

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037498.D
 Acq On : 19 Aug 2021 14:34
 Operator : SY/AP
 Sample : M3480-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DL

Manual Integrations
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Quant Time: Aug 20 00:40:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1398813	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4124625	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3637001	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2639452	10.22	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	88624m	0.331	ppbv	
9) Propene	3.02	41	31720m	0.331	ppbv	
13) Ethanol	3.62	45	366321	39.280	ppbv	88
15) Acetone	3.86	43	465734	3.272	ppbv #	82
17) tert-Butyl alcohol	4.32	59	23159m	0.178	ppbv	
19) Isopropyl Alcohol	3.98	45	84963m	1.042	ppbv	
20) Methylene Chloride	4.35	84	1020919	14.323	ppbv	96
26) Hexane	5.69	57	536421	3.036	ppbv #	46
34) 2-Butanone	5.25	43	53627m	0.318	ppbv	
36) Benzene	6.90	78	102167m	0.295	ppbv	
38) Trichloroethene	7.83	130	33439m	0.235	ppbv	
52) Tetrachloroethene	11.23	164	5289m	0.037	ppbv	
62) Isopropylbenzene	14.67	105	73631m	0.128	ppbv	

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

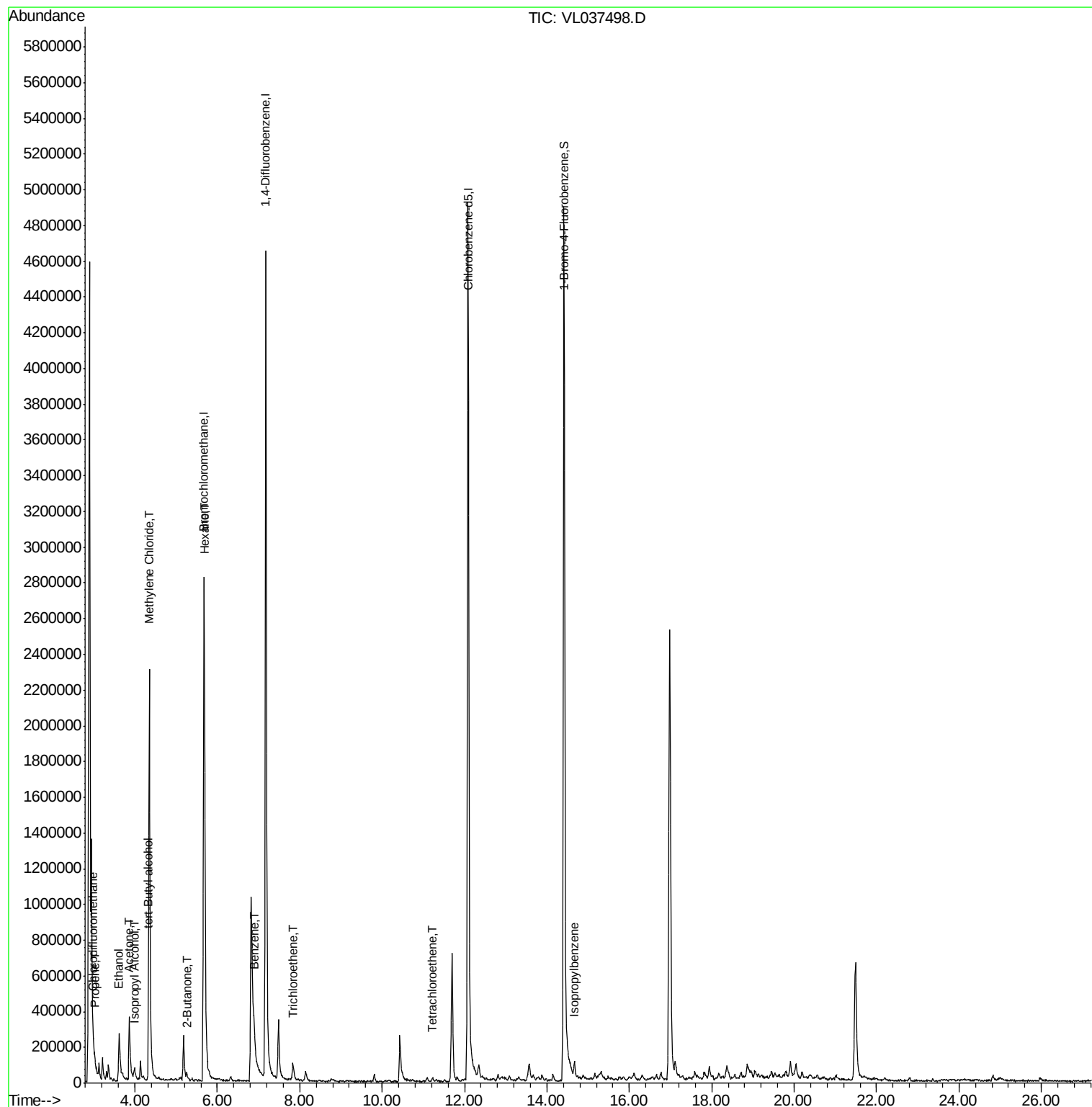
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037498.D
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Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

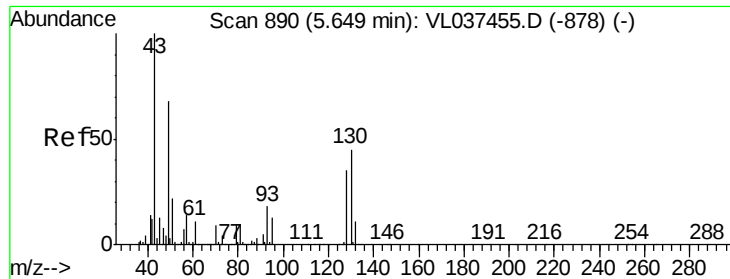
Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DL

Manual Integrations
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Quant Time: Aug 20 00:40:19 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

