

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035568.D
 Acq On : 8 Sep 2020 23:04
 Operator : SY/AP
 Sample : L3898-07DL 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Manual Integrations
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 9/10/2020 10:45:32 AM

Quant Time: Sep 09 04:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.65	49	1132203	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4518143	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4659069	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3419566	10.34	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1714478	8.738	ppbv	100
13) Ethanol	3.61	45	5729m	0.479	ppbv	
15) Acetone	3.86	43	33533	0.269	ppbv #	69
22) trans-1,2-Dichloroethene	4.88	96	18181	0.180	ppbv	89
24) 1,1-Dichloroethane	5.00	63	22342	0.135	ppbv	94
31) cis-1,2-Dichloroethene	5.54	61	393259	3.067	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	31535	0.128	ppbv	96
38) Trichloroethene	7.83	130	519848	3.060	ppbv	99
52) Tetrachloroethene	11.22	164	3471283	20.317	ppbv	95

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

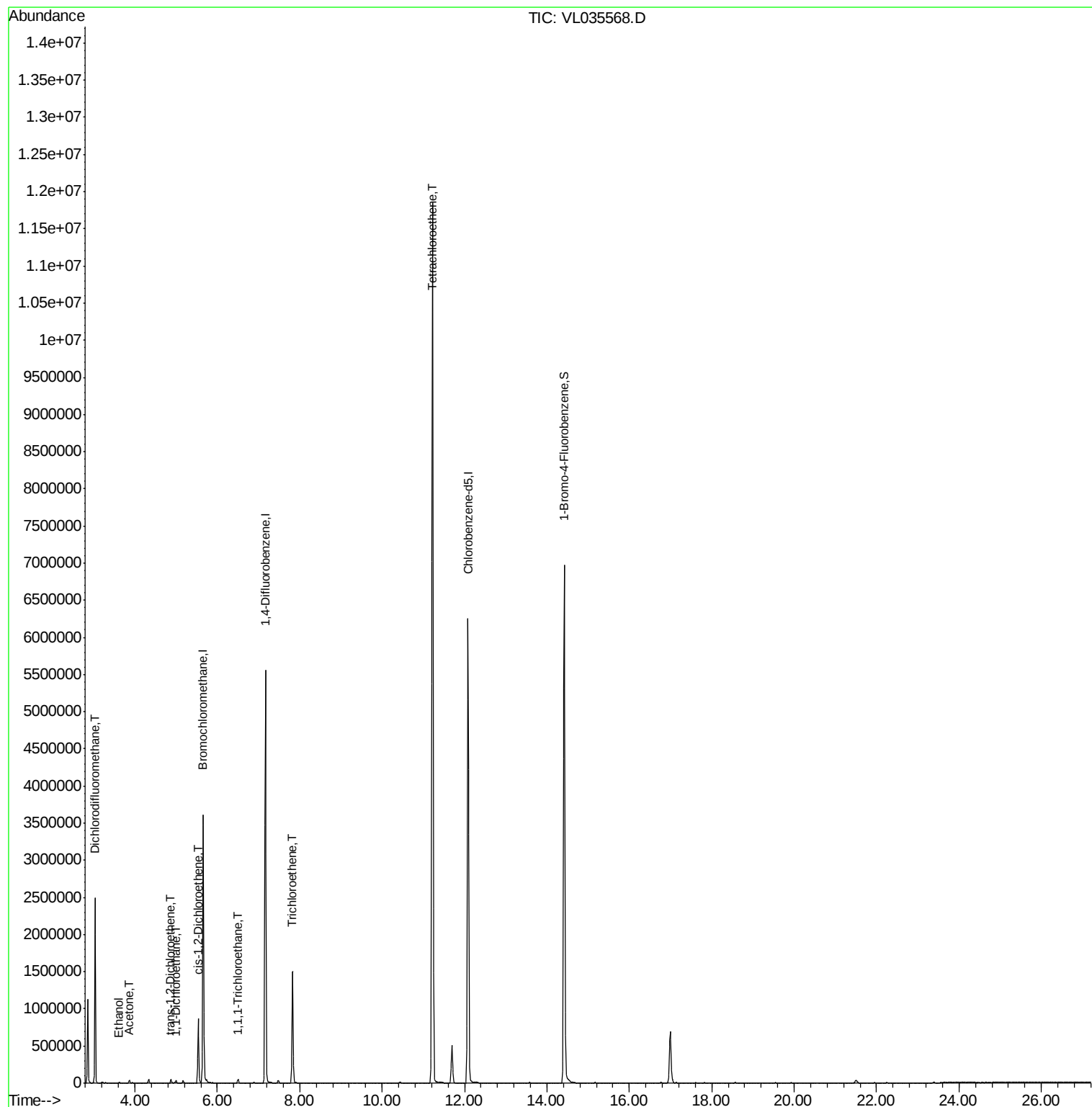
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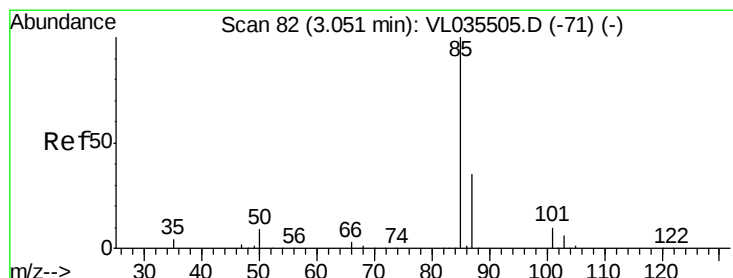
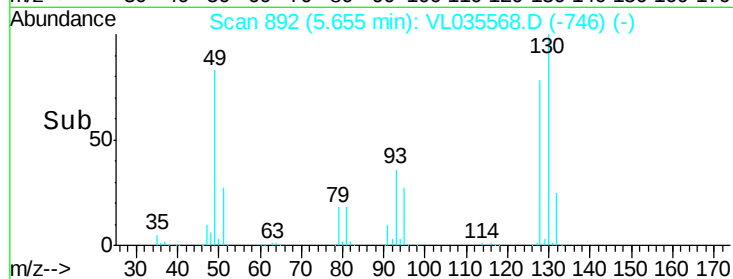
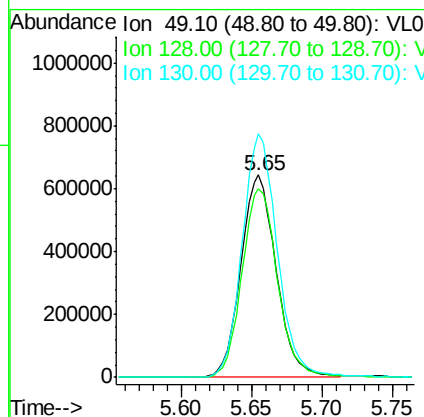
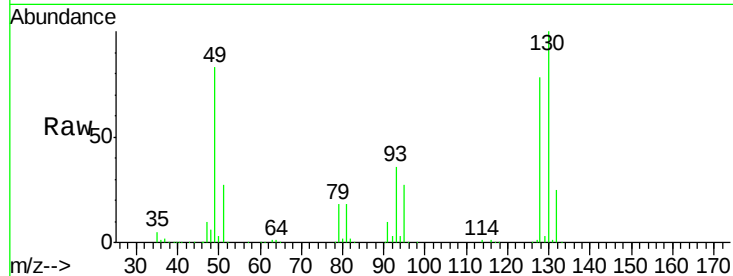
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035568.D
Acq: 8 Sep 2020 23:04

