

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035509.D
 Acq On : 27 Aug 2020 4:43
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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 8/28/2020 3:17:32 PM

Quant Time: Aug 27 06:03:52 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 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1068707	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4572331	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4588500	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3308333	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	7491	0.101	ppbv	88
32) 1,1,1-Trichloroethane	6.52	97	19888	0.087	ppbv	98
35) Carbon Tetrachloride	7.03	117	19428m	0.087	ppbv	
38) Trichloroethene	7.85	130	17038	0.103	ppbv #	83
52) Tetrachloroethene	11.25	164	16523	0.095	ppbv	90
63) 1,1,2,2-Tetrachloroethane	13.72	83	28730m	0.097	ppbv	

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

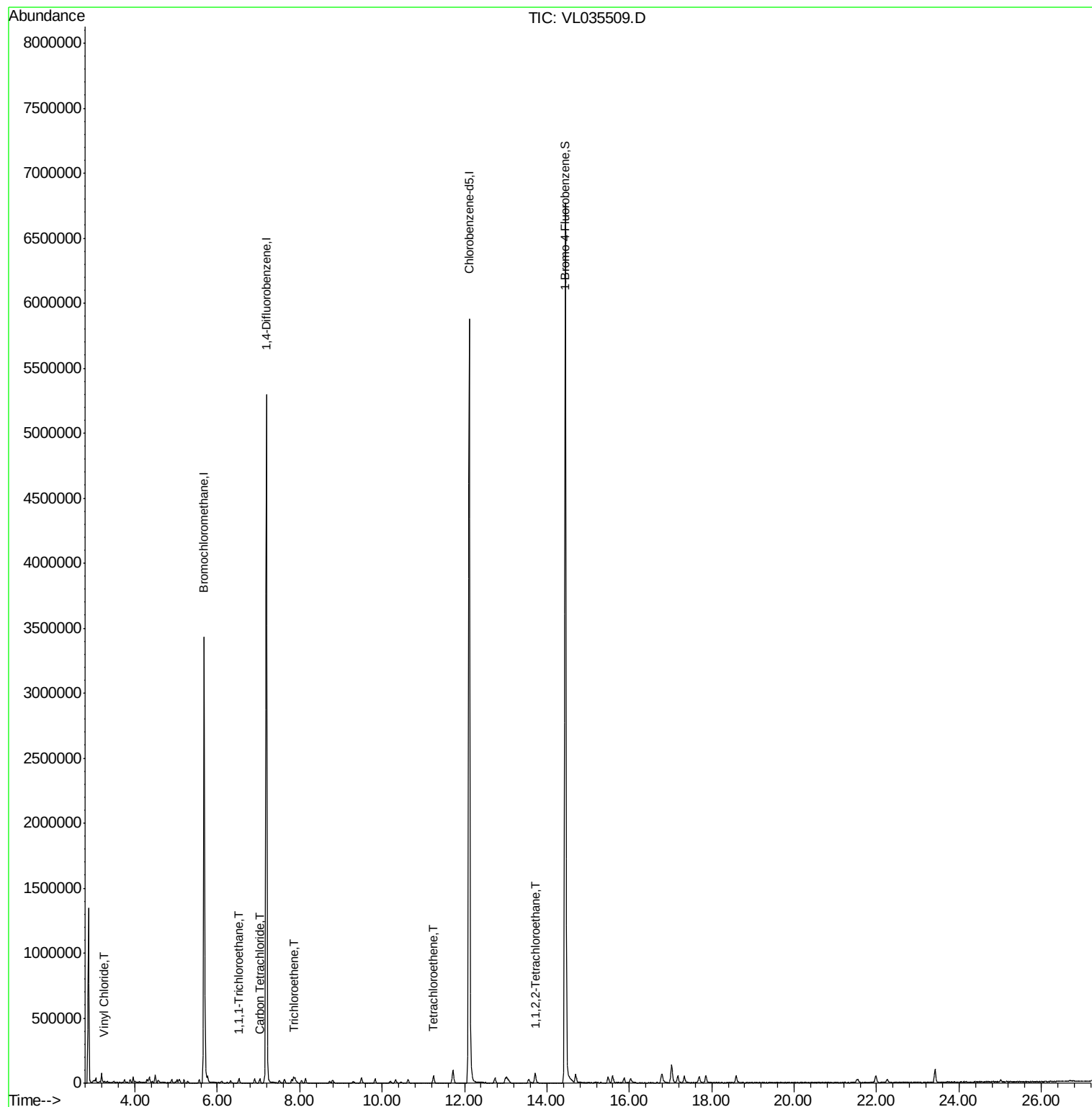
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082720\
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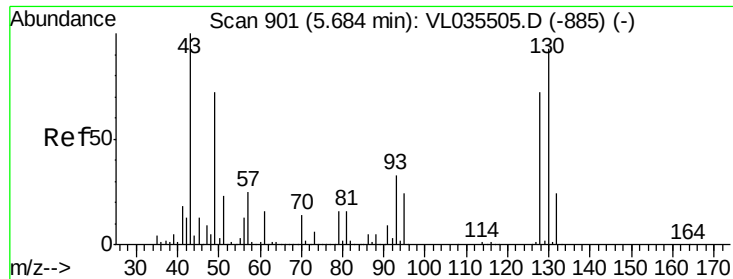
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug
QLast Update : Thu Aug 27 05:32:47 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL035509.D

