

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034780.D
 Acq On : 4 Mar 2020 3:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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Quant Time: Mar 04 06:29:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 04 2020
 QLast Update : Wed Mar 04 05:54:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1076570	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2169098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2149254	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1822979	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds					Ovalue
5) Vinyl Chloride	3.24	62	7596m	0.119	ppbv
32) 1,1,1-Trichloroethane	6.54	97	15710m	0.105	ppbv
35) Carbon Tetrachloride	7.04	117	16738m	0.115	ppbv
38) Trichloroethene	7.86	130	6813m	0.094	ppbv
52) Tetrachloroethene	11.27	164	7530m	0.109	ppbv
63) 1,1,2,2-Tetrachloroethane	13.73	83	19000m	0.108	ppbv

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

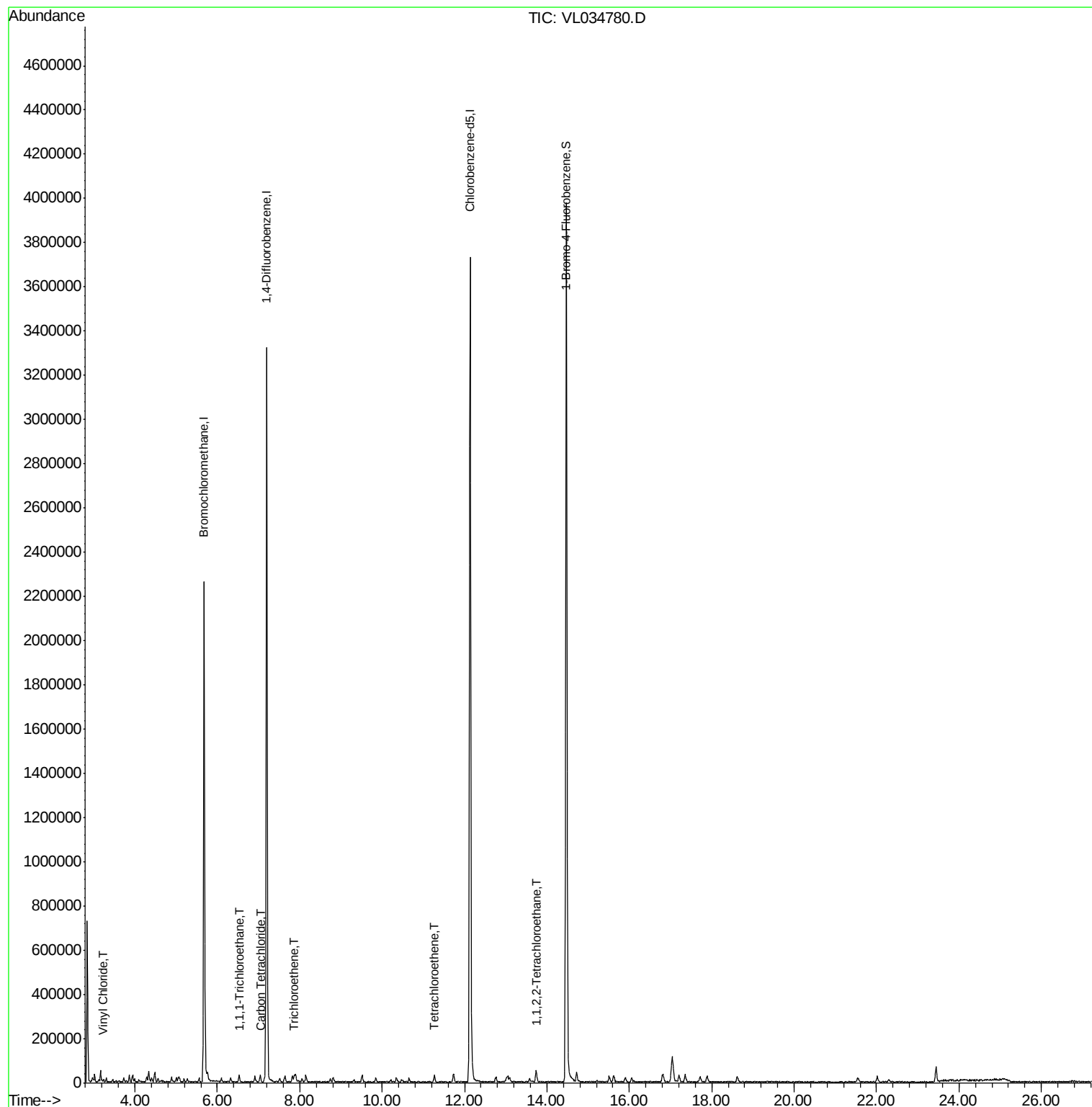
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030420\
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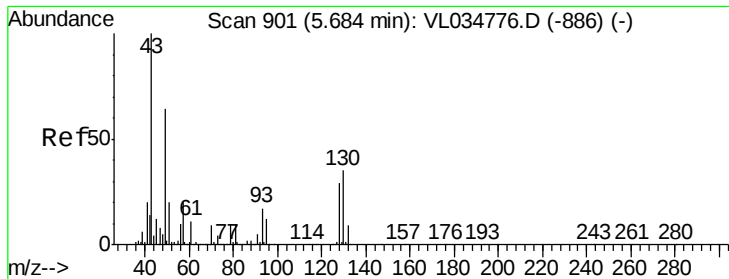
Instrument :
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#1