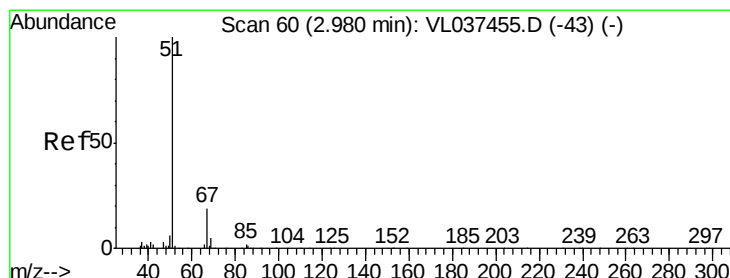
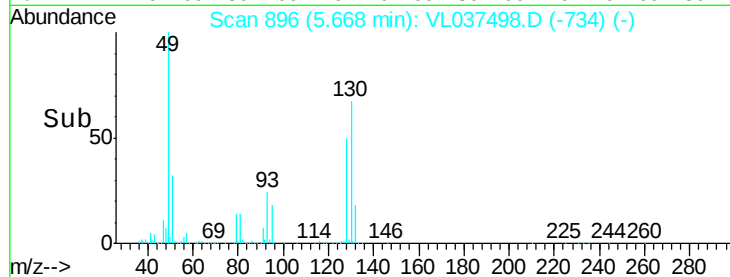
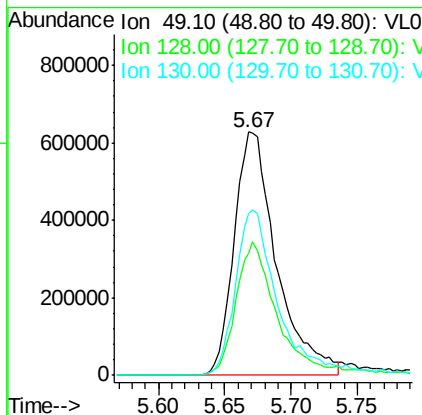
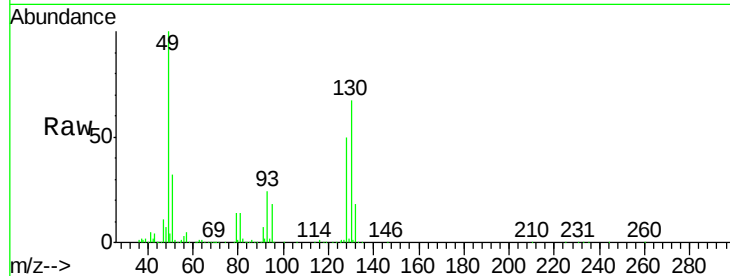
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.02 min
 Lab File: VL037498.D
 Acq: 19 Aug 2021 14:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DL

Tot Ion: 49 Resp: 1398813
 Ion Ratio Lower Upper
 49 100
 128 55.5 27.5 82.4
 130 71.3 34.0 101.8

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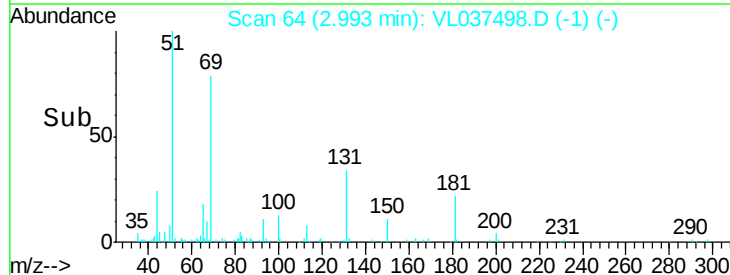
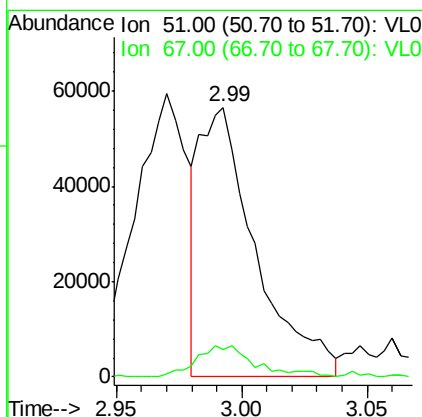
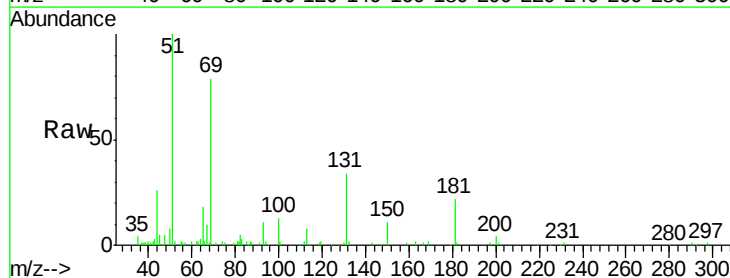
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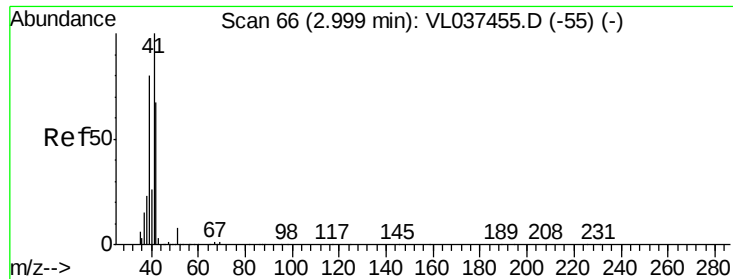


#3

Chlorodifluoromethane
 Concen: 0.331 ppbv m
 RT: 2.99 min Scan# 64
 Delta R.T. 0.01 min
 Lab File: VL037498.D
 Acq: 19 Aug 2021 14:34

