

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035238.D
 Acq On : 29 Jul 2020 5:53
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
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 7/30/2020 6:10:32 PM

Quant Time: Jul 29 06:27:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1311413	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3199647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3038396	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2443664	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	2978m	0.034	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	8142m	0.040	ppbv	
35) Carbon Tetrachloride	7.03	117	8244m	0.039	ppbv	
38) Trichloroethene	7.84	130	2648m	0.028	ppbv	
52) Tetrachloroethene	11.26	164	3151m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.73	83	9934m	0.039	ppbv	

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

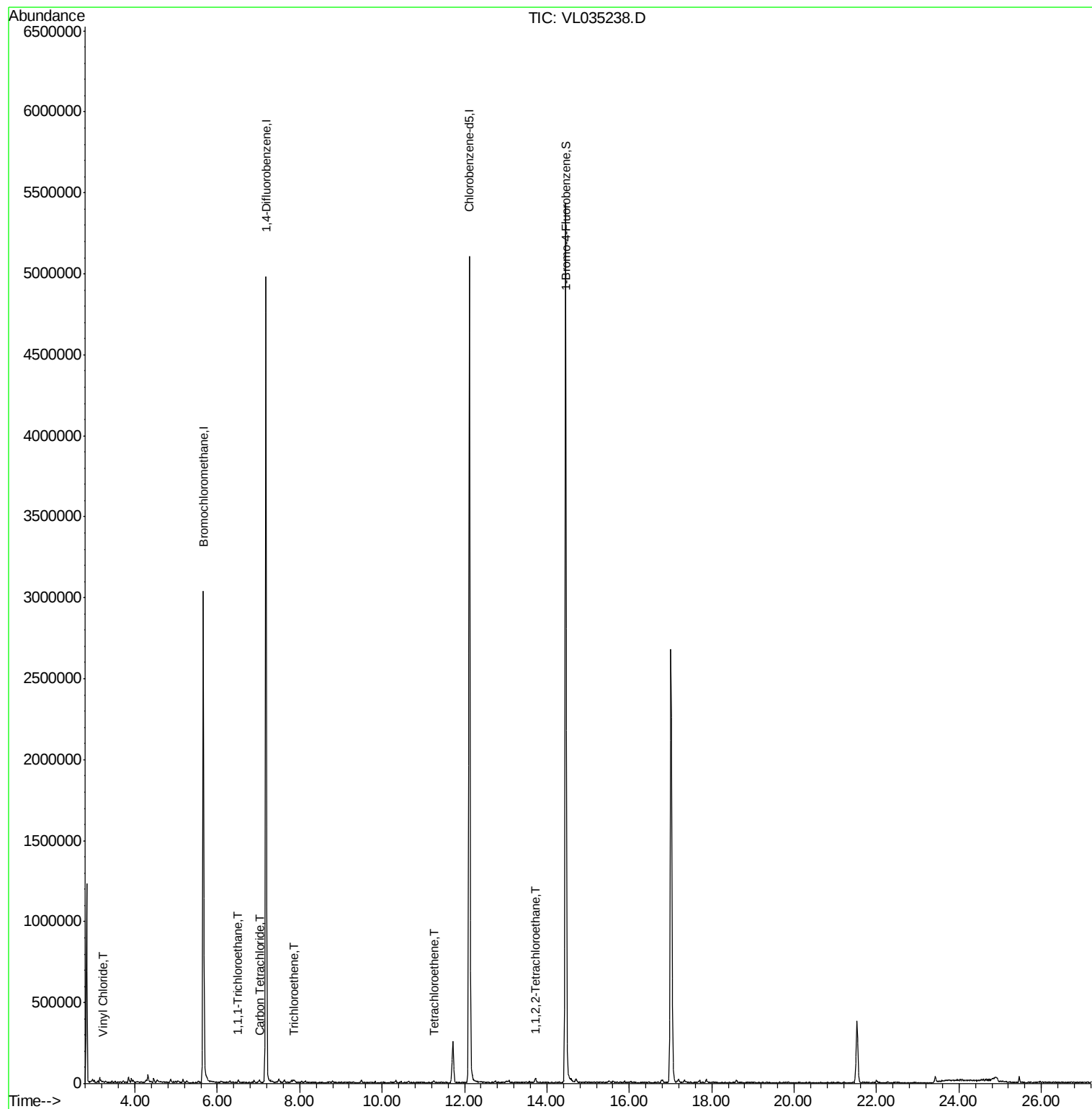
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072920\
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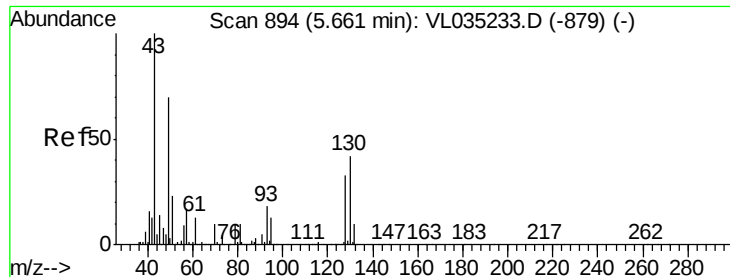
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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Quant Time: Jul 29 06:27:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 29 03:31:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035238.D

