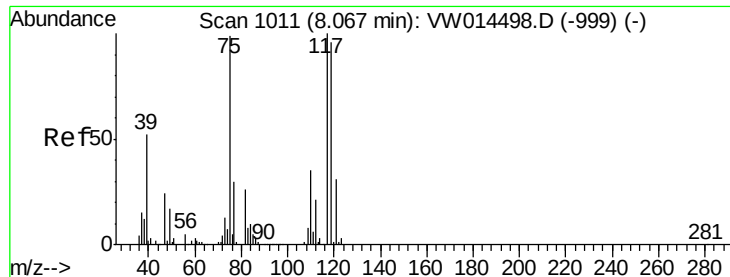
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.2
192	22.8	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014587.D
 Acq: 09 Jan 2020 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.5#
77	0.0	24.7	37.1#

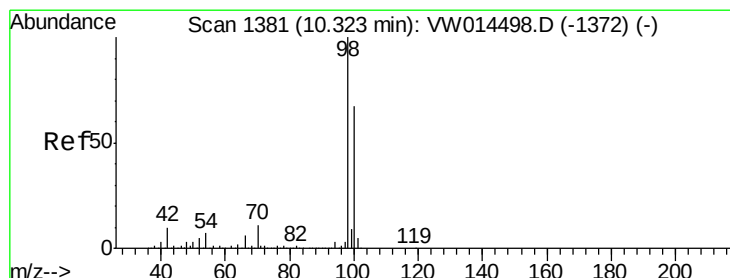
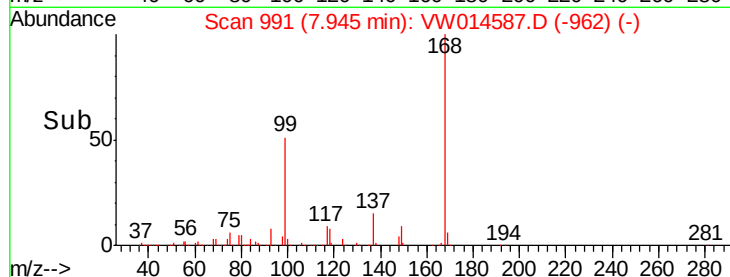
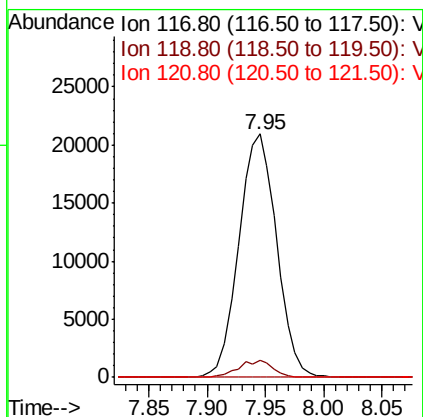
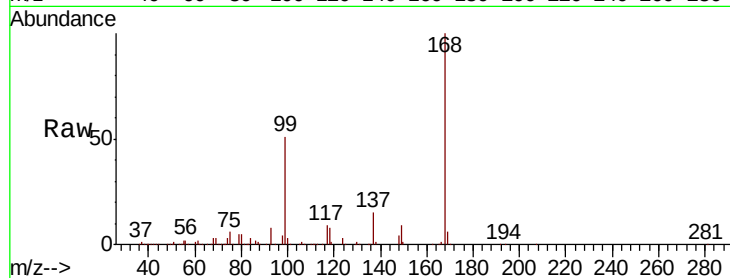




#38
Carbon Tetrachloride
Concen: 6.916 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

