

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035662.D
 Acq On : 17 Sep 2020 18:44
 Operator : SY/AP
 Sample : L4016-01DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

Manual Integrations
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Quant Time: Sep 18 04:23:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1143148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4388241	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4333711	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3187280	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	11248	0.231	ppbv	# 75
15) Acetone	3.86	43	147906	1.173	ppbv	92
38) Trichloroethene	7.84	130	51931	0.315	ppbv	94
44) 2,2,4-Trimethylpentane	7.87	57	61808m	0.165	ppbv	
52) Tetrachloroethene	11.24	164	2903834	17.499	ppbv	94

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

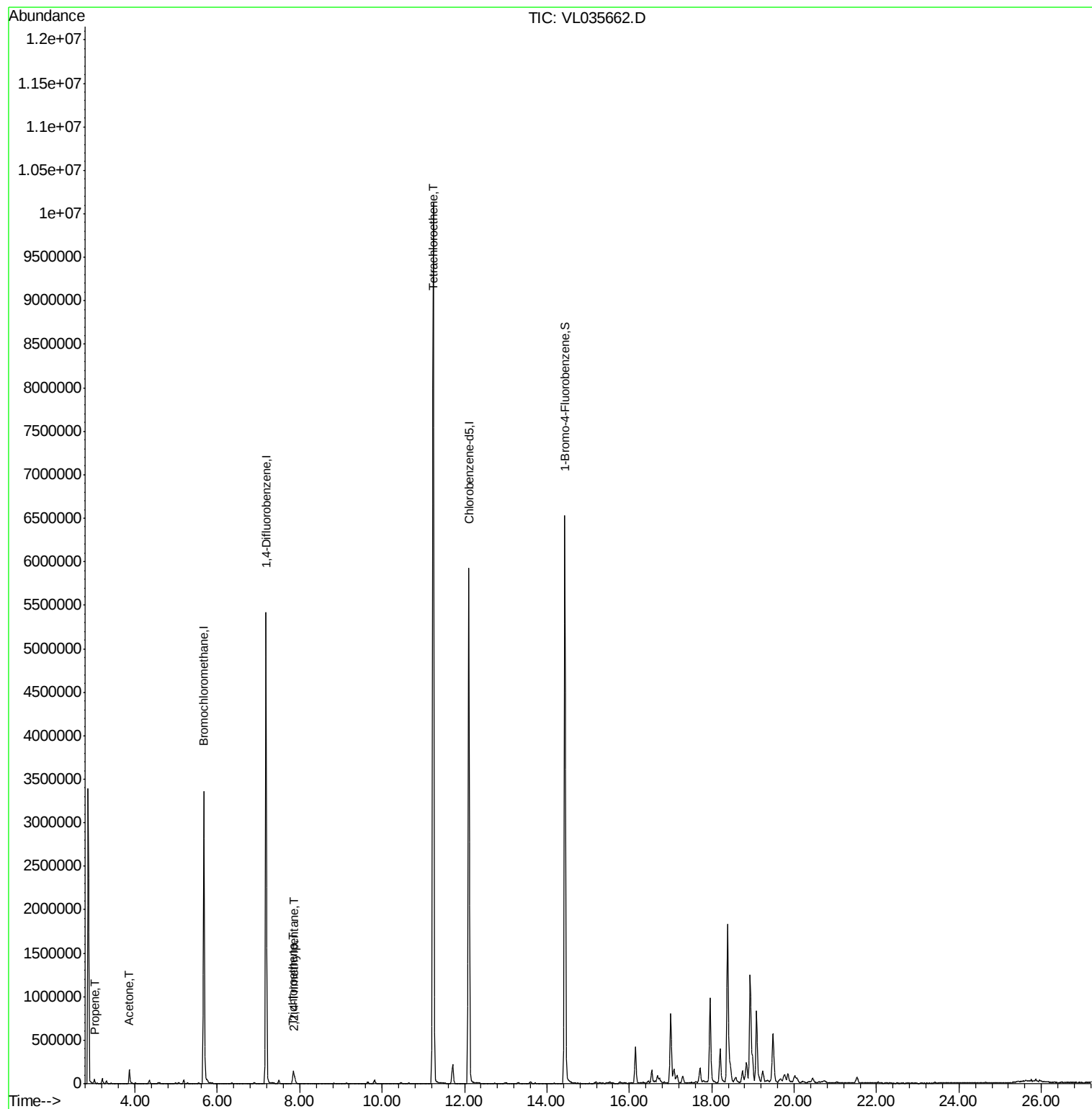
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Data File : VL035662.D
Acq On : 17 Sep 2020 18:44
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Misc : 400ml/MSVOA L
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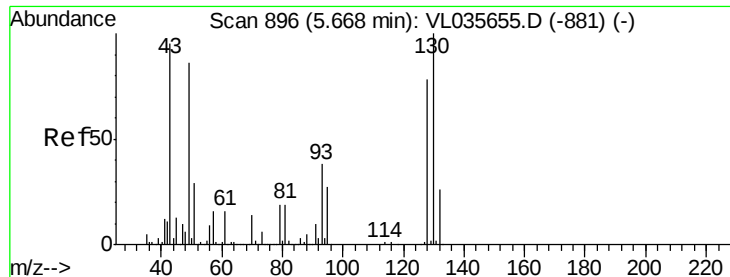
Instrument :
MSVOA_L
ClientSampleId :
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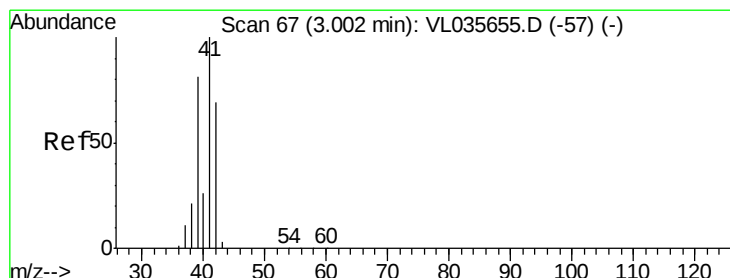
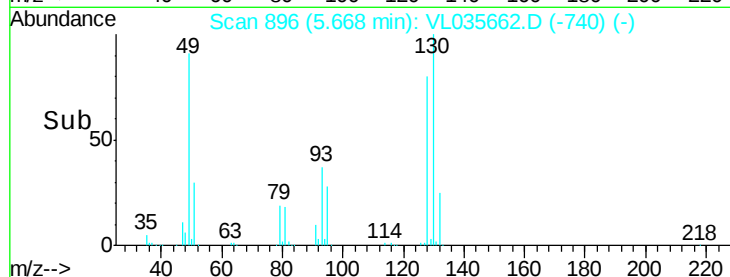
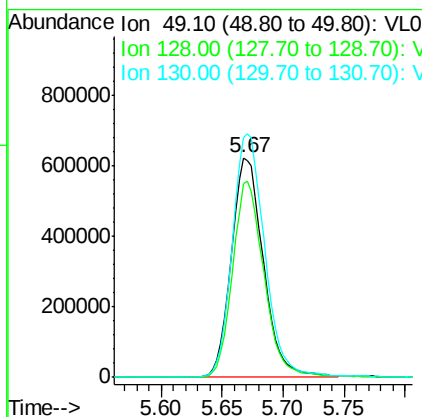
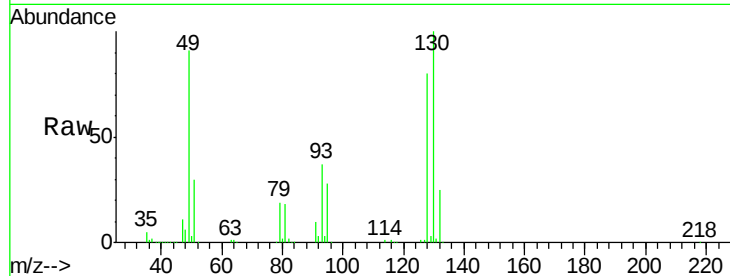
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL035662.D
Acq: 17 Sep 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL2

Tot Ion: 49 Resp: 1143148
Ion Ratio Lower Upper
49 100
128 87.9 50.0 150.1
130 112.6 64.4 193.2

