

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035547.D
 Acq On : 4 Sep 2020 1:47
 Operator : SY/AP
 Sample : L3898-07DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Manual Integrations
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 9/8/2020 5:13:07 PM

Quant Time: Sep 05 15:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1019819	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4231421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4236958	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3058683	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	6152008	34.810	ppbv	# 69
13) Ethanol	3.63	45	26838	2.489	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	108389	1.189	ppbv	97
24) 1,1-Dichloroethane	5.03	63	138313	0.931	ppbv	98
29) Chloroform	5.77	83	115287	0.503	ppbv	100
31) cis-1,2-Dichloroethene	5.57	61	2384389	20.643	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	194970	0.876	ppbv	98
38) Trichloroethene	7.86	130	3070384	19.298	ppbv	97
52) Tetrachloroethene	11.26	164	9378361m	58.609	ppbv	

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

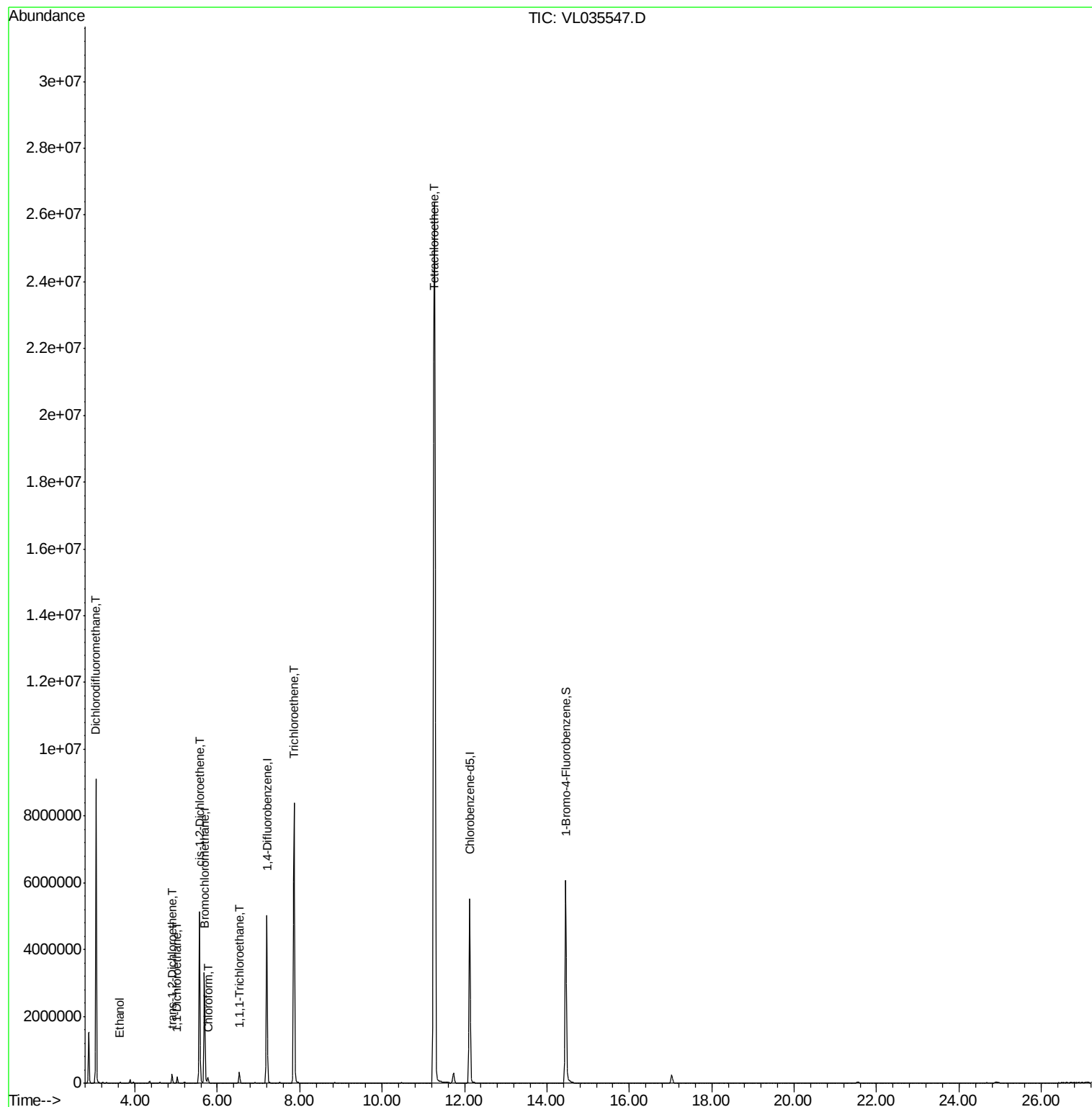
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\
Data File : VL035547.D
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Misc : 400ml/MSVOA L
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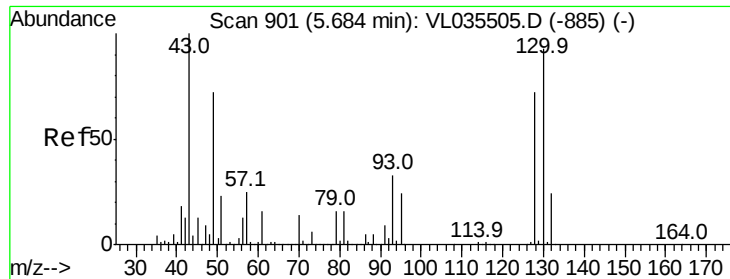
Instrument :
MSVOA_L
ClientSampleId :
SS-5DL

