

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037510.D
 Acq On : 19 Aug 2021 22:30
 Operator : SY/AP
 Sample : M3480-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-3DL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:31:40 PM

Quant Time: Aug 20 01:30:58 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	1339552	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4157596	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3466844	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2557255	10.38	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	147380m	0.575	ppbv	
9) Propene	3.02	41	17290m	0.188	ppbv	
13) Ethanol	3.61	45	362815m	40.625	ppbv	
15) Acetone	3.86	43	701873	5.148	ppbv	94
17) tert-Butyl alcohol	4.31	59	76596m	0.615	ppbv	
19) Isopropyl Alcohol	3.98	45	86591m	1.109	ppbv	
20) Methylene Chloride	4.35	84	330539	4.843	ppbv	98
26) Hexane	5.69	57	253720m	1.499	ppbv	
34) 2-Butanone	5.26	43	78130m	0.460	ppbv	
36) Benzene	6.90	78	94508m	0.270	ppbv	
38) Trichloroethene	7.83	130	14973m	0.104	ppbv	
52) Tetrachloroethene	11.23	164	6512m	0.045	ppbv	
62) Isopropylbenzene	14.66	105	66764m	0.122	ppbv	

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

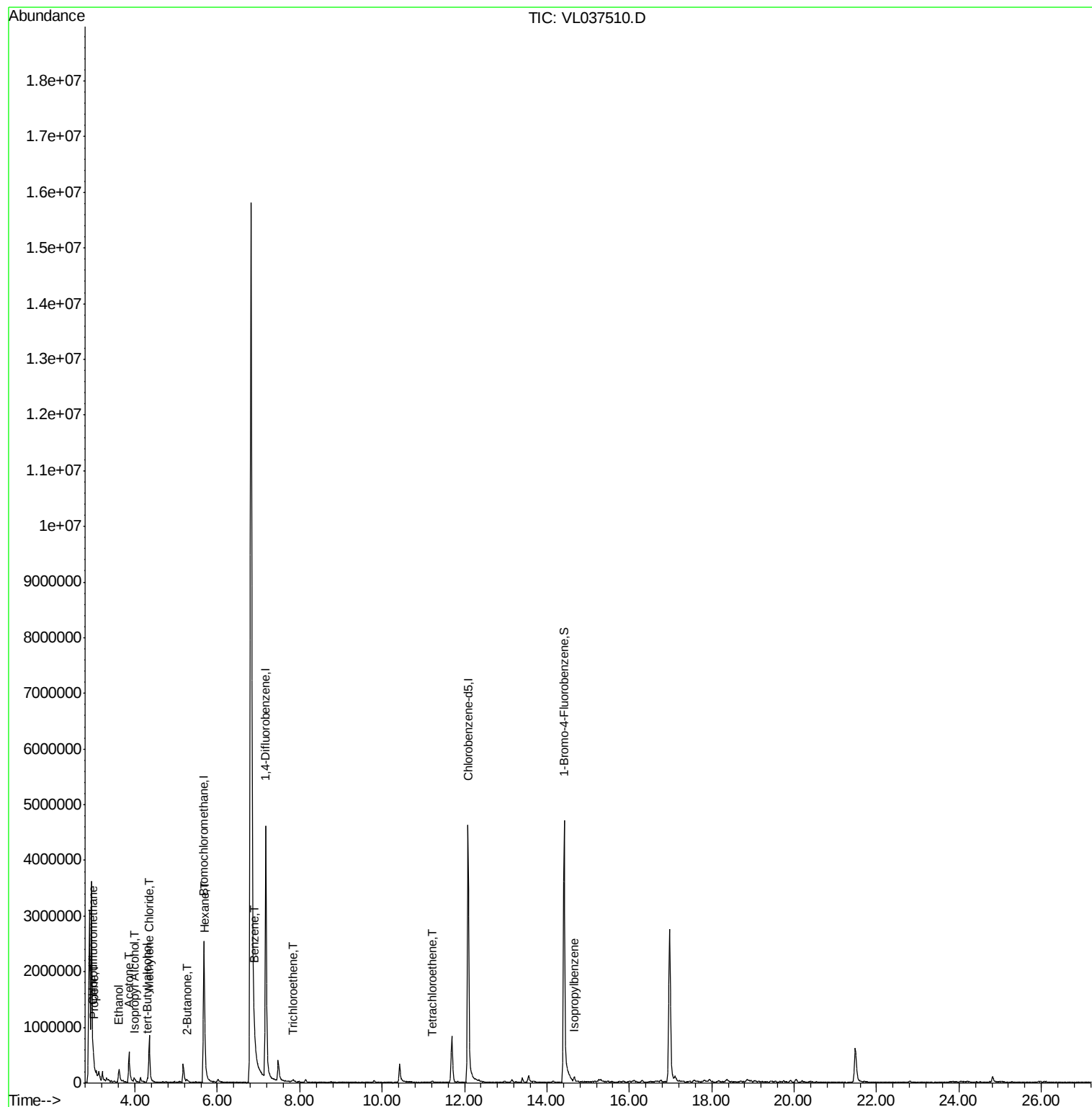
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037510.D
Acq On : 19 Aug 2021 22:30
Operator : SY/AP
Sample : M3480-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

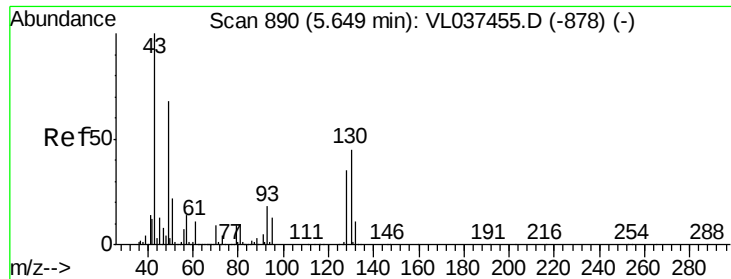
Instrument :
MSVOA_L
ClientSampleId :
SR-SG-3DL

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Quant Time: Aug 20 01:30:58 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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# 897