Acq: 29 Jul 2020 5:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1311413

Ion Ratio Lower Upper

49 100

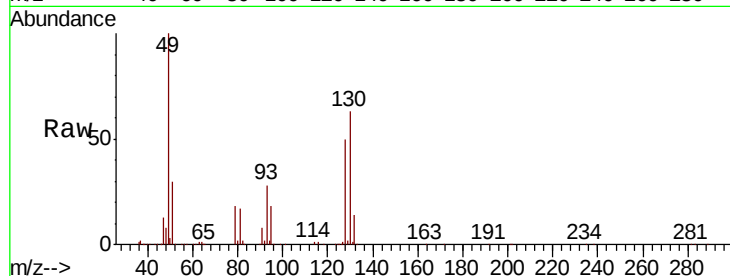
128 50.2 24.0 72.0

130 63.9 30.7 92.1

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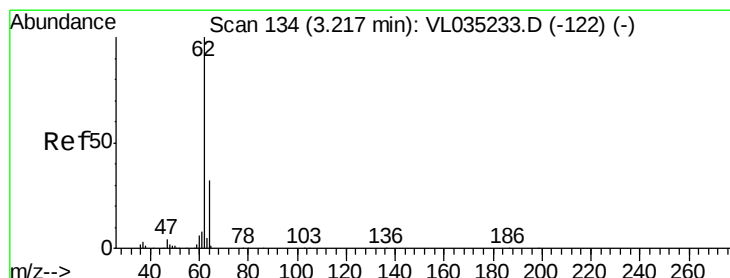
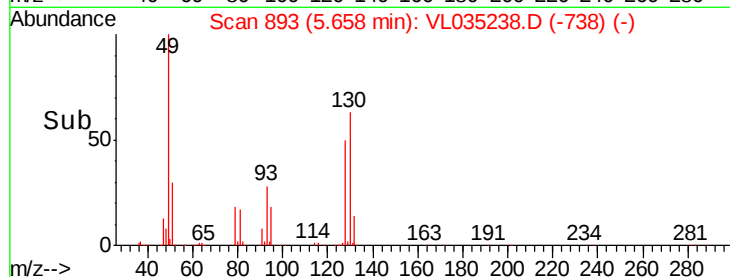
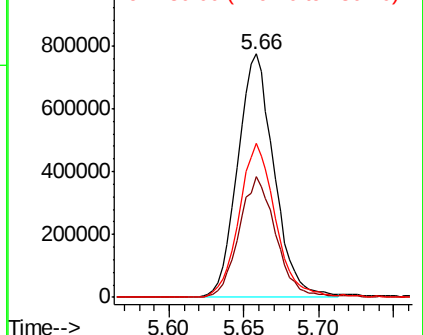
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.034 ppbv m