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Quant Time: Sep 05 15:28:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035547.D

Acq: 4 Sep 2020 1:47

Instrument :

MSVOA_L

ClientSampled :

SS-5DL

Tot Ion: 49 Resp: 1019819

Ion Ratio Lower Upper

49 100

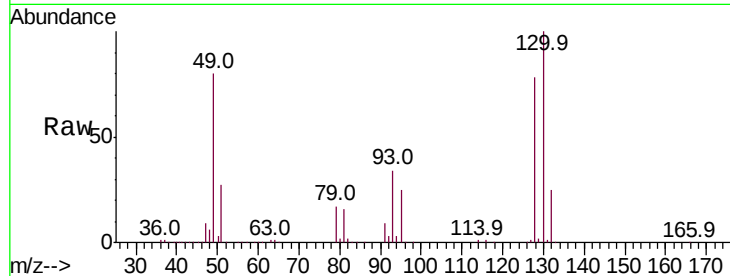
128 97.0 50.0 150.1

130 124.4 64.4 193.2

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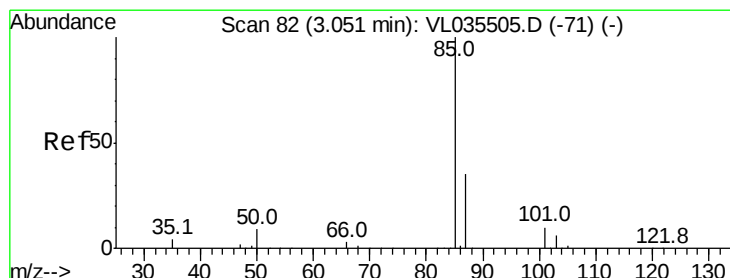
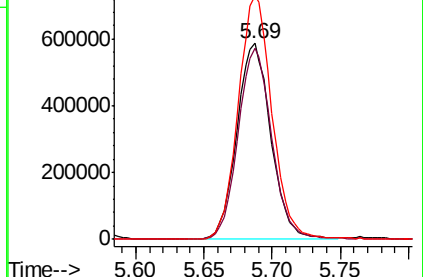
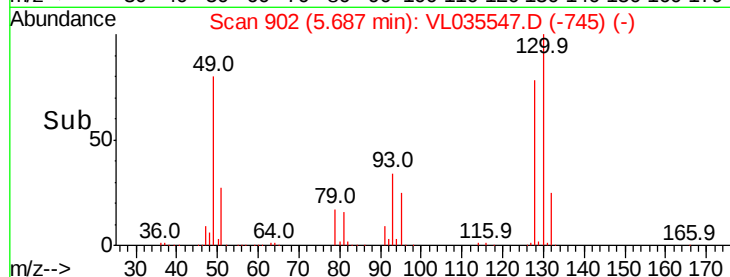
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 34.810 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL035547.D

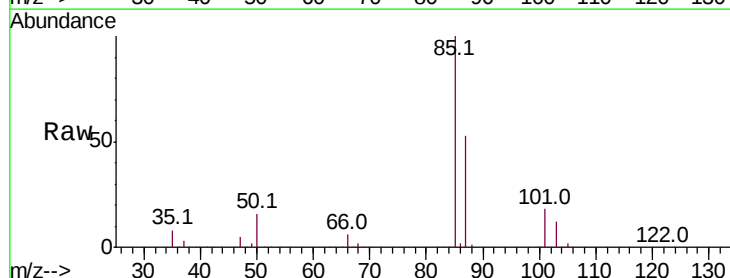
Acq: 4 Sep 2020 1:47

Tgt Ion: 85 Resp: 6152008

Ion Ratio Lower Upper

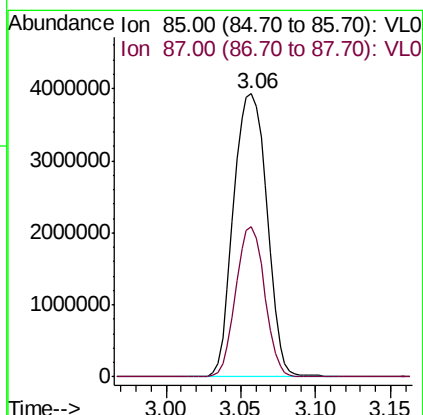
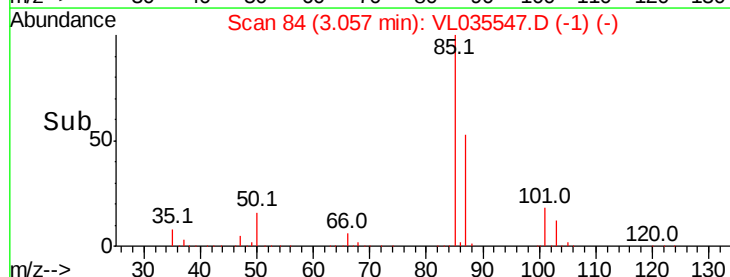
85 100