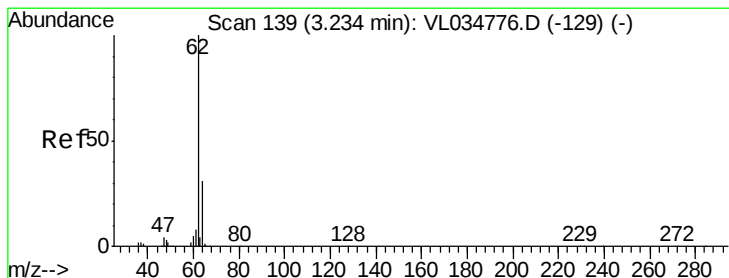
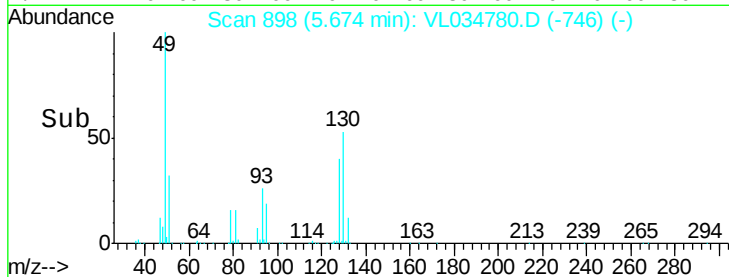
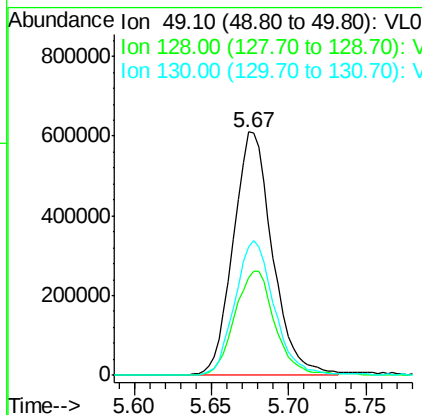
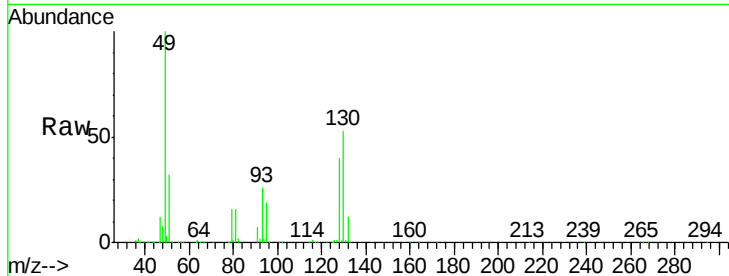
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VL034780.D
 Acq: 4 Mar 2020 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion: 49 Resp: 1076570
 Ion Ratio Lower Upper
 49 100
 128 44.2 21.6 64.6
 130 55.8 27.4 82.2

