

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037711.D
 Acq On : 28 Sep 2021 20:40
 Operator : SY/AP
 Sample : M3948-02 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:41:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1414322	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4139296	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3629442	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2599214	9.91	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

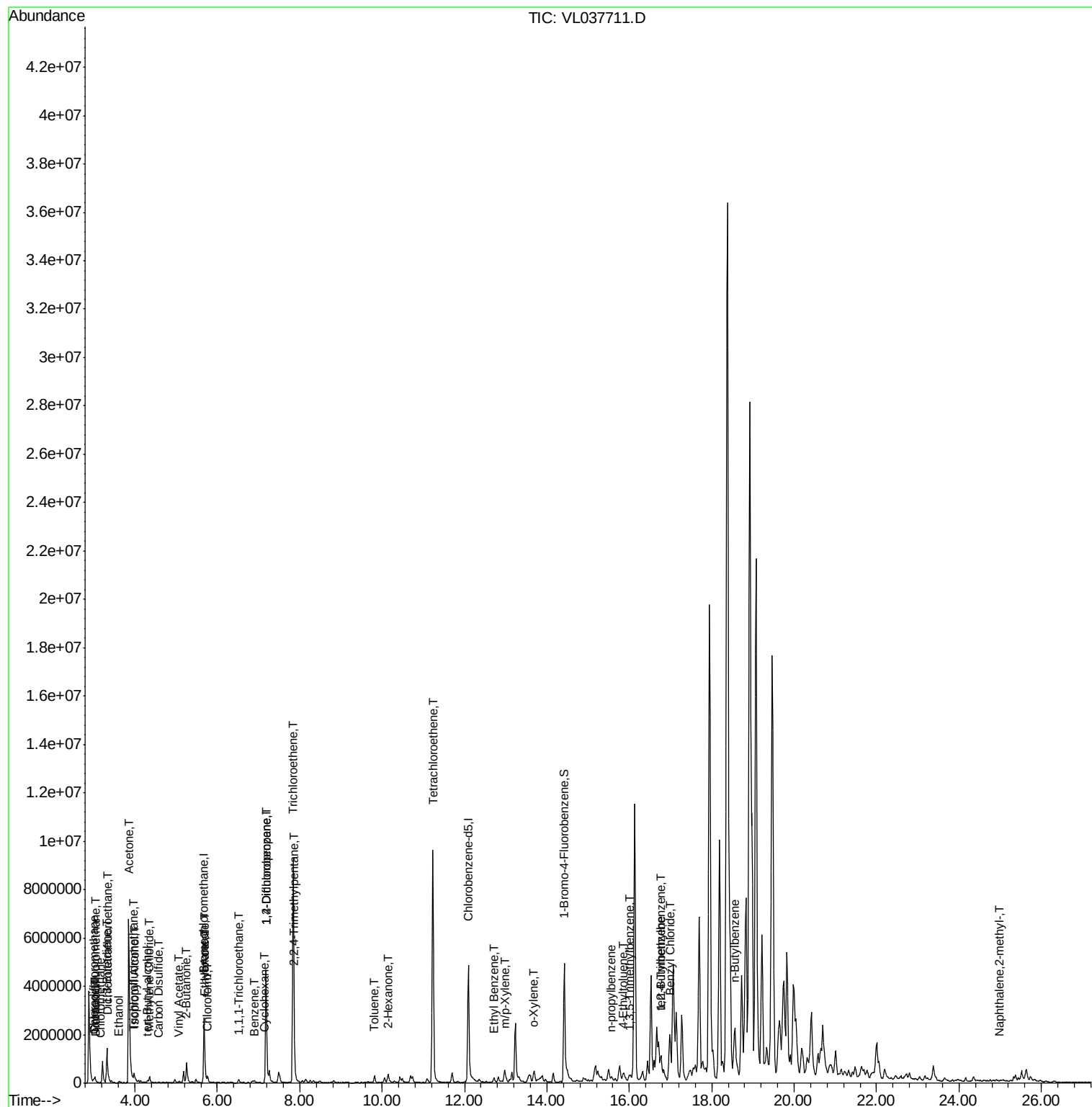
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	20425	0.080	ppbv 100
3) Chlorodifluoromethane	3.00	51	201159	0.754	ppbv 92
4) Chloromethane	3.15	50	3023	0.031	ppbv # 65
8) Dichlorotetrafluoroethane	3.34	85	176908	0.801	ppbv # 13
9) Propene	3.02	41	56347	0.599	ppbv # 51
11) Trichlorofluoromethane	3.95	101	10575	0.051	ppbv 90
13) Ethanol	3.62	45	106363	11.556	ppbv 99
15) Acetone	3.85	43	9250273	62.950	ppbv 99
16) 1,3-Butadiene	3.32	39	400215	4.359	ppbv # 19
17) tert-Butyl alcohol	4.30	59	81031	0.650	ppbv # 92
19) Isopropyl Alcohol	3.98	45	385348	4.820	ppbv # 89
20) Methylene Chloride	4.35	84	96760	1.379	ppbv # 92
23) Vinyl Acetate	5.07	43	38566	0.190	ppbv # 88
25) Ethyl Acetate	5.70	43	29493	0.083	ppbv # 77
26) Hexane	5.69	57	111677	0.661	ppbv # 37
27) Carbon Disulfide	4.56	76	6266	0.041	ppbv # 24
29) Chloroform	5.77	83	64947	0.263	ppbv 89
30) Cyclohexane	7.14	84	4726	0.033	ppbv # 1
32) 1,1,1-Trichloroethane	6.52	97	85572	0.372	ppbv 92
34) 2-Butanone	5.25	43	1105502	6.572	ppbv 96
36) Benzene	6.90	78	36414	0.105	ppbv # 95
38) Trichloroethene	7.84	130	3656171	25.358	ppbv 97
39) 1,2-Dichloropropane	7.18	63	984839	7.449	ppbv # 27
44) 2,2,4-Trimethylpentane	7.88	57	43503	0.075	ppbv # 49
51) 2-Hexanone	10.15	43	334233	3.548	ppbv # 99
52) Tetrachloroethene	11.23	164	2880735	21.740	ppbv 98
53) Toluene	9.82	91	230427	0.601	ppbv 97
58) Ethyl Benzene	12.72	91	147139	0.305	ppbv # 88
59) m/p-Xylene	13.00	91	123337	0.294	ppbv # 31
60) o-Xylene	13.70	91	293061	0.733	ppbv 100
64) n-propylbenzene	15.57	120	13005	0.090	ppbv # 1
65) tert-Butylbenzene	16.76	119	34076	0.068	ppbv # 20
66) Benzyl Chloride	17.00	91	846	0.031	ppbv # 65
70) n-Butylbenzene	18.57	91	43280	0.082	ppbv # 5
72) 4-Ethyltoluene	15.84	105	123970	0.270	ppbv # 94
73) 1,3,5-Trimethylbenzene	16.00	105	73601	0.172	ppbv 98
74) 1,2,4-Trimethylbenzene	16.76	105	681285	1.513	ppbv # 75
80) Naphthalene,2-methyl-	24.97	142	6614	0.105	ppbv # 59