Acq: 27 Aug 2020 4:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1068707

Ion Ratio Lower Upper

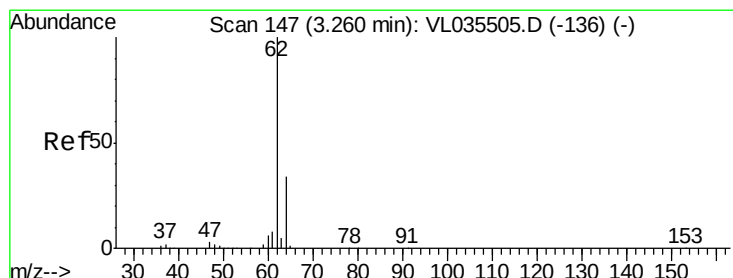
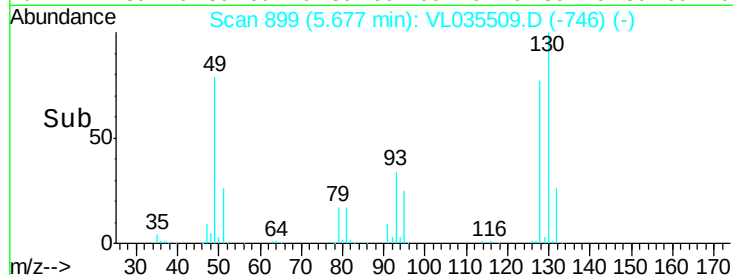
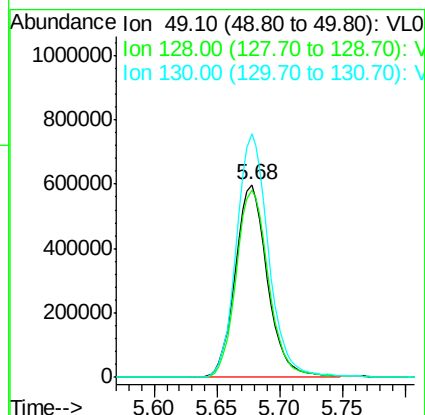
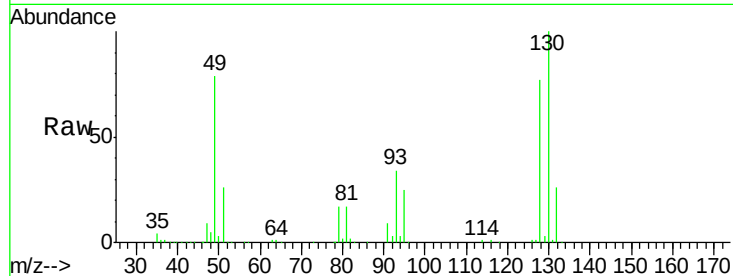
49 100