Instrument :
MSVOA_L
ClientSampled :
SS-5DL

Tot Ion: 49 Resp: 1132203
Ion Ratio Lower Upper
49 100
128 94.7 50.0 150.1
130 121.0 64.4 193.2

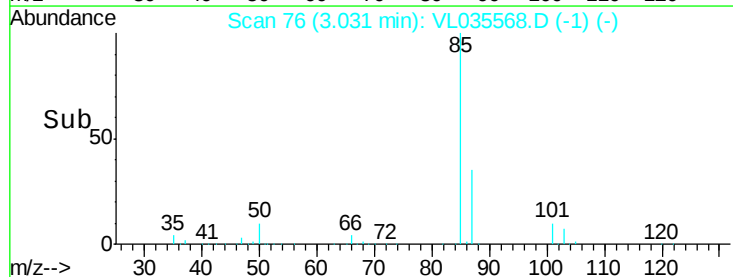
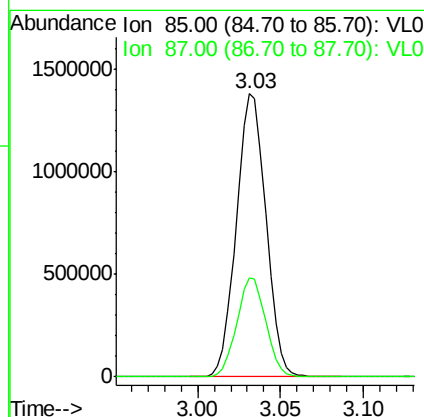
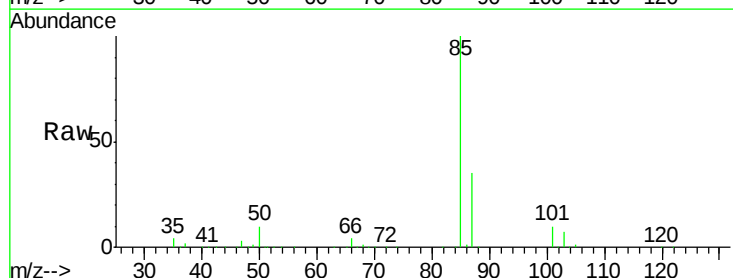
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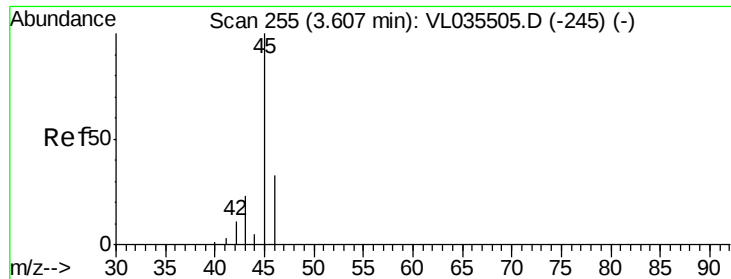
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#2
Dichlorodifluoromethane
Concen: 8.738 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL035568.D
Acq: 8 Sep 2020 23:04

