

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037574.D
 Acq On : 8 Sep 2021 16:20
 Operator : SY/AP
 Sample : M3662-0DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Quant Time: Sep 09 09:12:09 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 02:13:47 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	5.68	49	1614100	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4784961	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4231039	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3074421	10.23	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	48079	0.186	ppbv 93
3) Chlorodifluoromethane	2.99	51	144967	0.469	ppbv # 82
4) Chloromethane	3.14	50	56672	0.513	ppbv # 86
9) Propene	3.02	41	135242	1.223	ppbv # 81
10) Heptane	8.13	43	23405	0.092	ppbv # 70
11) Trichlorofluoromethane	3.96	101	47833	0.197	ppbv 93
13) Ethanol	3.61	45	1013578	94.188	ppbv 89
15) Acetone	3.85	43	2106477	12.823	ppbv 100
16) 1,3-Butadiene	3.31	39	45298	0.430	ppbv # 40
17) tert-Butyl alcohol	4.30	59	14466	0.096	ppbv # 72
19) Isopropyl Alcohol	3.97	45	501594	5.330	ppbv # 1
20) Methylene Chloride	4.35	84	124213	1.510	ppbv 91
23) Vinyl Acetate	5.09	43	14538	0.060	ppbv # 60
25) Ethyl Acetate	5.69	43	261109	0.626	ppbv # 92
26) Hexane	5.69	57	200111	0.981	ppbv # 67
27) Carbon Disulfide	4.56	76	27929	0.154	ppbv # 1
29) Chloroform	5.76	83	987486	3.417	ppbv 98
34) 2-Butanone	5.26	43	221286	1.133	ppbv 94
35) Carbon Tetrachloride	7.03	117	9540	0.034	ppbv # 74
36) Benzene	6.90	78	86052	0.214	ppbv # 92
39) 1,2-Dichloropropane	7.24	63	20686	0.134	ppbv # 25
41) Tetrahydrofuran	6.07	42	144787	1.538	ppbv 94
42) Bromodichloromethane	7.80	83	15600	0.054	ppbv 92
44) 2,2,4-Trimethylpentane	7.88	57	48242	0.071	ppbv # 25
50) 4-Methyl-2-Pentanone	8.77	43	10098	0.040	ppbv # 38
51) 2-Hexanone	10.16	43	22729	0.194	ppbv # 58
52) Tetrachloroethene	11.23	164	45390	0.275	ppbv 89
53) Toluene	9.82	91	360646	0.785	ppbv 95
58) Ethyl Benzene	12.72	91	2530127	4.309	ppbv 99
59) m/p-Xylene	12.98	91	14920006	29.311	ppbv 89
60) o-Xylene	13.71	91	6907929	14.540	ppbv 98
62) Isopropylbenzene	14.69	105	29743	0.044	ppbv # 29
65) tert-Butylbenzene	16.77	119	35422	0.058	ppbv # 22
69) p-Isopropyltoluene	17.67	119	35588	0.051	ppbv # 76
70) n-Butylbenzene	18.57	91	43039	0.065	ppbv # 1
72) 4-Ethyltoluene	15.85	105	33560	0.059	ppbv # 1
73) 1,3,5-Trimethylbenzene	16.01	105	111223	0.211	ppbv 90
74) 1,2,4-Trimethylbenzene	16.77	105	372878	0.667	ppbv # 69
80) Naphthalene,2-methyl-	24.98	142	60980	0.585	ppbv # 65

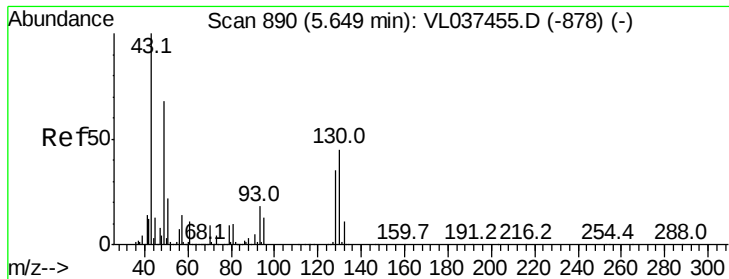
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

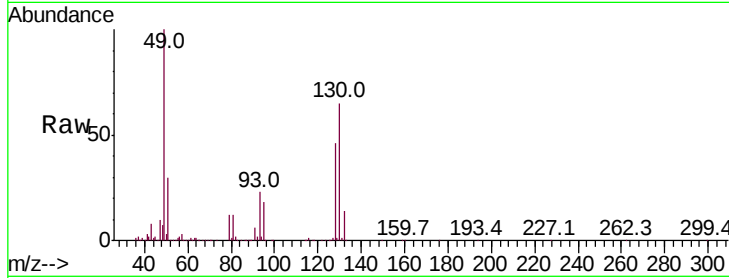
Tot Ion: 49 Resp: 1614100

Ion Ratio Lower Upper

49 100

128 54.3 27.5 82.4

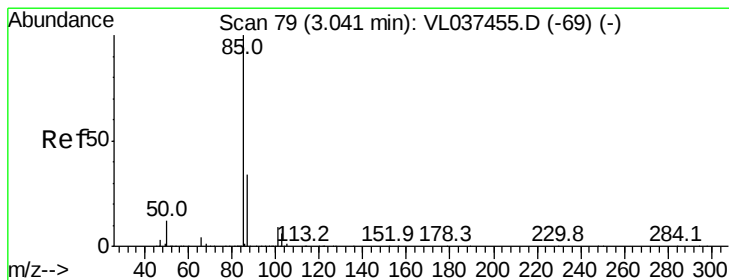
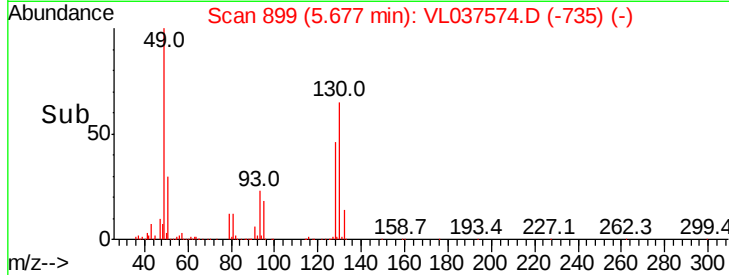
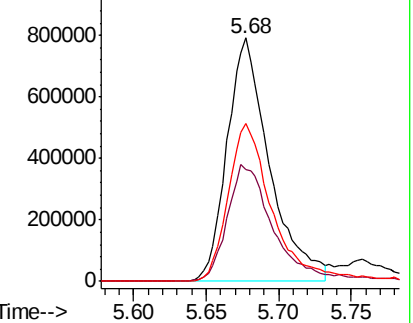
130 69.4 34.0 101.8



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



#2

Dichlorodifluoromethane

Concen: 0.186 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Tgt Ion: 85 Resp: 48079

Ion Ratio Lower Upper

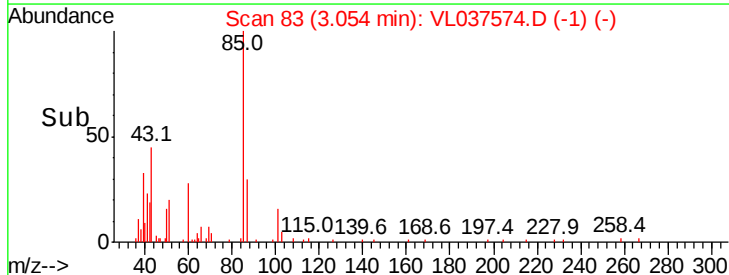
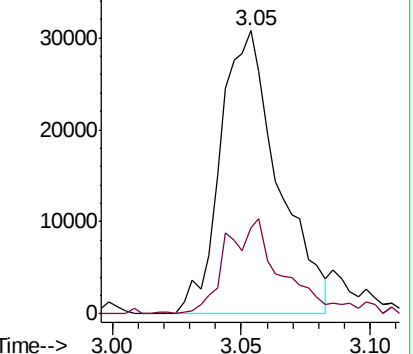
85 100

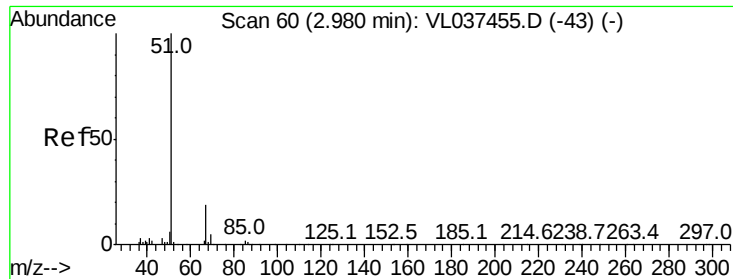
87 30.3 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

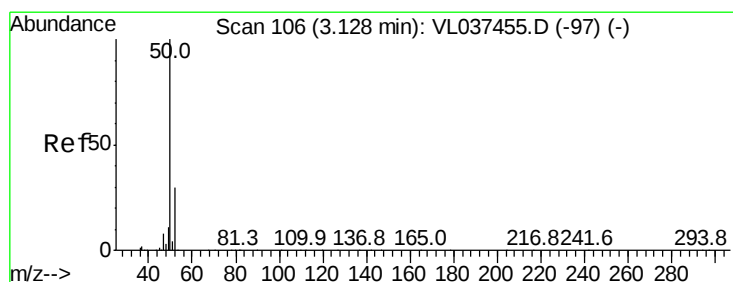
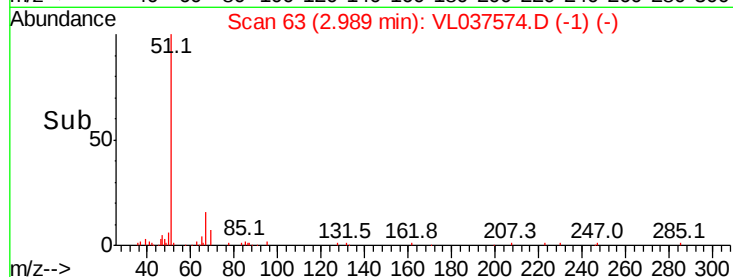
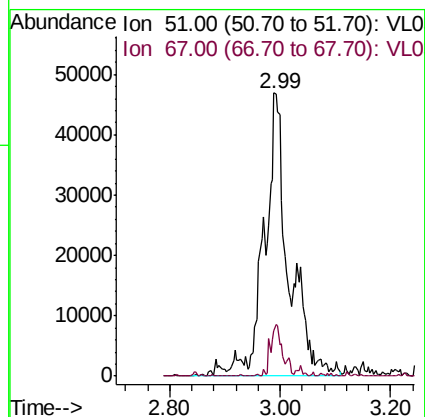
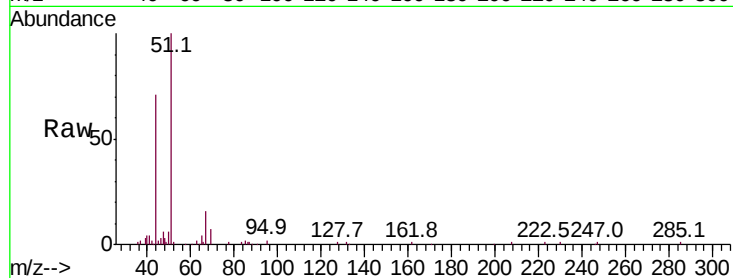




#3
 Chlorodifluoromethane
 Concen: 0.469 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL037574.D
 Acq: 8 Sep 2021 16:20

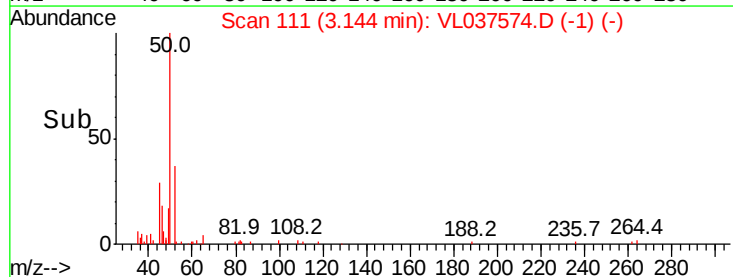
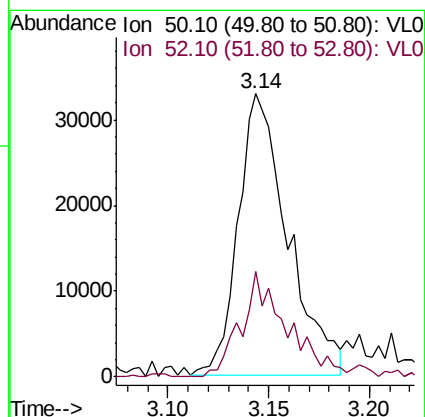
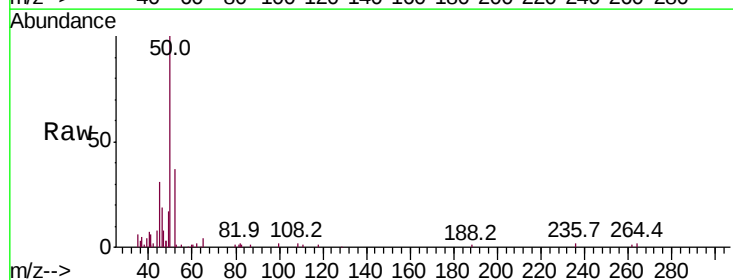
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

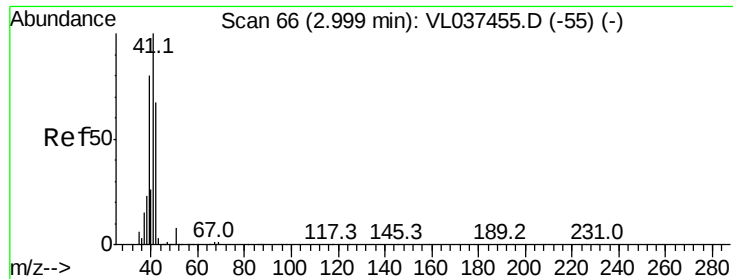
Tot Ion: 51 Resp: 144967
 Ion Ratio Lower Upper
 51 100
 67 9.8 14.2 21.2#



#4
 Chloromethane
 Concen: 0.513 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.02 min
 Lab File: VL037574.D
 Acq: 8 Sep 2021 16:20

