

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035569.D
 Acq On : 8 Sep 2020 23:44
 Operator : SY/AP
 Sample : L3898-07DL 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5DL

Manual Integrations
 APPROVED

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Quant Time: Sep 09 09:32:44 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	5.65	49	1111613	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4432170	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4560821	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3381051	10.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	919133	4.771	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	10070m	0.101	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	185596	1.474	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	15982	0.066	ppbv	96
38) Trichloroethene	7.83	130	255690	1.534	ppbv	95
52) Tetrachloroethene	11.22	164	1915992	11.432	ppbv	97

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

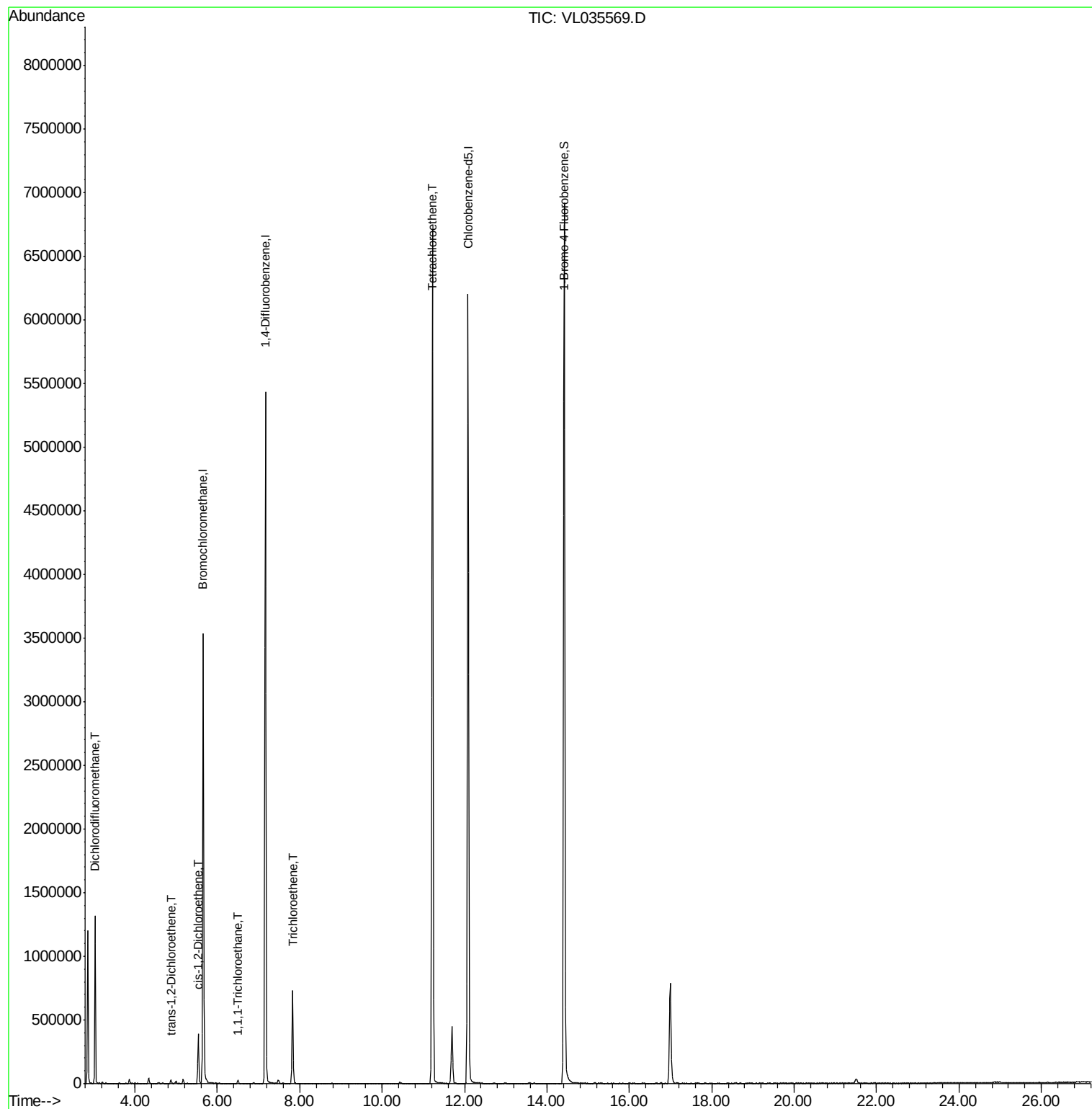
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090820\
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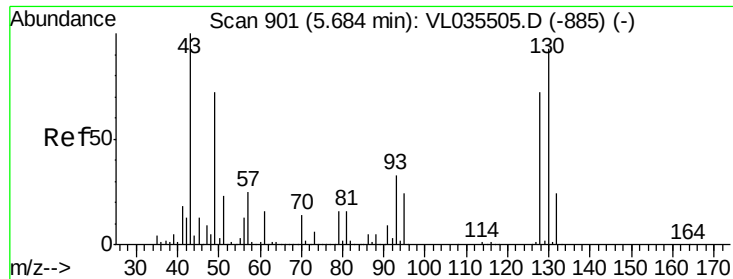
Instrument :
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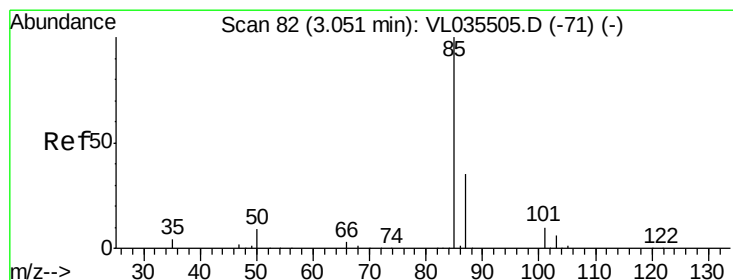
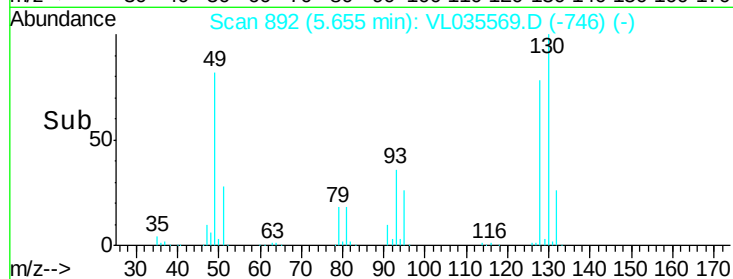
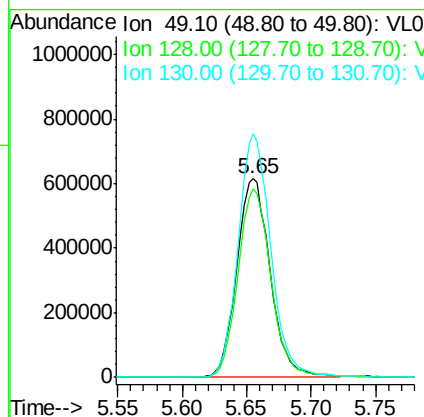
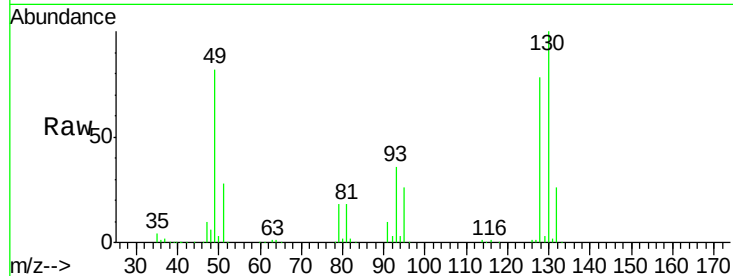
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035569.D
Acq: 8 Sep 2020 23:44