Tgt Ion: 51 Resp: 88624
 Ion Ratio Lower Upper
 51 100
 67 12.3 14.2 21.2#





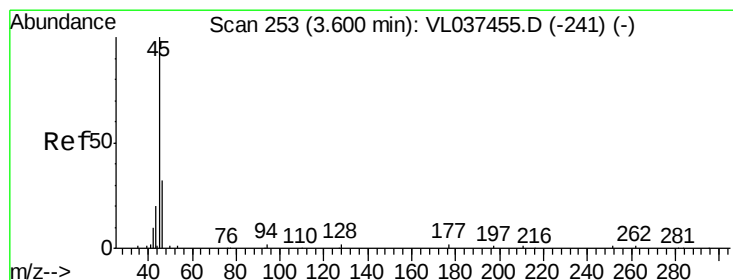
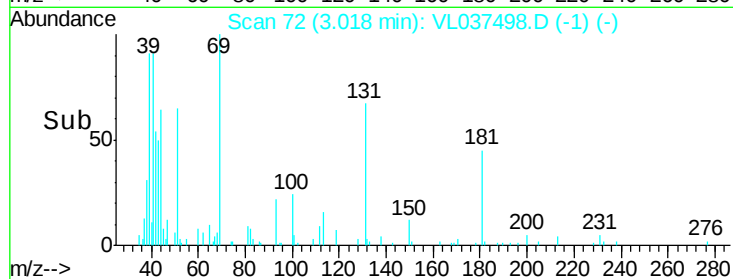
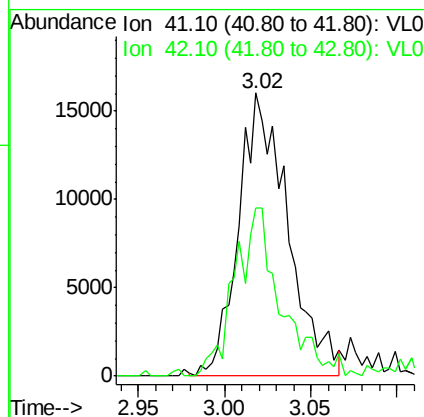
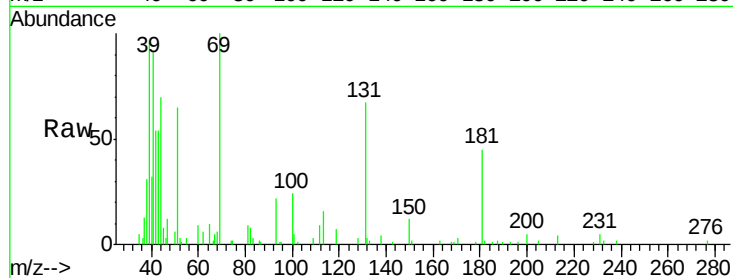
#9
 Propene
 Concen: 0.331 ppbv m
 RT: 3.02 min Scan# 72
 Delta R.T. 0.02 min
 Lab File: VL037498.D
 Acq: 19 Aug 2021 14:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DL

Tot Ion	Ratio	Lower	Upper
41	100		
42	56.2	53.7	80.5

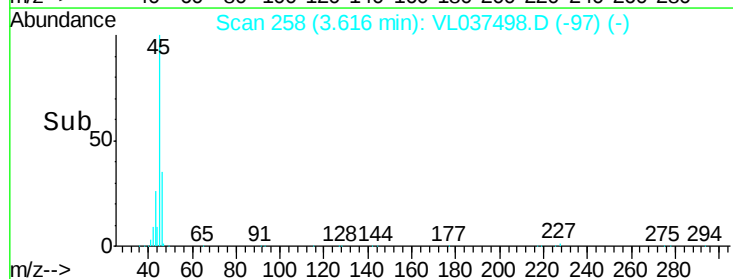
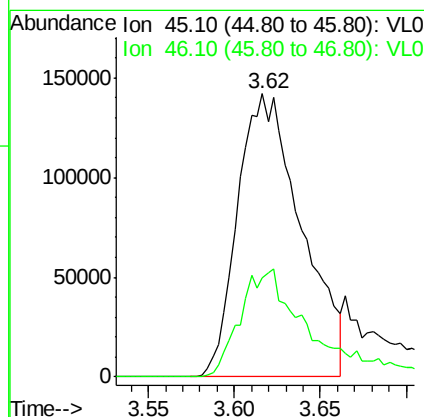
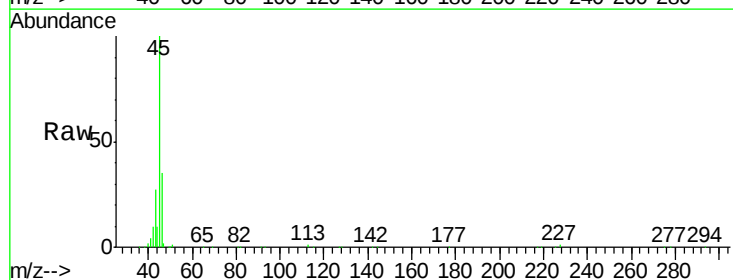
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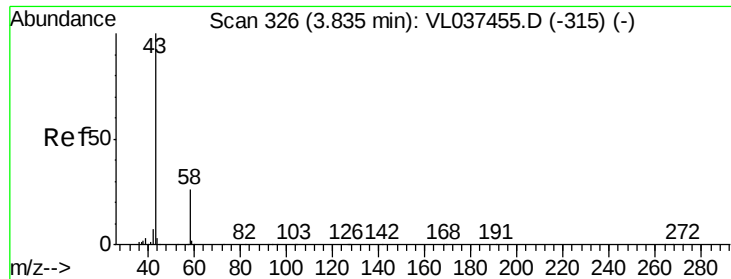
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#13
 Ethanol
 Concen: 39.280 ppbv
 RT: 3.62 min Scan# 258
 Delta R.T. 0.02 min
 Lab File: VL037498.D
 Acq: 19 Aug 2021 14:34

Tgt Ion	Ratio	Lower	Upper
45	100		
46	42.3	14.1	56.5





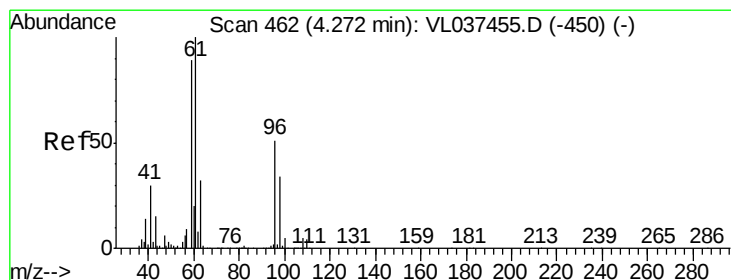
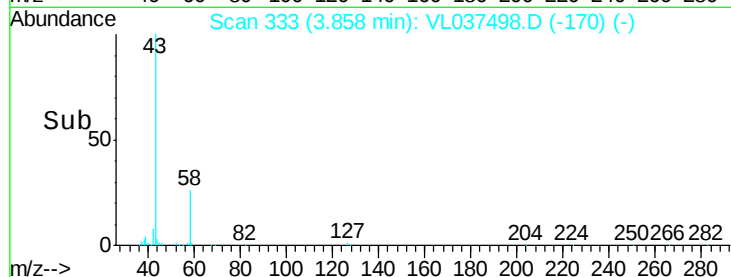
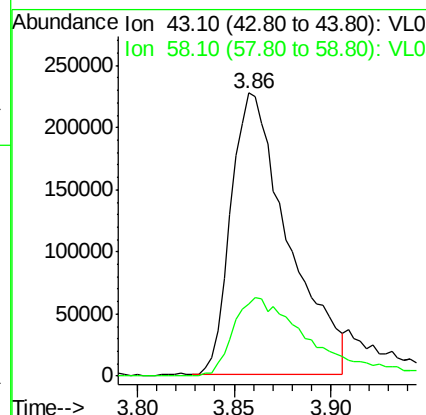
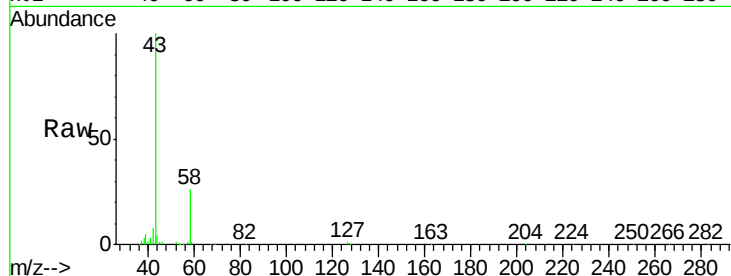
#15
Acetone
Concen: 3.272 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DL