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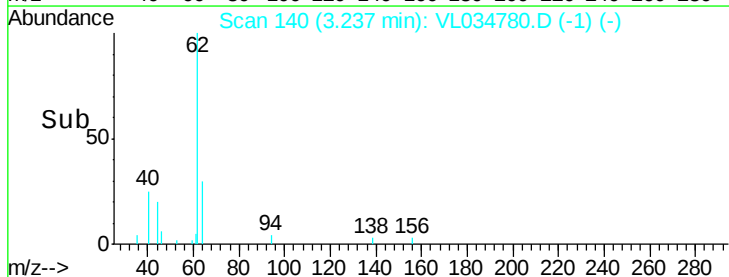
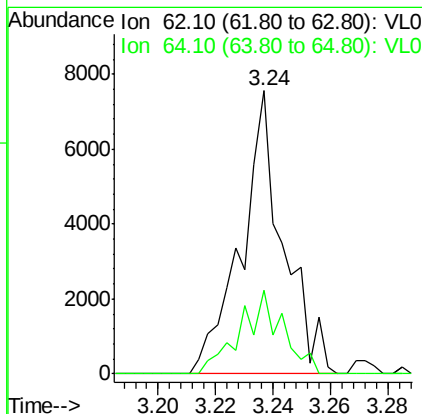
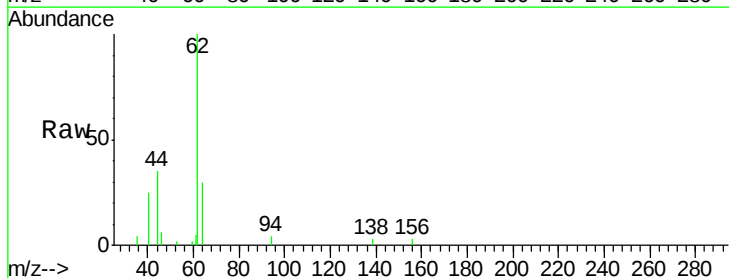
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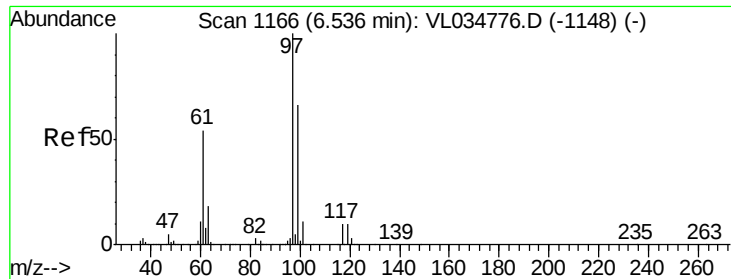


#5

Vinyl Chloride
 Concen: 0.119 ppbv m
 RT: 3.24 min Scan# 140
 Delta R.T. 0.00 min
 Lab File: VL034780.D
 Acq: 4 Mar 2020 3:57

Tgt Ion: 62 Resp: 7596
 Ion Ratio Lower Upper
 62 100
 64 29.7 25.1 37.7





#32

1,1,1-Trichloroethane

Concen: 0.105 ppbv m

RT: 6.54 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VL034780.D

Acq: 4 Mar 2020 3:57

Instrument :

