

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037331.D
 Acq On : 5 Aug 2021 6:39
 Operator : SY/AP
 Sample : M3211-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-3DL

Manual Integrations
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 8/5/2021 1:41:15 PM

Quant Time: Aug 05 10:03:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1078668	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3506250	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2959038	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1972615	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	237890m	3.000	ppbv	
10) Heptane	8.12	43	96136m	0.519	ppbv	
13) Ethanol	3.61	45	86376m	7.231	ppbv	
15) Acetone	3.84	43	1231380m	10.509	ppbv	
19) Isopropyl Alcohol	3.98	45	105290m	1.624	ppbv	
20) Methylene Chloride	4.34	84	98165m	1.012	ppbv	
26) Hexane	5.68	57	304833	1.788	ppbv	# 46
27) Carbon Disulfide	4.55	76	13878m	0.100	ppbv	
34) 2-Butanone	5.24	43	353639m	2.907	ppbv	
41) Tetrahydrofuran	6.04	42	575745	8.509	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	24040m	0.129	ppbv	
51) 2-Hexanone	10.15	43	27706m	0.327	ppbv	
52) Tetrachloroethene	11.21	164	53322	0.392	ppbv	97
53) Toluene	9.79	91	55024m	0.148	ppbv	

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

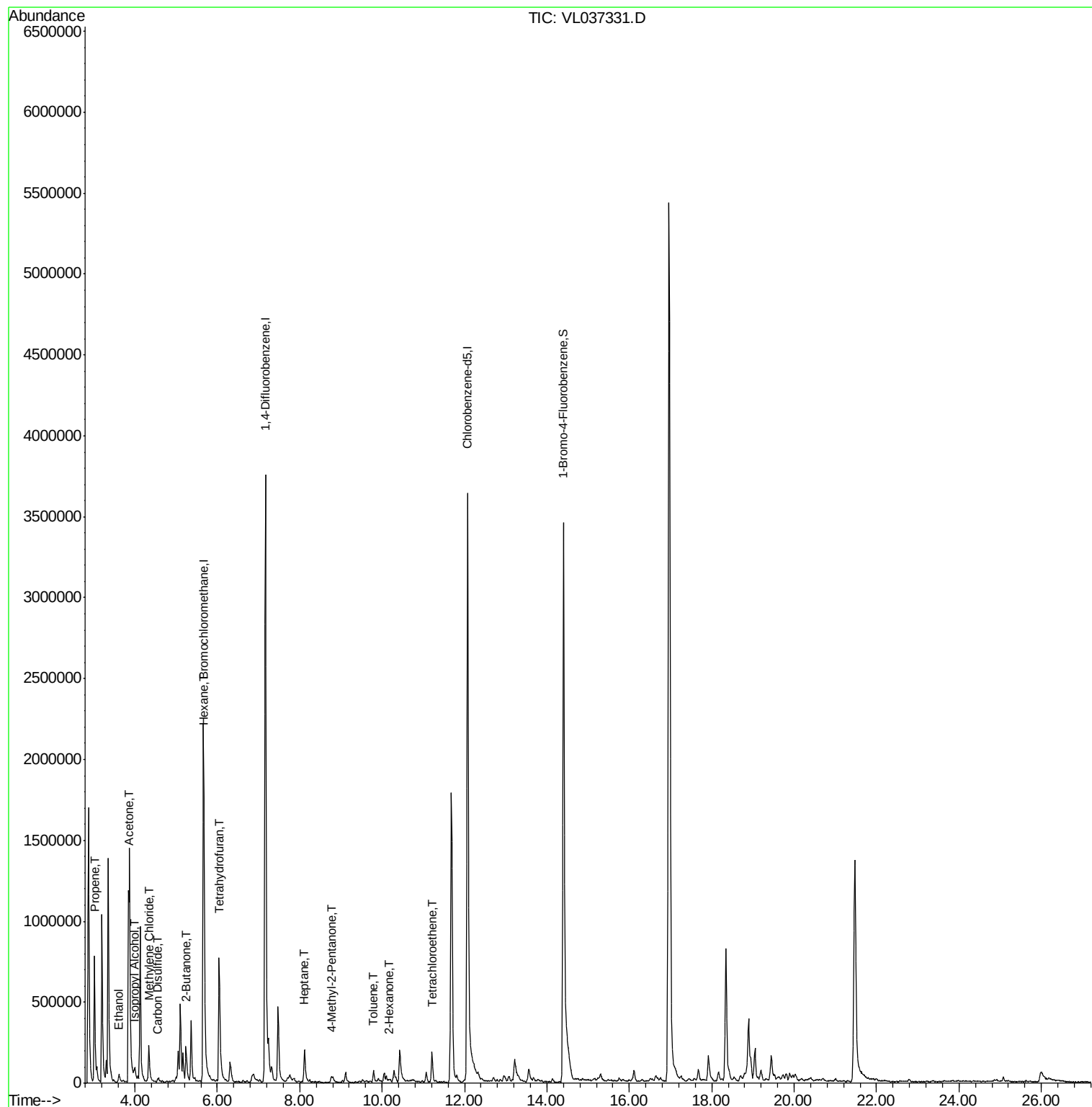
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037331.D
Acq On : 5 Aug 2021 6:39
Operator : SY/AP
Sample : M3211-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

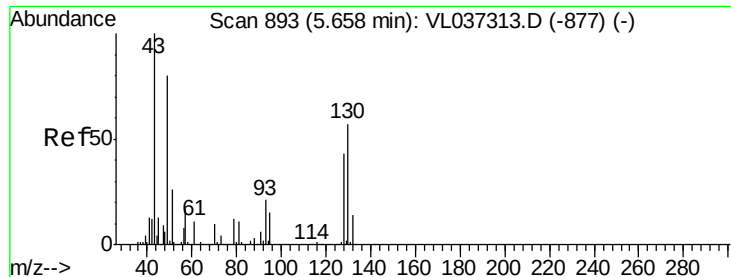
Instrument :
MSVOA_L
ClientSampleId :
SVP-3DL

Manual Integrations
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Quant Time: Aug 05 10:03:56 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037331.D

Acq: 5 Aug 2021 6:39

Instrument :

MSVOA_L

ClientSampleId :