Delta R.T. 0.02 min

Lab File: VL037510.D

Acq: 19 Aug 2021 22:30

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-3DL

Tot Ion: 49 Resp: 1339552

Ion Ratio Lower Upper

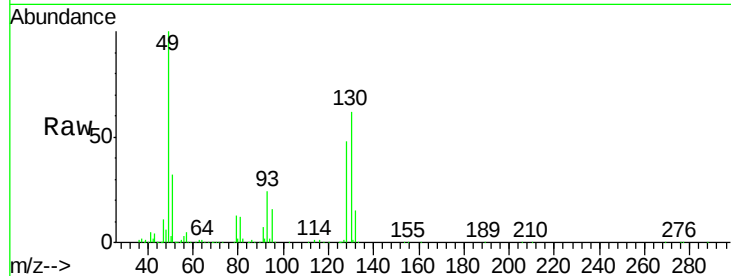
49 100

128 54.8 27.5 82.4

130 70.6 34.0 101.8

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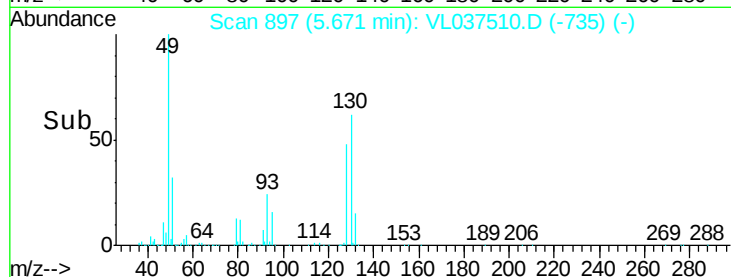
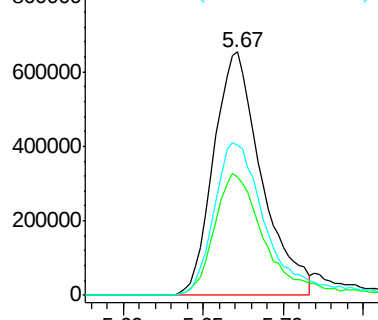
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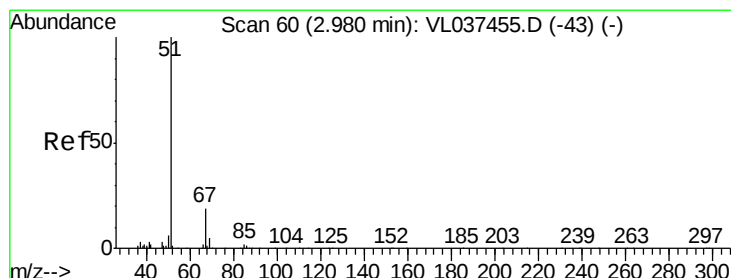
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#3

Chlorodifluoromethane

Concen: 0.575 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL037510.D

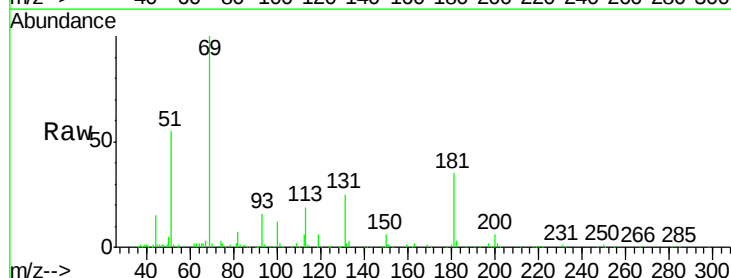
Acq: 19 Aug 2021 22:30

Tgt Ion: 51 Resp: 147380

Ion Ratio Lower Upper

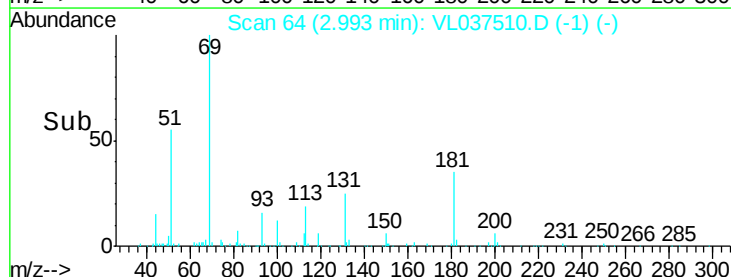
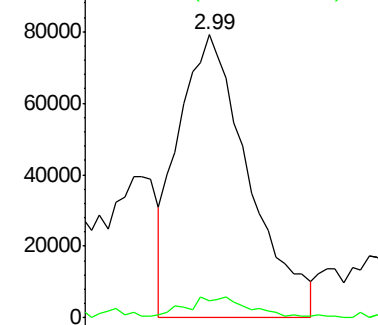
51 100

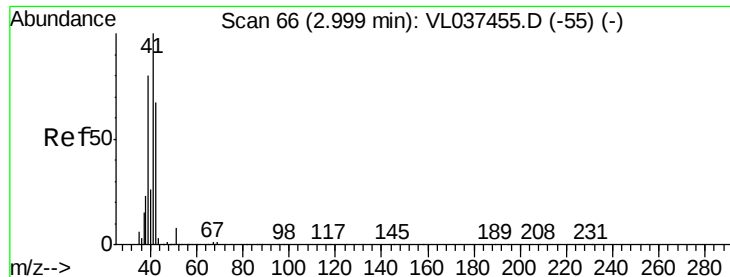
67 6.6 14.2 21.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.188 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037510.D