Tot Ion: 43 Resp: 465734
Ion Ratio Lower Upper
43 100
58 40.9 24.8 37.2#

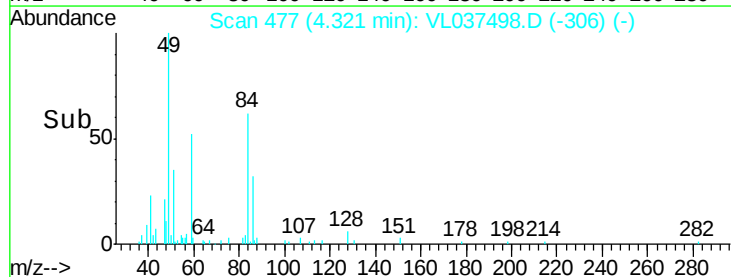
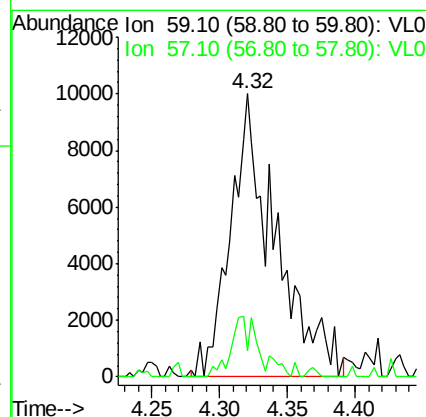
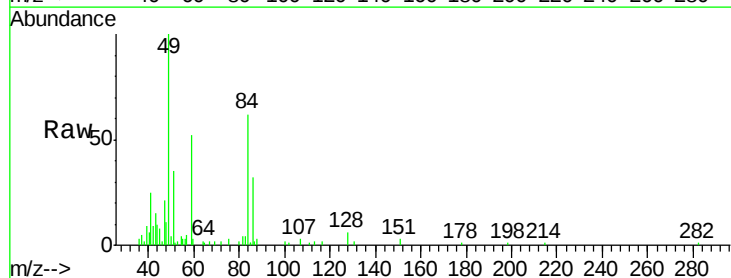
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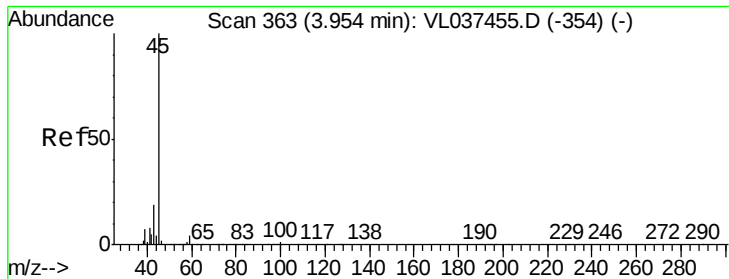
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#17
tert-Butyl alcohol
Concen: 0.178 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.05 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Tgt Ion: 59 Resp: 23159
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 1.042 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL037498.D

Acq: 19 Aug 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DL

Tot Ion: 45 Resp: 84963

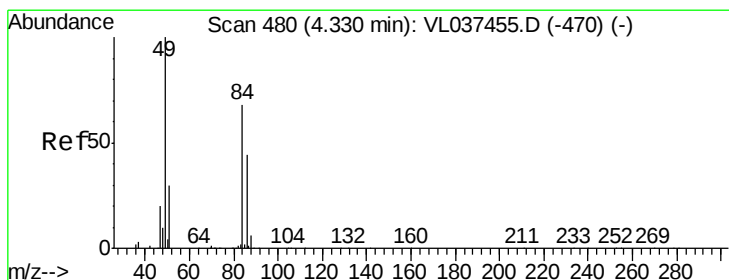
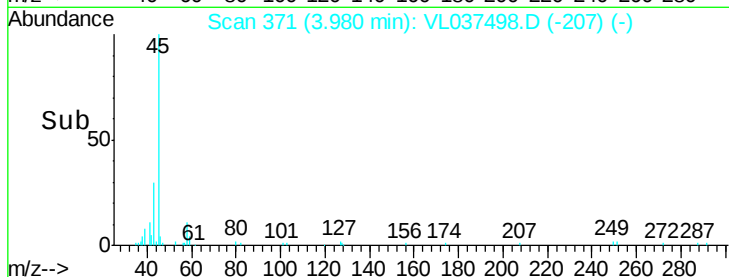
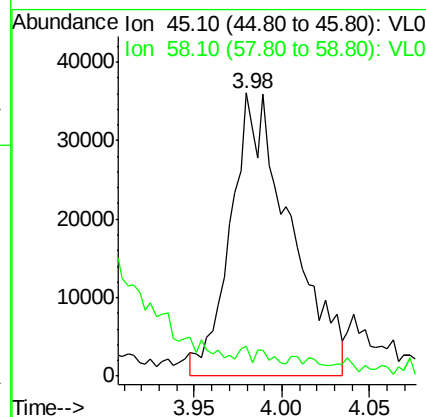
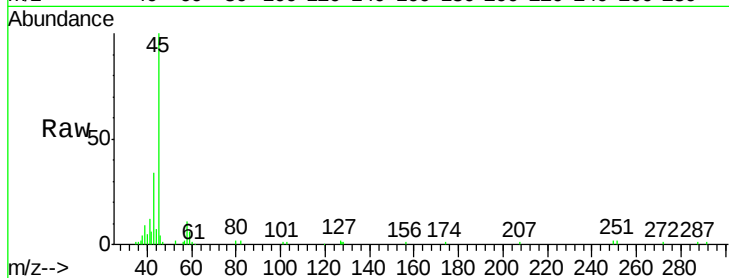
Ion Ratio Lower Upper