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL035238.D

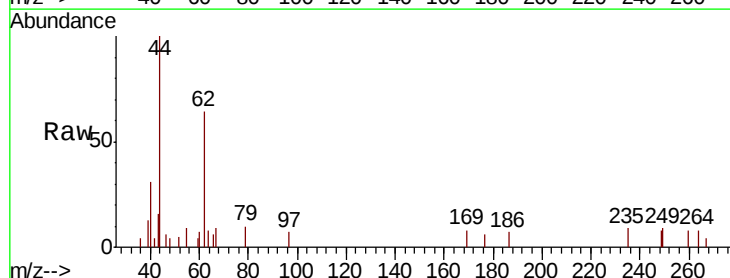
Acq: 29 Jul 2020 5:53

Tgt Ion: 62 Resp: 2978

Ion Ratio Lower Upper

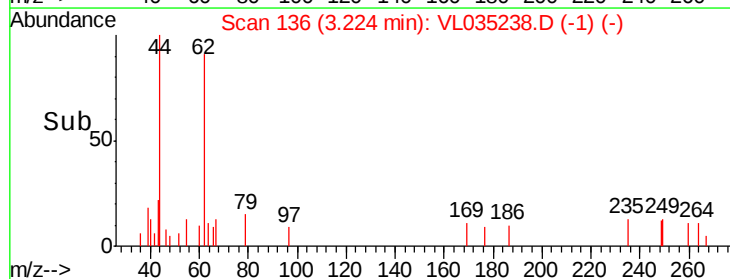
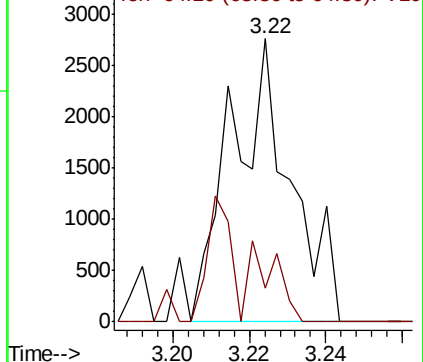
62 100

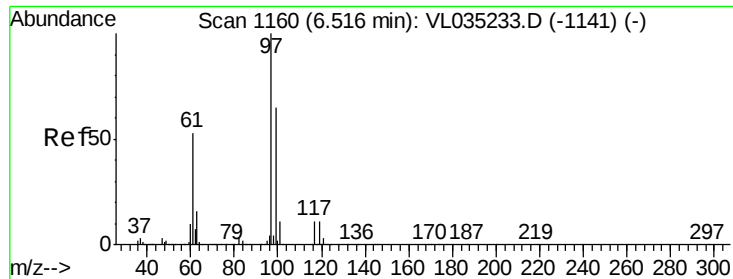
64 12.1 25.8 38.6#



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: 0.040 ppbv m

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL035238.D

Acq: 29 Jul 2020 5:53

Instrument :