Acq: 19 Aug 2021 22:30

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-3DL

Tot Ion: 41 Resp: 17290

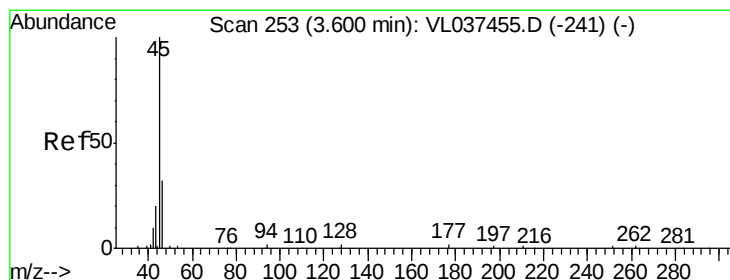
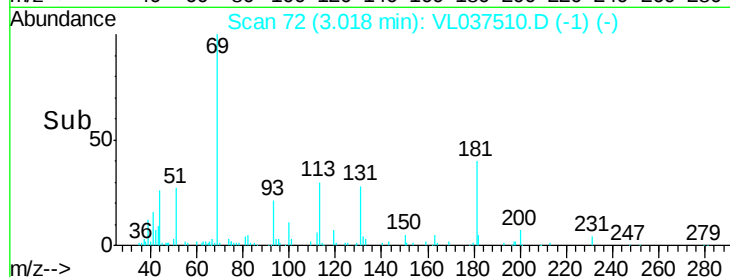
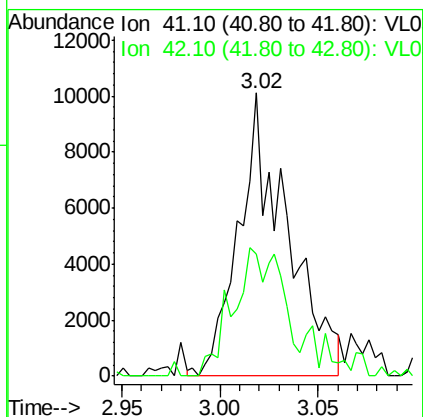
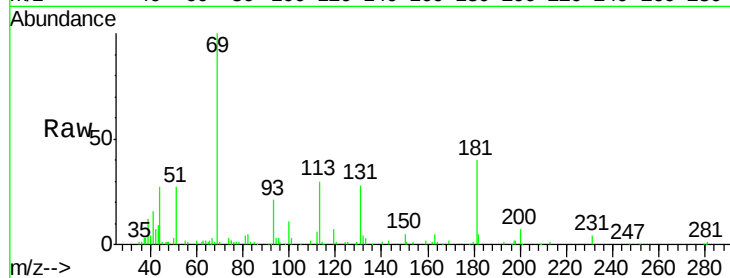
Ion Ratio Lower Upper

41 100

42 41.6 53.7 80.5#

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#13

Ethanol

Concen: 40.625 ppbv m

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037510.D

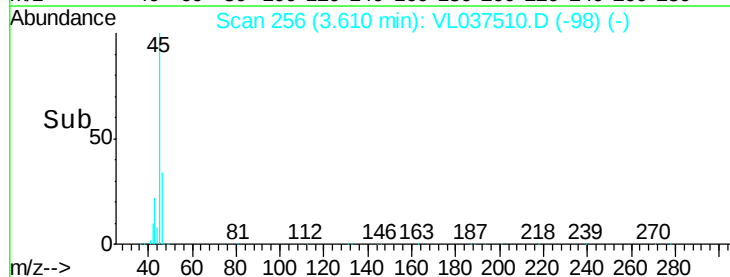
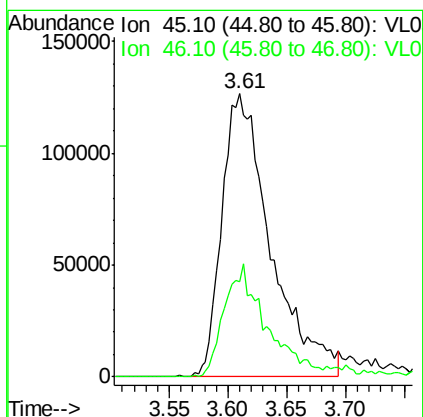
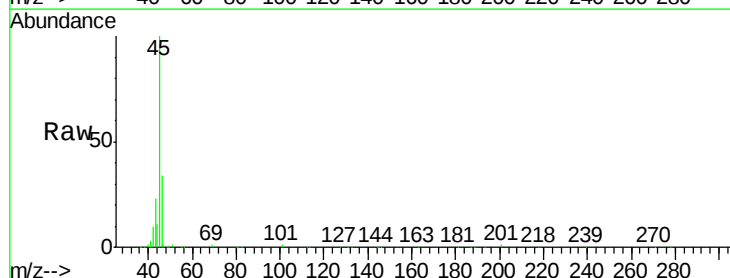
Acq: 19 Aug 2021 22:30

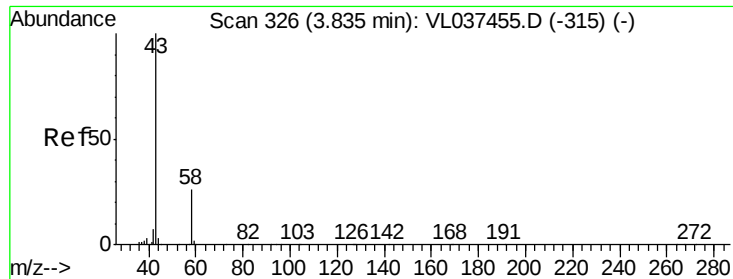
Tgt Ion: 45 Resp: 362815

Ion Ratio Lower Upper

45 100

46 34.2 14.1 56.5





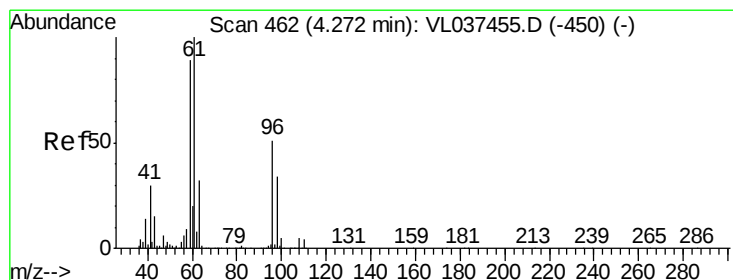
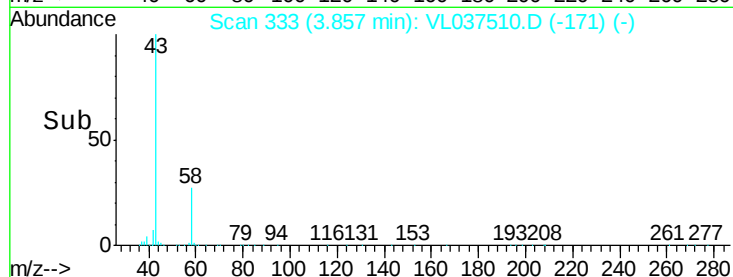
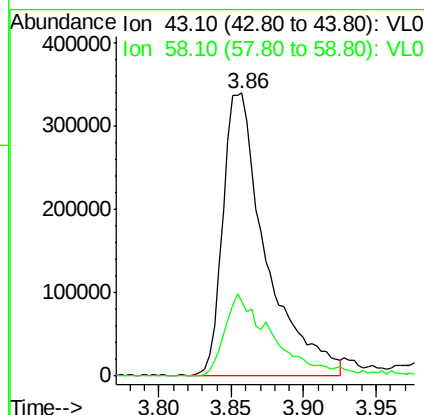
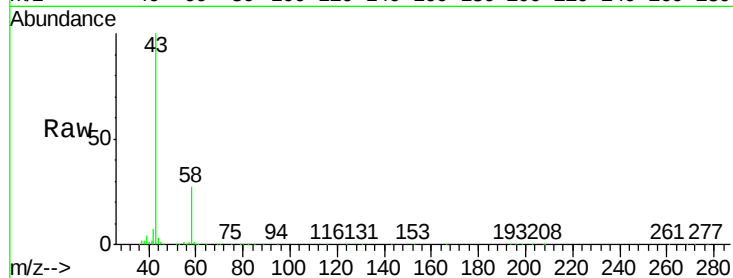
#15
Acetone
Concen: 5.148 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-3DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.0	24.8	37.2