Tgt Ion: 50 Resp: 56672
 Ion Ratio Lower Upper
 50 100
 52 37.7 24.0 36.0#





#9

Propene

Concen: 1.223 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

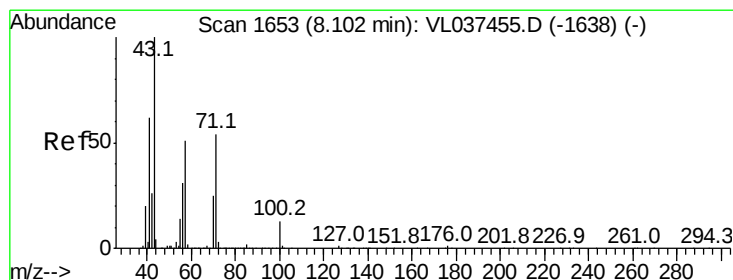
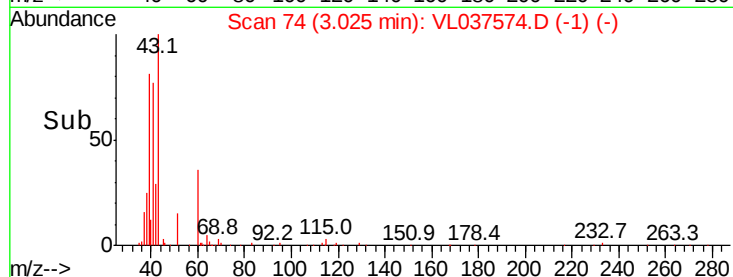
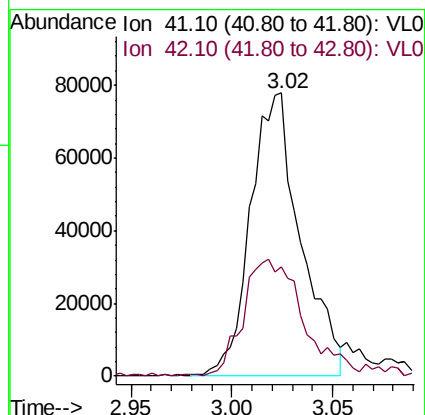
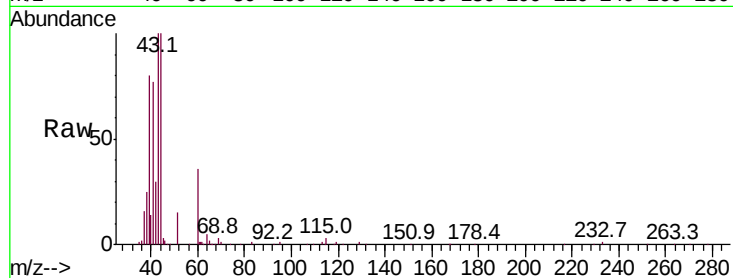
IA-1DUP

Tot Ion: 41 Resp: 135242

Ion Ratio Lower Upper

41 100

42 52.0 53.7 80.5#



#10

Heptane

Concen: 0.092 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL037574.D

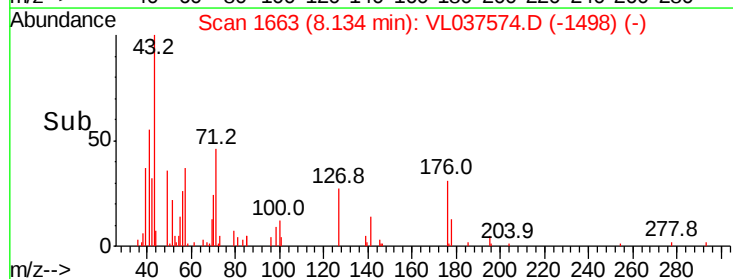
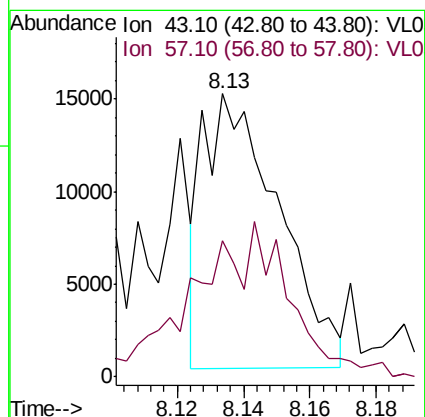
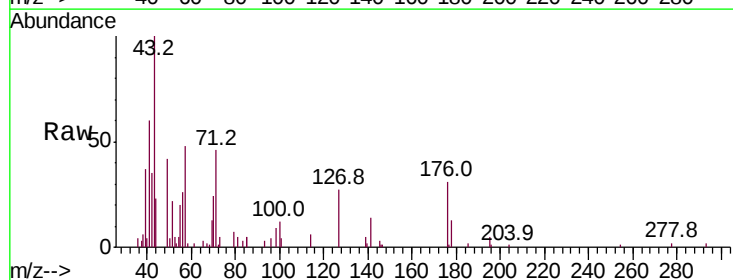
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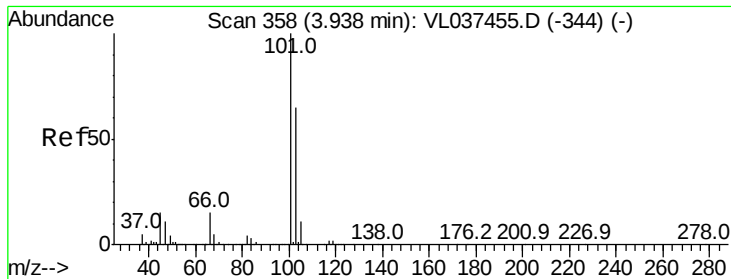
Tgt Ion: 43 Resp: 23405

Ion Ratio Lower Upper

43 100

57 72.0 41.0 61.6#

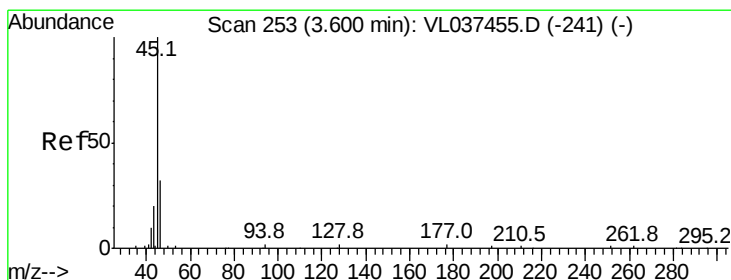
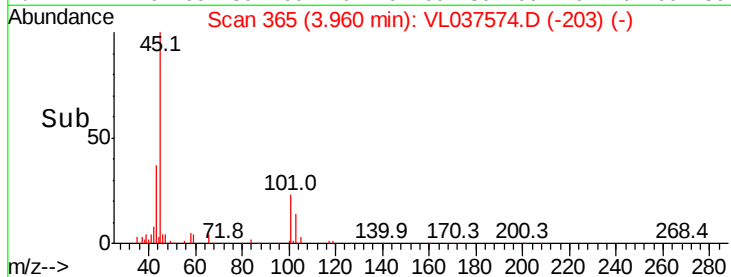
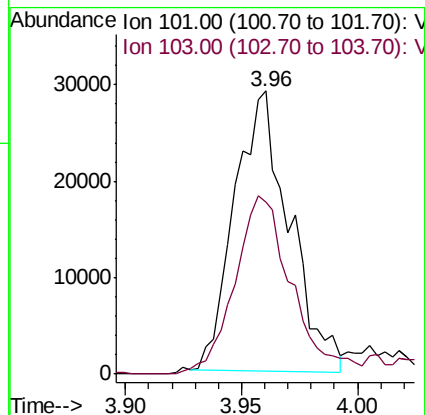
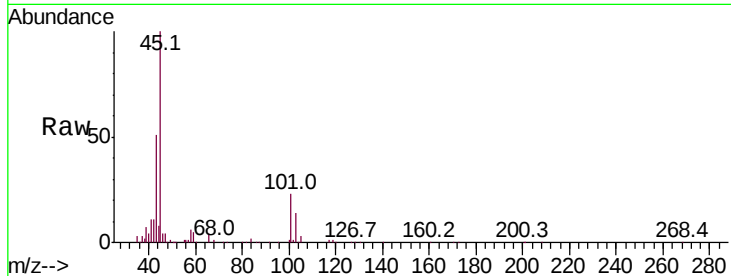




#11
 Trichlorofluoromethane
 Concen: 0.197 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037574.D
 Acq: 8 Sep 2021 16:20

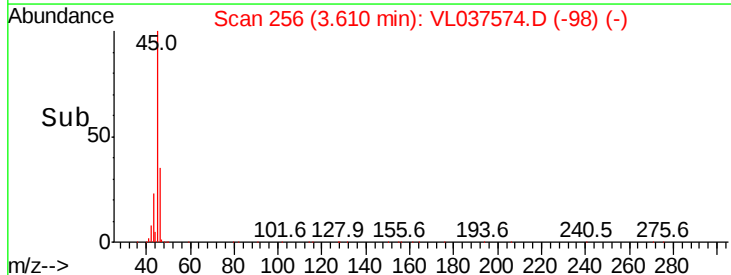
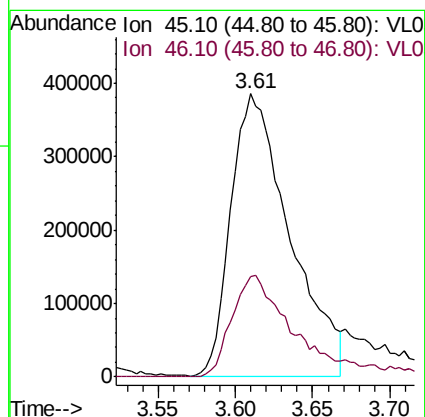
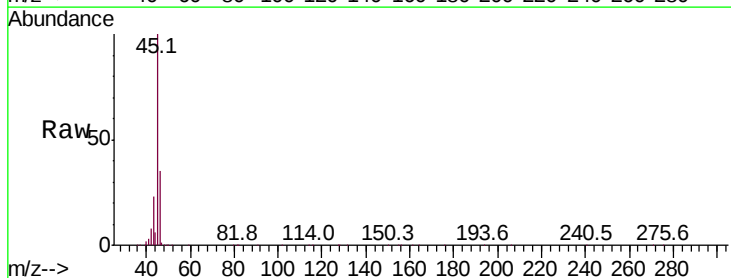
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

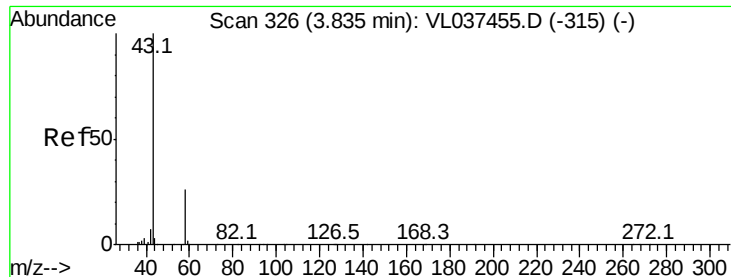
Tot Ion:101 Resp: 47833
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.8 77.6



#13
 Ethanol
 Concen: 94.188 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL037574.D
 Acq: 8 Sep 2021 16:20

Tgt Ion: 45 Resp: 1013578
 Ion Ratio Lower Upper
 45 100
 46 41.6 14.1 56.5

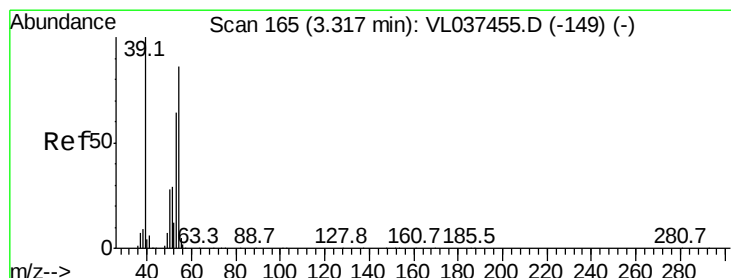
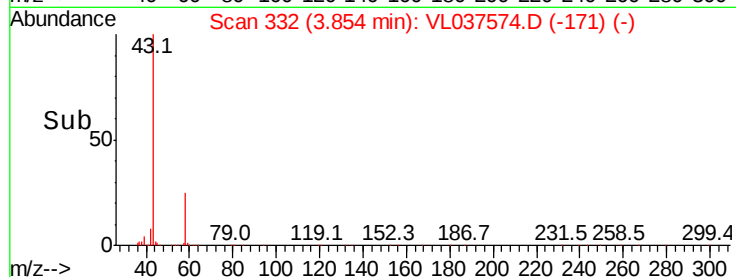
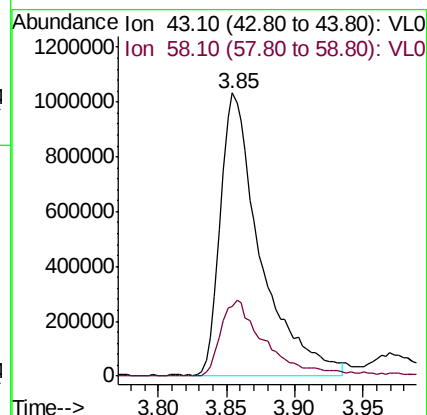
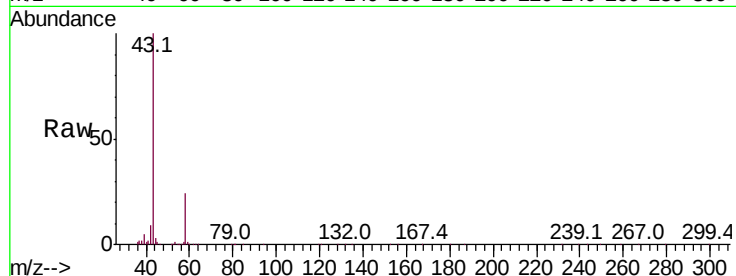




#15
Acetone
Concen: 12.823 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

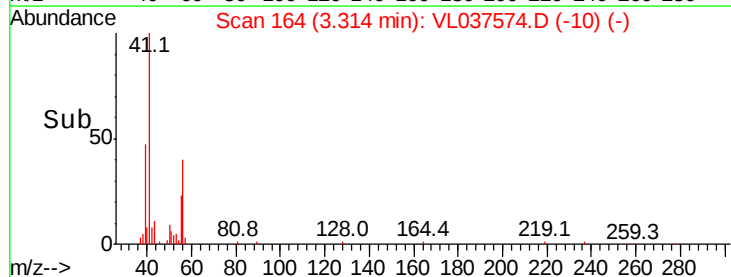
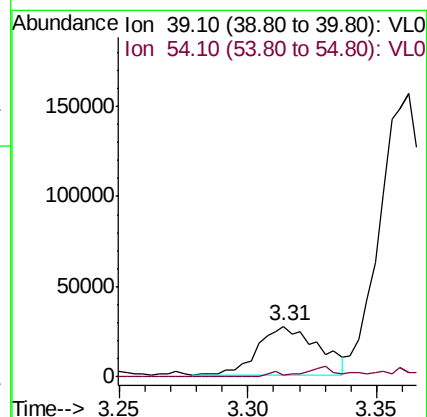
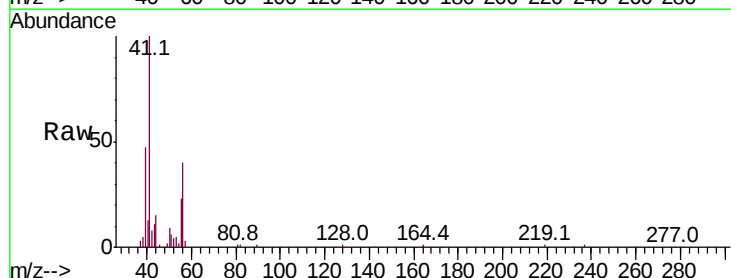
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