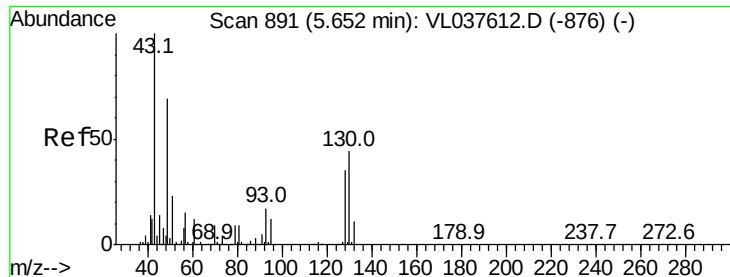
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 20:40

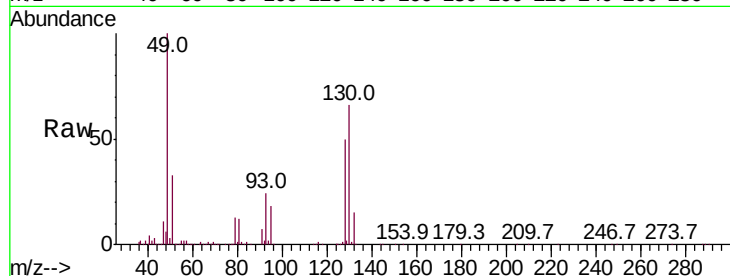
Tot Ion: 49 Resp: 1414322

Ion Ratio Lower Upper

49 100

128 52.9 27.9 83.6

130 67.0 33.9 101.7



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

5.68

800000

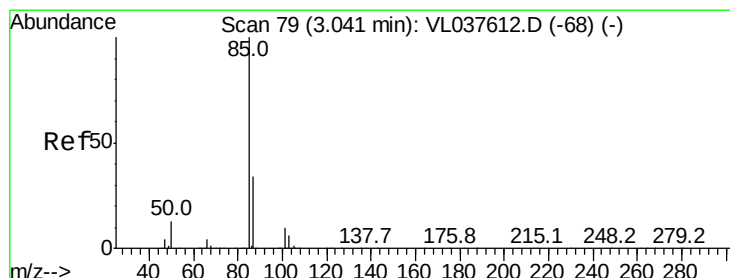
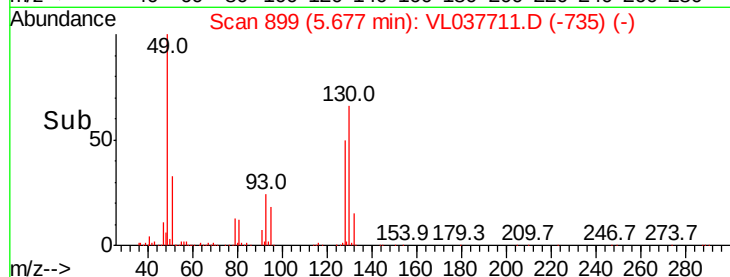
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.080 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL037711.D

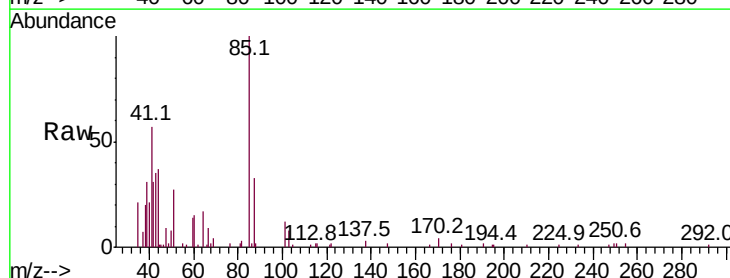
Acq: 28 Sep 2021 20:40

Tgt Ion: 85 Resp: 20425

Ion Ratio Lower Upper

85 100

87 33.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

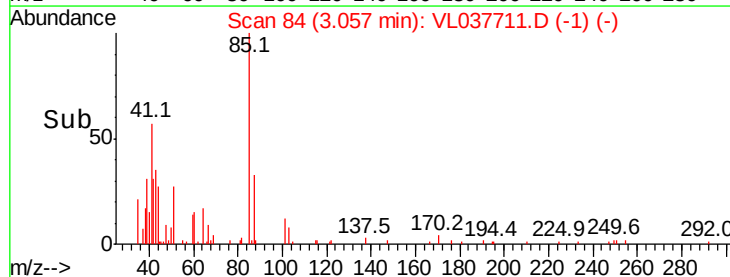
15000

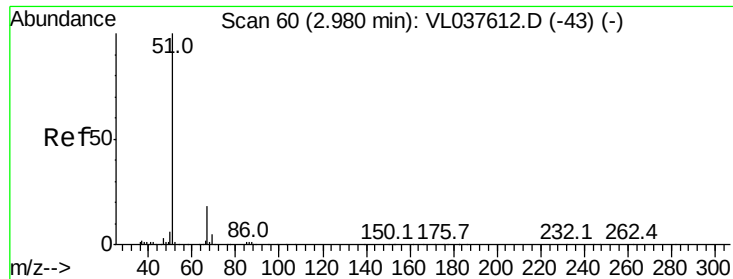
10000

5000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.754 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

