

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037573.D
 Acq On : 8 Sep 2021 15:37
 Operator : SY/AP
 Sample : M3662-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Quant Time: Sep 09 09:11:51 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	1636548	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4815230	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	4251072	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3089987	10.23	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

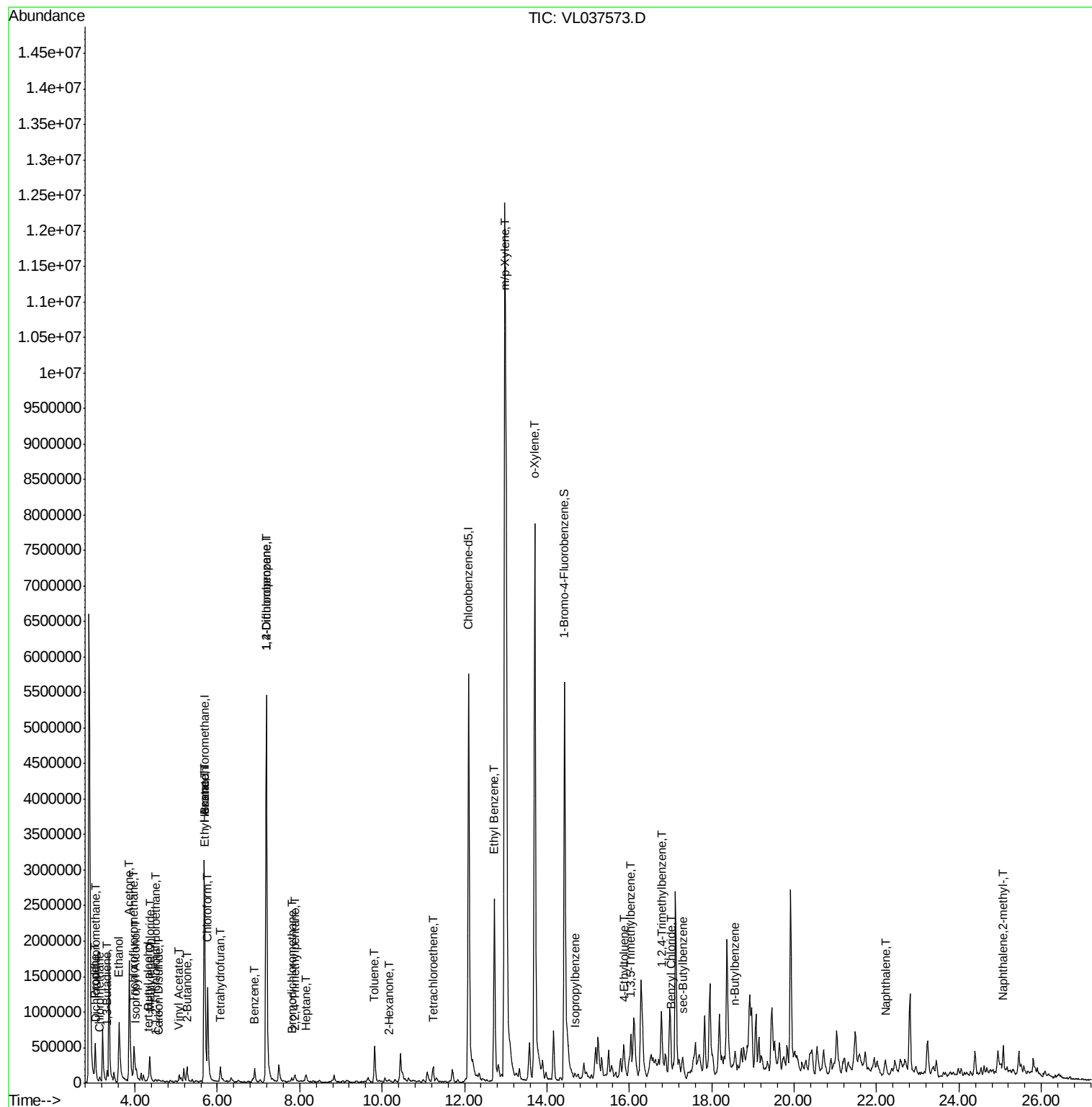
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	43579	0.166	ppbv 90
4) Chloromethane	3.15	50	52642	0.470	ppbv 90
9) Propene	3.04	41	137797	1.229	ppbv # 77
10) Heptane	8.14	43	12018	0.047	ppbv # 26
11) Trichlorofluoromethane	3.96	101	51223	0.208	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.50	101	7158	0.040	ppbv # 10
13) Ethanol	3.62	45	1141693	104.638	ppbv 87
15) Acetone	3.86	43	2118915	12.722	ppbv 100
16) 1,3-Butadiene	3.32	39	44718	0.419	ppbv # 40
17) tert-Butyl alcohol	4.32	59	32899	0.216	ppbv 95
19) Isopropyl Alcohol	4.02	45	33395	0.350	ppbv # 95
20) Methylene Chloride	4.36	84	65075	0.780	ppbv 92
23) Vinyl Acetate	5.08	43	73464	0.299	ppbv # 73
25) Ethyl Acetate	5.70	43	256172	0.606	ppbv # 90
26) Hexane	5.70	57	178773	0.865	ppbv # 73
27) Carbon Disulfide	4.57	76	16187	0.088	ppbv # 56
29) Chloroform	5.76	83	965948	3.297	ppbv 100
34) 2-Butanone	5.26	43	264682	1.346	ppbv # 90
36) Benzene	6.91	78	159815	0.395	ppbv 98
39) 1,2-Dichloropropane	7.19	63	1118569	7.191	ppbv # 28
41) Tetrahydrofuran	6.07	42	59935	0.633	ppbv # 23
42) Bromodichloromethane	7.81	83	16318	0.056	ppbv # 65
44) 2,2,4-Trimethylpentane	7.88	57	64564	0.095	ppbv # 53
51) 2-Hexanone	10.17	43	8886	0.075	ppbv # 27
52) Tetrachloroethene	11.25	164	12399	0.075	ppbv # 84
53) Toluene	9.82	91	368529	0.797	ppbv 98
58) Ethyl Benzene	12.72	91	2506035	4.248	ppbv 95
59) m/p-Xylene	12.98	91	15011484	29.352	ppbv 91
60) o-Xylene	13.71	91	6999387	14.663	ppbv 99
62) Isopropylbenzene	14.69	105	23692	0.035	ppbv # 48
66) Benzyl Chloride	17.03	91	1407	0.051	ppbv # 21
67) sec-Butylbenzene	17.30	105	38569	0.045	ppbv # 68
70) n-Butylbenzene	18.57	91	49901	0.075	ppbv # 1
72) 4-Ethyltoluene	15.85	105	99829	0.176	ppbv # 93
73) 1,3,5-Trimethylbenzene	16.02	105	42347	0.080	ppbv 96
74) 1,2,4-Trimethylbenzene	16.77	105	401994	0.716	ppbv # 66
79) Naphthalene	22.21	128	34405	0.092	ppbv # 84
80) Naphthalene,2-methyl-	25.08	142	3812	0.036	ppbv # 1

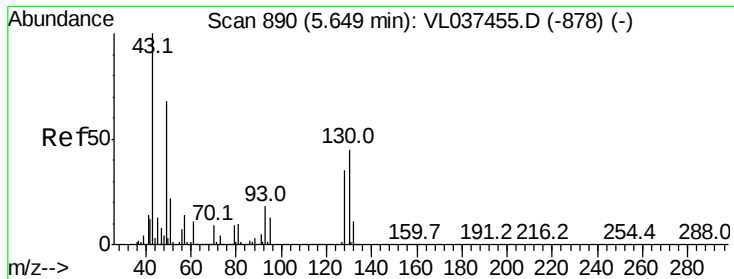
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

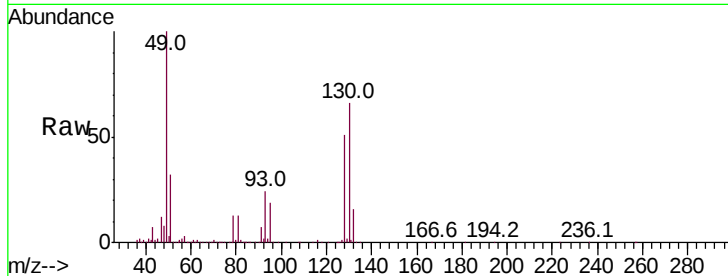
Tot Ion: 49 Resp: 1636548

Ion Ratio Lower Upper

49 100

128 54.6 27.5 82.4

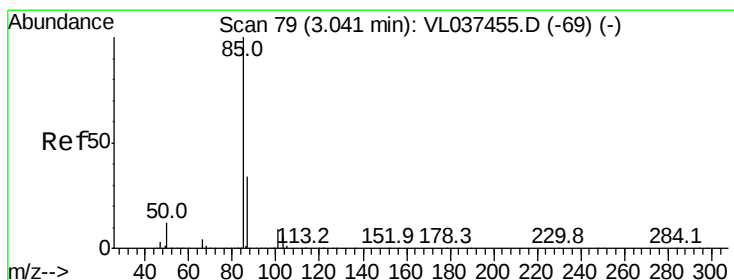
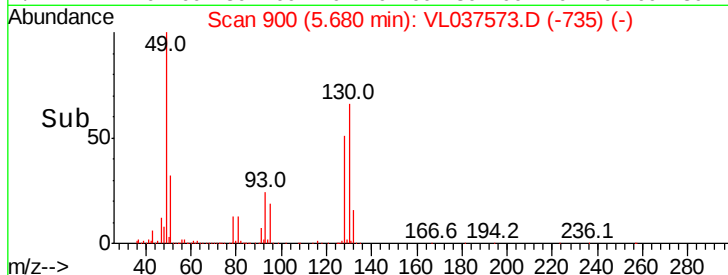
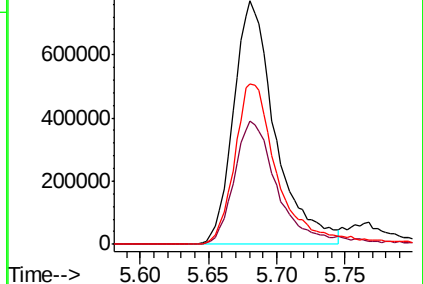
130 70.4 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.166 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL037573.D

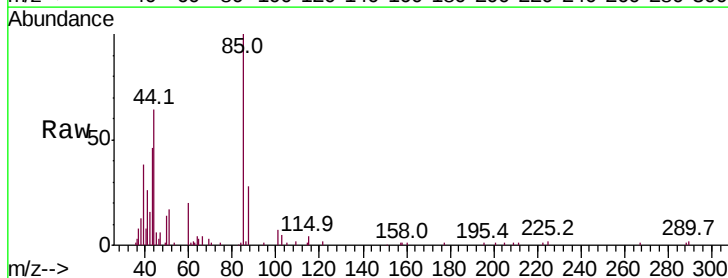
Acq: 8 Sep 2021 15:37

Tgt Ion: 85 Resp: 43579

Ion Ratio Lower Upper

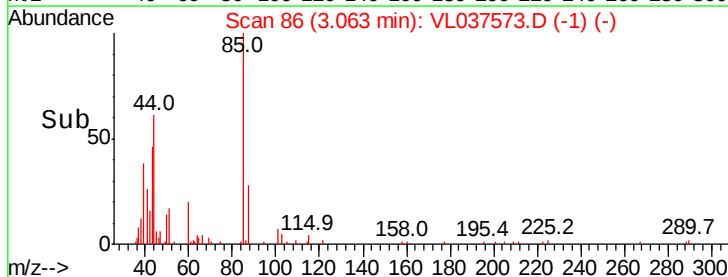
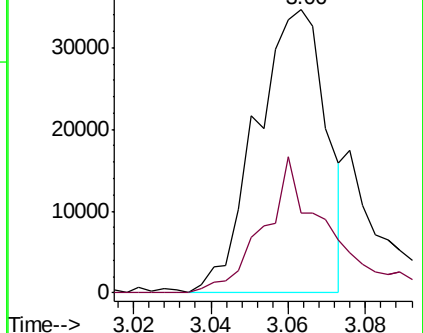
85 100

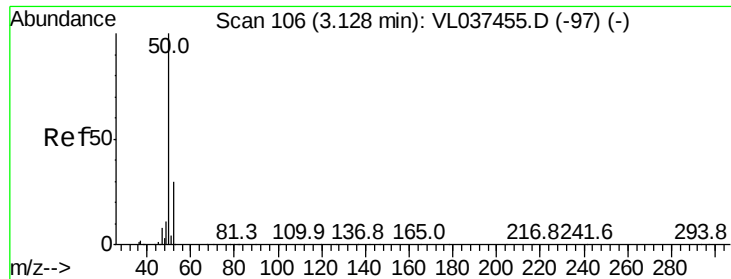
87 28.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.470 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

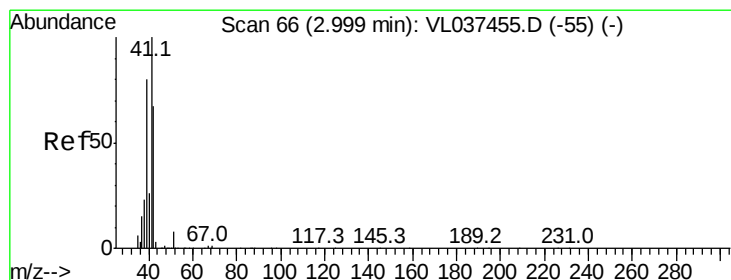
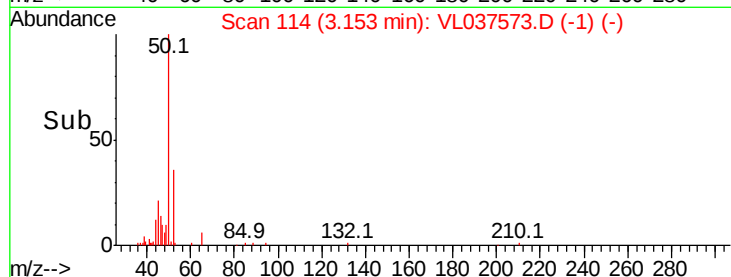
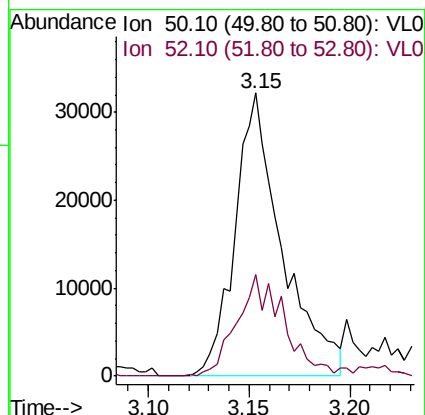
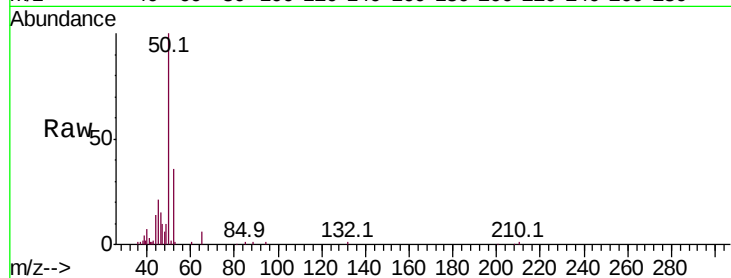
IA-1