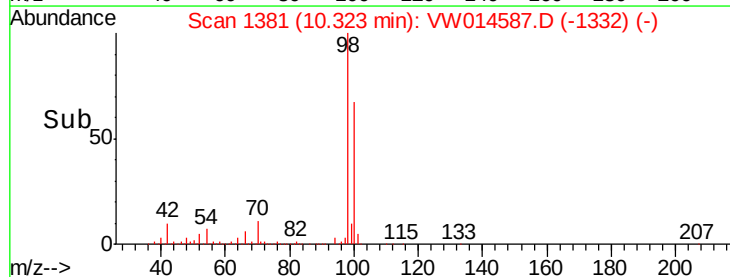
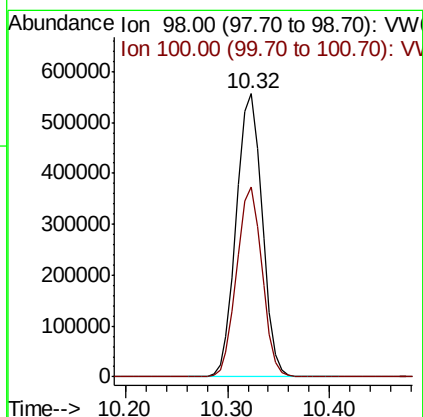
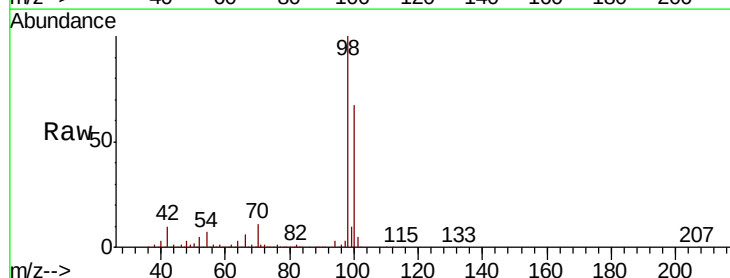
Instrument :
MSVOA_W
ClientSampled :

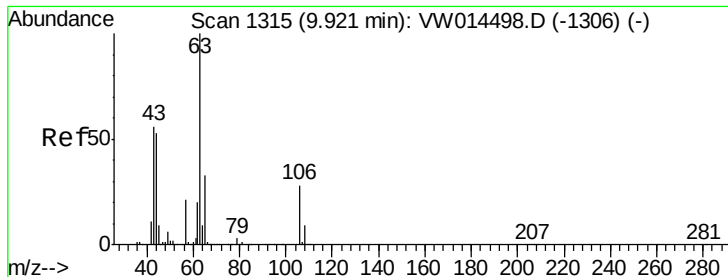
Tot Ion:117 Resp: 47250
Ion Ratio Lower Upper
117 100
119 6.8 77.0 115.6#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 50.266 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

Tgt Ion: 98 Resp: 979276
Ion Ratio Lower Upper
98 100
100 65.7 53.8 80.6





#58

2-Chloroethyl Vinyl ether

Concen: 1.182 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014587.D

Acq: 09 Jan 2020 17:21

Instrument :

MSVOA_W

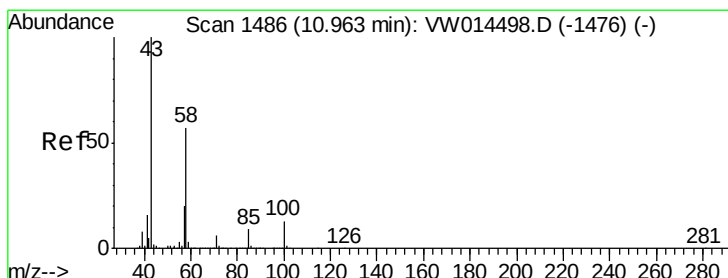
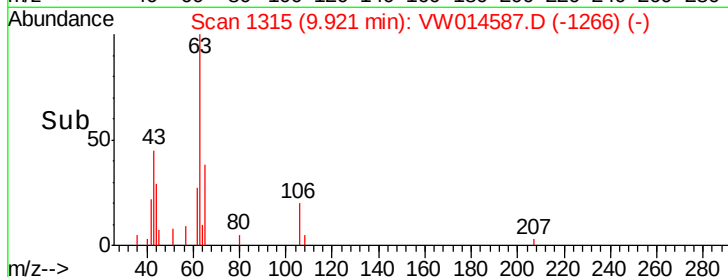
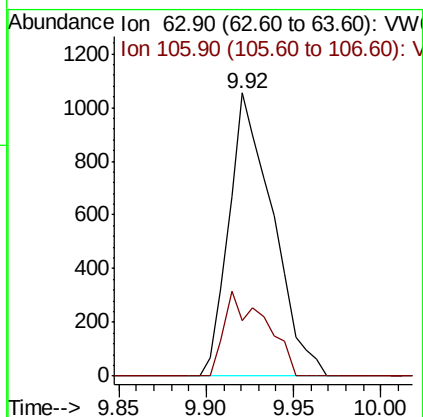
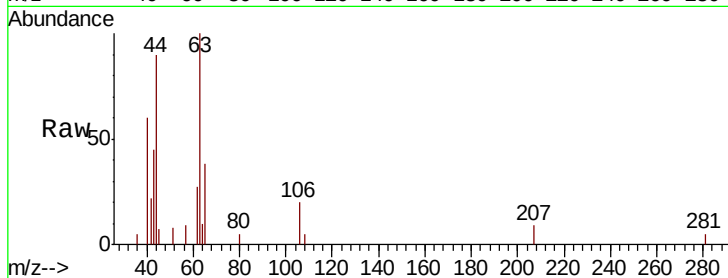
ClientSampleId :