SVP-3DL

Tot Ion: 49 Resp: 1078668

Ion Ratio Lower Upper

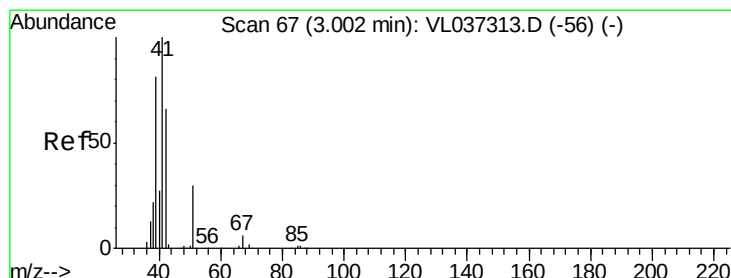
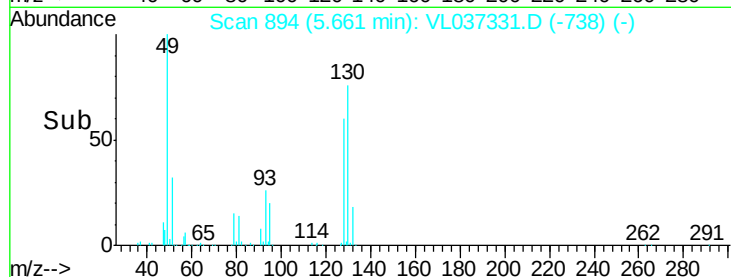
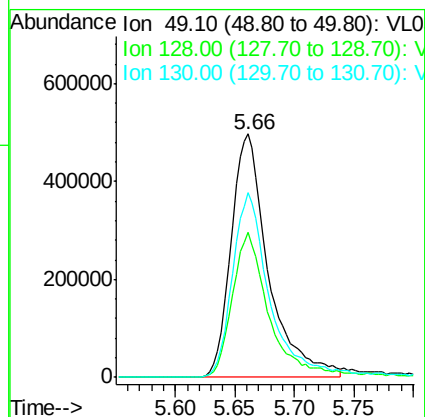
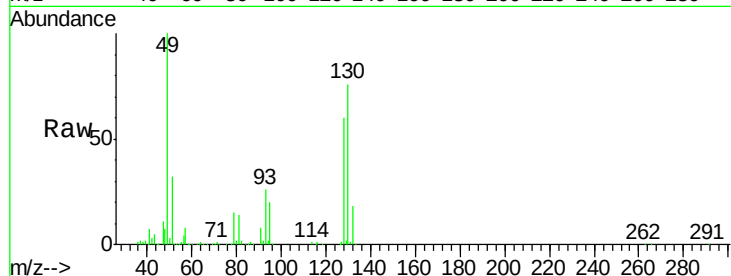
49 100

128 61.0 29.8 89.5

130 78.2 37.5 112.7

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#9

Propene

Concen: 3.000 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037331.D

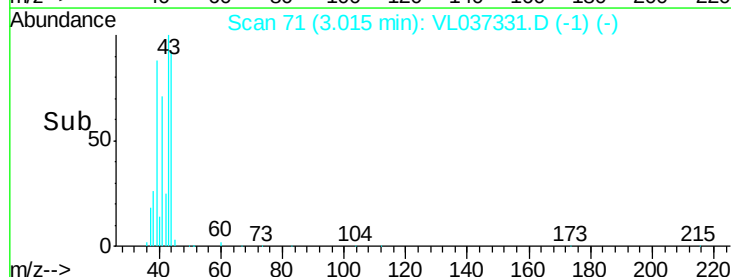
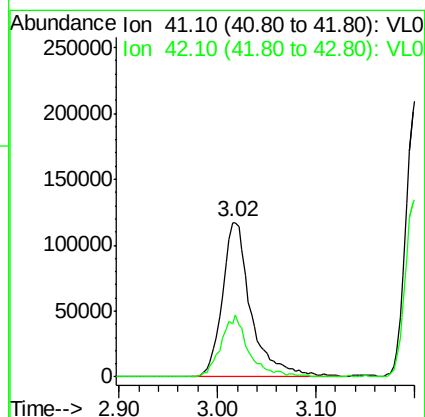
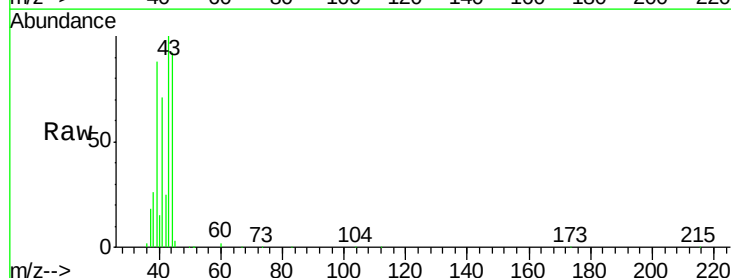
Acq: 5 Aug 2021 6:39

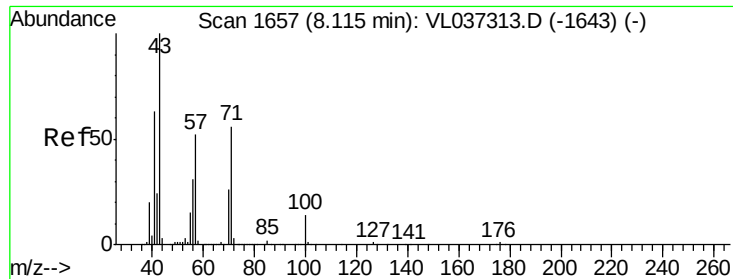
Tgt Ion: 41 Resp: 237890

Ion Ratio Lower Upper

41 100

42 102.3 53.8 80.8#





#10

Heptane

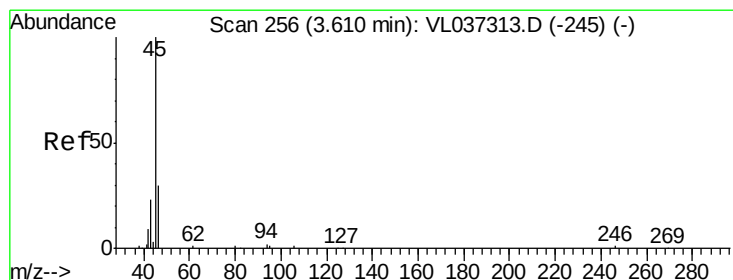
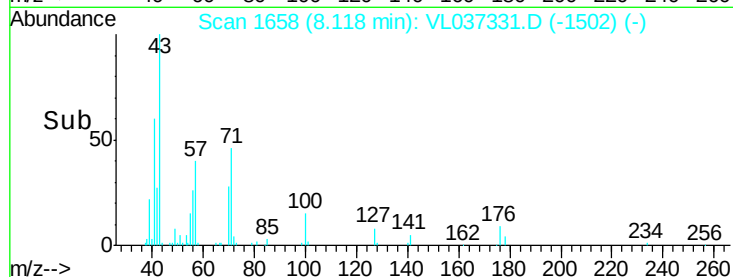
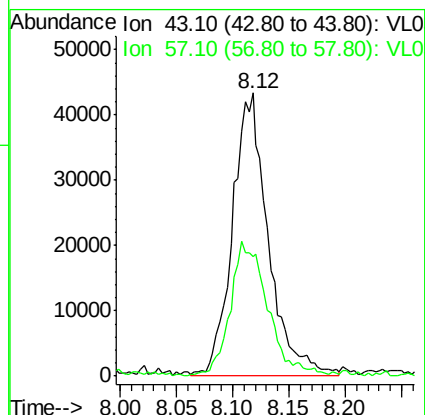
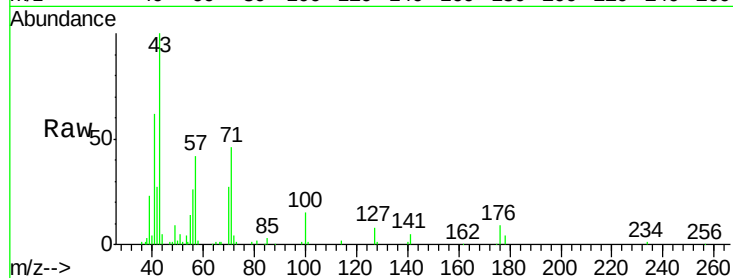
Concen: 0.519 ppbv m
RT: 8.12 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Instrument :
MSVOA_L
ClientSampleId :
SVP-3DL