Tot Ion: 50 Resp: 52642

Ion Ratio Lower Upper

50 100

52 35.4 24.0 36.0



#9

Propene

Concen: 1.229 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.04 min

Lab File: VL037573.D

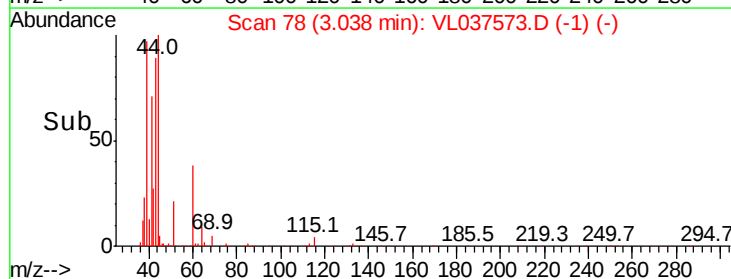
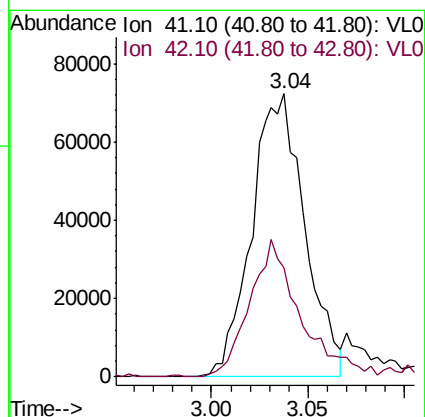
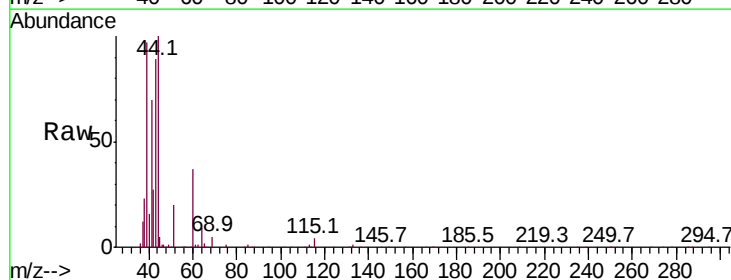
Acq: 8 Sep 2021 15:37

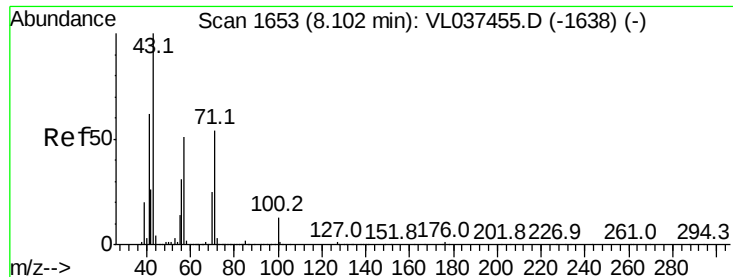
Tgt Ion: 41 Resp: 137797

Ion Ratio Lower Upper

41 100

42 48.9 53.7 80.5#

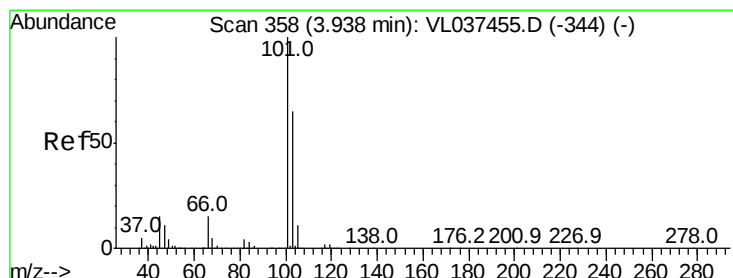
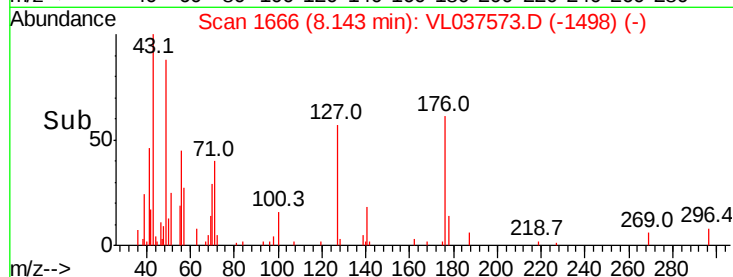
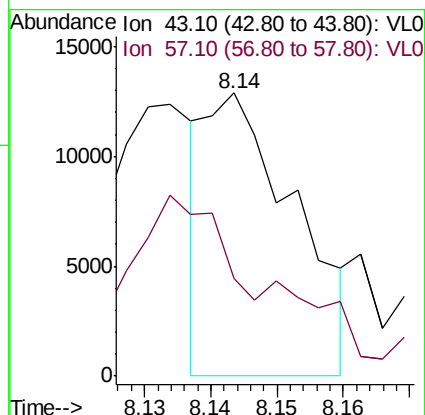
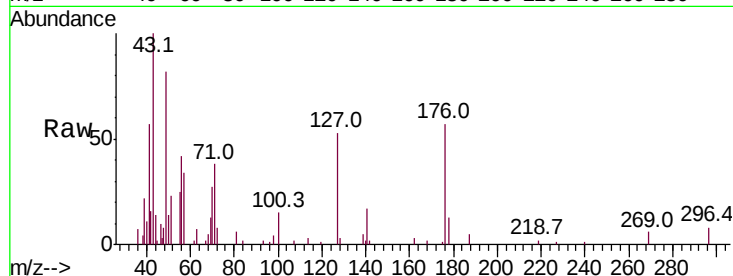




#10
Heptane
Concen: 0.047 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. 0.04 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

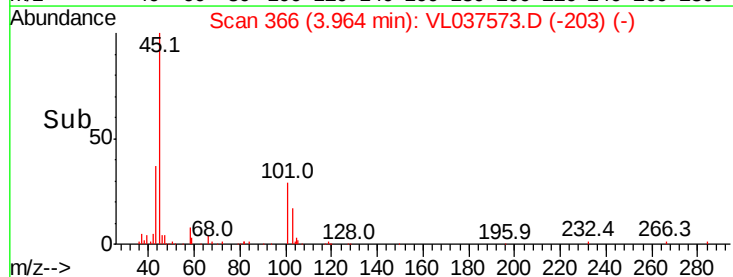
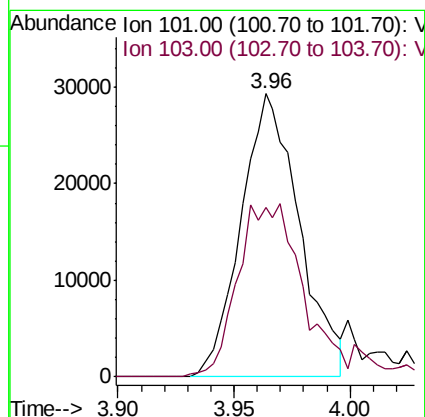
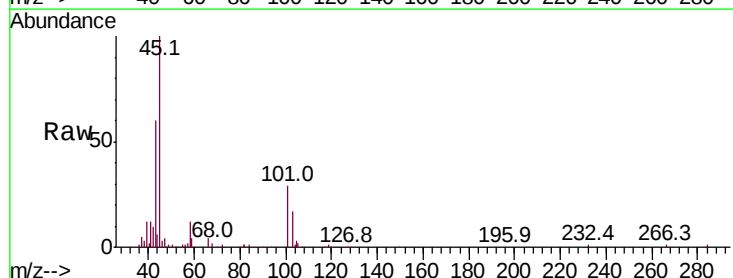
Instrument :
MSVOA_L
ClientSampleId :
IA-1

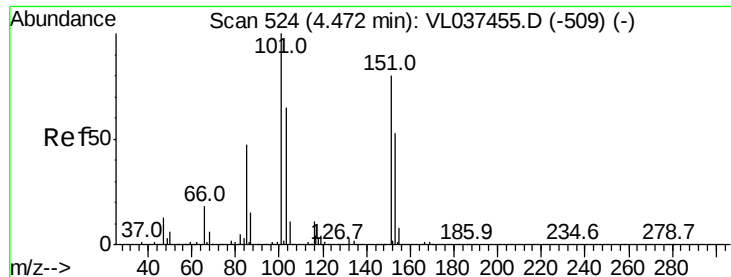
Tot Ion: 43 Resp: 12018
Ion Ratio Lower Upper
43 100
57 0.0 41.0 61.6#



#11
Trichlorofluoromethane
Concen: 0.208 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion:101 Resp: 51223
Ion Ratio Lower Upper
101 100
103 58.7 51.8 77.6





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.040 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

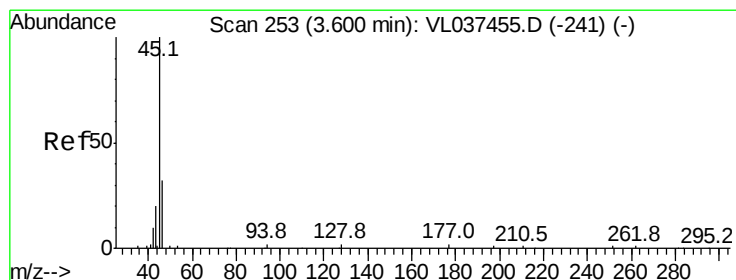
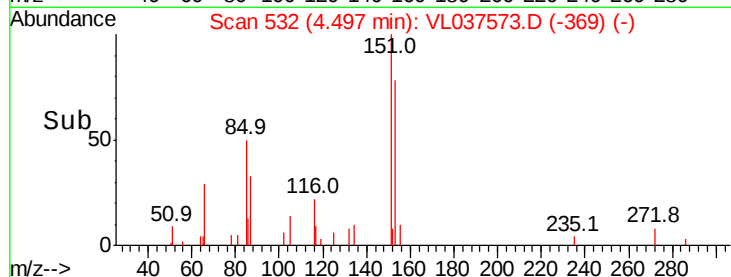
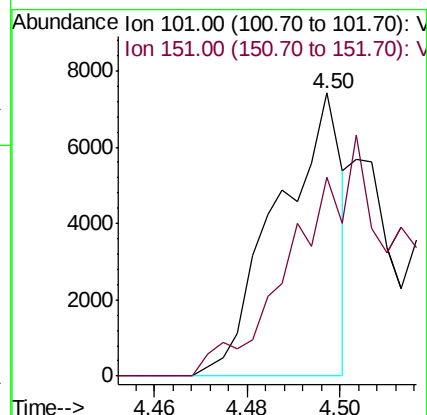
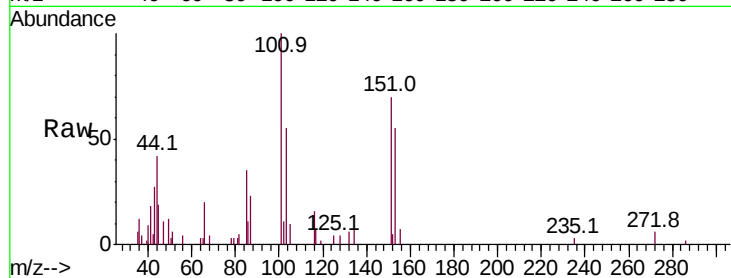
IA-1

Tot Ion:101 Resp: 7158

Ion Ratio Lower Upper

101 100

151 0.0 63.7 95.5#



#13

Ethanol

Concen: 104.638 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037573.D

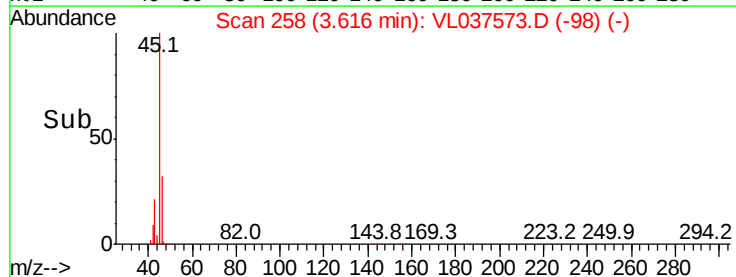
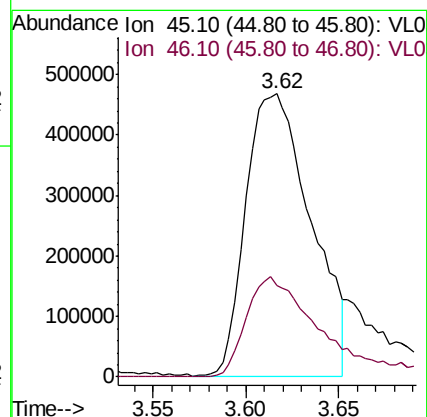
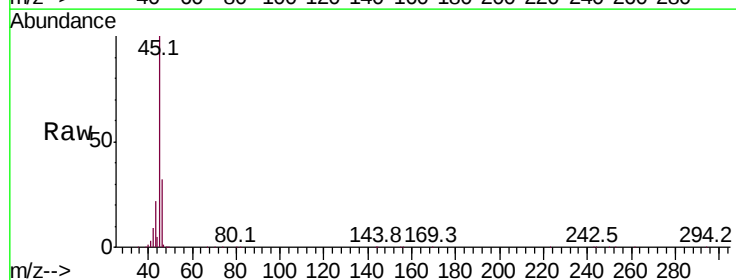
Acq: 8 Sep 2021 15:37