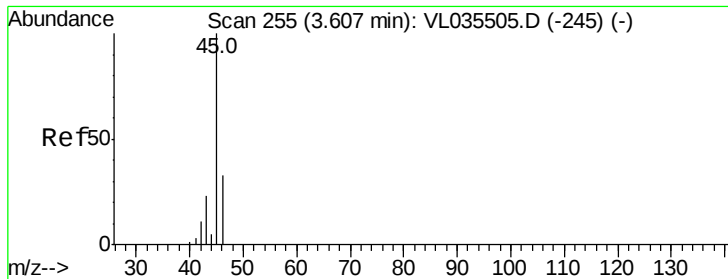
87 52.9 28.0 42.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#13

Ethanol

Concen: 2.489 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.03 min

Lab File: VL035547.D

Acq: 4 Sep 2020 1:47

Instrument :

MSVOA_L

ClientSampleId :

SS-5DL

Tot Ion: 45 Resp: 26838

Ion Ratio Lower Upper

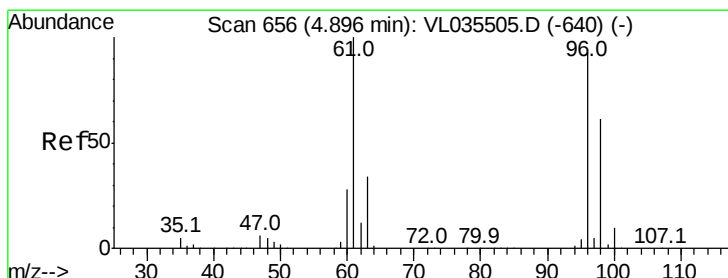
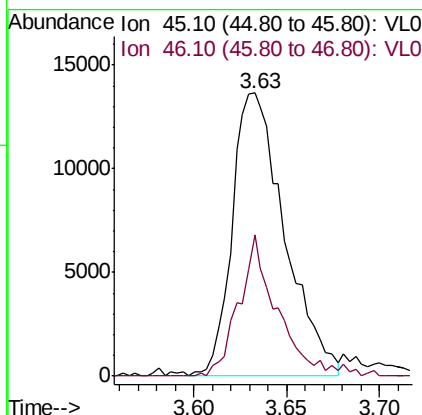
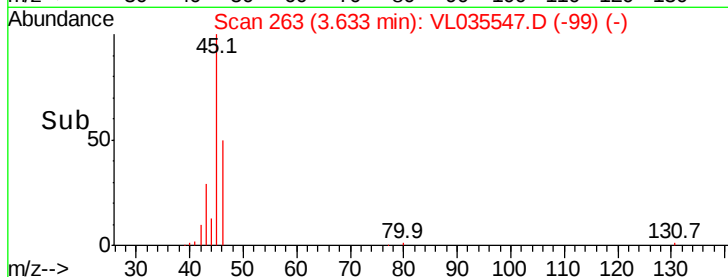
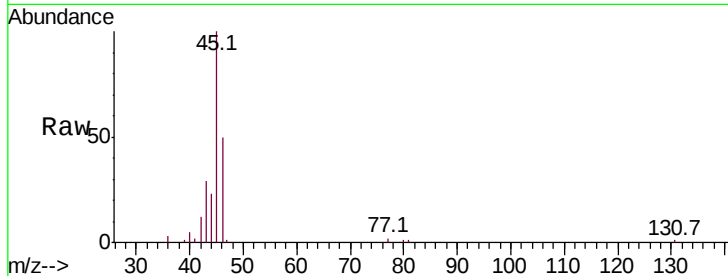
45 100

46 37.3 15.2 60.6

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#22

trans-1,2-Dichloroethene

Concen: 1.189 ppbv

RT: 4.90 min Scan# 658

Delta R.T. 0.01 min

Lab File: VL035547.D

Acq: 4 Sep 2020 1:47

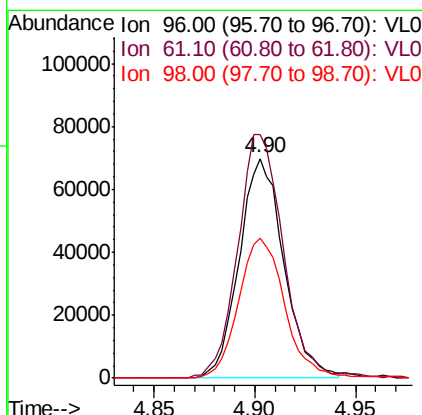
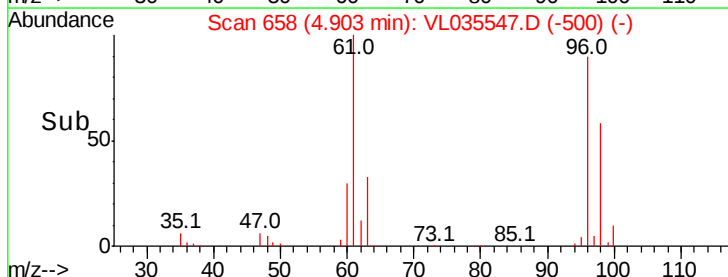
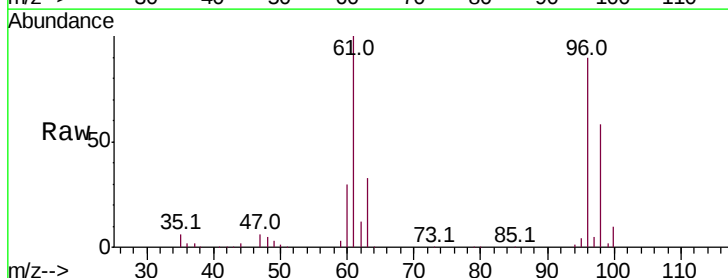
Tgt Ion: 96 Resp: 108389