MSVOA_L

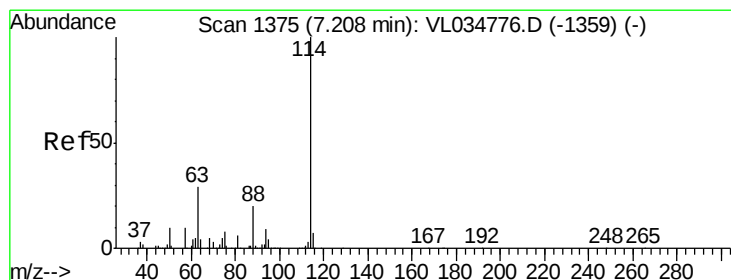
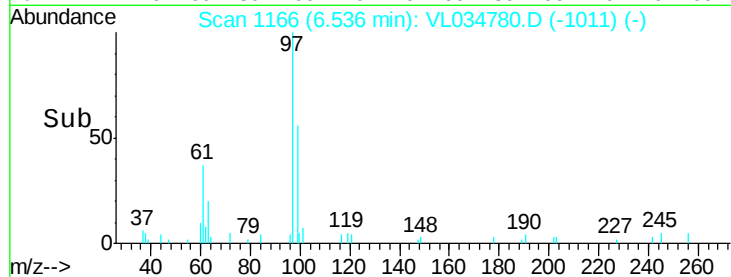
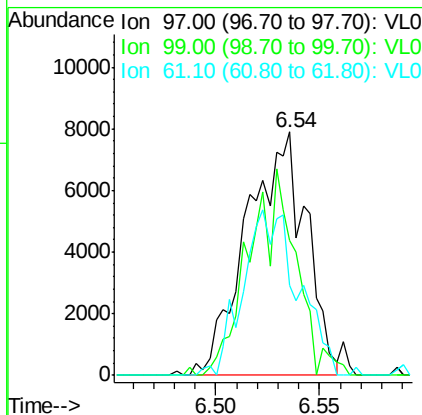
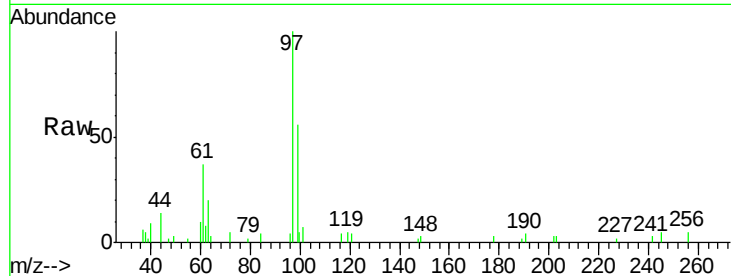
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	15710
Ion Ratio	Lower	Upper	
97	100		
99	67.8	51.7	77.5
61	63.7	43.4	65.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

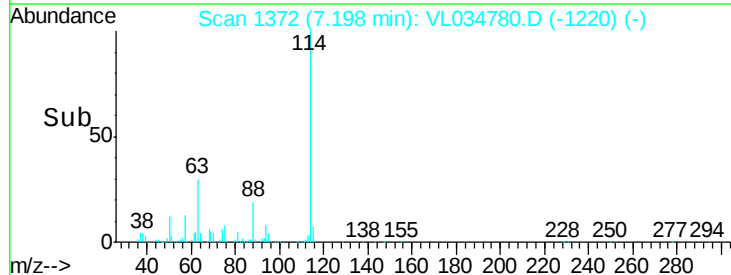
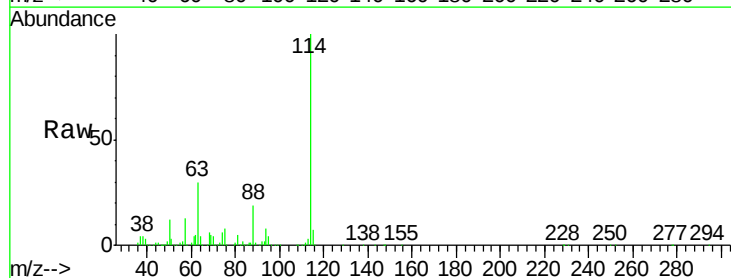
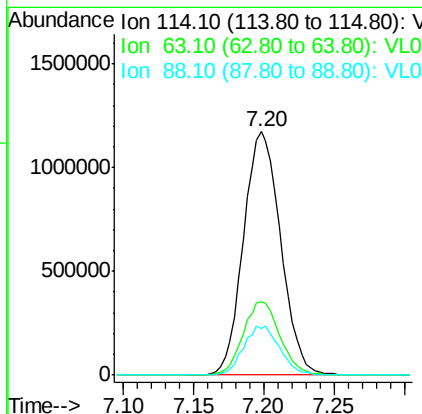
RT: 7.20 min Scan# 1372