Tgt Ion: 85 Resp: 1714478
Ion Ratio Lower Upper
85 100
87 35.2 28.0 42.0





#13

Ethanol

Concen: 0.479 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL035568.D

Acq: 8 Sep 2020 23:04

Instrument :

MSVOA_L

ClientSampleId :

SS-5DL

Tot Ion: 45 Resp: 5729

Ion Ratio Lower Upper

45 100

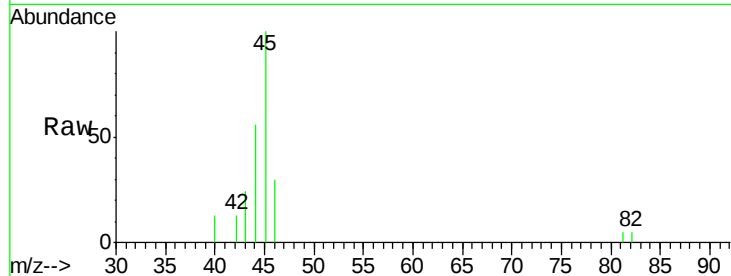
46 0.0 15.2 60.6#

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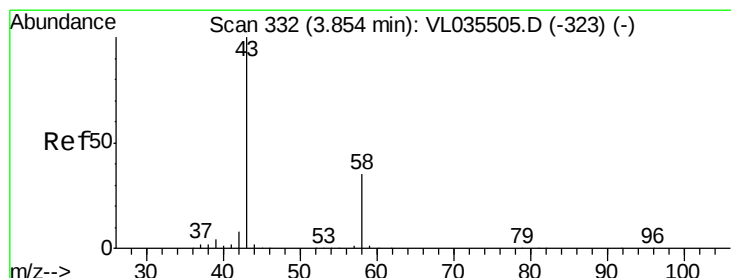
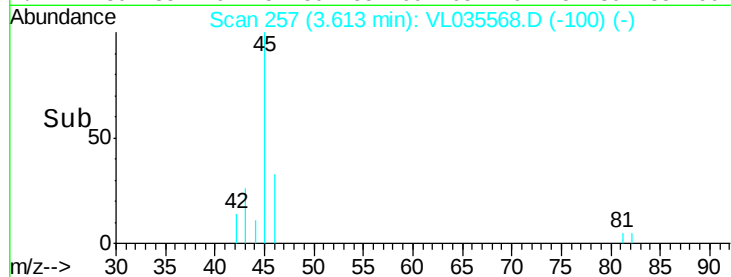
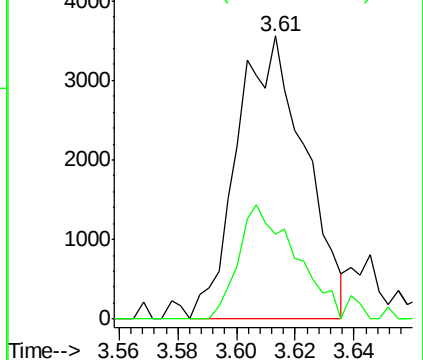
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.269 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035568.D

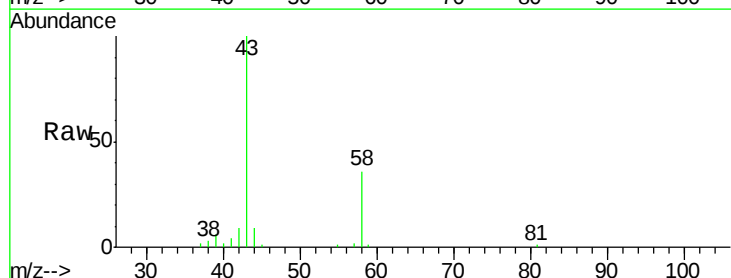
Acq: 8 Sep 2020 23:04

Tgt Ion: 43 Resp: 33533

Ion Ratio Lower Upper

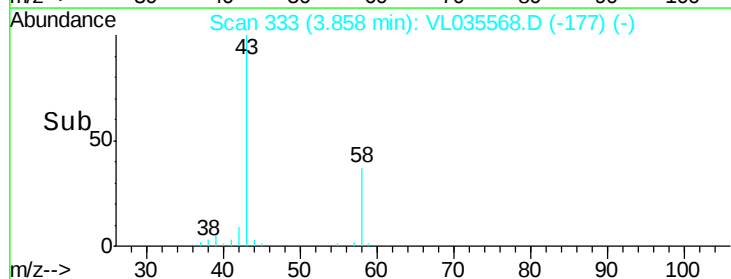
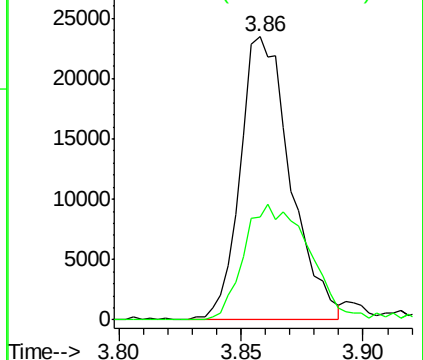
43 100