128 99.0 50.0 150.1

130 127.2 64.4 193.2

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#5

Vinyl Chloride

Concen: 0.101 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035509.D

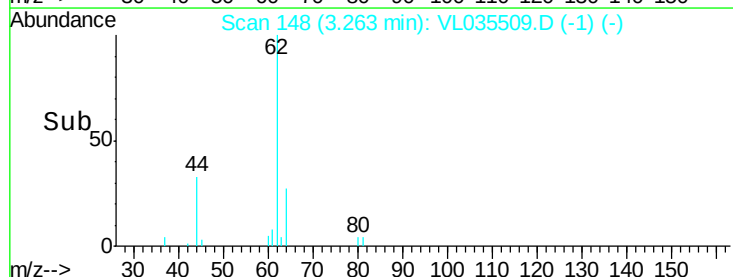
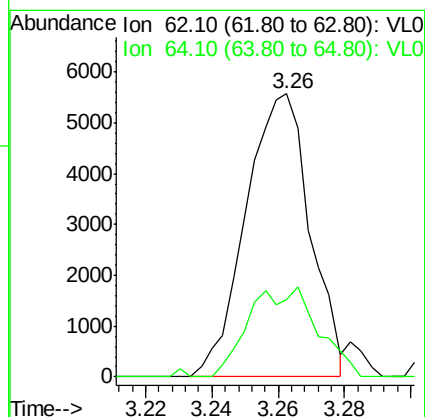
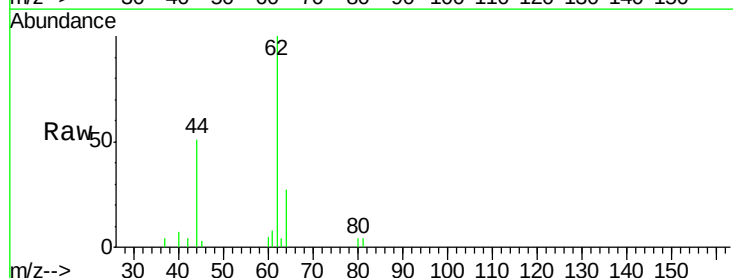
Acq: 27 Aug 2020 4:43

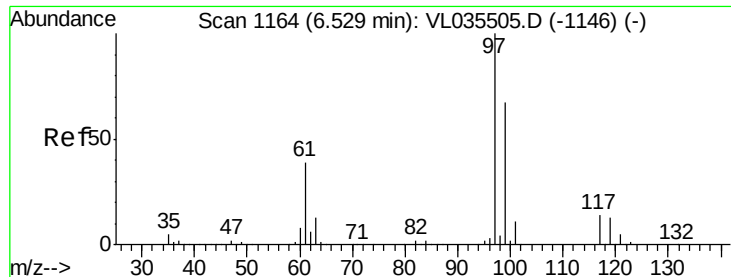
Tgt Ion: 62 Resp: 7491

Ion Ratio Lower Upper

62 100

64 27.5 27.4 41.2





#32

1,1,1-Trichloroethane

Concen: 0.087 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VL035509.D

Acq: 27 Aug 2020 4:43

Instrument :