Instrument :
MSVOA_L
ClientSampled :
SS-5DL

Tot Ion: 49 Resp: 1111613
Ion Ratio Lower Upper
49 100
128 94.3 50.0 150.1
130 120.8 64.4 193.2

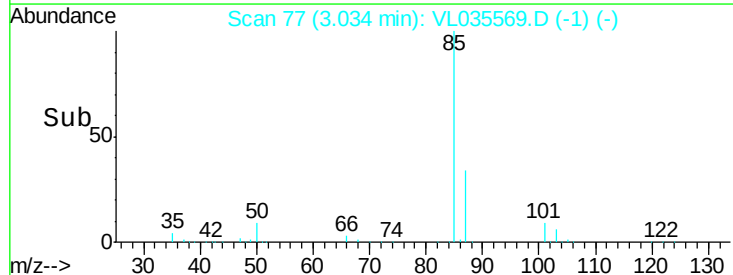
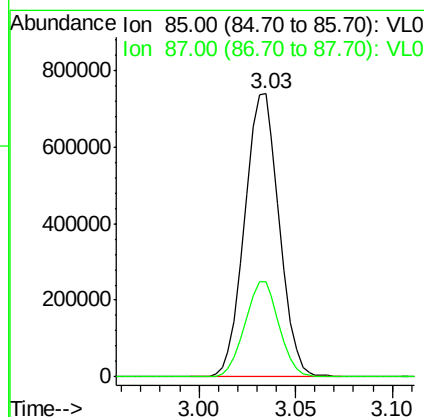
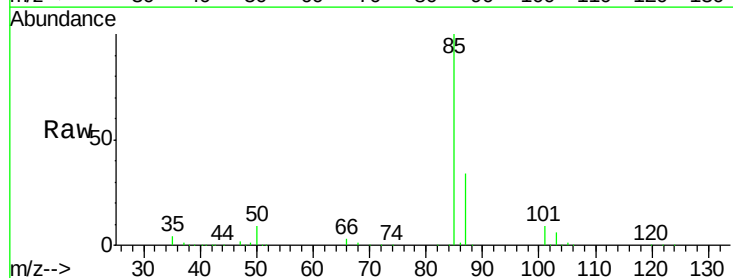
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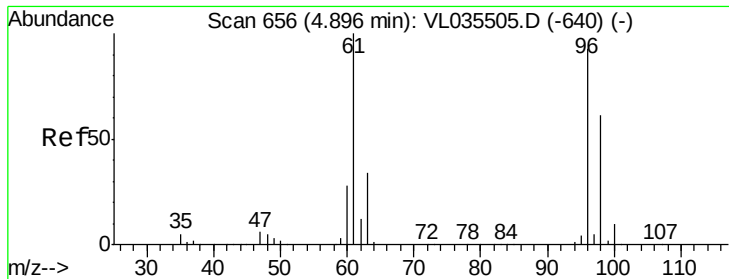
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#2
Dichlorodifluoromethane
Concen: 4.771 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL035569.D
Acq: 8 Sep 2020 23:44

Tgt Ion: 85 Resp: 919133
Ion Ratio Lower Upper
85 100
87 33.5 28.0 42.0





#22

trans-1,2-Dichloroethene

Concen: 0.101 ppbv m

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL035569.D

Acq: 8 Sep 2020 23:44

Instrument :

MSVOA_L

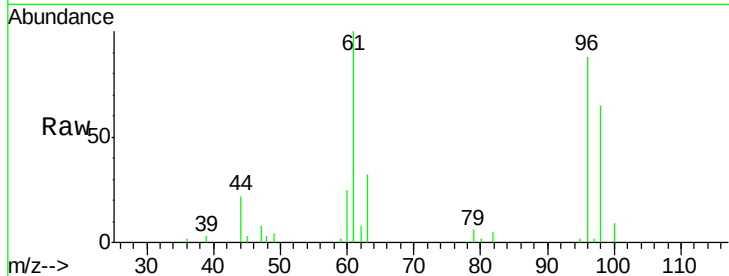
ClientSampled :