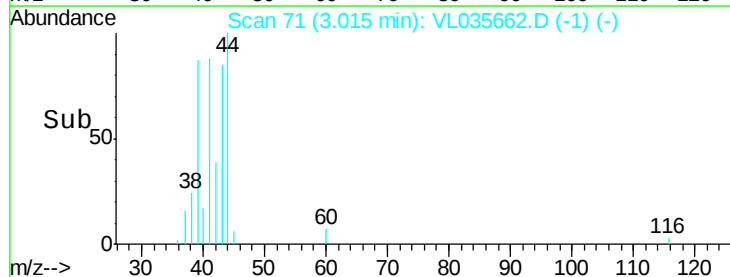
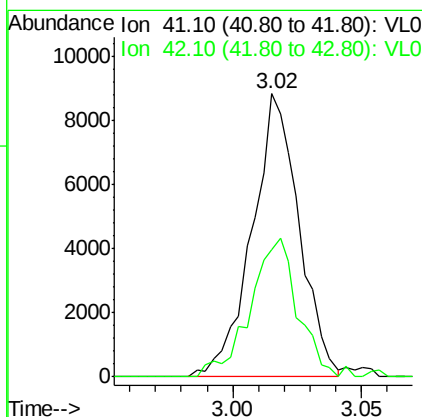
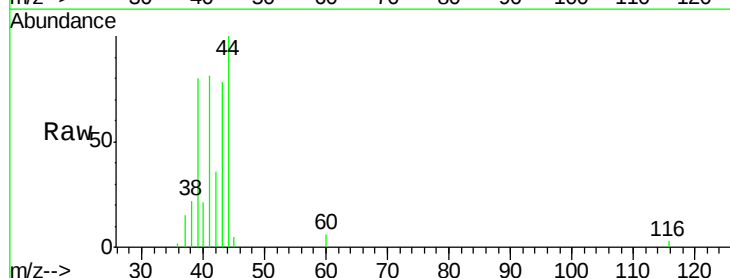
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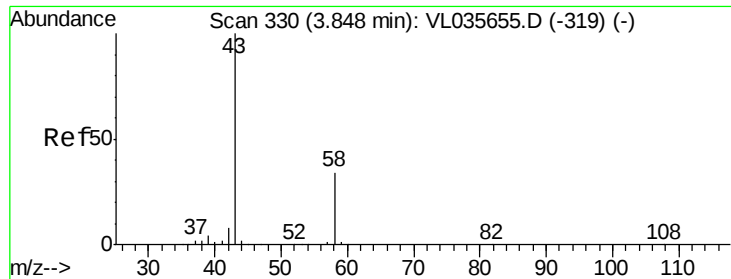
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#9
Propene
Concen: 0.231 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.02 min
Lab File: VL035662.D
Acq: 17 Sep 2020 18:44

Tgt Ion: 41 Resp: 11248
Ion Ratio Lower Upper
41 100
42 49.9 56.3 84.5#





#15

Acetone

Concen: 1.173 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

Instrument :

MSVOA_L

ClientSampled :