MSVOA_L

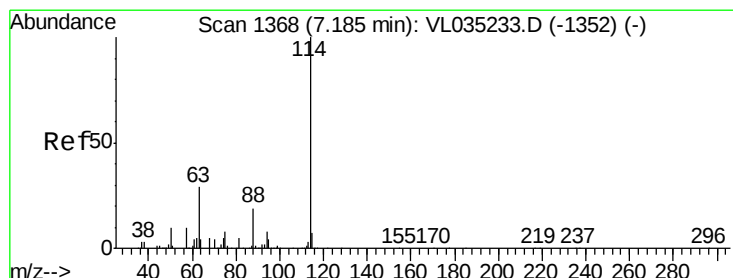
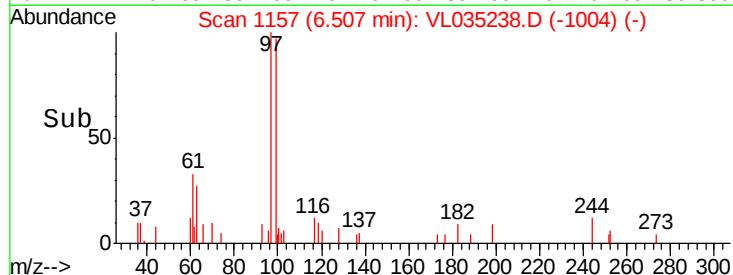
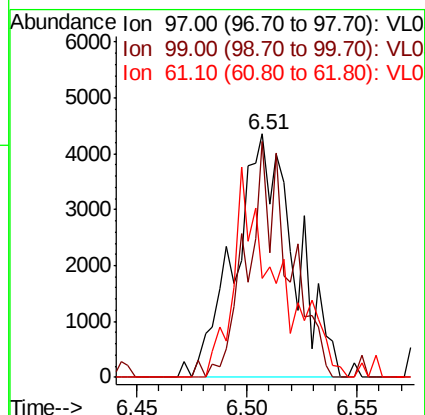
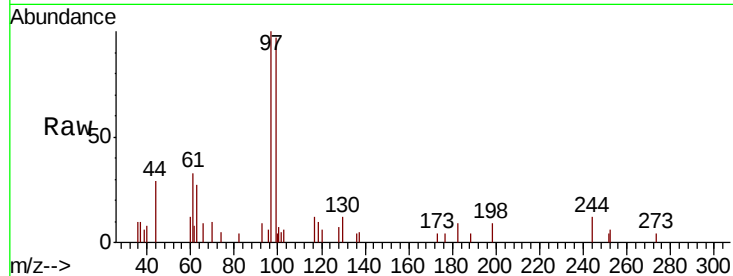
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	8142
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.4	77.0#
61	0.0	40.4	60.6#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

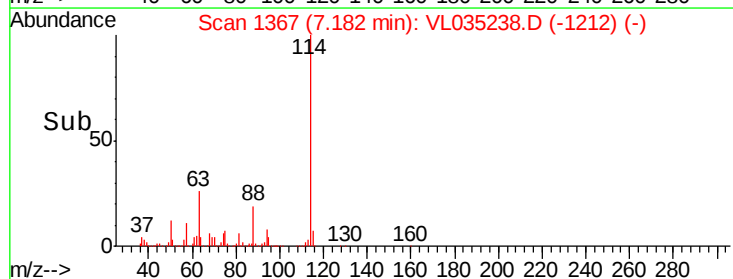
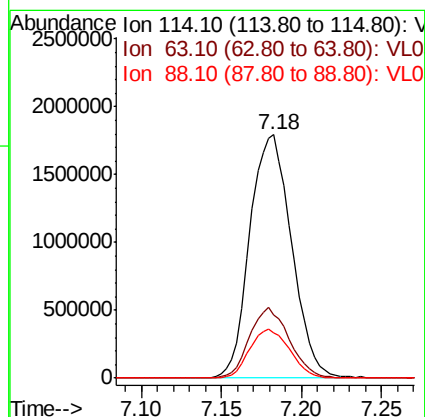
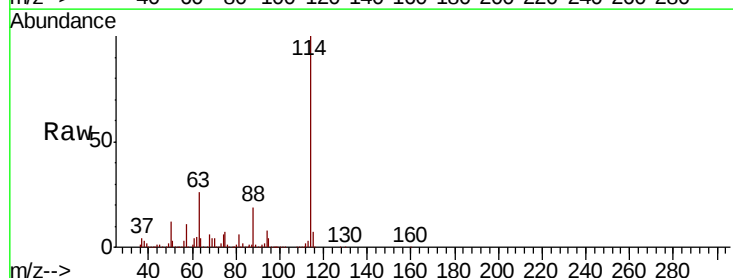
RT: 7.18 min Scan# 1367