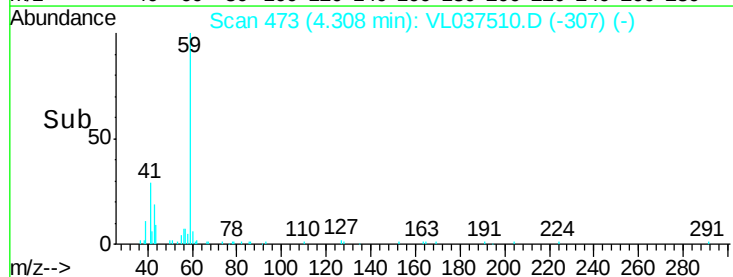
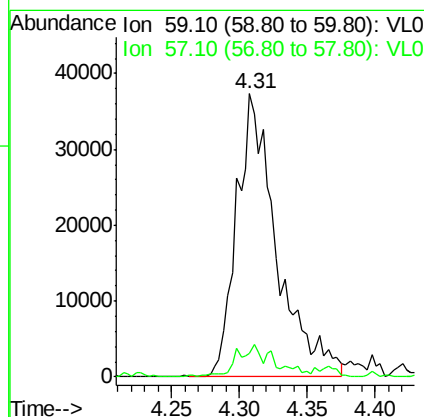
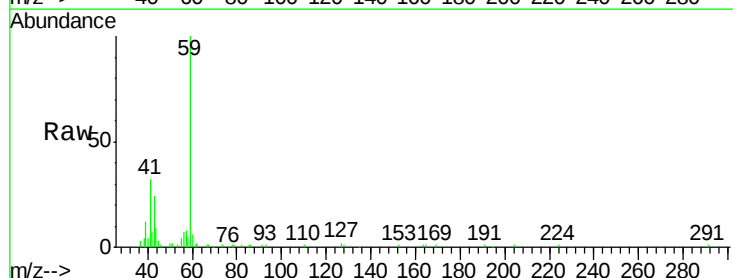
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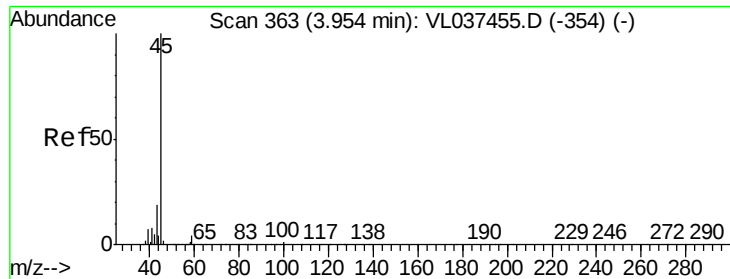
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#17
tert-Butyl alcohol
Concen: 0.615 ppbv m
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

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





#19

Isopropyl Alcohol

Concen: 1.109 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037510.D

Acq: 19 Aug 2021 22:30

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-3DL

Tot Ion: 45 Resp: 86591

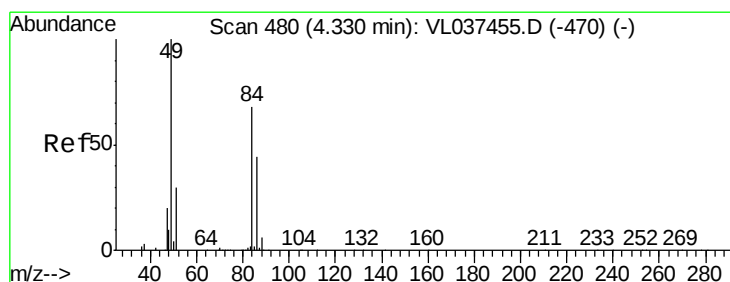
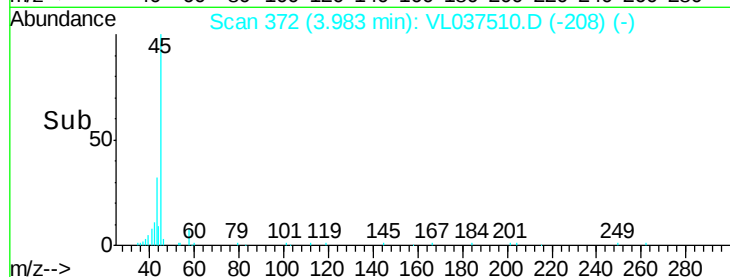
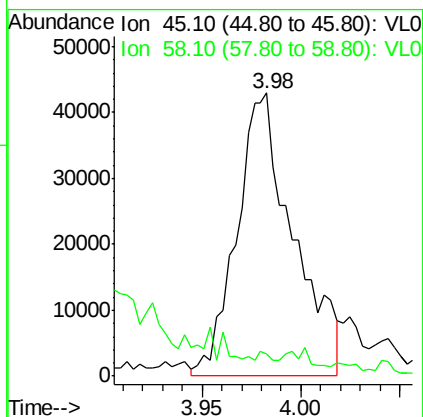
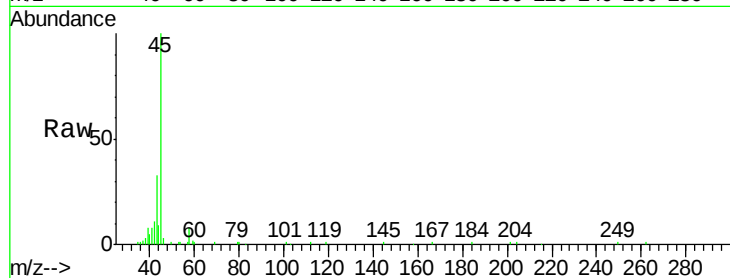
Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