SS-5DL

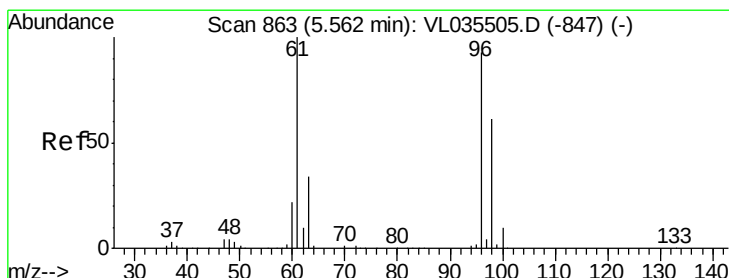
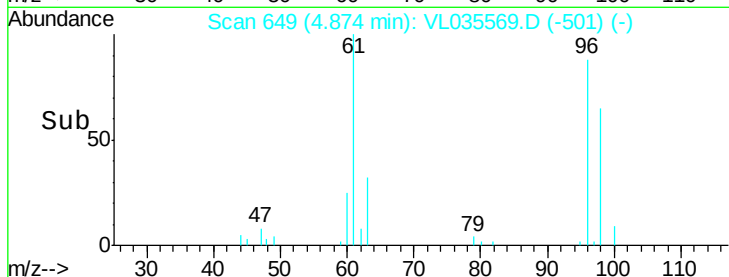
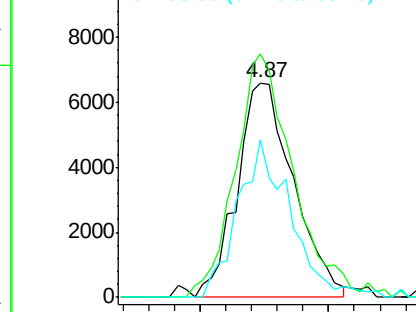
Tot Ion:	96	Resp:	10070
Ion	Ratio	Lower	Upper
96	100		
61	113.4	86.0	129.0
98	73.4	52.3	78.5

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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



#31

cis-1,2-Dichloroethene

Concen: 1.474 ppbv

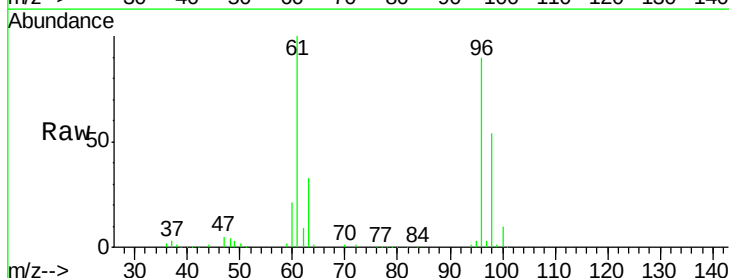
RT: 5.54 min Scan# 856

Delta R.T. -0.02 min

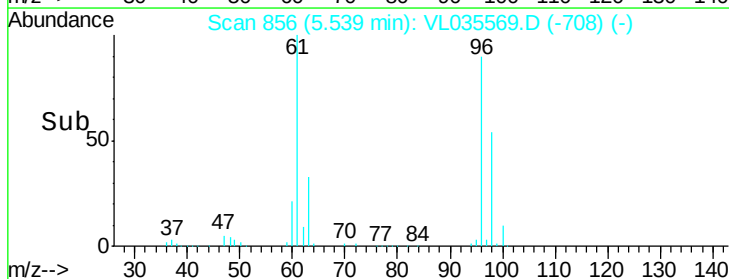
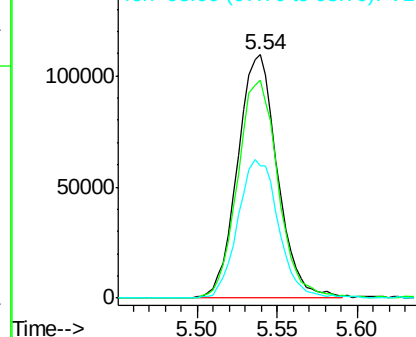
Lab File: VL035569.D