Tot Ion: 43 Resp: 96136
Ion Ratio Lower Upper
43 100
57 48.8 42.4 63.6

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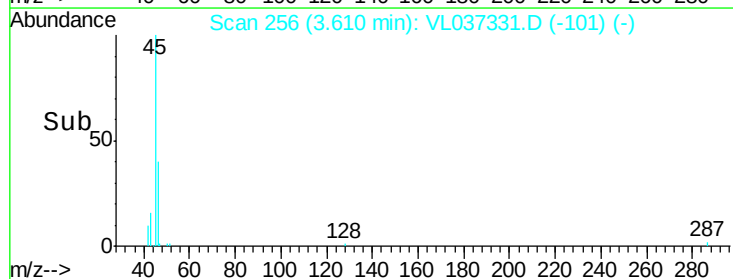
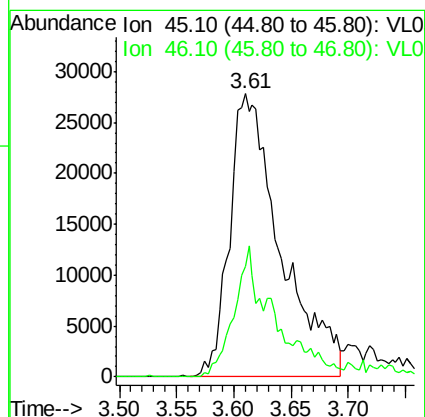
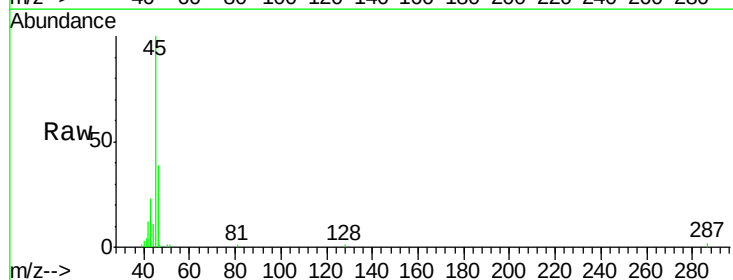


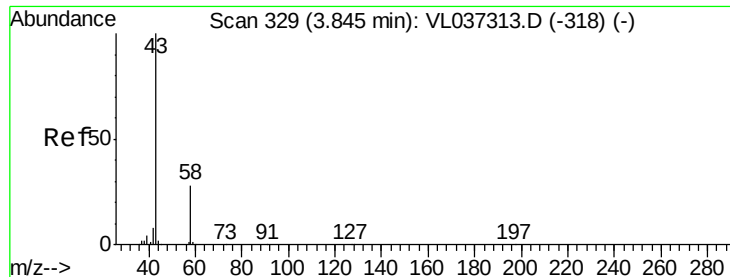
#13

Ethanol

Concen: 7.231 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Tgt Ion: 45 Resp: 86376
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.4#





#15

Acetone

Concen: 10.509 ppbv m

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL037331.D

Acq: 5 Aug 2021 6:39

Instrument :

MSVOA_L

ClientSampleId :

SVP-3DL

Tot Ion: 43 Resp: 1231380

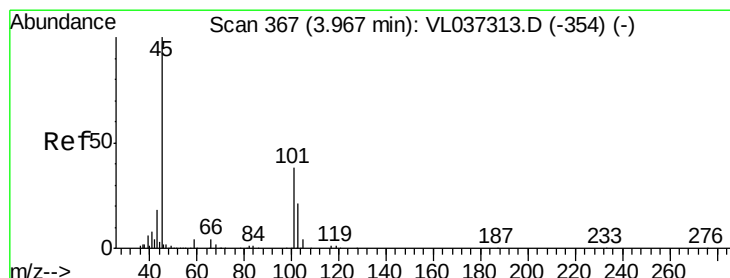
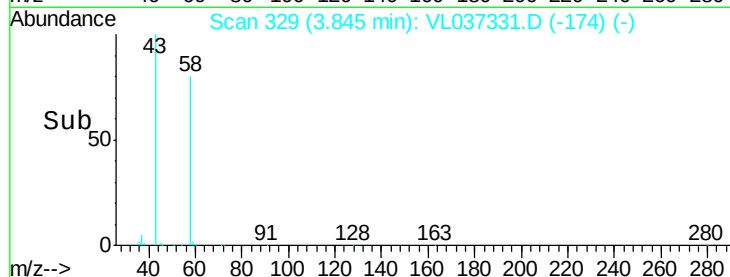
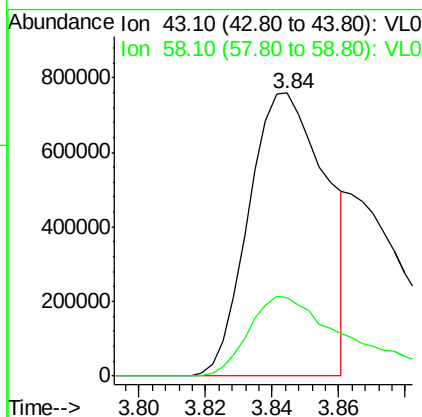
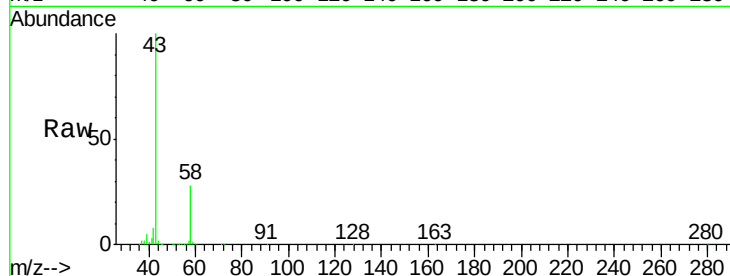
Ion Ratio Lower Upper