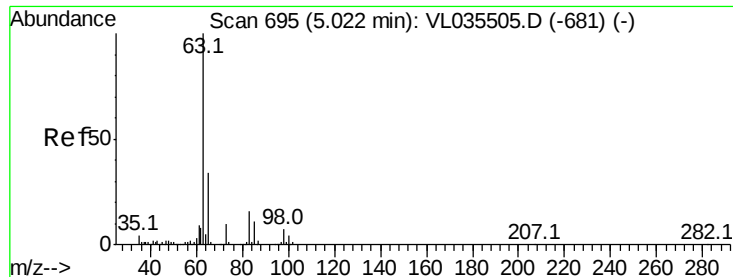
Ion Ratio Lower Upper

96 100

61 110.8 86.0 129.0

98 63.8 52.3 78.5





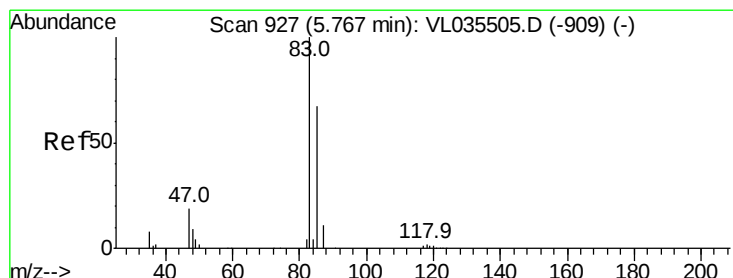
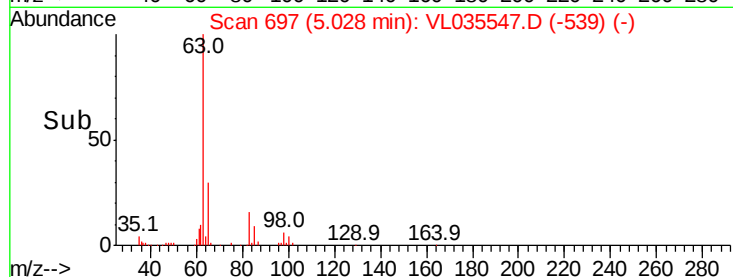
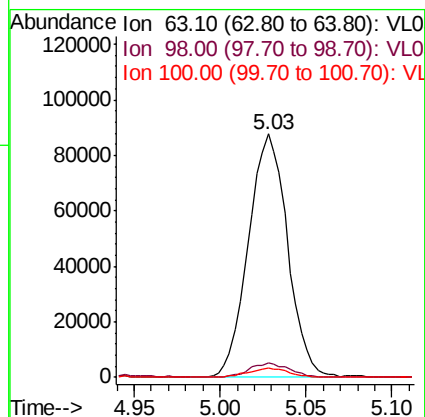
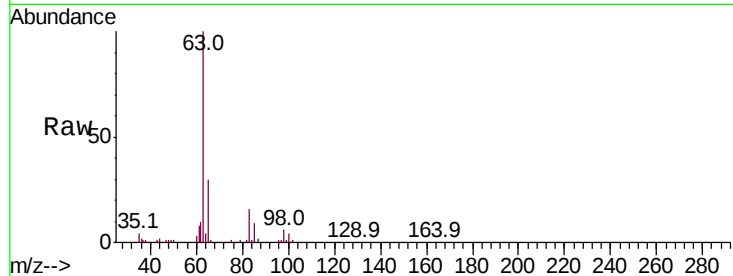
#24
1,1-Dichloroethane
Concen: 0.931 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.01 min
Lab File: VL035547.D
Acq: 4 Sep 2020 1:47

Instrument :
MSVOA_L
ClientSampleId :
SS-5DL

Tot Ion:	63	Resp:	138313
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.4	10.1
100	3.9	2.1	6.5