Tot Ion: 63 Resp: 1841

Ion Ratio Lower Upper

63 100

106 27.9 23.0 34.6



#59

2-Hexanone

Concen: 16.414 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.03 min

Lab File: VW014587.D

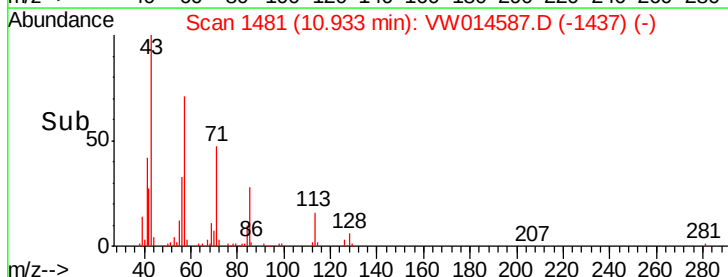
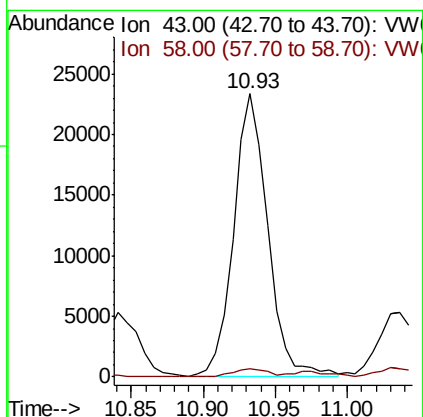
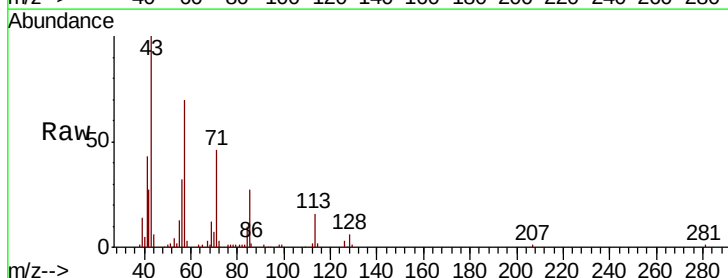
Acq: 09 Jan 2020 17:21