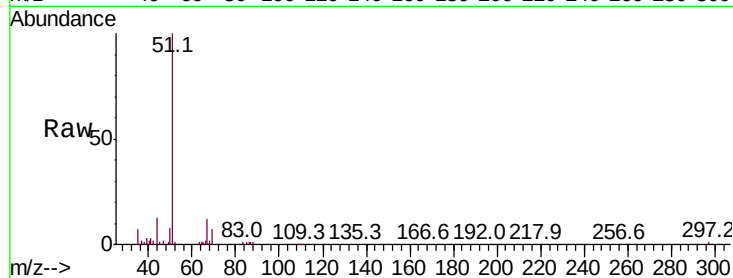
Acq: 28 Sep 2021 20:40

Tot Ion: 51 Resp: 201159

Ion Ratio Lower Upper

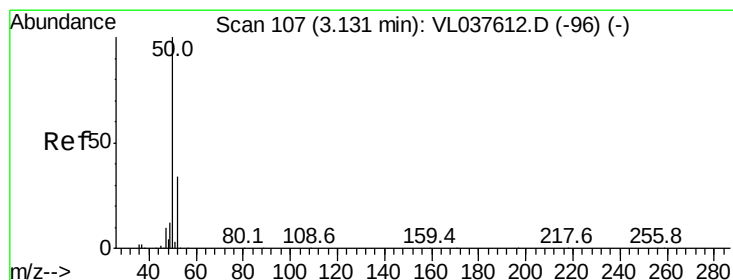
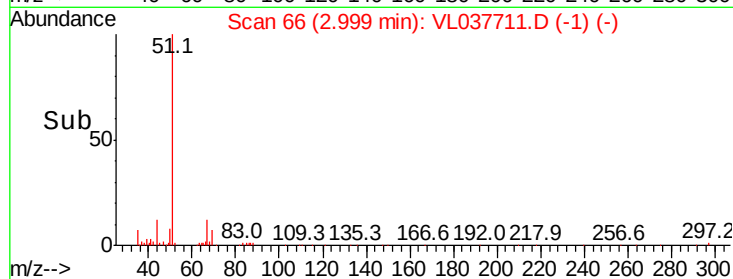
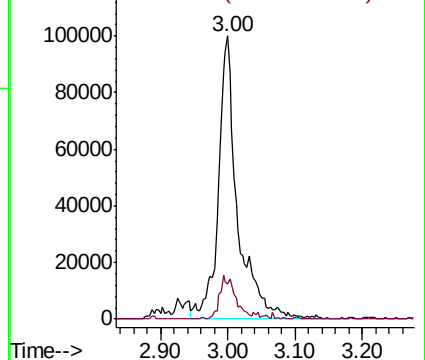
51 100

67 14.2 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037711.D

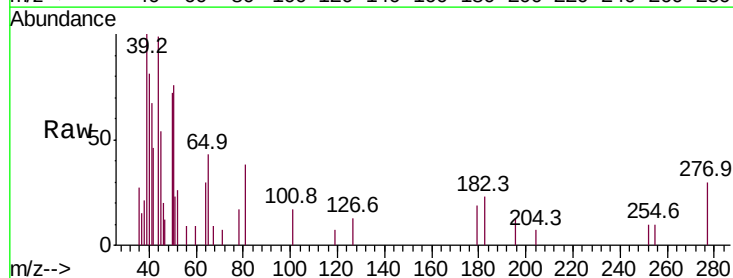
Acq: 28 Sep 2021 20:40

Tgt Ion: 50 Resp: 3023

Ion Ratio Lower Upper

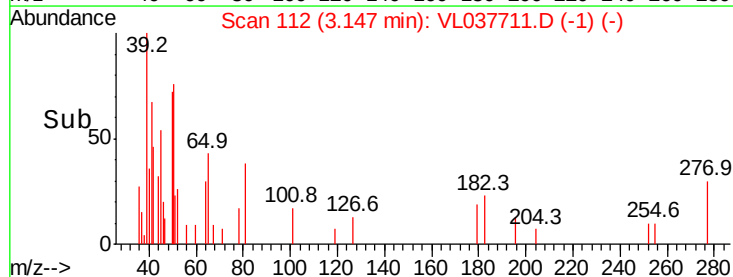
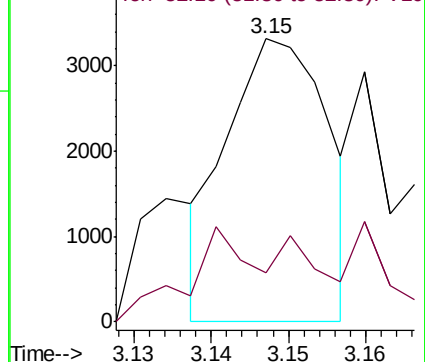
50 100

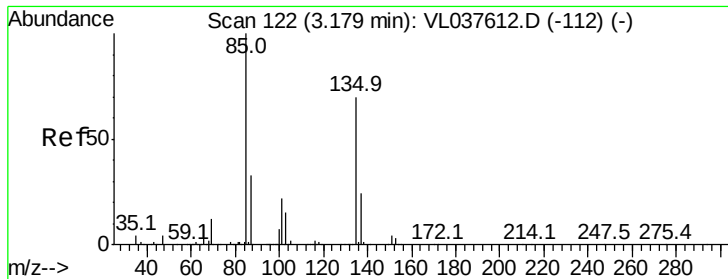
52 14.1 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.801 ppbv