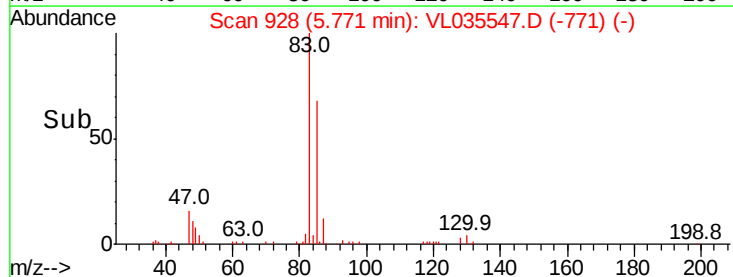
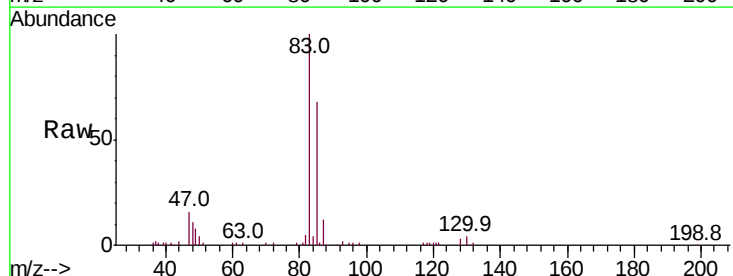
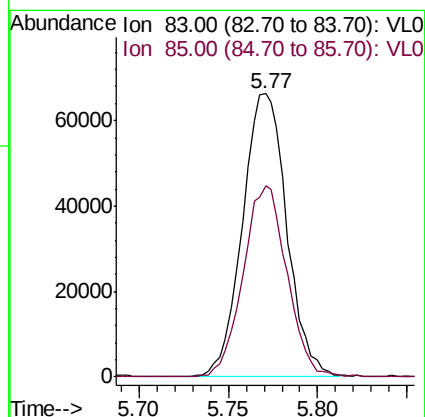
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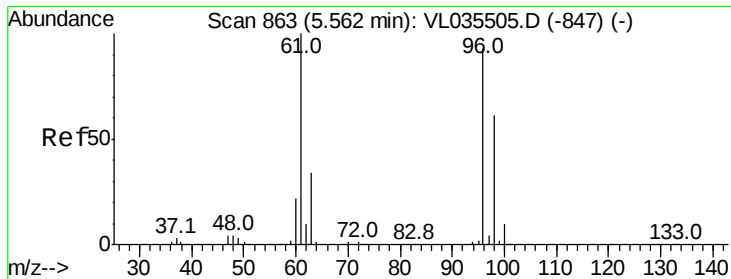
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#29
Chloroform
Concen: 0.503 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL035547.D
Acq: 4 Sep 2020 1:47

Tgt Ion:	83	Resp:	115287
Ion Ratio	Lower	Upper	
83	100		
85	67.7	53.9	80.9





#31

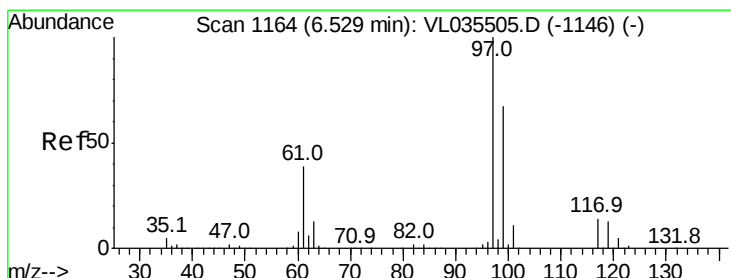
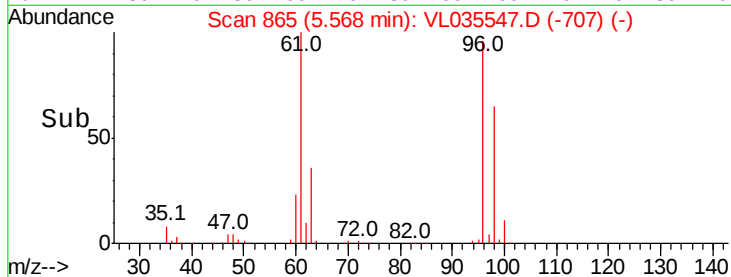
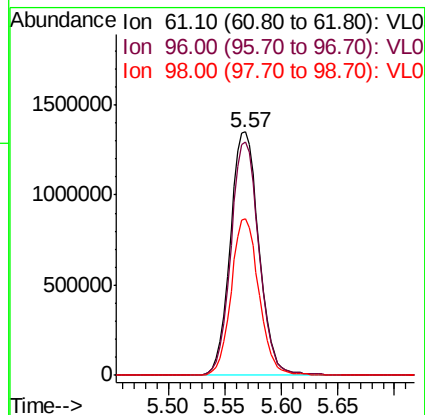
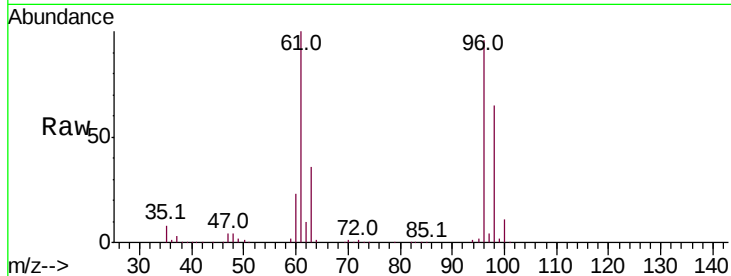
cis-1,2-Dichloroethene
 Concen: 20.643 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VL035547.D
 Acq: 4 Sep 2020 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Tot Ion: 61 Resp: 2384389
 Ion Ratio Lower Upper
 61 100
 96 95.9 74.4 111.6
 98 64.5 49.2 73.8