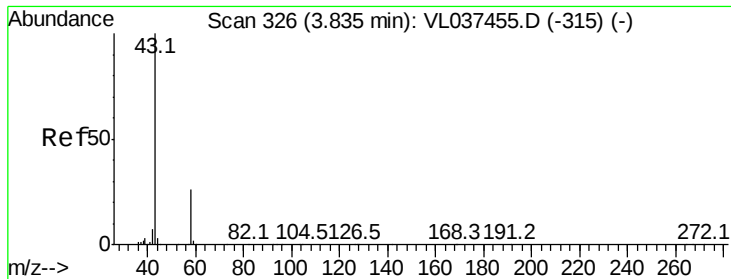
Tgt Ion: 45 Resp: 1141693

Ion Ratio Lower Upper

45 100

46 42.6 14.1 56.5





#15

Acetone

Concen: 12.722 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

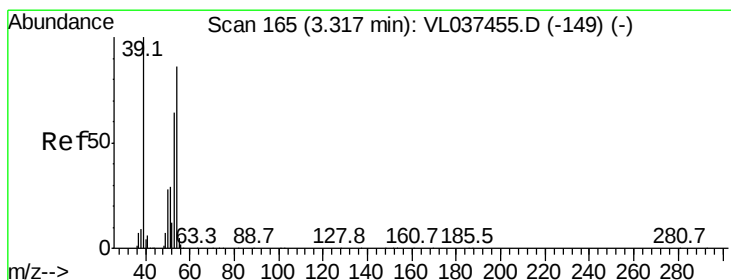
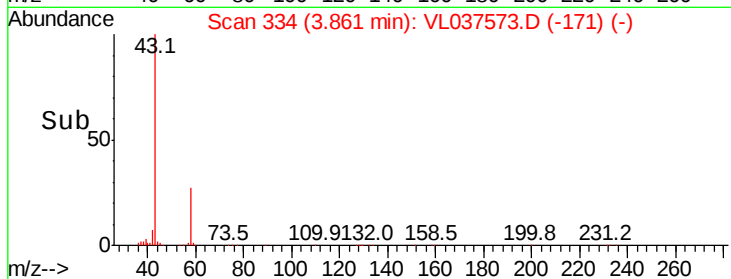
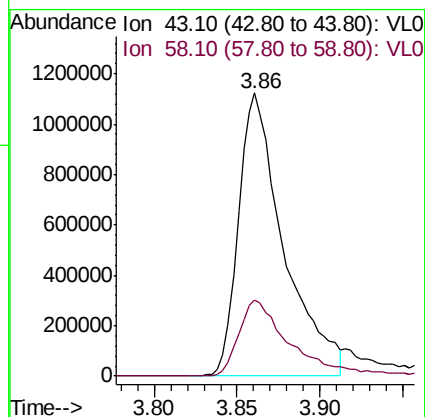
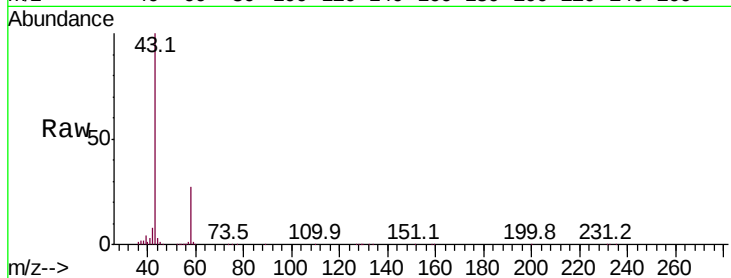
IA-1

Tot Ion: 43 Resp: 2118915

Ion Ratio Lower Upper

43 100

58 31.0 24.8 37.2



#16

1,3-Butadiene

Concen: 0.419 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037573.D

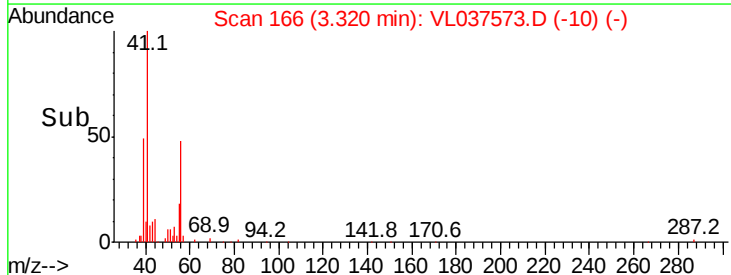
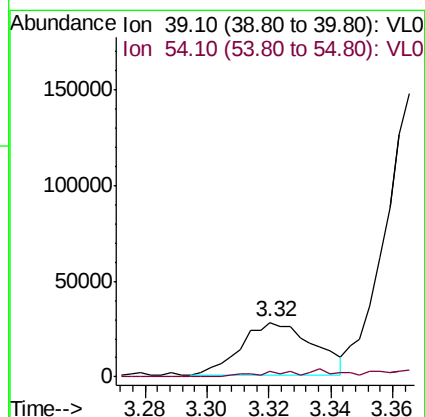
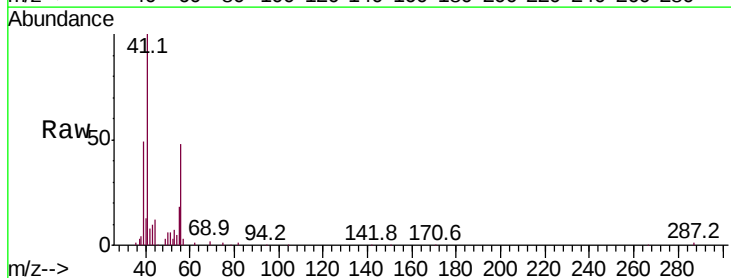
Acq: 8 Sep 2021 15:37

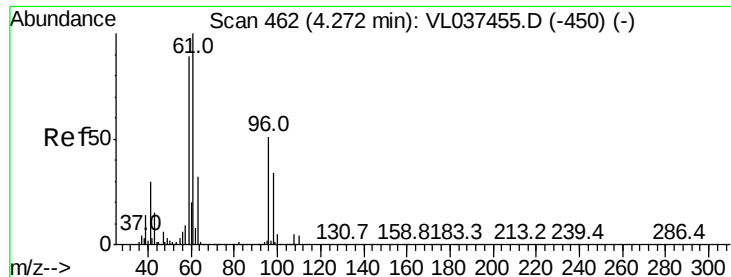
Tgt Ion: 39 Resp: 44718

Ion Ratio Lower Upper

39 100

54 27.2 63.7 95.5#



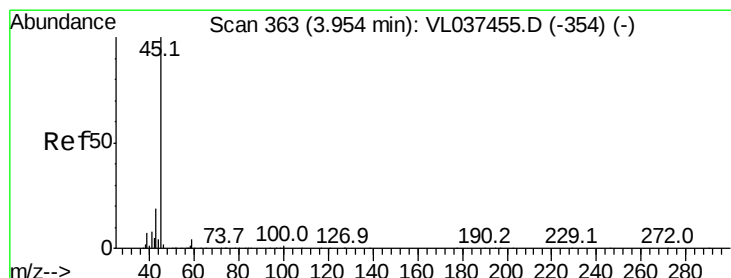
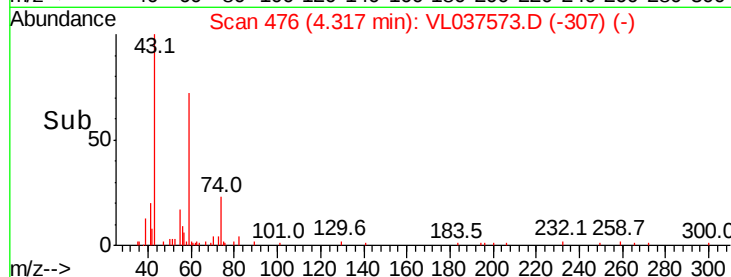
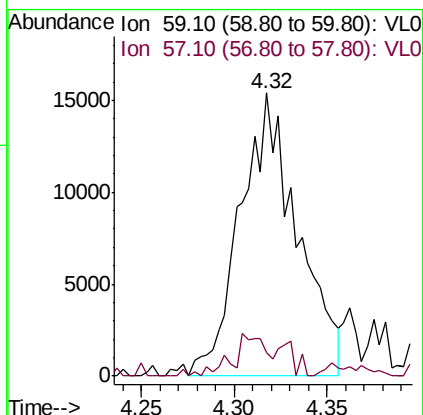
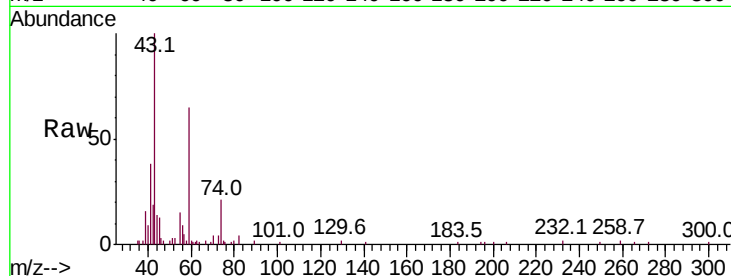


#17

tert-Butyl alcohol
Concen: 0.216 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Instrument :
MSVOA_L
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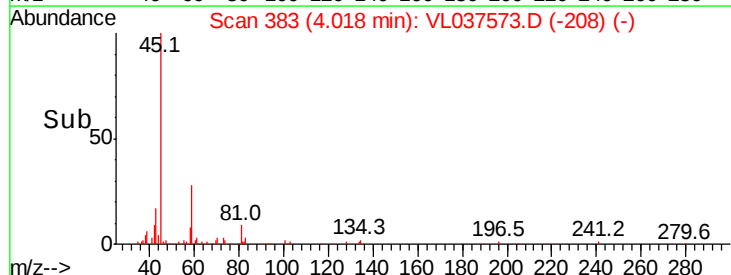
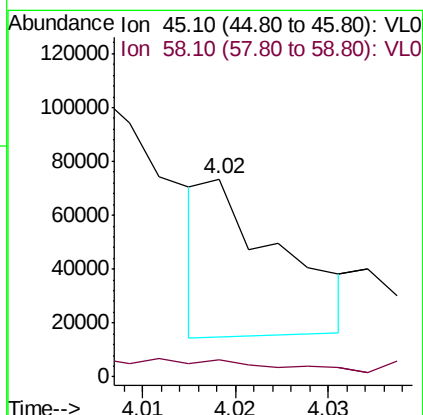
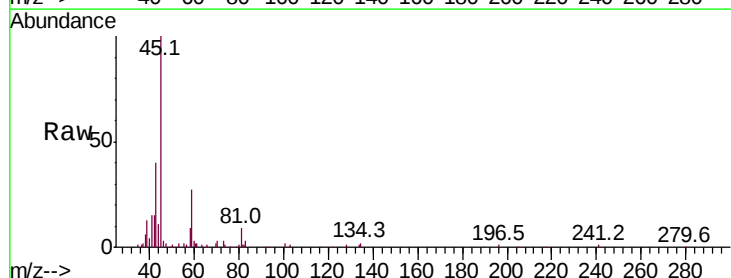
Tot Ion: 59 Resp: 32899
Ion Ratio Lower Upper
59 100
57 12.3 8.3 12.5

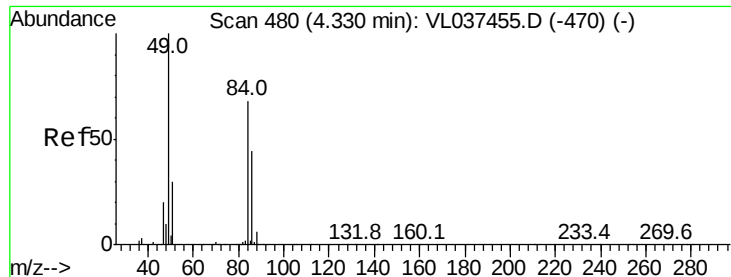


#19

Isopropyl Alcohol
Concen: 0.350 ppbv
RT: 4.02 min Scan# 383
Delta R.T. 0.06 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion: 45 Resp: 33395
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

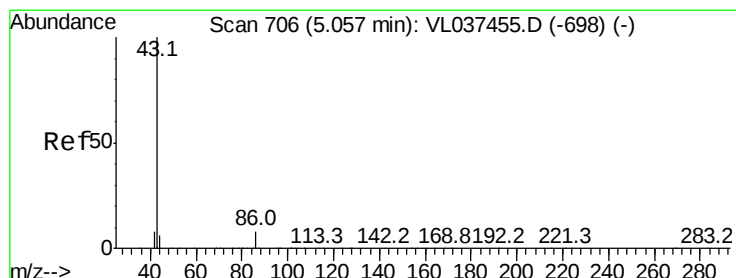
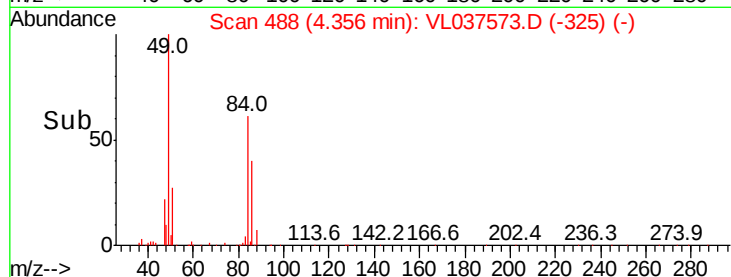
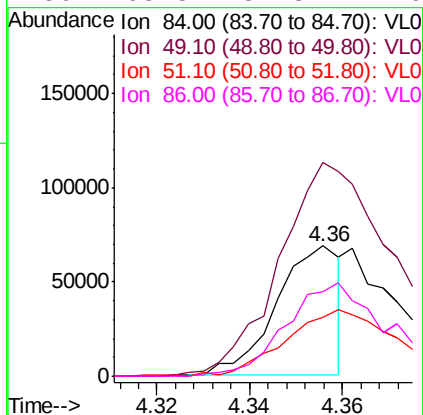
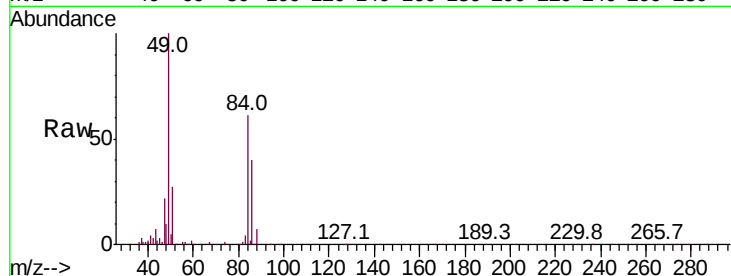




#20
Methvlene Chloride
Concen: 0.780 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

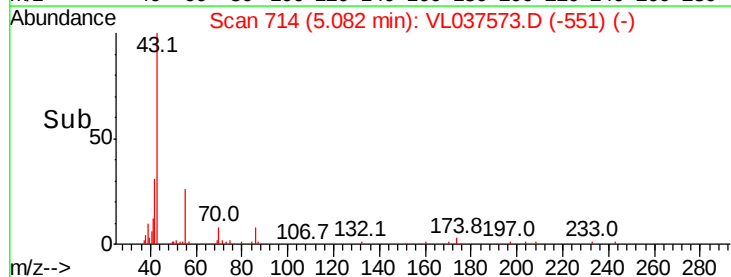
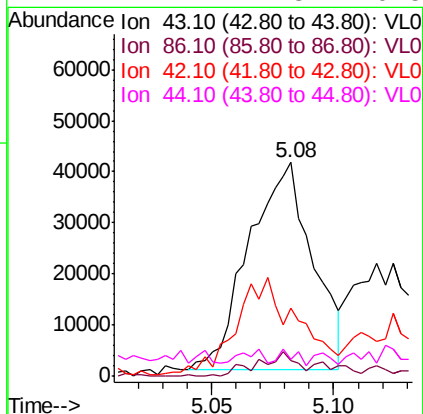
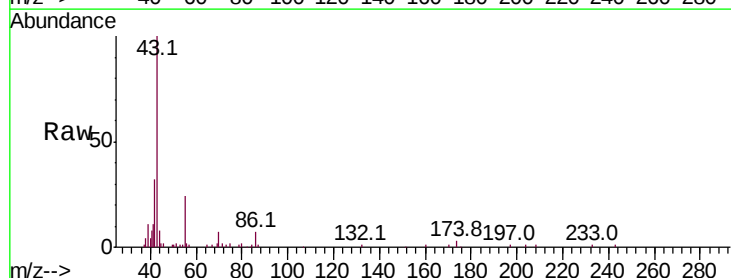
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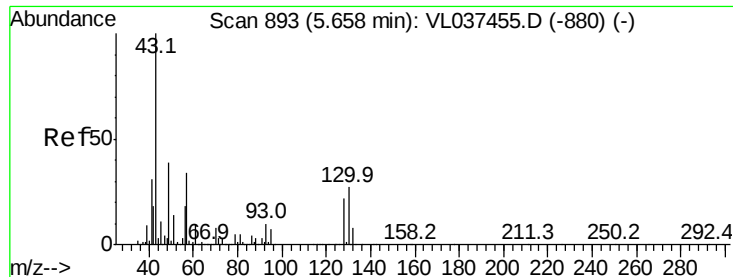
Tot Ion:	84	Resp:	65075
Ion	Ratio	Lower	Upper
84	100		
49	163.5	118.2	177.2
51	45.0	36.6	55.0
86	65.8	51.8	77.6



