

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037588.D
 Acq On : 9 Sep 2021 1:58
 Operator : SY/AP
 Sample : M3663-06 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3

Quant Time: Sep 09 09:15:32 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	1652969	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4866956	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4313880	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3052928	9.96	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	31293	0.118	ppbv 91
3) Chlorodifluoromethane	2.97	51	2520720	7.964	ppbv # 60
4) Chloromethane	3.14	50	19953	0.176	ppbv # 85
9) Propene	3.03	41	463092	4.089	ppbv # 68
10) Heptane	8.14	43	130482	0.501	ppbv 100
11) Trichlorofluoromethane	3.96	101	31559	0.127	ppbv 99
13) Ethanol	3.61	45	2375250	215.534	ppbv 99
15) Acetone	3.85	43	6612078	39.305	ppbv 97
16) 1,3-Butadiene	3.32	39	116789	1.082	ppbv # 23
17) tert-Butyl alcohol	3.97	59	220598	1.435	ppbv 99
19) Isopropyl Alcohol	3.97	45	6410341	66.514	ppbv 99
20) Methylene Chloride	4.36	84	68795	0.817	ppbv 91
21) Allyl Chloride	4.13	41	58462	0.428	ppbv # 52
23) Vinyl Acetate	5.08	43	46677	0.188	ppbv # 59
25) Ethyl Acetate	5.70	43	387515	0.907	ppbv # 78
26) Hexane	5.70	57	418689	2.005	ppbv # 56
27) Carbon Disulfide	4.56	76	7201	0.039	ppbv # 56
29) Chloroform	5.76	83	345827	1.169	ppbv 99
30) Cyclohexane	7.15	84	6311	0.036	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	290094	1.535	ppbv 99
34) 2-Butanone	5.25	43	569324	2.865	ppbv 95
35) Carbon Tetrachloride	7.03	117	11603	0.040	ppbv # 84
36) Benzene	6.90	78	136108	0.333	ppbv 96
38) Trichloroethene	7.85	130	260436	1.551	ppbv 94
39) 1,2-Dichloropropane	7.24	63	13861	0.088	ppbv # 25
44) 2,2,4-Trimethylpentane	7.89	57	63992	0.093	ppbv # 42
50) 4-Methyl-2-Pentanone	8.76	43	9327	0.036	ppbv # 1
51) 2-Hexanone	10.15	43	38441	0.322	ppbv # 1
52) Tetrachloroethene	11.24	164	3408524	20.330	ppbv 99
53) Toluene	9.82	91	1747619	3.741	ppbv 97
58) Ethyl Benzene	12.72	91	591273	0.988	ppbv 98
59) m/p-Xylene	13.01	91	353575	0.681	ppbv # 30
60) o-Xylene	13.71	91	622432	1.285	ppbv 99
65) tert-Butylbenzene	16.77	119	80468	0.129	ppbv # 59
66) Benzyl Chloride	17.20	91	2604	0.092	ppbv # 49
69) p-Isopropyltoluene	17.66	119	404747	0.571	ppbv 99
70) n-Butylbenzene	18.57	91	31046	0.046	ppbv # 1
71) 2-Chlorotoluene	15.78	91	39820	0.079	ppbv 97
72) 4-Ethyltoluene	15.85	105	355946	0.618	ppbv 98
73) 1,3,5-Trimethylbenzene	16.02	105	54093	0.101	ppbv # 82
74) 1,2,4-Trimethylbenzene	16.77	105	778416	1.366	ppbv # 66

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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

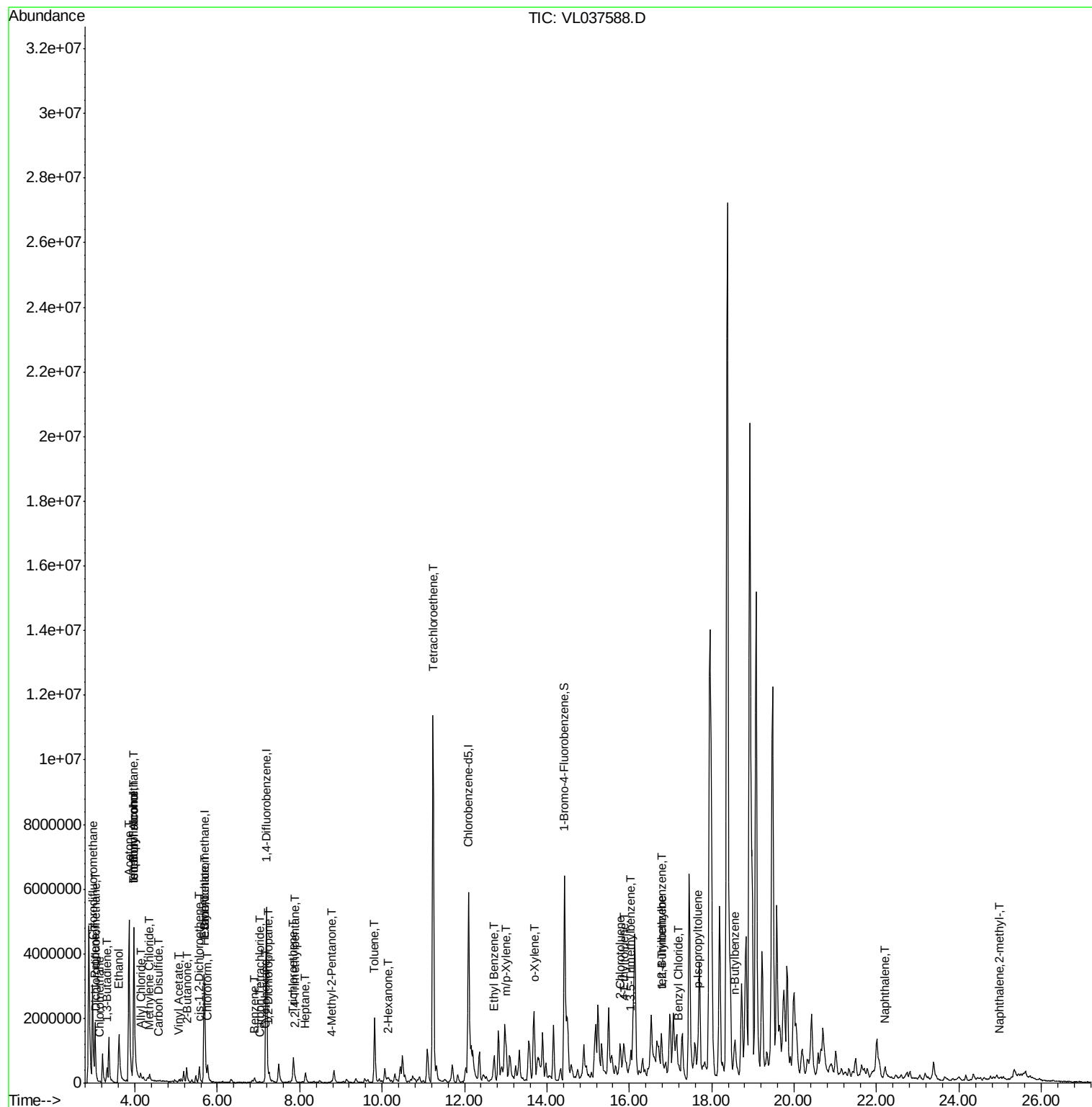
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.22	128	34059	0.089	ppbv #	85
80) Naphthalene,2-methyl-	24.98	142	12092	0.114	ppbv #	73

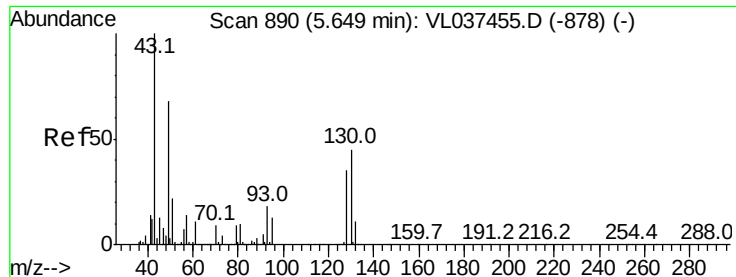
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampled :

SV-3

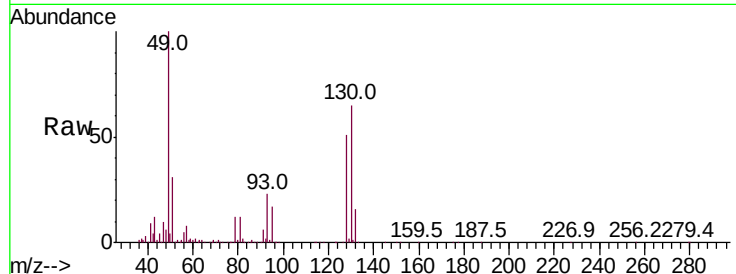
Tot Ion: 49 Resp: 1652969

Ion Ratio Lower Upper

49 100

128 53.3 27.5 82.4

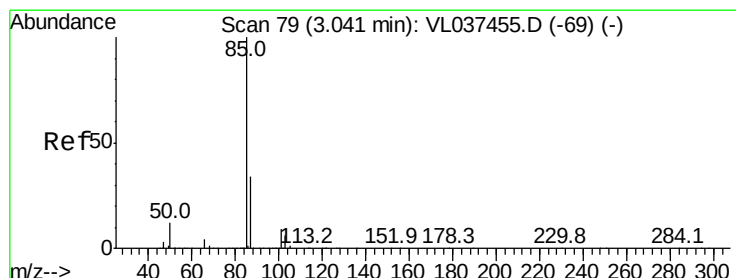
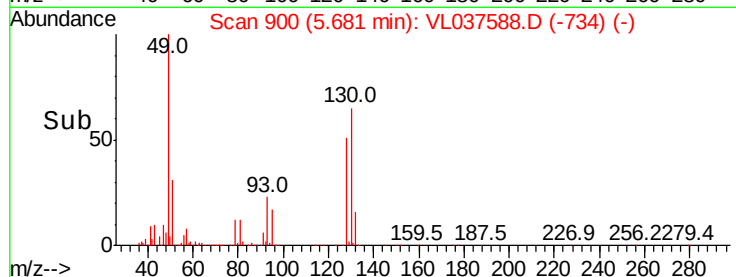
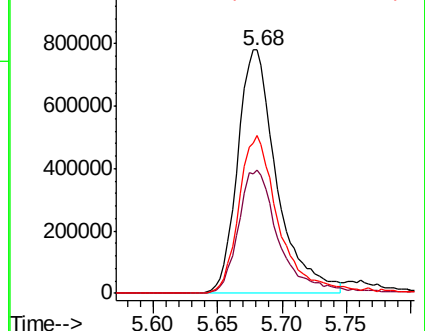
130 67.4 34.0 101.8



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: 0.118 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037588.D

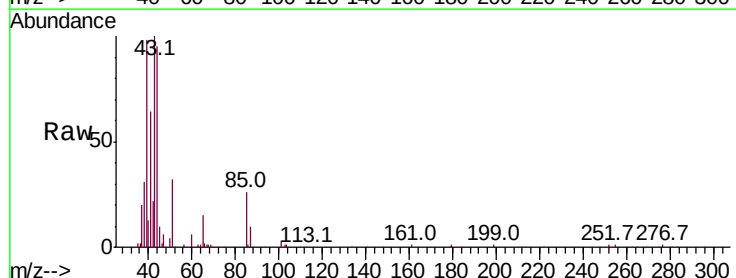
Acq: 9 Sep 2021 1:58

Tgt Ion: 85 Resp: 31293

Ion Ratio Lower Upper

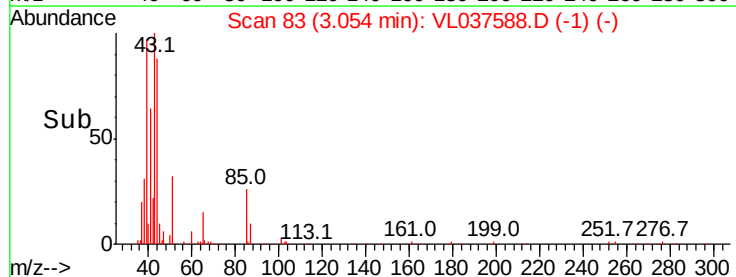
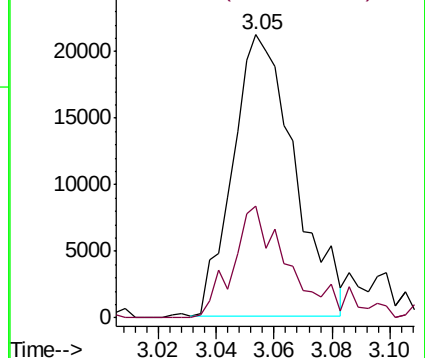
85 100

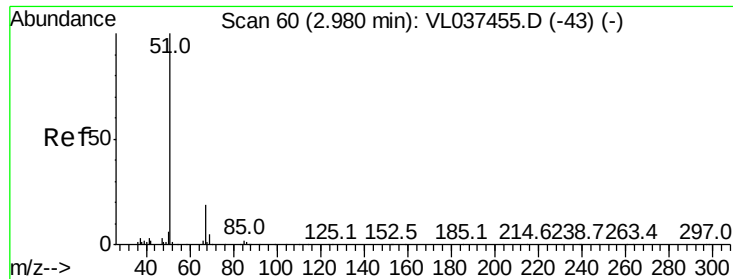
87 40.0 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.964 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

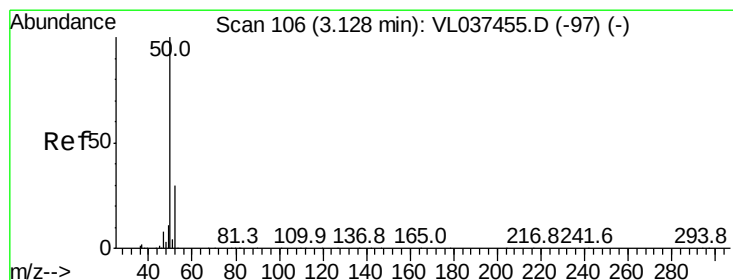
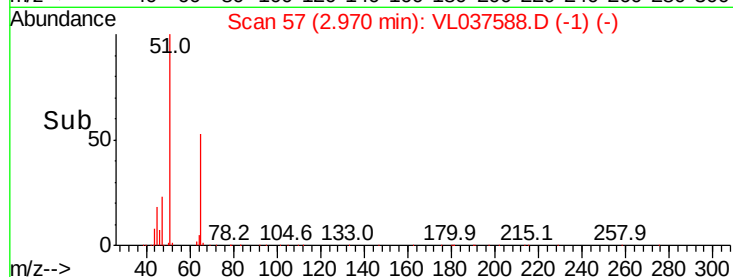
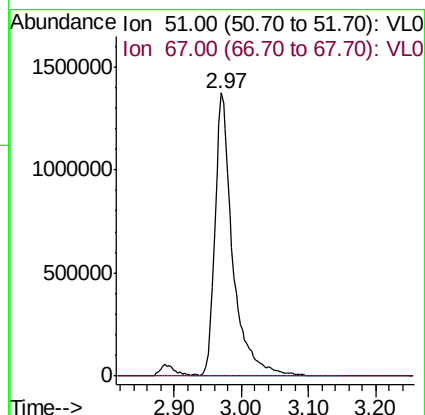
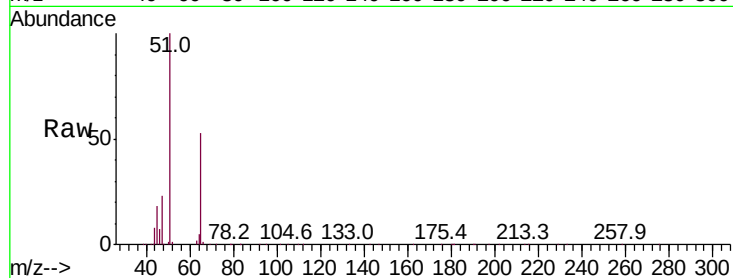
SV-3

Tot Ion: 51 Resp: 2520720

Ion Ratio Lower Upper

51 100

67 0.3 14.2 21.2#



#4

Chloromethane

Concen: 0.176 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.02 min

Lab File: VL037588.D

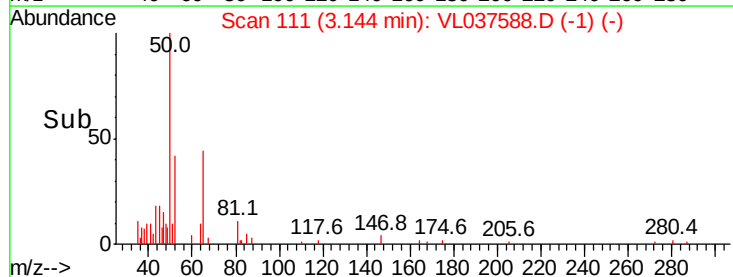
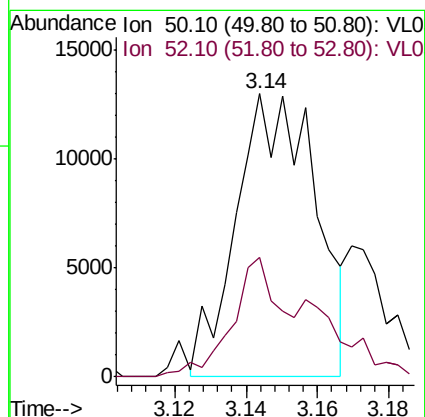
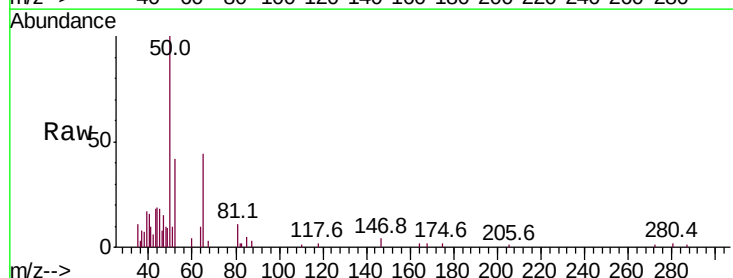
Acq: 9 Sep 2021 1:58