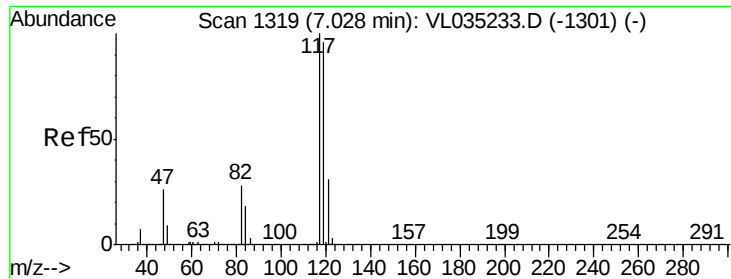
Delta R.T. -0.00 min

Lab File: VL035238.D

Acq: 29 Jul 2020 5:53

Tgt Ion:	114	Resp:	3199647
Ion Ratio	Lower	Upper	
114	100		
63	27.8	22.2	33.2
88	19.5	15.4	23.0





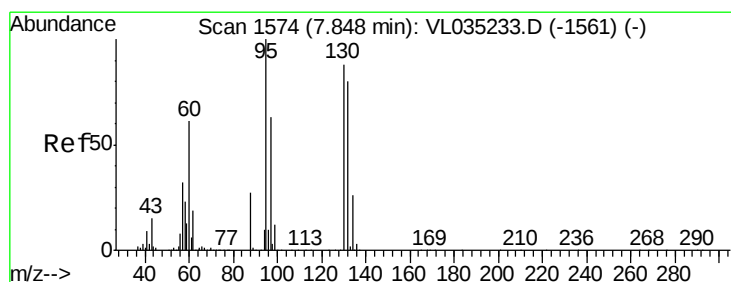
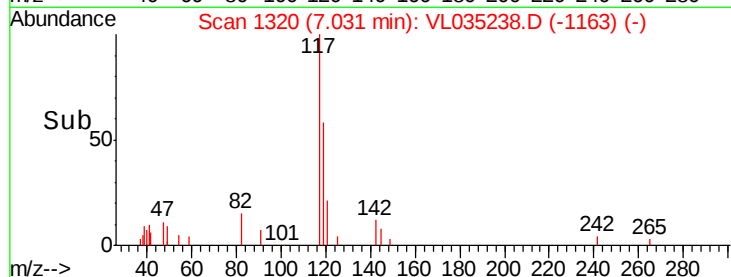
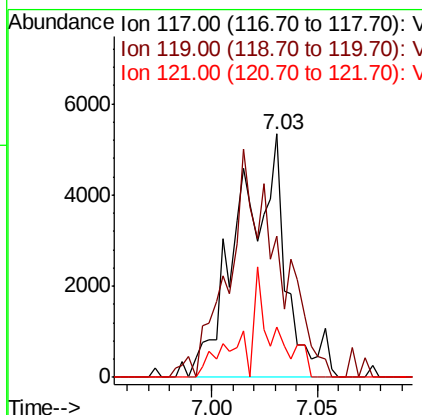
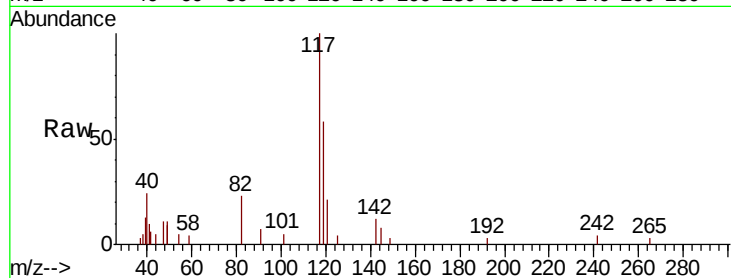
#35
Carbon Tetrachloride
Concen: 0.039 ppbv m
RT: 7.03 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VL035238.D
Acq: 29 Jul 2020 5:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	57.9	76.8	115.2#
121	20.9	24.5	36.7#