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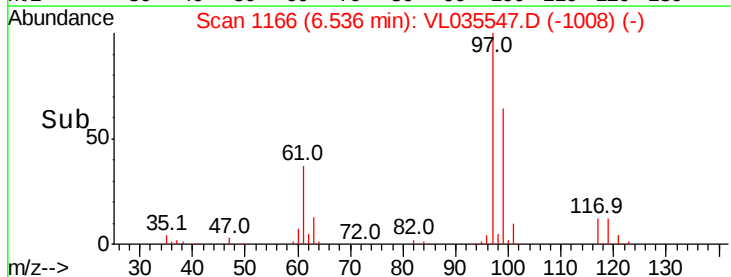
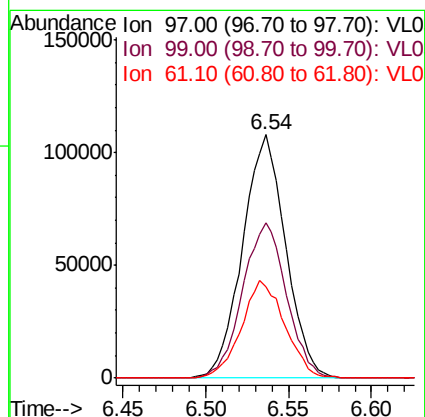
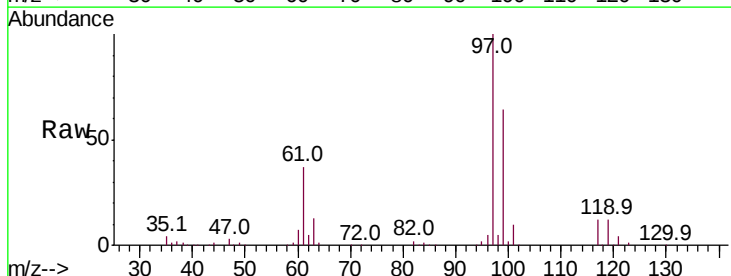
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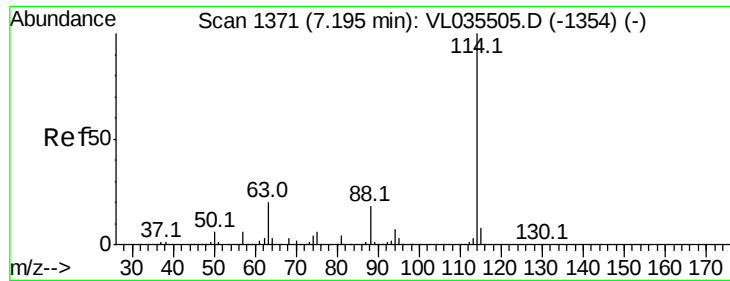


#32

1,1,1-Trichloroethane
 Concen: 0.876 ppbv
 RT: 6.54 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VL035547.D
 Acq: 4 Sep 2020 1:47

Tgt Ion: 97 Resp: 194970
 Ion Ratio Lower Upper
 97 100
 99 65.2 53.3 79.9
 61 40.5 30.6 46.0





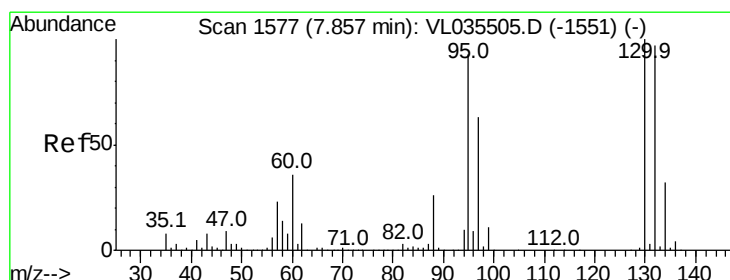
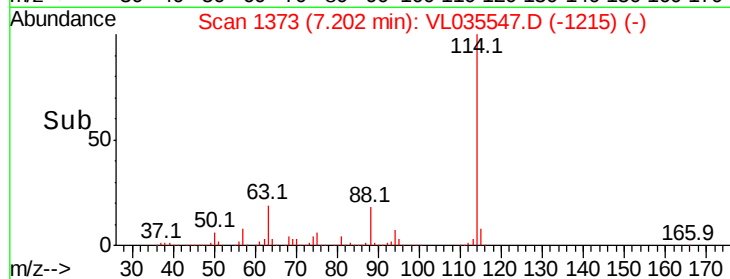
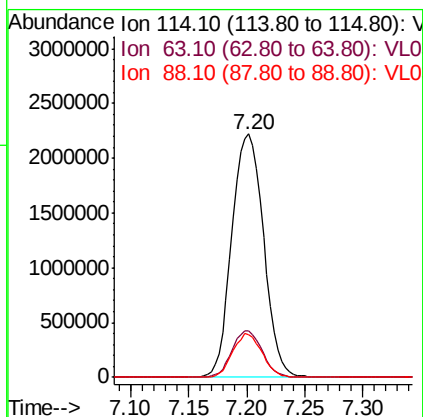
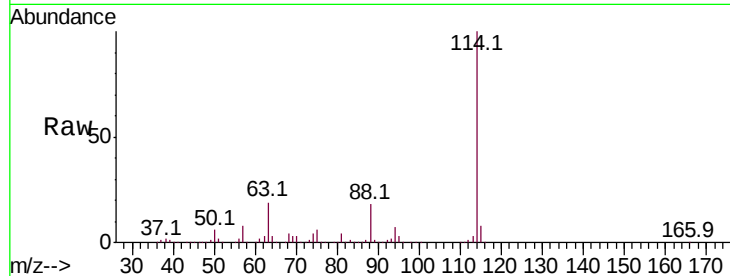
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.01 min
Lab File: VL035547.D
Acq: 4 Sep 2020 1:47