45 100

58 8.9 1.4 2.2#

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#20

Methylene Chloride

Concen: 14.323 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037498.D

Acq: 19 Aug 2021 14:34

Tgt Ion: 84 Resp: 1020919

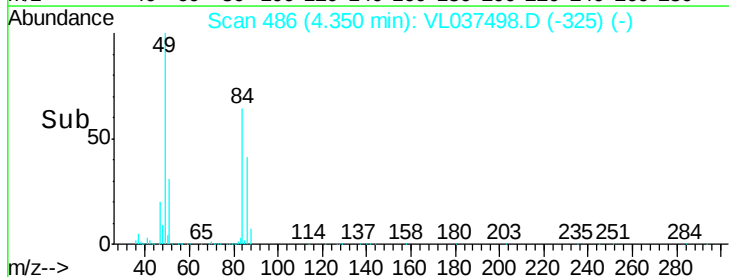
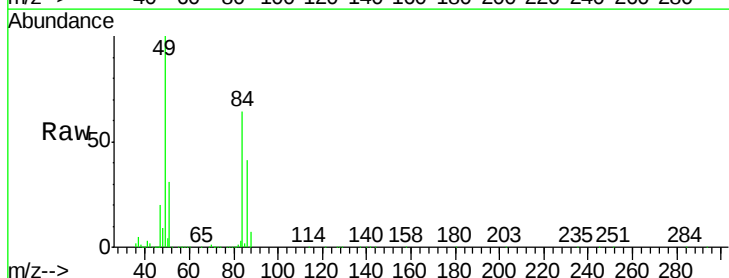
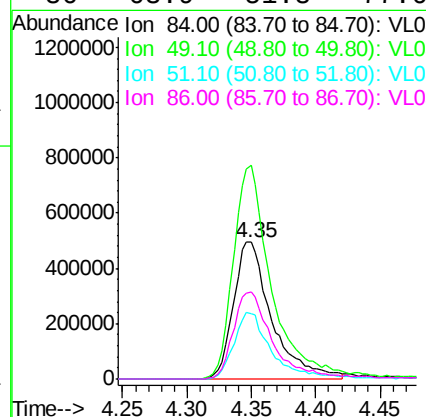
Ion Ratio Lower Upper

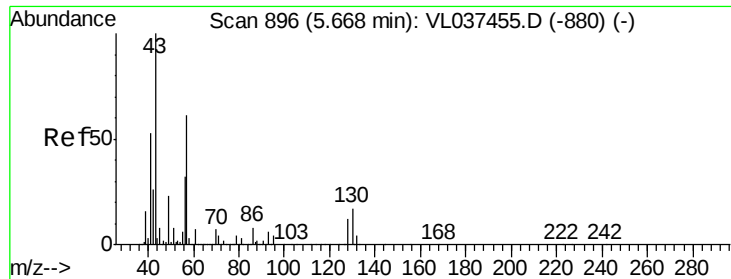
84 100

49 155.8 118.2 177.2

51 47.8 36.6 55.0

86 63.9 51.8 77.6





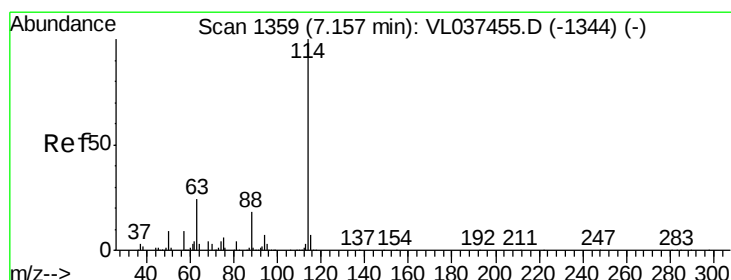
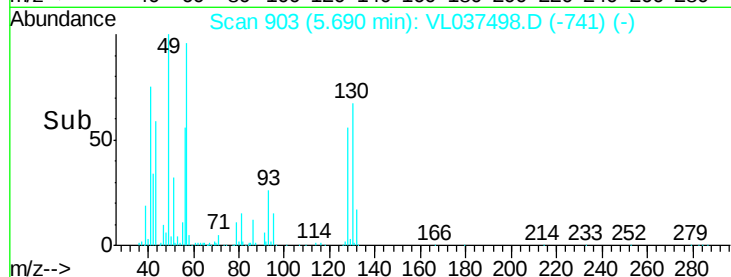
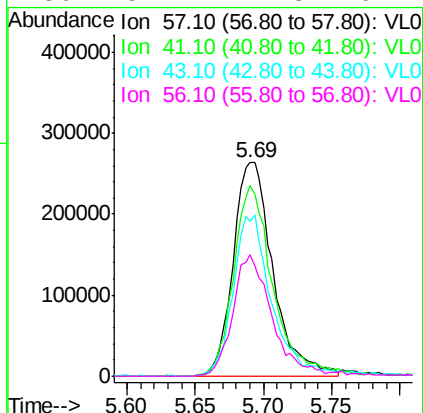
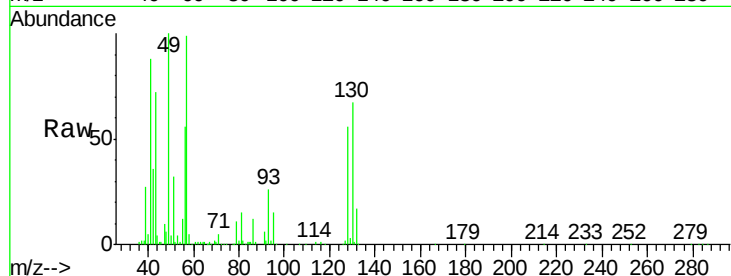
#26
Hexane
Concen: 3.036 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.3	108.5
43	75.0	172.3	258.5#
56	57.4	42.8	64.2