RT: 3.34 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

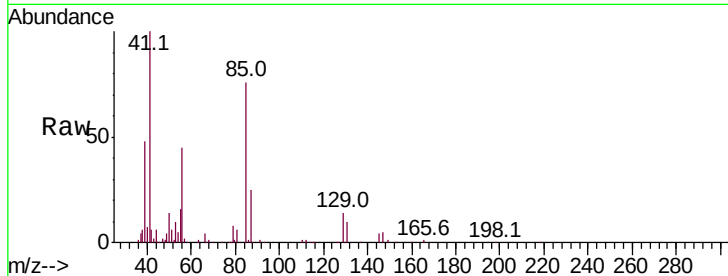
Acq: 28 Sep 2021 20:40

Tot Ion: 85 Resp: 176908

Ion Ratio Lower Upper

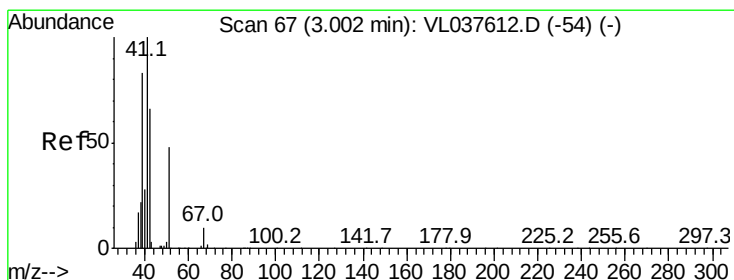
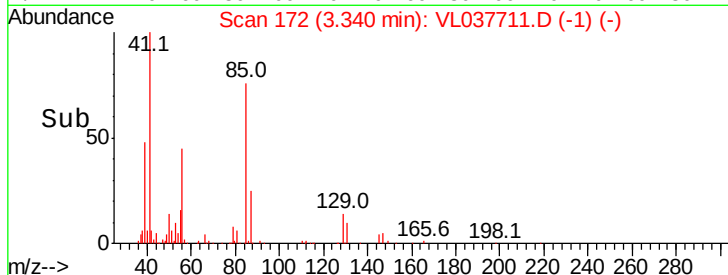
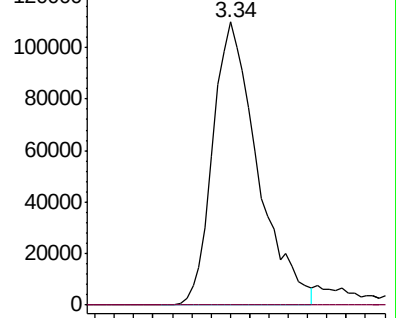
85 100

135 0.1 59.3 88.9#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 0.599 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037711.D

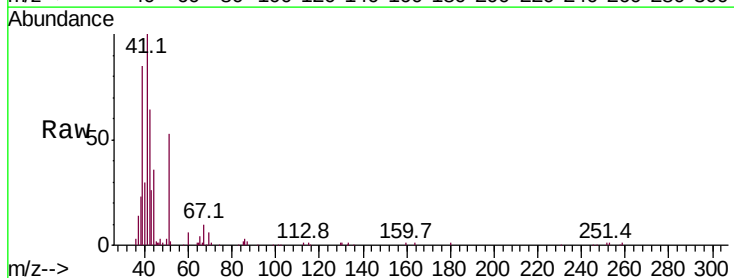
Acq: 28 Sep 2021 20:40

Tgt Ion: 41 Resp: 56347

Ion Ratio Lower Upper

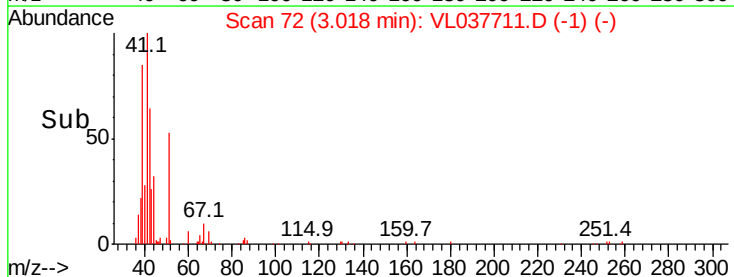
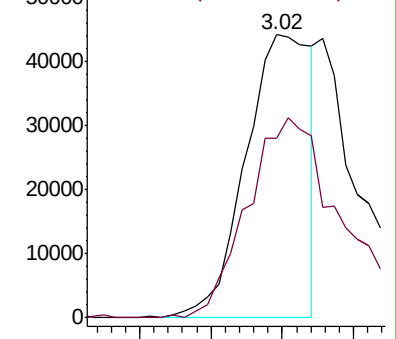
41 100

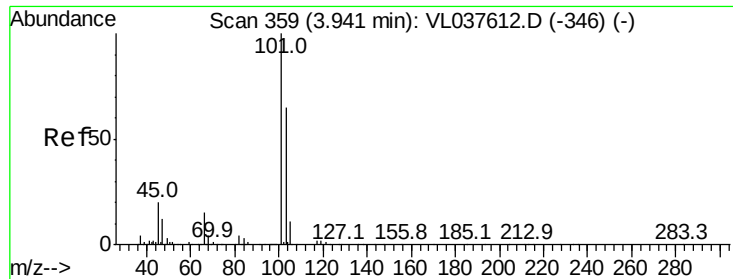
42 112.2 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

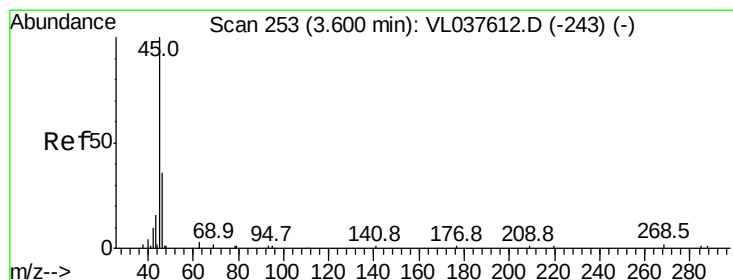
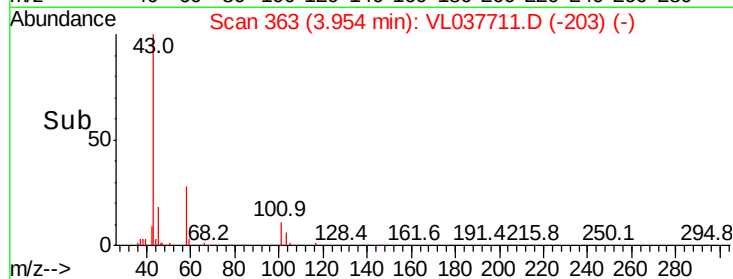
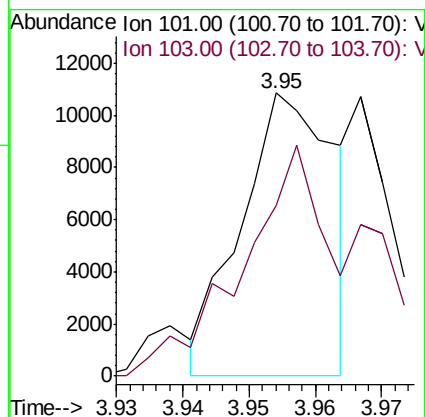
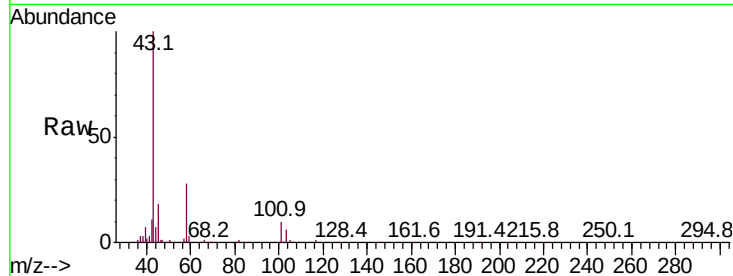
Ion 42.10 (41.80 to 42.80): VL0