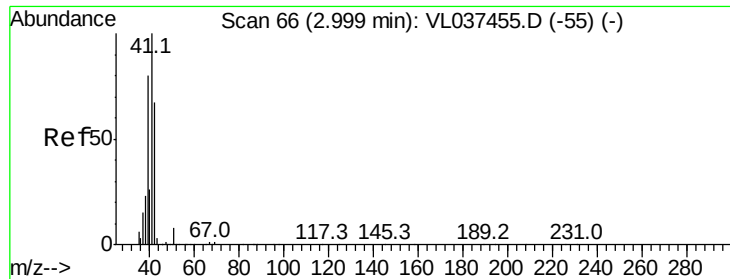
Tgt Ion: 50 Resp: 19953

Ion Ratio Lower Upper

50 100

52 37.9 24.0 36.0#





#9

Propene

Concen: 4.089 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

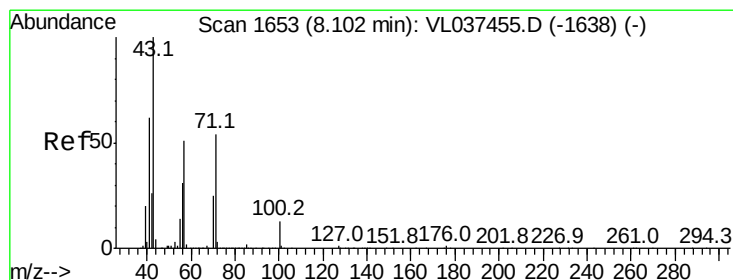
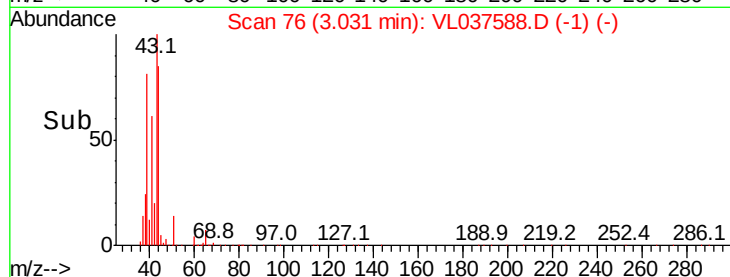
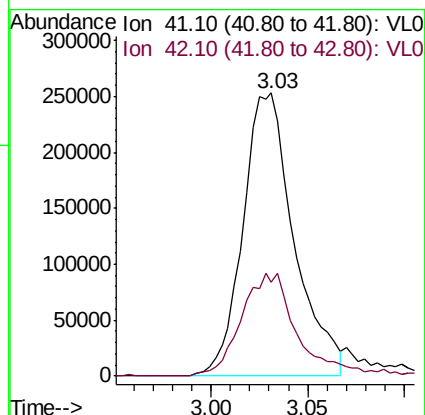
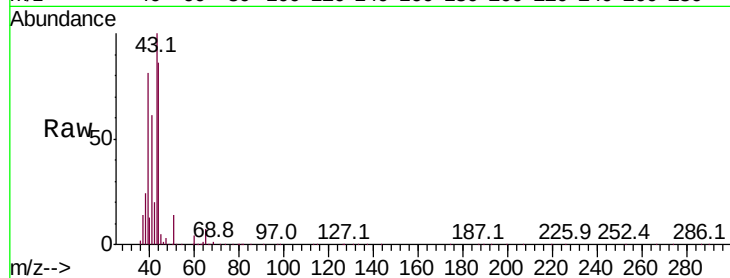
SV-3

Tot Ion: 41 Resp: 463092

Ion Ratio Lower Upper

41 100

42 41.2 53.7 80.5#



#10

Heptane

Concen: 0.501 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037588.D

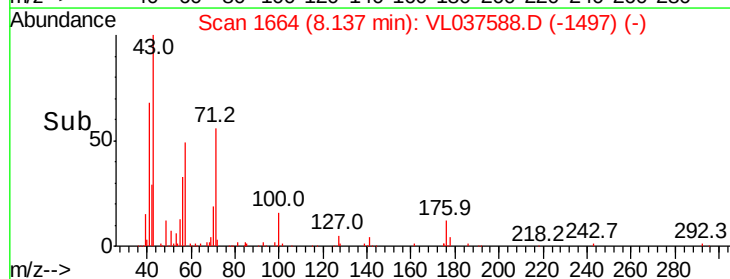
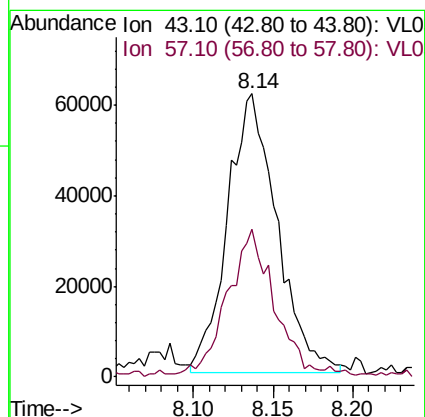
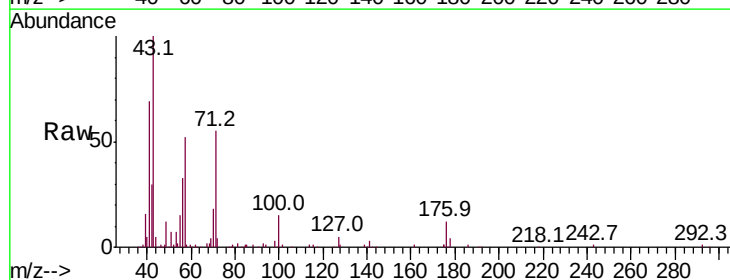
Acq: 9 Sep 2021 1:58

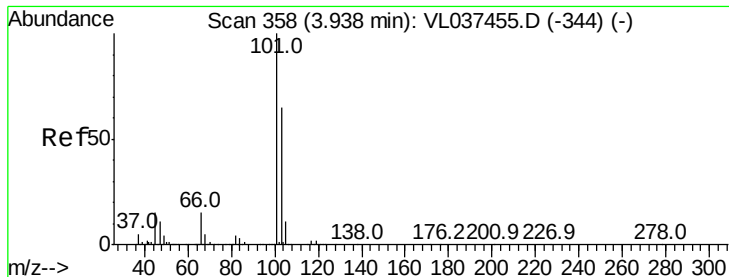
Tgt Ion: 43 Resp: 130482

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6

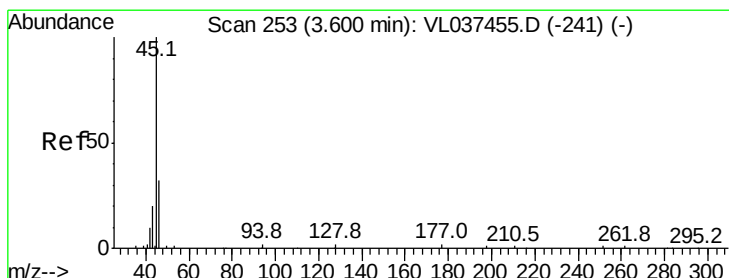
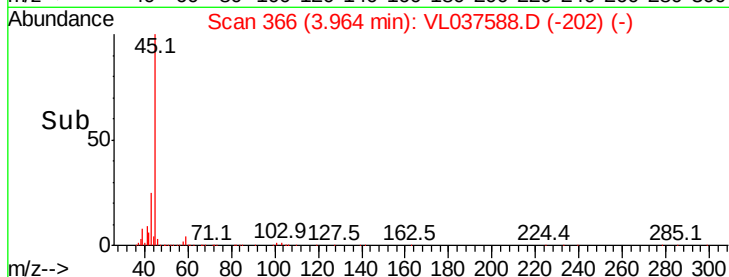
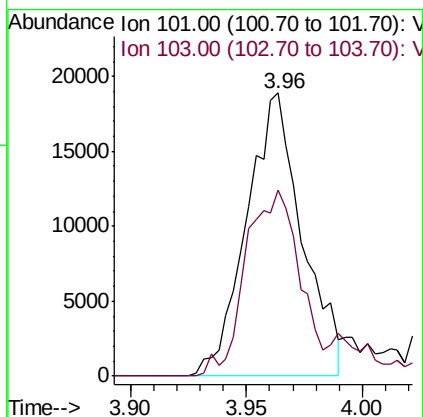
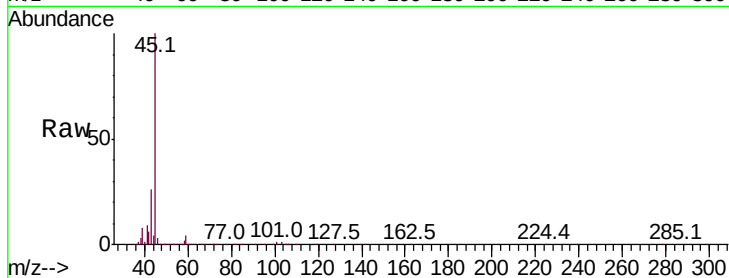




#11
 Trichlorofluoromethane
 Concen: 0.127 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.03 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

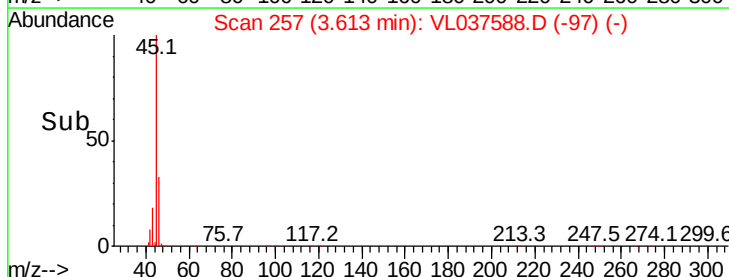
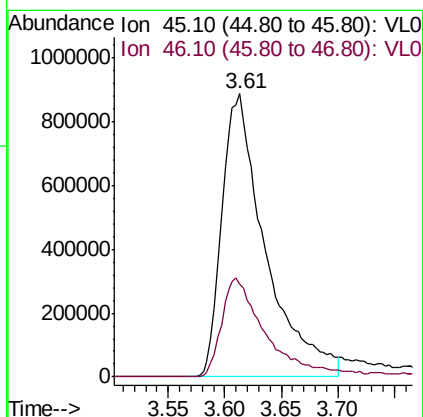
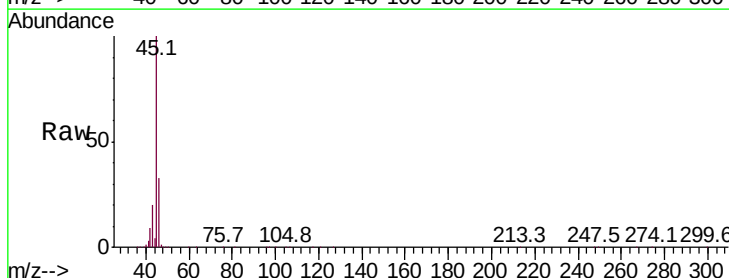
Instrument :
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 ClientSampleId :
 SV-3

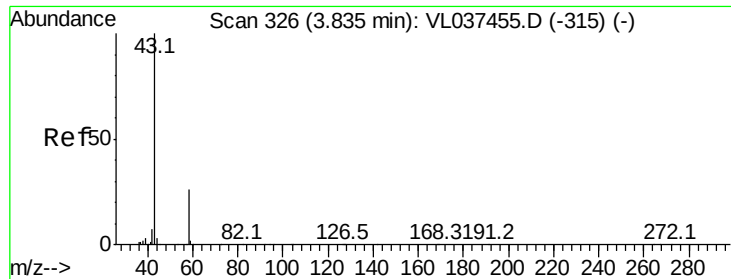
Tot Ion:101 Resp: 31559
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.6



#13
 Ethanol
 Concen: 215.534 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

Tgt Ion: 45 Resp: 2375250
 Ion Ratio Lower Upper
 45 100
 46 35.7 14.1 56.5





#15

Acetone

Concen: 39.305 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

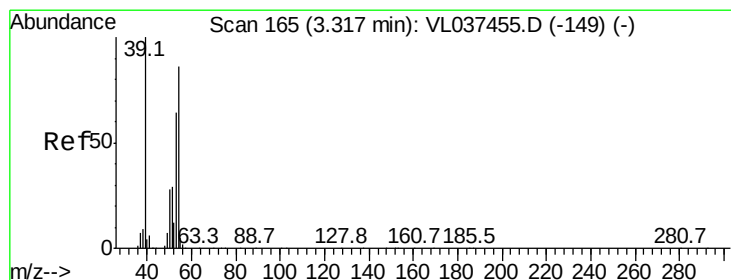
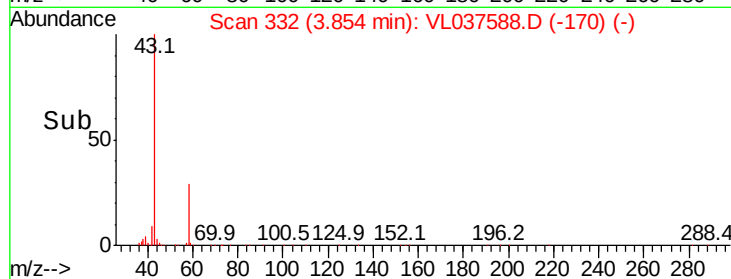
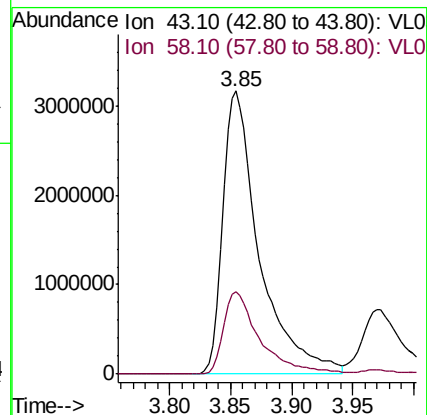
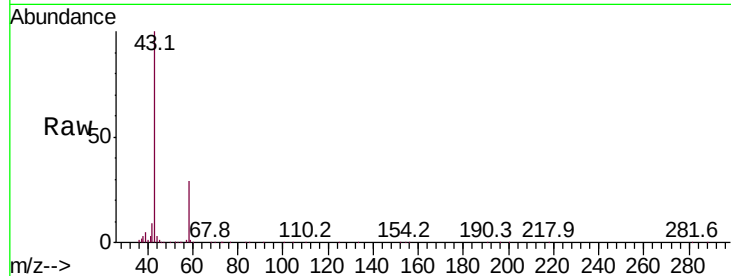
SV-3

Tot Ion: 43 Resp: 6612078

Ion Ratio Lower Upper

43 100

58 29.2 24.8 37.2



#16

1,3-Butadiene

Concen: 1.082 ppbv

RT: 3.32 min Scan# 165

Delta R.T. 0.00 min

Lab File: VL037588.D

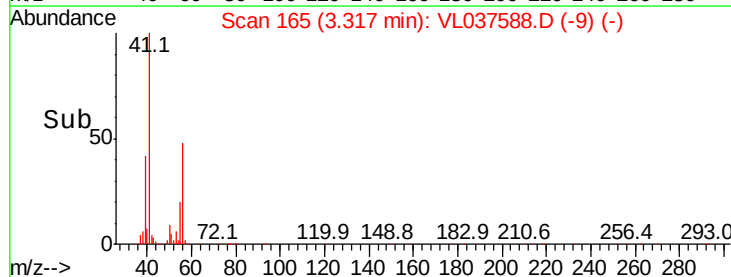
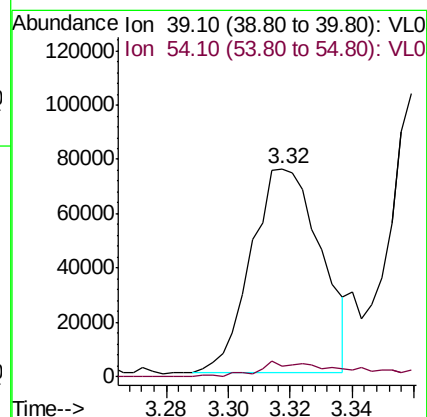
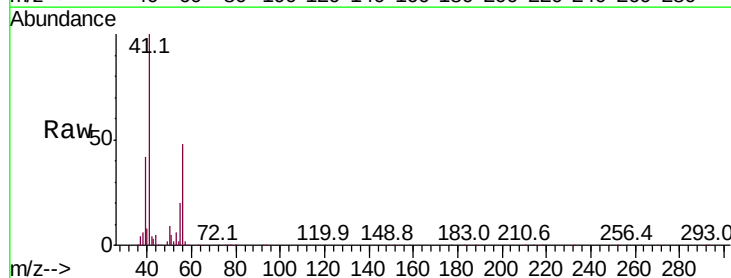
Acq: 9 Sep 2021 1:58