MSVOA_L

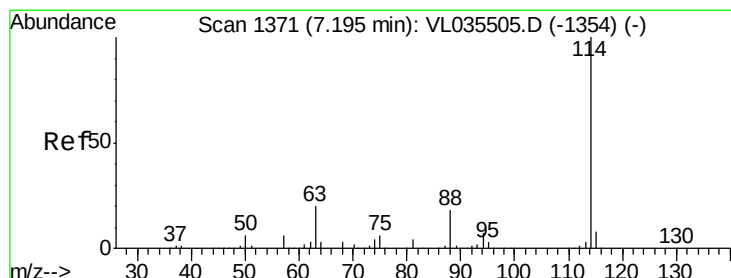
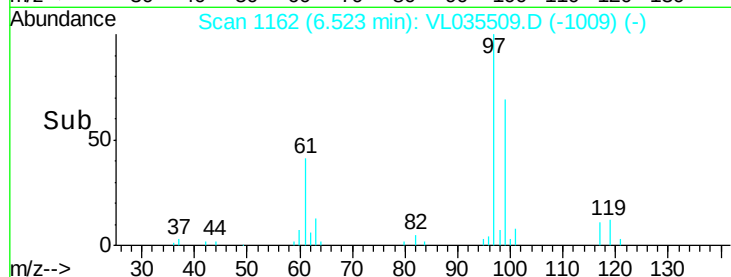
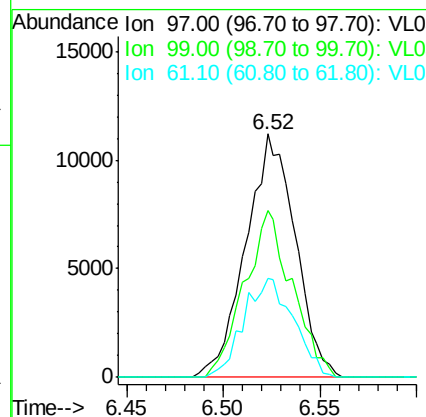
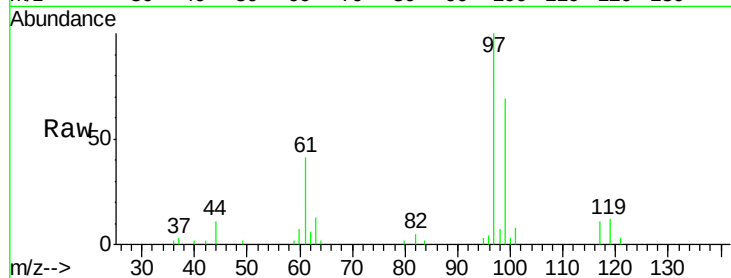
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	19888
Ion	Ratio	Lower	Upper
97	100		
99	66.1	53.3	79.9
61	41.0	30.6	46.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

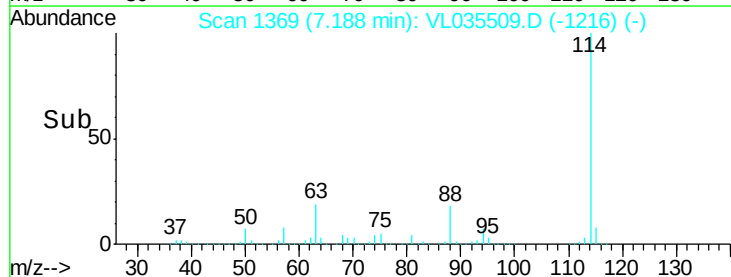
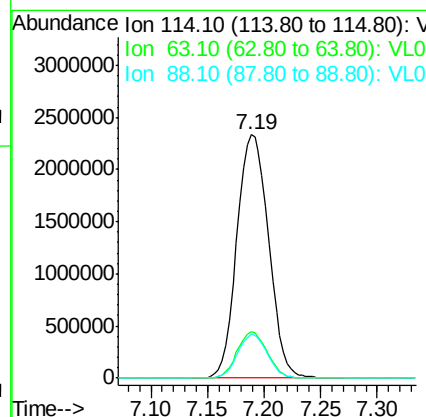
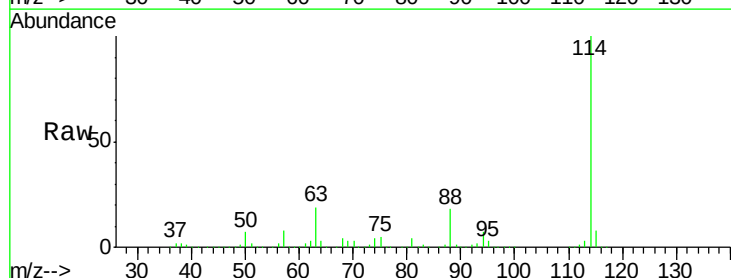
RT: 7.19 min Scan# 1369