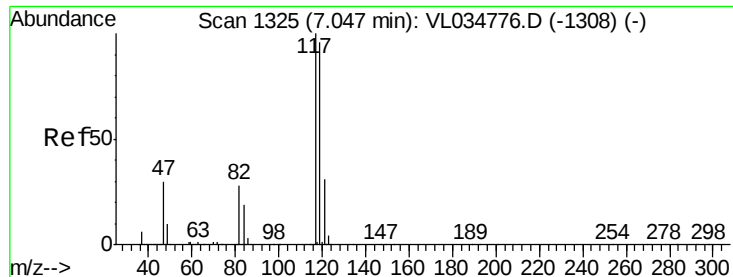
Delta R.T. -0.01 min

Lab File: VL034780.D

Acq: 4 Mar 2020 3:57

Tgt Ion:	114	Resp:	2169098
Ion Ratio	Lower	Upper	
114	100		
63	30.0	23.6	35.4
88	19.7	15.8	23.8





#35

Carbon Tetrachloride

Concen: 0.115 ppbv m

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034780.D

Acq: 4 Mar 2020 3:57

Instrument :

MSVOA_L

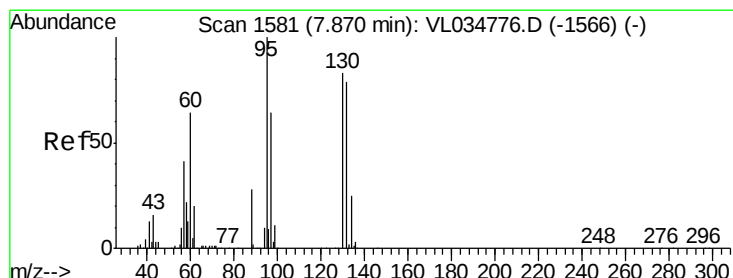
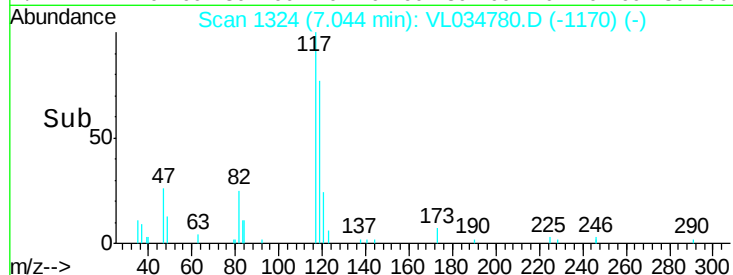
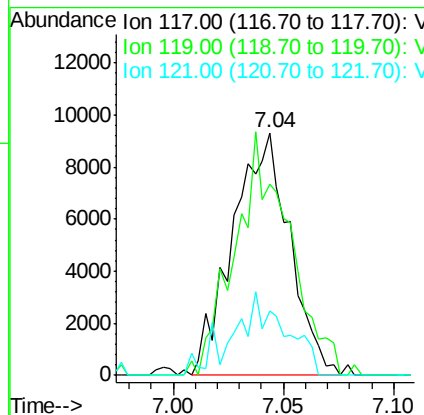
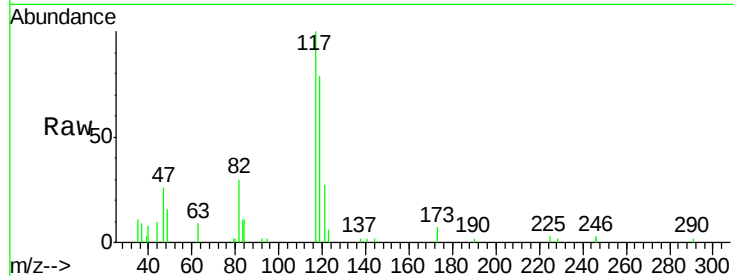
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	16738
Ion Ratio	Lower	Upper	
117	100		
119	78.7	76.8	115.2
121	26.5	24.6	37.0