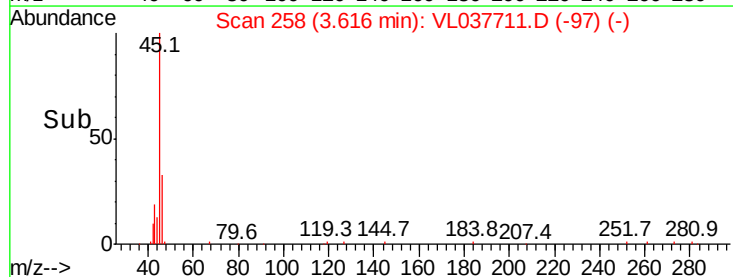
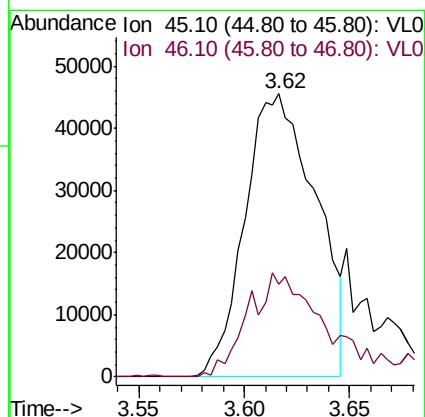
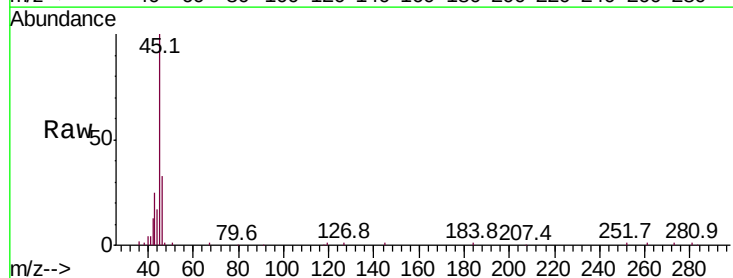
#11
 Trichlorofluoromethane
 Concen: 0.051 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 20:40

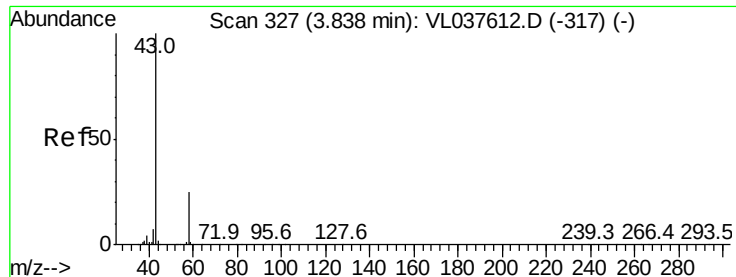
Tot Ion: 101 Resp: 10575
 Ion Ratio Lower Upper
 101 100
 103 57.4 51.9 77.9



#13
 Ethanol
 Concen: 11.556 ppbv
 RT: 3.62 min Scan# 258
 Delta R.T. 0.02 min
 Lab File: VL037711.D
 Acq: 28 Sep 2021 20:40

Tgt Ion: 45 Resp: 106363
 Ion Ratio Lower Upper
 45 100
 46 43.8 17.2 68.8





#15

Acetone

Concen: 62.950 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

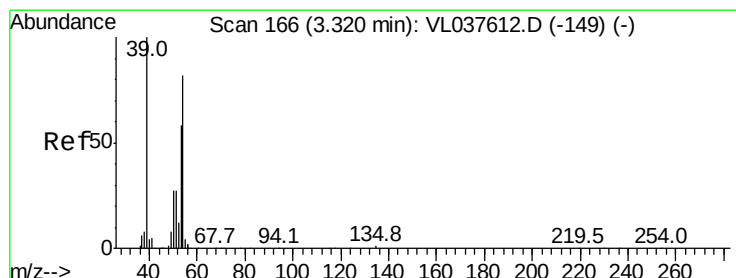
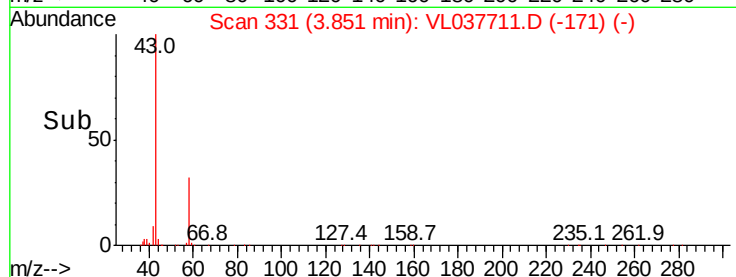
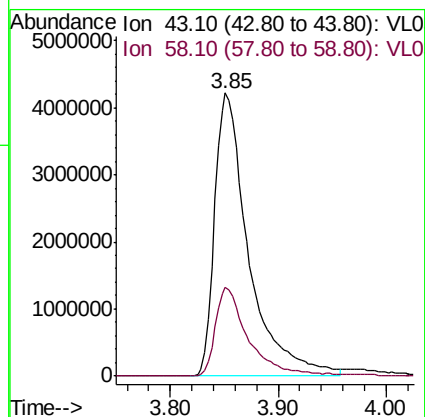
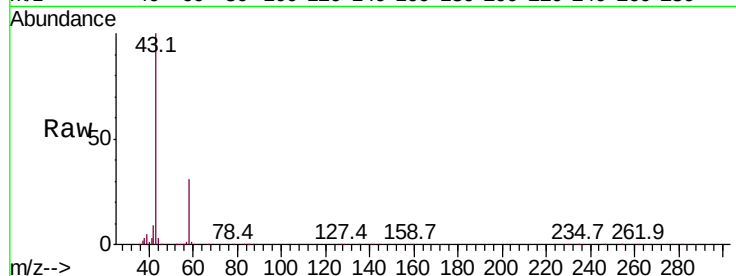
Acq: 28 Sep 2021 20:40