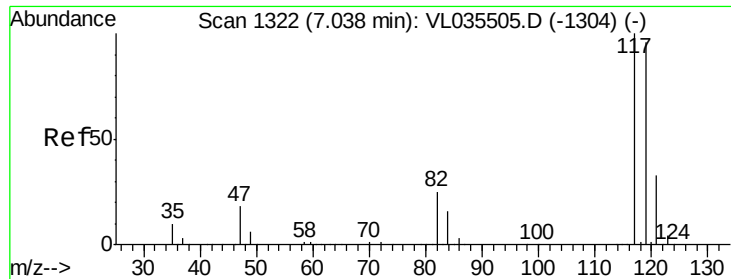
Delta R.T. -0.01 min

Lab File: VL035509.D

Acq: 27 Aug 2020 4:43

Tgt Ion:	114	Resp:	4572331
Ion	Ratio	Lower	Upper
114	100		
63	18.0	14.7	22.1
88	16.8	13.4	20.2





#35

Carbon Tetrachloride

Concen: 0.087 ppbv m

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL035509.D

Acq: 27 Aug 2020 4:43

Instrument :

MSVOA_L

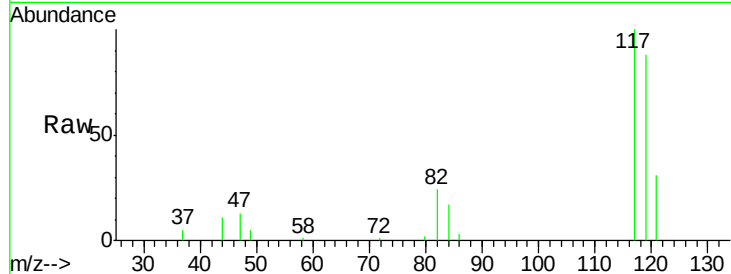
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	19428
Ion Ratio	Lower	Upper	
117	100		
119	88.3	77.2	115.8
121	30.8	26.1	39.1

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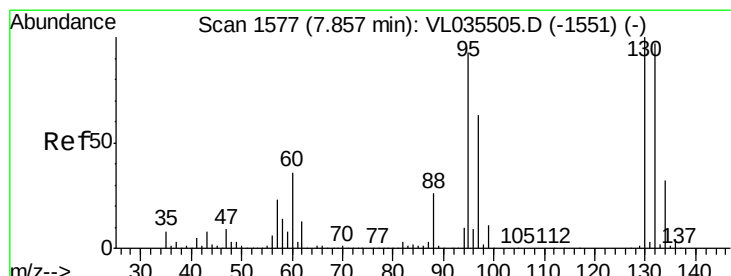
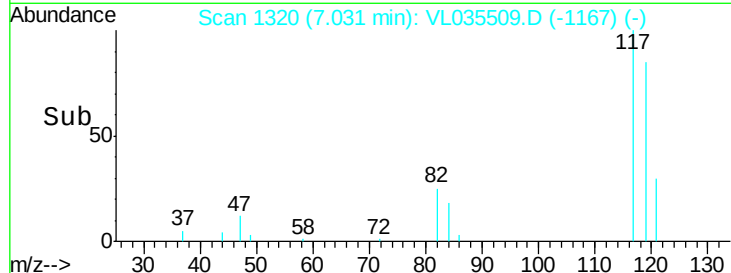
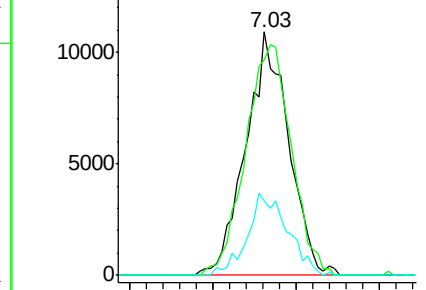