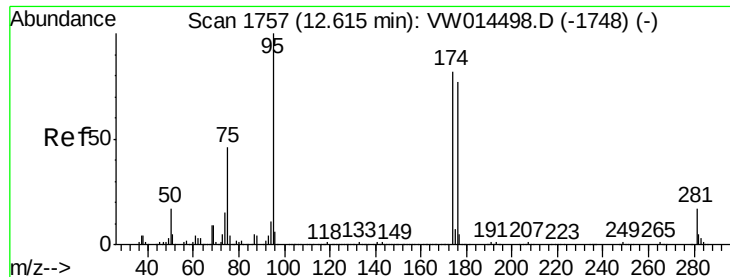
Tgt Ion: 43 Resp: 38091

Ion Ratio Lower Upper

43 100

58 3.0 28.7 86.3#

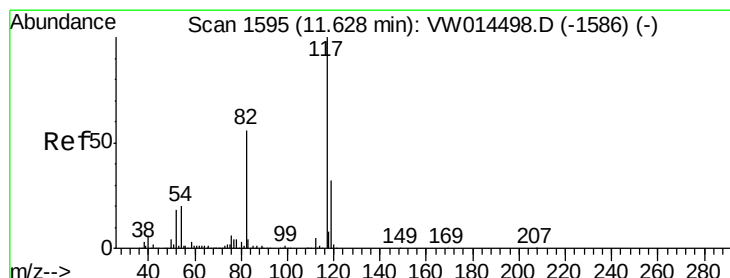
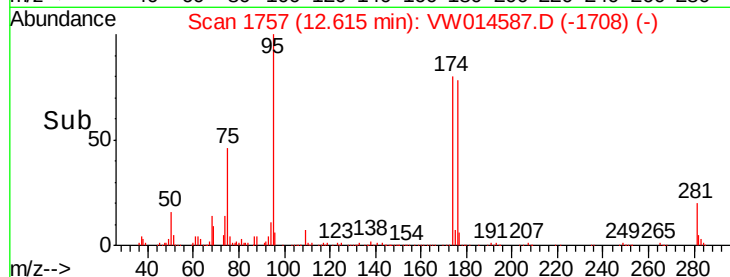
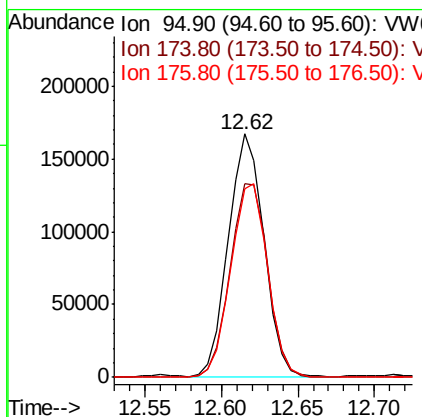
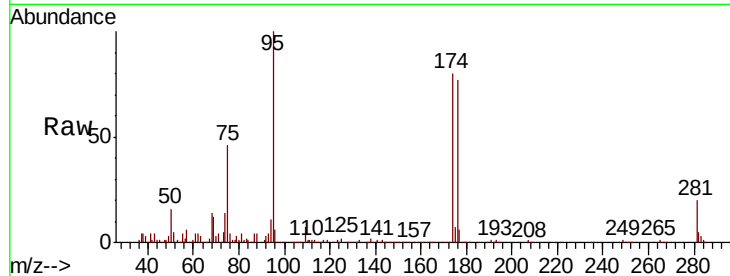




#62
4-Bromofluorobenzene
Concen: 40.578 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

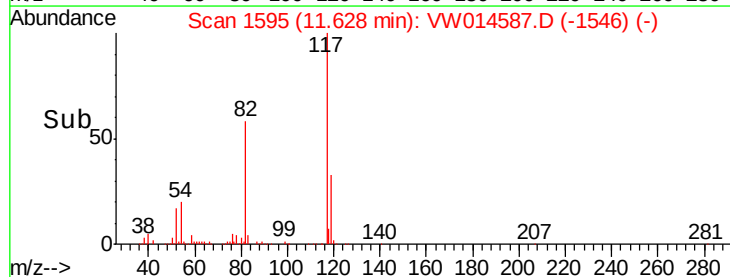
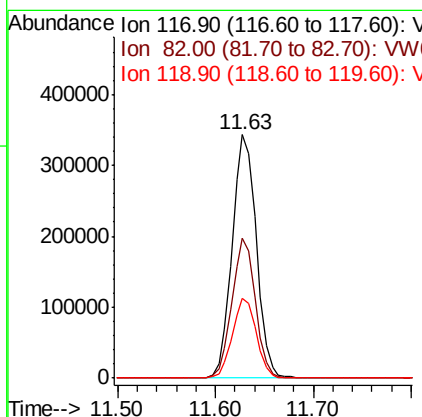
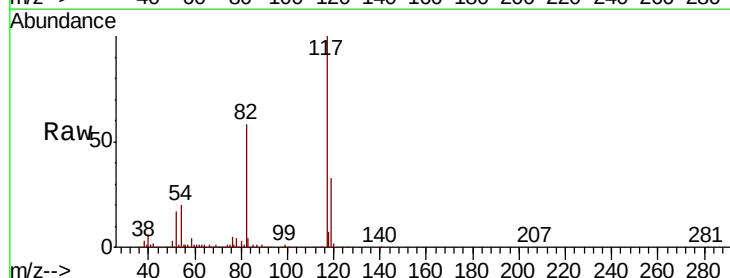
Instrument :
MSVOA_W
ClientSampleId :