Tot Ion: 43 Resp: 9250273

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3



#16

1,3-Butadiene

Concen: 4.359 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037711.D

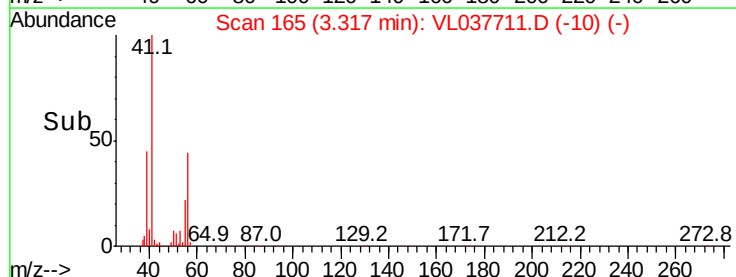
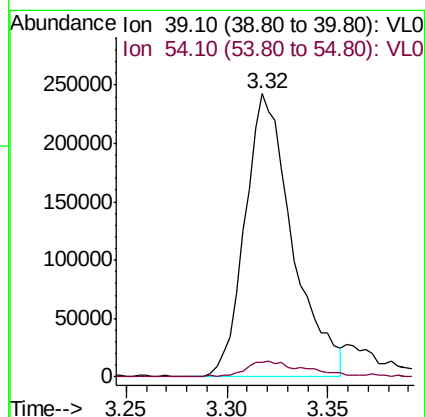
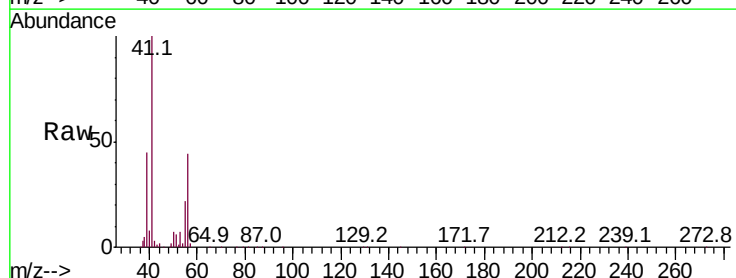
Acq: 28 Sep 2021 20:40

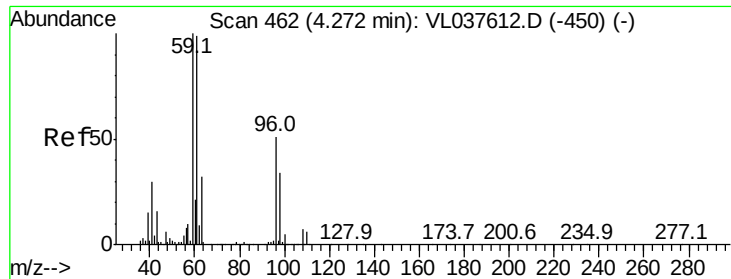
Tgt Ion: 39 Resp: 400215

Ion Ratio Lower Upper

39 100

54 7.5 62.6 93.8#





#17

tert-Butyl alcohol

Concen: 0.650 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

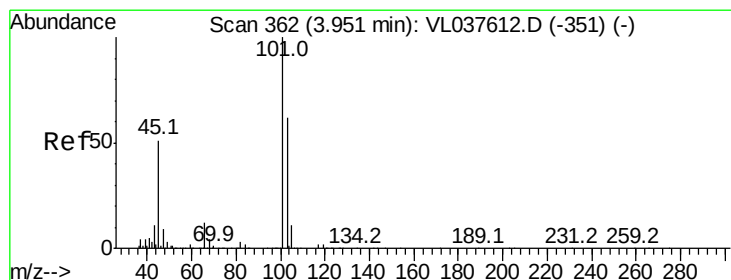
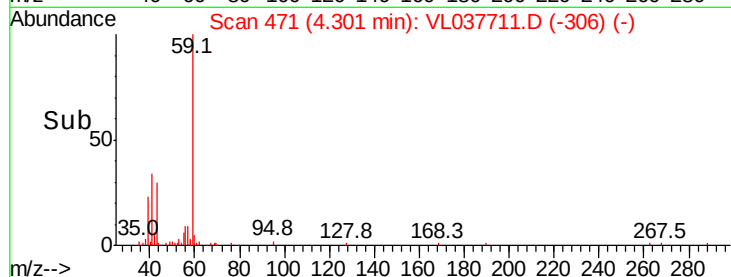
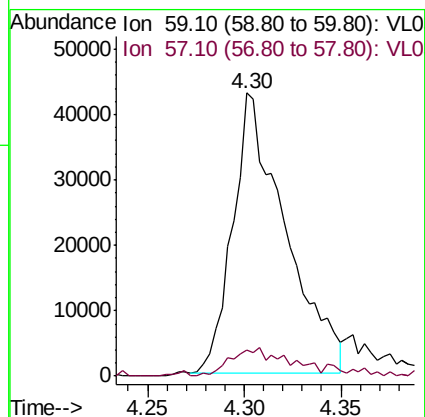
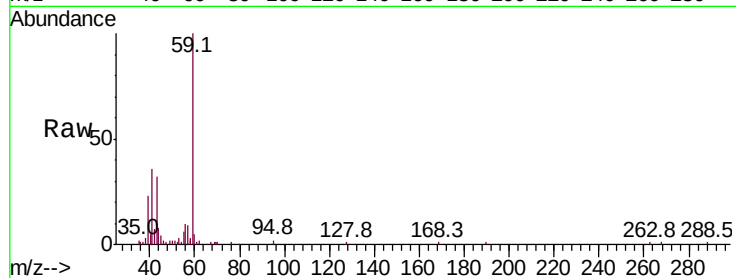
Acq: 28 Sep 2021 20:40