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.103 ppbv

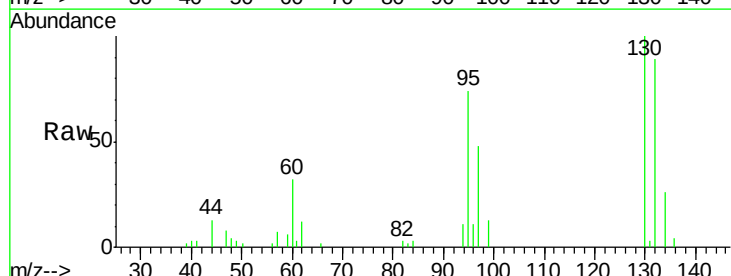
RT: 7.85 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VL035509.D

Acq: 27 Aug 2020 4:43

Tgt Ion:	130	Resp:	17038
Ion Ratio	Lower	Upper	
130	100		
95	71.5	74.6	112.0#
132	88.7	77.6	116.4
97	47.8	50.6	76.0#



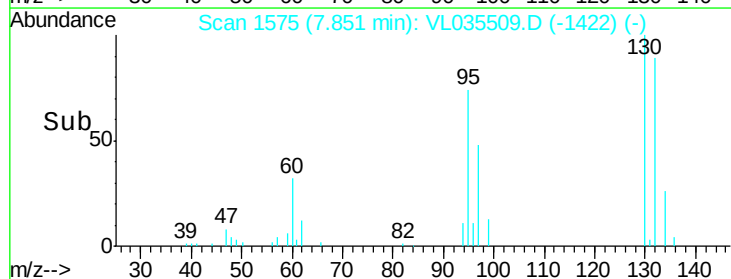
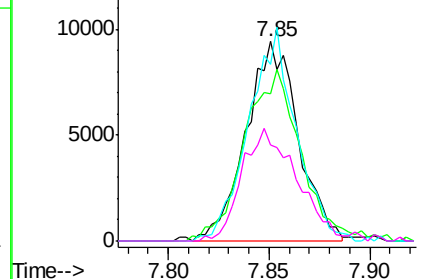
Abundance