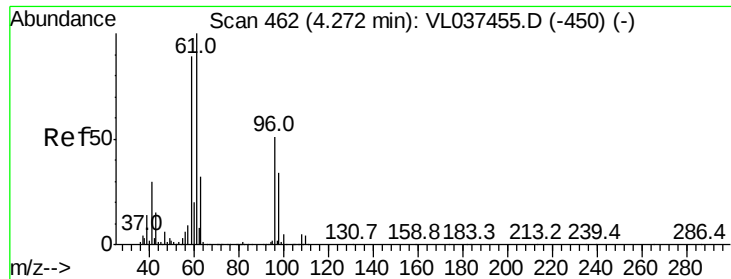
Tot Ion: 43 Resp: 2106477
Ion Ratio Lower Upper
43 100
58 31.2 24.8 37.2



#16
1,3-Butadiene
Concen: 0.430 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

Tgt Ion: 39 Resp: 45298
Ion Ratio Lower Upper
39 100
54 26.6 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 0.096 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.03 min

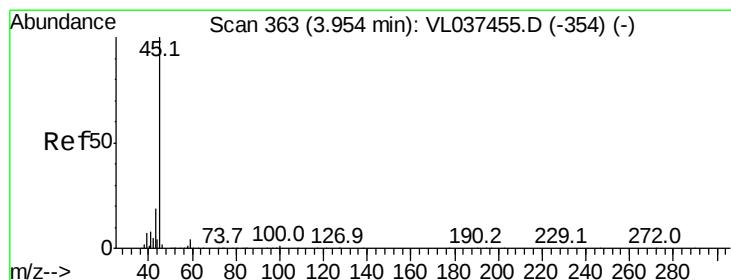
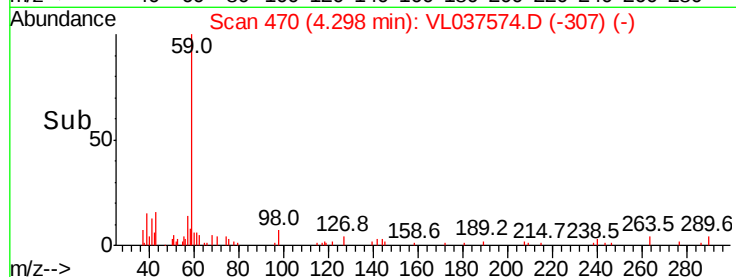
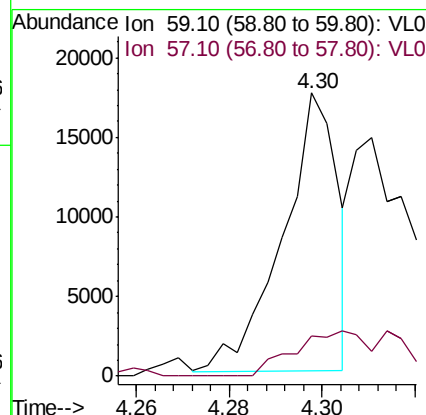
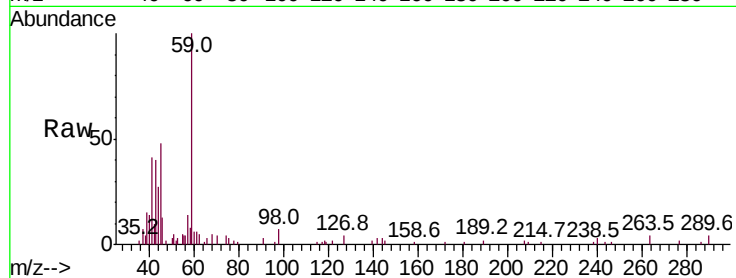
Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tot Ion: 59 Resp: 14466

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



#19

Isopropyl Alcohol

Concen: 5.330 ppbv

RT: 3.97 min Scan# 369

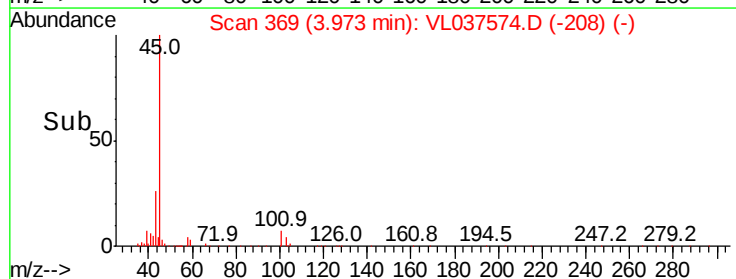
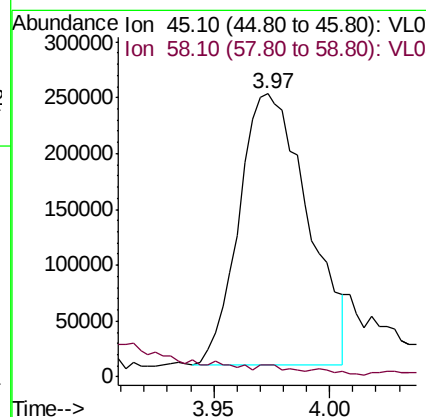
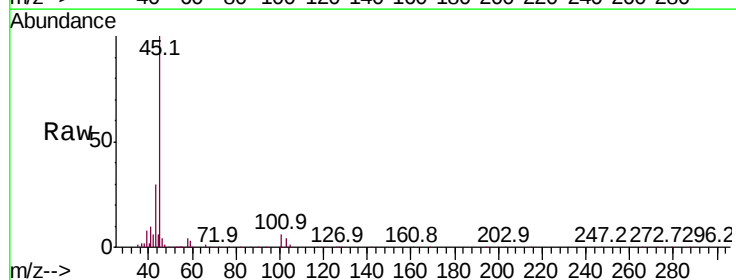
Delta R.T. 0.02 min

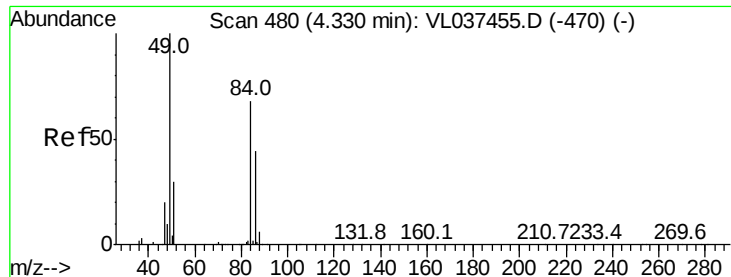
Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Tgt Ion: 45 Resp: 501594

Ion	Ratio	Lower	Upper
45	100		
58	134.2	1.4	2.2#

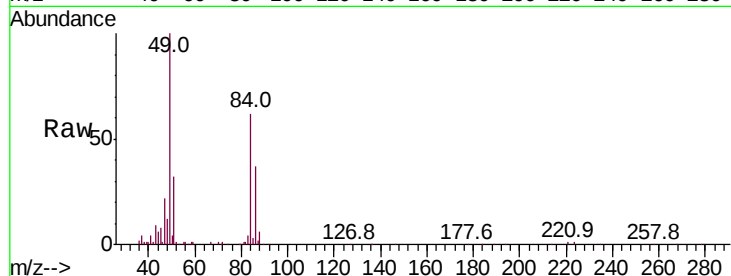




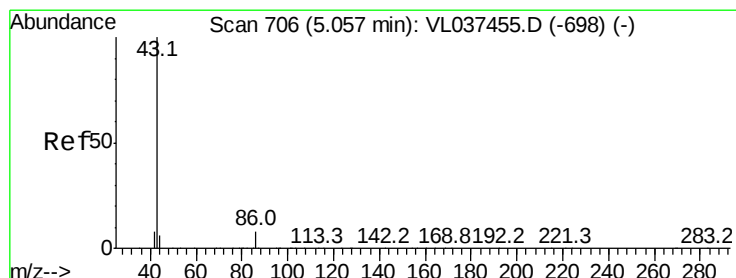
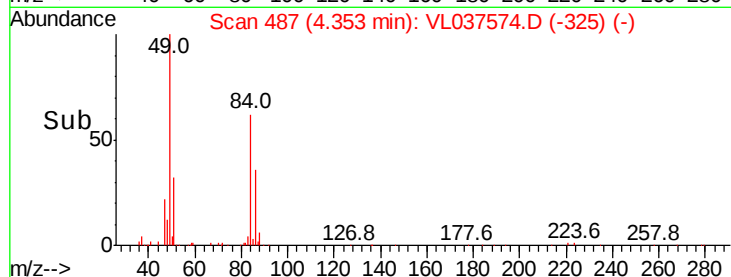
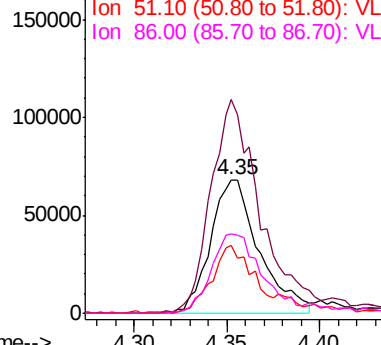
#20
Methylene Chloride
Concen: 1.510 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tot Ion: 84 Resp: 124213
Ion Ratio Lower Upper
84 100
49 160.0 118.2 177.2
51 49.9 36.6 55.0
86 59.1 51.8 77.6

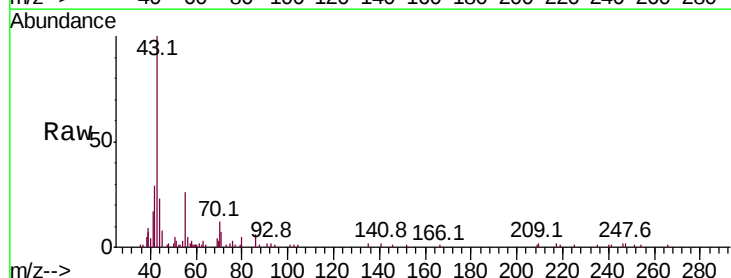


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

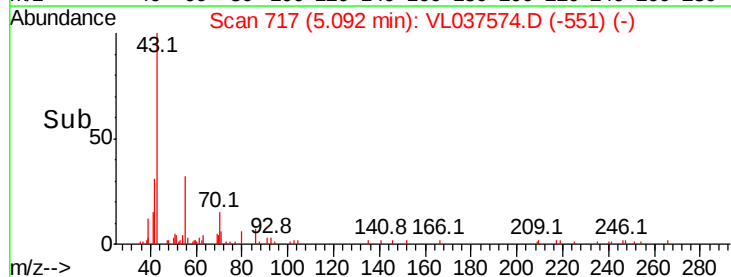
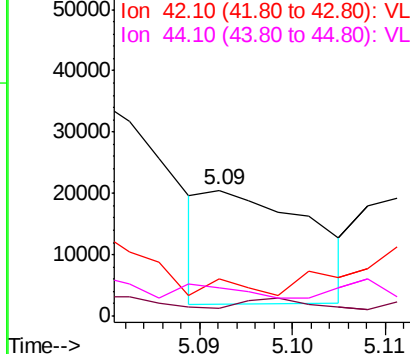


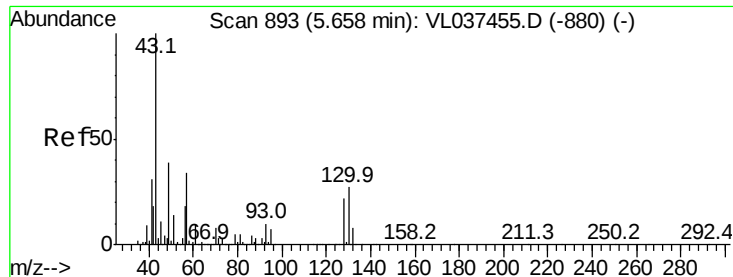
#23
Vinyl Acetate
Concen: 0.060 ppbv
RT: 5.09 min Scan# 717
Delta R.T. 0.04 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

Tgt Ion: 43 Resp: 14538
Ion Ratio Lower Upper
43 100
86 0.0 5.7 8.5#
42 34.3 7.4 11.2#
44 0.5 4.3 6.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0

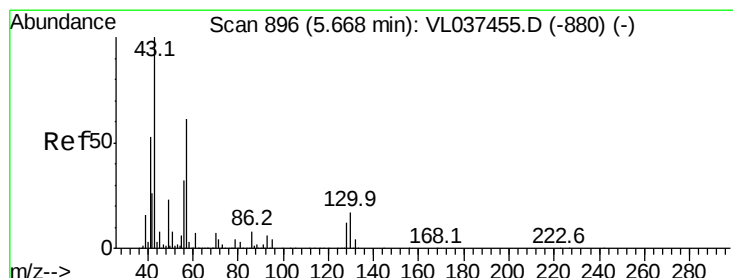
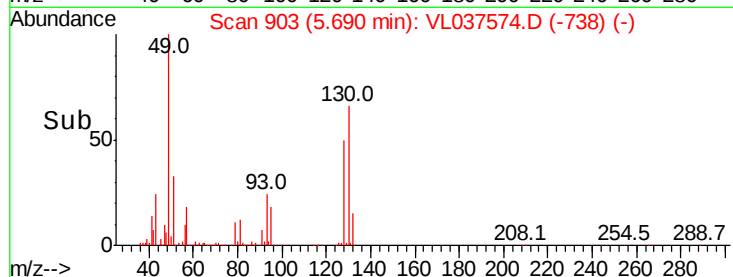
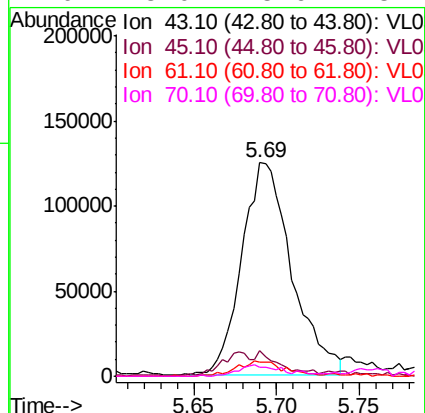
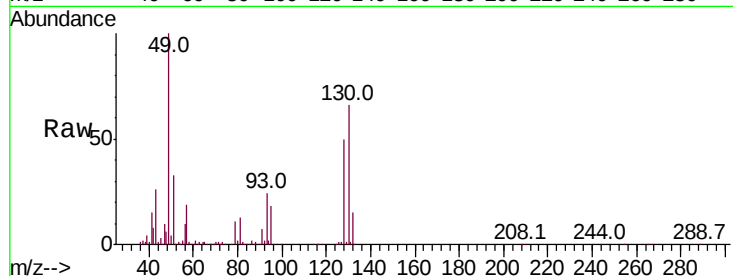




#25
Ethyl Acetate
Concen: 0.626 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