43 100

58 42.1 25.3 37.9#

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#19

Isopropyl Alcohol

Concen: 1.624 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL037331.D

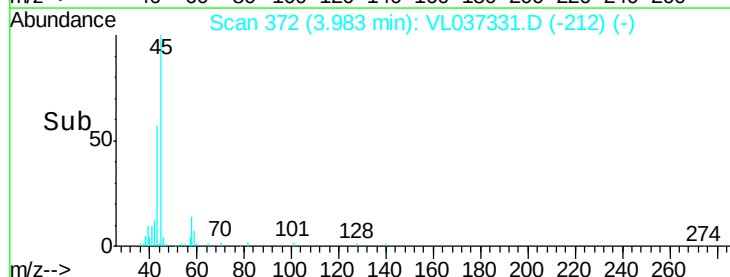
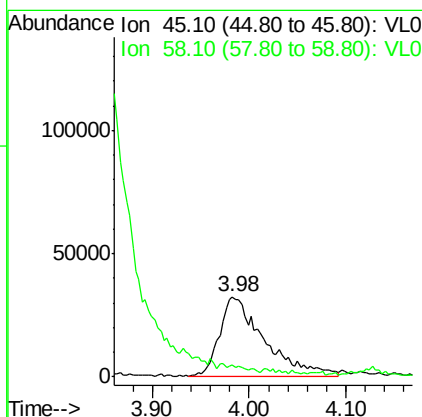
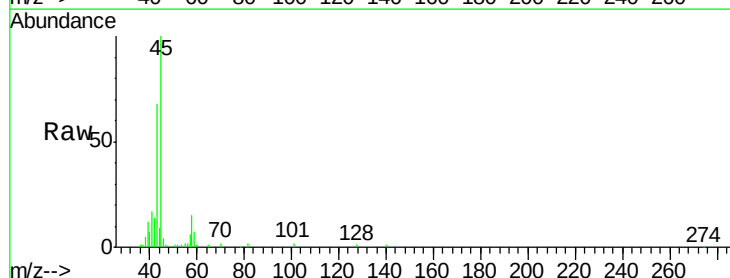
Acq: 5 Aug 2021 6:39

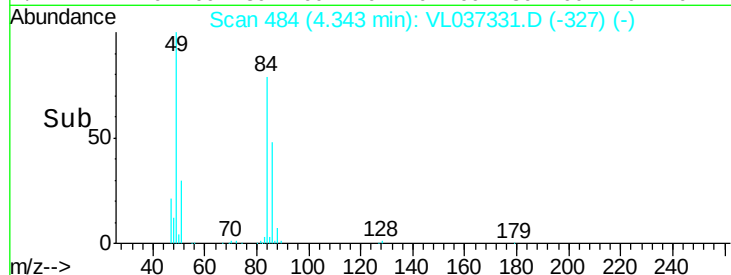
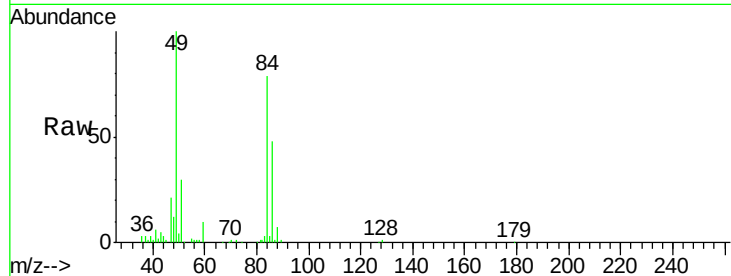
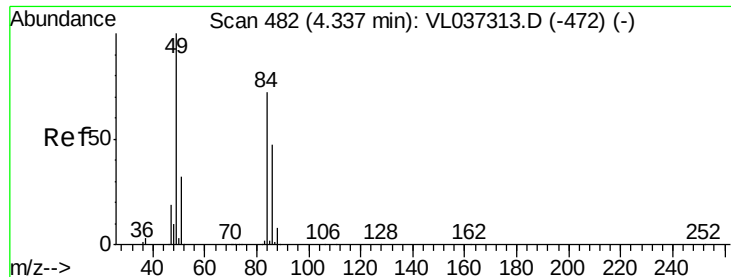
Tgt Ion: 45 Resp: 105290

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#





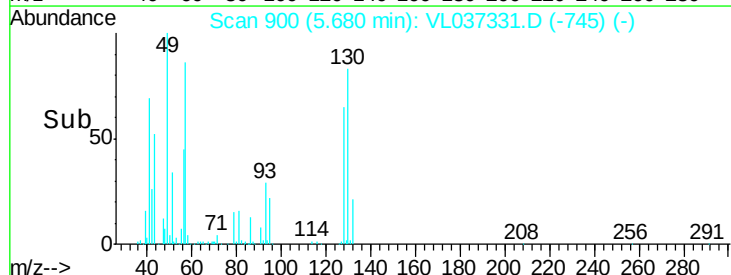
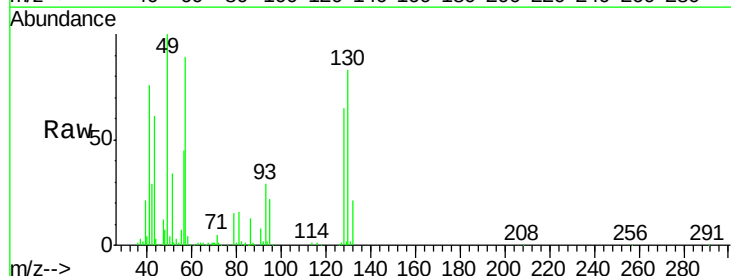
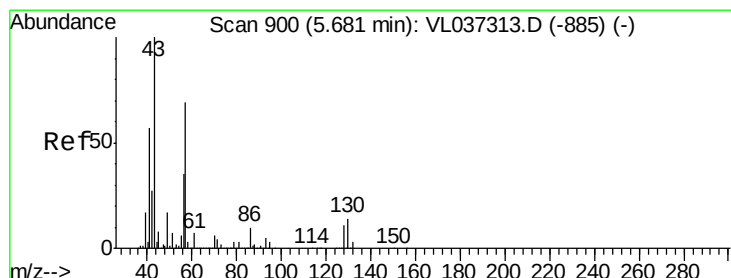
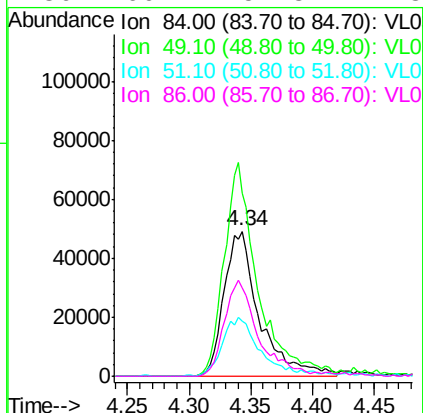
#20
Methylene Chloride
Concen: 1.012 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Tot Ion	84	Resp	98165
Ion Ratio	Lower	Upper	
84	100		
49	126.4	110.4	165.6
51	38.1	35.8	53.6
86	60.7	51.8	77.8