Manual Integrations
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#20

Methylene Chloride

Concen: 4.843 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037510.D

Acq: 19 Aug 2021 22:30

Tgt Ion: 84 Resp: 330539

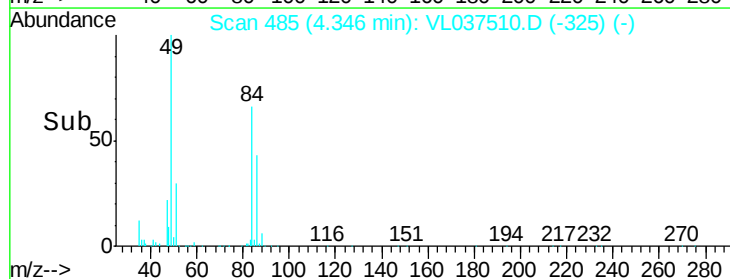
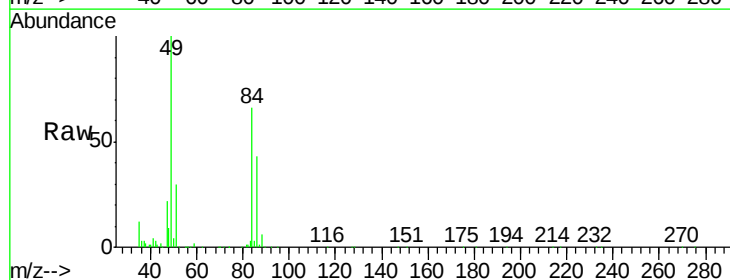
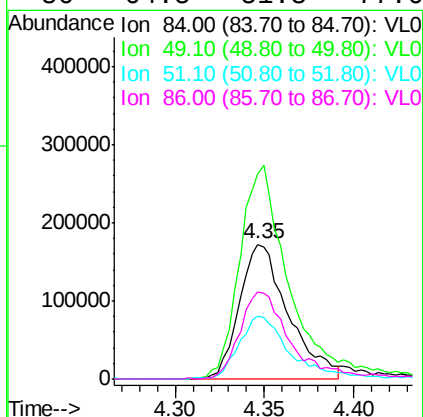
Ion Ratio Lower Upper

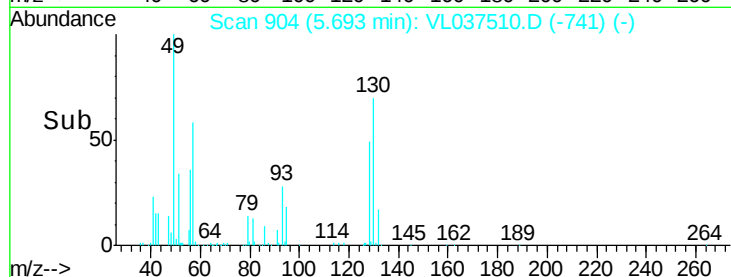
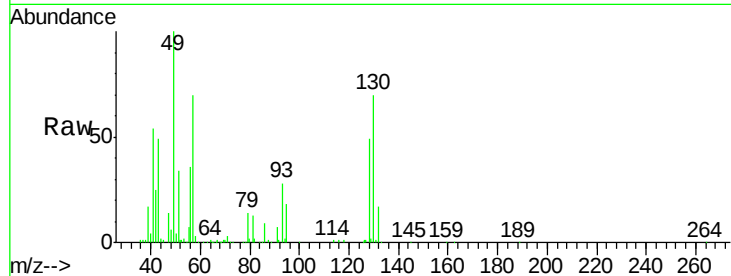
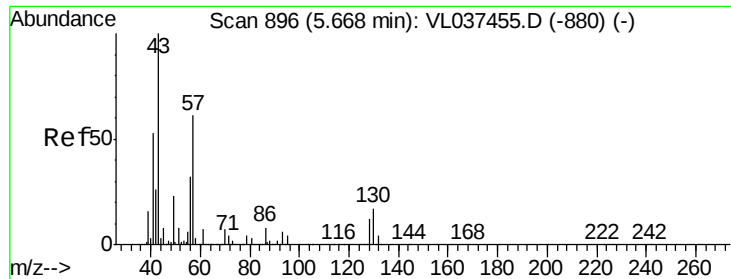
84 100

49 151.8 118.2 177.2

51 45.7 36.6 55.0

86 64.5 51.8 77.6





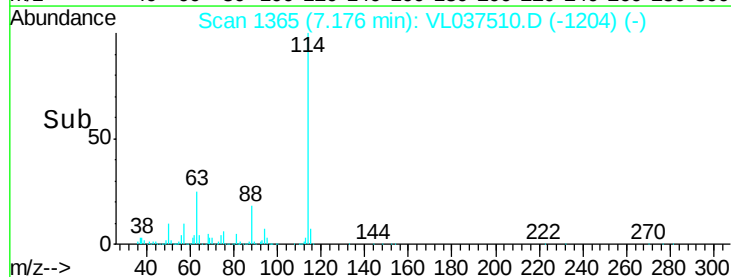
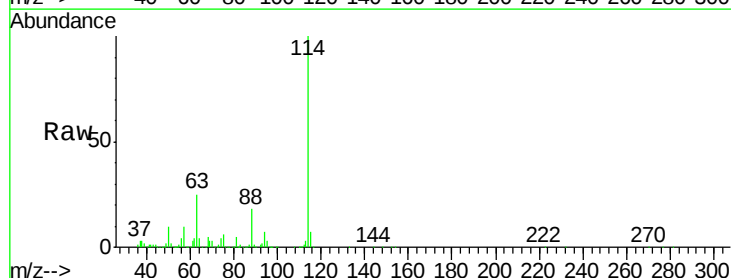
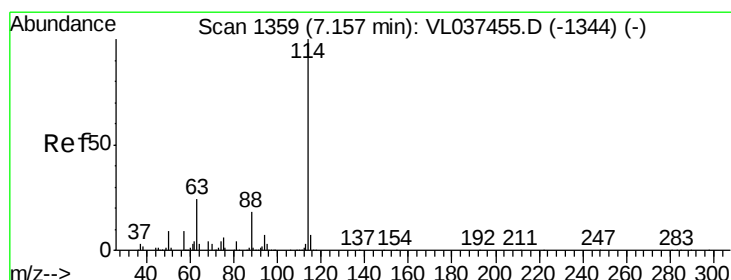
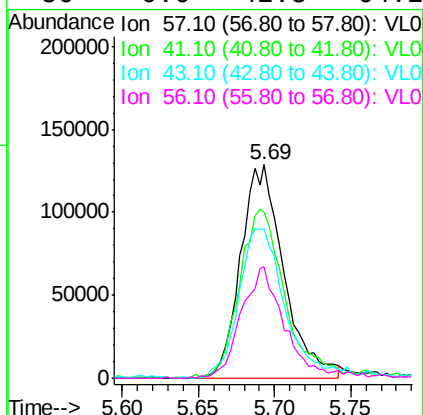
#26
Hexane
Concen: 1.499 ppbv m
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Tot Ion	Ratio	Lower	Upper
57	100		
41	86.2	72.3	108.5
43	76.7	172.3	258.5#
56	0.0	42.8	64.2#