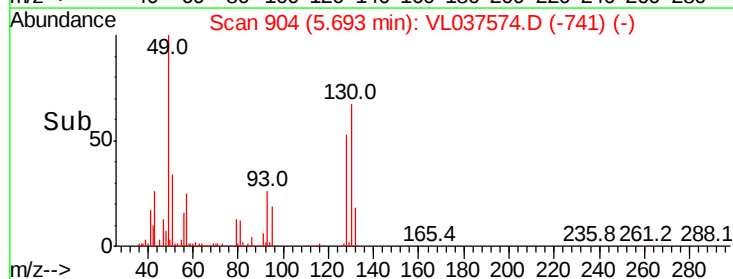
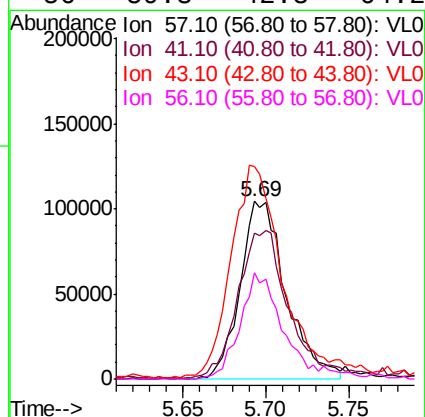
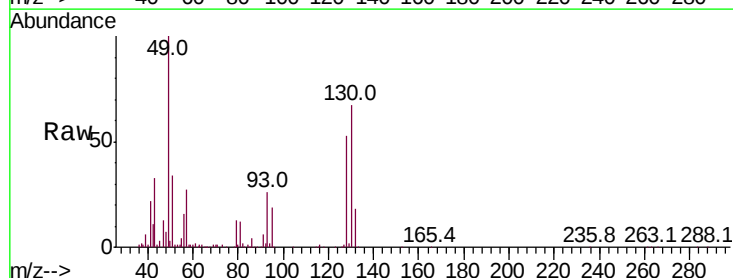
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

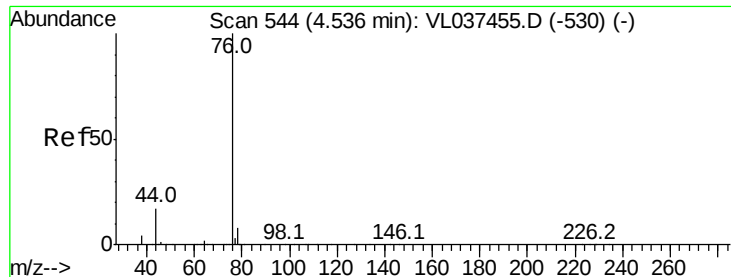
Tot Ion:	43	Resp:	261109
Ion	Ratio	Lower	Upper
43	100		
45	14.5	8.0	12.0#
61	7.7	8.0	12.0#
70	5.0	5.6	8.4#



#26
Hexane
Concen: 0.981 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

Tgt Ion:	57	Resp:	200111
Ion	Ratio	Lower	Upper
57	100		
41	95.2	72.3	108.5
43	135.7	172.3	258.5#
56	59.3	42.8	64.2





#27

Carbon Disulfide

Concen: 0.154 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

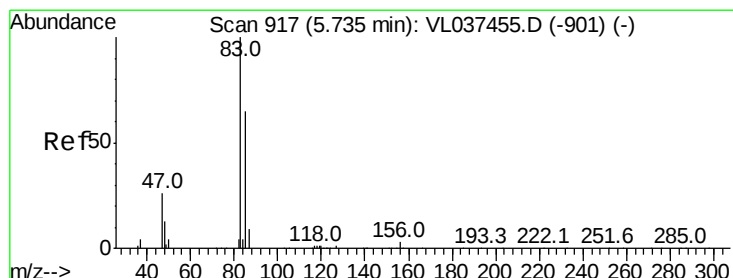
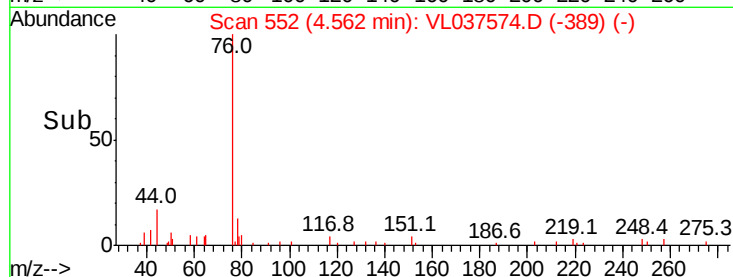
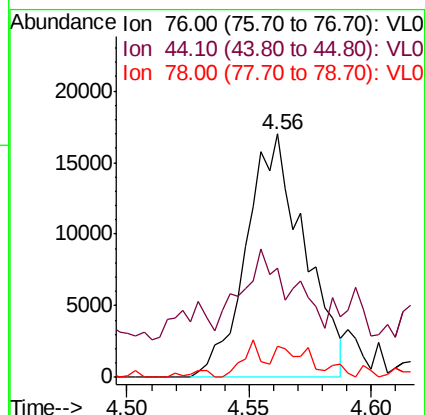
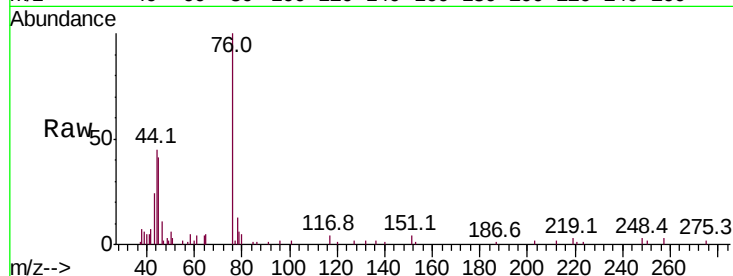
Tot Ion: 76 Resp: 27929

Ion Ratio Lower Upper

76 100

44 93.5 13.9 20.9#

78 16.7 7.9 11.9#



#29

Chloroform

Concen: 3.417 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.03 min

Lab File: VL037574.D

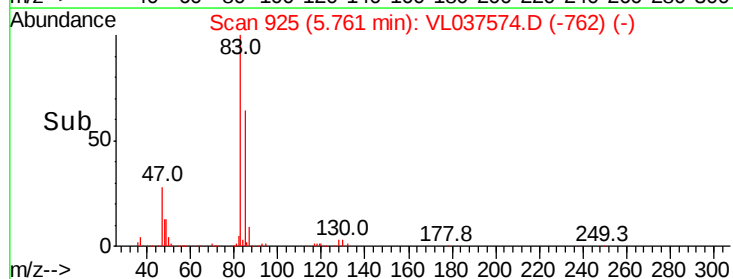
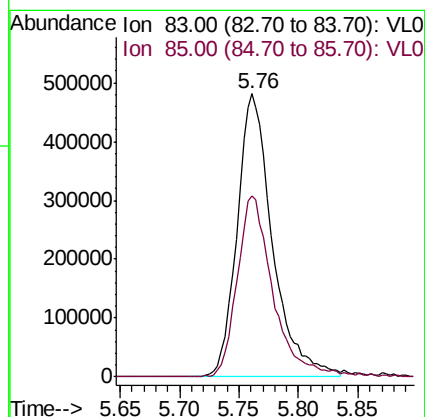
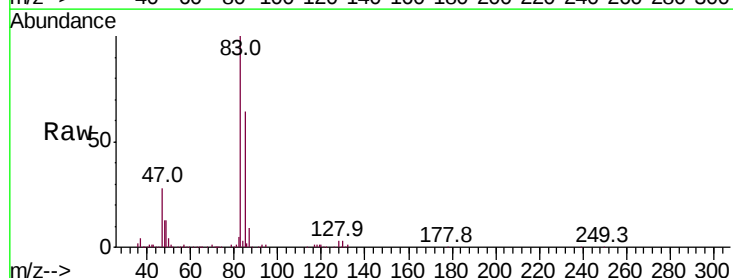
Acq: 8 Sep 2021 16:20

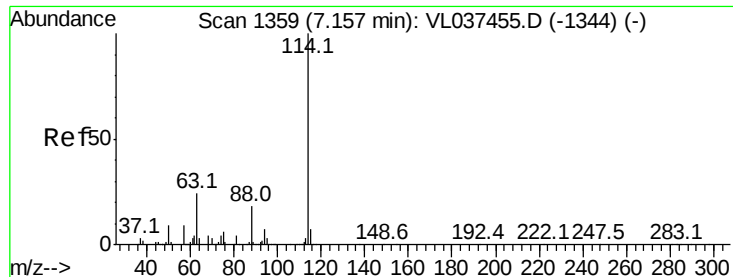
Tgt Ion: 83 Resp: 987486

Ion Ratio Lower Upper

83 100

85 63.7 52.3 78.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.03 min

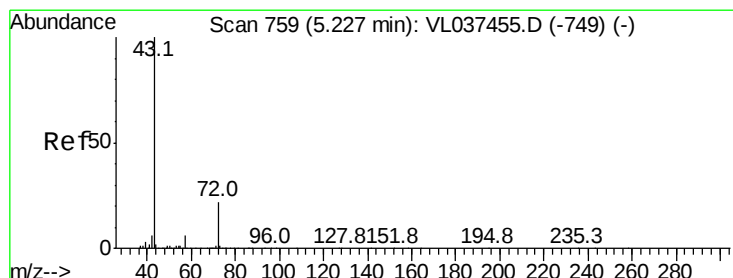
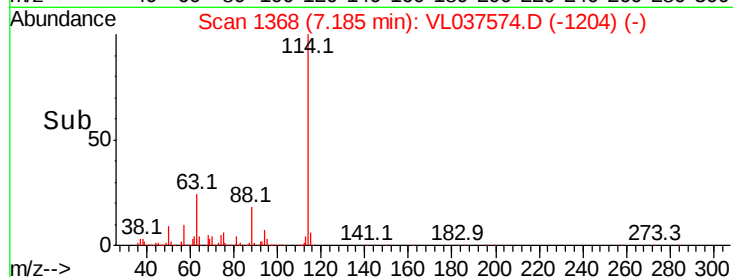
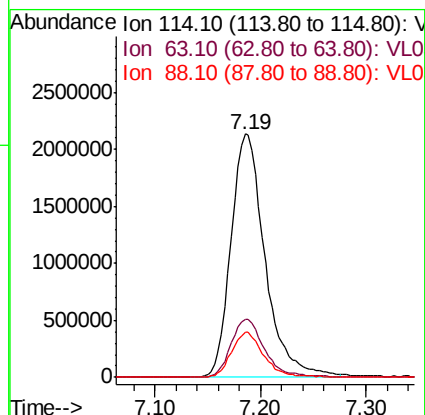
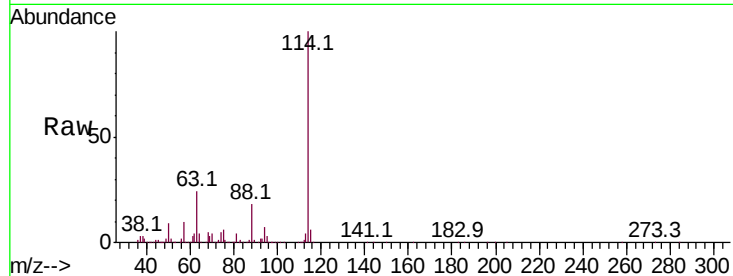
Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tot Ion:114 Resp: 4784961

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.3	28.9
88	17.9	14.2	21.4



#34

2-Butanone

Concen: 1.133 ppbv

RT: 5.26 min Scan# 768

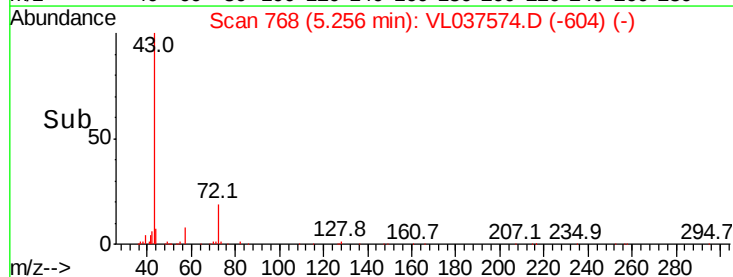
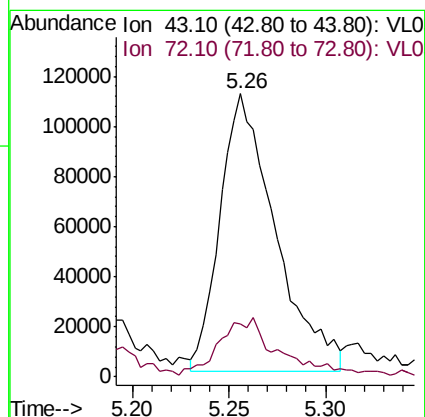
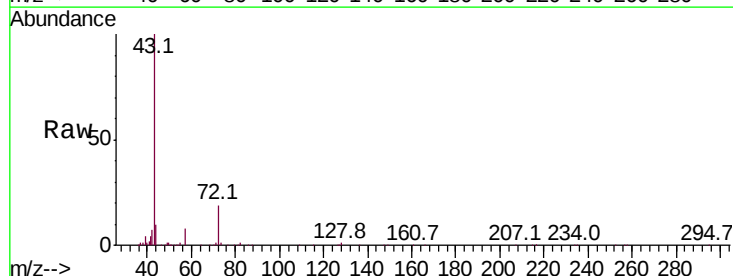
Delta R.T. 0.03 min

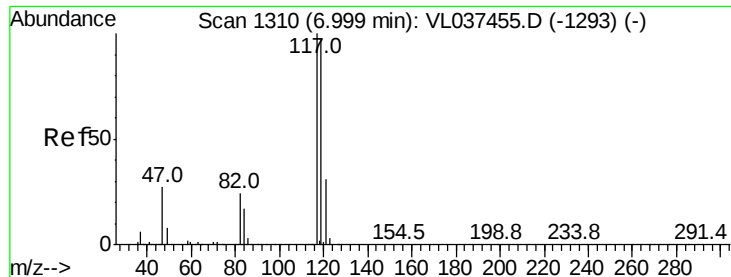
Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Tgt Ion: 43 Resp: 221286

Ion	Ratio	Lower	Upper
43	100		
72	24.7	17.4	26.0





#35

Carbon Tetrachloride

Concen: 0.034 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.04 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

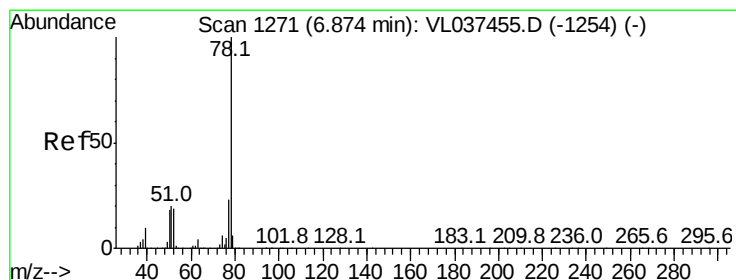
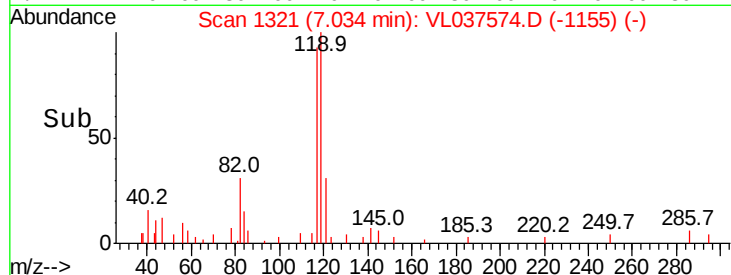
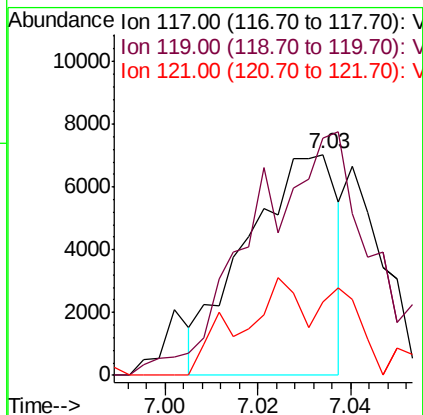
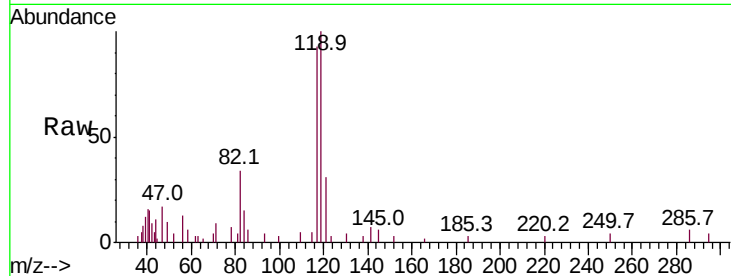
Tot Ion:117 Resp: 9540