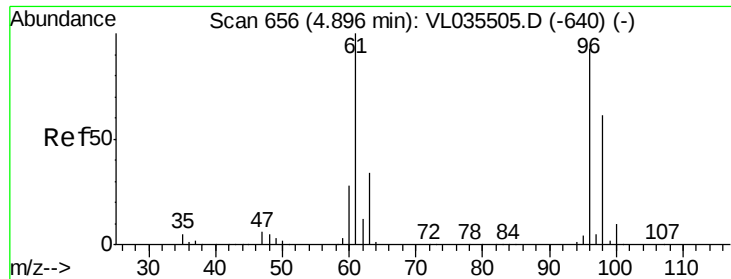
58 53.6 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.180 ppbv

RT: 4.88 min Scan# 650

Delta R.T. -0.02 min

Lab File: VL035568.D

Acq: 8 Sep 2020 23:04

Instrument :

MSVOA_L

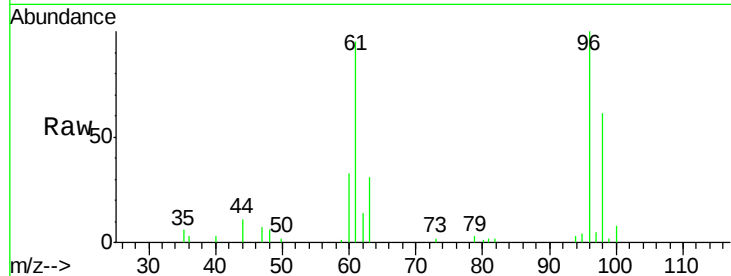
ClientSampled :

SS-5DL

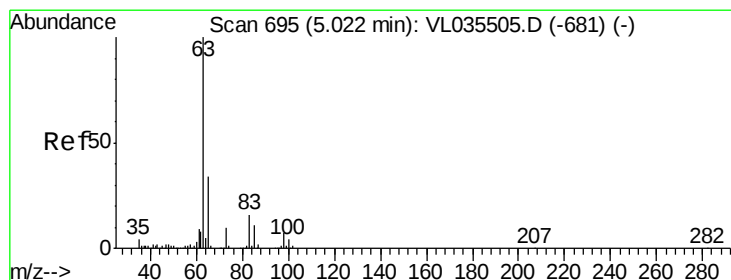
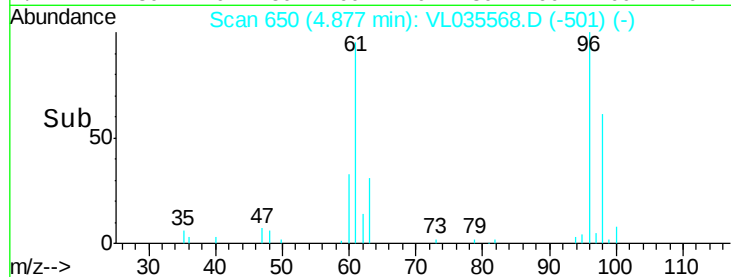
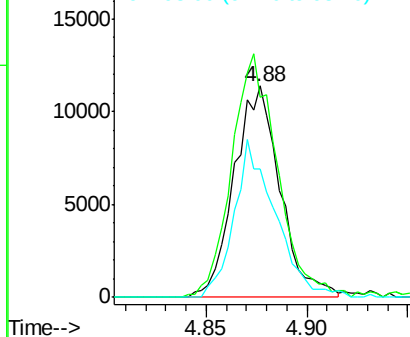
Tot Ion:	96	Resp:	18181
Ion Ratio	Lower	Upper	
96	100		
61	93.3	86.0	129.0
98	60.7	52.3	78.5

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Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#24