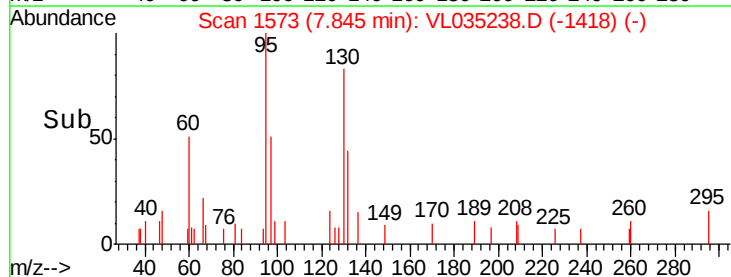
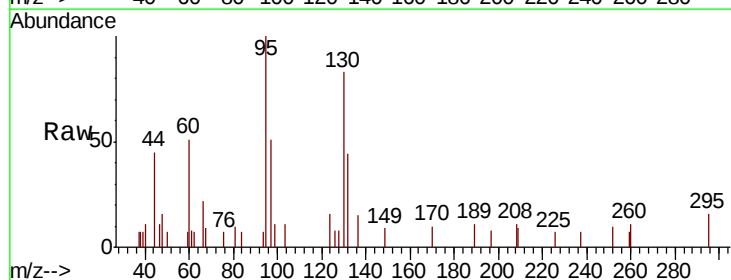
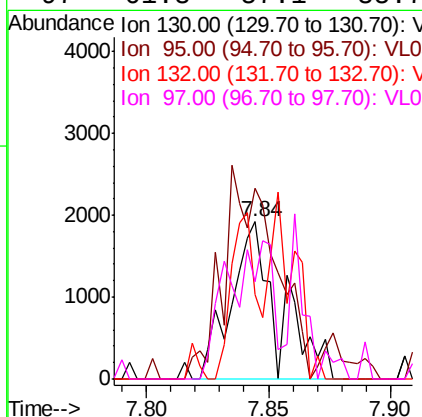
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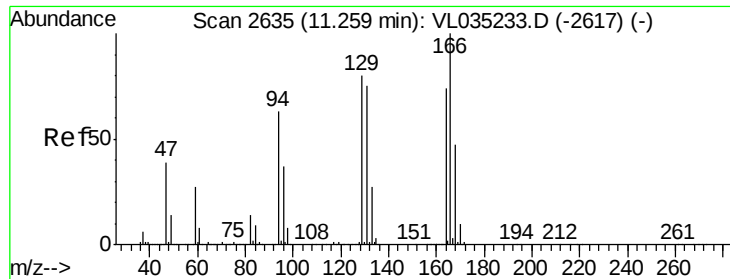
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#38
Trichloroethene
Concen: 0.028 ppbv m
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL035238.D
Acq: 29 Jul 2020 5:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.1	90.7	136.1
132	53.8	72.9	109.3#
97	61.8	57.1	85.7