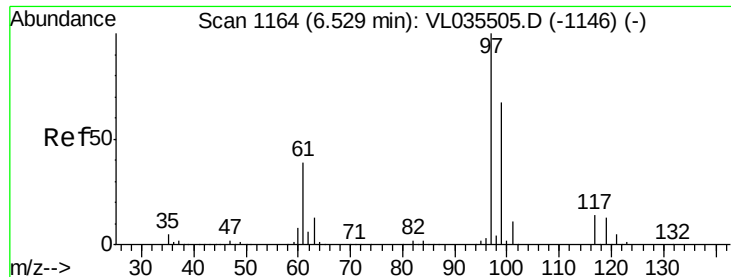
Acq: 8 Sep 2020 23:44

Tgt Ion:	61	Resp:	185596
Ion	Ratio	Lower	Upper
61	100		
96	89.7	74.4	111.6
98	54.1	49.2	73.8



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





#32

1,1,1-Trichloroethane

Concen: 0.066 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.03 min

Lab File: VL035569.D

Acq: 8 Sep 2020 23:44

Instrument :

MSVOA_L

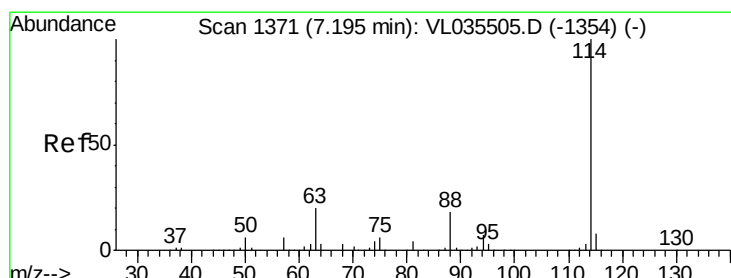
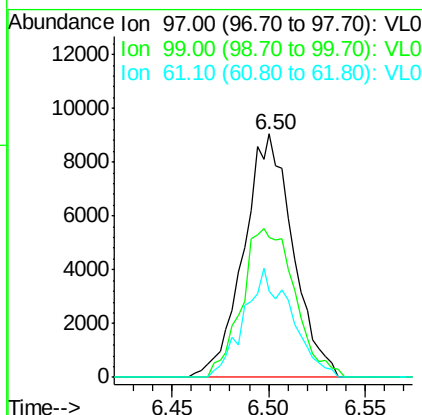
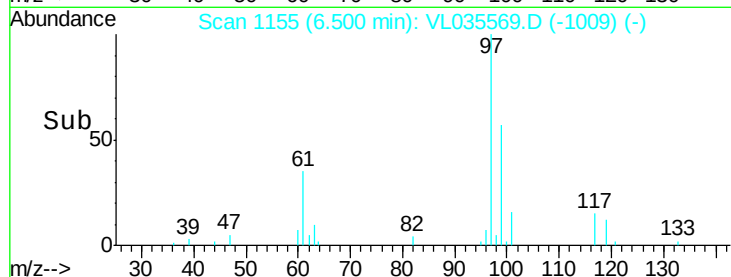
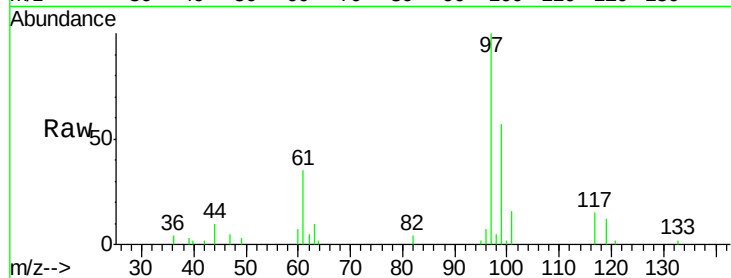
ClientSampleId :

SS-5DL

Tot Ion:	97	Resp:	15982
Ion	Ratio	Lower	Upper
97	100		
99	65.4	53.3	79.9
61	43.0	30.6	46.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