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#38

Trichloroethene

Concen: 0.094 ppbv m

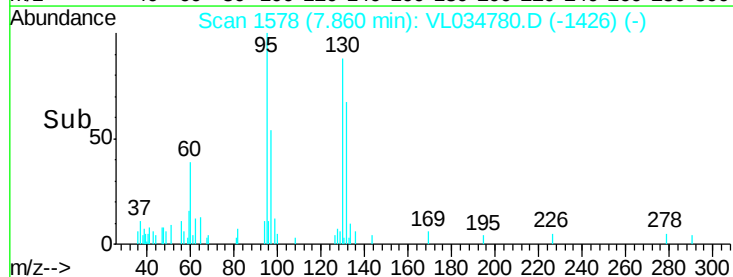
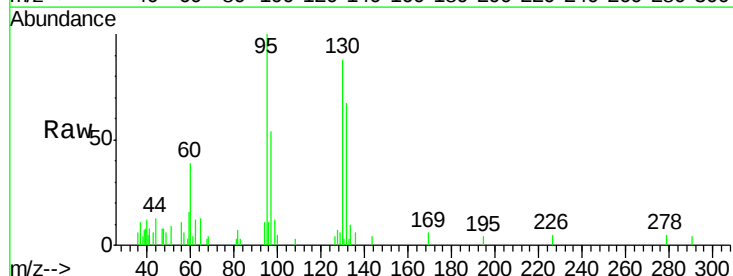
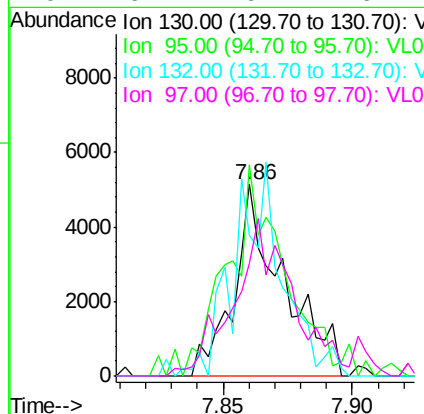
RT: 7.86 min Scan# 1578

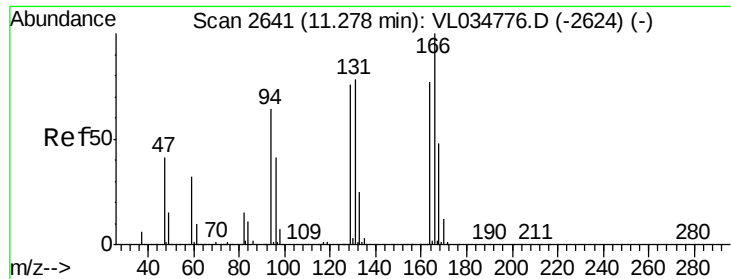
Delta R.T. -0.01 min

Lab File: VL034780.D

Acq: 4 Mar 2020 3:57

Tgt Ion:	130	Resp:	6813
Ion Ratio	Lower	Upper	
130	100		
95	114.3	95.8	143.8
132	76.4	76.1	114.1
97	61.2	61.1	91.7