#23
Vinyl Acetate
Concen: 0.299 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion:	43	Resp:	73464
Ion	Ratio	Lower	Upper
43	100		
86	8.3	5.7	8.5
42	29.5	7.4	11.2#
44	2.1	4.3	6.5#

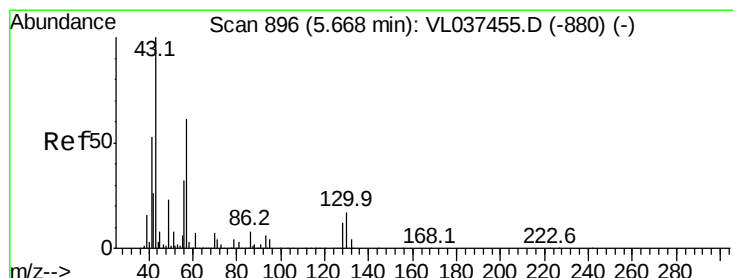
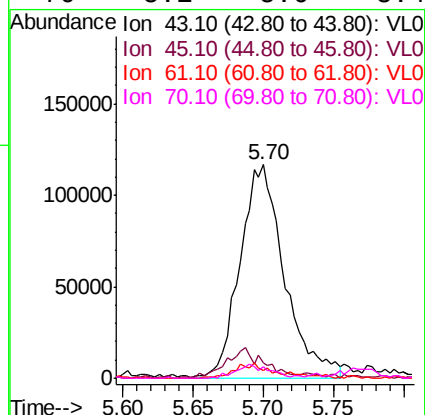
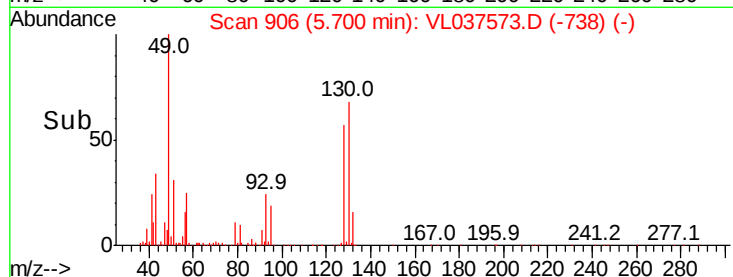
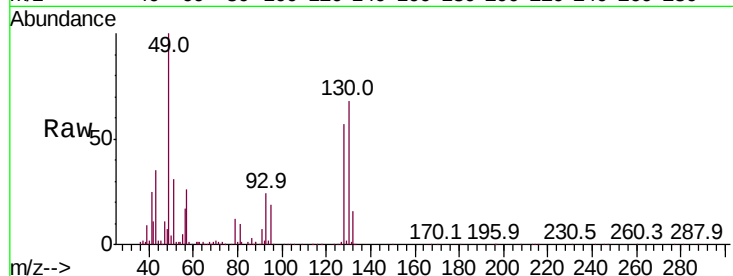




#25
Ethyl Acetate
Concen: 0.606 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

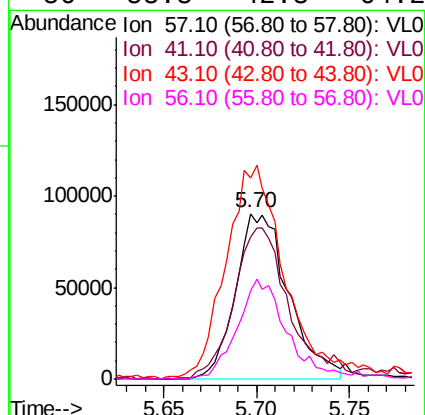
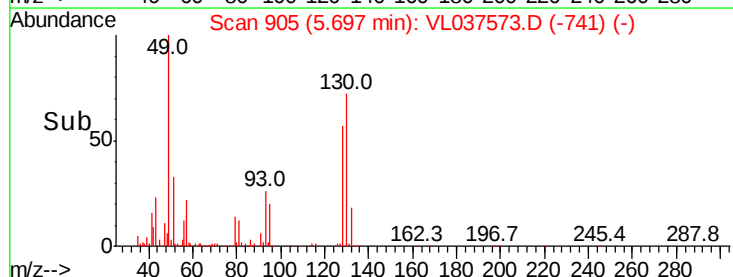
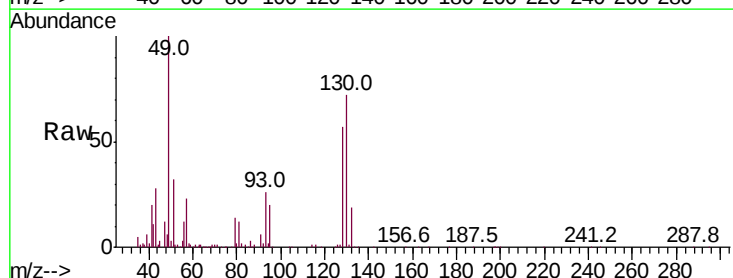
Instrument :
MSVOA_L
ClientSampleId :
IA-1

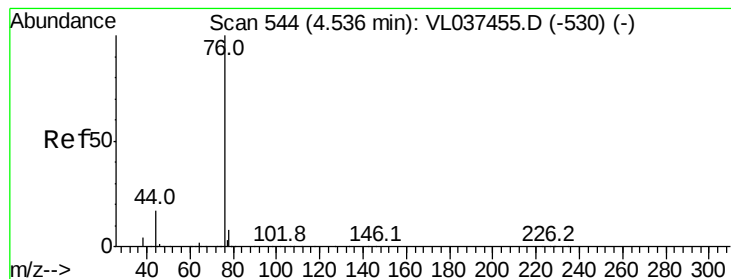
Tot Ion:	43	Resp:	256172
Ion	Ratio	Lower	Upper
43	100		
45	15.2	8.0	12.0#
61	6.9	8.0	12.0#
70	5.1	5.6	8.4#



#26
Hexane
Concen: 0.865 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion:	57	Resp:	178773
Ion	Ratio	Lower	Upper
57	100		
41	100.3	72.3	108.5
43	153.2	172.3	258.5#
56	58.8	42.8	64.2





#27

Carbon Disulfide

Concen: 0.088 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

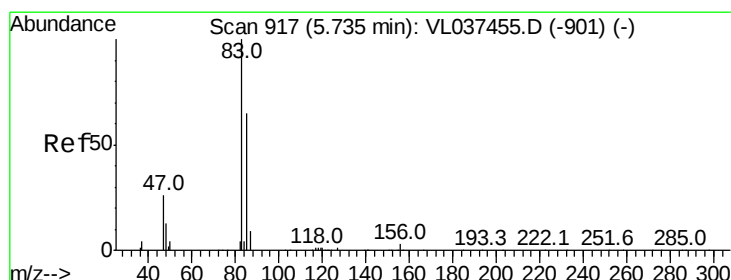
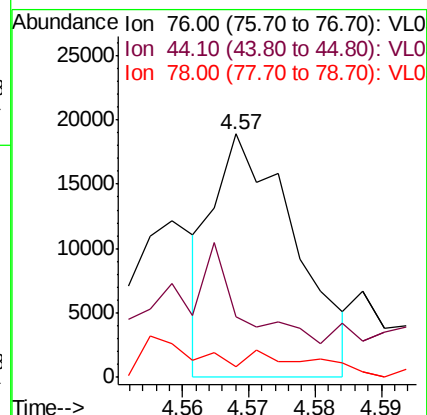
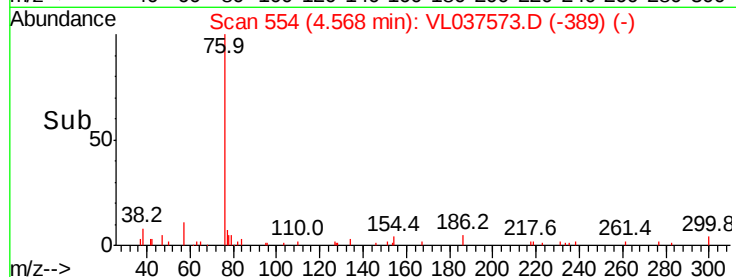
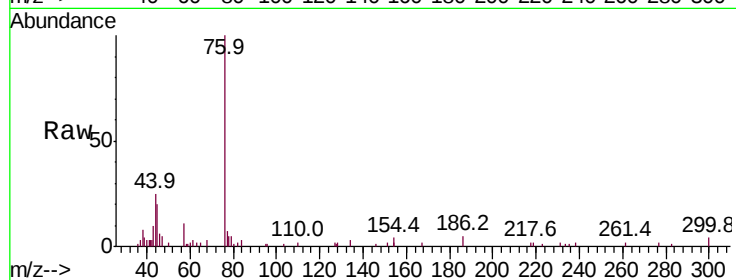
Tot Ion: 76 Resp: 16187

Ion Ratio Lower Upper

76 100

44 40.8 13.9 20.9#

78 0.0 7.9 11.9#



#29

Chloroform

Concen: 3.297 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.03 min

Lab File: VL037573.D

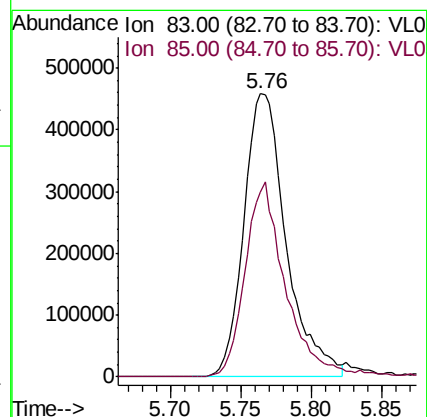
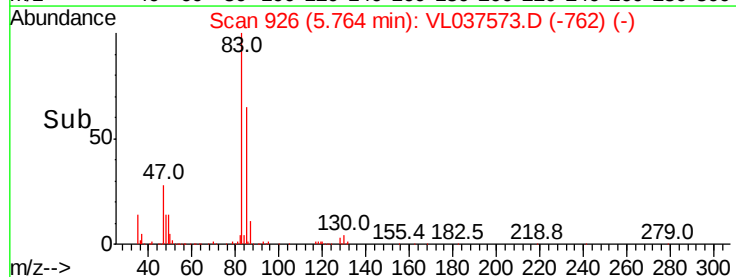
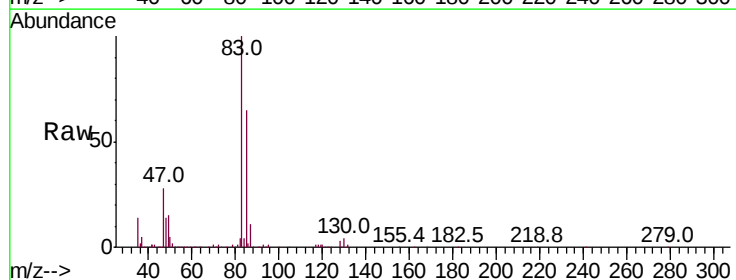
Acq: 8 Sep 2021 15:37

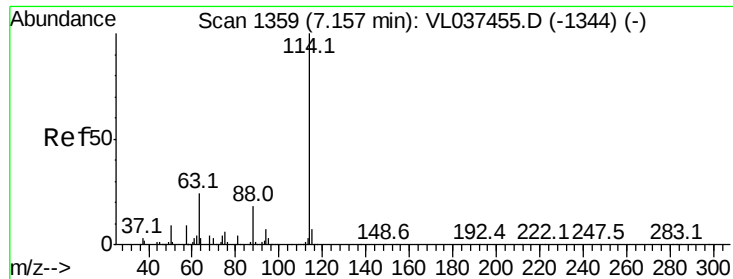
Tgt Ion: 83 Resp: 965948

Ion Ratio Lower Upper

83 100

85 65.2 52.3 78.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.04 min

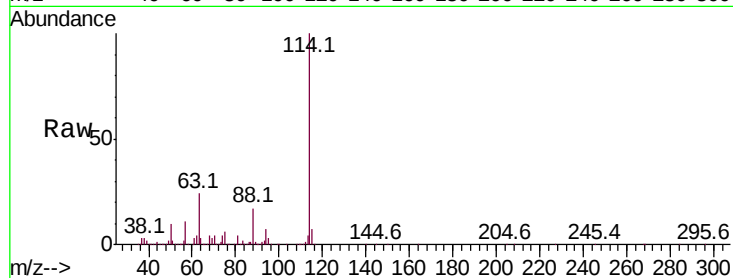
Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion:114 Resp: 4815230

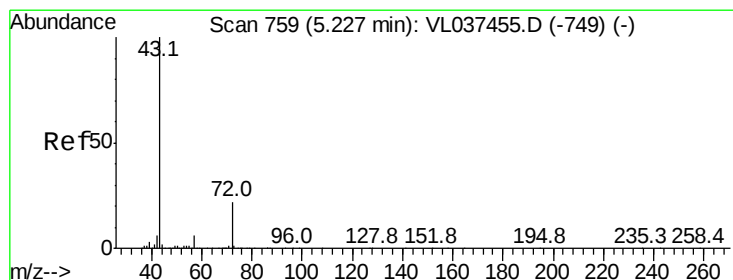
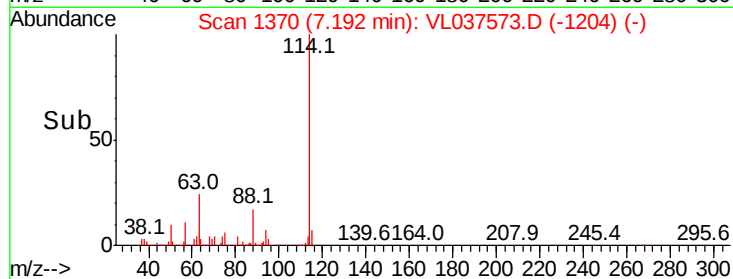
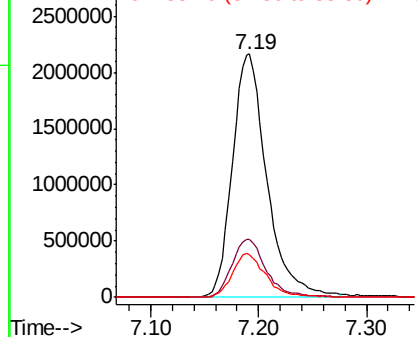
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.9	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.346 ppbv