Ion Ratio Lower Upper

117 100

119 123.8 77.3 115.9#

121 42.5 25.2 37.8#



#36

Benzene

Concen: 0.214 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

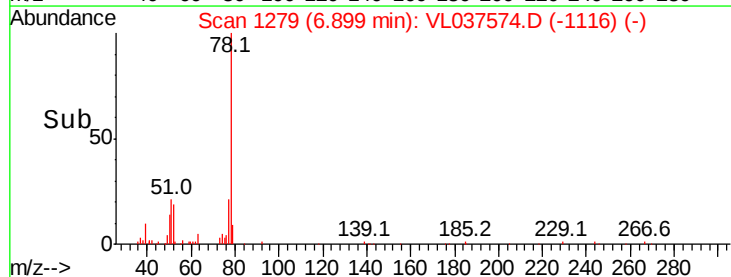
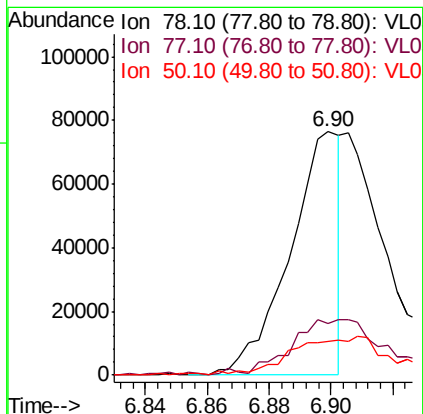
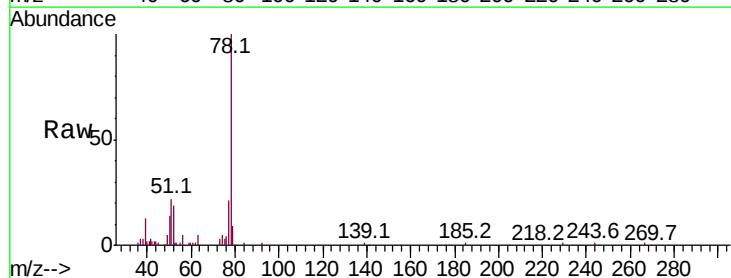
Tgt Ion: 78 Resp: 86052

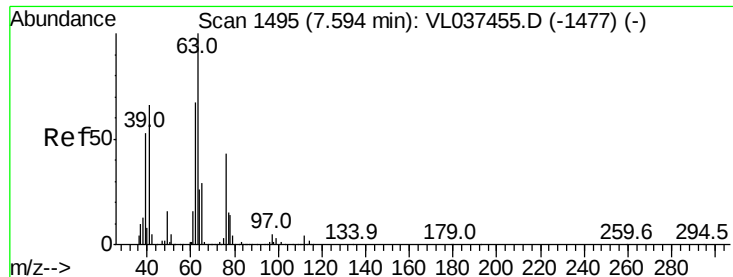
Ion Ratio Lower Upper

78 100

77 20.0 18.2 27.4

50 13.5 14.6 21.8#





#39

1,2-Dichloropropane

Concen: 0.134 ppbv

RT: 7.24 min Scan# 1385

Delta R.T. -0.35 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

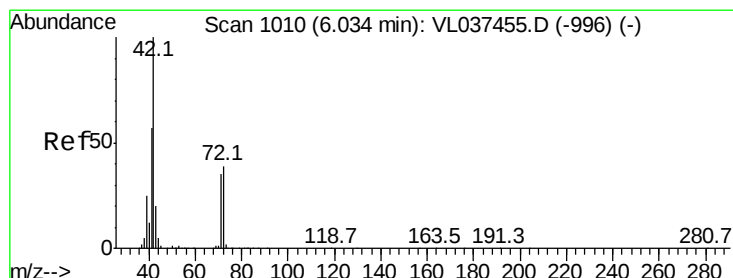
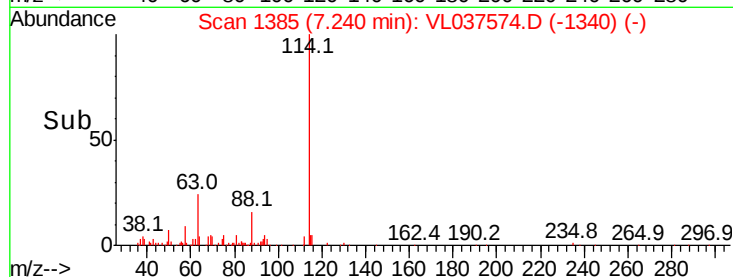
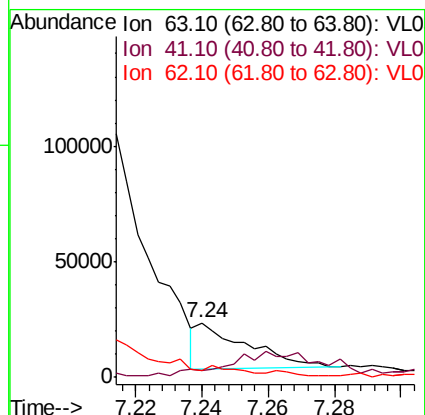
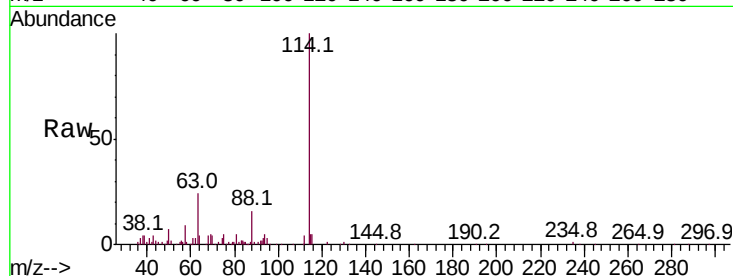
Tot Ion: 63 Resp: 20686

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

62 13.6 53.6 80.4#



#41

Tetrahydrofuran

Concen: 1.538 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

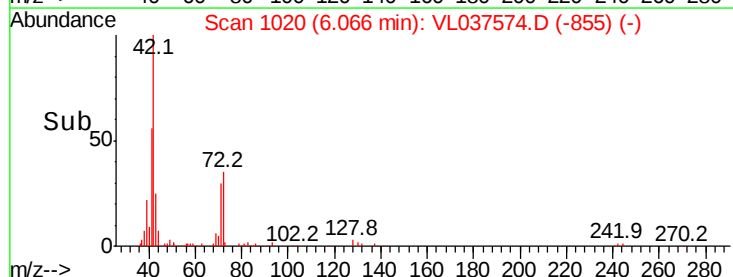
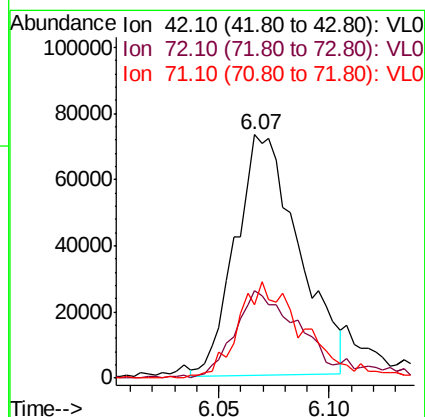
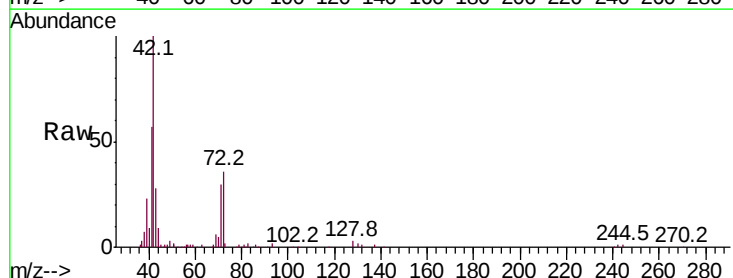
Tgt Ion: 42 Resp: 144787

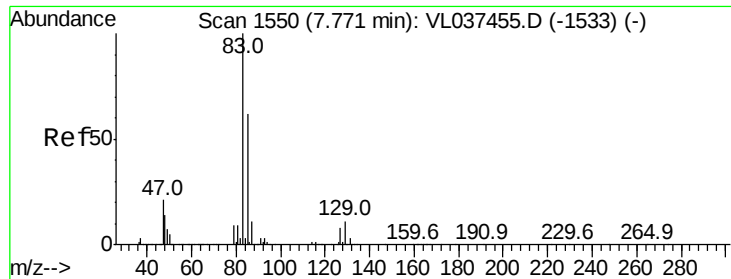
Ion Ratio Lower Upper

42 100

72 42.4 32.2 48.4

71 43.0 30.5 45.7





#42

Bromodichloromethane

Concen: 0.054 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

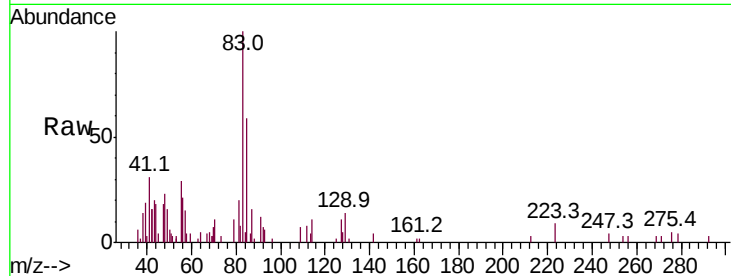
Tot Ion: 83 Resp: 15600

Ion Ratio Lower Upper

83 100

85 55.6 49.5 74.3

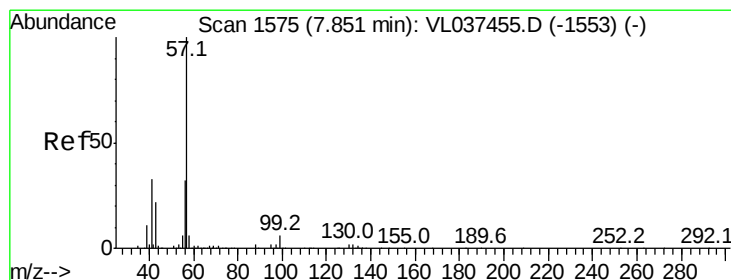
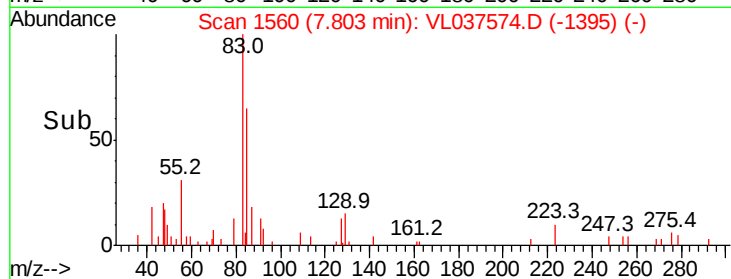
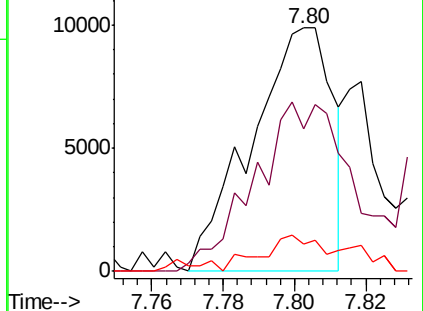
127 9.0 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.071 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

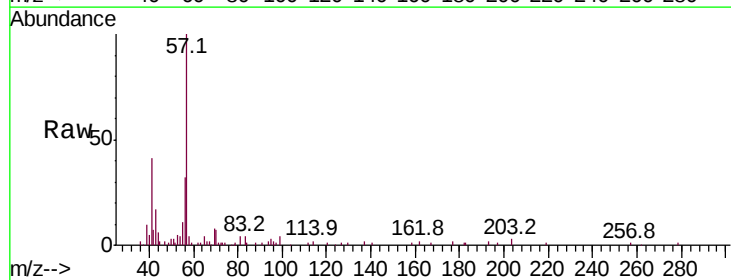
Tgt Ion: 57 Resp: 48242

Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.4#

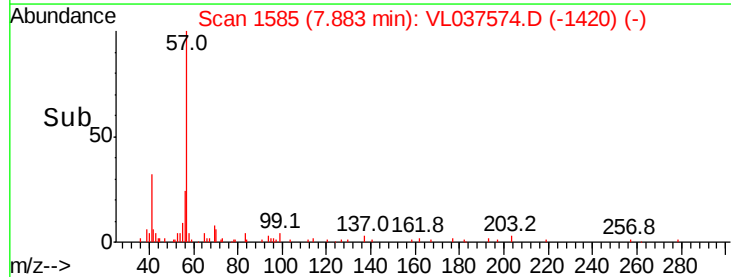
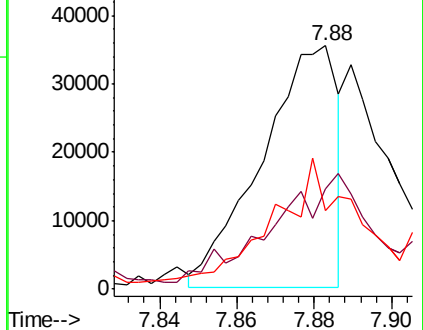
56 83.7 25.4 38.2#