SV-13DL2

Tot Ion: 43 Resp: 147906

Ion Ratio Lower Upper

43 100

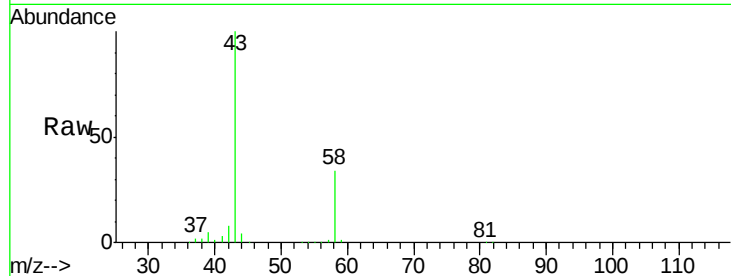
58 40.0 28.4 42.6

Manual Integrations

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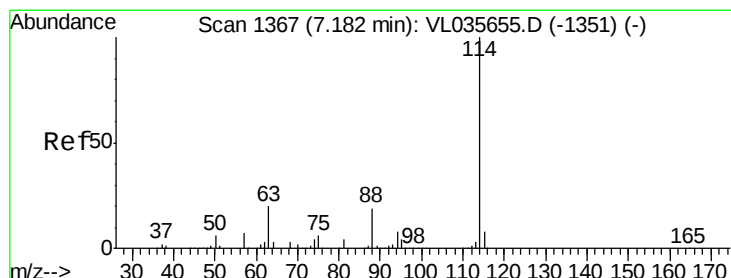
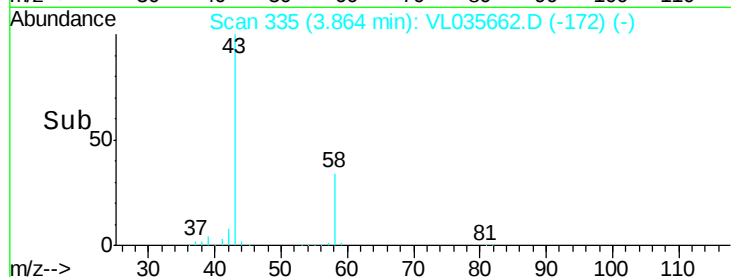
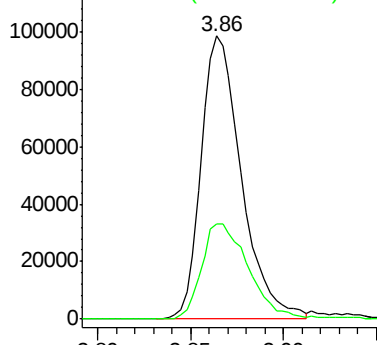
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

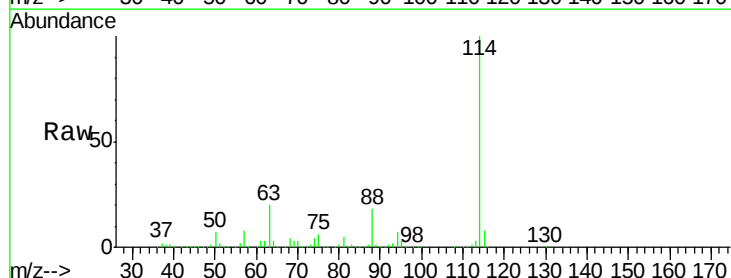
Tgt Ion: 114 Resp: 4388241

Ion Ratio Lower Upper

114 100

63 19.3 14.7 22.1

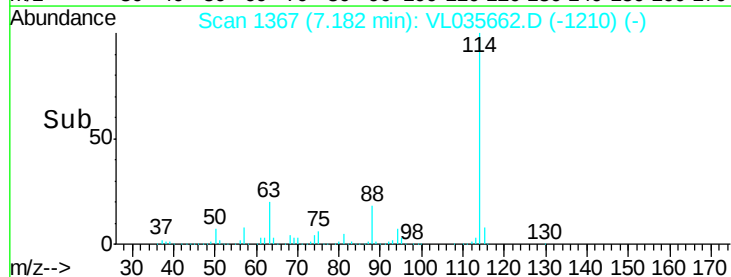
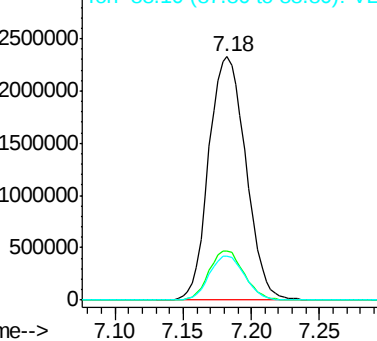
88 17.3 13.4 20.2