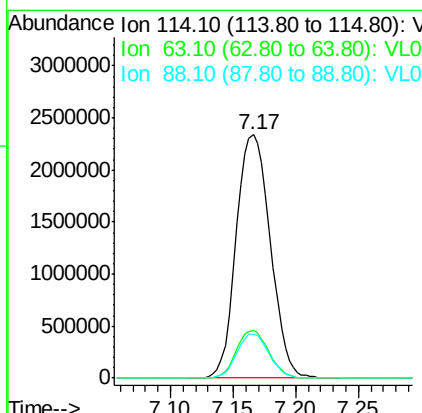
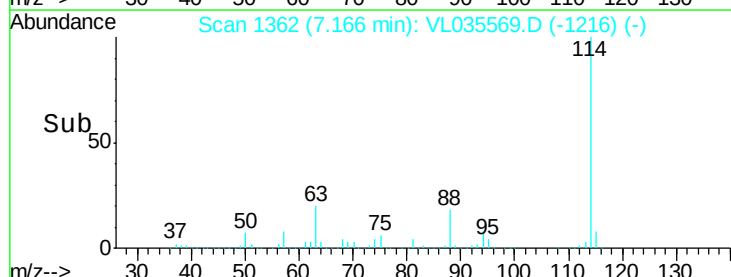
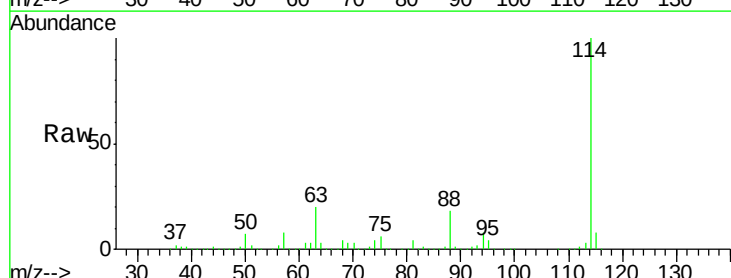
RT: 7.17 min Scan# 1362

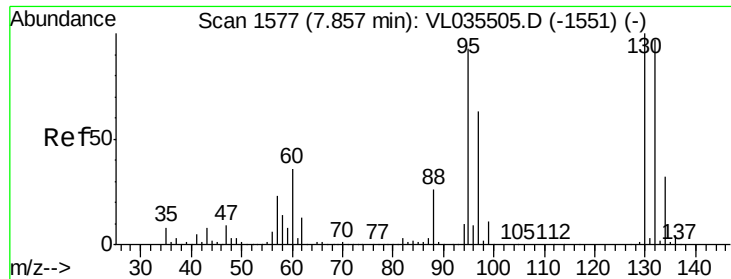
Delta R.T. -0.03 min

Lab File: VL035569.D

Acq: 8 Sep 2020 23:44

Tgt Ion:	114	Resp:	4432170
Ion	Ratio	Lower	Upper
114	100		
63	18.8	14.7	22.1
88	17.1	13.4	20.2





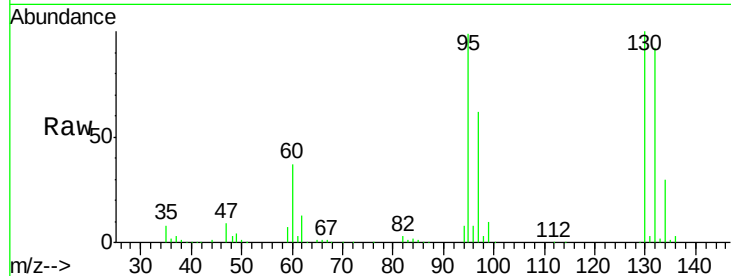
#38
 Trichloroethene
 Concen: 1.534 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL035569.D
 Acq: 8 Sep 2020 23:44

Instrument :
 MSVOA_L
 ClientSampled :
 SS-5DL

Tot Ion:	130	Resp:	255690
Ion Ratio	Lower	Upper	
130	100		
95	99.5	74.6	112.0
132	92.5	77.6	116.4
97	62.1	50.6	76.0