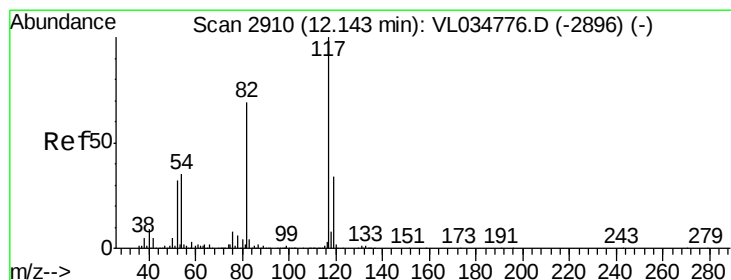
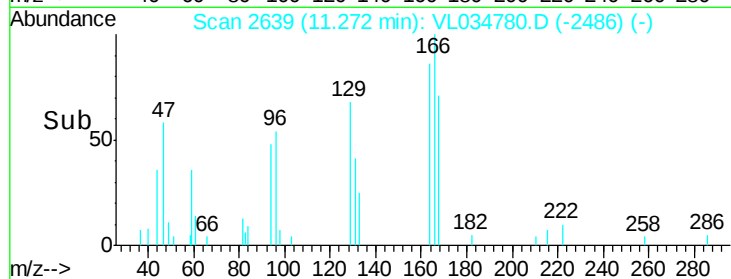
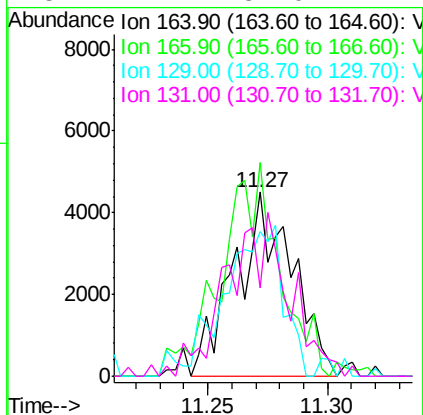
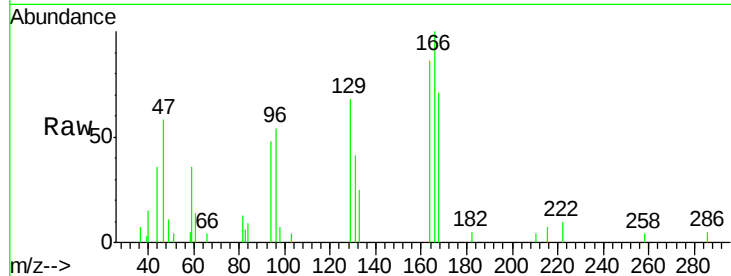
#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 11.27 min Scan# 2639
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	116.0	103.3	154.9
129	78.8	79.0	118.4#
131	47.7	81.0	121.4#

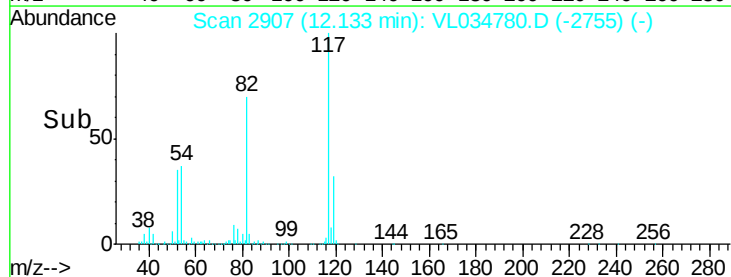
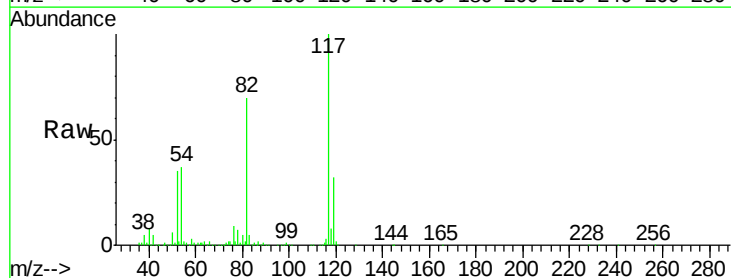
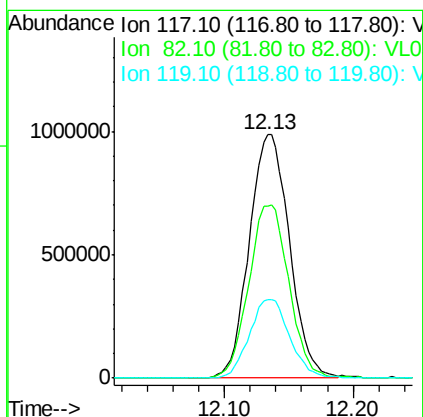
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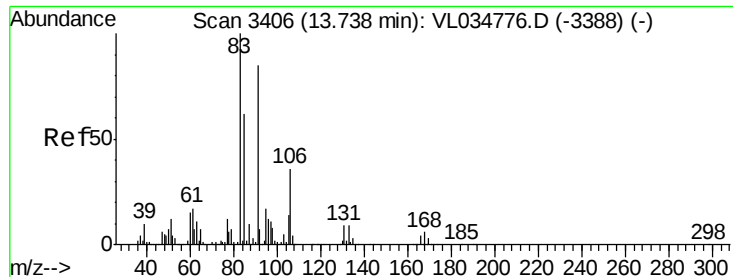
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.5	53.9	80.9
119	32.5	25.0	37.4