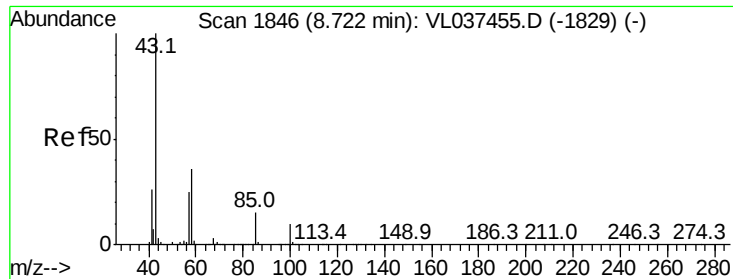


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

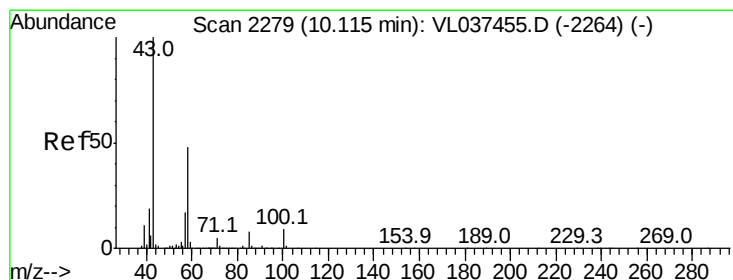
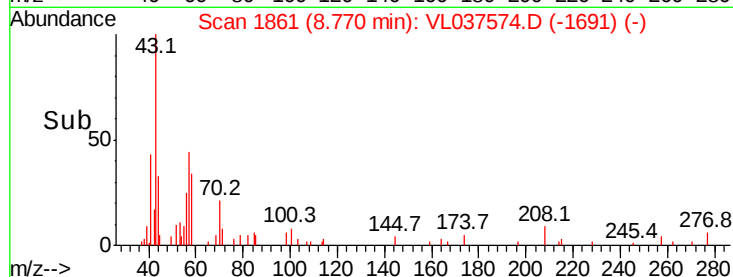
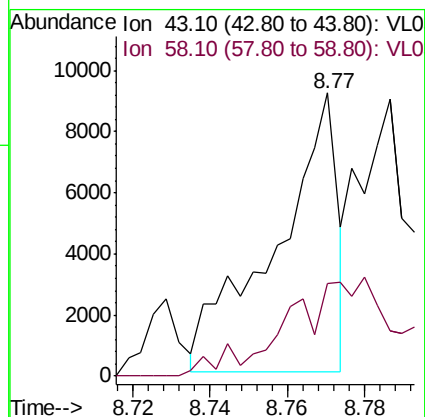
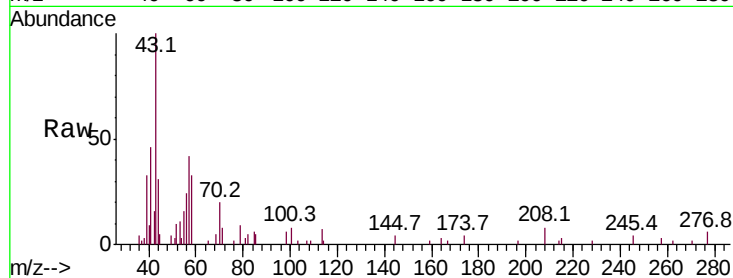




#50
4-Methyl-2-Pentanone
Concen: 0.040 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.05 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

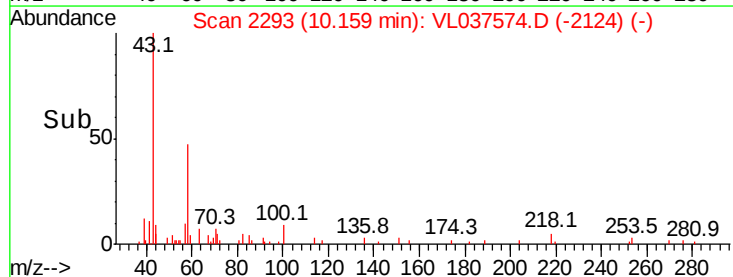
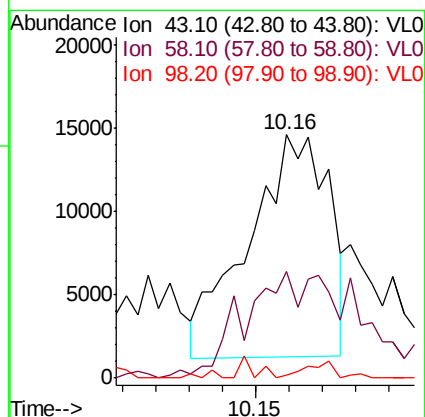
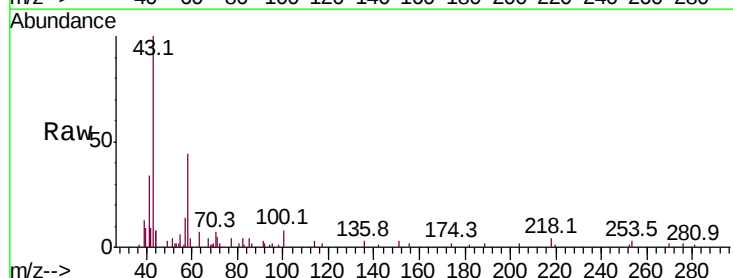
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

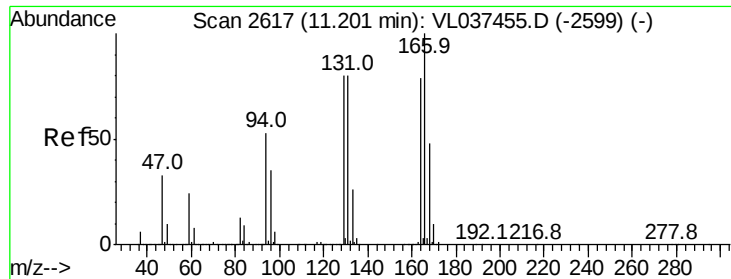
Tot Ion: 43 Resp: 10098
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#



#51
2-Hexanone
Concen: 0.194 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.04 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

Tgt Ion: 43 Resp: 22729
Ion Ratio Lower Upper
43 100
58 81.1 41.0 61.6#
98 5.3 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.275 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tot Ion:164 Resp: 45390

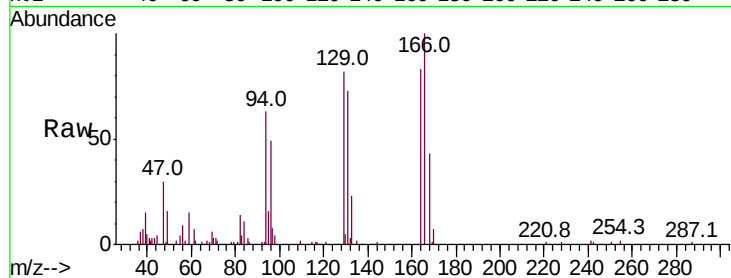
Ion Ratio Lower Upper

164 100

166 115.4 100.7 151.1

129 92.0 80.9 121.3

131 84.0 80.2 120.4

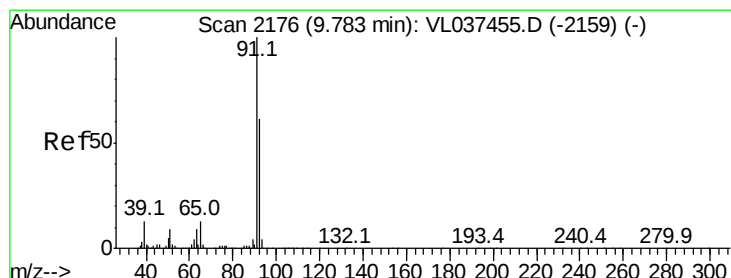
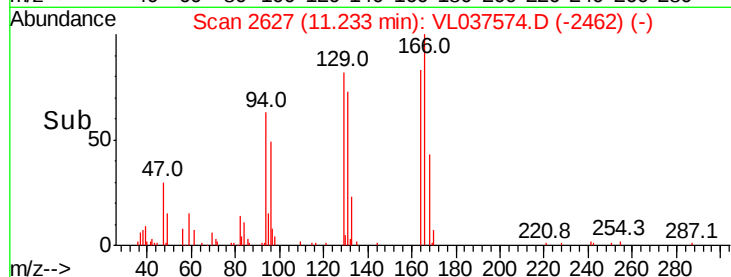
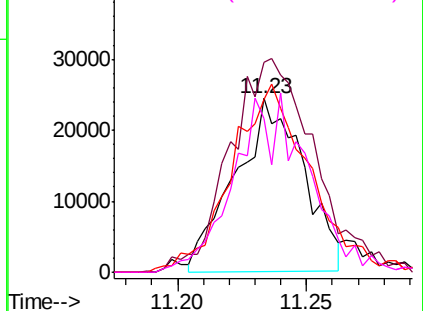


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.785 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL037574.D

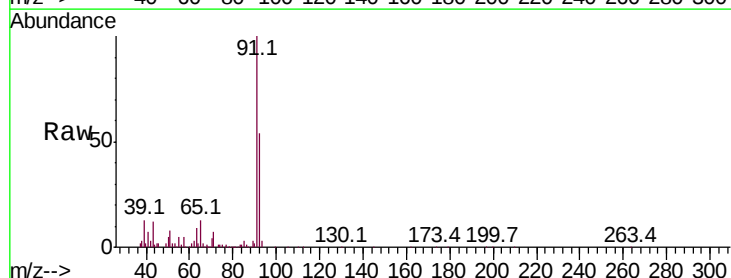
Acq: 8 Sep 2021 16:20

Tgt Ion: 91 Resp: 360646

Ion Ratio Lower Upper

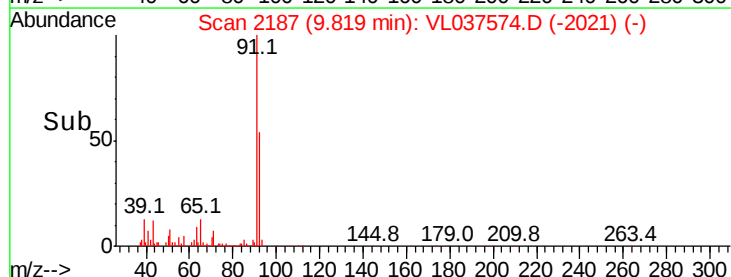
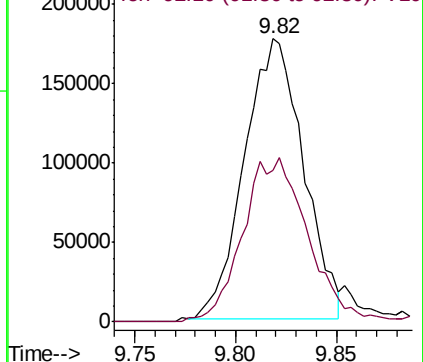
91 100

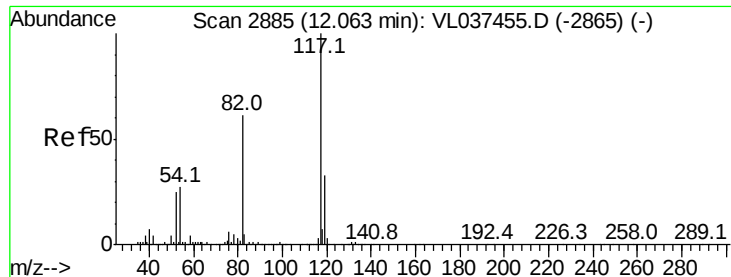
92 64.9 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

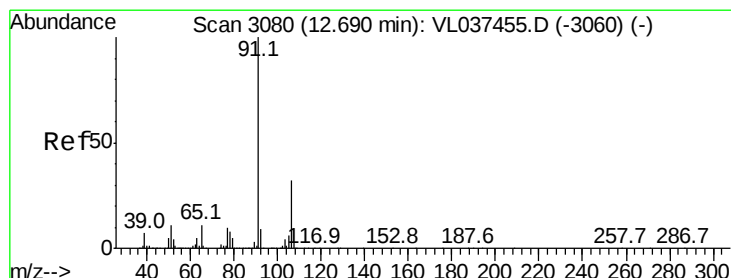
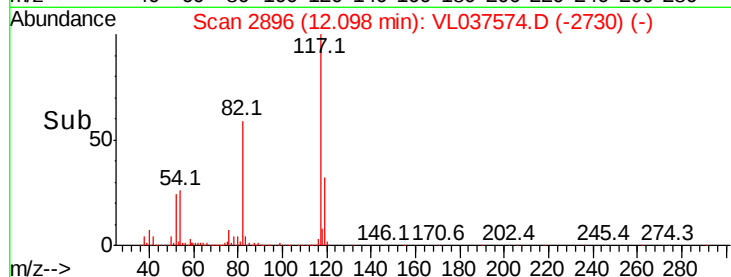
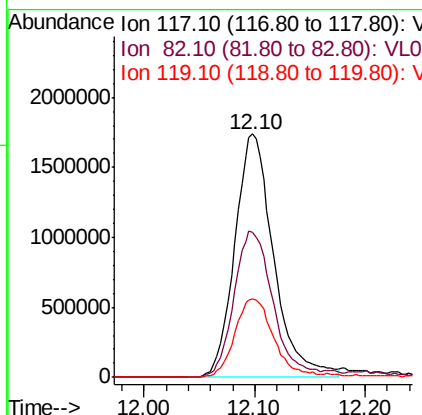
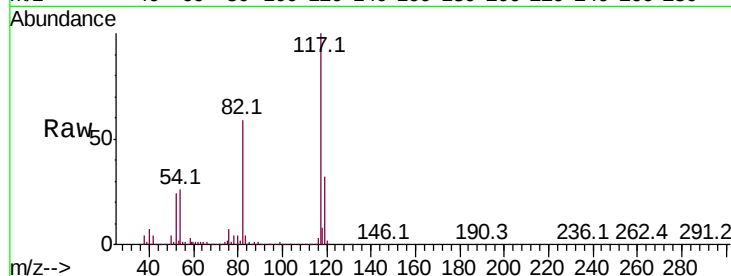




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

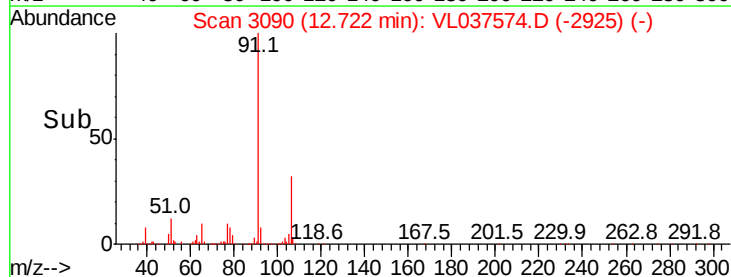
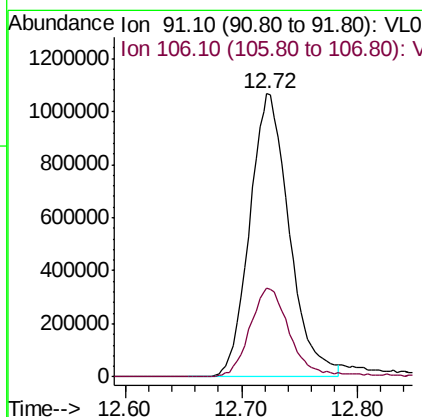
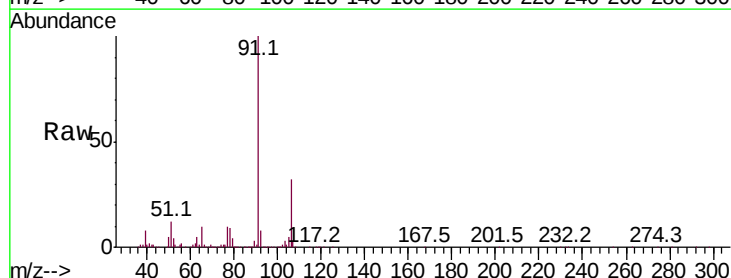
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