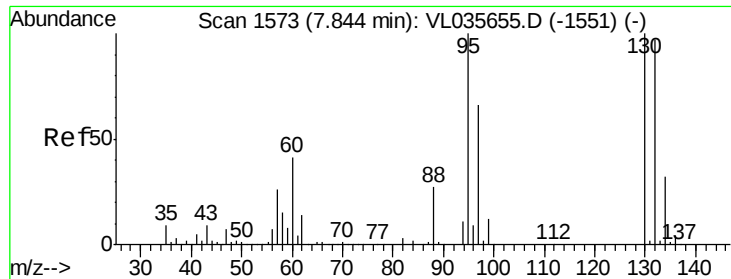


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





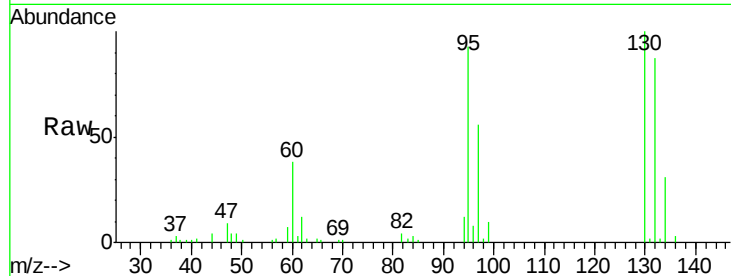
#38
 Trichloroethene
 Concen: 0.315 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

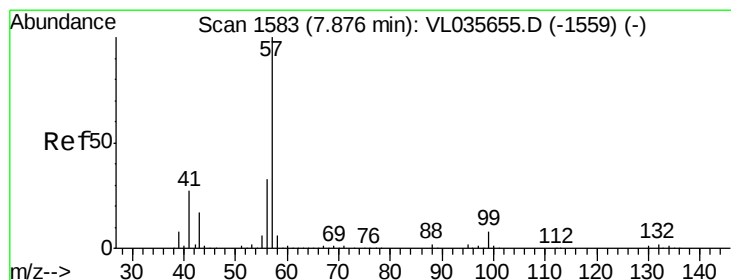
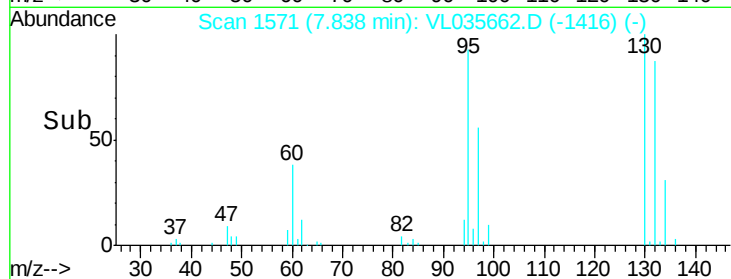
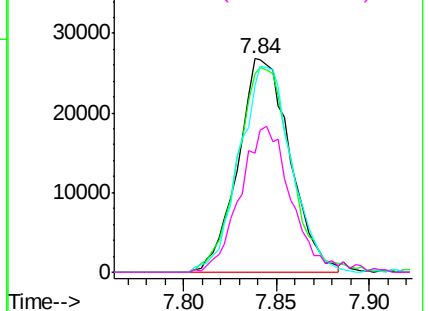
Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		51931		
95	92.8	74.6	112.0		
132	87.4	77.6	116.4		
97	56.0	50.6	76.0		

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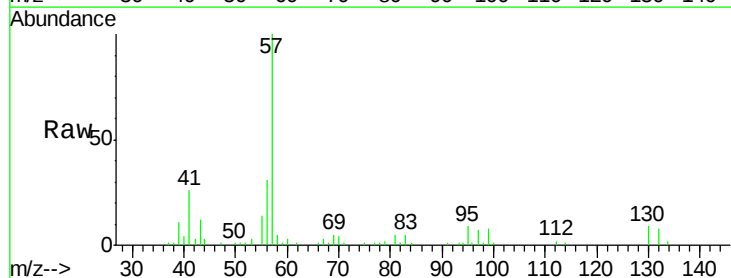


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

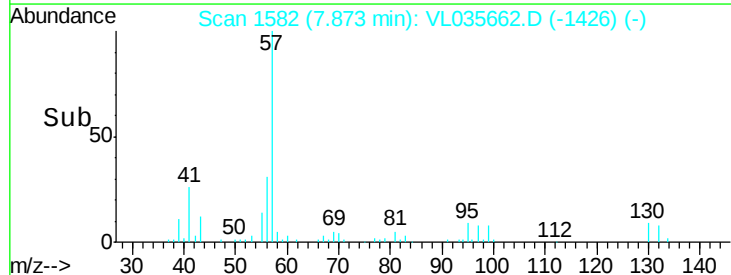
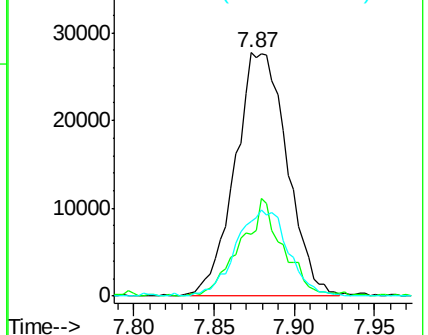