1,1-Dichloroethane

Concen: 0.135 ppbv

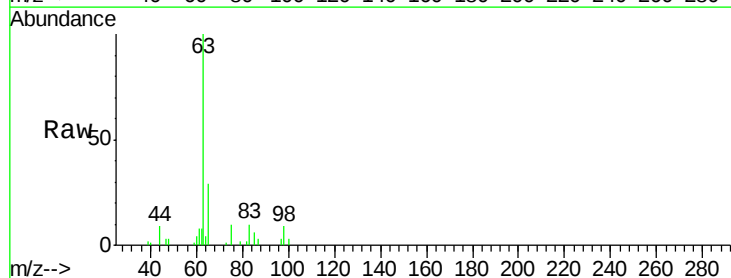
RT: 5.00 min Scan# 687

Delta R.T. -0.03 min

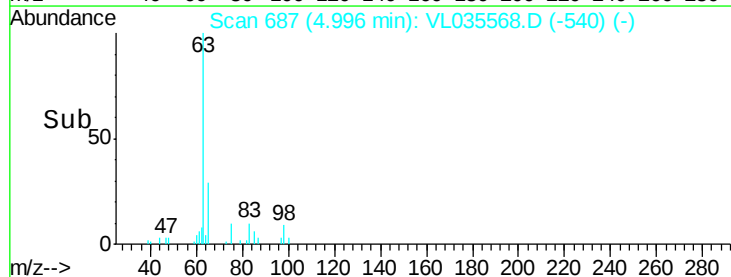
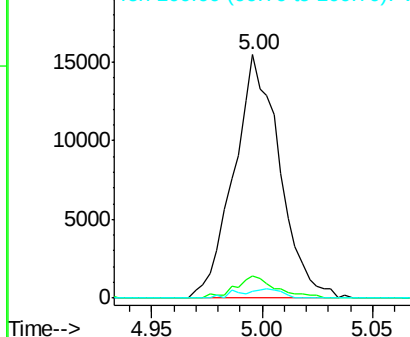
Lab File: VL035568.D

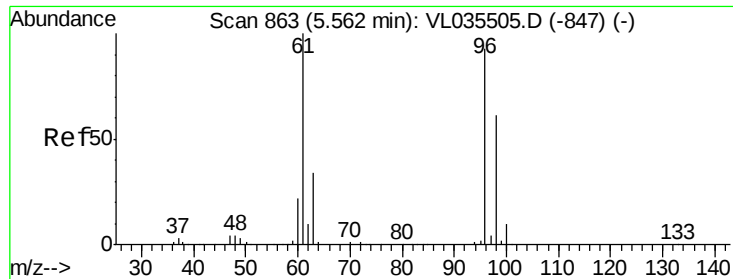
Acq: 8 Sep 2020 23:04

Tgt Ion:	63	Resp:	22342
Ion Ratio	Lower	Upper	
63	100		
98	8.9	3.4	10.1
100	2.8	2.1	6.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#31

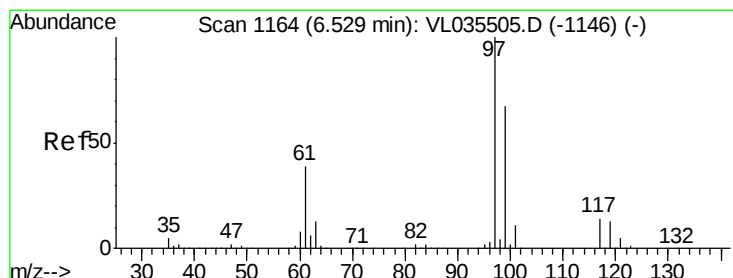
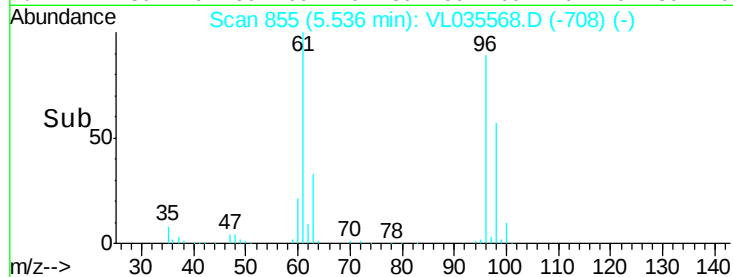
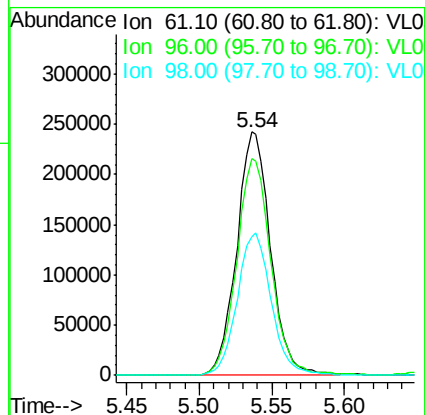
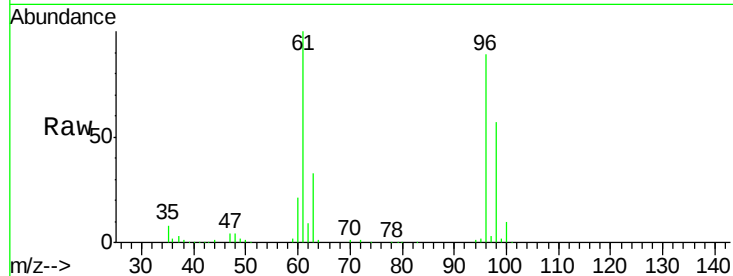
cis-1,2-Dichloroethene
Concen: 3.067 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL035568.D
Acq: 8 Sep 2020 23:04

Instrument :
MSVOA_L
ClientSampled :
SS-5DL

Tot Ion	Ratio	Resp	Lower	Upper
61	100	393259		
96	89.0		74.4	111.6
98	57.1		49.2	73.8

