

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035510.D
 Acq On : 27 Aug 2020 5:20
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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 8/28/2020 3:17:36 PM

Quant Time: Aug 27 06:40:53 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	1037075	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4429438	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4457802	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3232414	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	3007m	0.042	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	8591m	0.039	ppbv	
35) Carbon Tetrachloride	7.03	117	7756	0.036	ppbv	# 75
38) Trichloroethene	7.85	130	6981m	0.043	ppbv	
52) Tetrachloroethene	11.24	164	6085m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	12760m	0.044	ppbv	

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

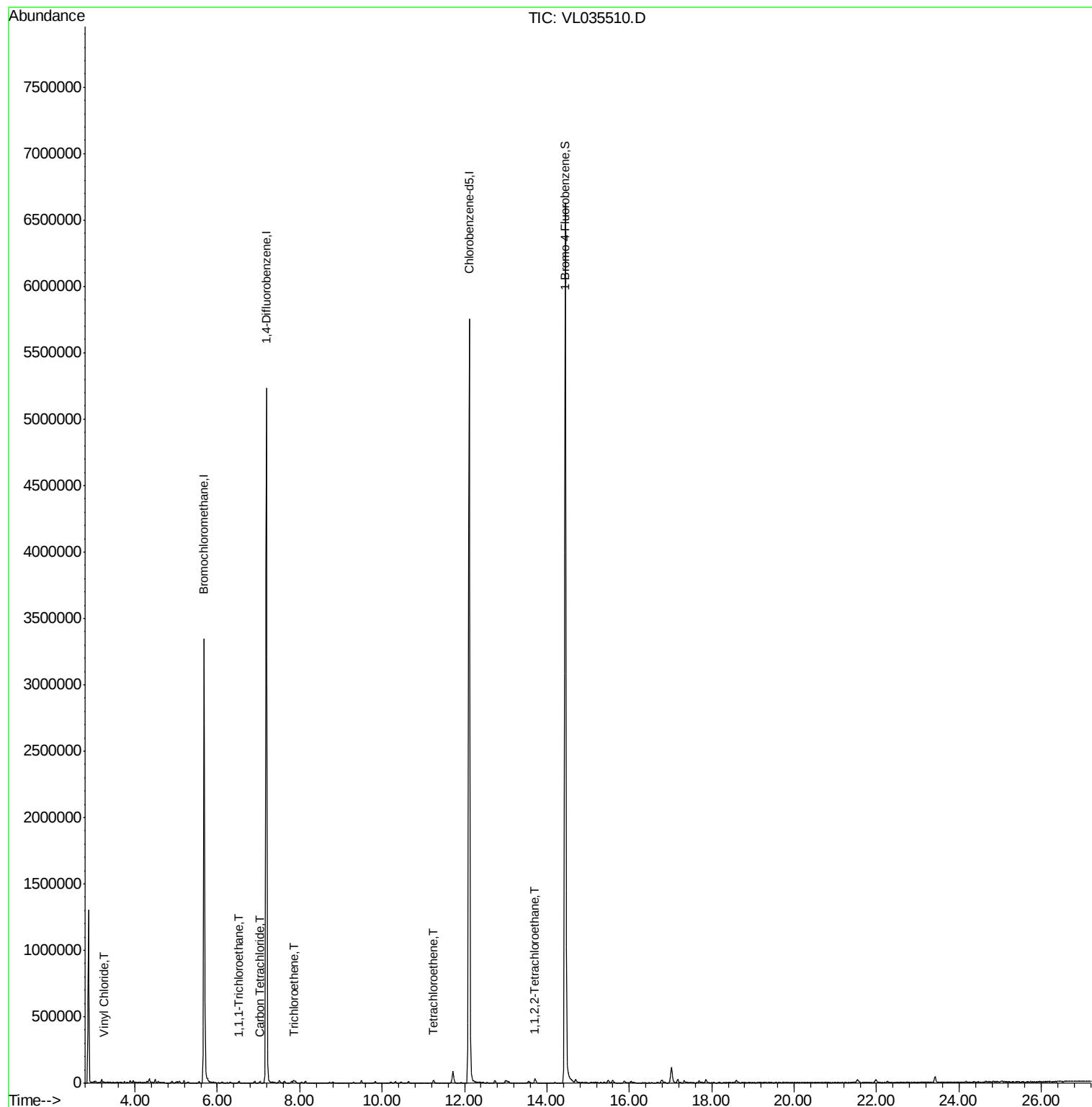
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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QLast Update : Thu Aug 27 05:32:47 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1037075