RT: 5.26 min Scan# 770

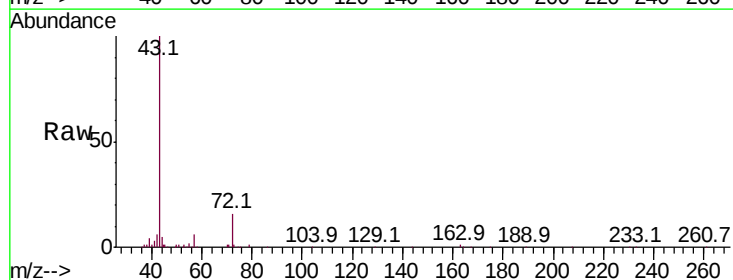
Delta R.T. 0.04 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

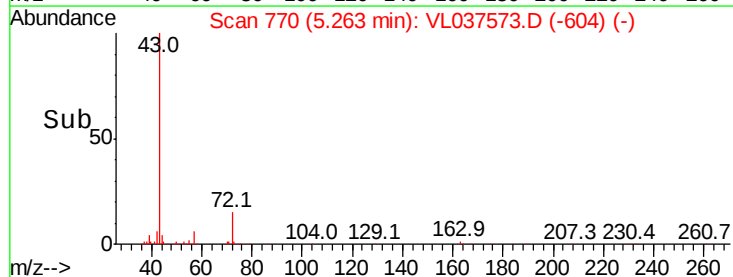
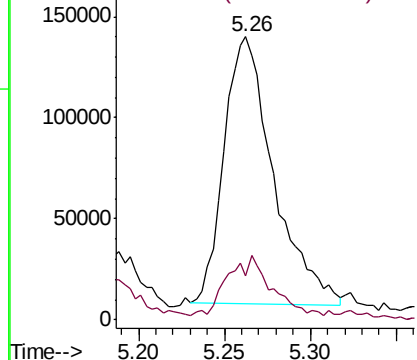
Tgt Ion: 43 Resp: 264682

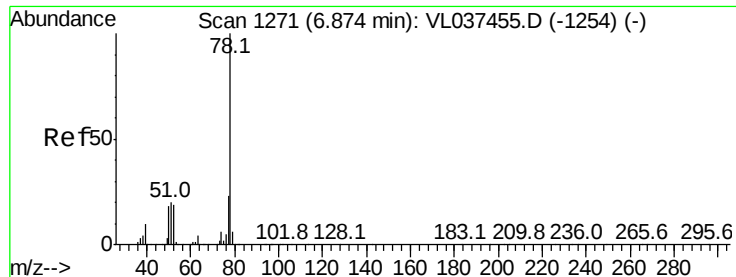
Ion	Ratio	Lower	Upper
43	100		
72	26.6	17.4	26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.395 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

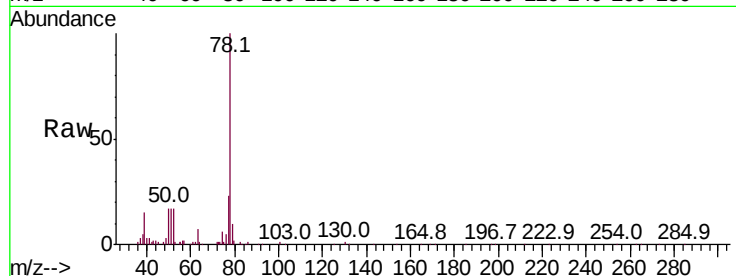
Tot Ion: 78 Resp: 159815

Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.4

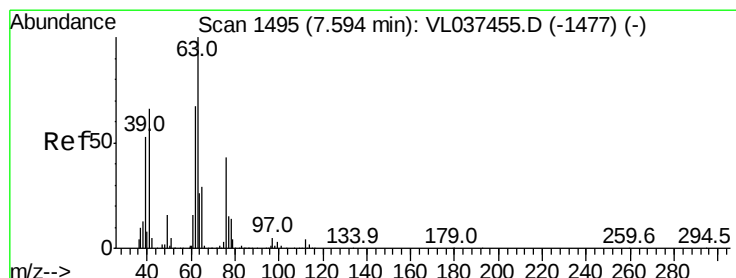
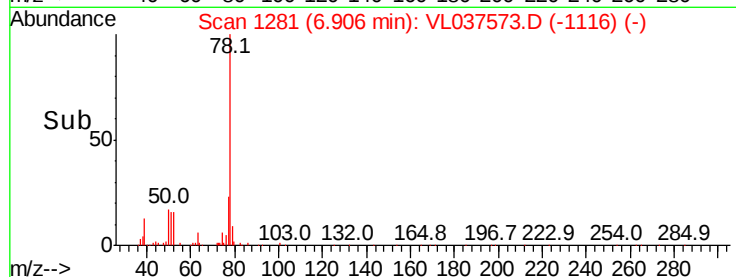
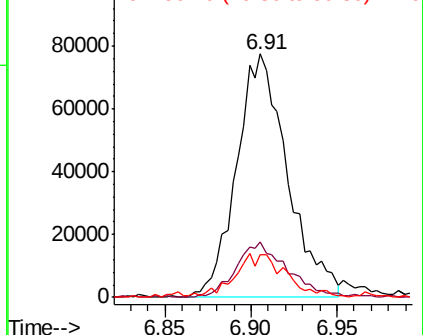
50 16.5 14.6 21.8



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.191 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.41 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

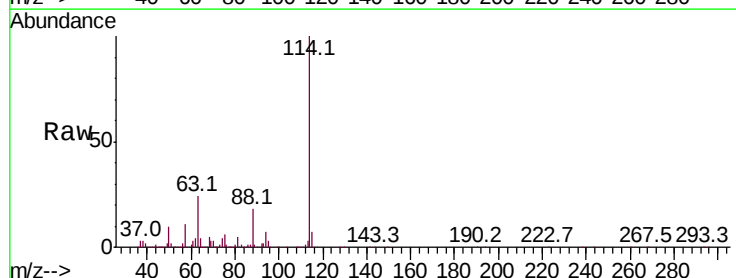
Tgt Ion: 63 Resp: 1118569

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

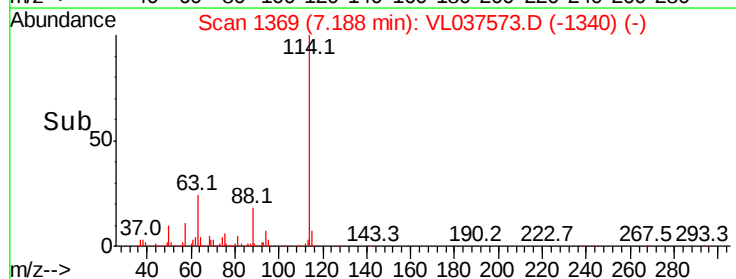
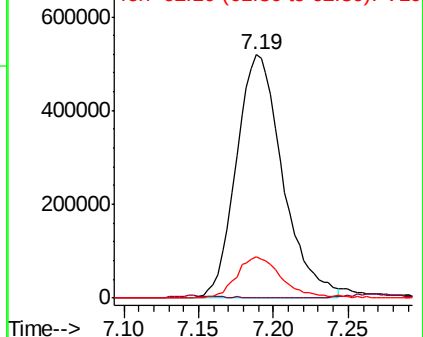
62 17.0 53.6 80.4#

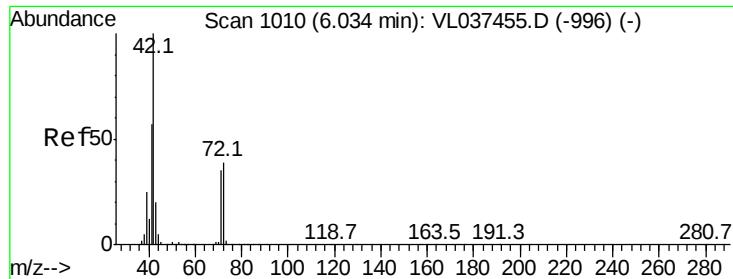


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.633 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampled :

IA-1

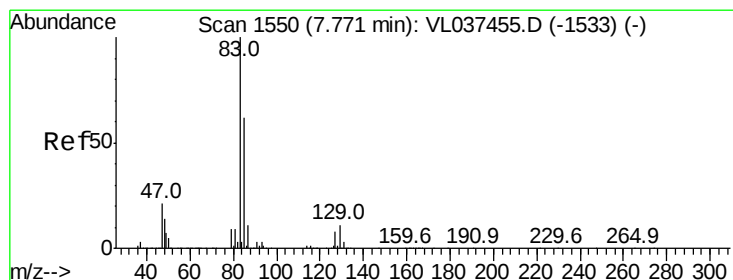
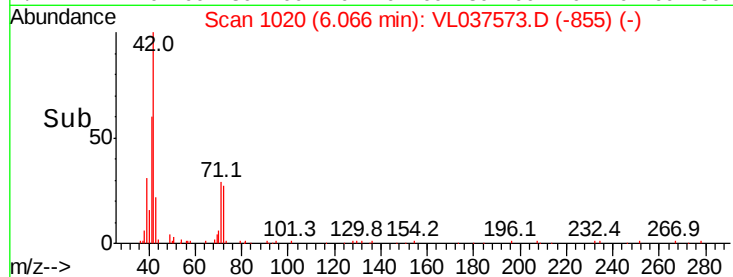
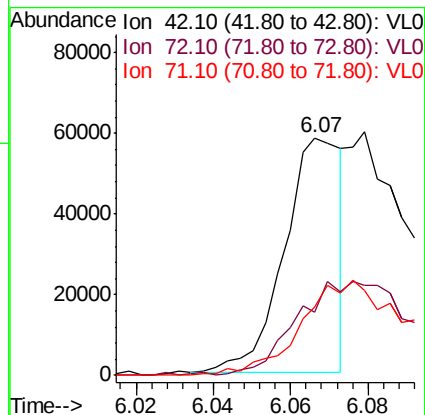
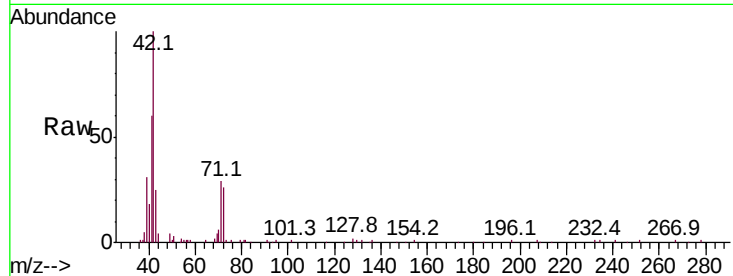
Tot Ion: 42 Resp: 59935

Ion Ratio Lower Upper

42 100

72 96.4 32.2 48.4#

71 0.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.056 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.04 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

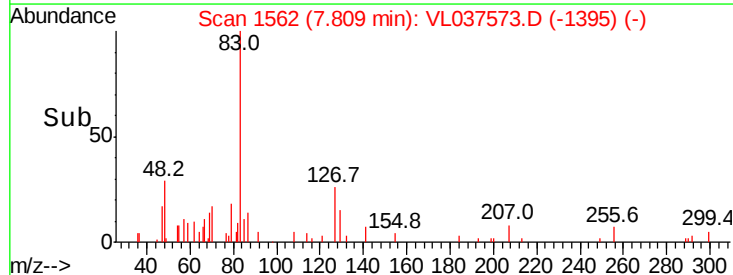
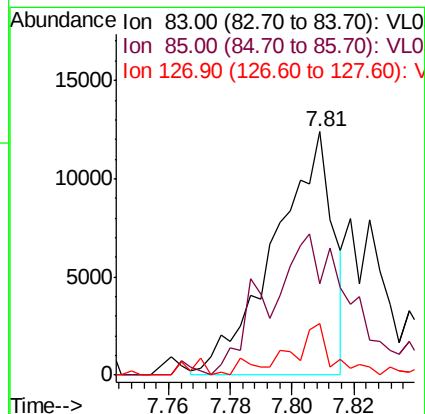
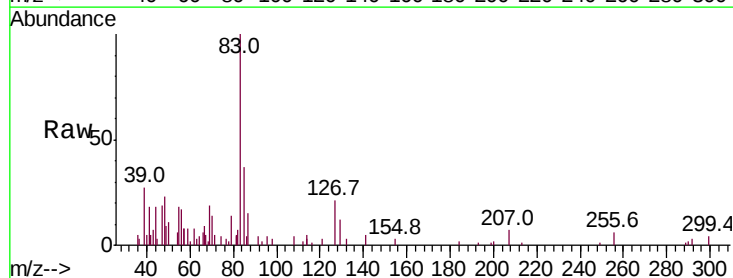
Tgt Ion: 83 Resp: 16318

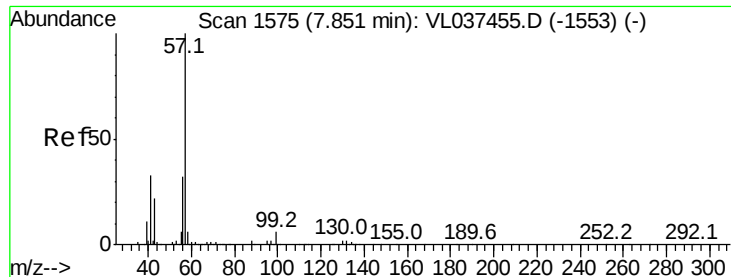
Ion Ratio Lower Upper

83 100

85 34.7 49.5 74.3#

127 19.4 6.3 9.5#





#44

2,2,4-Trimethylpentane

Concen: 0.095 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

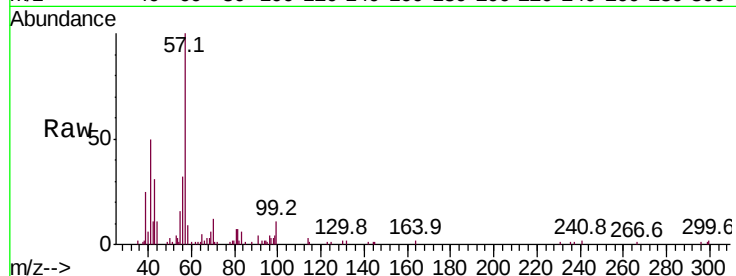
Tot Ion: 57 Resp: 64564

Ion Ratio Lower Upper

57 100

41 61.5 26.2 39.4#

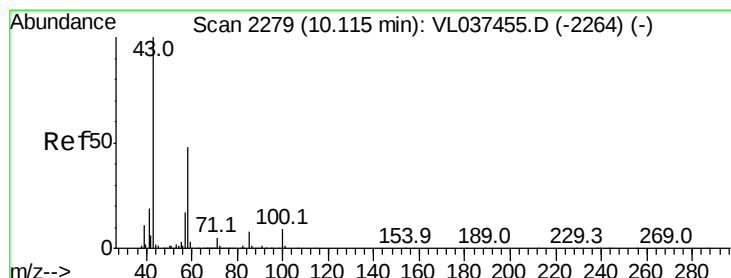
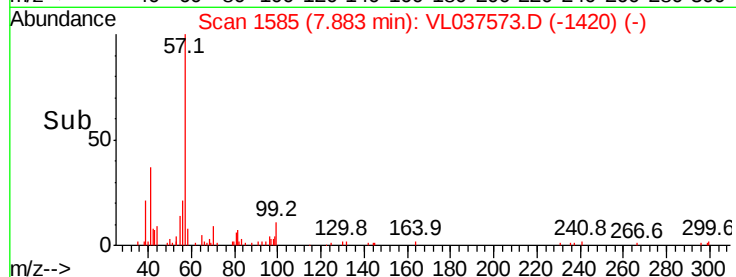
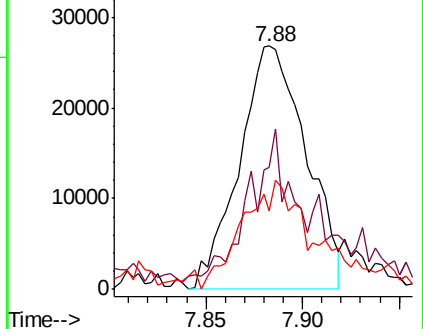
56 55.5 25.4 38.2#