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-3DL

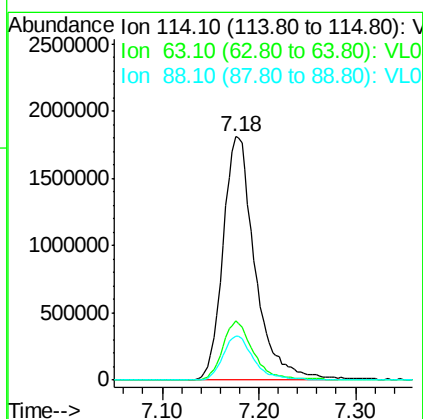
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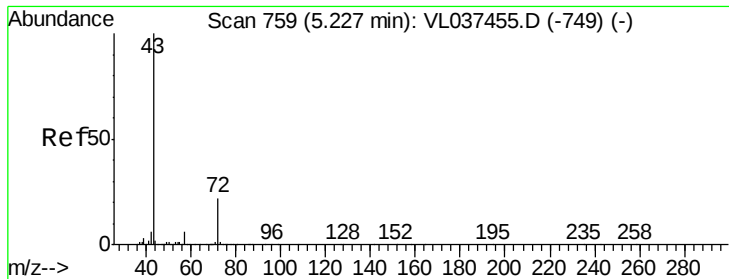
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.3	28.9
88	17.9	14.2	21.4





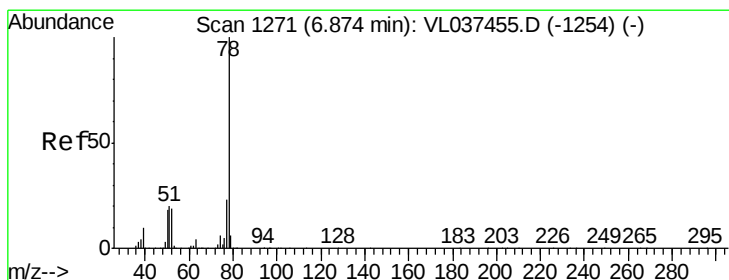
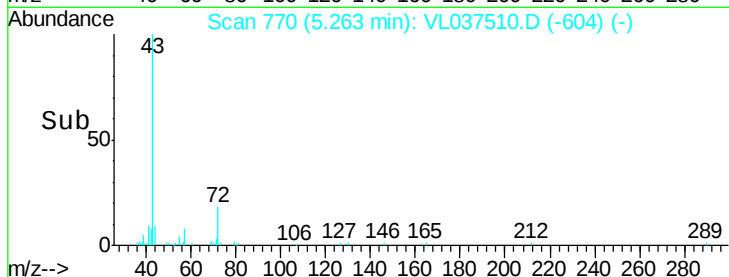
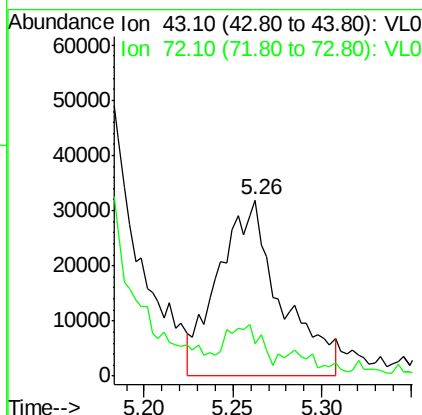
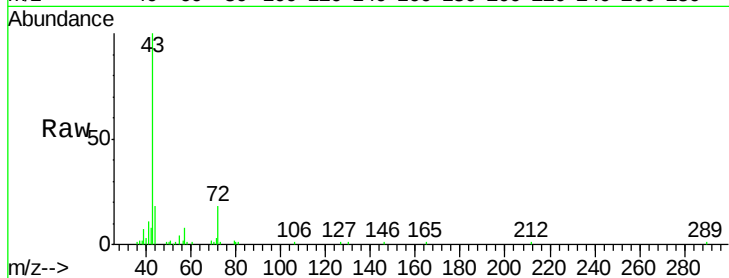
#34
2-Butanone
Concen: 0.460 ppbv m
RT: 5.26 min Scan# 770
Delta R.T. 0.04 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-3DL

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

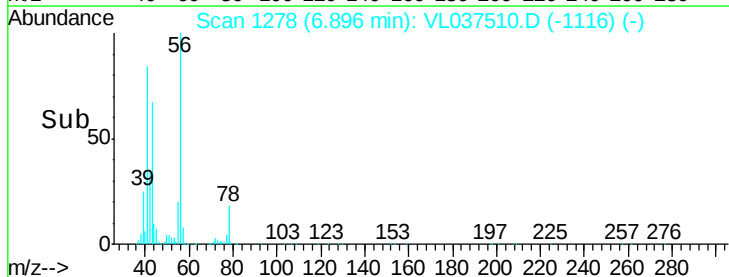
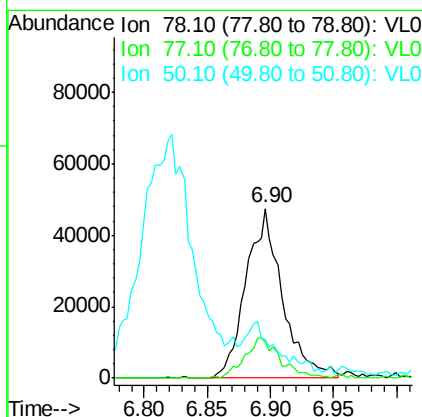
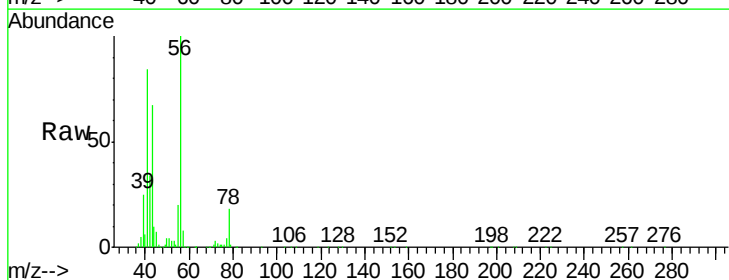
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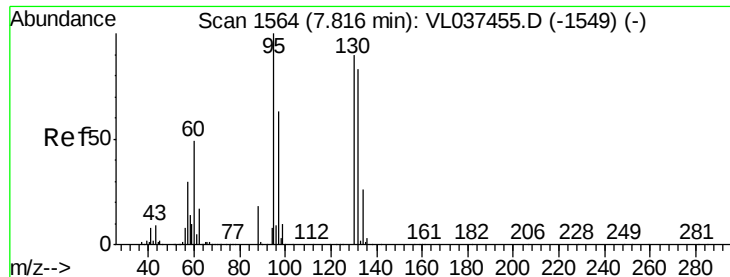
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#36
Benzene
Concen: 0.270 ppbv m
RT: 6.90 min Scan# 1278
Delta R.T. 0.02 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.2	27.4
50	22.5	14.6	21.8#