Instrument :
MSVOA_L
ClientSampled :
SVP-3DL

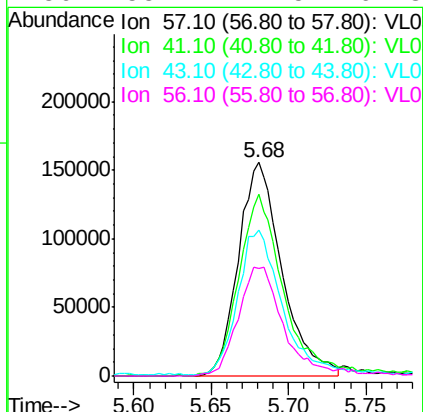
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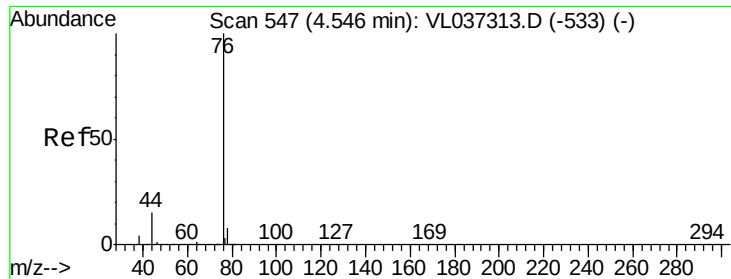
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#26
Hexane
Concen: 1.788 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Tgt Ion	57	Resp	304833
Ion Ratio	Lower	Upper	
57	100		
41	88.6	67.5	101.3
43	71.8	163.0	244.4#
56	55.4	41.5	62.3





#27

Carbon Disulfide

Concen: 0.100 ppbv m

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037331.D

Acq: 5 Aug 2021 6:39

Instrument :

MSVOA_L

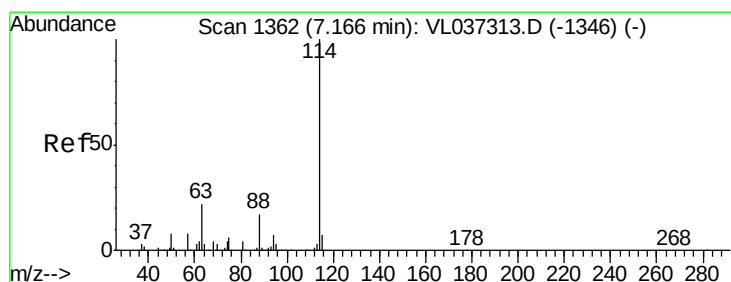
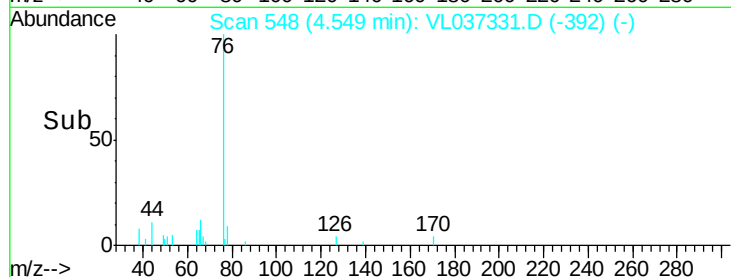
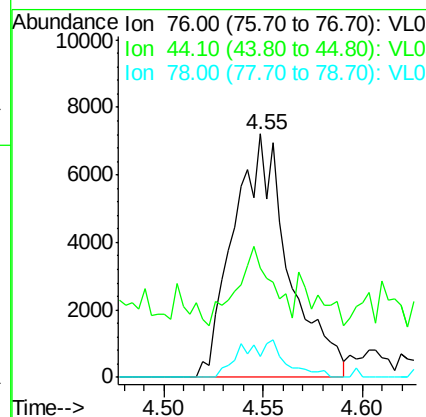
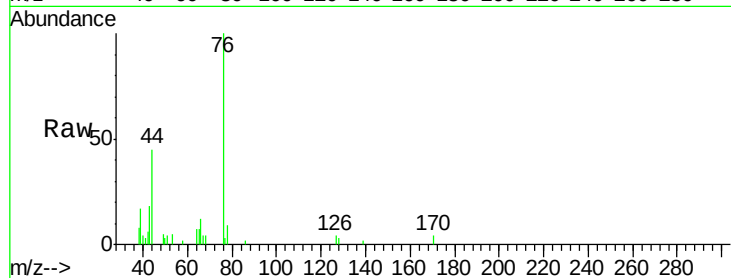
ClientSampleId :

SVP-3DL

Tot Ion:	76	Resp:	13878
Ion	Ratio	Lower	Upper
76	100		
44	29.4	13.1	19.7#
78	12.4	8.0	12.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

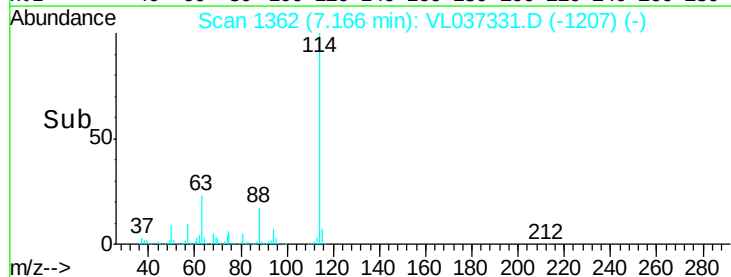
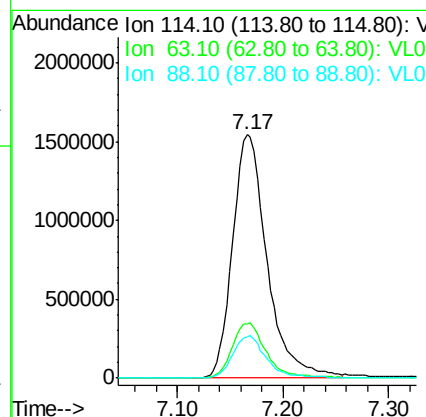
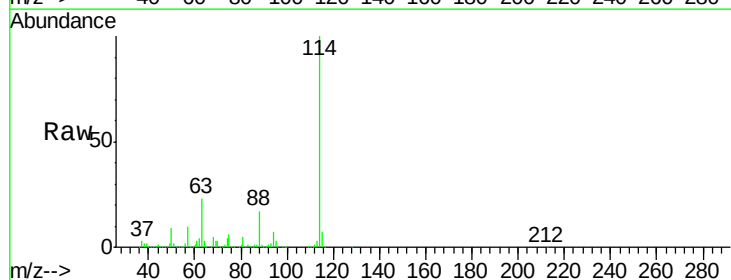
RT: 7.17 min Scan# 1362