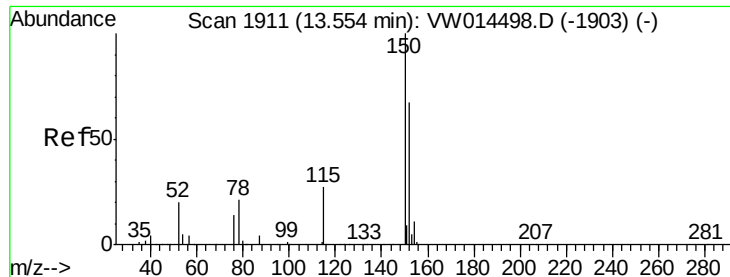
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	168.6
176	82.7	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.6	67.0
119	32.5	25.7	38.5



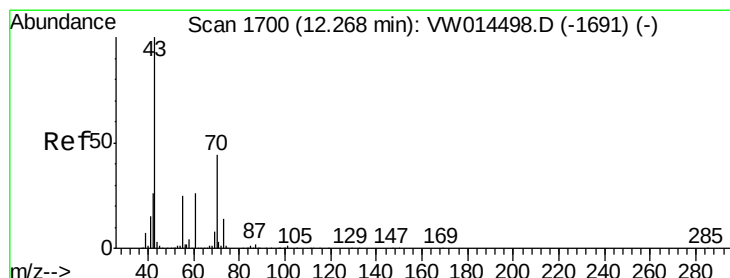
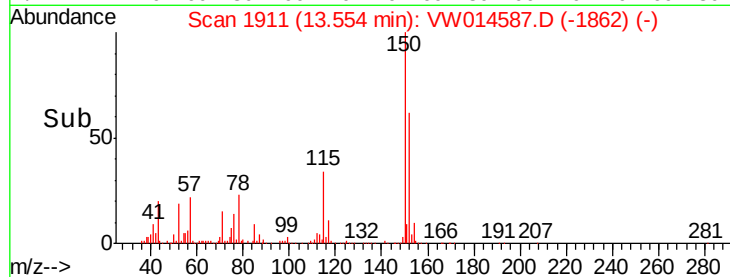
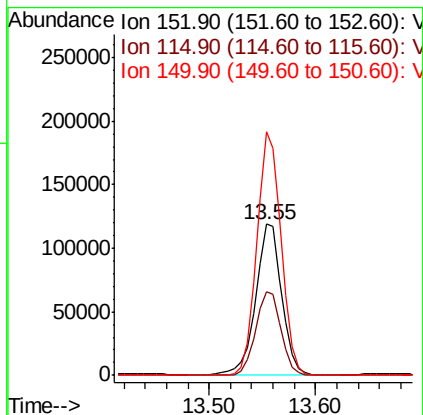
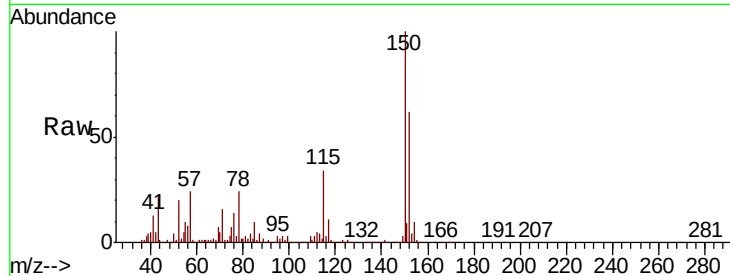


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

Instrument :
MSVOA_W
ClientSampleId :