Instrument :
MSVOA_L
ClientSampleId :
SS-5DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.7	22.1
88	16.6	13.4	20.2

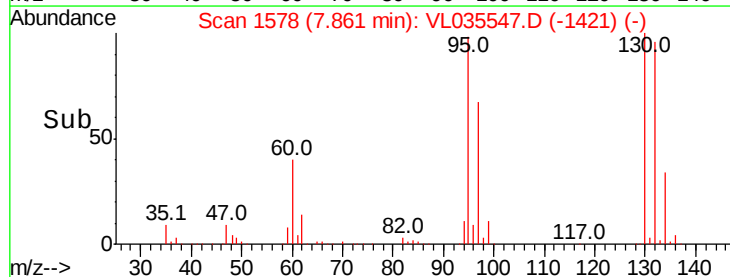
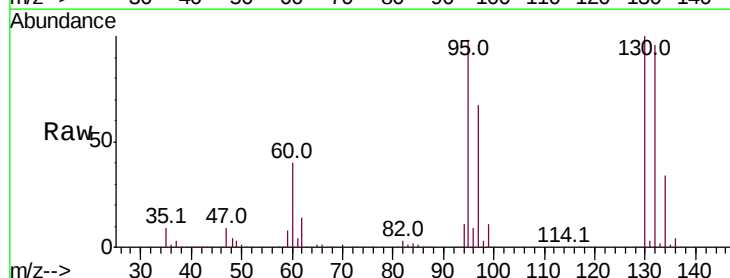
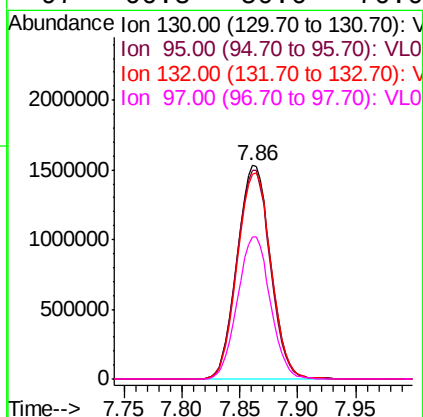
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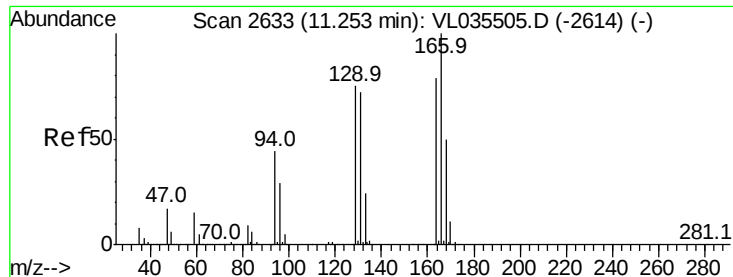
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#38
Trichloroethene
Concen: 19.298 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VL035547.D
Acq: 4 Sep 2020 1:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	74.6	112.0
132	95.8	77.6	116.4
97	66.8	50.6	76.0