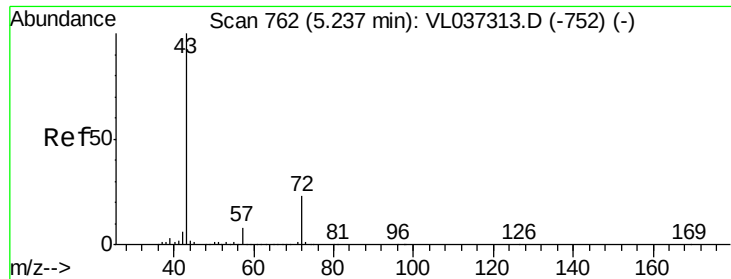
Delta R.T. -0.00 min

Lab File: VL037331.D

Acq: 5 Aug 2021 6:39

Tgt Ion:	114	Resp:	3506250
Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.1	27.1
88	17.4	13.8	20.8





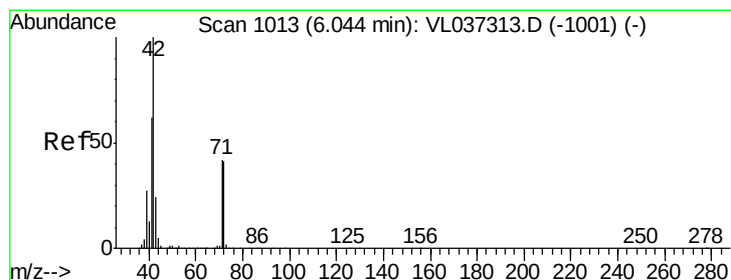
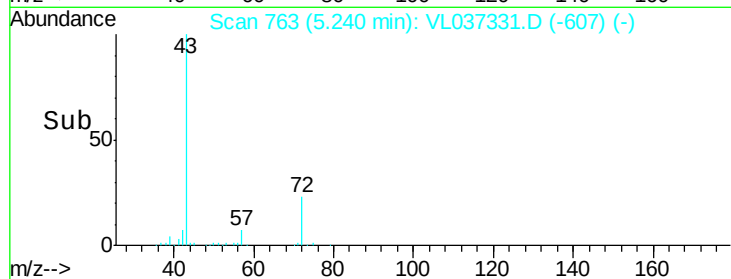
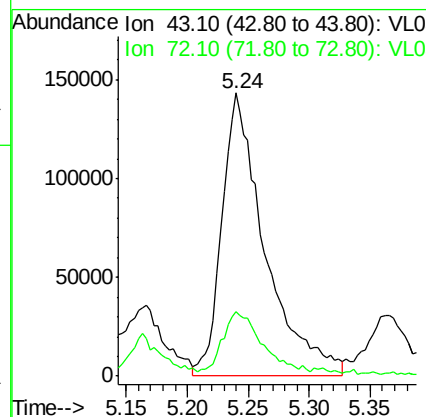
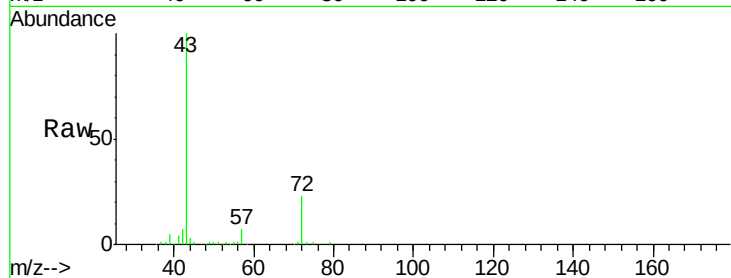
#34
2-Butanone
Concen: 2.907 ppbv m
RT: 5.24 min Scan# 763
Delta R.T. 0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Instrument :
MSVOA_L
ClientSampleId :
SVP-3DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	22.5	20.3	30.5

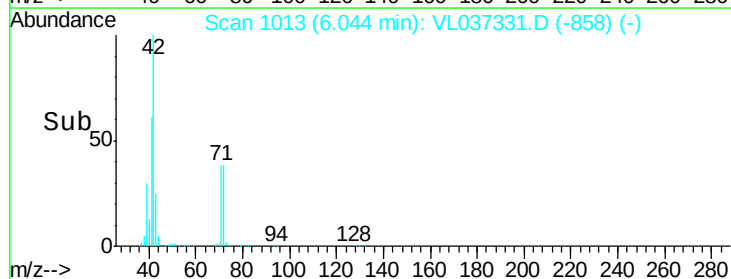
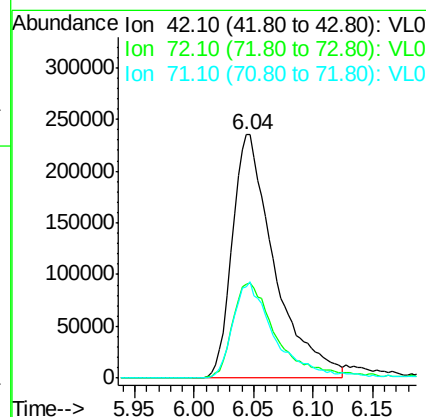
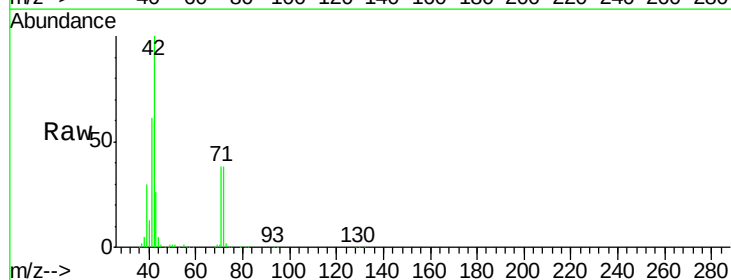
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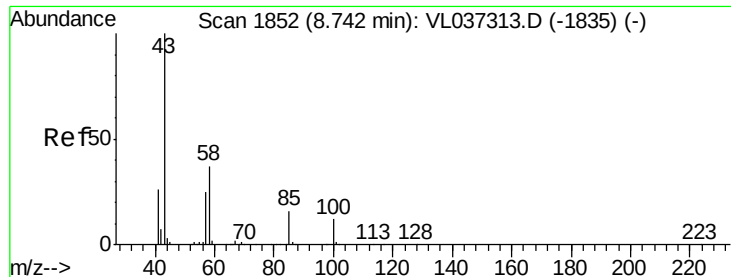
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#41
Tetrahydrofuran
Concen: 8.509 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.6	50.4
71	40.6	33.0	49.4