Ion Ratio Lower Upper

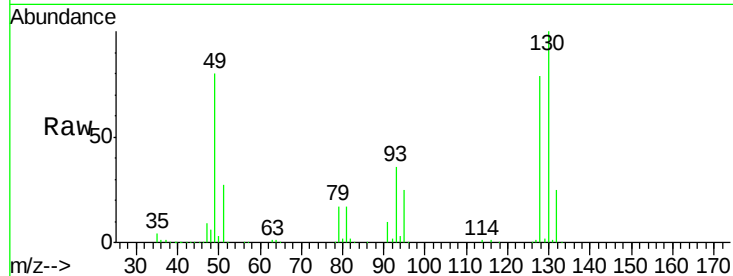
49 100

128 99.6 50.0 150.1

130 127.6 64.4 193.2

Manual Integrations
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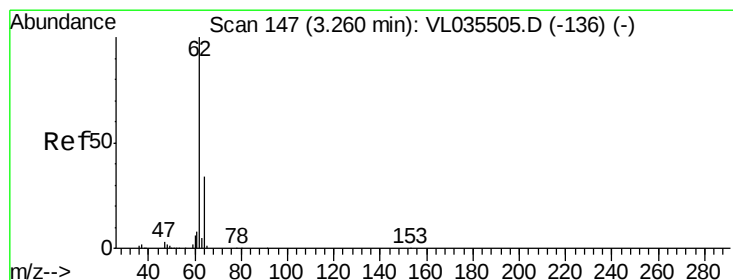
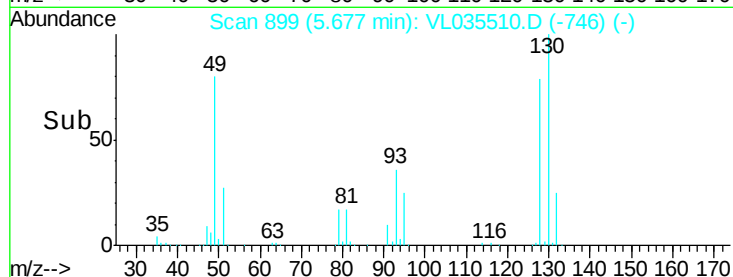
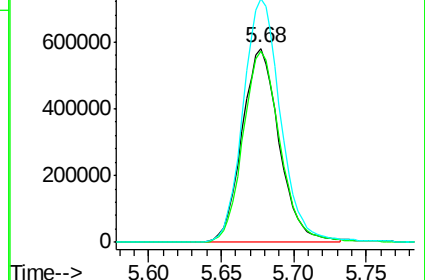
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.042 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL035510.D

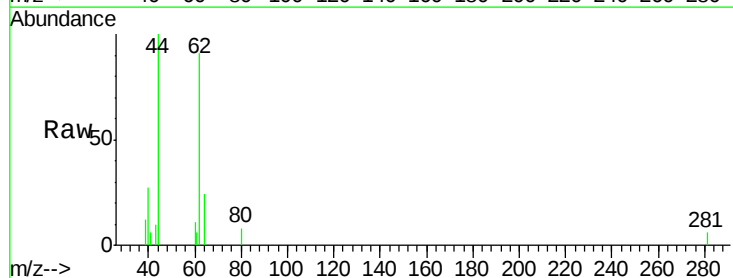
Acq: 27 Aug 2020 5:20

Tgt Ion: 62 Resp: 3007

Ion Ratio Lower Upper

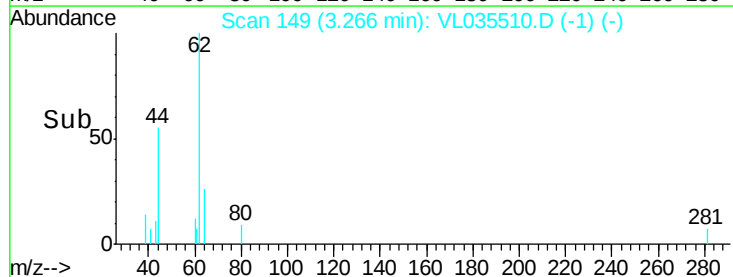
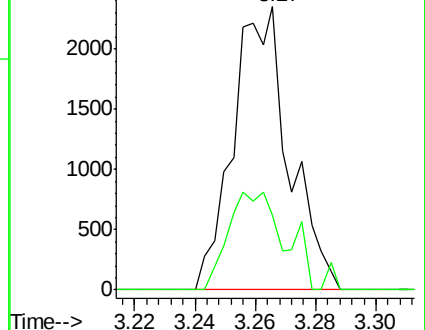
62 100