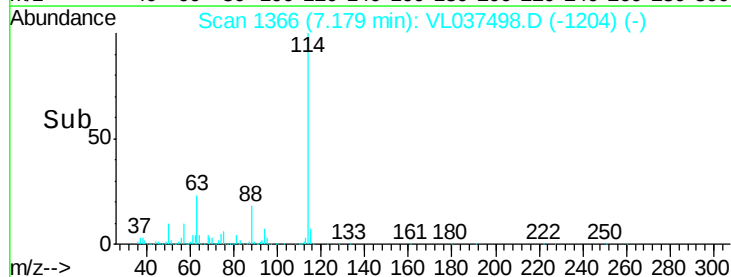
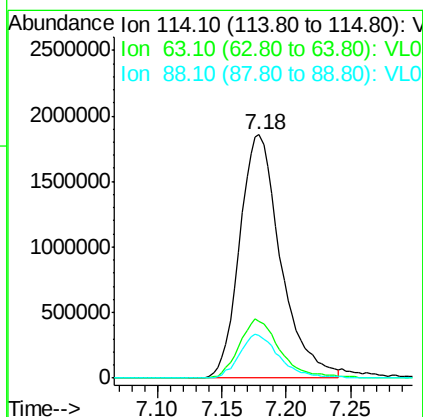
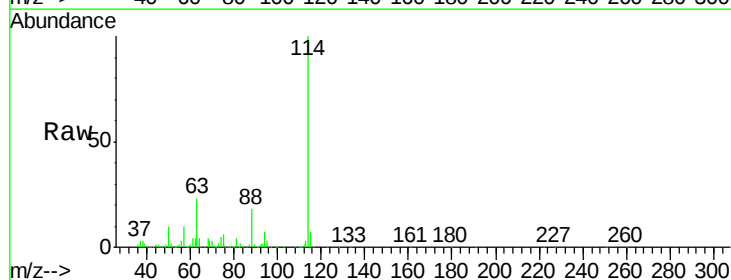
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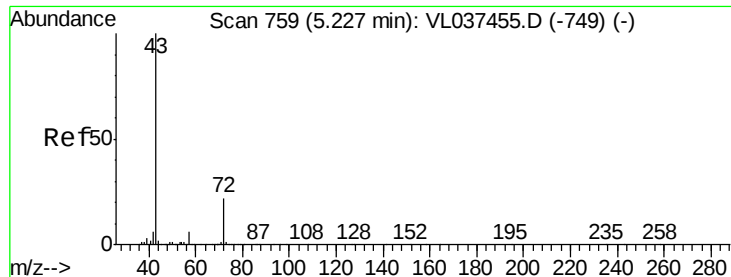
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.3	28.9
88	17.8	14.2	21.4





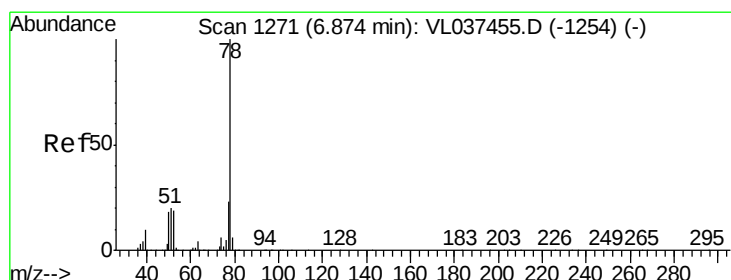
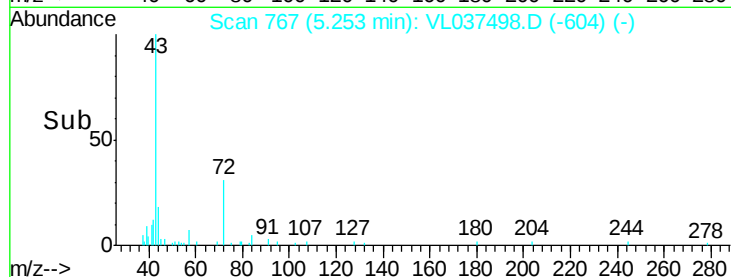
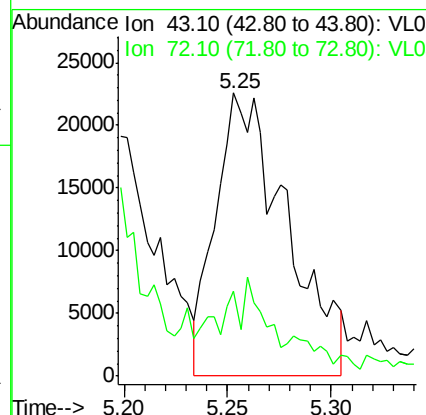
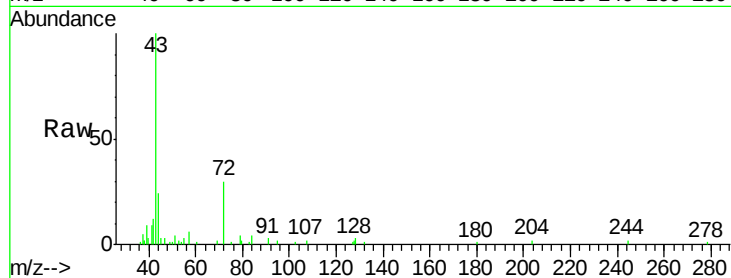
#34
2-Butanone
Concen: 0.318 ppbv m
RT: 5.25 min Scan# 767
Delta R.T. 0.03 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DL

Tot Ion: 43 Resp: 53627
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#

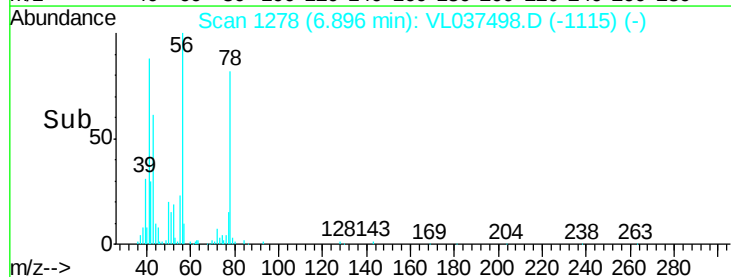
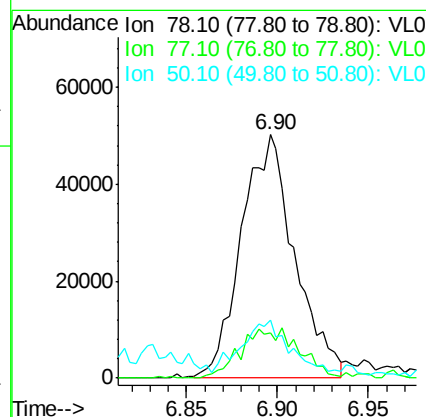
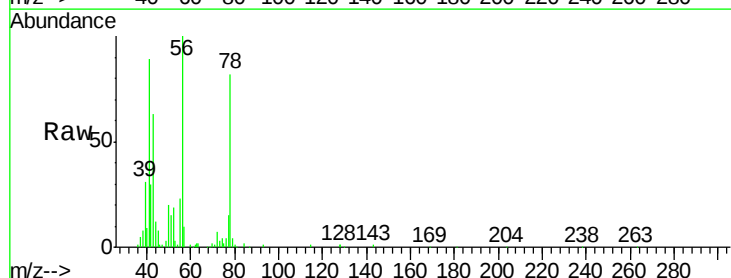
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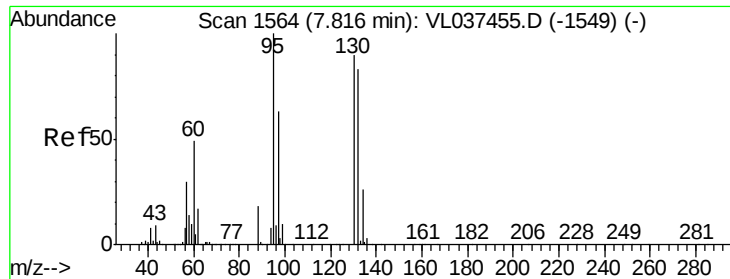
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#36
Benzene
Concen: 0.295 ppbv m
RT: 6.90 min Scan# 1278
Delta R.T. 0.02 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Tgt Ion: 78 Resp: 102167
Ion Ratio Lower Upper
78 100
77 18.7 18.2 27.4
50 23.8 14.6 21.8#