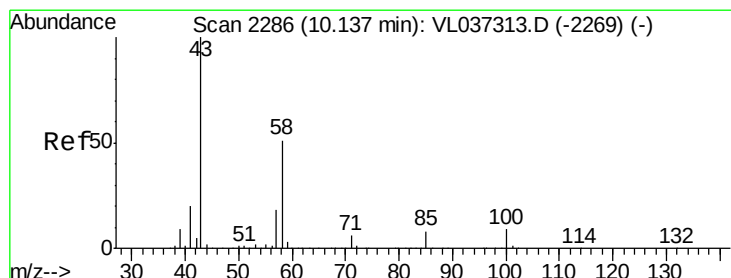
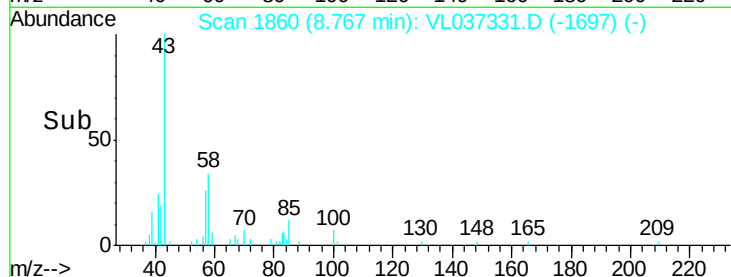
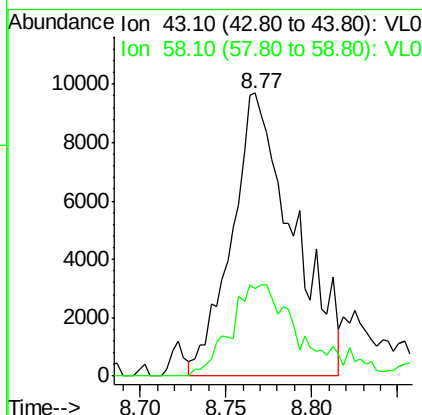
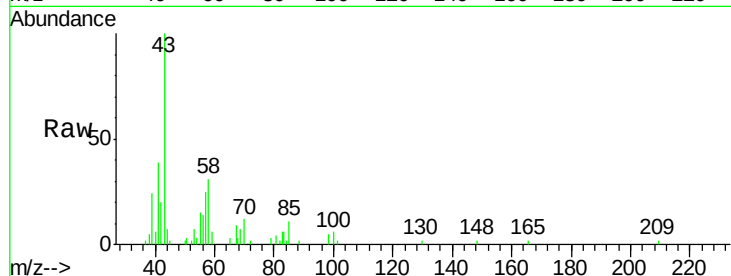
#50
 4-Methyl-2-Pentanone
 Concen: 0.129 ppbv m
 RT: 8.77 min Scan# 1860
 Delta R.T. 0.03 min
 Lab File: VL037331.D
 Acq: 5 Aug 2021 6:39

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-3DL

Tot Ion	43	Resp	24040
Ion Ratio	Lower	Upper	
43	100		
58	0.0	31.0	46.4#

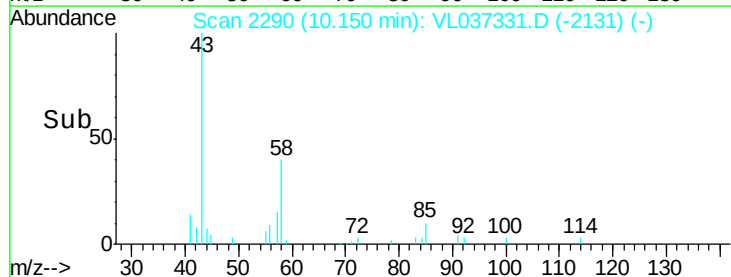
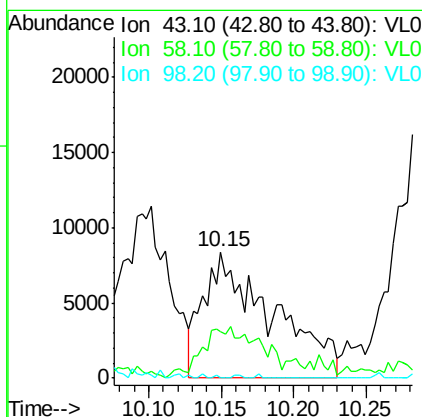
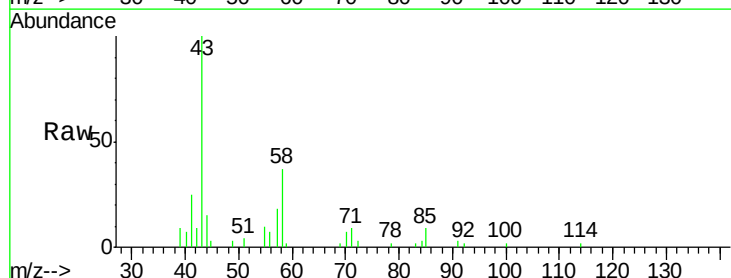
Manual Integrations
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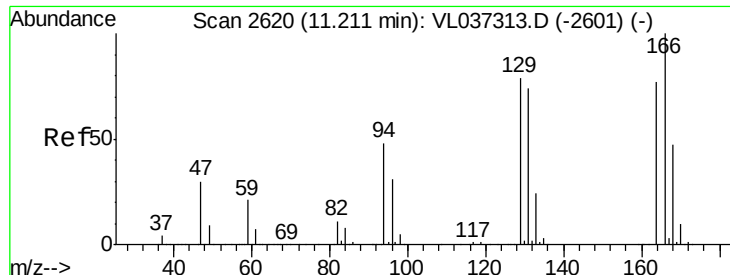
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 8/5/2021 1:41:15 PM



#51
 2-Hexanone
 Concen: 0.327 ppbv m
 RT: 10.15 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: VL037331.D
 Acq: 5 Aug 2021 6:39

Tgt Ion	43	Resp	27706
Ion Ratio	Lower	Upper	
43	100		
58	40.8	40.9	61.3#
98	0.0	0.1	0.1#





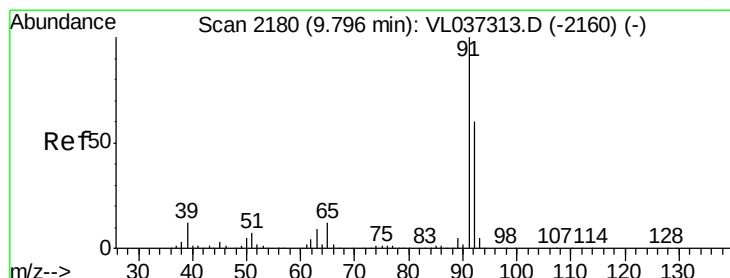
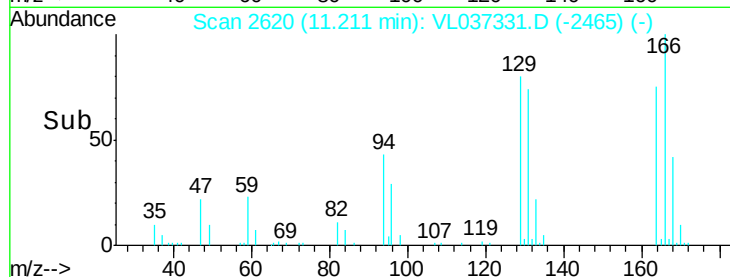
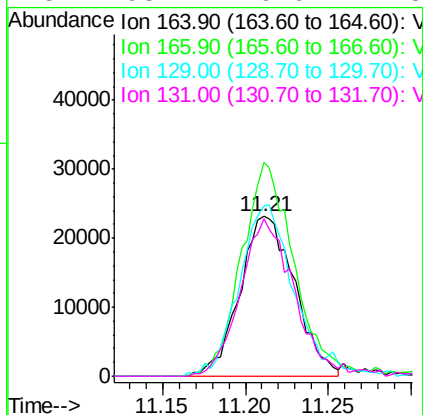
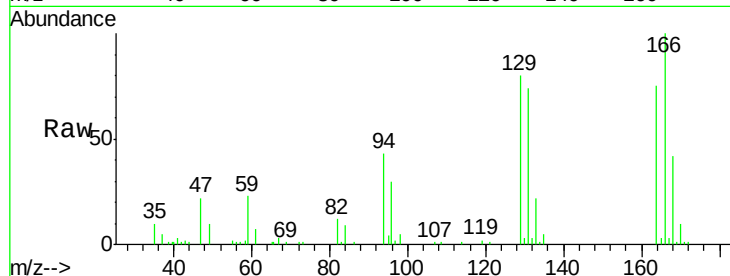
#52
Tetrachloroethene
Concen: 0.392 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Instrument :
MSVOA_L
ClientSampleId :
SVP-3DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.8	103.4	155.2
129	104.2	82.2	123.2
131	98.7	76.6	114.8