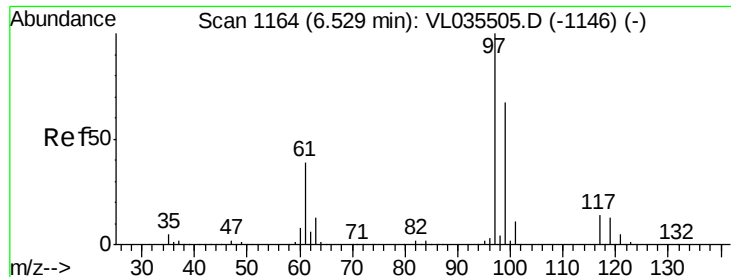
64 26.2 27.4 41.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.039 ppbv m

RT: 6.52 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Instrument :

MSVOA_L

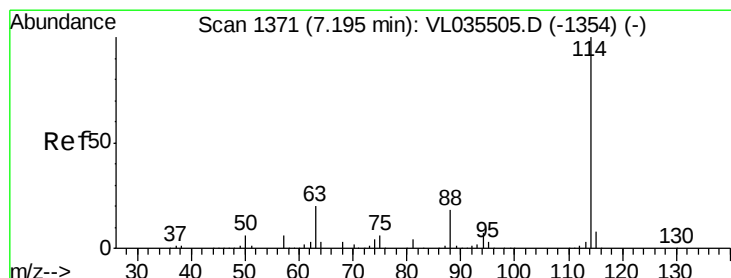
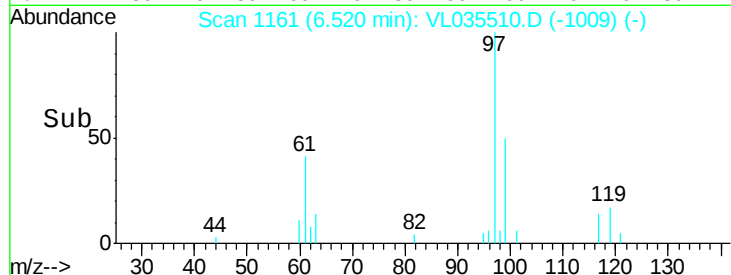
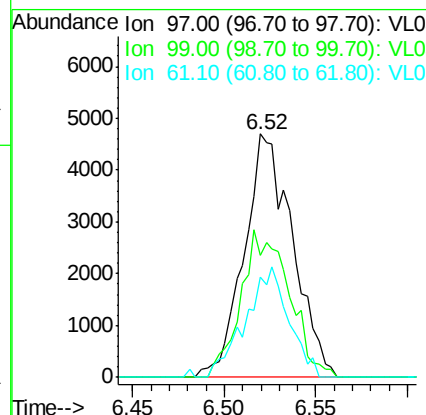
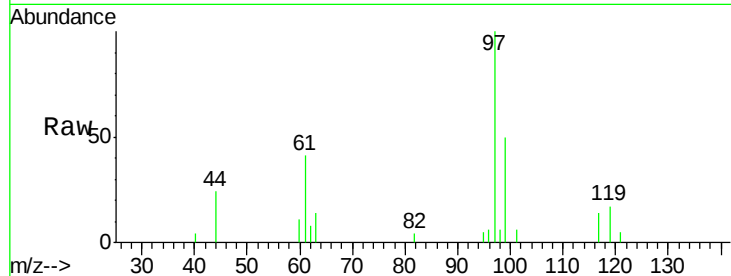
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	8591
Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.3	79.9#
61	41.0	30.6	46.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