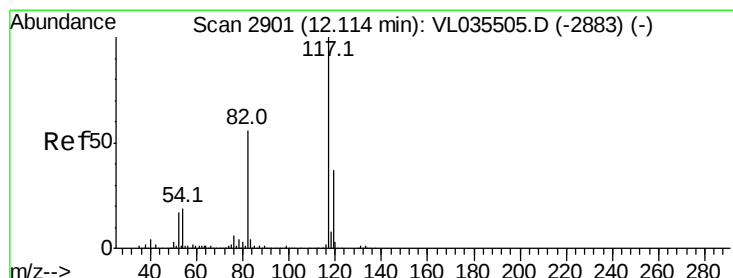
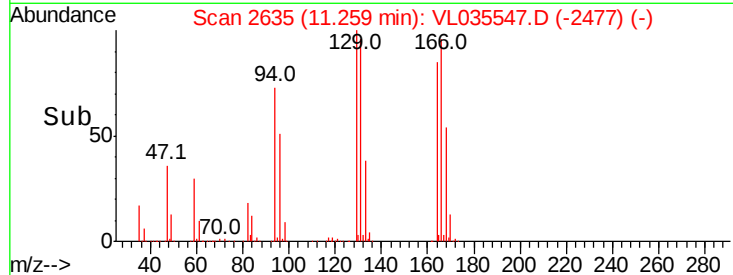
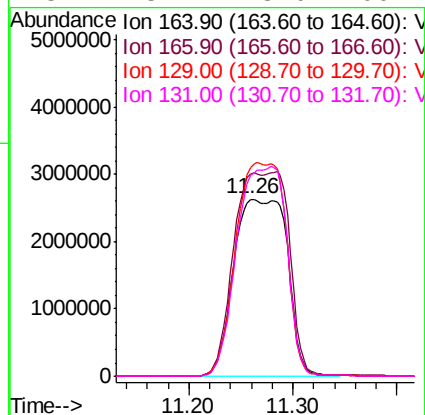
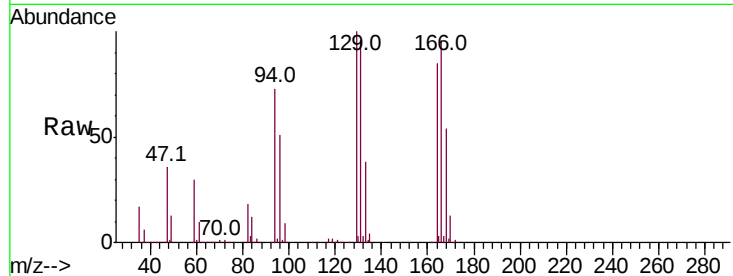
#52
Tetrachloroethene
Concen: 58.609 ppbv m
RT: 11.26 min Scan# 2635
Delta R.T. 0.01 min
Lab File: VL035547.D
Acq: 4 Sep 2020 1:47

Instrument :
MSVOA_L
ClientSampleId :
SS-5DL

Tot Ion:164 Resp: 9378361
Ion Ratio Lower Upper
164 100
166 113.9 100.9 151.3
129 118.1 75.3 112.9#
131 113.4 73.0 109.4#

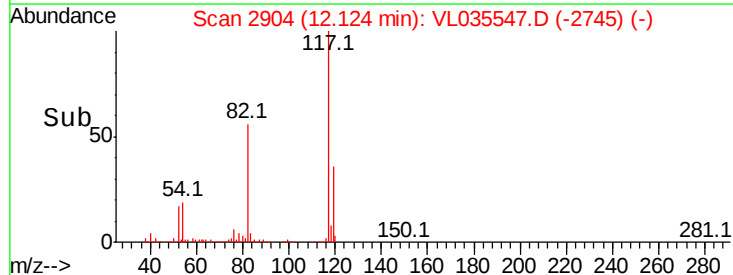
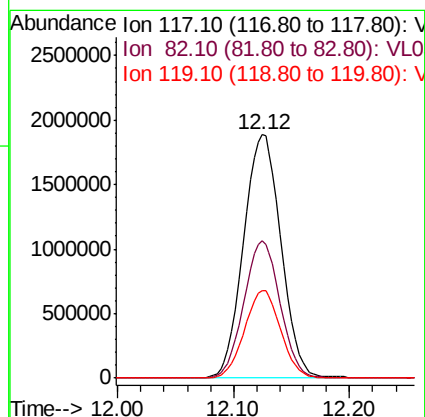
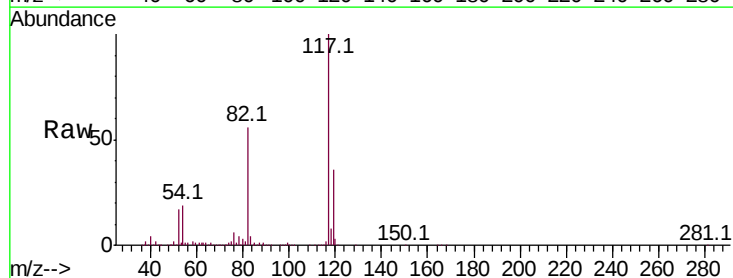
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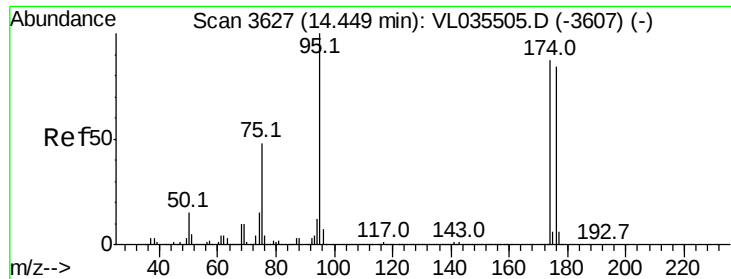
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035547.D
Acq: 4 Sep 2020 1:47

Tgt Ion:117 Resp: 4236958
Ion Ratio Lower Upper
117 100
82 55.0 41.6 62.4
119 34.8 29.3 43.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.166 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035547.D
 Acq: 4 Sep 2020 1:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Tot Ion: 95 Resp: 3058683
 Ion Ratio Lower Upper
 95 100
 174 86.4 69.6 104.4
 175 6.2 5.1 7.7

Manual Integrations
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