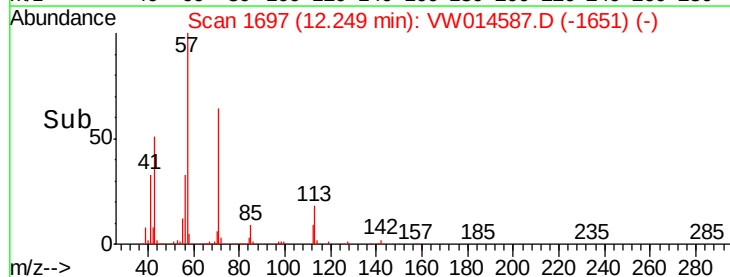
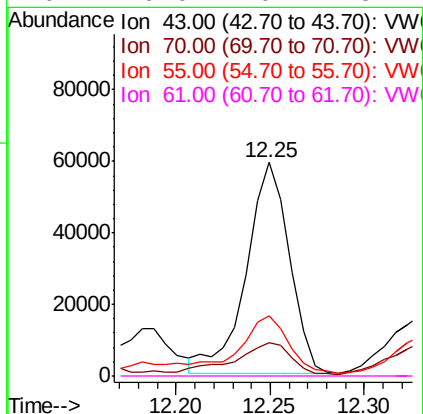
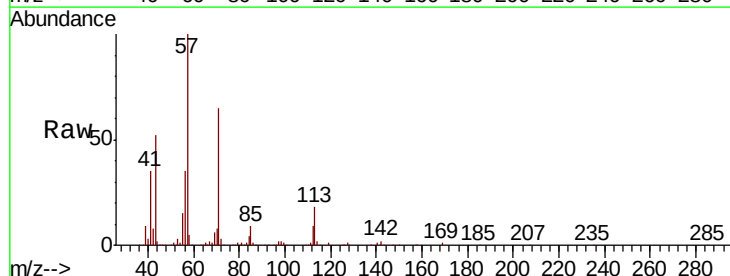
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.7	83.1
150	149.7	0.0	343.4

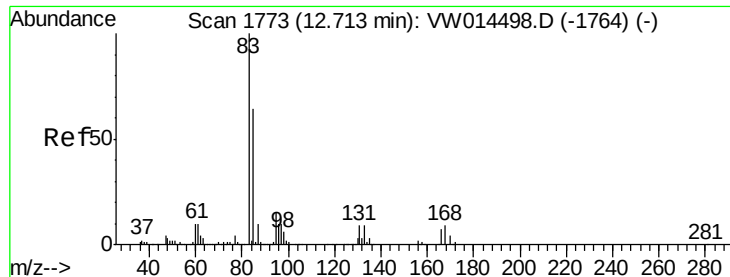


#74

N-ethyl acetate
Concen: 27.691 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014587.D
Acq: 09 Jan 2020 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	19.8	36.5	54.7#
55	30.1	20.9	31.3
61	0.0	20.7	31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.377 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014587.D

Acq: 09 Jan 2020 17:21

Instrument :

MSVOA_W

ClientSampled :

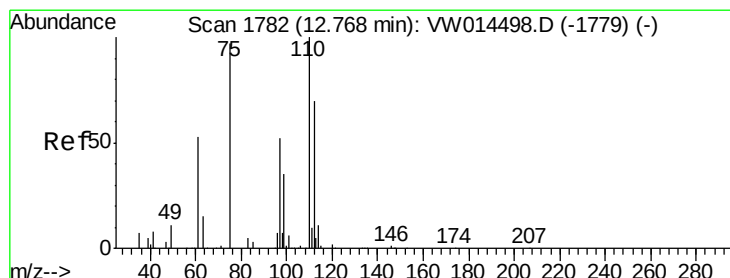
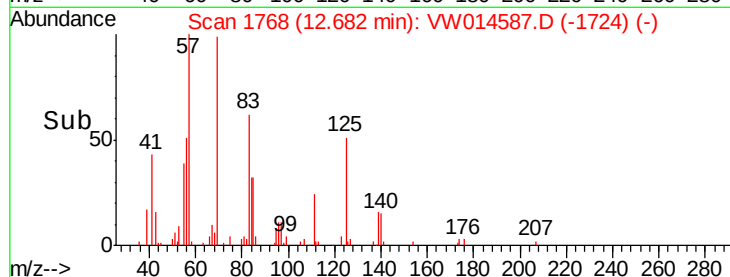
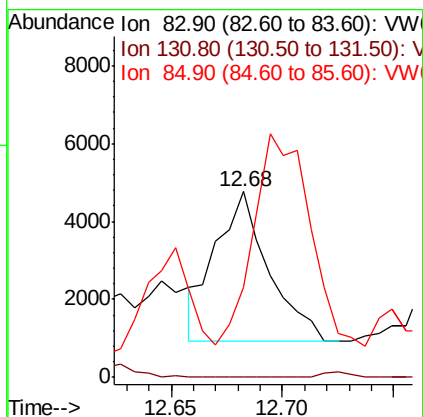
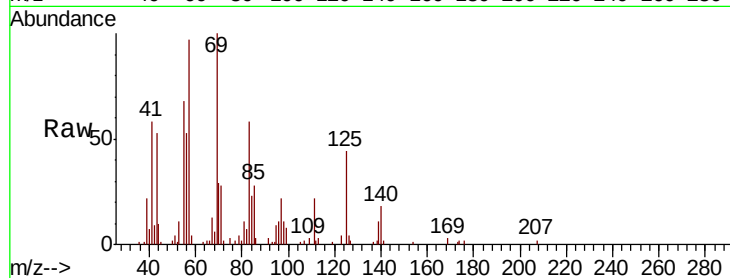
Tot Ion: 83 Resp: 6426