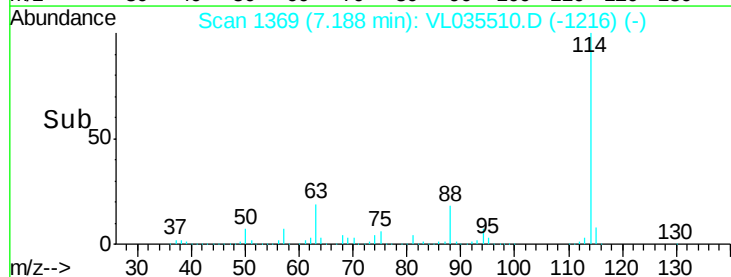
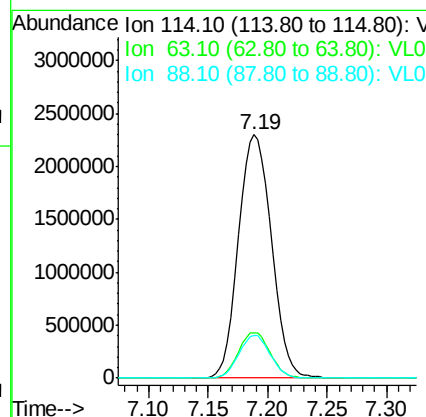
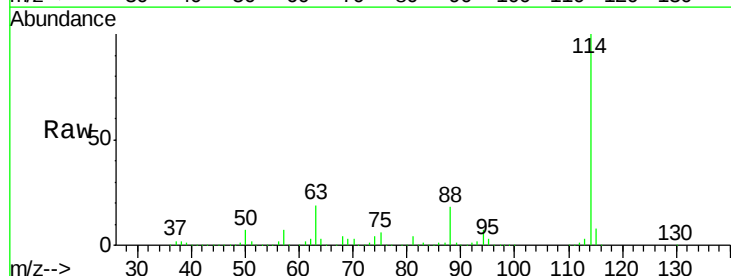
RT: 7.19 min Scan# 1369

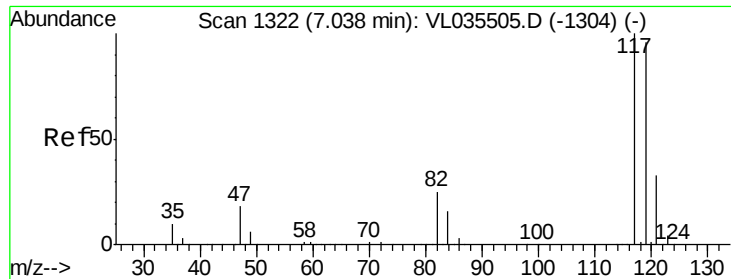
Delta R.T. -0.01 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Tgt Ion:	114	Resp:	4429438
Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.7	22.1
88	16.7	13.4	20.2





#35

Carbon Tetrachloride

Concen: 0.036 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Instrument :

MSVOA_L

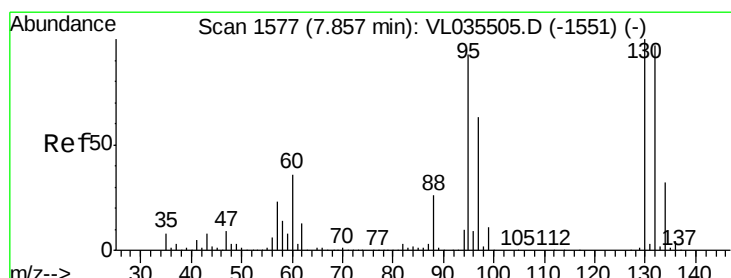
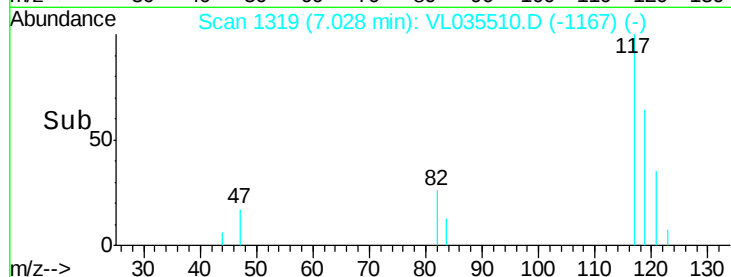
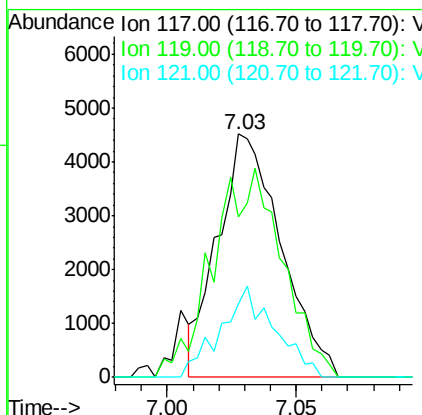
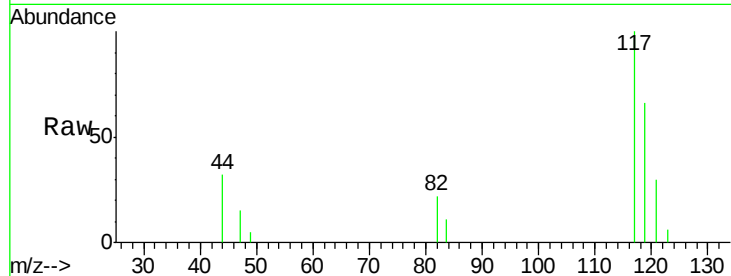
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	7756
Ion Ratio	Lower	Upper	
117	100		
119	65.8	77.2	115.8#
121	29.9	26.1	39.1