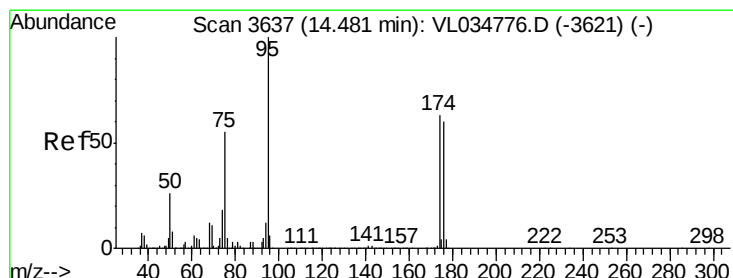
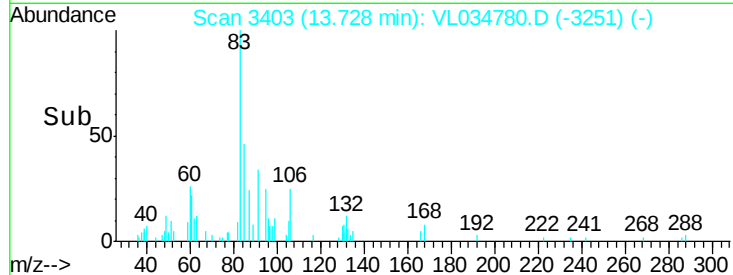
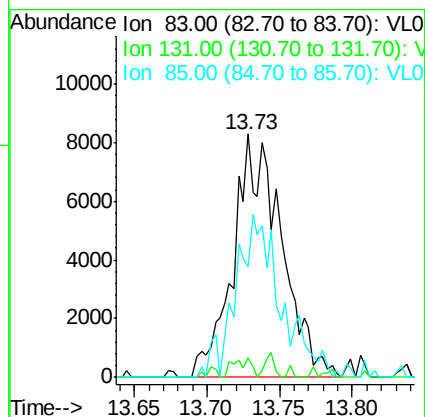
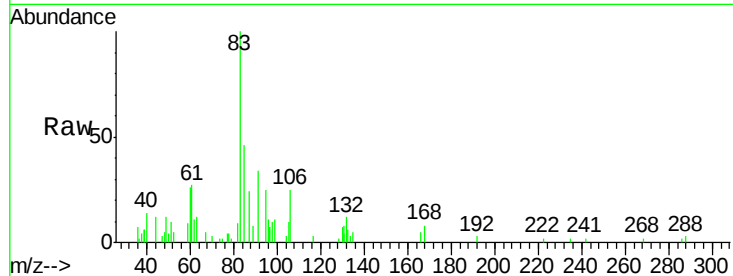
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.108 ppbv m
 RT: 13.73 min Scan# 3403
 Delta R.T. -0.01 min
 Lab File: VL034780.D
 Acq: 4 Mar 2020 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	83	Resp	19000
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	64.7	32.9	98.7

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.344 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034780.D
 Acq: 4 Mar 2020 3:57

Tgt Ion	95	Resp	1822979
Ion Ratio	100	Lower	Upper
95	100		
174	63.2	50.6	76.0
175	4.5	3.8	5.6