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



#51

2-Hexanone

Concen: 0.075 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.05 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

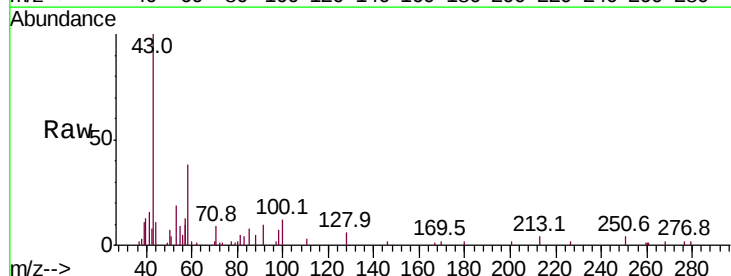
Tgt Ion: 43 Resp: 8886

Ion Ratio Lower Upper

43 100

58 0.0 41.0 61.6#

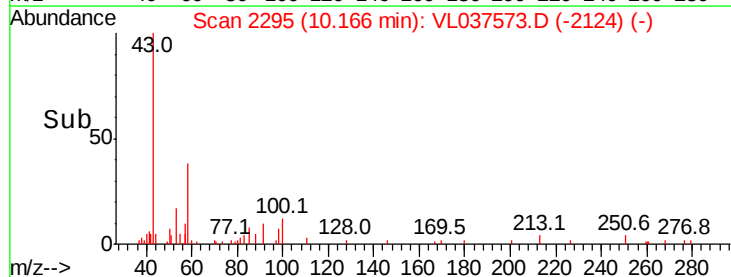
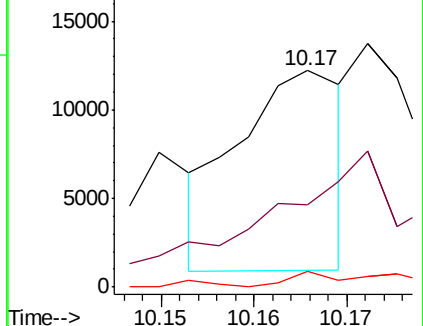
98 11.5 0.3 0.5#

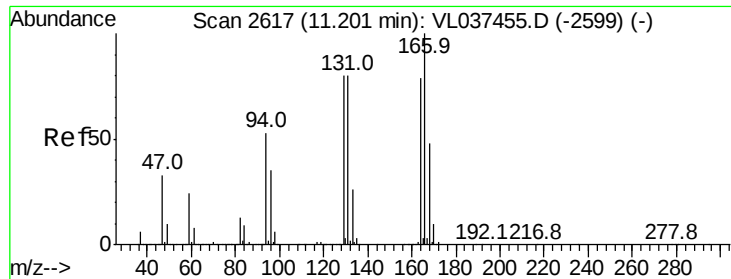


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 0.075 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.05 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampled :

IA-1

Tot Ion:164 Resp: 12399

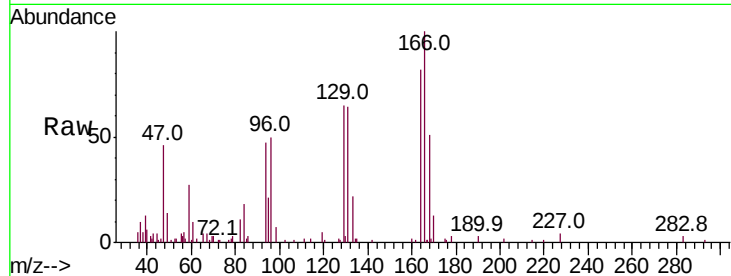
Ion Ratio Lower Upper

164 100

166 117.3 100.7 151.1

129 76.0 80.9 121.3#

131 83.7 80.2 120.4

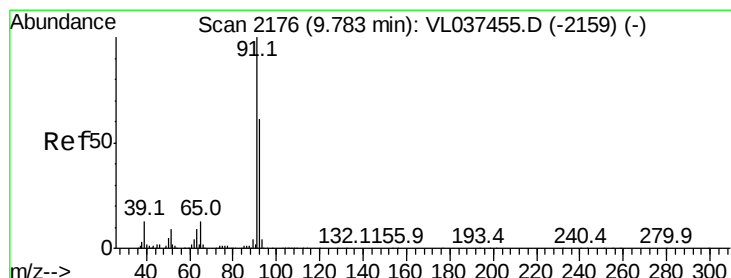
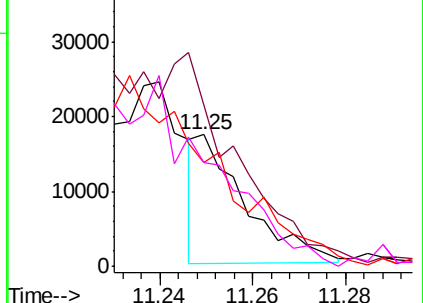
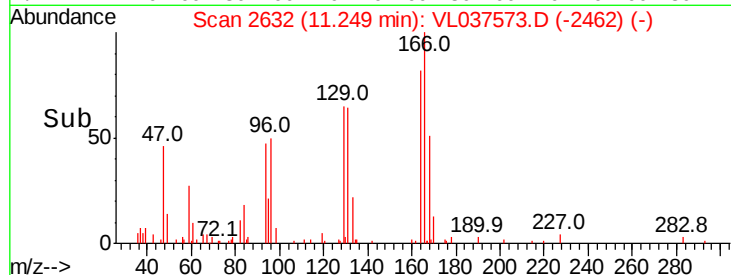


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.797 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL037573.D

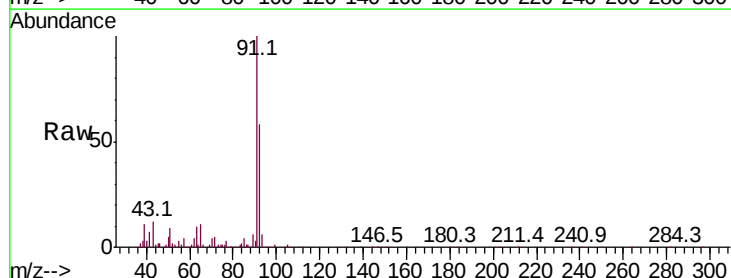
Acq: 8 Sep 2021 15:37

Tgt Ion: 91 Resp: 368529

Ion Ratio Lower Upper

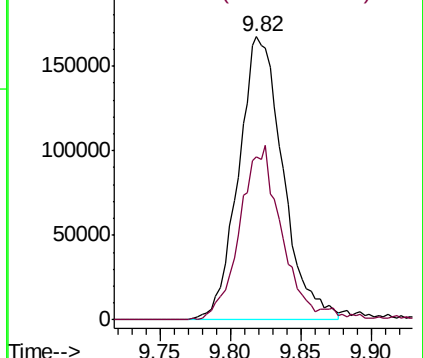
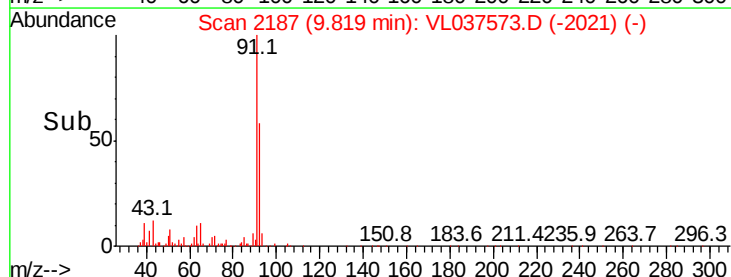
91 100

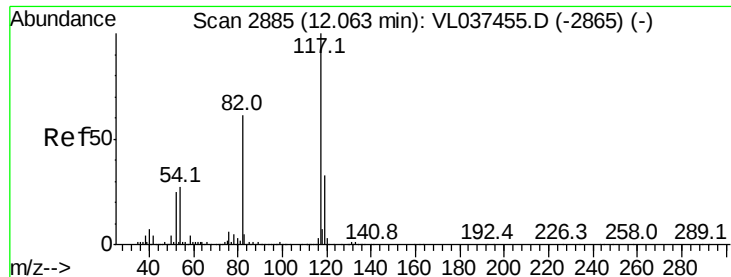
92 59.1 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

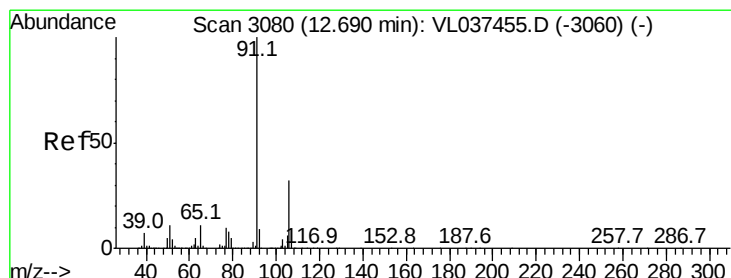
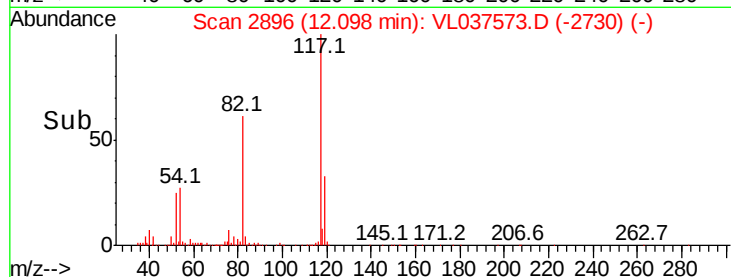
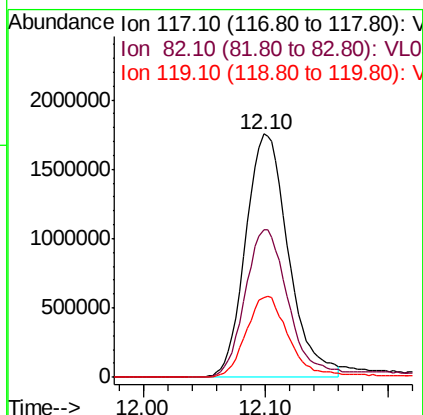
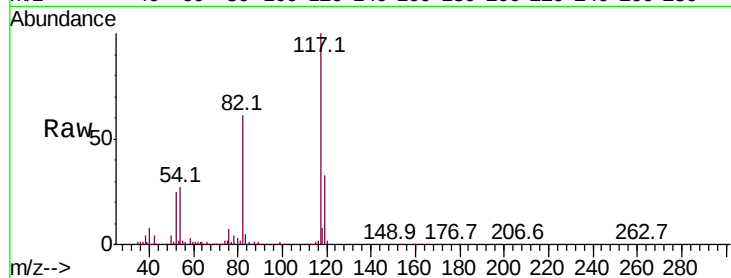




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

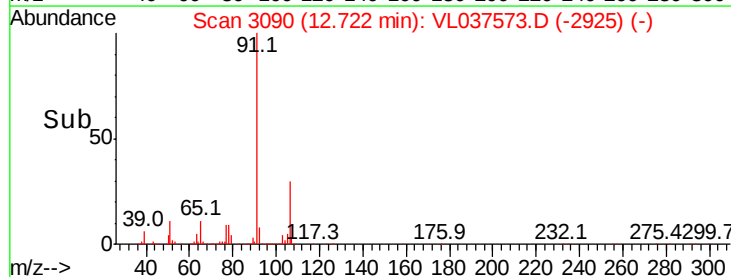
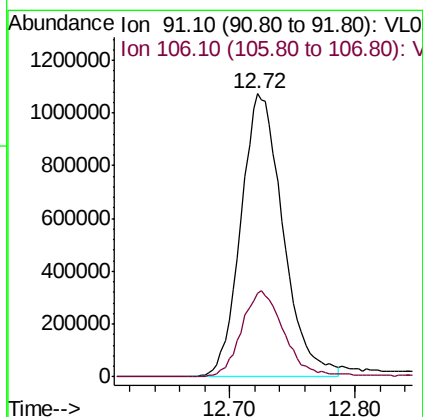
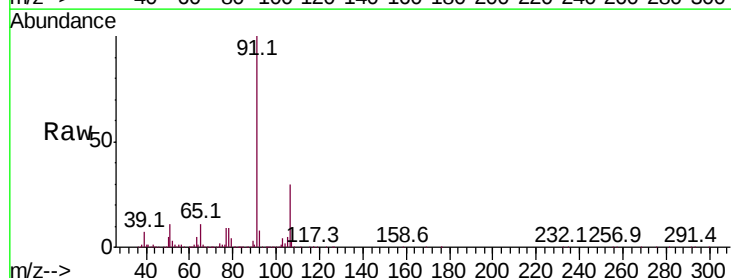
Instrument :
MSVOA_L
ClientSampled :
IA-1

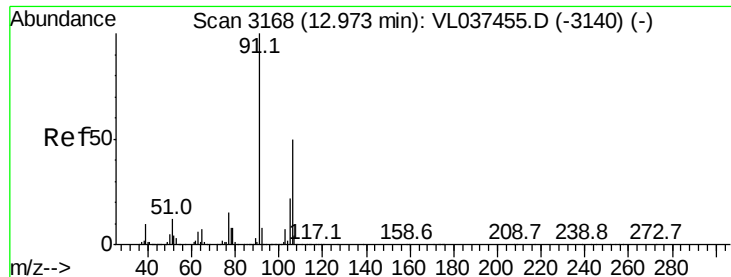
Tot Ion:117 Resp: 4251072
Ion Ratio Lower Upper
117 100
82 66.5 52.9 79.3
119 33.9 24.8 37.2



#58
Ethyl Benzene
Concen: 4.248 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion: 91 Resp: 2506035
Ion Ratio Lower Upper
91 100
106 29.6 25.7 38.5