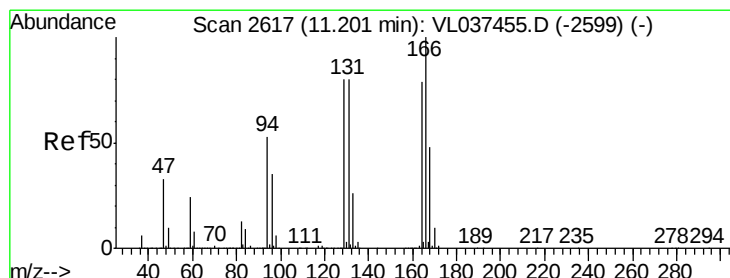
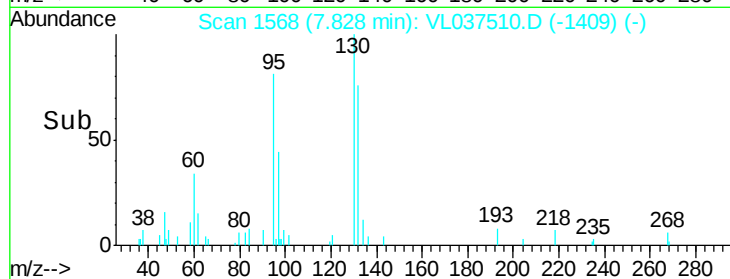
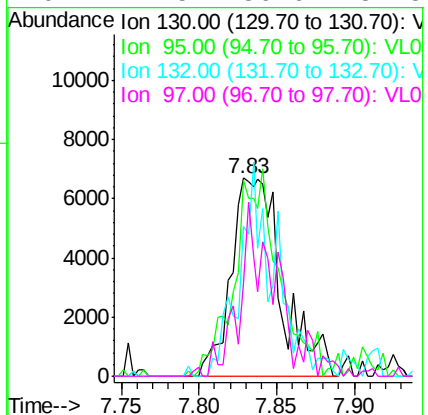
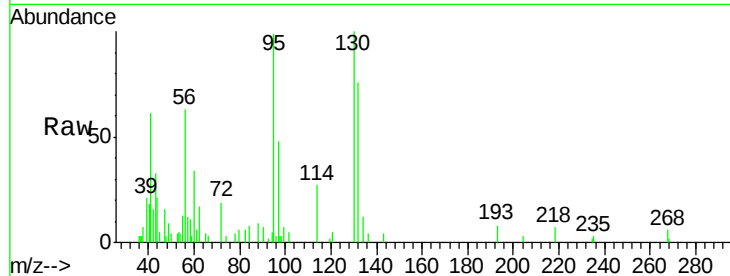
#38
 Trichloroethene
 Concen: 0.104 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VL037510.D
 Acq: 19 Aug 2021 22:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		14973		
95	98.7	89.2	133.8		
132	76.0	74.0	111.0		
97	47.5	56.6	84.8#		

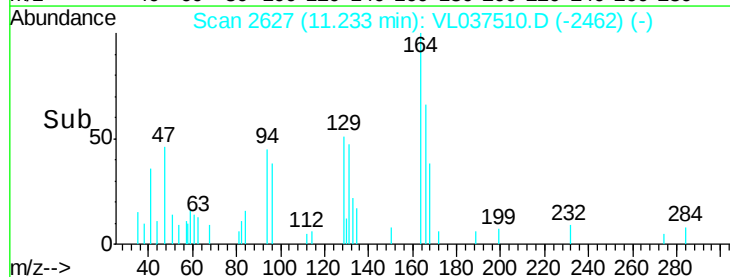
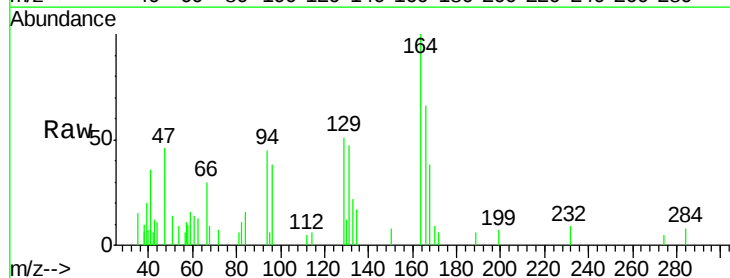
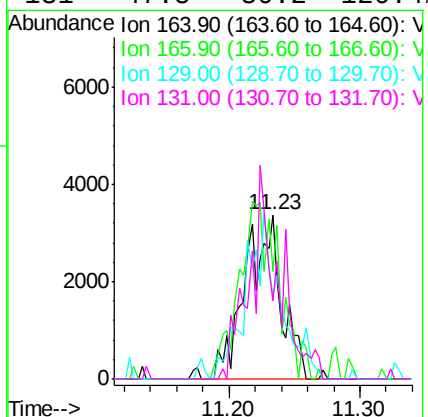
Manual Integrations
 APPROVED