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#38

Trichloroethene

Concen: 0.043 ppbv m

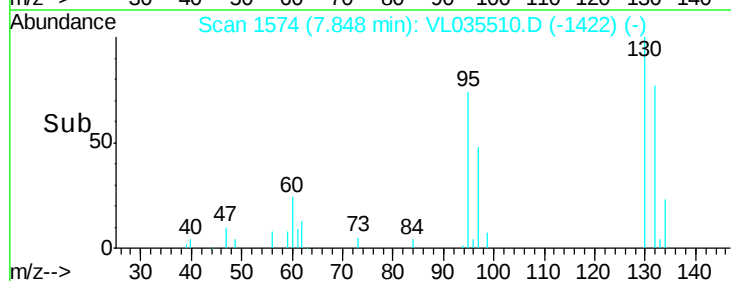
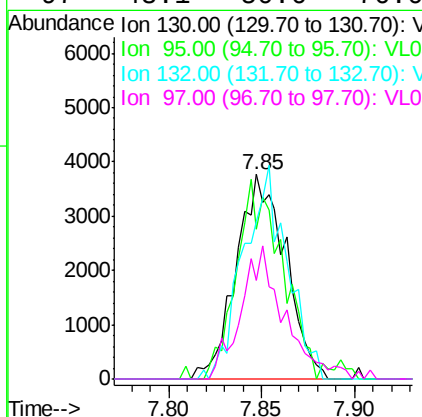
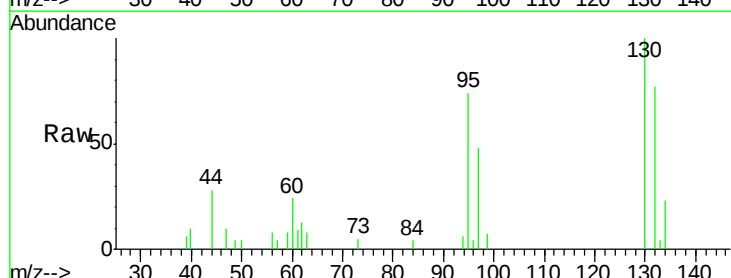
RT: 7.85 min Scan# 1574

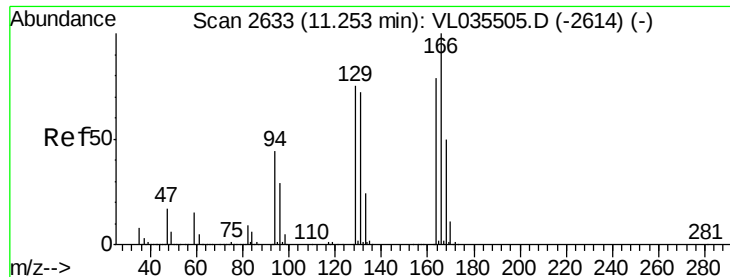
Delta R.T. -0.01 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Tgt Ion:	130	Resp:	6981
Ion Ratio	Lower	Upper	
130	100		
95	73.5	74.6	112.0#
132	76.8	77.6	116.4#
97	48.1	50.6	76.0#