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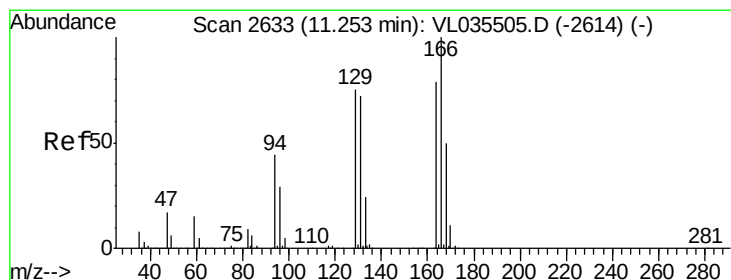
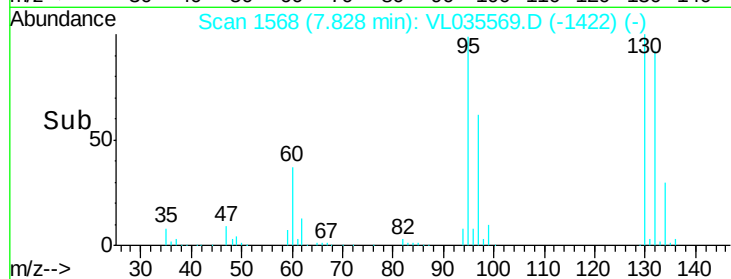
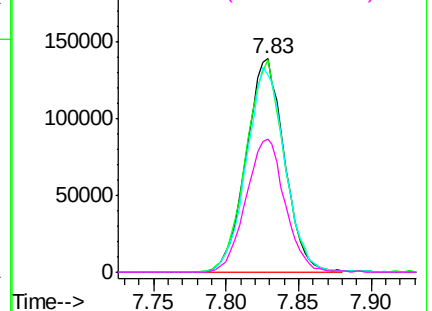
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#52
 Tetrachloroethene
 Concen: 11.432 ppbv
 RT: 11.22 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: VL035569.D
 Acq: 8 Sep 2020 23:44

Tgt Ion:	164	Resp:	1915992
Ion Ratio	Lower	Upper	
164	100		
166	122.8	100.9	151.3
129	96.8	75.3	112.9
131	93.9	73.0	109.4

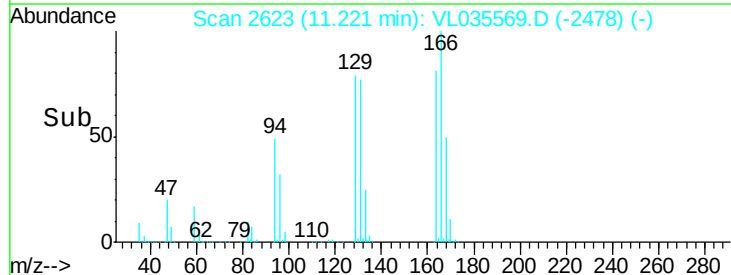
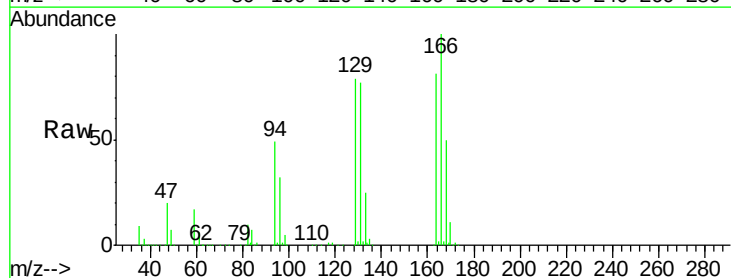
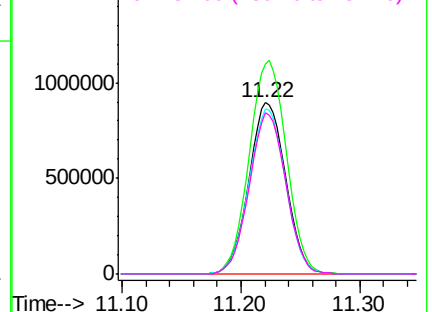
Abundance