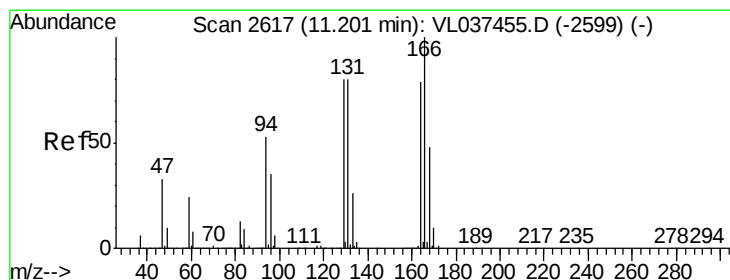
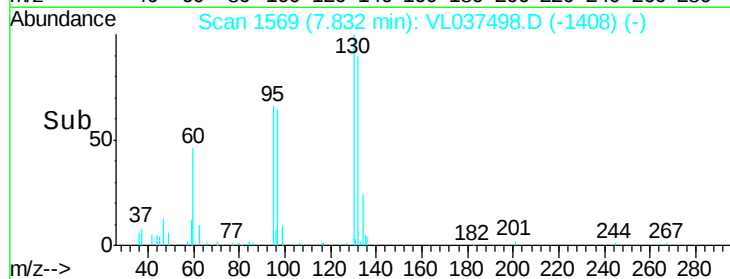
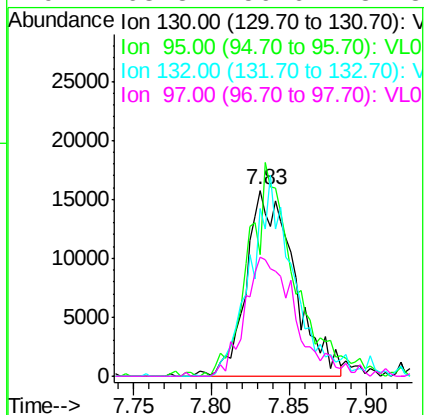
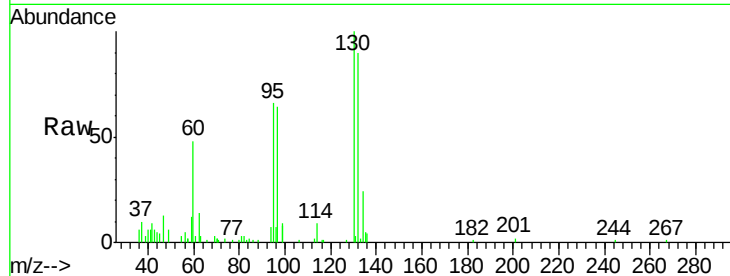
#38
 Trichloroethene
 Concen: 0.235 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037498.D
 Acq: 19 Aug 2021 14:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	65.7	89.2	133.8#
132	90.2	74.0	111.0
97	63.8	56.6	84.8

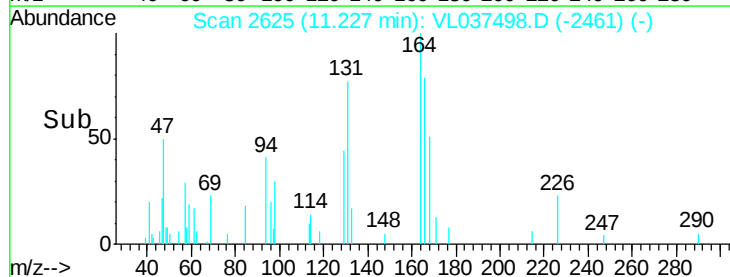
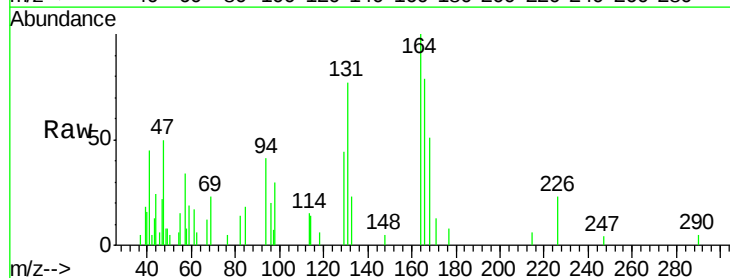
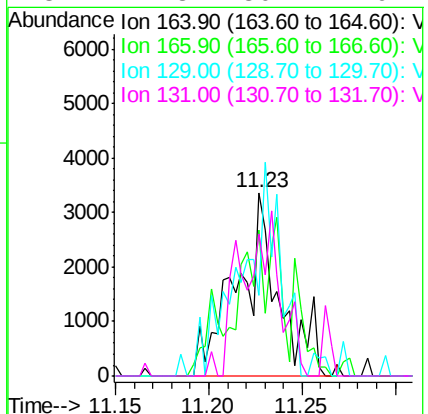
Manual Integrations
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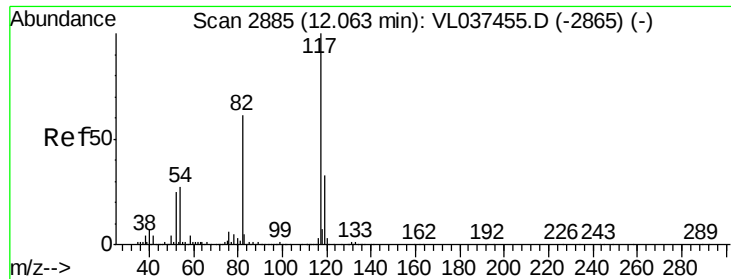
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#52
 Tetrachloroethene
 Concen: 0.037 ppbv m
 RT: 11.23 min Scan# 2625
 Delta R.T. 0.03 min
 Lab File: VL037498.D
 Acq: 19 Aug 2021 14:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	79.4	100.7	151.1#
129	43.8	80.9	121.3#
131	77.3	80.2	120.4#