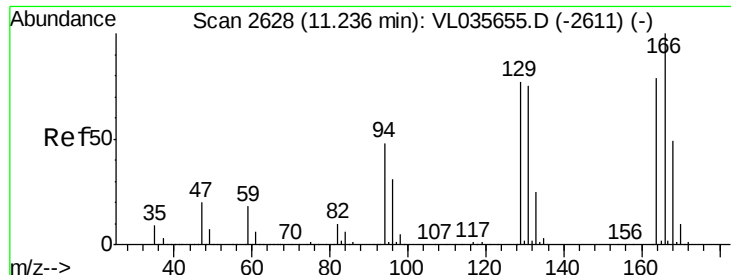
#44
 2,2,4-Trimethylpentane
 Concen: 0.165 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		61808		
41	33.7	20.5	30.7#		
56	35.5	25.3	37.9		



Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0





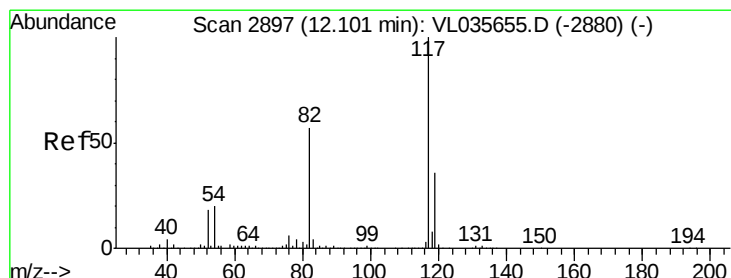
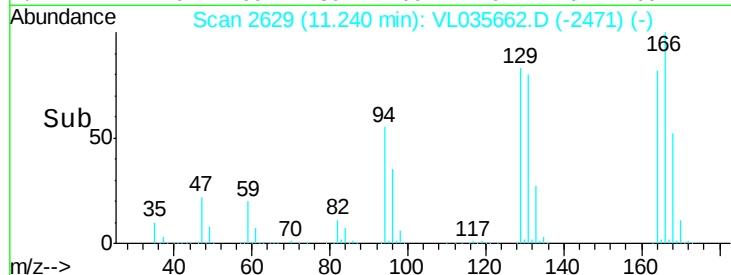
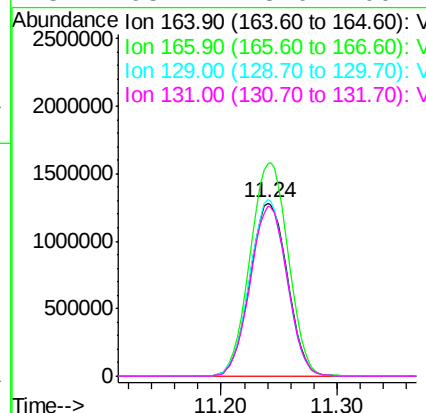
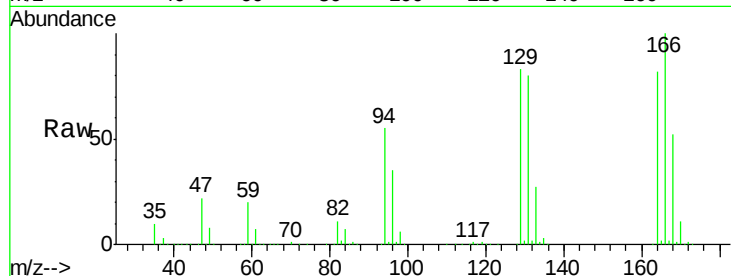
#52
Tetrachloroethene
Concen: 17.499 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL035662.D
Acq: 17 Sep 2020 18:44

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL2

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.5	100.9	151.3
129	101.6	75.3	112.9
131	98.4	73.0	109.4