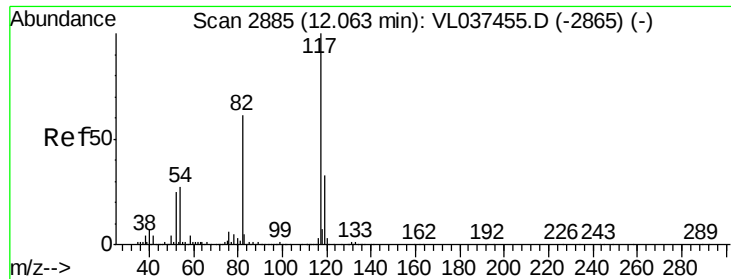
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#52
 Tetrachloroethene
 Concen: 0.045 ppbv m
 RT: 11.23 min Scan# 2627
 Delta R.T. 0.03 min
 Lab File: VL037510.D
 Acq: 19 Aug 2021 22:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		6512		
166	65.5	100.7	151.1#		
129	51.0	80.9	121.3#		
131	47.5	80.2	120.4#		





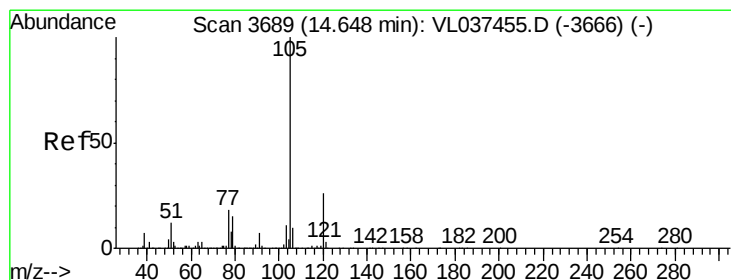
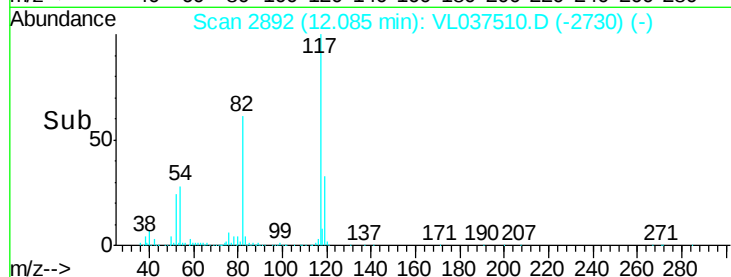
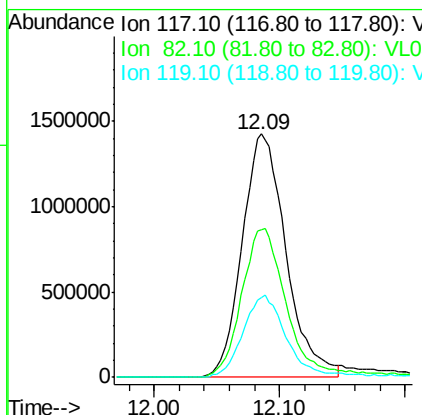
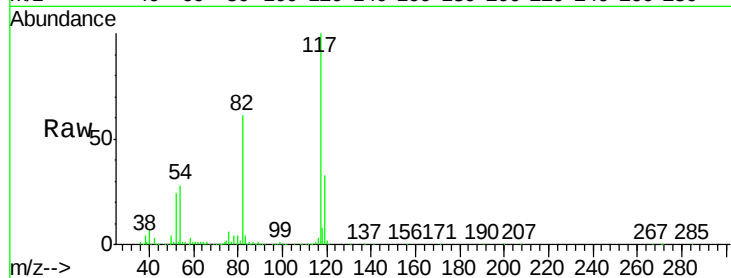
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.9	79.3
119	34.9	24.8	37.2

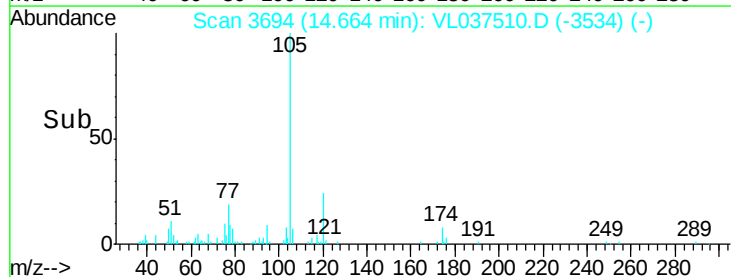
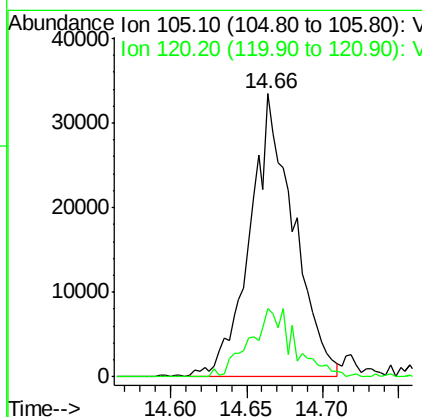
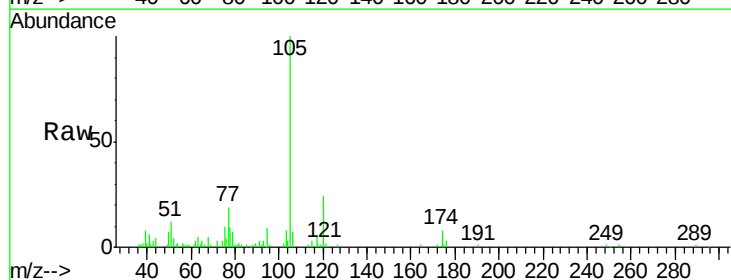
Manual Integrations
APPROVED

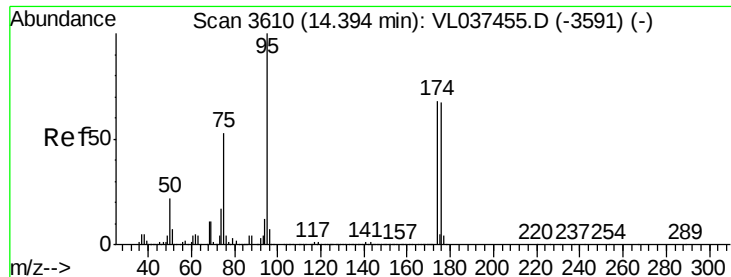
MMDadoda
8/20/2021 6:31:40 PM



#62
Isopropylbenzene
Concen: 0.122 ppbv m
RT: 14.66 min Scan# 3694
Delta R.T. 0.02 min
Lab File: VL037510.D
Acq: 19 Aug 2021 22:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	21.5	32.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.383 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.02 min
 Lab File: VL037510.D
 Acq: 19 Aug 2021 22:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.2	59.6	89.4
175	5.7	4.6	7.0

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:31:40 PM