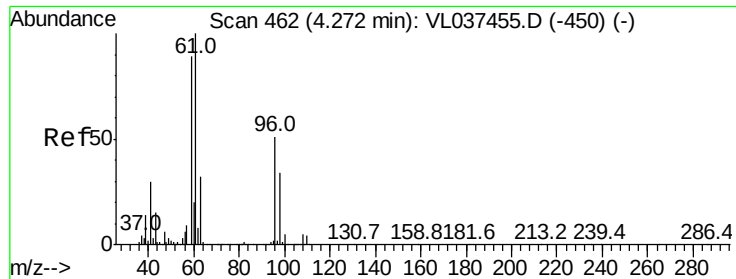
Tgt Ion: 39 Resp: 116789

Ion Ratio Lower Upper

39 100

54 12.1 63.7 95.5#



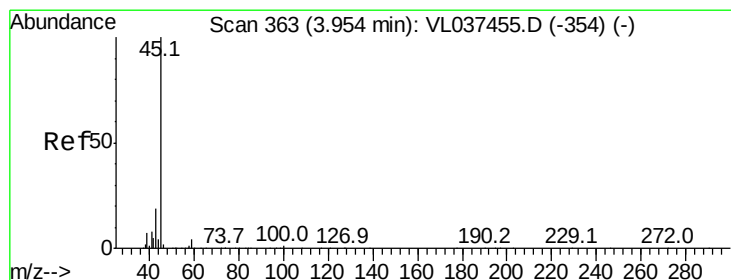
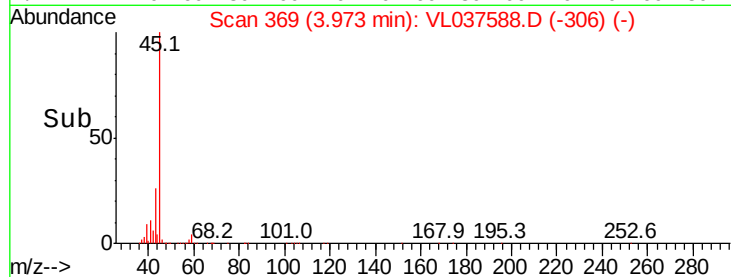
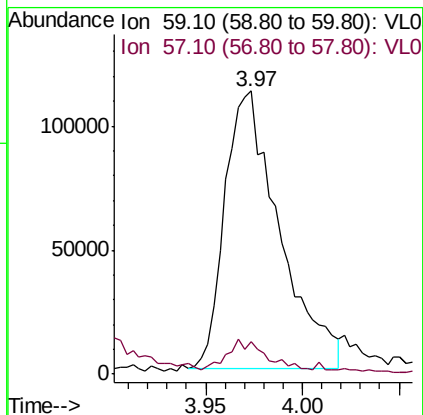
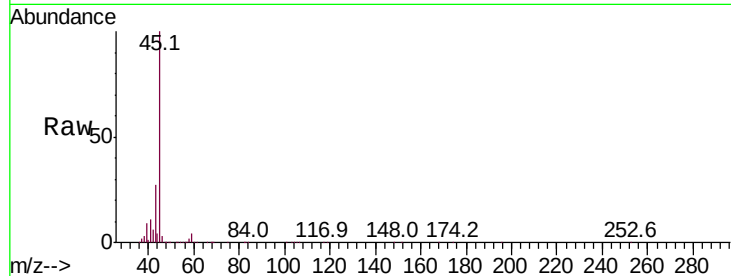


#17

tert-Butyl alcohol
 Concen: 1.435 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. -0.30 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleID :
 SV-3

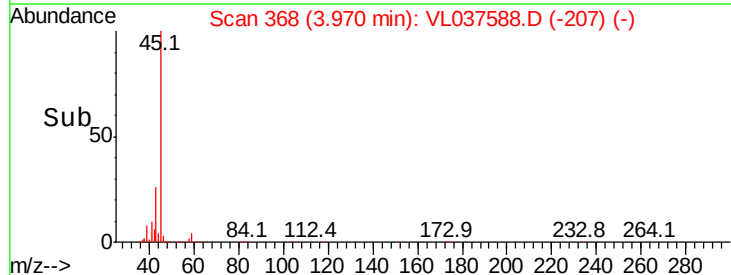
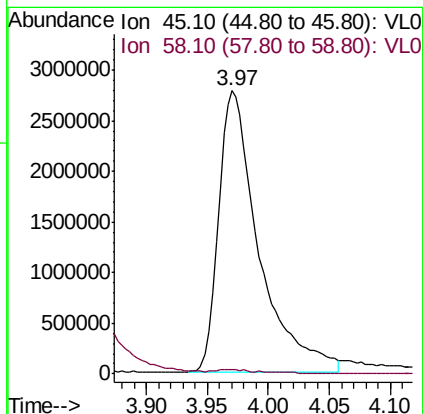
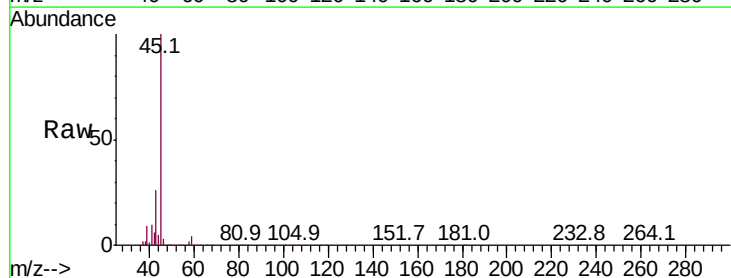
Tot Ion: 59 Resp: 220598
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

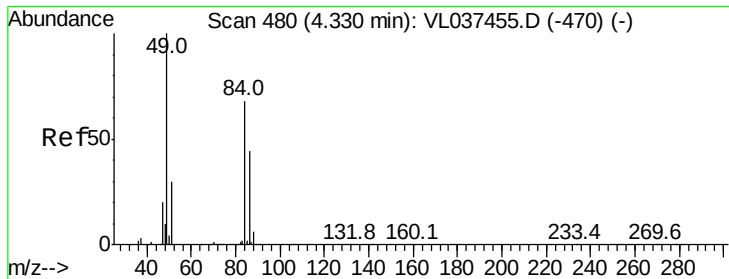


#19

Isopropyl Alcohol
 Concen: 66.514 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

Tgt Ion: 45 Resp: 6410341
 Ion Ratio Lower Upper
 45 100
 58 2.1 1.4 2.2

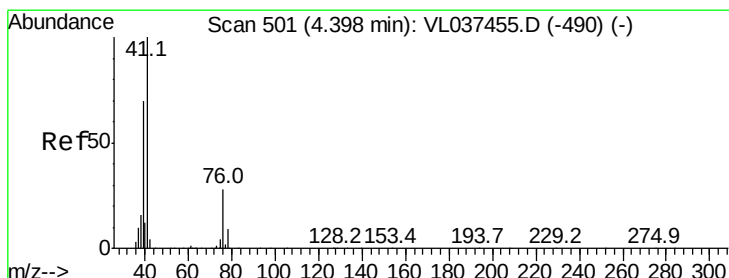
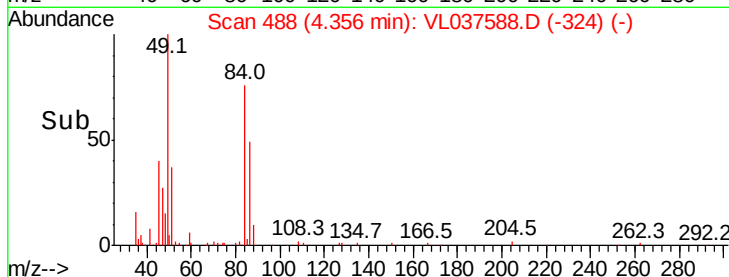
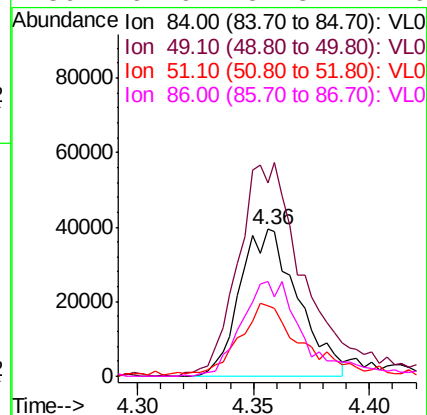
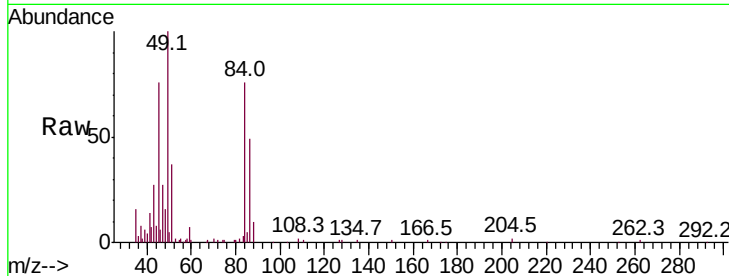




#20
Methylene Chloride
Concen: 0.817 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

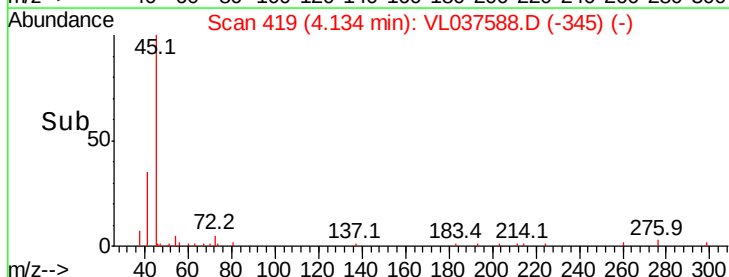
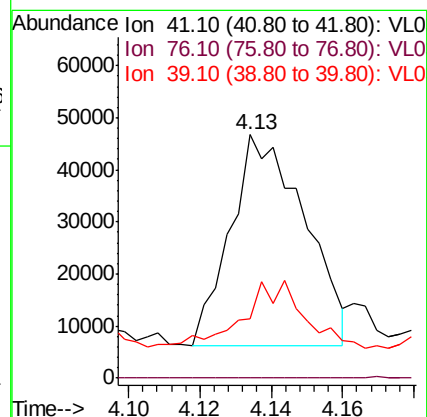
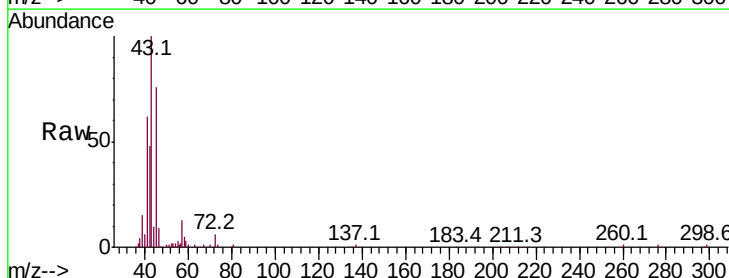
Instrument :
MSVOA_L
ClientSampleId :
SV-3

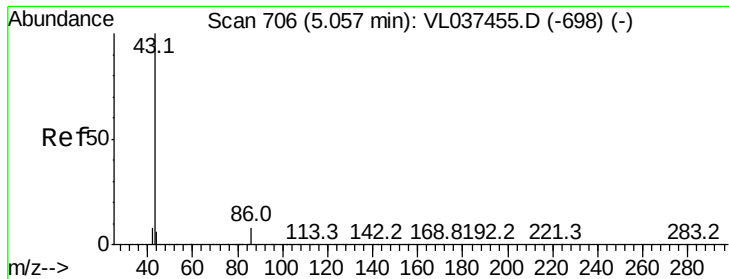
Tot Ion:	84	Resp:	68795
Ion	Ratio	Lower	Upper
84	100		
49	129.0	118.2	177.2
51	45.4	36.6	55.0
86	64.9	51.8	77.6



#21
Allyl Chloride
Concen: 0.428 ppbv
RT: 4.13 min Scan# 419
Delta R.T. -0.26 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion:	41	Resp:	58462
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.8	32.6#
39	32.6	56.8	85.2#





#23

Vinyl Acetate

Concen: 0.188 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampled :

SV-3

Tot Ion: 43 Resp: 46677

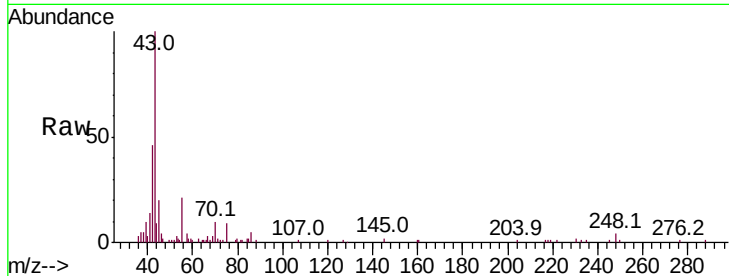
Ion Ratio Lower Upper

43 100

86 5.6 5.7 8.5#

42 39.8 7.4 11.2#

44 0.0 4.3 6.5#

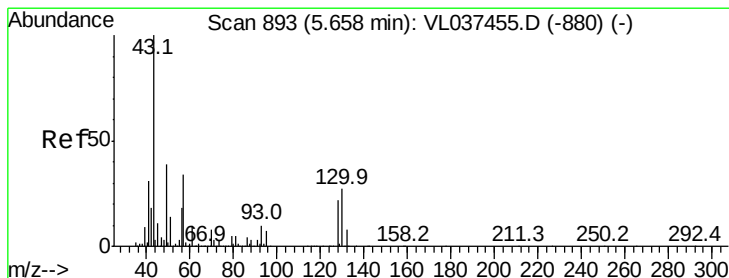
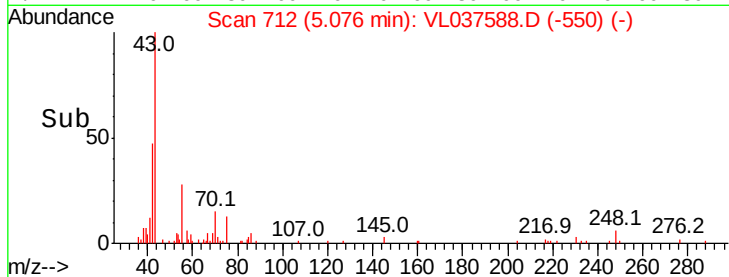
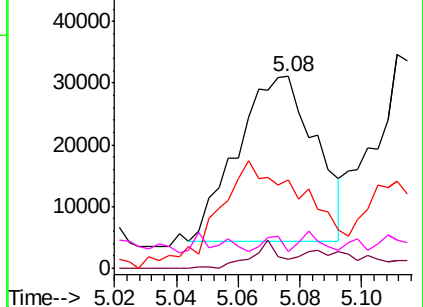


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.907 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.04 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Tgt Ion: 43 Resp: 387515

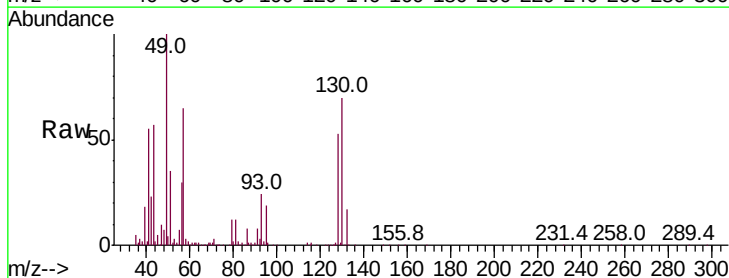
Ion Ratio Lower Upper

43 100

45 25.2 8.0 12.0#

61 6.2 8.0 12.0#

70 3.1 5.6 8.4#

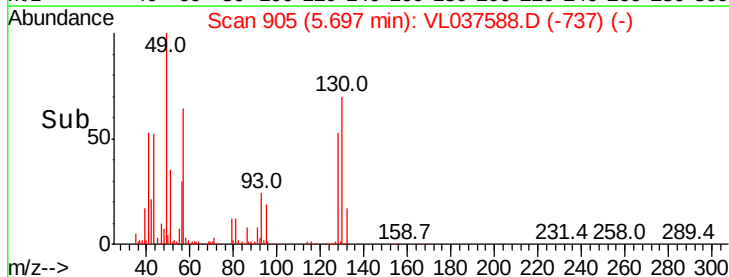
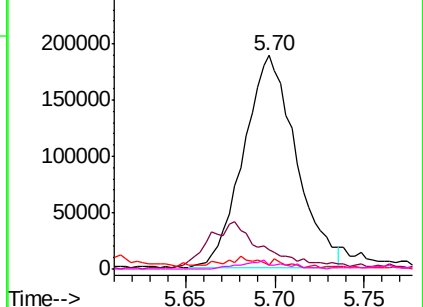