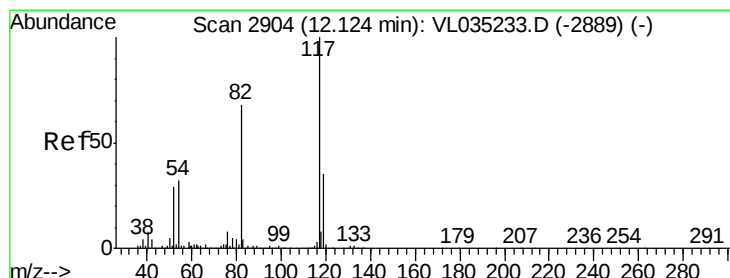
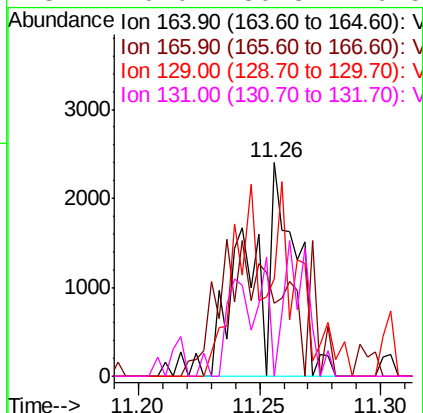
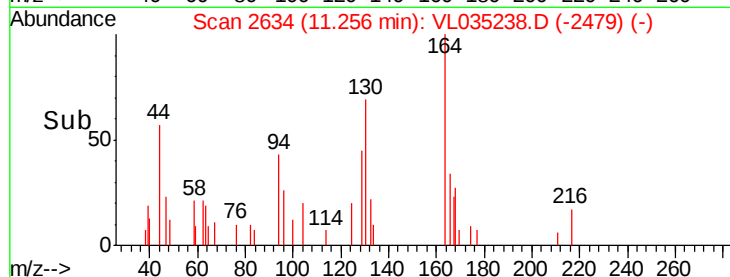
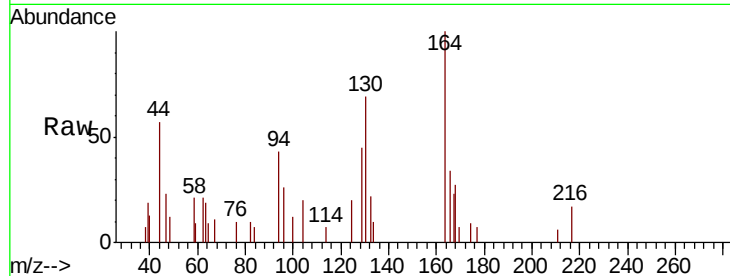
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL035238.D
Acq: 29 Jul 2020 5:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	34.1	107.5	161.3#
129	45.4	86.0	129.0#
131	0.0	80.3	120.5#

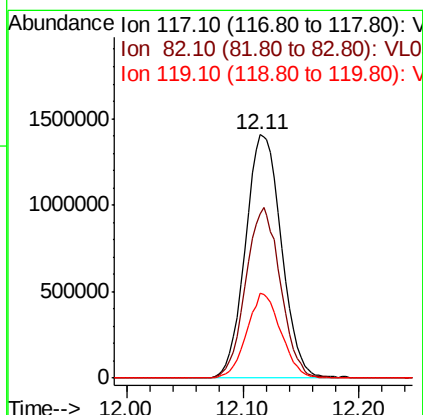
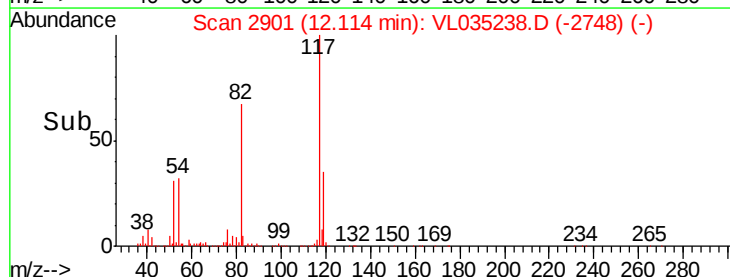
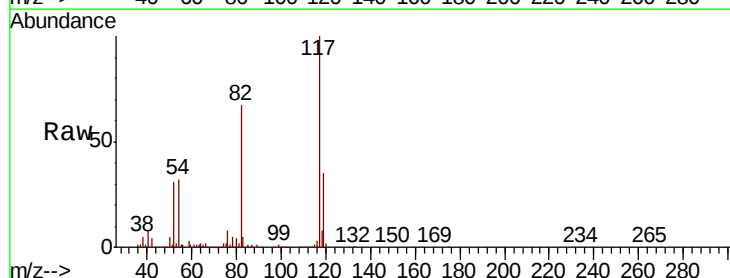
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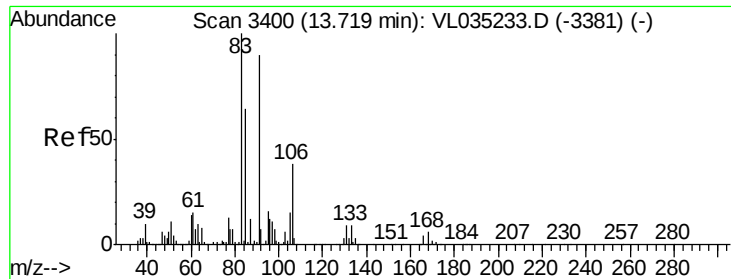
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.01 min
Lab File: VL035238.D
Acq: 29 Jul 2020 5:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.1	52.4	78.6
119	33.2	24.6	36.8