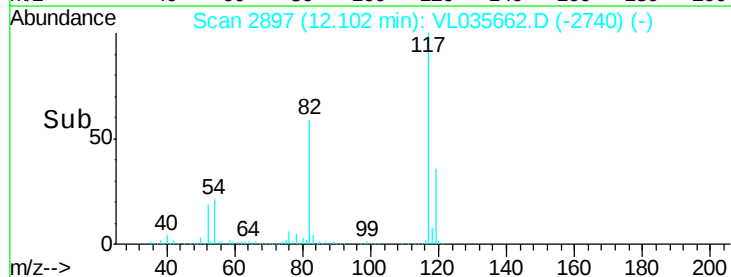
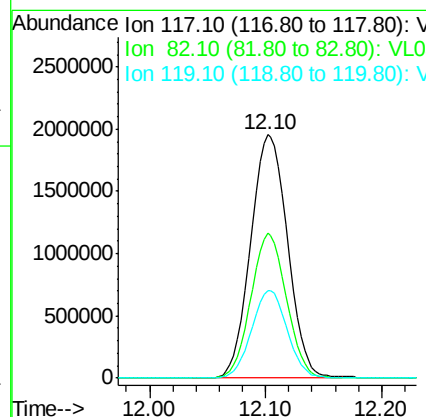
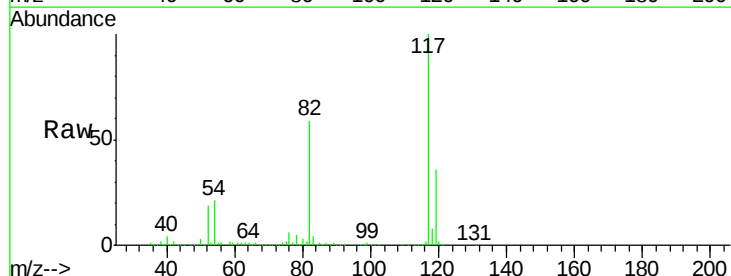
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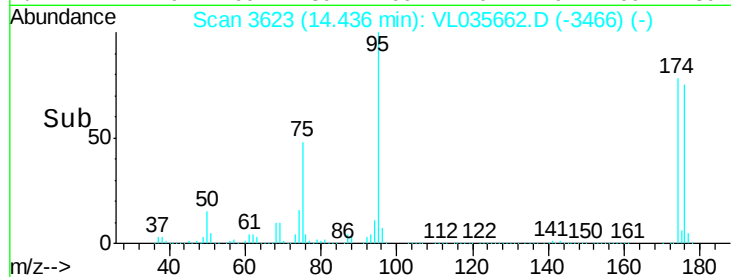
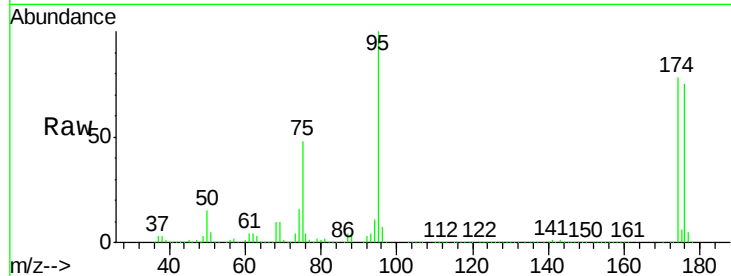
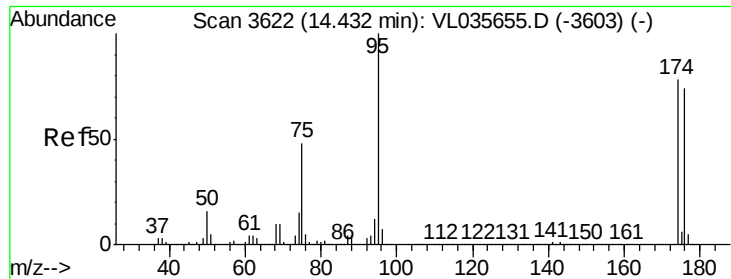
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035662.D
Acq: 17 Sep 2020 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	41.6	62.4
119	34.9	29.3	43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.356 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2

Tot Ion: 95 Resp: 3187280

Ion Ratio Lower Upper

95 100

174 78.7 69.6 104.4

175 5.6 5.1 7.7

Manual Integrations

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