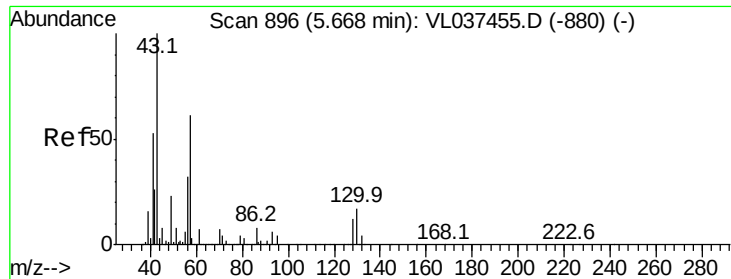
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

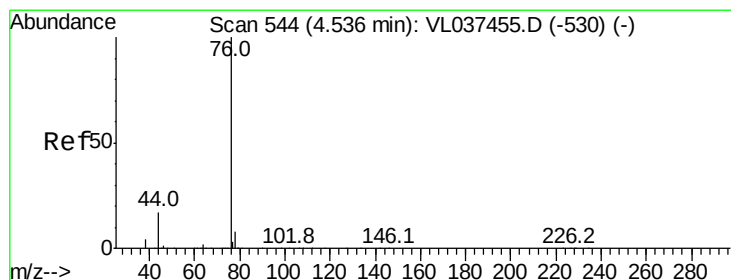
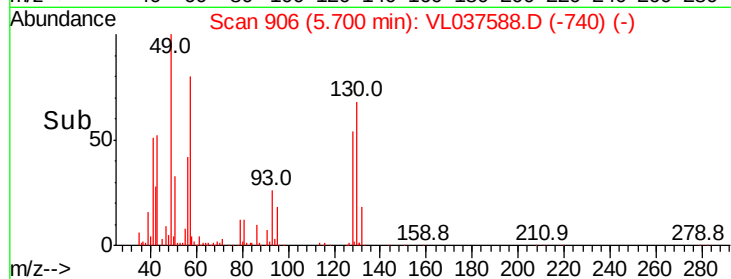
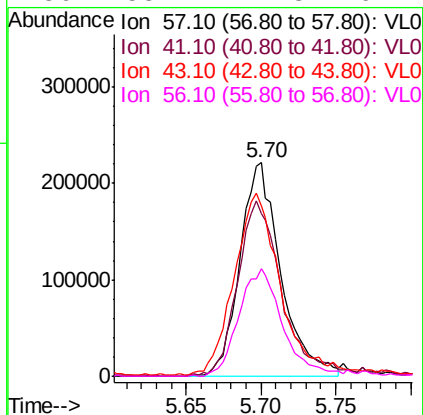
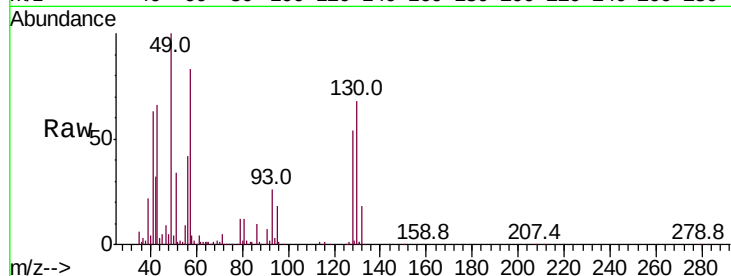




#26
Hexane
Concen: 2.005 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

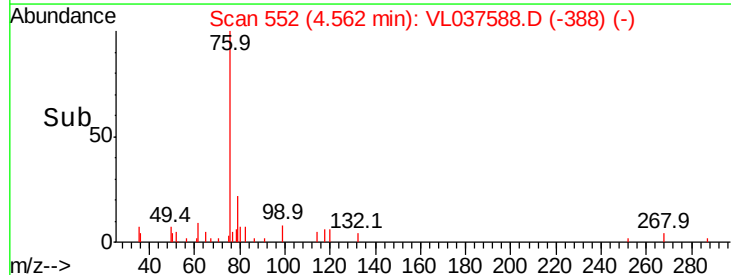
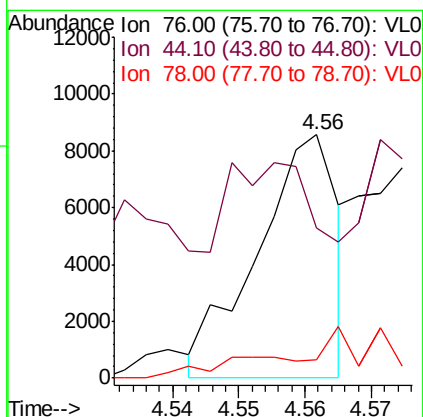
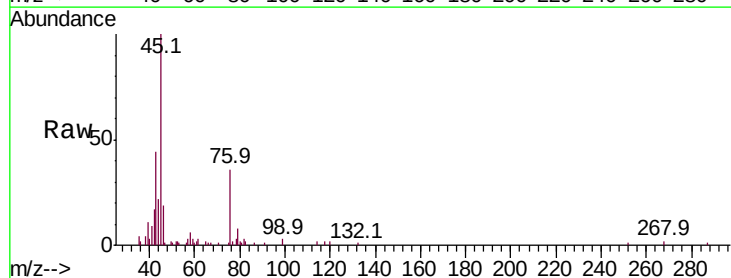
Instrument :
MSVOA_L
ClientSampleId :
SV-3

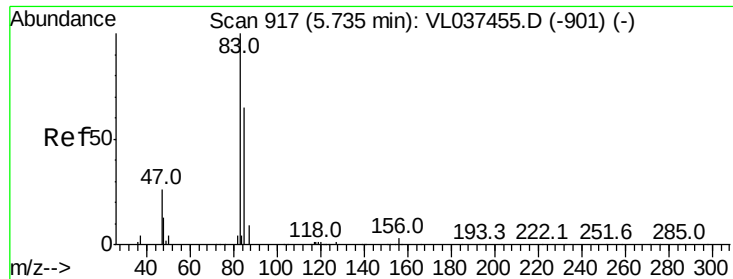
Tot Ion: 57 Resp: 418689
Ion Ratio Lower Upper
57 100
41 90.6 72.3 108.5
43 99.3 172.3 258.5#
56 55.7 42.8 64.2



#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion: 76 Resp: 7201
Ion Ratio Lower Upper
76 100
44 0.0 13.9 20.9#
78 29.0 7.9 11.9#

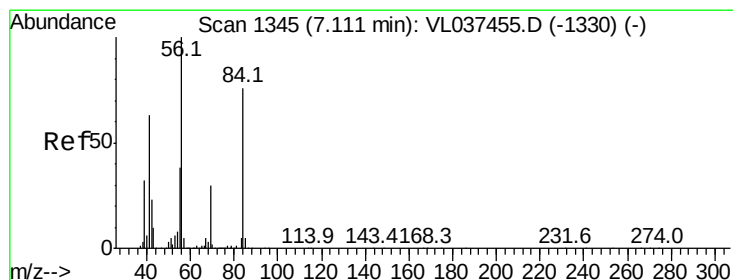
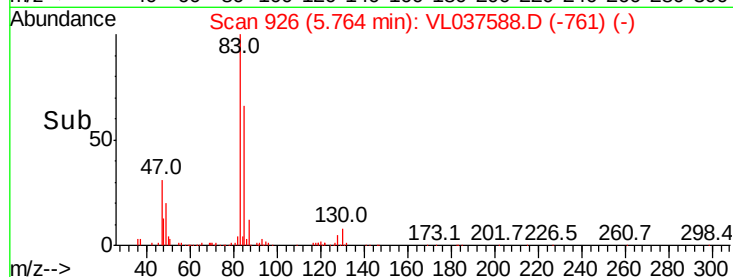
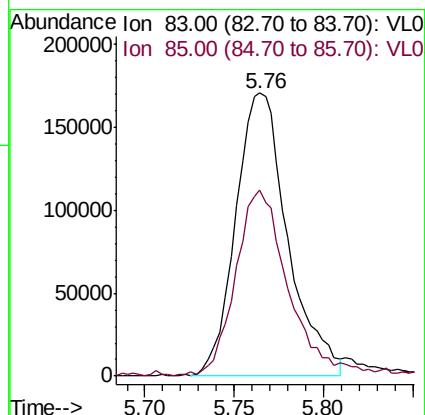
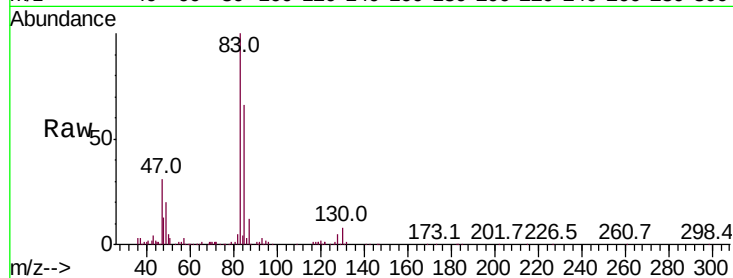




#29
Chloroform
Concen: 1.169 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

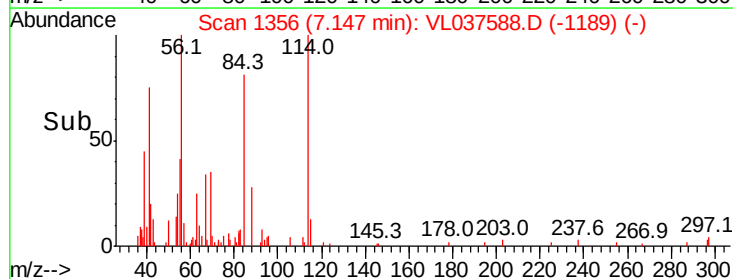
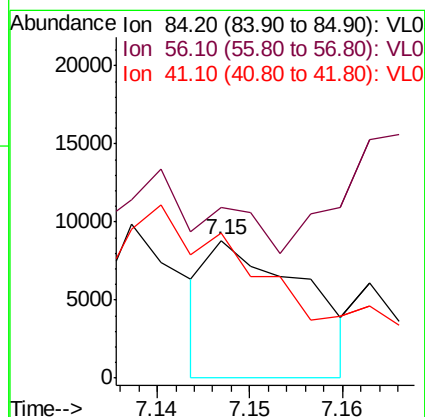
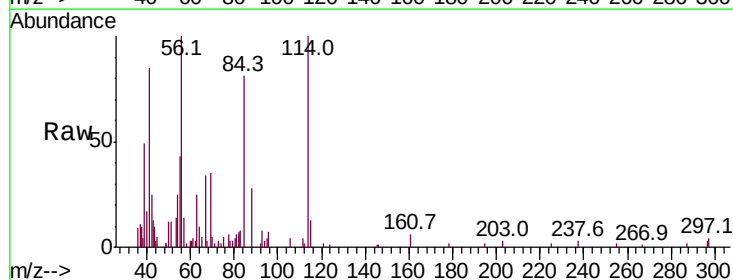
Instrument :
MSVOA_L
ClientSampleId :
SV-3

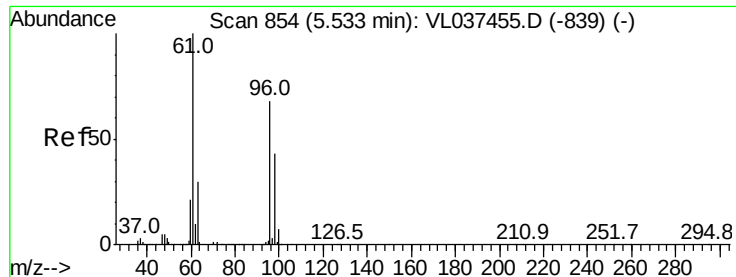
Tot Ion: 83 Resp: 345827
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5



#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.04 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion: 84 Resp: 6311
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#



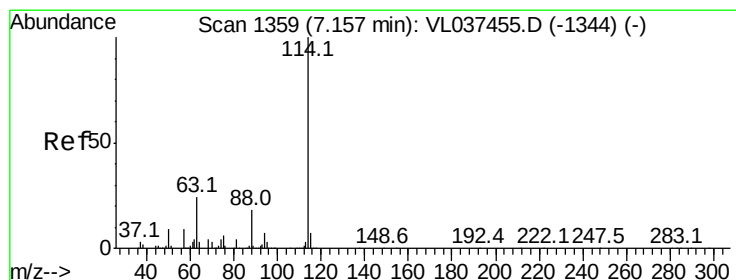
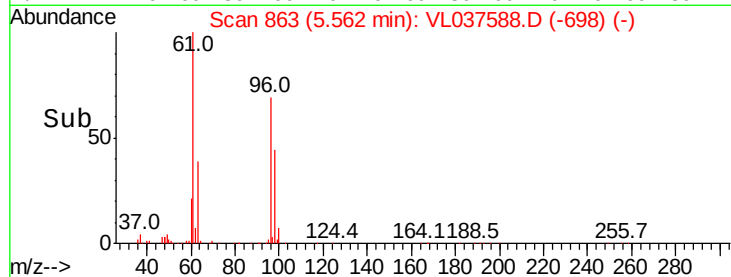
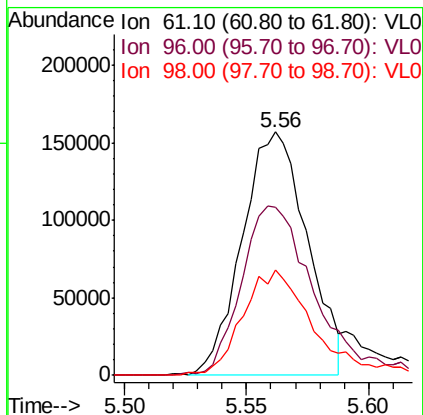
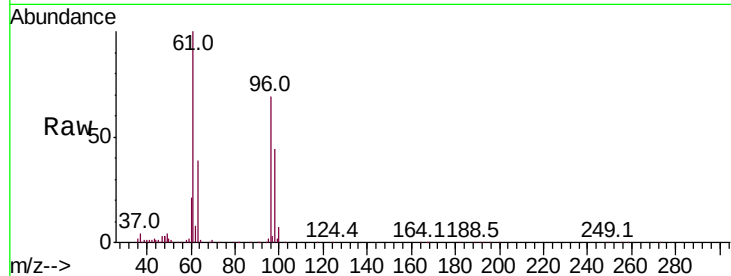


#31

cis-1,2-Dichloroethene
Concen: 1.535 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :
SV-3

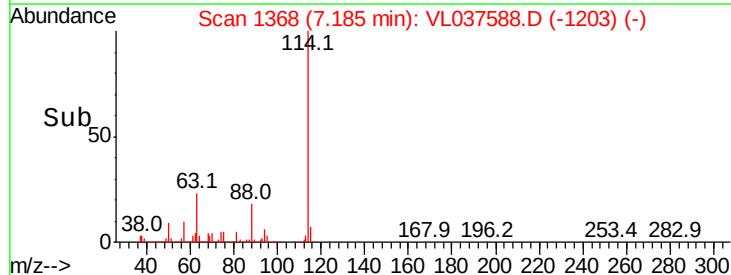
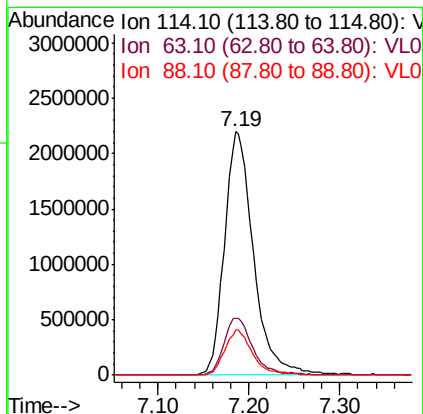
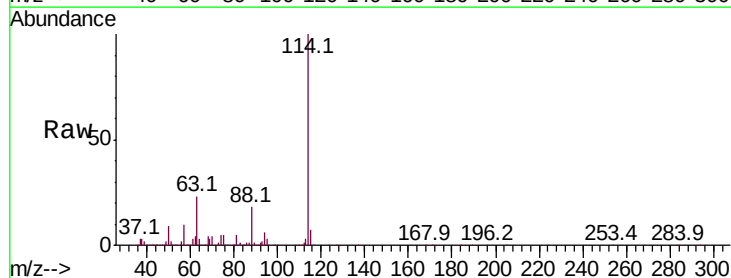
Tot Ion:	61	Resp:	290094
Ion	Ratio	Lower	Upper
61	100		
96	67.9	54.8	82.2
98	42.3	34.2	51.2

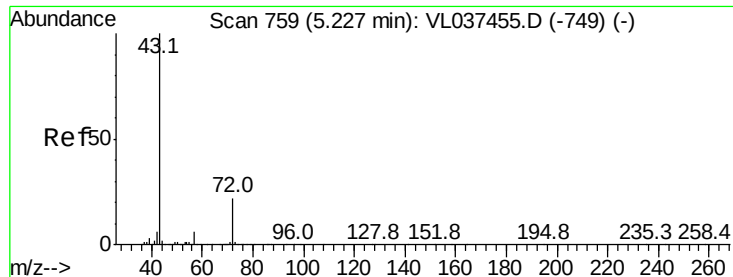


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion:	114	Resp:	4866956
Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.3	28.9
88	18.0	14.2	21.4