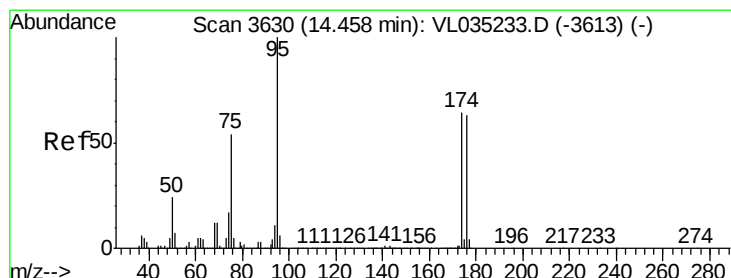
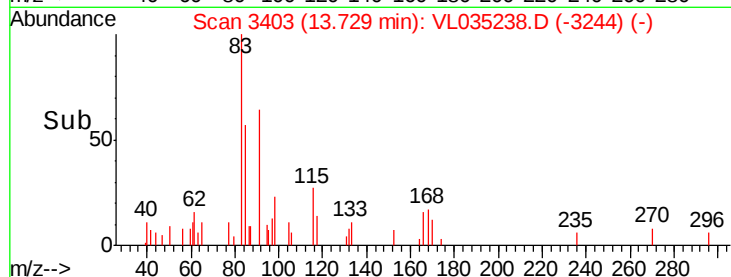
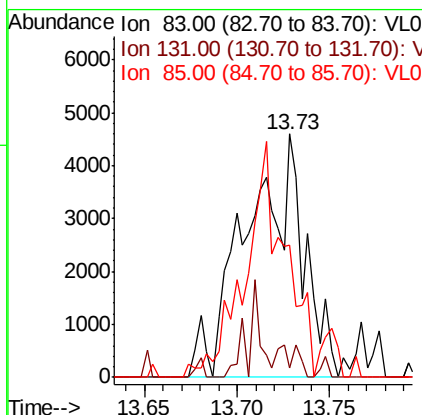
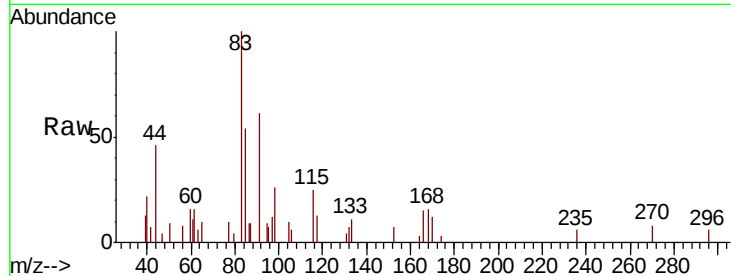
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.039 ppbv m
 RT: 13.73 min Scan# 3403
 Delta R.T. 0.01 min
 Lab File: VL035238.D
 Acq: 29 Jul 2020 5:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	14.4	4.6	13.8#
85	73.7	32.7	98.1

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.880 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. -0.01 min
 Lab File: VL035238.D
 Acq: 29 Jul 2020 5:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.7	79.1
175	4.8	3.9	5.9