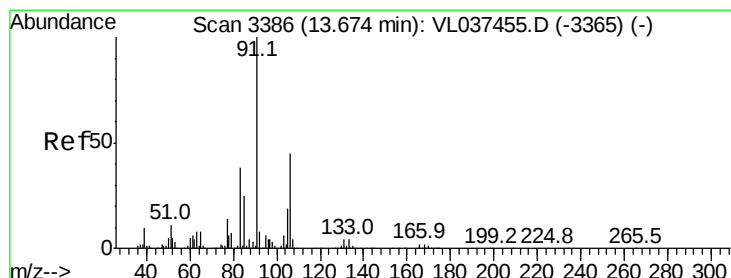
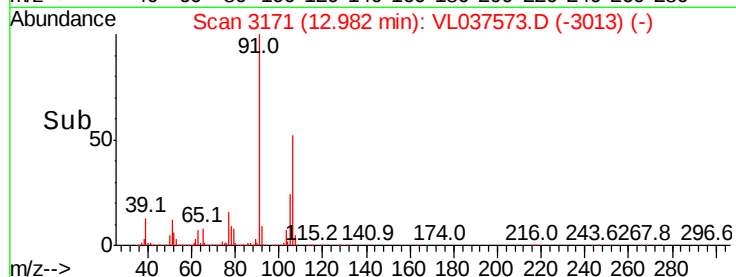
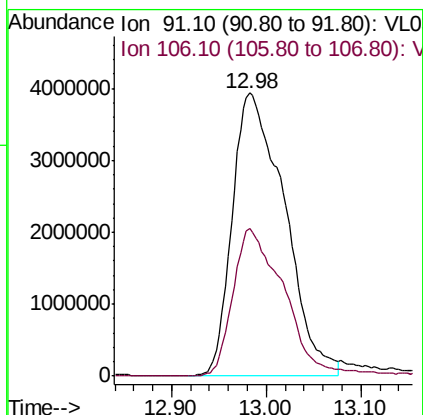
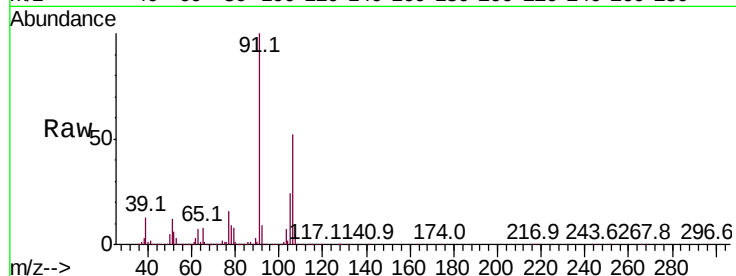




#59
m/p-Xylene
Concen: 29.352 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

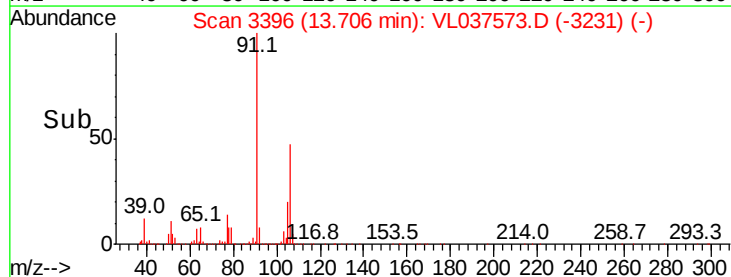
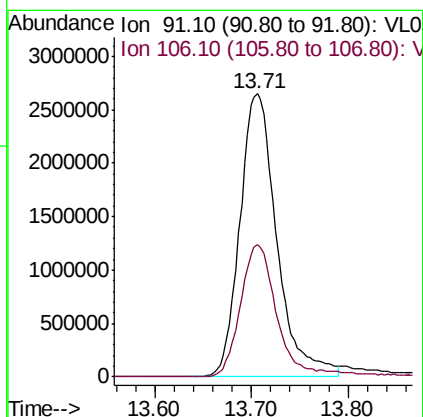
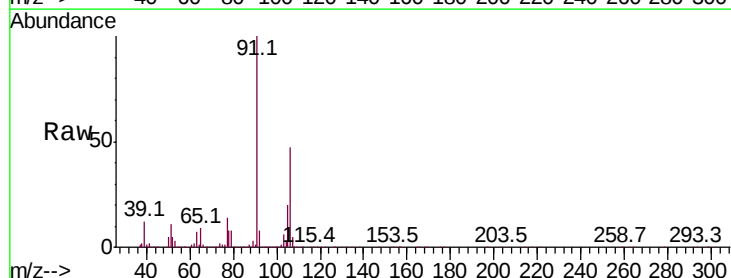
Instrument :
MSVOA_L
ClientSampled :
IA-1

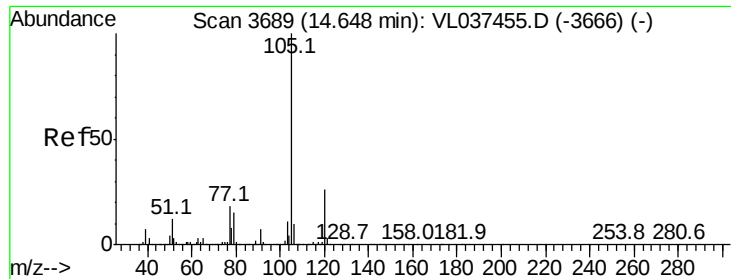
Tot Ion: 91 Resp:15011484
Ion Ratio Lower Upper
91 100
106 52.2 36.9 55.3



#60
o-Xylene
Concen: 14.663 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion: 91 Resp: 6999387
Ion Ratio Lower Upper
91 100
106 47.8 23.7 71.1





#62

Isopropylbenzene

Concen: 0.035 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.04 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampled :

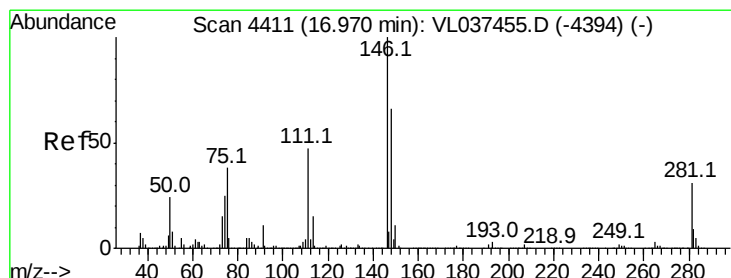
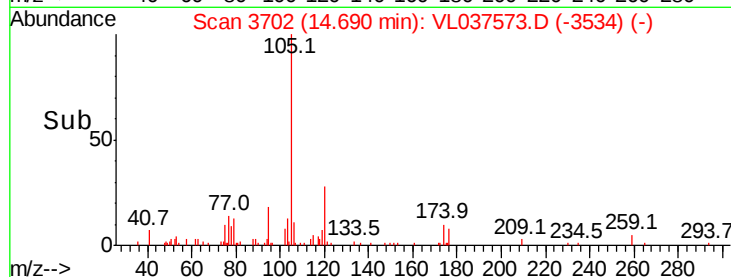
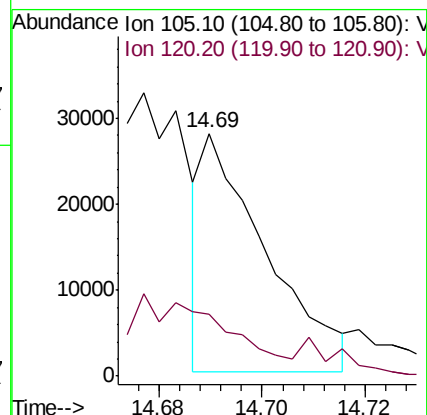
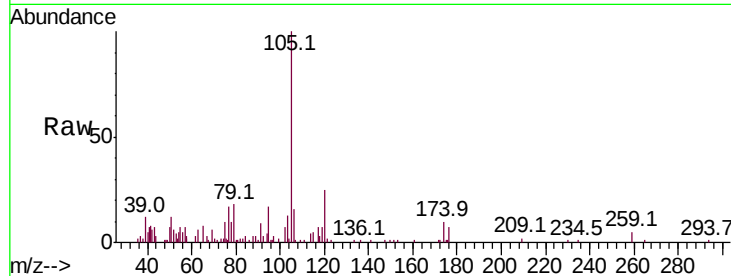
IA-1

Tot Ion:105 Resp: 23692

Ion Ratio Lower Upper

105 100

120 0.0 21.5 32.3#



#66

Benzyl Chloride

Concen: 0.051 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.06 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

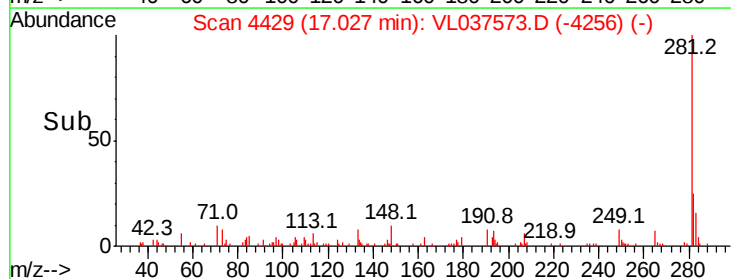
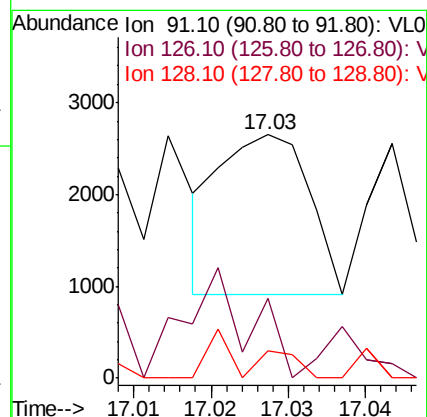
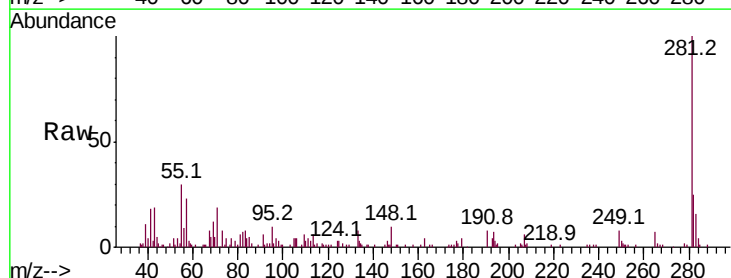
Tgt Ion: 91 Resp: 1407

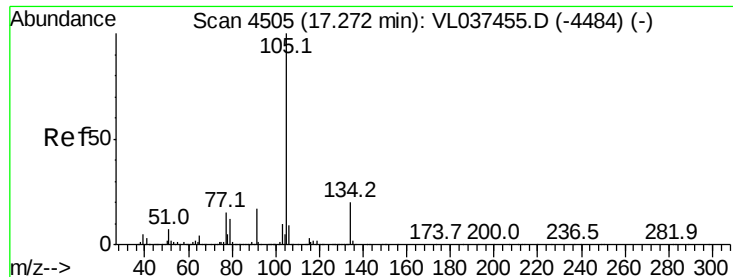
Ion Ratio Lower Upper

91 100

126 62.8 15.9 23.9#

128 19.3 5.4 8.0#





#67

sec-Butylbenzene

Concen: 0.045 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.03 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

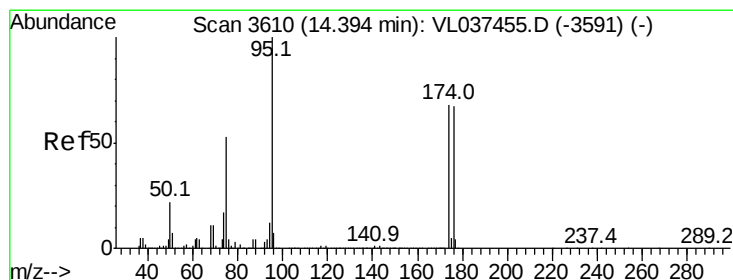
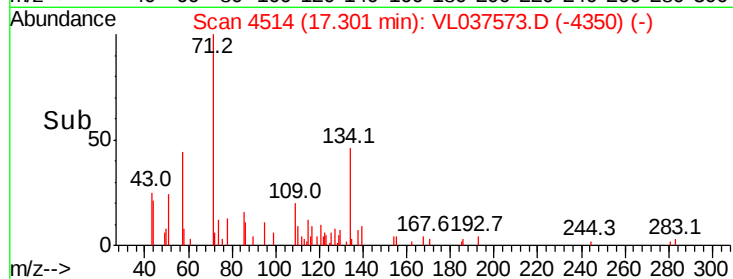
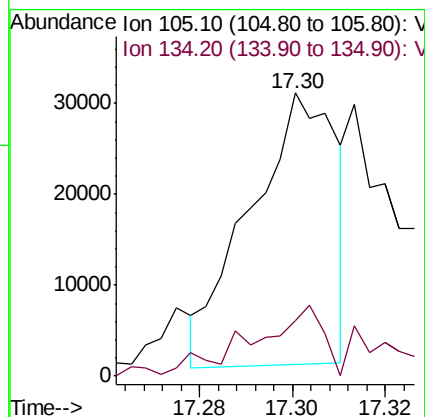
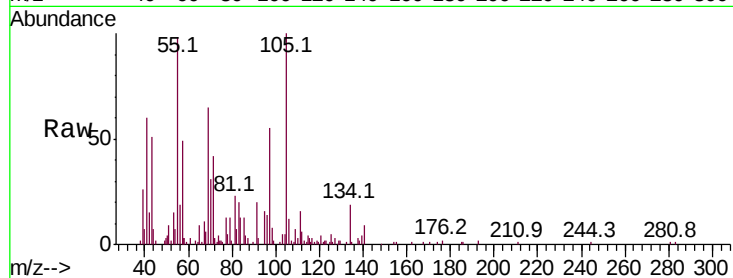
IA-1

Tot Ion:105 Resp: 38569

Ion Ratio Lower Upper

105 100

134 33.5 15.2 22.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.231 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

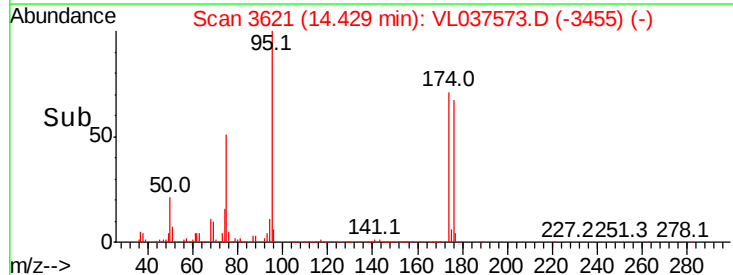
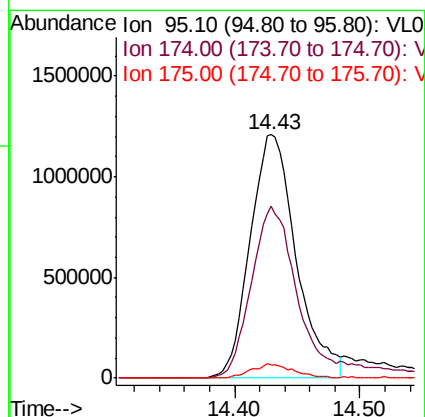
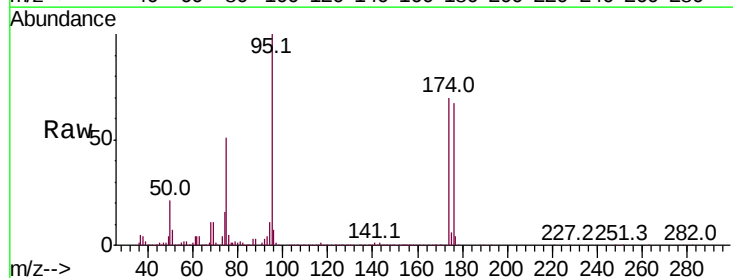
Tgt Ion: 95 Resp: 3089987