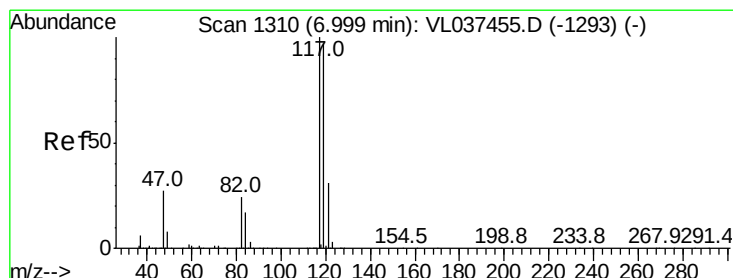
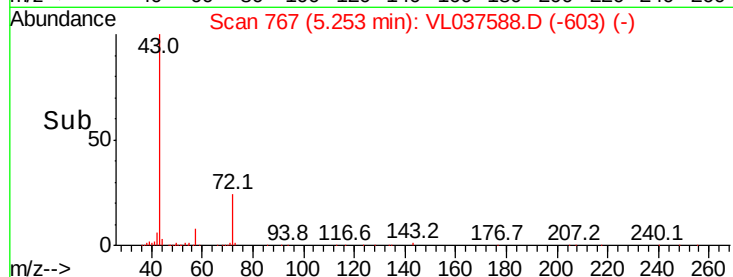
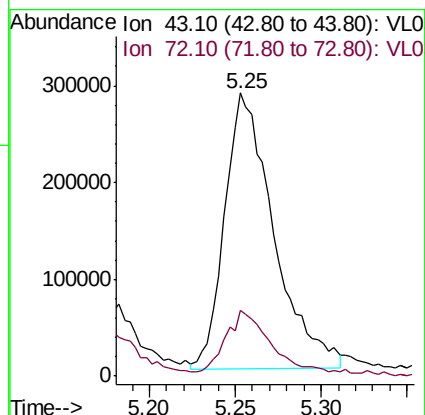
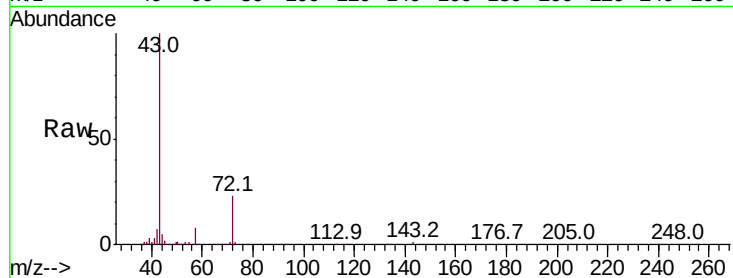




#34
2-Butanone
Concen: 2.865 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

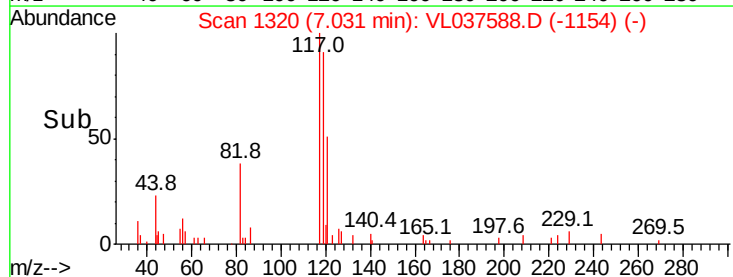
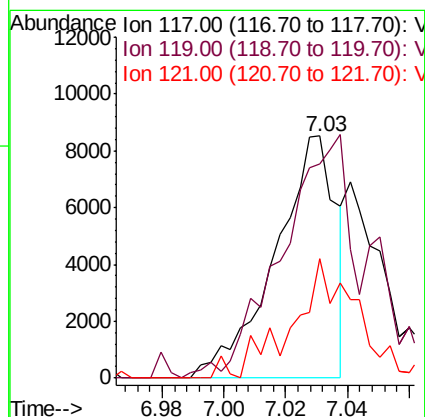
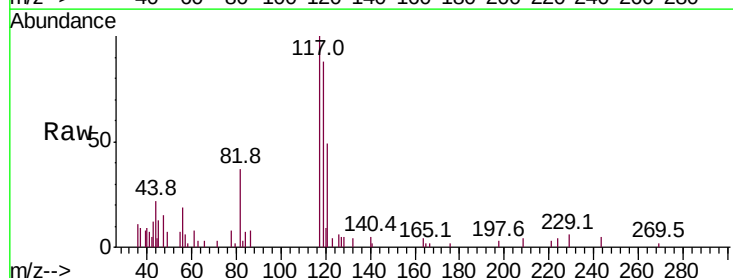
Instrument :
MSVOA_L
ClientSampled :
SV-3

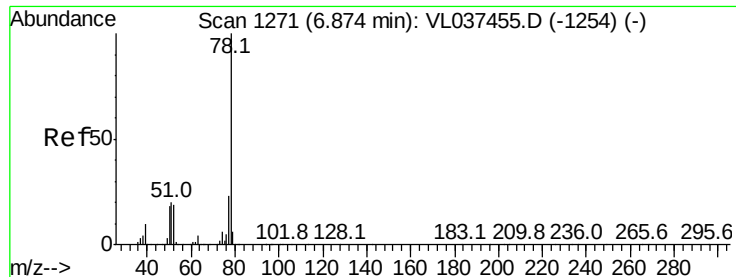
Tot Ion: 43 Resp: 569324
Ion Ratio Lower Upper
43 100
72 24.1 17.4 26.0



#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion: 117 Resp: 11603
Ion Ratio Lower Upper
117 100
119 86.2 77.3 115.9
121 49.4 25.2 37.8#





#36

Benzene

Concen: 0.333 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.03 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

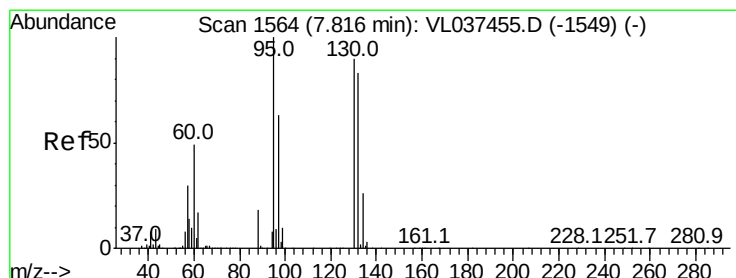
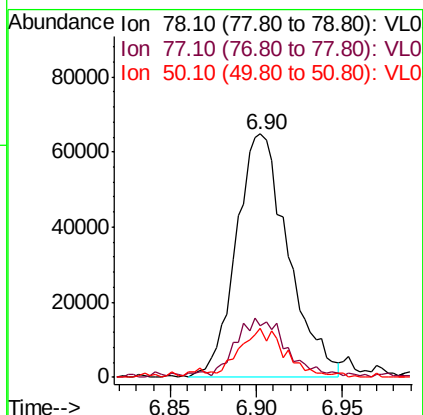
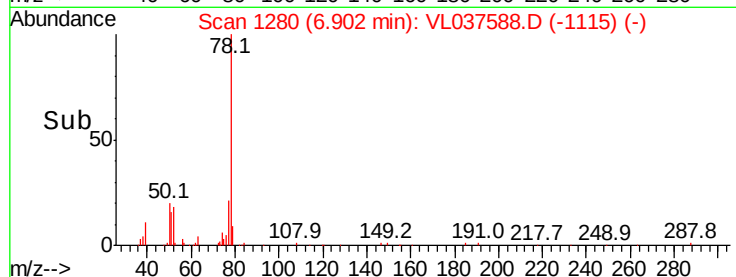
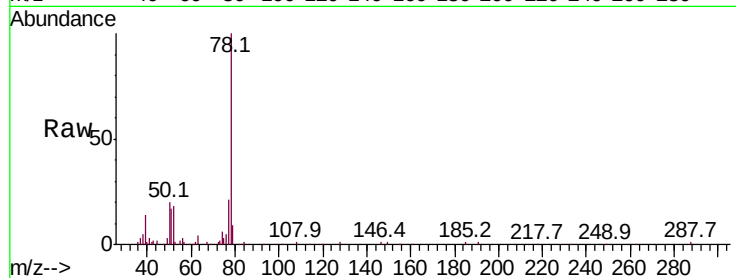
MSVOA_L

ClientSampleId :

SV-3

Tot Ion: 78 Resp: 136108

Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.2	27.4
50	18.0	14.6	21.8



#38

Trichloroethene

Concen: 1.551 ppbv

RT: 7.85 min Scan# 1574

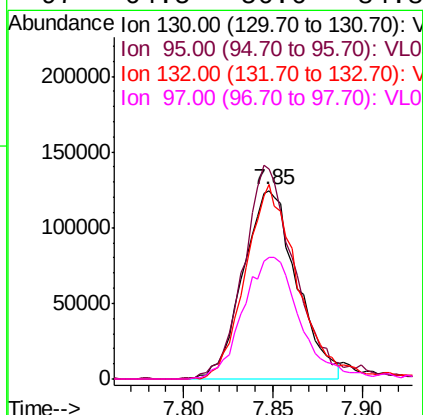
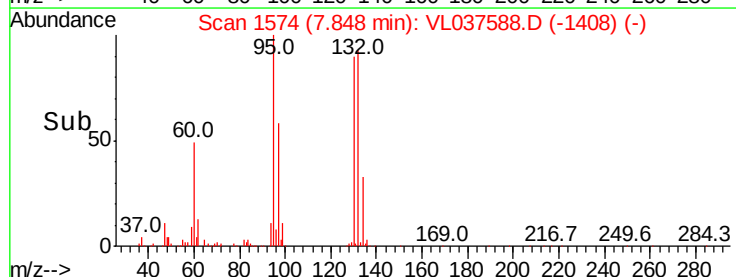
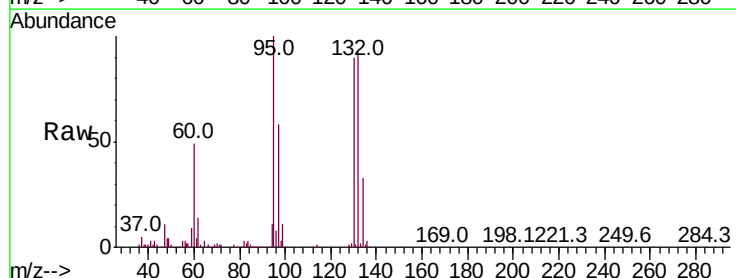
Delta R.T. 0.03 min

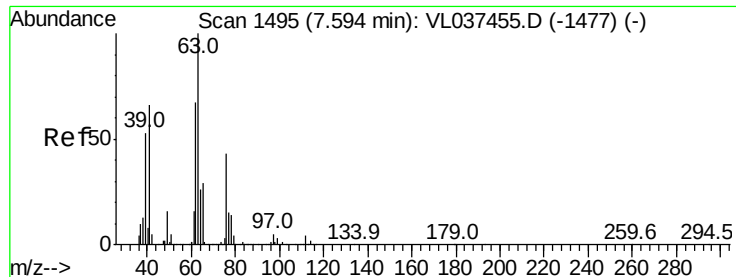
Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Tgt Ion: 130 Resp: 260436

Ion	Ratio	Lower	Upper
130	100		
95	110.9	89.2	133.8
132	103.3	74.0	111.0
97	64.5	56.6	84.8





#39

1,2-Dichloropropane

Concen: 0.088 ppbv

RT: 7.24 min Scan# 1385

Delta R.T. -0.35 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

SV-3

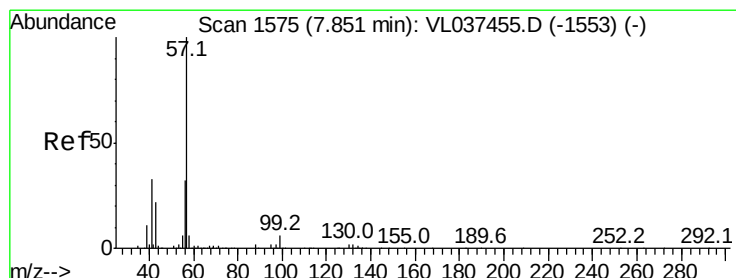
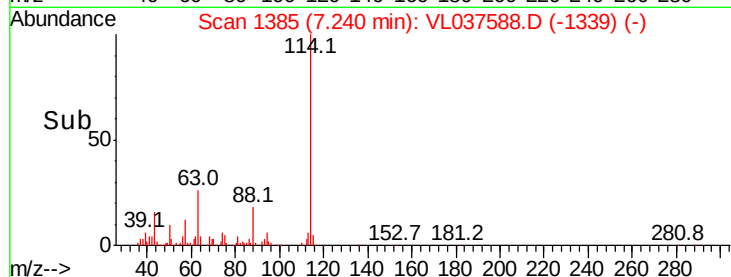
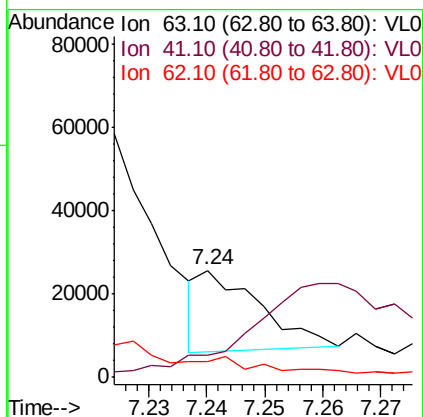
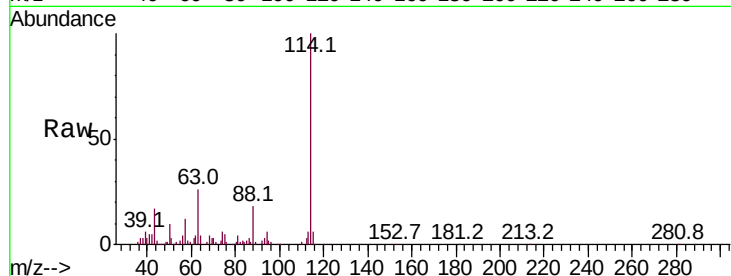
Tot Ion: 63 Resp: 13861

Ion Ratio Lower Upper

63 100

41 1.1 52.4 78.6#

62 12.3 53.6 80.4#



#44

2,2,4-Trimethylpentane

Concen: 0.093 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.04 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

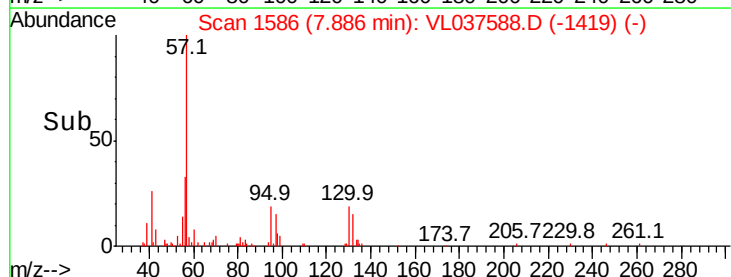
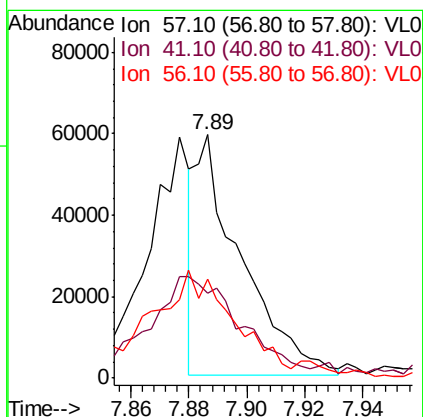
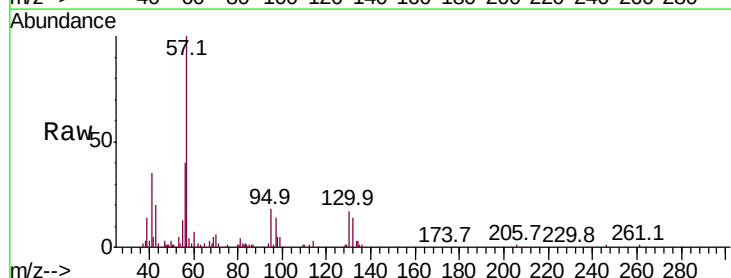
Tgt Ion: 57 Resp: 63992

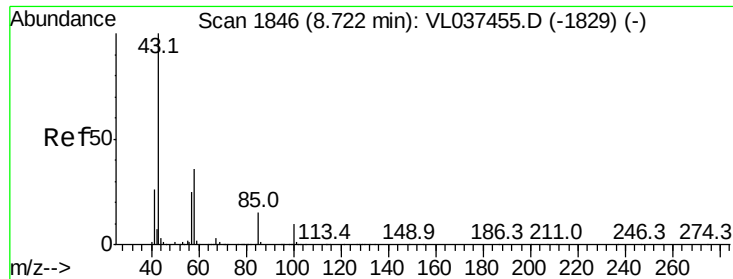
Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.4#