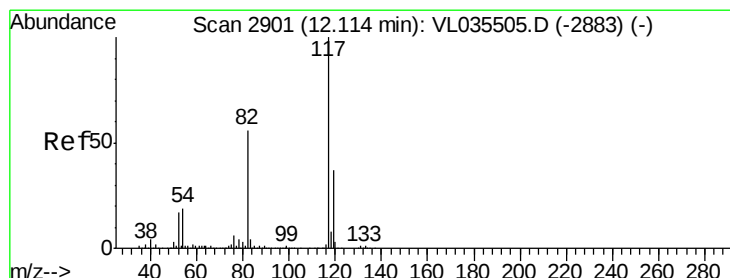
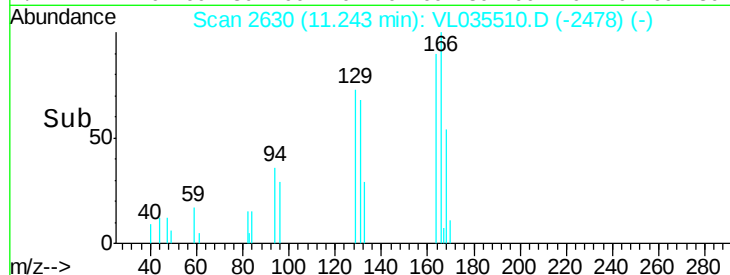
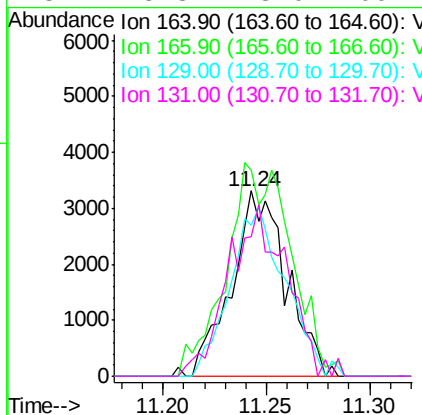
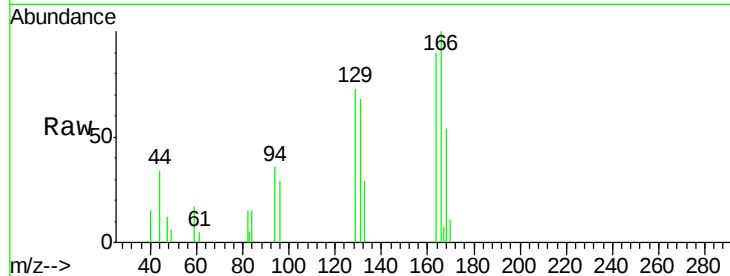
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. -0.01 min
Lab File: VL035510.D
Acq: 27 Aug 2020 5:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	111.2	100.9	151.3
129	81.1	75.3	112.9
131	75.3	73.0	109.4

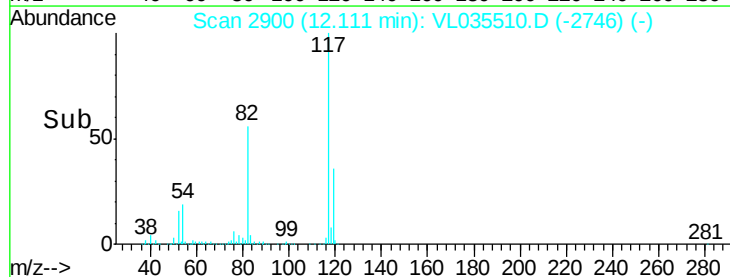
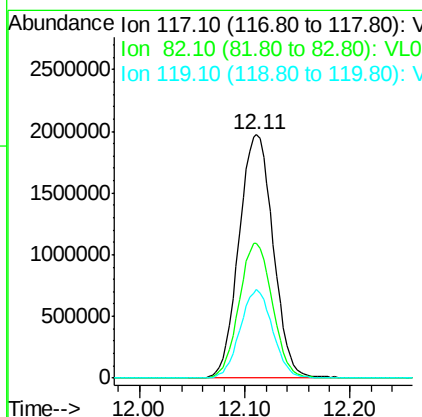
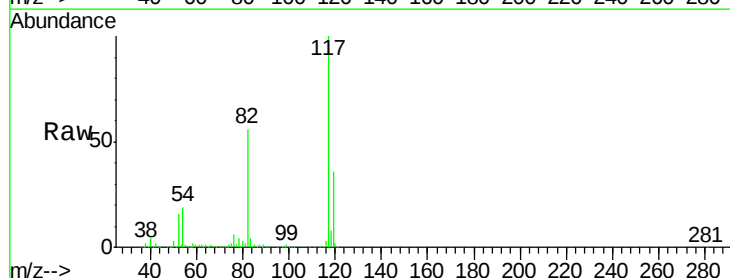
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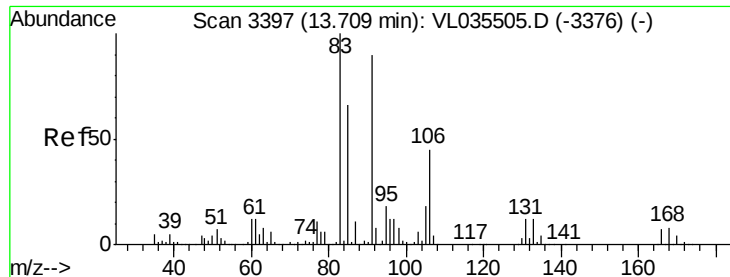
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035510.D
Acq: 27 Aug 2020 5:20