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 150.6 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 64.724 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014587.D

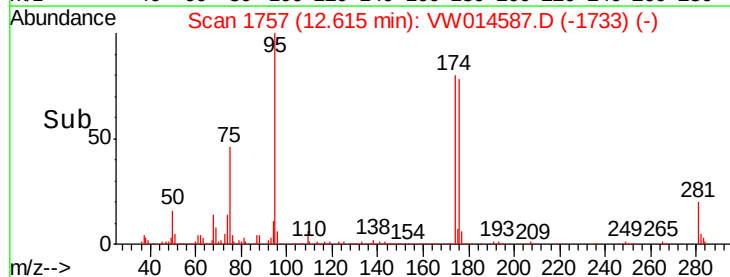
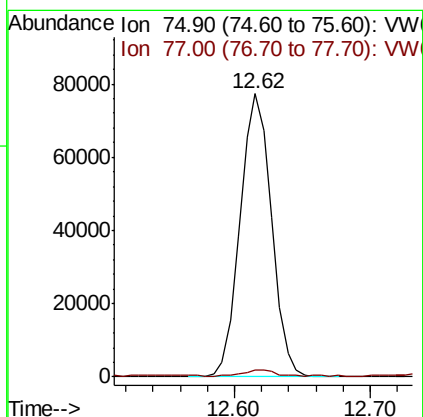
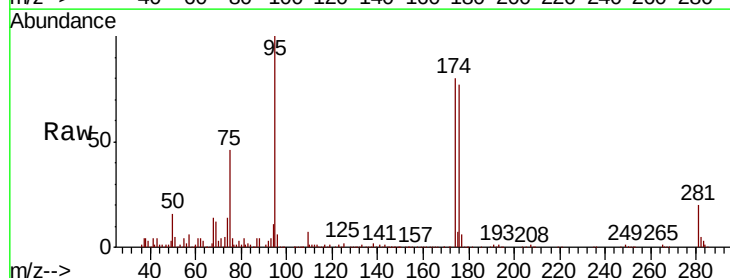
Acq: 09 Jan 2020 17:21

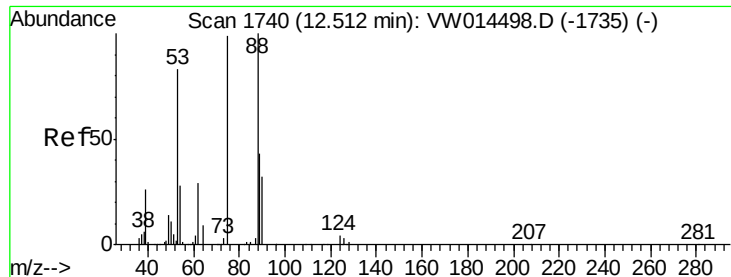
Tgt Ion: 75 Resp: 124942

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.208 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014587.D

Acq: 09 Jan 2020 17:21

Instrument :

MSVOA_W

ClientSampleId :

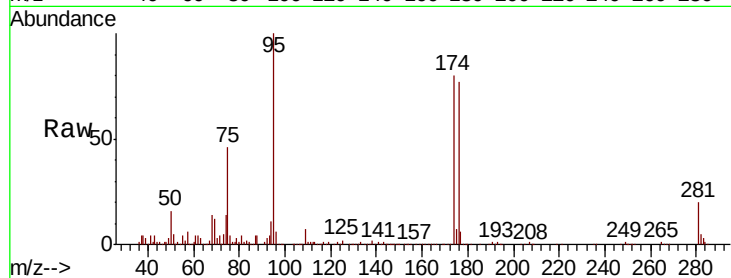
Tot Ion: 75 Resp: 124942

Ion Ratio Lower Upper

75 100

53 1.6 70.9 106.3#

89 0.0 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