56 0.0 25.4 38.2#

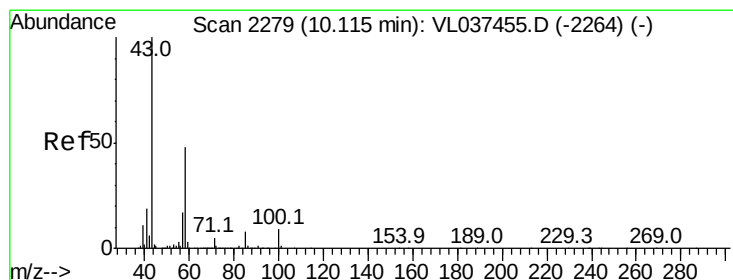
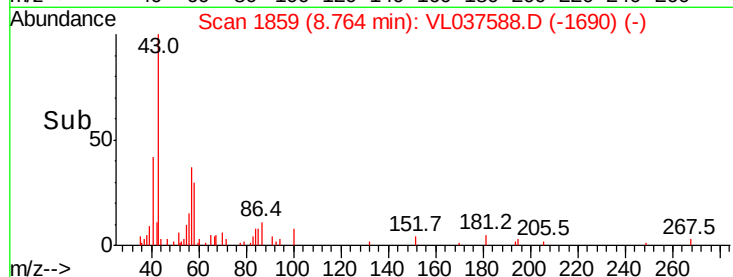
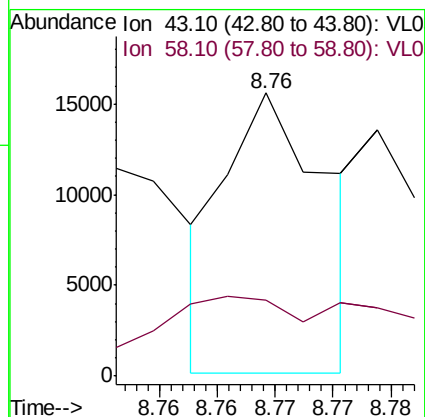
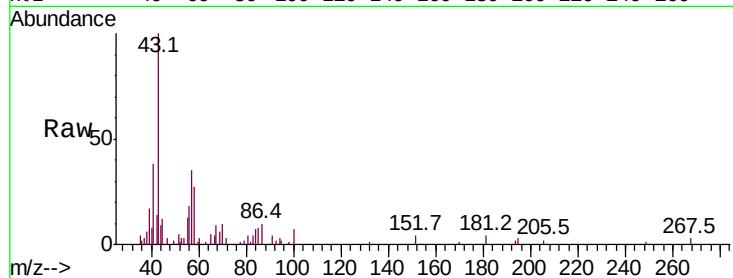




#50
 4-Methyl-2-Pentanone
 Concen: 0.036 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.04 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

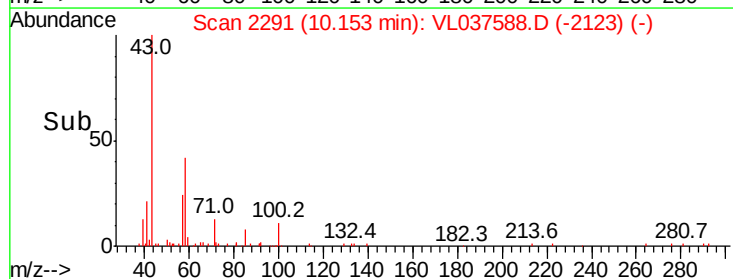
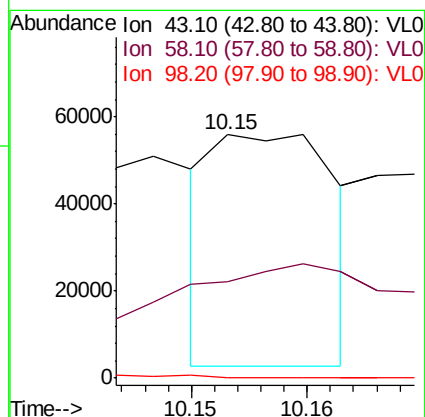
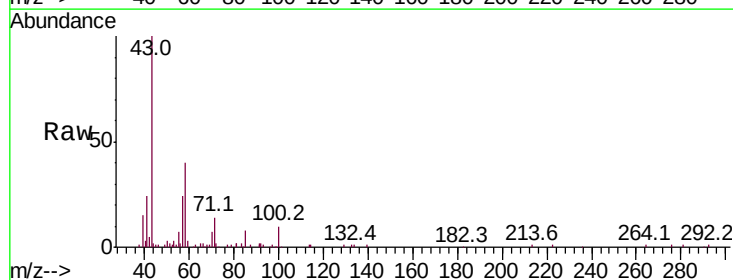
Instrument :
 MSVOA_L
 ClientSampled :
 SV-3

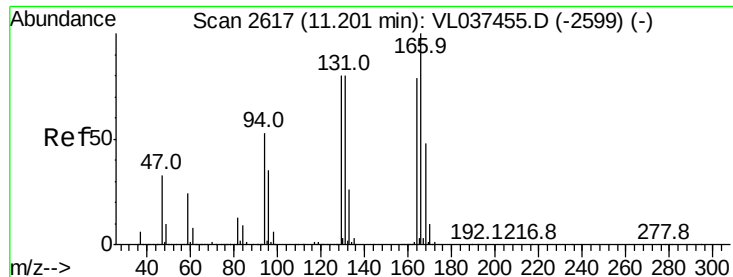
Tot Ion: 43 Resp: 9327
 Ion Ratio Lower Upper
 43 100
 58 153.8 29.9 44.9#



#51
 2-Hexanone
 Concen: 0.322 ppbv
 RT: 10.15 min Scan# 2291
 Delta R.T. 0.04 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

Tgt Ion: 43 Resp: 38441
 Ion Ratio Lower Upper
 43 100
 58 161.0 41.0 61.6#
 98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 20.330 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.04 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion:164 Resp: 3408524

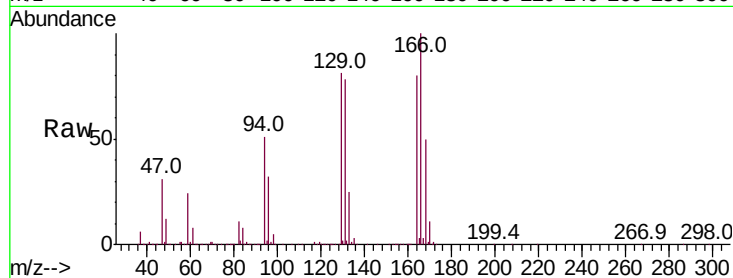
Ion Ratio Lower Upper

164 100

166 125.1 100.7 151.1

129 101.3 80.9 121.3

131 97.3 80.2 120.4

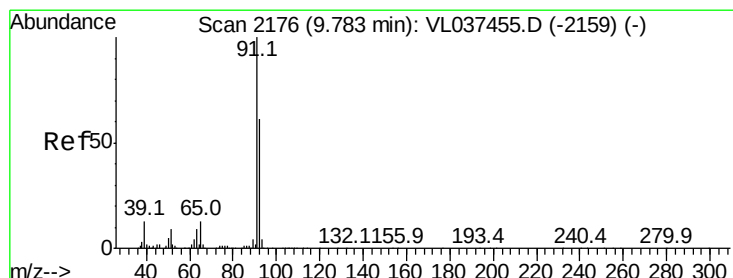
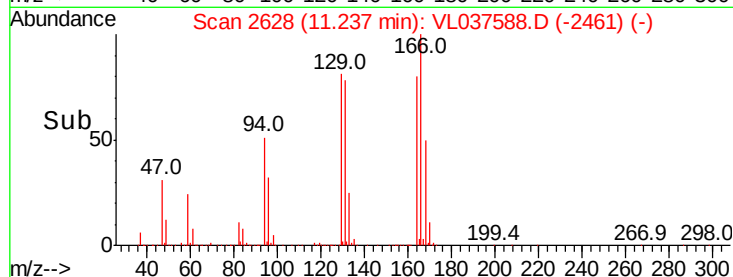
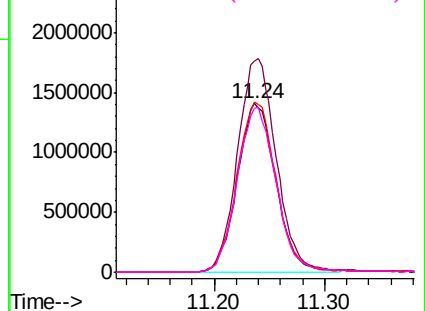


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.741 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.03 min

Lab File: VL037588.D

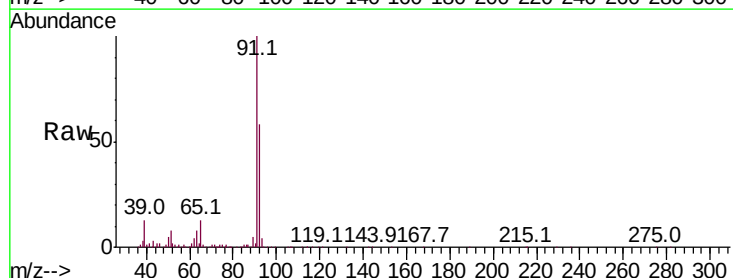
Acq: 9 Sep 2021 1:58

Tgt Ion: 91 Resp: 1747619

Ion Ratio Lower Upper

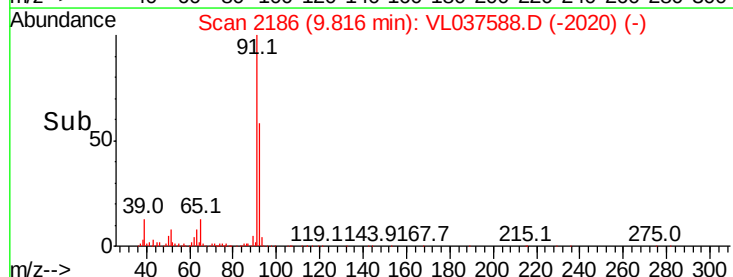
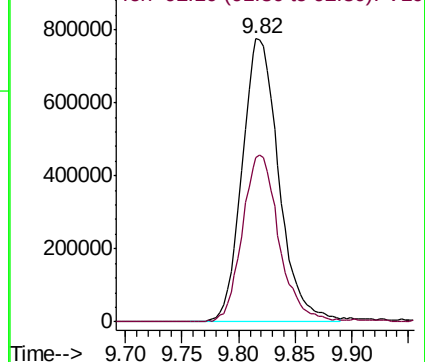
91 100

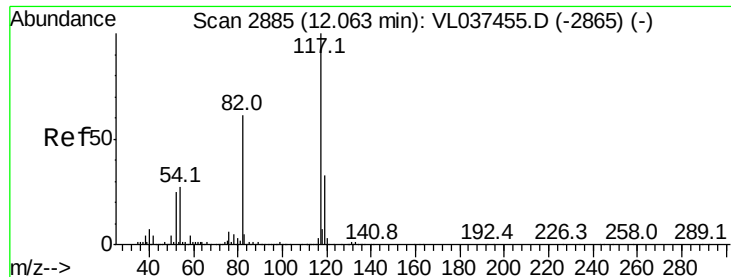
92 59.0 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

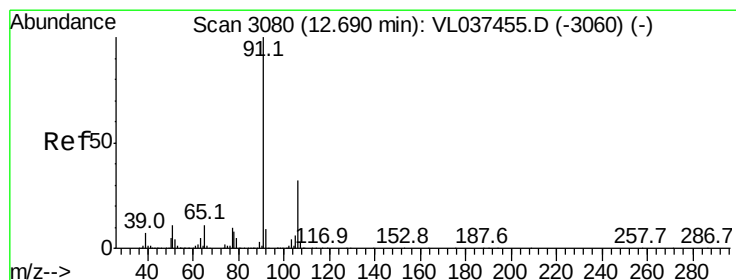
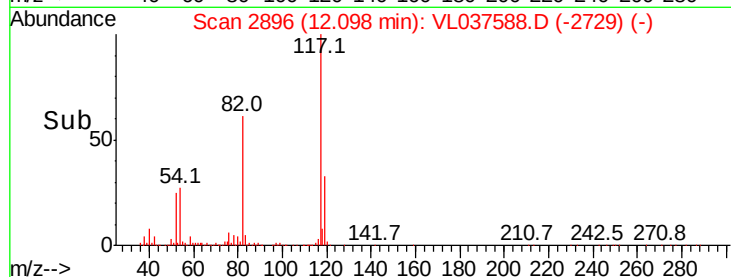
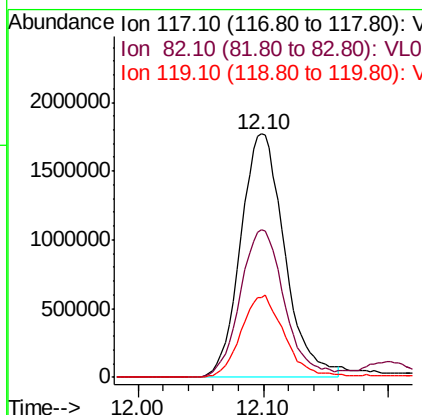
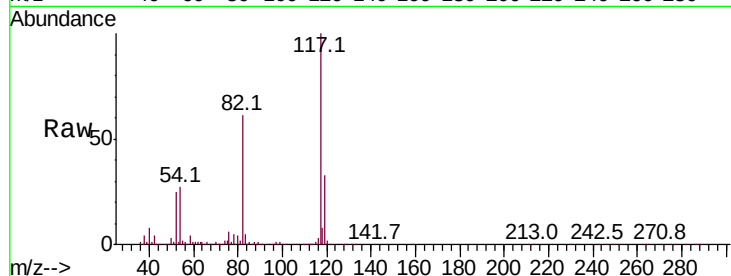




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

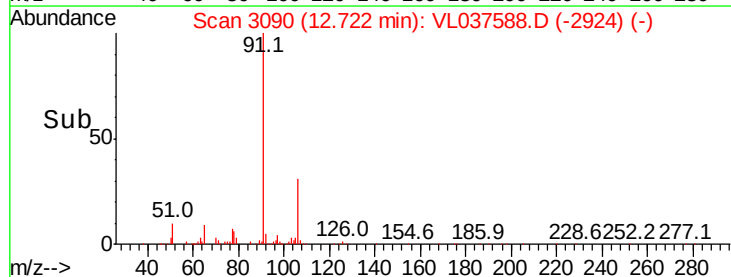
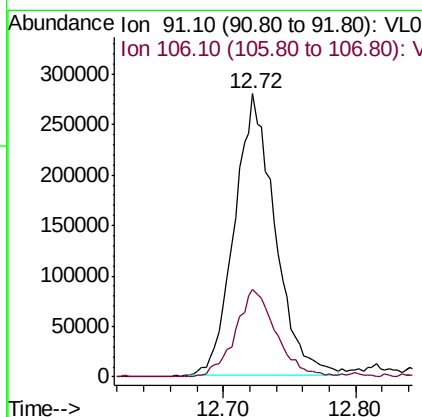
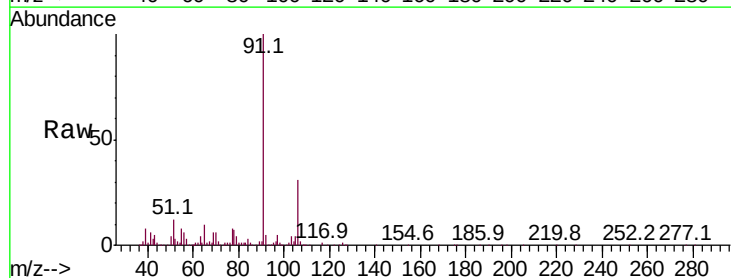
Instrument :
MSVOA_L
ClientSampleId :
SV-3

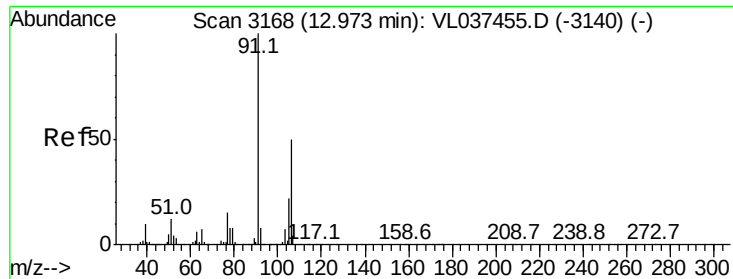
Tot Ion:117 Resp: 4313880
Ion Ratio Lower Upper
117 100
82 61.9 52.9 79.3
119 35.0 24.8 37.2



#58
Ethyl Benzene
Concen: 0.988 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion: 91 Resp: 591273
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5