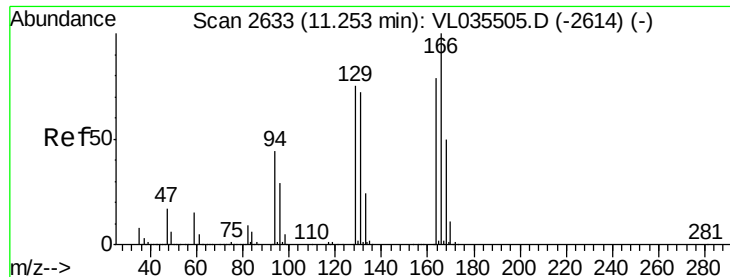
Ion 130.00 (129.70 to 130.70): V

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





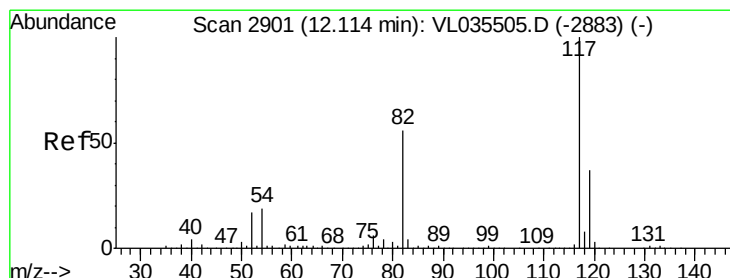
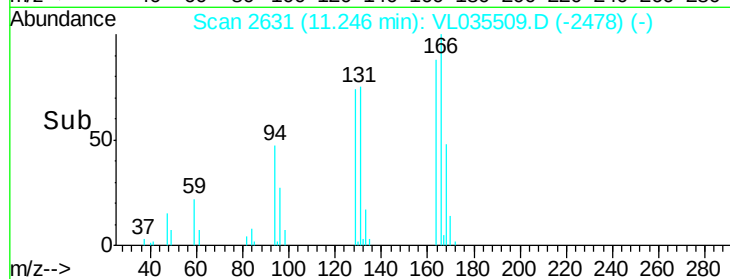
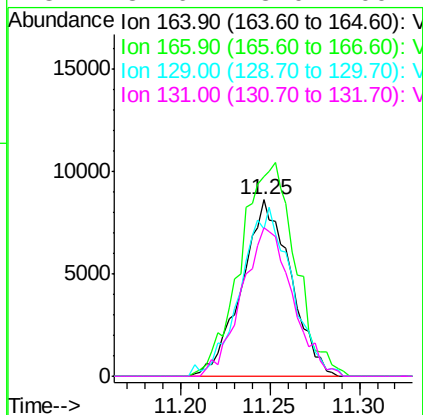
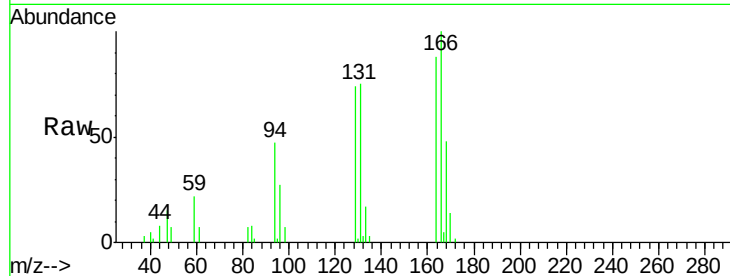
#52
Tetrachloroethene
Concen: 0.095 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL035509.D
Acq: 27 Aug 2020 4:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	164	Resp	16523
Ion Ratio	Lower	Upper	
164	100		
166	113.1	100.9	151.3
129	83.7	75.3	112.9
131	84.6	73.0	109.4

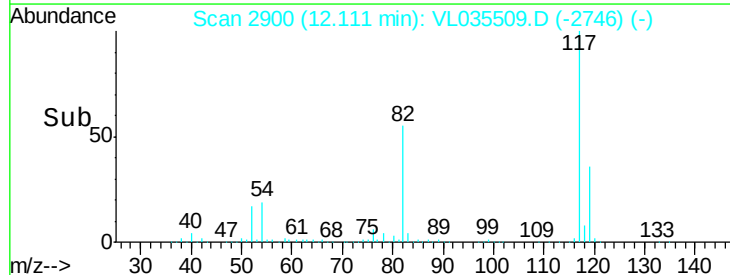
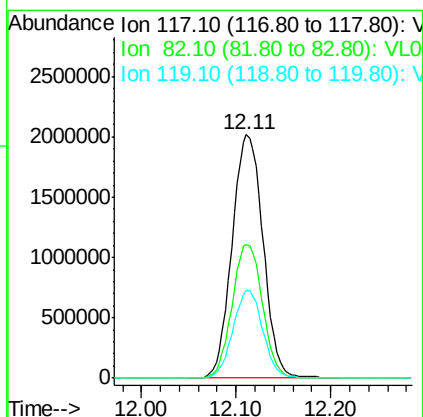
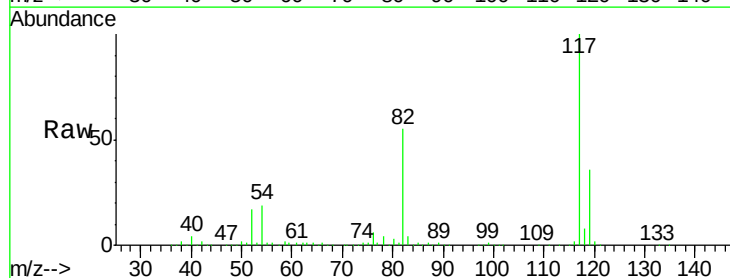
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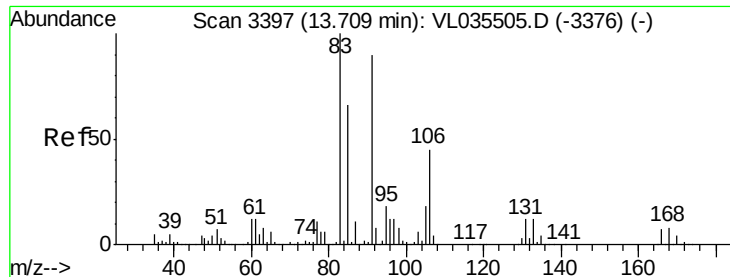
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035509.D
Acq: 27 Aug 2020 4:43