Tot Ion: 59 Resp: 81031

Ion Ratio Lower Upper

59 100

57 13.5 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 4.820 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.03 min

Lab File: VL037711.D

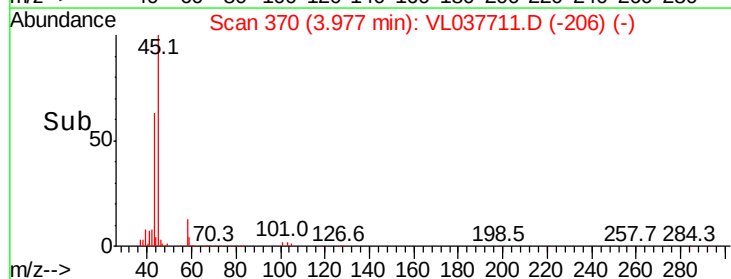
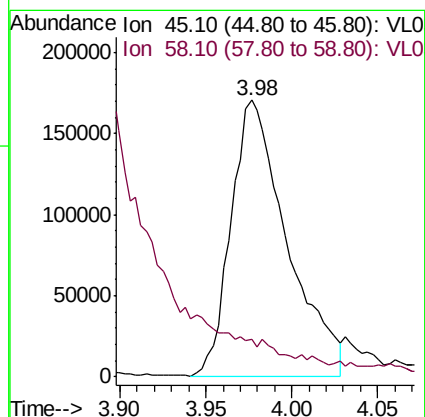
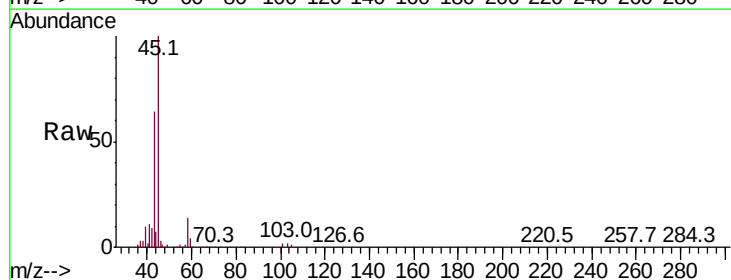
Acq: 28 Sep 2021 20:40

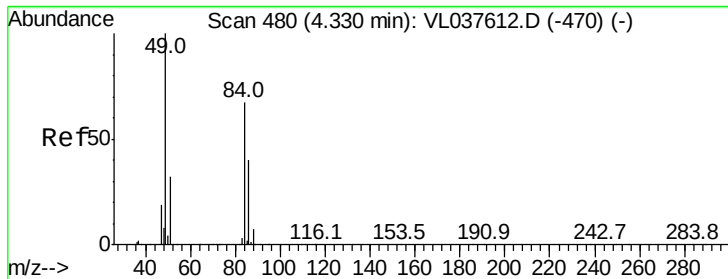
Tgt Ion: 45 Resp: 385348

Ion Ratio Lower Upper

45 100

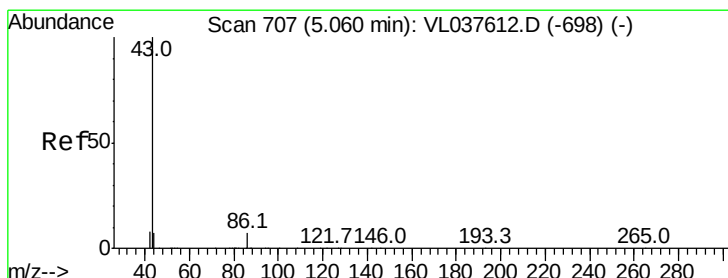
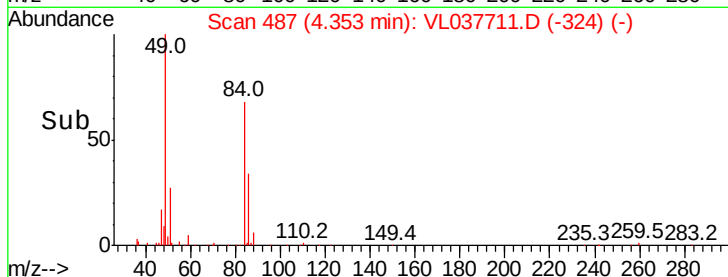
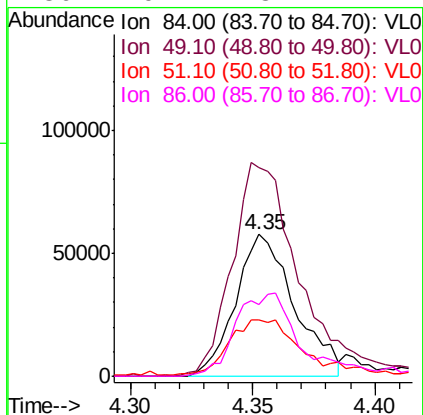
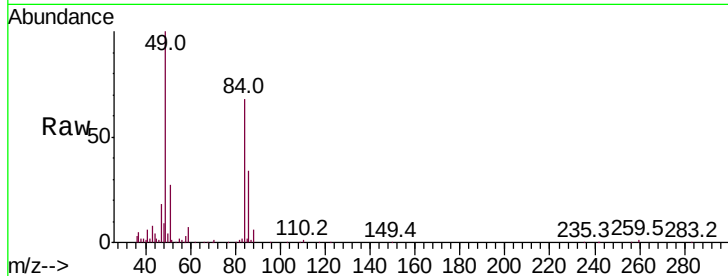
58 0.0 2.9 4.3#