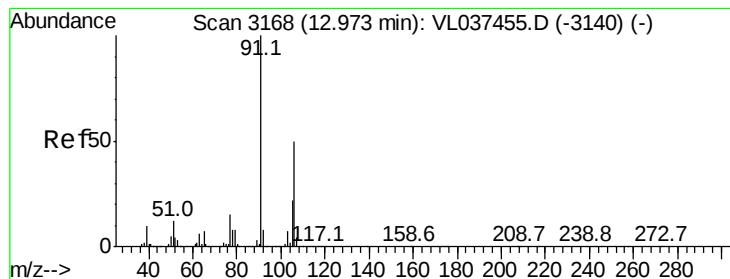
Tot Ion:117 Resp: 4231039
Ion Ratio Lower Upper
117 100
82 66.3 52.9 79.3
119 34.0 24.8 37.2



#58
Ethyl Benzene
Concen: 4.309 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.03 min
Lab File: VL037574.D
Acq: 8 Sep 2021 16:20

Tgt Ion: 91 Resp: 2530127
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5





#59

m/p-Xylene

Concen: 29.311 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

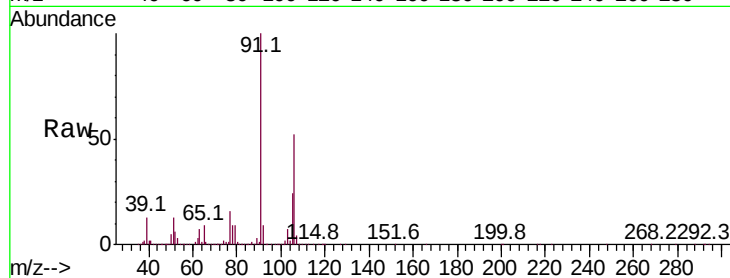
IA-1DUP

Tot Ion: 91 Resp:14920006

Ion Ratio Lower Upper

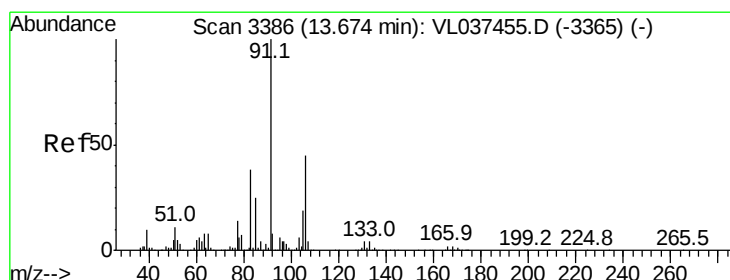
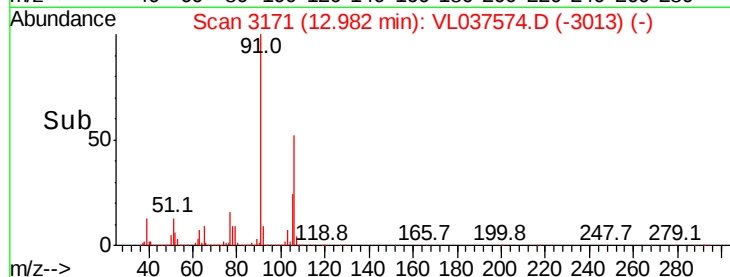
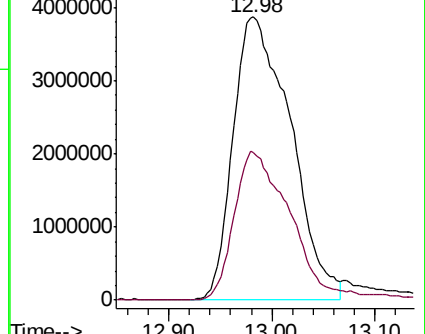
91 100

106 53.2 36.9 55.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 14.540 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.03 min

Lab File: VL037574.D

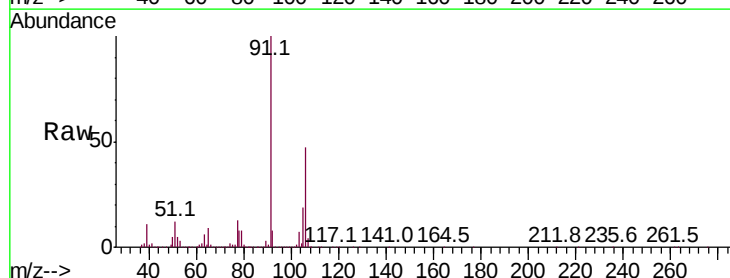
Acq: 8 Sep 2021 16:20

Tgt Ion: 91 Resp: 6907929

Ion Ratio Lower Upper

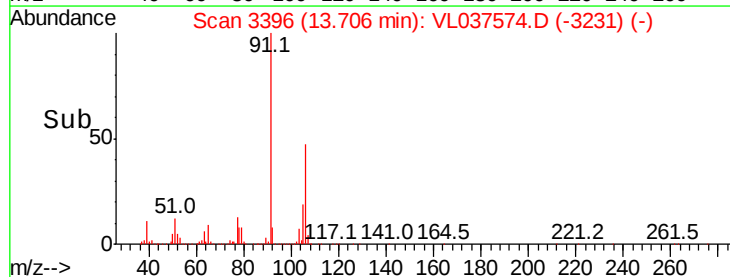
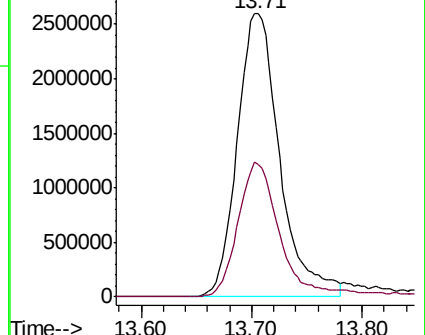
91 100

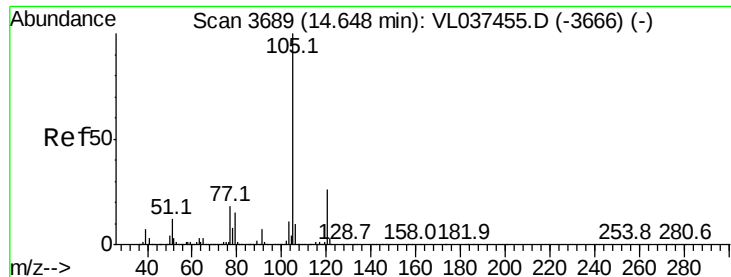
106 48.7 23.7 71.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#62

Isopropylbenzene

Concen: 0.044 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.04 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

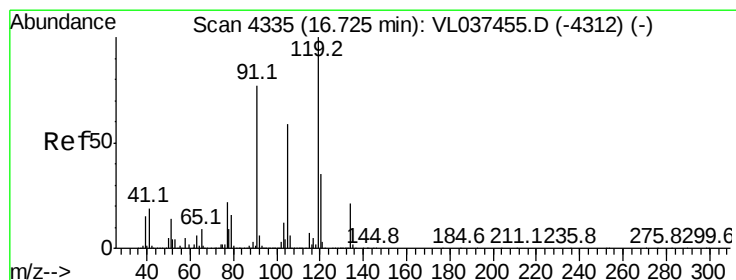
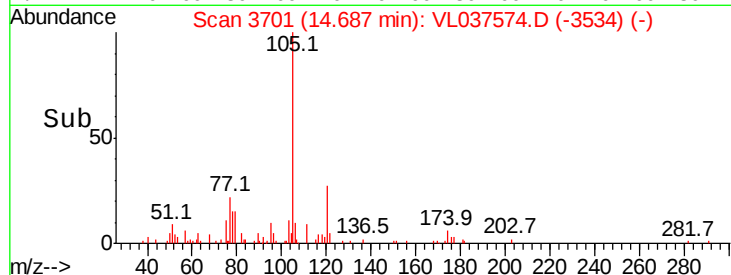
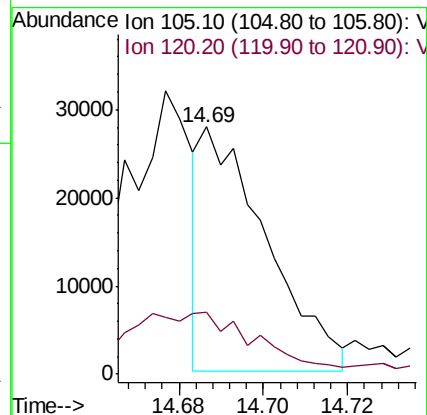
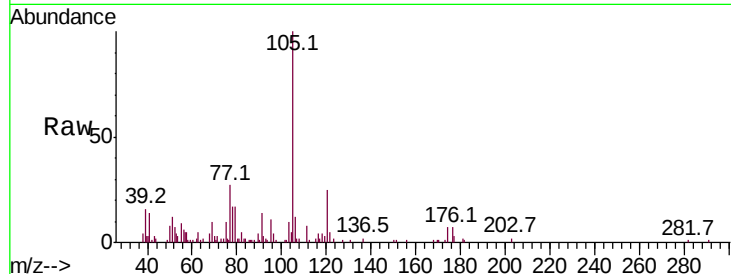
IA-1DUP

Tot Ion:105 Resp: 29743

Ion Ratio Lower Upper

105 100

120 63.5 21.5 32.3#



#65

tert-Butylbenzene

Concen: 0.058 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.05 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

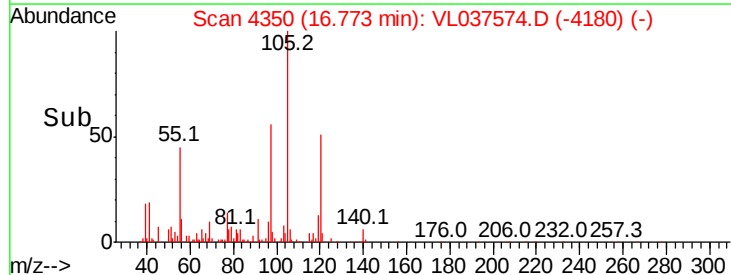
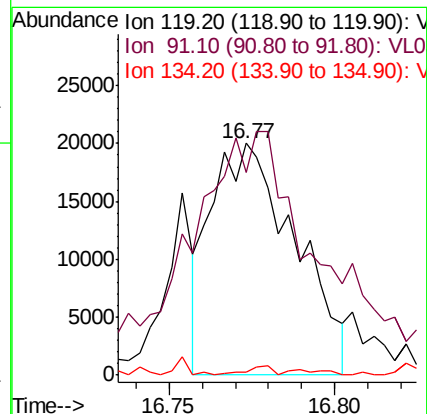
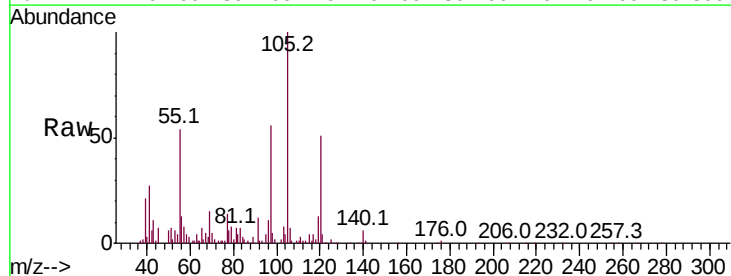
Tgt Ion:119 Resp: 35422

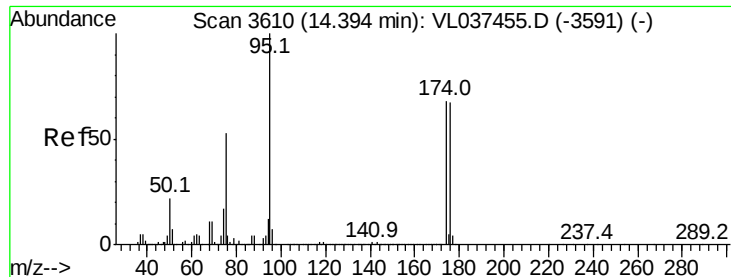
Ion Ratio Lower Upper

119 100

91 154.0 62.9 94.3#

134 0.0 16.4 24.6#

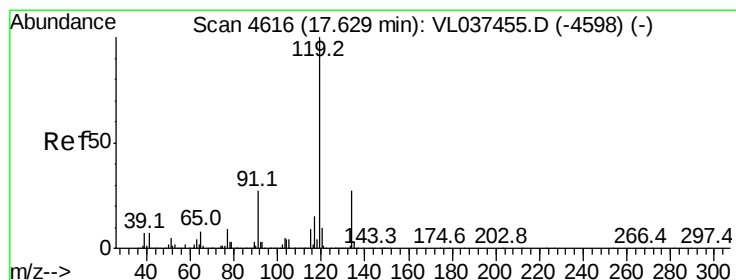
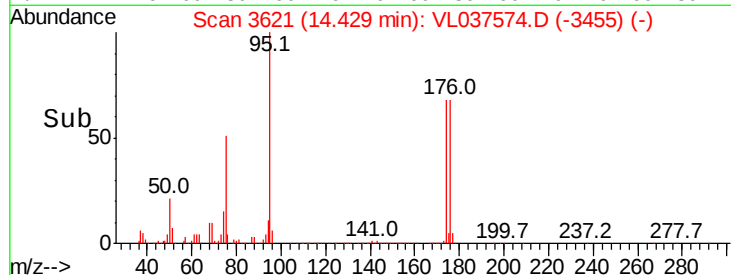
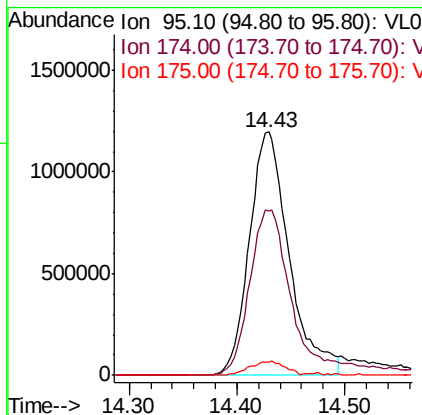
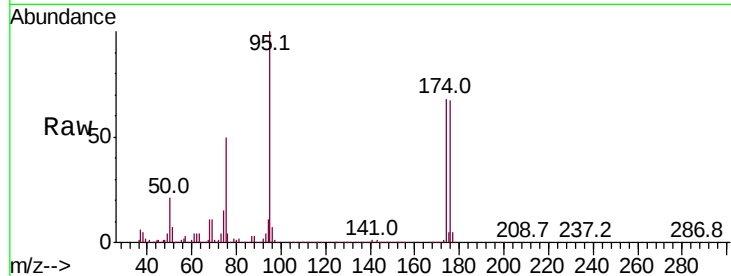




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.228 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL037574.D
 Acq: 8 Sep 2021 16:20