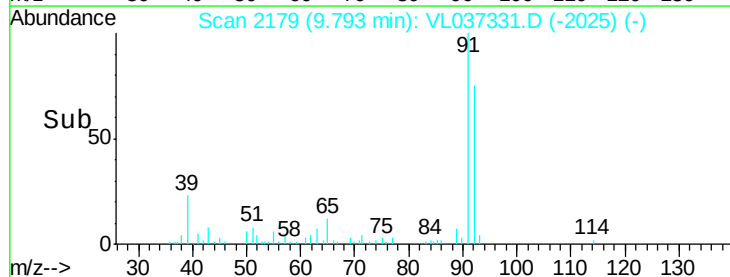
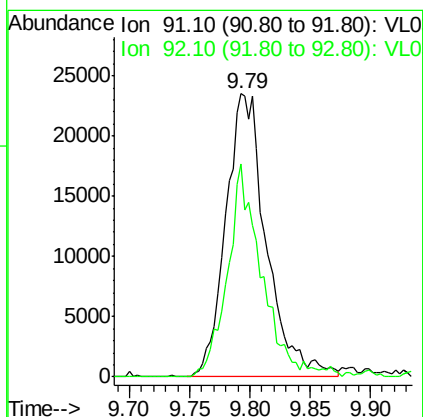
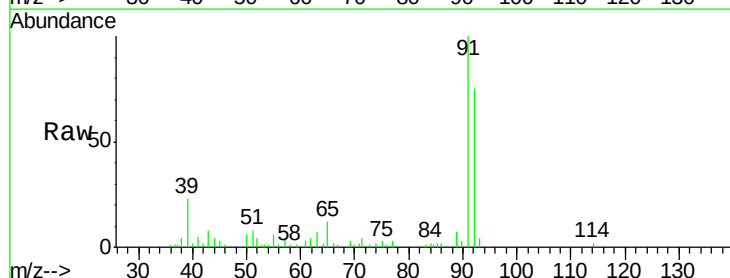
Manual Integrations
APPROVED

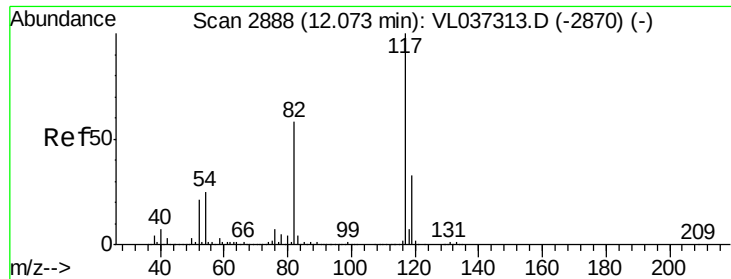
MMDadoda
8/5/2021 1:41:15 PM



#53
Toluene
Concen: 0.148 ppbv m
RT: 9.79 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.5	48.8	73.2





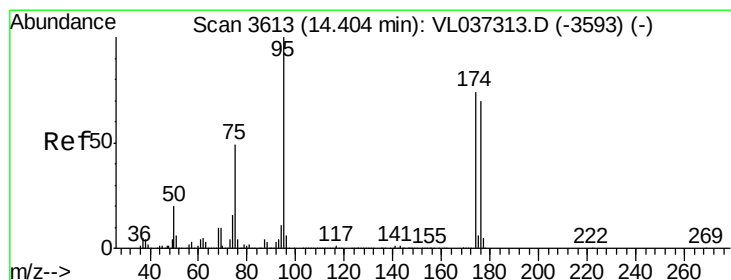
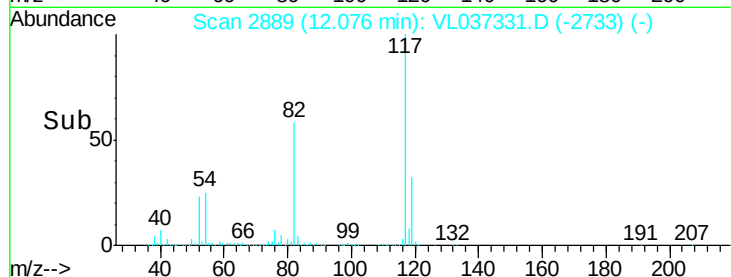
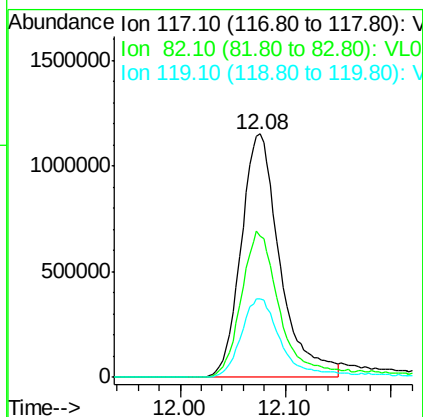
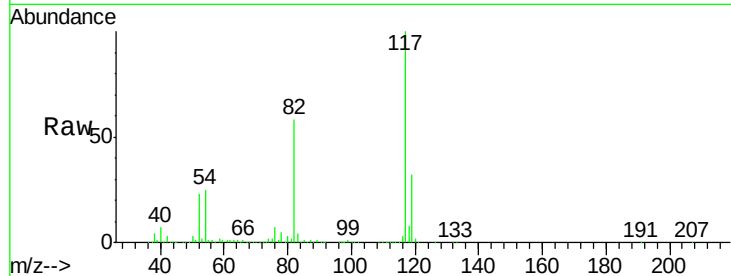
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Instrument :
MSVOA_L
ClientSampleId :
SVP-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	50.3	75.5
119	36.4	48.2	72.2#

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:15 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.759 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.00 min
Lab File: VL037331.D
Acq: 5 Aug 2021 6:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.0	66.9	100.3
175	6.2	5.1	7.7