Tgt Ion	117	Resp	4588500
Ion Ratio	Lower	Upper	
117	100		
82	54.3	41.6	62.4
119	34.9	29.3	43.9





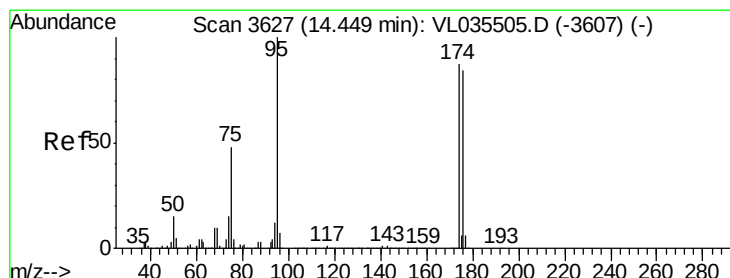
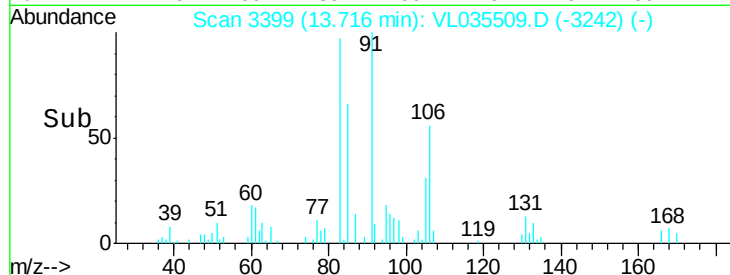
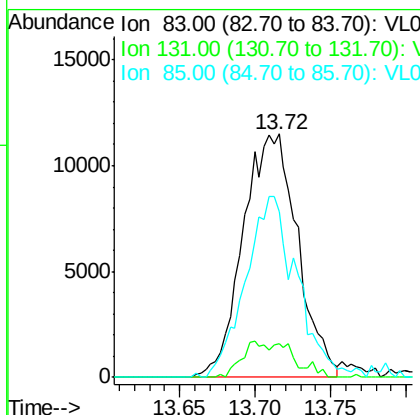
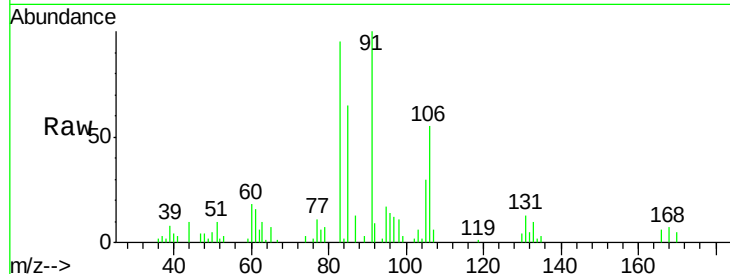
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv m
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035509.D
 Acq: 27 Aug 2020 4:43

Instrument :
 MSVOA_L
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 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	6.0	18.0#
85	0.0	33.4	100.2#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.171 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL035509.D
 Acq: 27 Aug 2020 4:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	69.6	104.4
175	6.6	5.1	7.7