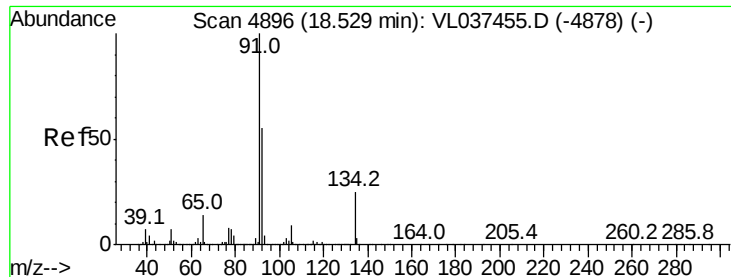
Ion Ratio Lower Upper

95 100

174 77.6 59.6 89.4

175 6.0 4.6 7.0

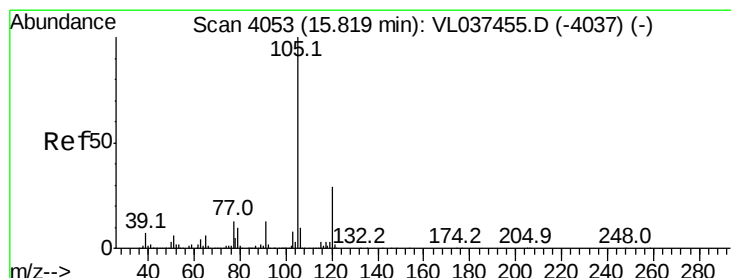
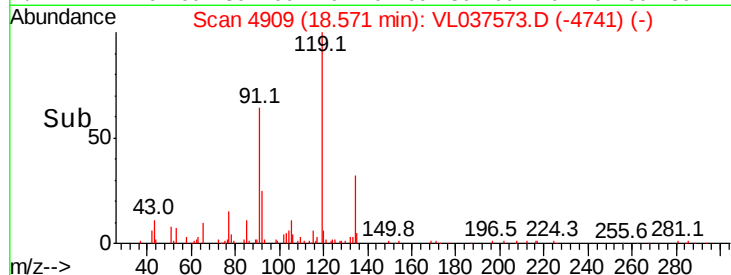
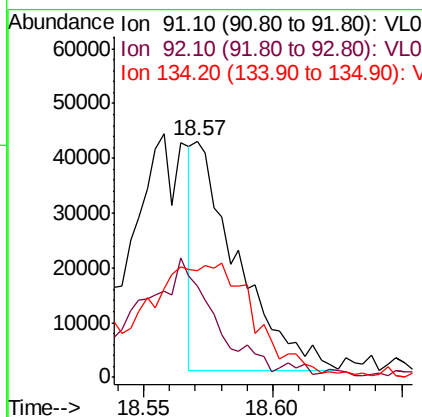
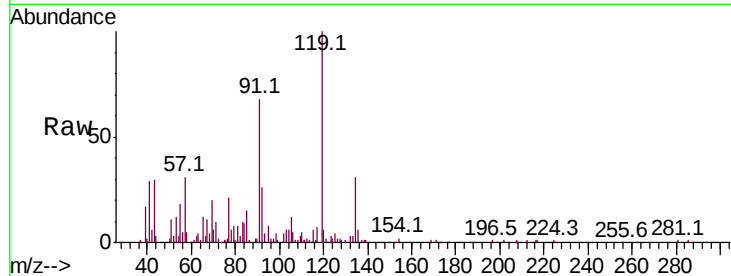




#70
n-Butylbenzene
Concen: 0.075 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. 0.04 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

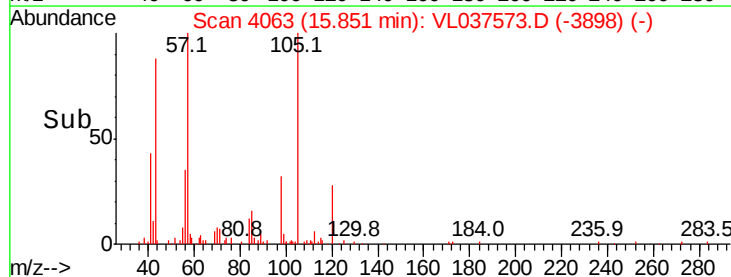
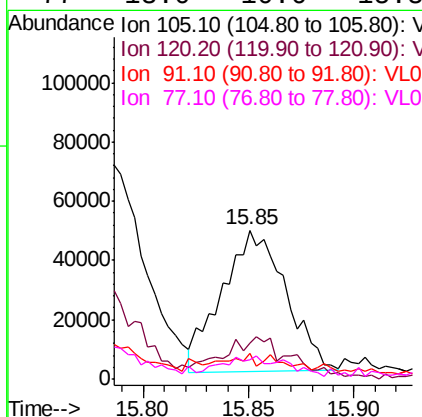
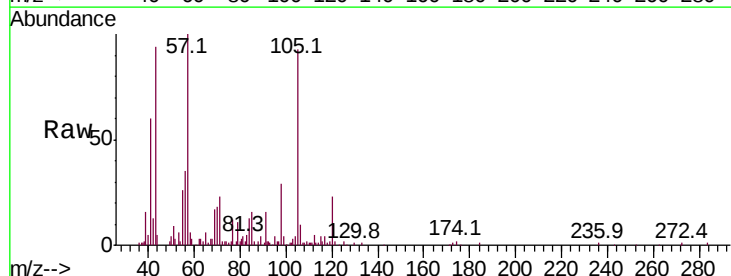
Instrument :
MSVOA_L
ClientSampled :
IA-1

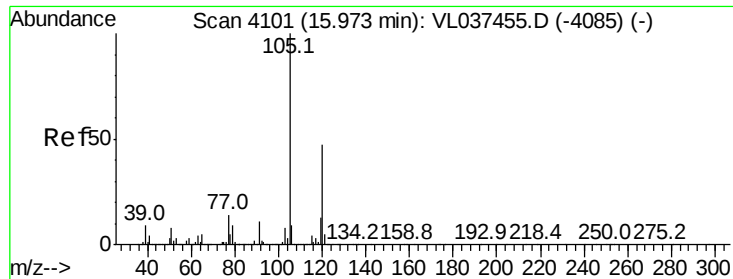
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.0	66.0#
134	153.0	19.5	29.3#



#72
4-Ethyltoluene
Concen: 0.176 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. 0.03 min
Lab File: VL037573.D
Acq: 8 Sep 2021 15:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	34.5	24.7	37.1
91	17.9	9.8	14.8#
77	13.0	10.6	15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.080 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.04 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampled :

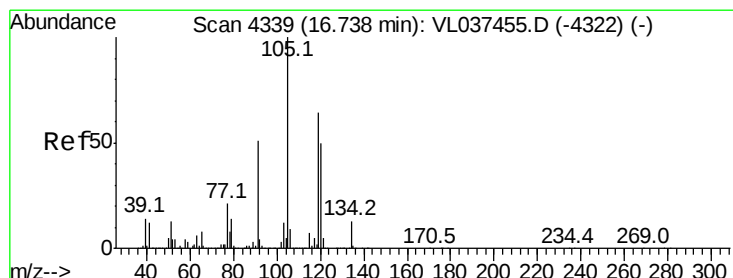
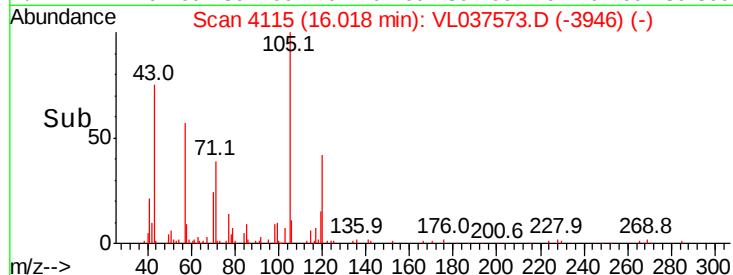
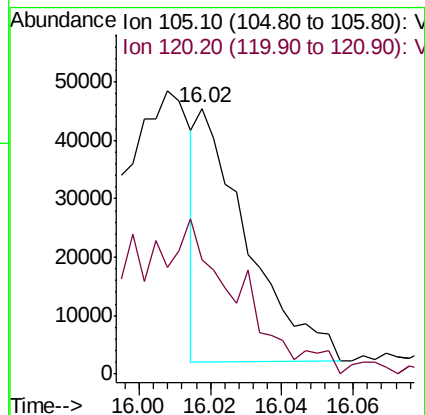
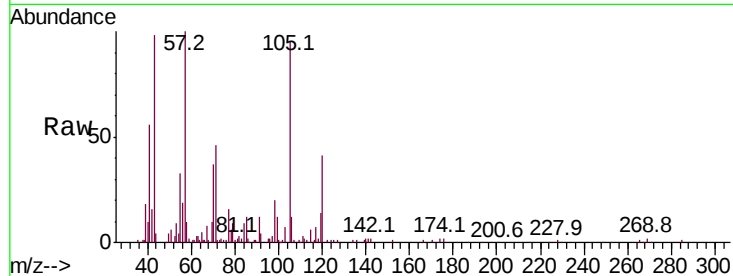
IA-1

Tot Ion:105 Resp: 42347

Ion Ratio Lower Upper

105 100

120 44.6 37.6 56.4



#74

1,2,4-Trimethylbenzene

Concen: 0.716 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.04 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Tgt Ion:105 Resp: 401994

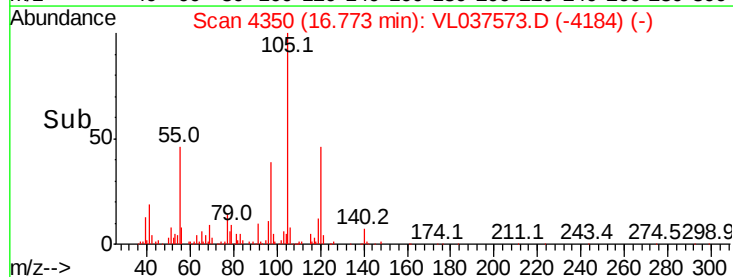
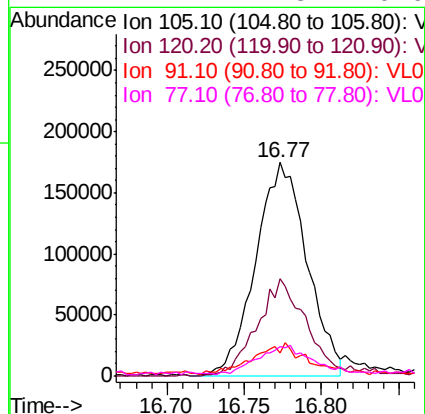
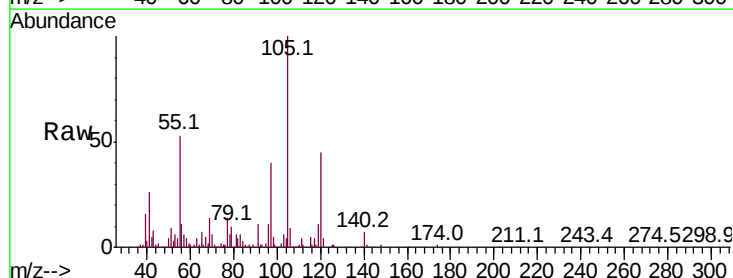
Ion Ratio Lower Upper

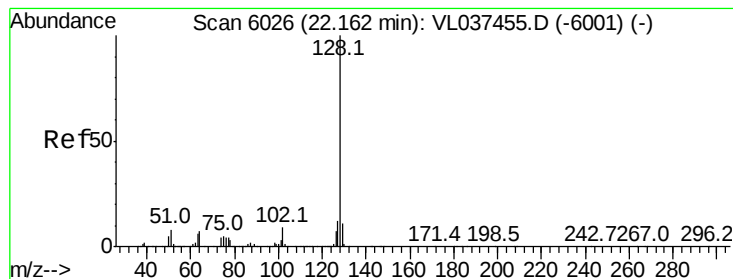
105 100

120 45.3 40.4 60.6

91 9.6 44.6 67.0#

77 12.1 17.8 26.6#





#79

Naphthalene

Concen: 0.092 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. 0.05 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

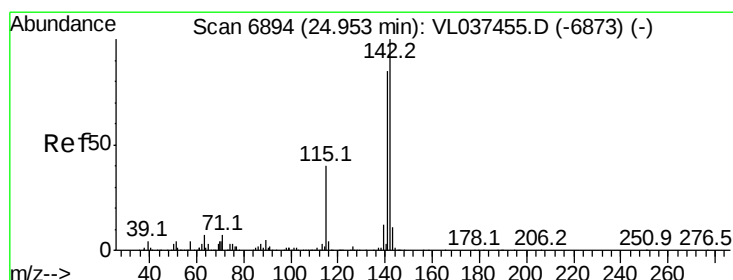
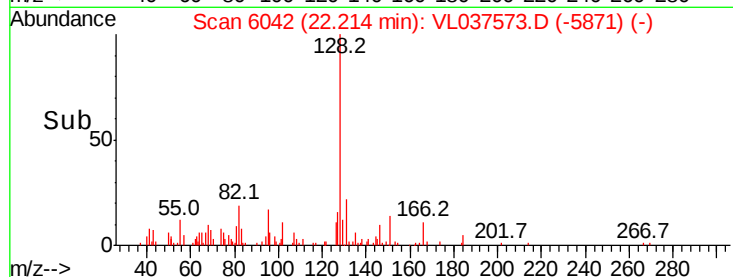
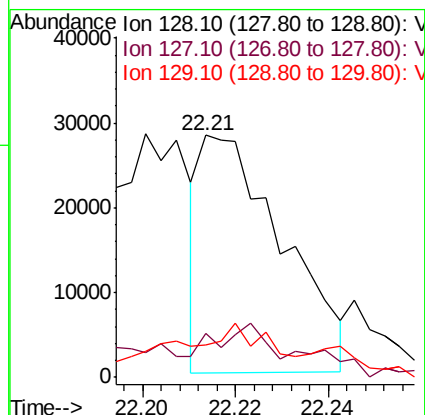
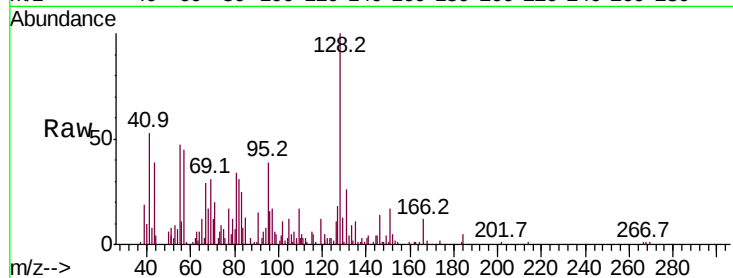
Tot Ion:128 Resp: 34405

Ion Ratio Lower Upper

128 100

127 15.4 9.4 14.2#

129 2.1 8.8 13.2#



#80

Naphthalene, 2-methyl-

Concen: 0.036 ppbv

RT: 25.08 min Scan# 6934

Delta R.T. 0.13 min

Lab File: VL037573.D

Acq: 8 Sep 2021 15:37

Tgt Ion:142 Resp: 3812

Ion Ratio Lower Upper

142 100

141 128.3 64.7 97.1#

115 177.8 28.4 42.6#