Tgt 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: 0.044 ppbv m

RT: 13.71 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Instrument :

MSVOA_L

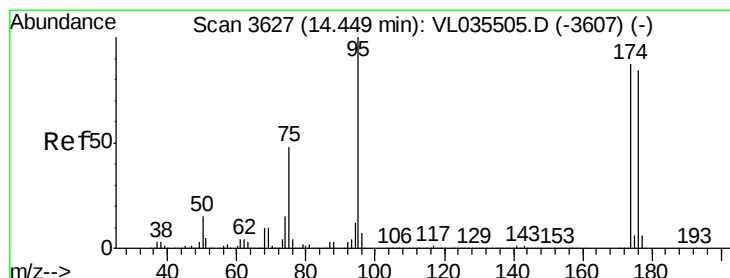
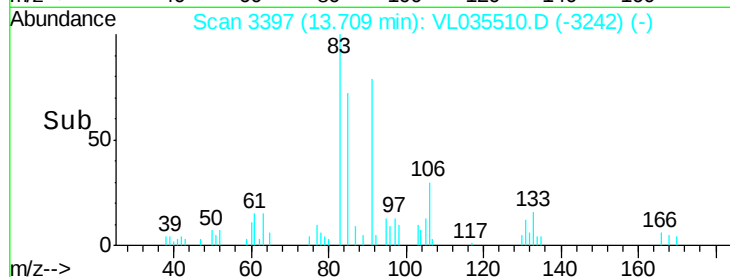
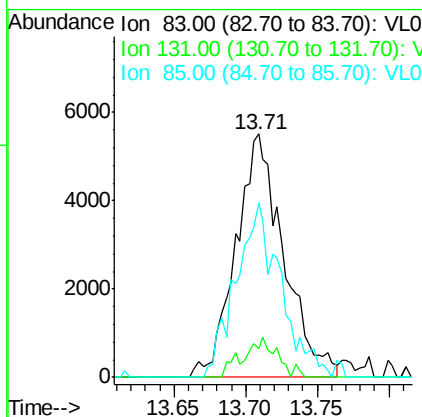
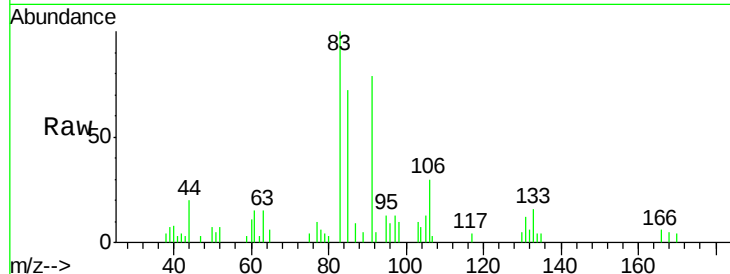
ClientSampleId :

VSTDIC0.03

Tot Ion	83	Resp	12760
Ion Ratio	100	Lower	Upper
83	100		
131	11.7	6.0	18.0
85	68.0	33.4	100.2

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.229 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035510.D

Acq: 27 Aug 2020 5:20

Tgt Ion	95	Resp	3232414
Ion Ratio	100	Lower	Upper
95	100		
174	90.3	69.6	104.4
175	6.5	5.1	7.7