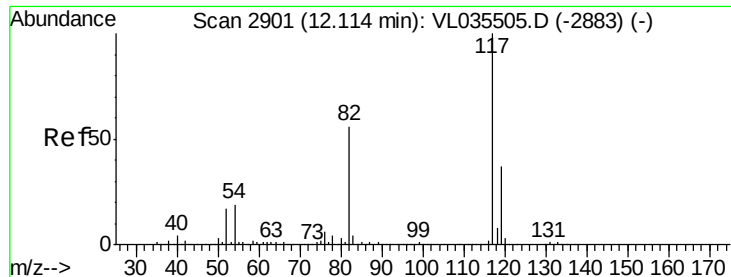
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





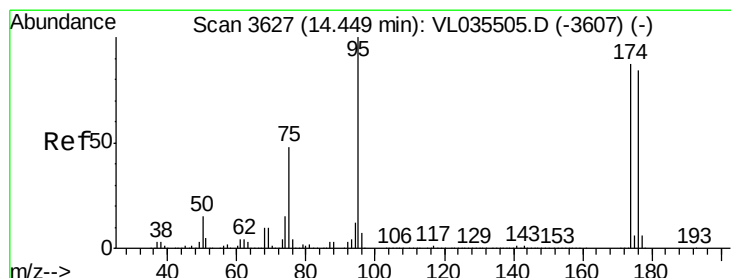
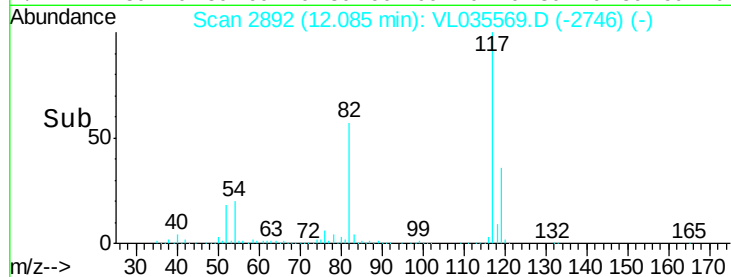
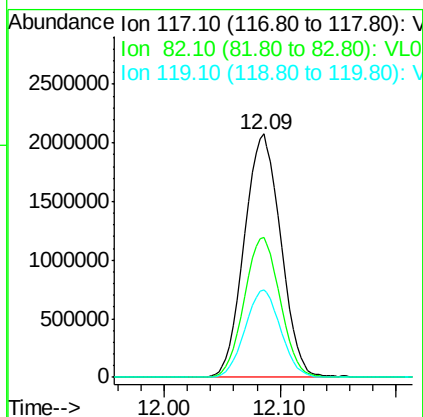
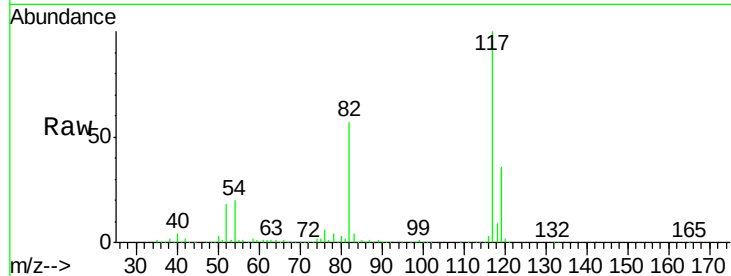
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035569.D
Acq: 8 Sep 2020 23:44

Instrument :
MSVOA_L
ClientSampled :
SS-5DL

Tot Ion:117 Resp: 4560821
Ion Ratio Lower Upper
117 100
82 56.7 41.6 62.4
119 35.1 29.3 43.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.439 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.03 min
Lab File: VL035569.D
Acq: 8 Sep 2020 23:44

Tgt Ion: 95 Resp: 3381051
Ion Ratio Lower Upper
95 100
174 83.2 69.6 104.4
175 5.9 5.1 7.7