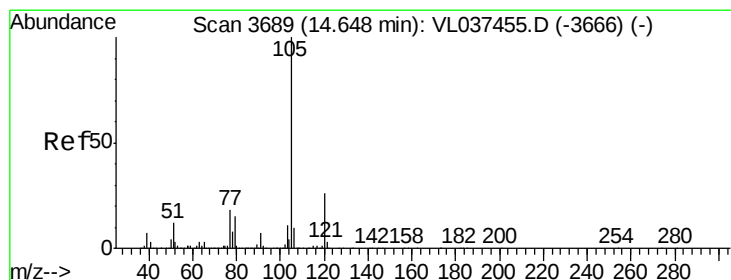
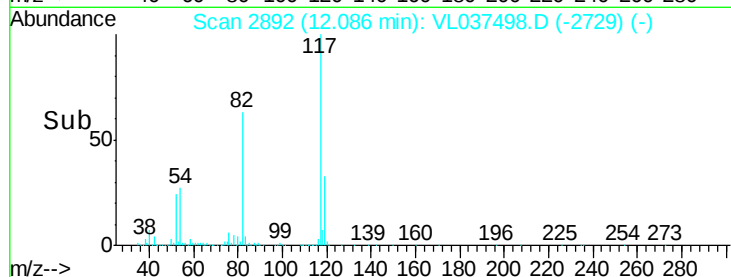
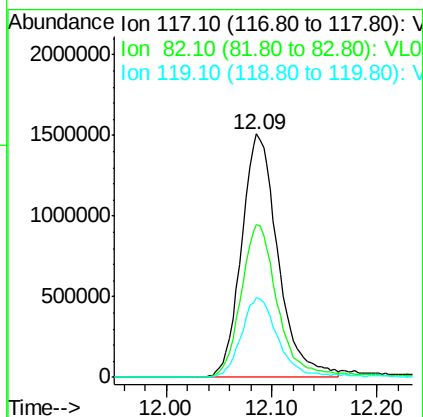
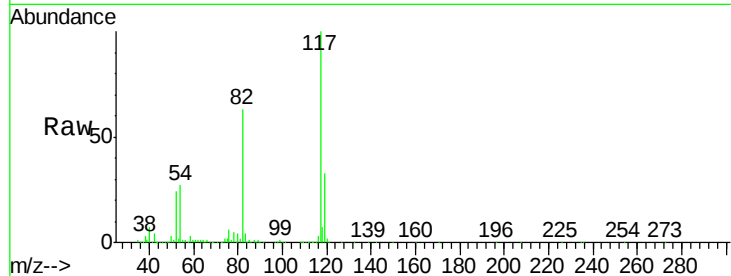
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	52.9	79.3
119	33.1	24.8	37.2

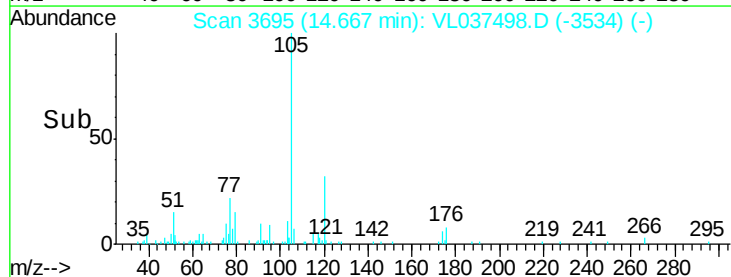
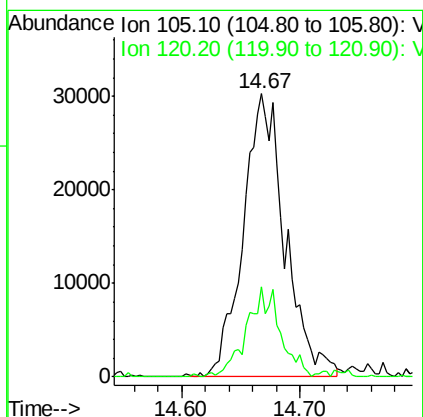
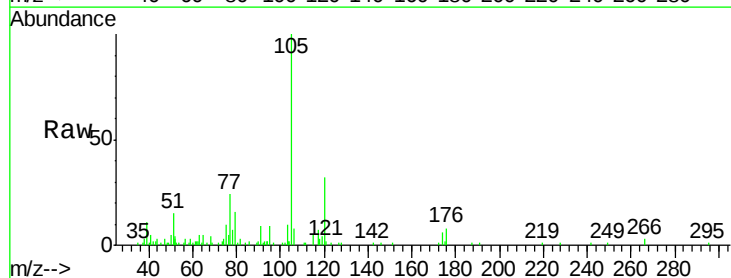
Manual Integrations
APPROVED

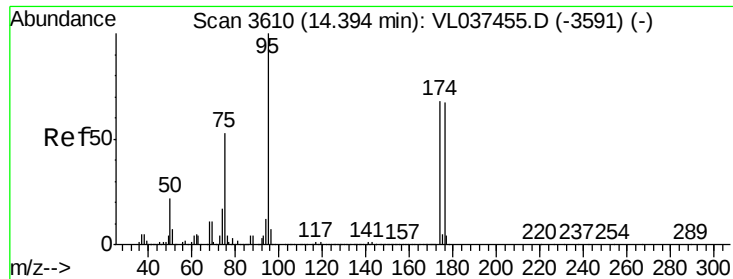
MMDadoda
8/20/2021 6:31:04 PM



#62
Isopropylbenzene
Concen: 0.128 ppbv m
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL037498.D
Acq: 19 Aug 2021 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.5	32.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.215 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037498.D

Acq: 19 Aug 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DL

Tot Ion: 95 Resp: 2639452

Ion Ratio Lower Upper

95 100

174 69.6 59.6 89.4

175 5.5 4.6 7.0

Manual Integrations
APPROVED

MMDadoda
8/20/2021 6:31:04 PM