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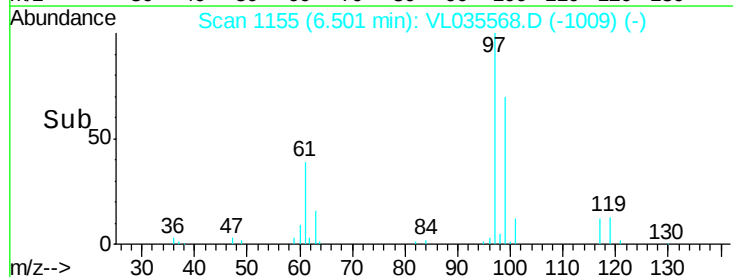
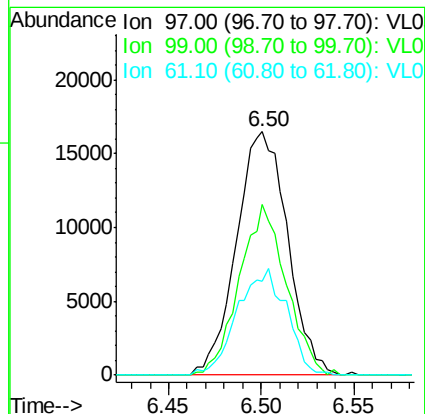
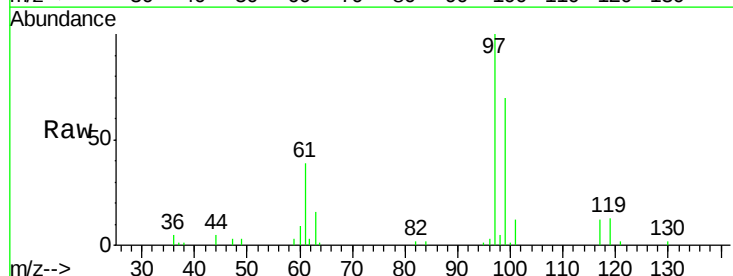
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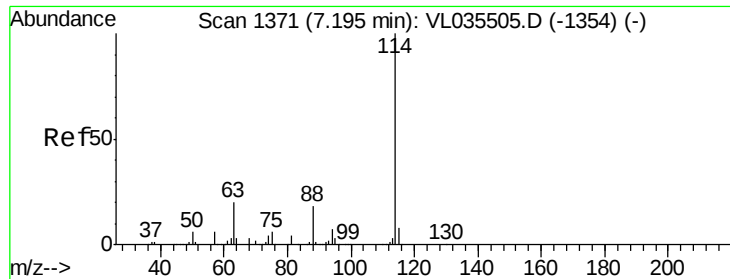


#32

1,1,1-Trichloroethane
Concen: 0.128 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.03 min
Lab File: VL035568.D
Acq: 8 Sep 2020 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	31535		
99	64.2		53.3	79.9
61	41.9		30.6	46.0





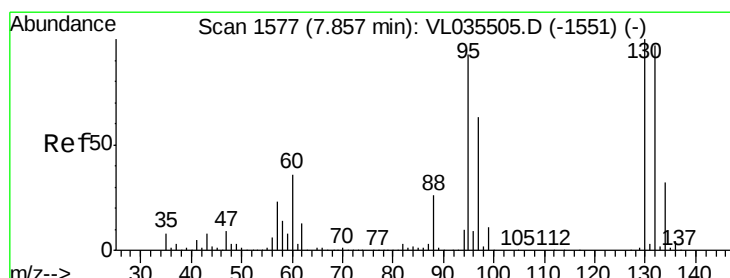
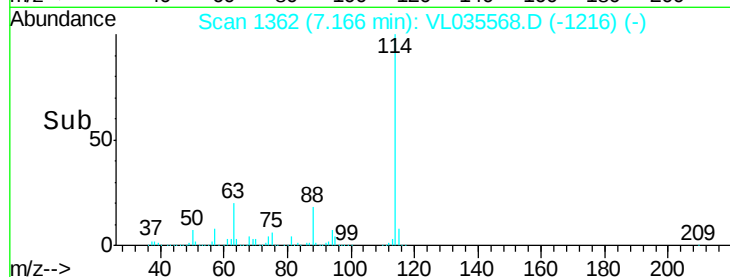
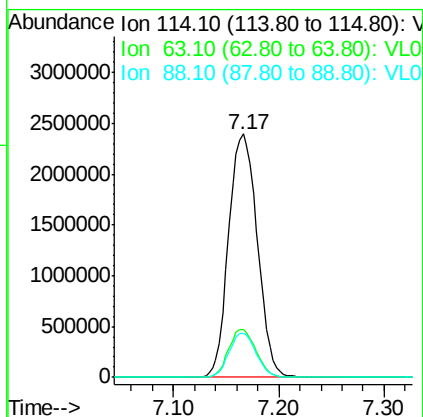
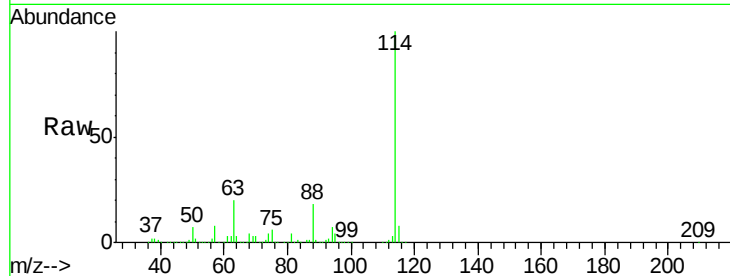
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL035568.D
 Acq: 8 Sep 2020 23:04