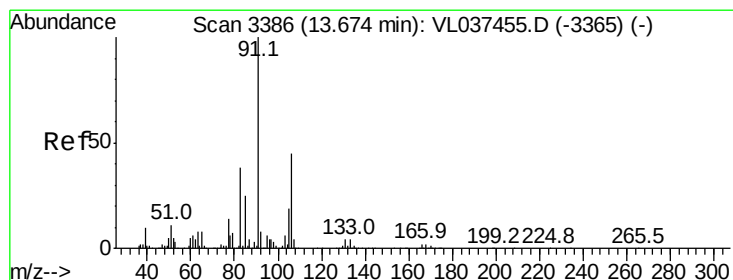
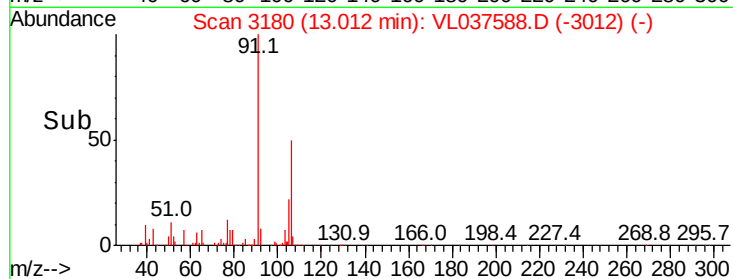
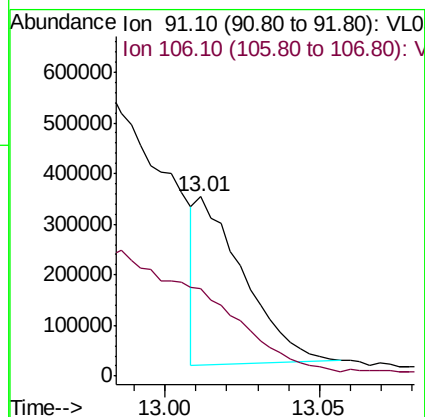
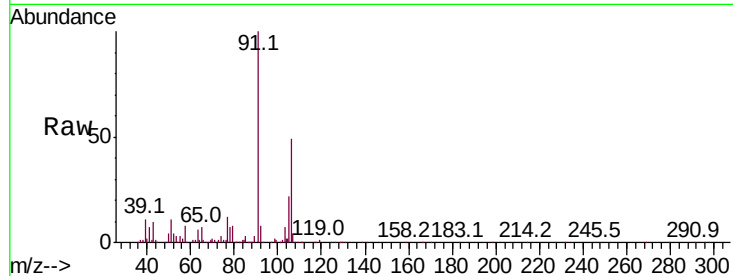




#59
m/p-Xylene
Concen: 0.681 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.04 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

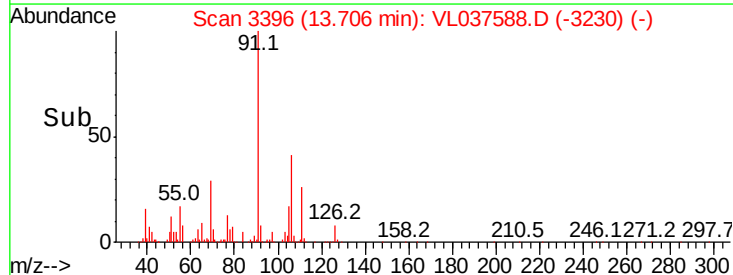
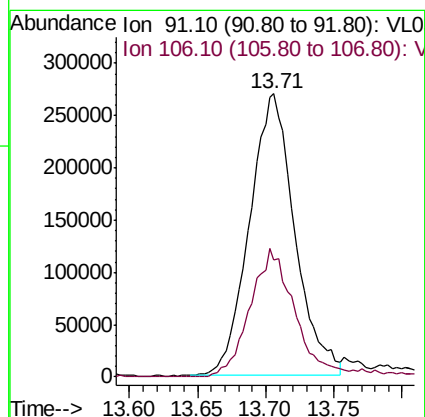
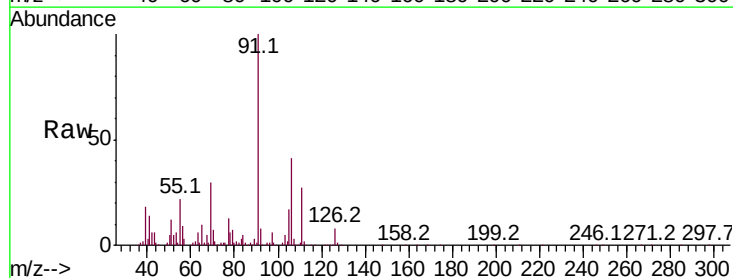
Instrument :
MSVOA_L
ClientSampleId :
SV-3

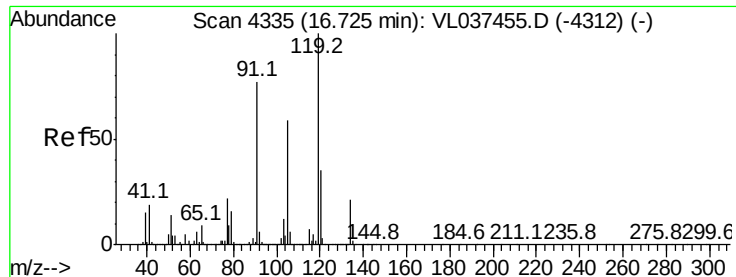
Tot Ion: 91 Resp: 353575
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#



#60
o-Xylene
Concen: 1.285 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.03 min
Lab File: VL037588.D
Acq: 9 Sep 2021 1:58

Tgt Ion: 91 Resp: 622432
Ion Ratio Lower Upper
91 100
106 48.0 23.7 71.1





#65

tert-Butylbenzene

Concen: 0.129 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.05 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

Client Sampled :

SV-3

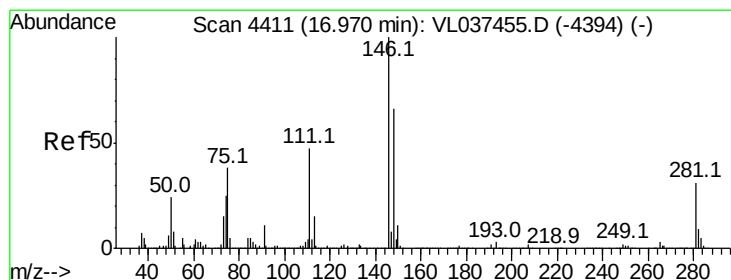
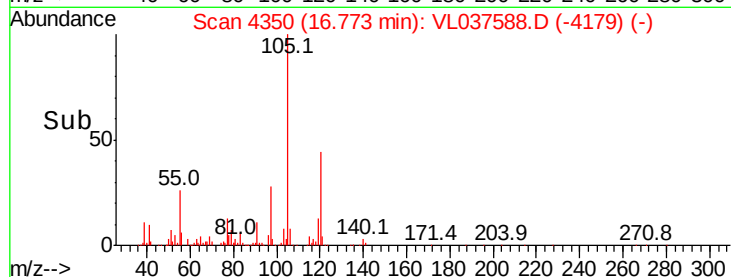
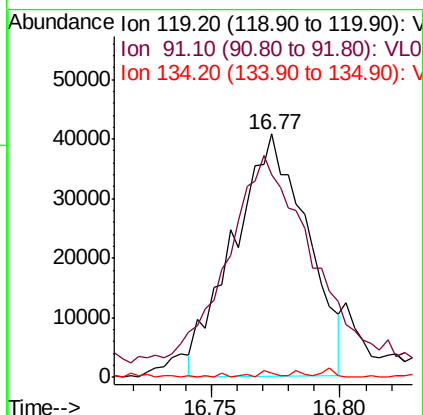
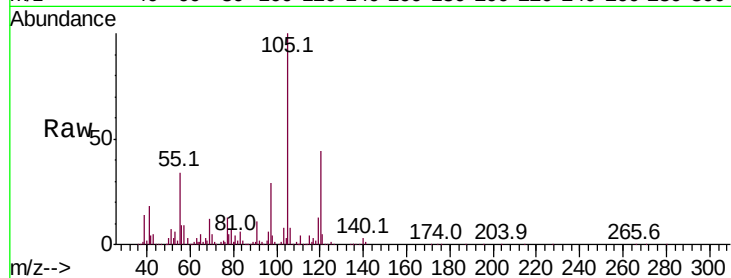
Tot Ion: 119 Resp: 80468

Ion Ratio Lower Upper

119 100

91 113.8 62.9 94.3#

134 0.0 16.4 24.6#



#66

Benzyl Chloride

Concen: 0.092 ppbv

RT: 17.20 min Scan# 4483

Delta R.T. 0.23 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

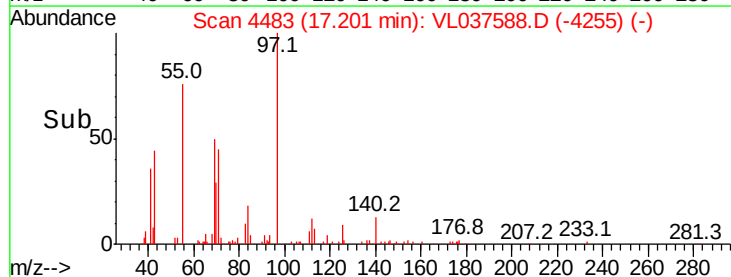
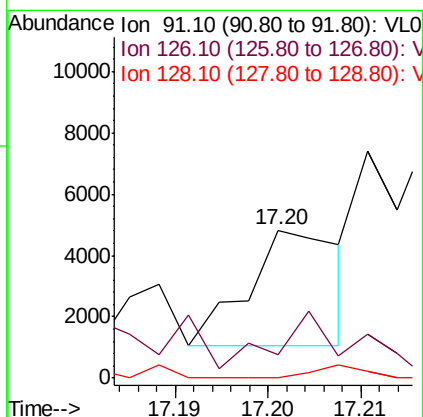
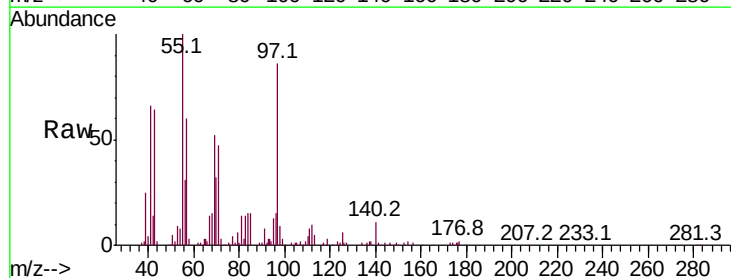
Tgt Ion: 91 Resp: 2604

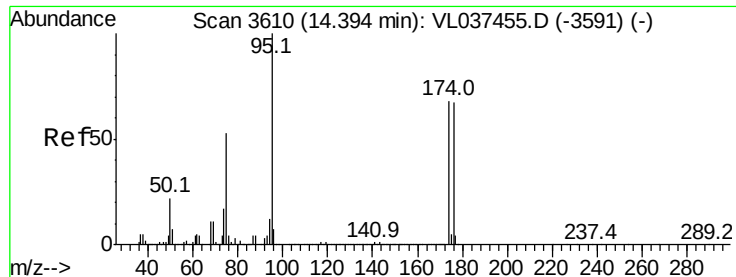
Ion Ratio Lower Upper

91 100

126 48.3 15.9 23.9#

128 0.0 5.4 8.0#

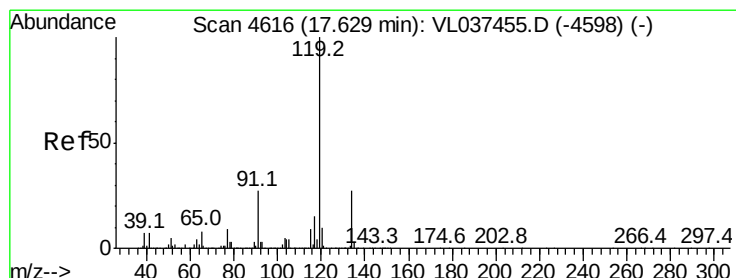
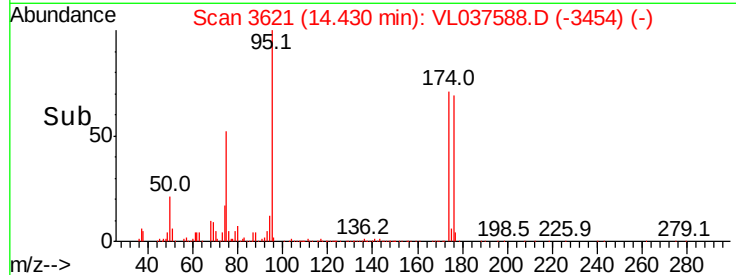
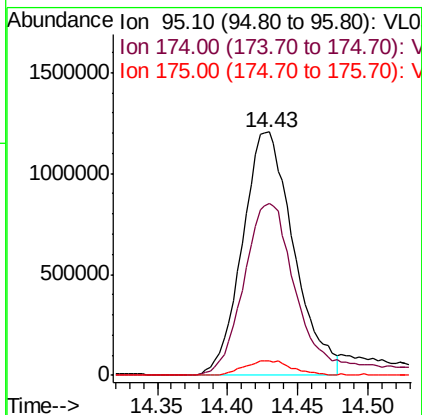
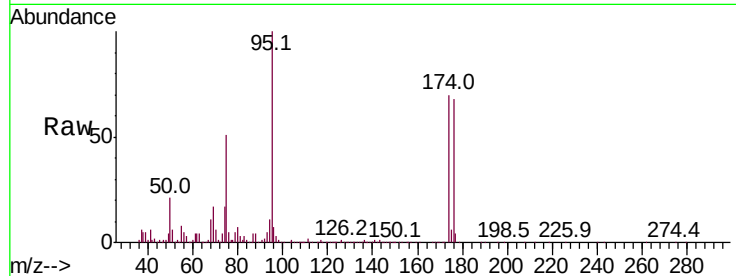




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.961 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

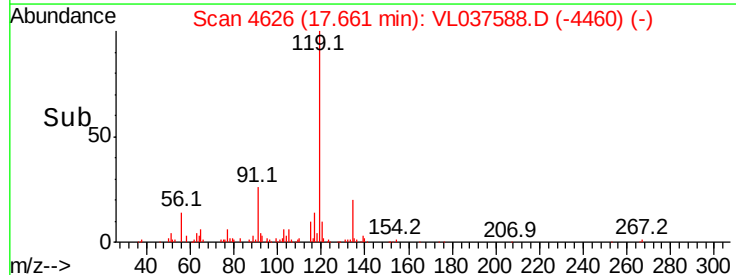
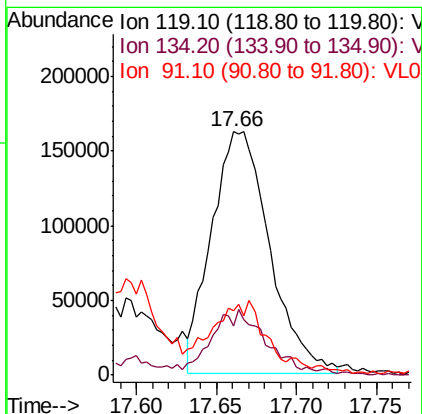
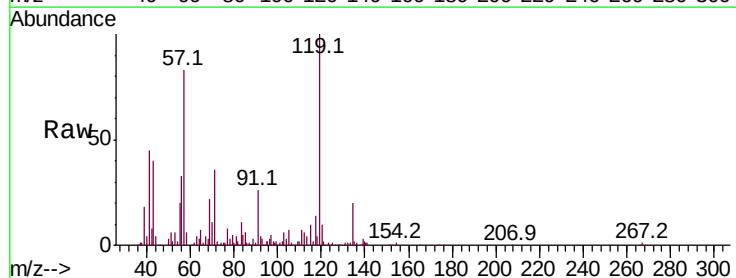
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3

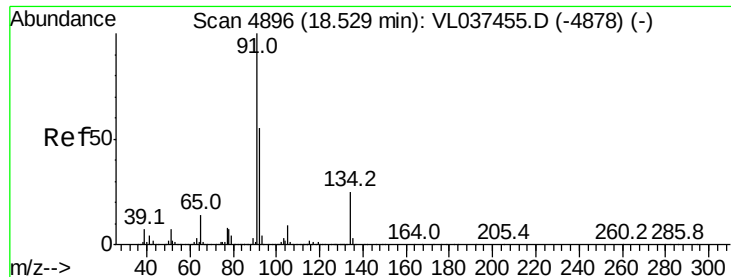
Tot Ion: 95 Resp: 3052928
 Ion Ratio Lower Upper
 95 100
 174 79.2 59.6 89.4
 175 5.9 4.6 7.0



#69
 p-Isopropyltoluene
 Concen: 0.571 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. 0.03 min
 Lab File: VL037588.D
 Acq: 9 Sep 2021 1:58

Tgt Ion: 119 Resp: 404747
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.1 31.7
 91 28.7 22.4 33.6