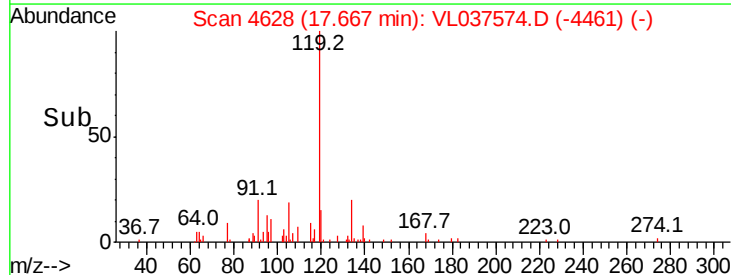
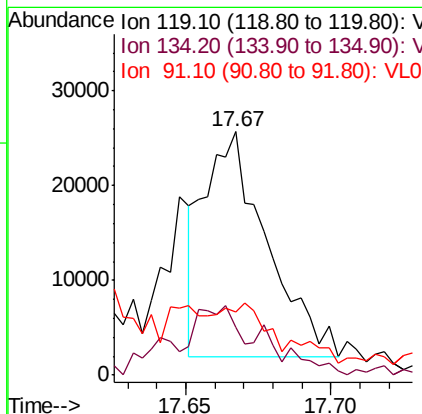
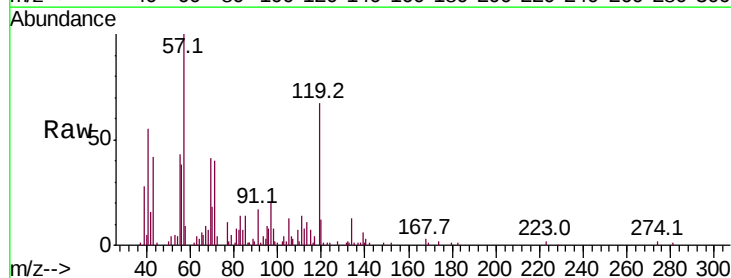
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

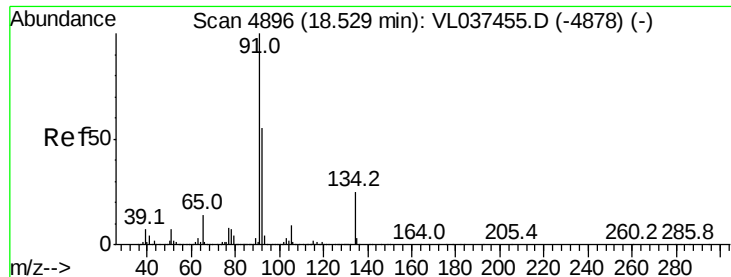
Tot Ion: 95 Resp: 3074421
 Ion Ratio Lower Upper
 95 100
 174 76.4 59.6 89.4
 175 6.1 4.6 7.0



#69
 p-Isopropyltoluene
 Concen: 0.051 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.04 min
 Lab File: VL037574.D
 Acq: 8 Sep 2021 16:20

Tgt Ion: 119 Resp: 35588
 Ion Ratio Lower Upper
 119 100
 134 46.2 21.1 31.7#
 91 33.6 22.4 33.6#





#70

n-Butylbenzene

Concen: 0.065 ppbv

RT: 18.57 min Scan# 4908

Delta R.T. 0.04 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

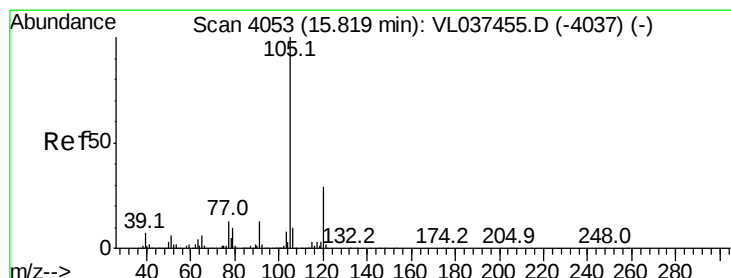
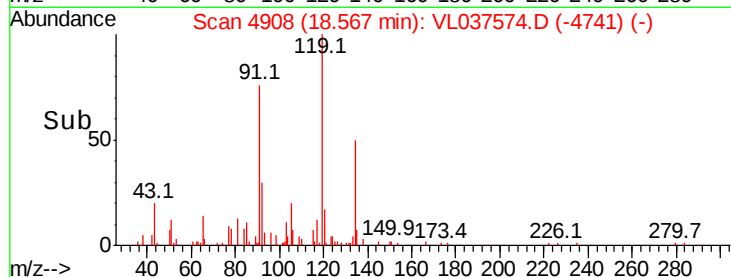
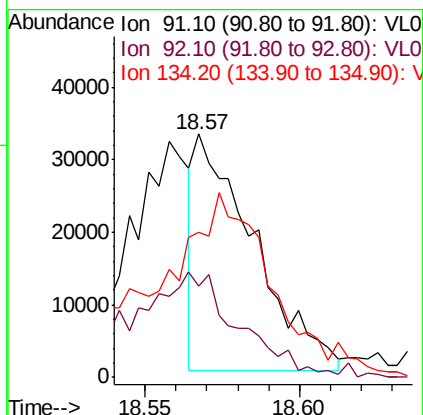
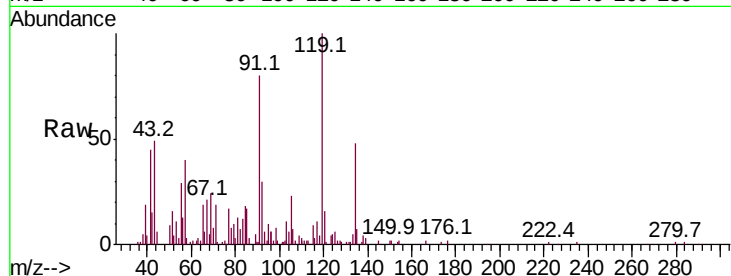
Tot Ion: 91 Resp: 43039

Ion Ratio Lower Upper

91 100

92 89.0 44.0 66.0#

134 187.8 19.5 29.3#



#72

4-Ethyltoluene

Concen: 0.059 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Tgt Ion: 105 Resp: 33560

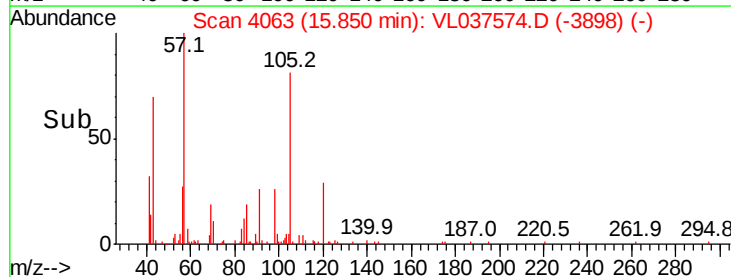
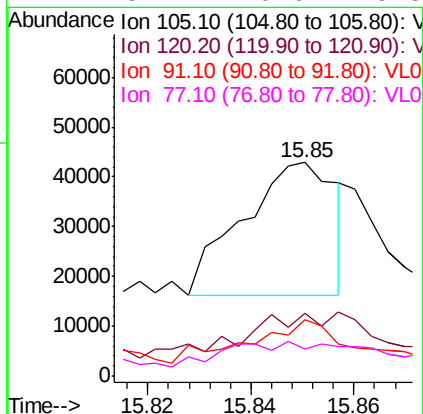
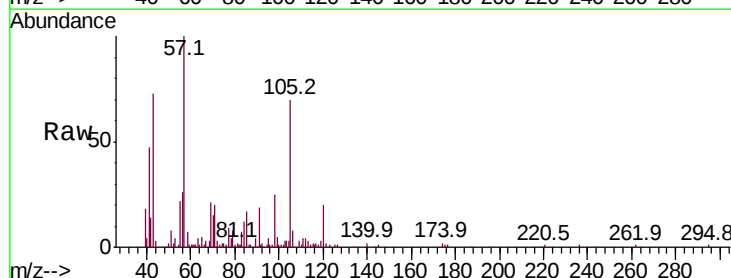
Ion Ratio Lower Upper

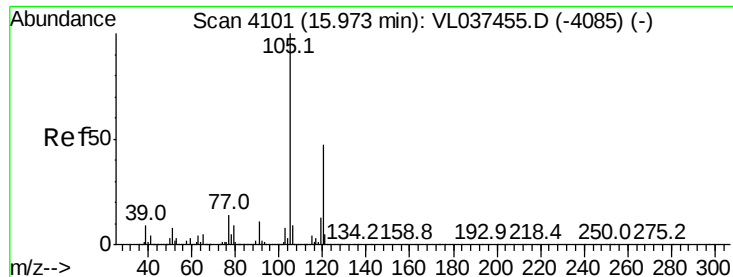
105 100

120 92.0 24.7 37.1#

91 49.9 9.8 14.8#

77 51.2 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.211 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.04 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

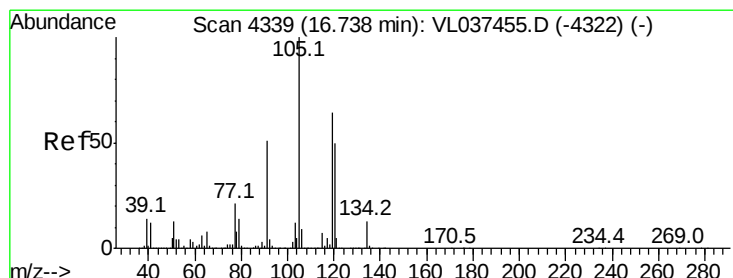
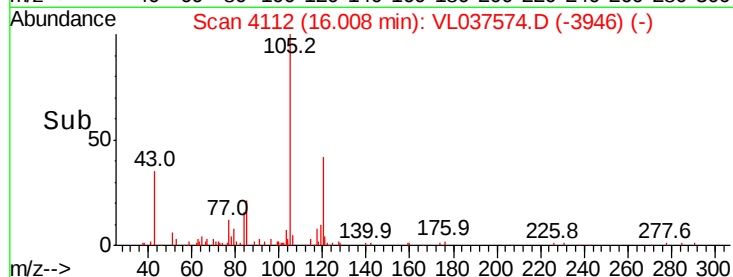
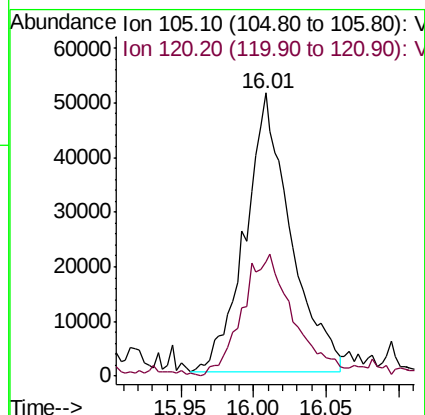
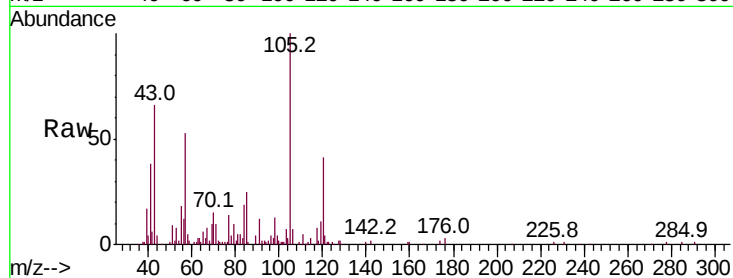
IA-1DUP

Tot Ion:105 Resp: 111223

Ion Ratio Lower Upper

105 100

120 40.2 37.6 56.4



#74

1,2,4-Trimethylbenzene

Concen: 0.667 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.04 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Tgt Ion:105 Resp: 372878

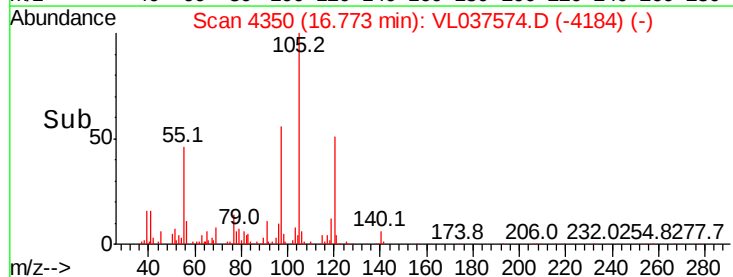
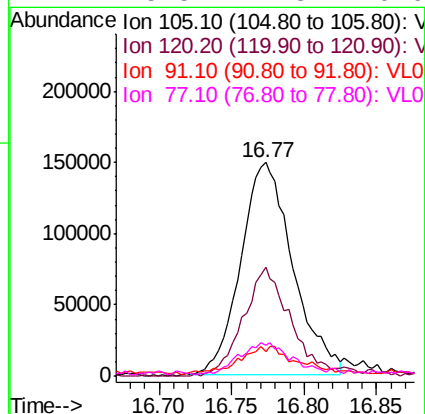
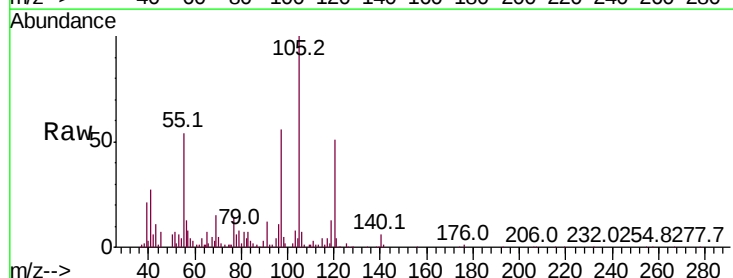
Ion Ratio Lower Upper

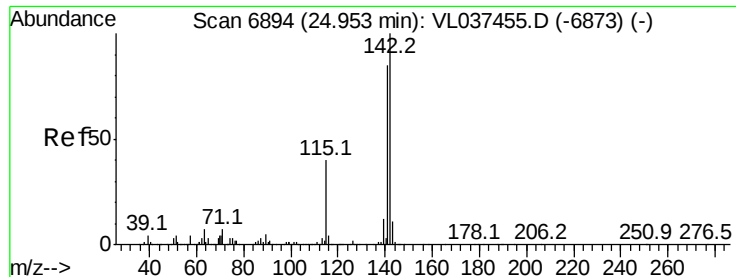
105 100

120 51.3 40.4 60.6

91 9.8 44.6 67.0#

77 13.5 17.8 26.6#





#80

Naphthalene, 2-methyl-

Concen: 0.585 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.03 min

Lab File: VL037574.D

Acq: 8 Sep 2021 16:20

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

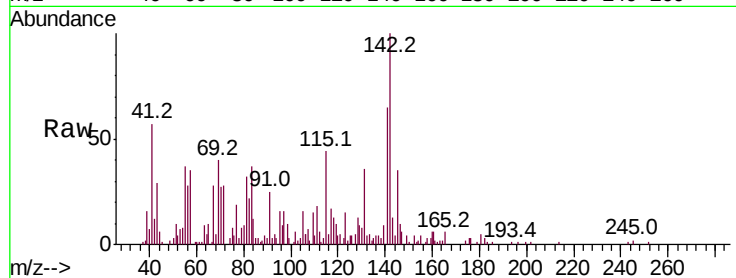
Tot Ion:142 Resp: 60980

Ion Ratio Lower Upper

142 100

141 85.9 64.7 97.1

115 96.0 28.4 42.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