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Tot Ion:114 Resp: 4518143
 Ion Ratio Lower Upper
 114 100
 63 18.9 14.7 22.1
 88 17.1 13.4 20.2

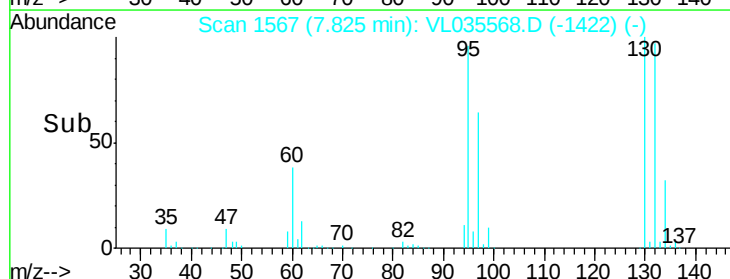
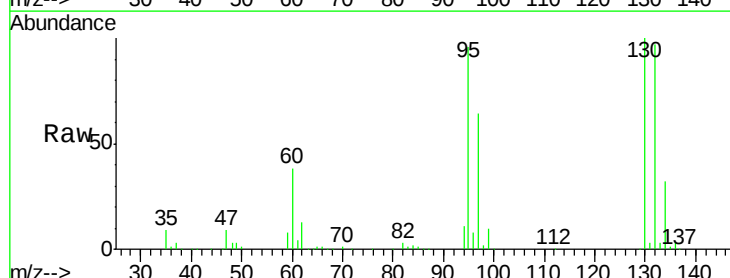
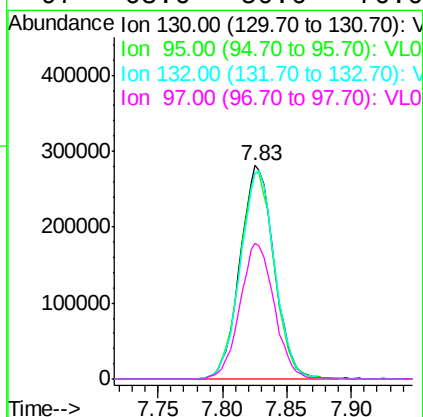
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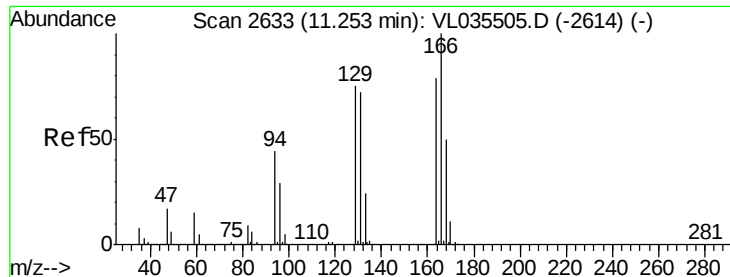
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#38
 Trichloroethene
 Concen: 3.060 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.03 min
 Lab File: VL035568.D
 Acq: 8 Sep 2020 23:04

Tgt Ion:130 Resp: 519848
 Ion Ratio Lower Upper
 130 100
 95 96.2 74.6 112.0
 132 96.5 77.6 116.4
 97 63.6 50.6 76.0