#70

n-Butylbenzene

Concen: 0.046 ppbv

RT: 18.57 min Scan# 4909

Delta R.T. 0.04 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

SV-3

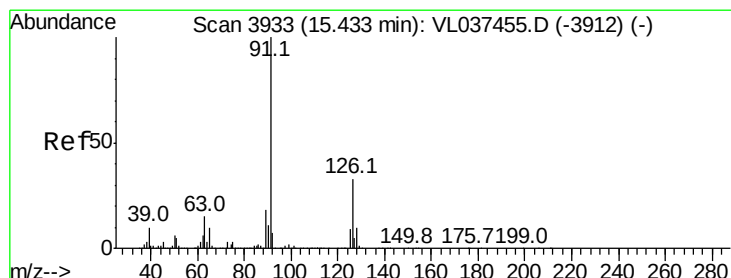
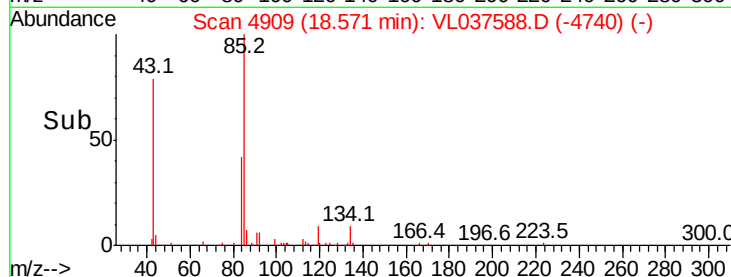
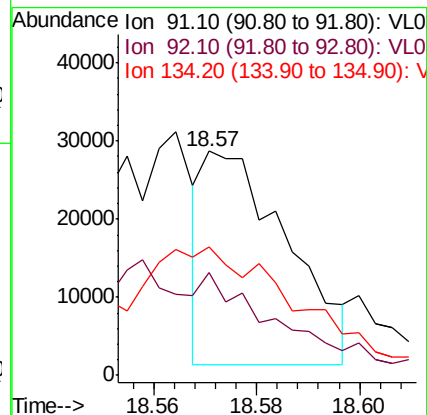
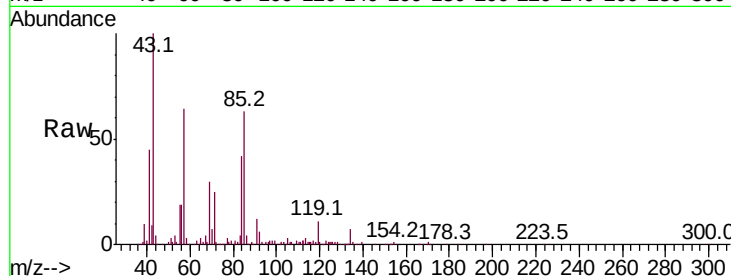
Tot Ion: 91 Resp: 31046

Ion Ratio Lower Upper

91 100

92 0.0 44.0 66.0#

134 187.8 19.5 29.3#



#71

2-Chlorotoluene

Concen: 0.079 ppbv

RT: 15.78 min Scan# 4042

Delta R.T. 0.35 min

Lab File: VL037588.D

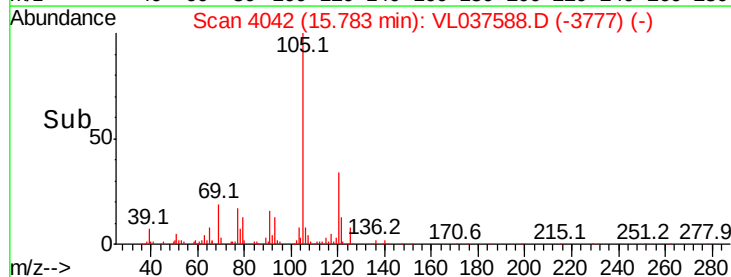
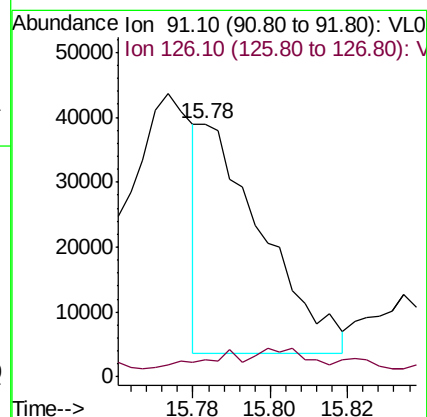
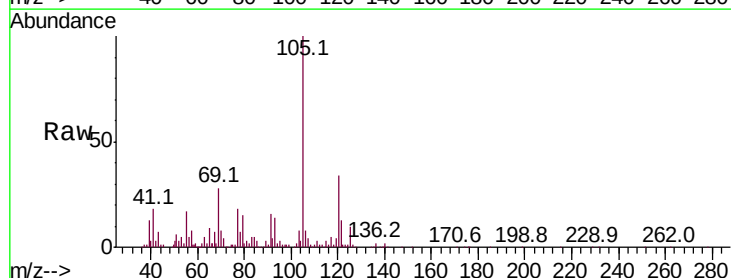
Acq: 9 Sep 2021 1:58

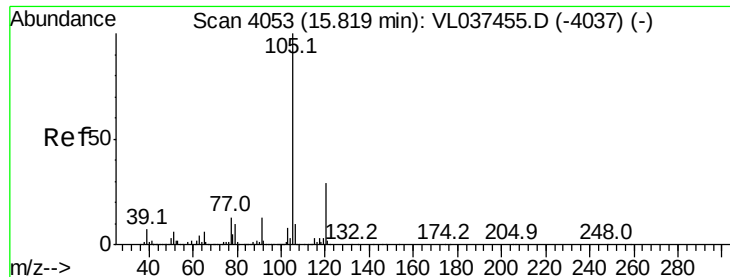
Tgt Ion: 91 Resp: 39820

Ion Ratio Lower Upper

91 100

126 32.3 13.6 54.4





#72

4-Ethyltoluene

Concen: 0.618 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.03 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion:105 Resp: 355946

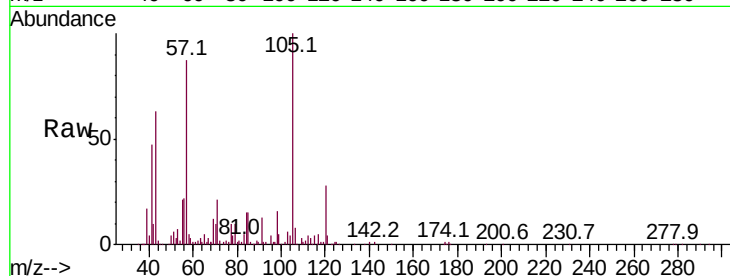
Ion Ratio Lower Upper

105 100

120 32.3 24.7 37.1

91 12.8 9.8 14.8

77 12.9 10.6 15.8

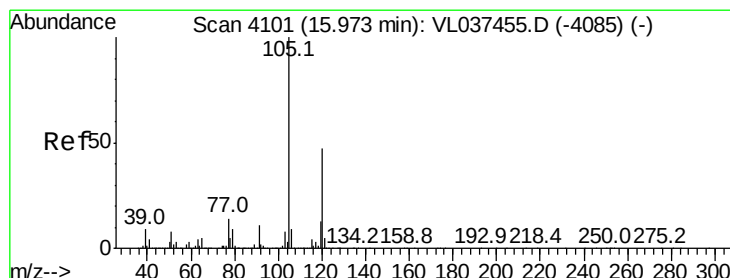
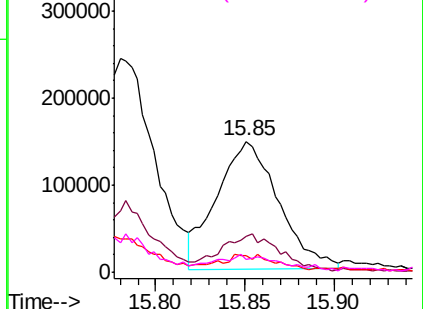
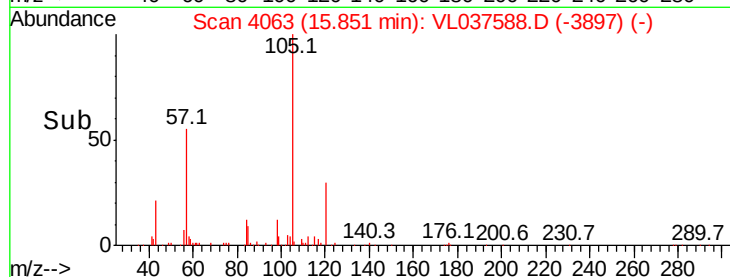


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.101 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.05 min

Lab File: VL037588.D

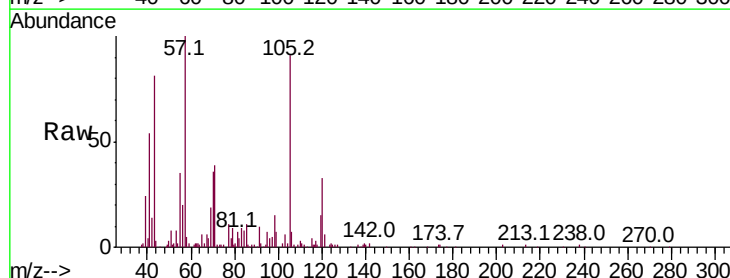
Acq: 9 Sep 2021 1:58

Tgt Ion:105 Resp: 54093

Ion Ratio Lower Upper

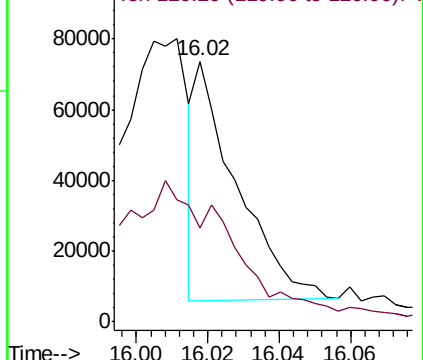
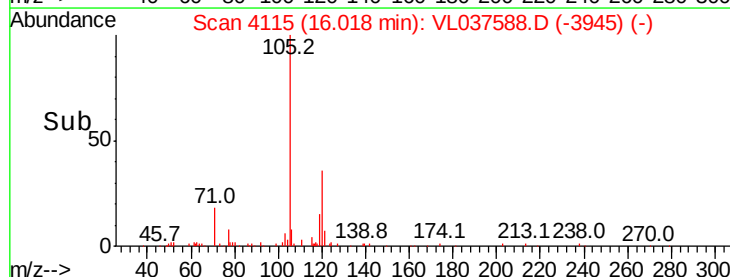
105 100

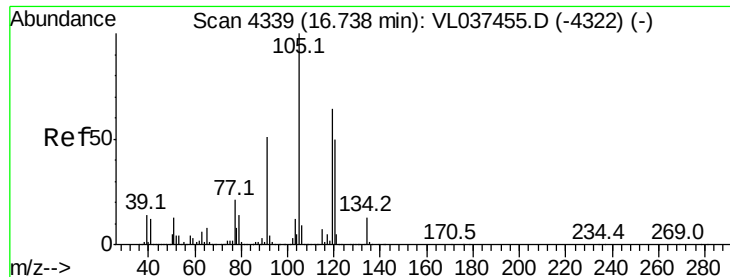
120 34.9 37.6 56.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.366 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

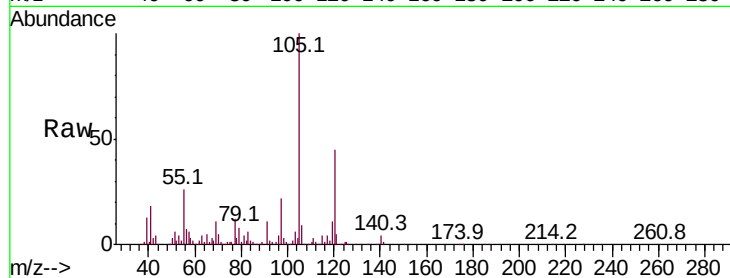
Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion:	105	Resp:	778416
Ion	Ratio	Lower	Upper
105	100		
120	44.6	40.4	60.6
91	10.6	44.6	67.0#
77	10.9	17.8	26.6#



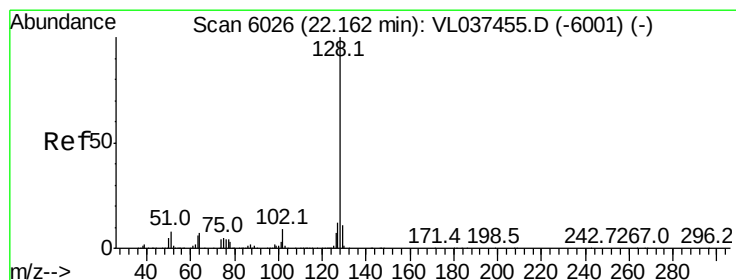
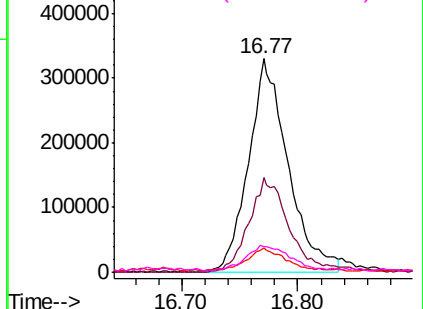
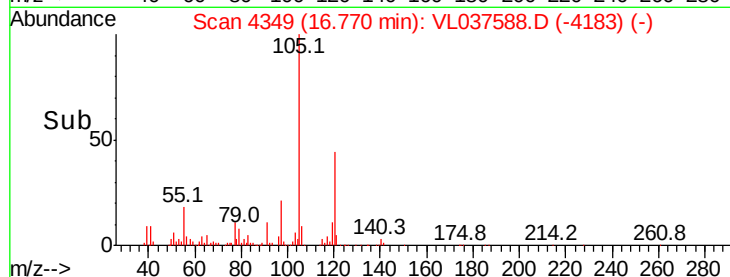
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.089 ppbv

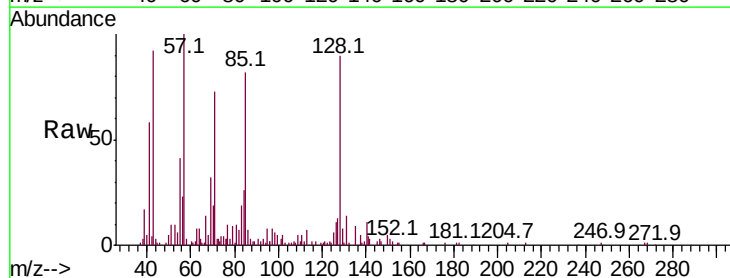
RT: 22.22 min Scan# 6044

Delta R.T. 0.06 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Tgt Ion:	128	Resp:	34059
Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.4	14.2
129	0.0	8.8	13.2#

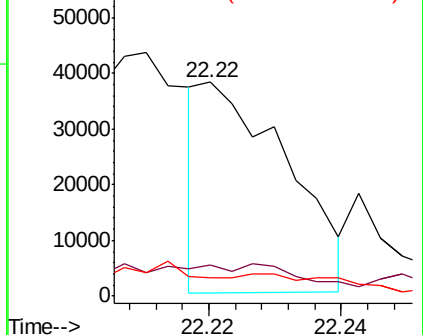
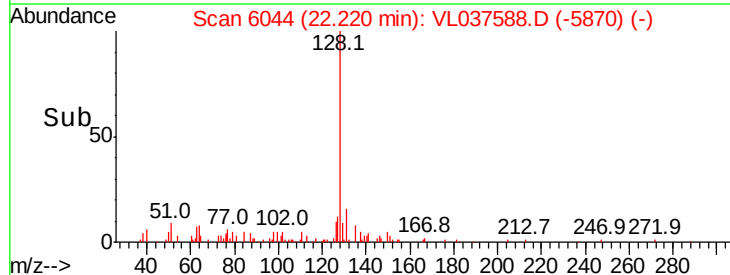


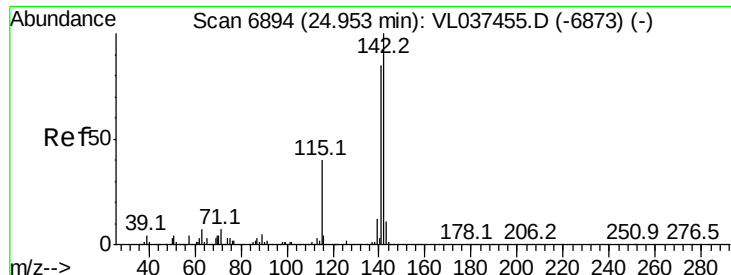
Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.114 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.03 min

Lab File: VL037588.D

Acq: 9 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

SV-3

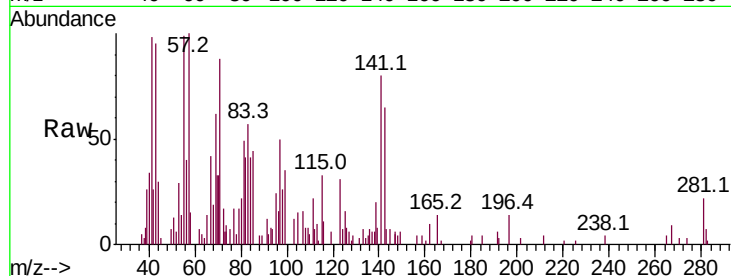
Tot Ion:142 Resp: 12092

Ion Ratio Lower Upper

142 100

141 100.5 64.7 97.1#

115 57.2 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