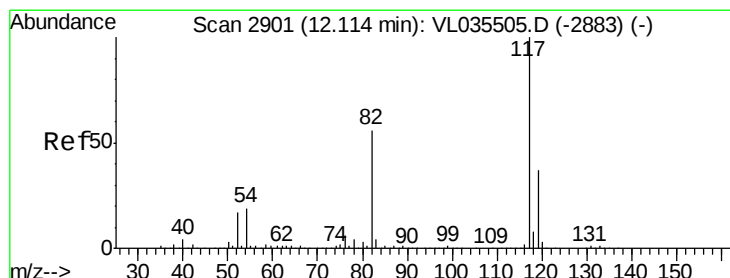
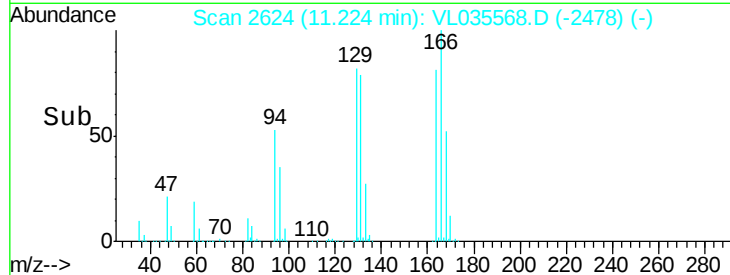
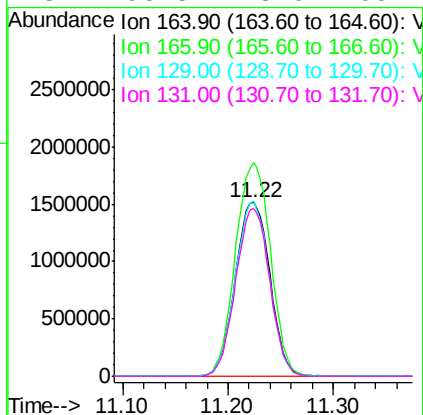
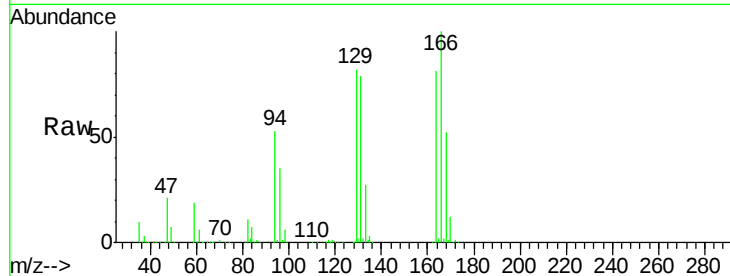
#52
Tetrachloroethene
Concen: 20.317 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.03 min
Lab File: VL035568.D
Acq: 8 Sep 2020 23:04

Instrument :
MSVOA_L
ClientSampleId :
SS-5DL

Tot Ion:164 Resp: 3471283
Ion Ratio Lower Upper
164 100
166 122.7 100.9 151.3
129 100.6 75.3 112.9
131 96.5 73.0 109.4

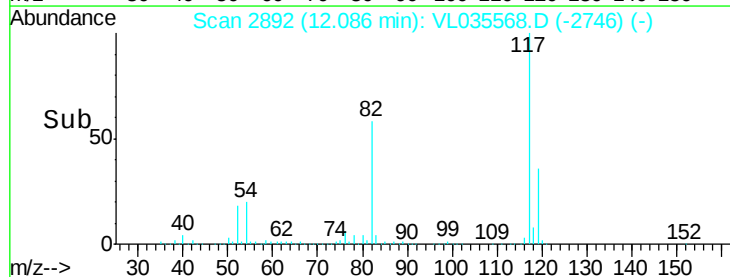
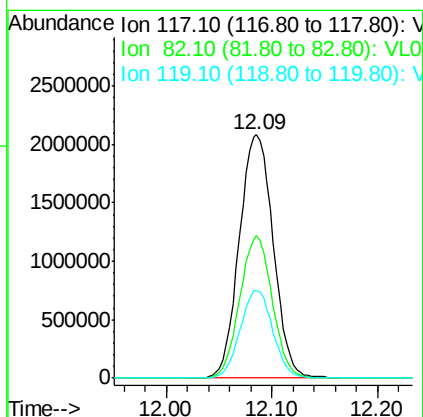
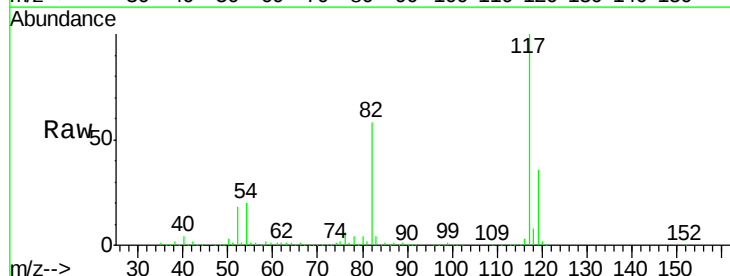
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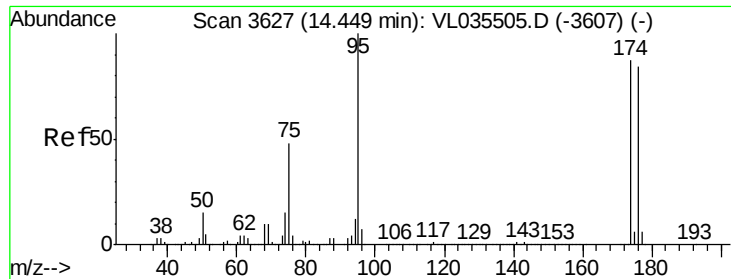
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9/10/2020 10:45:32 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035568.D
Acq: 8 Sep 2020 23:04

Tgt Ion:117 Resp: 4659069
Ion Ratio Lower Upper
117 100
82 56.2 41.6 62.4
119 34.8 29.3 43.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.335 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.03 min
 Lab File: VL035568.D
 Acq: 8 Sep 2020 23:04

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Tot Ion: 95 Resp: 3419566
 Ion Ratio Lower Upper
 95 100
 174 84.0 69.6 104.4
 175 6.0 5.1 7.7

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