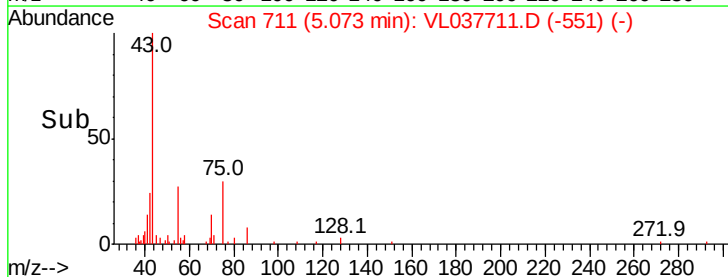
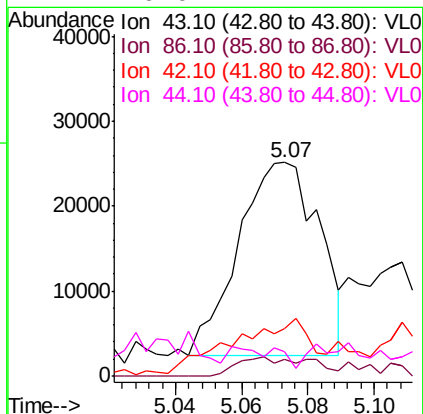
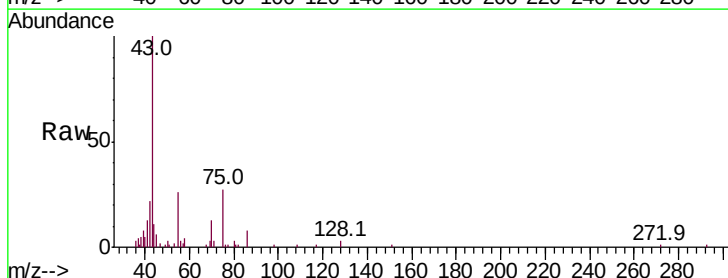
#20
Methvlene Chloride
Concen: 1.379 ppbv
RT: 4.35 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:40

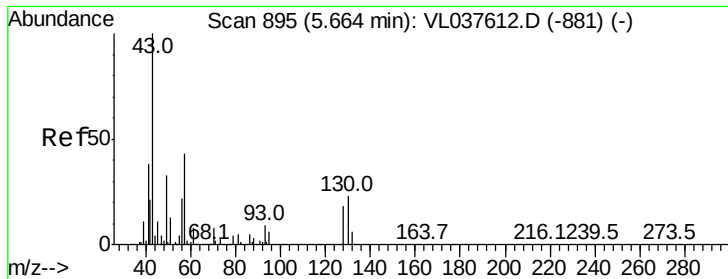
Tot Ion:	84	Resp:	96760
Ion	Ratio	Lower	Upper
84	100		
49	145.0	120.0	180.0
51	37.5	38.0	57.0#
86	49.1	48.2	72.2



#23
Vinyl Acetate
Concen: 0.190 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.01 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

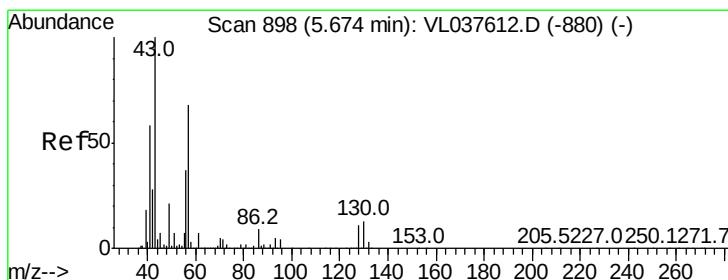
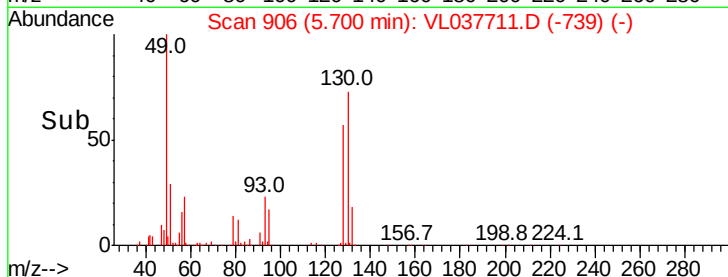
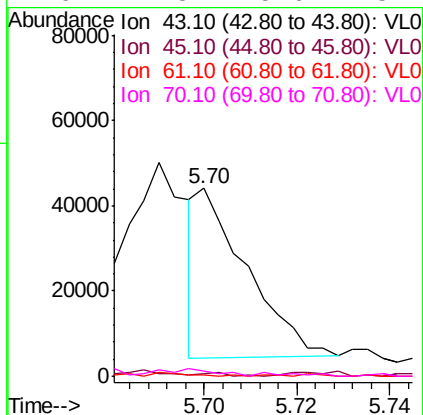
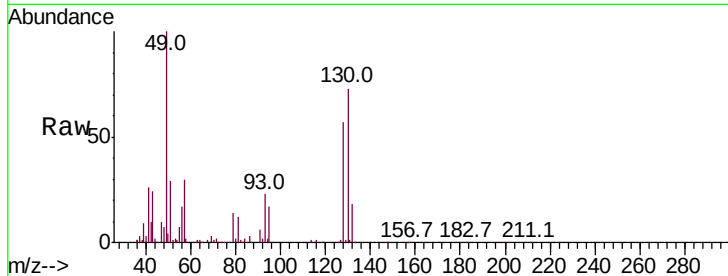
Tgt Ion:	43	Resp:	38566
Ion	Ratio	Lower	Upper
43	100		
86	8.9	5.0	7.6#
42	13.4	7.5	11.3#
44	0.0	4.7	7.1#





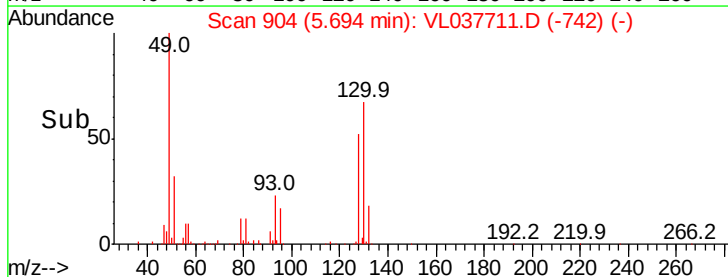
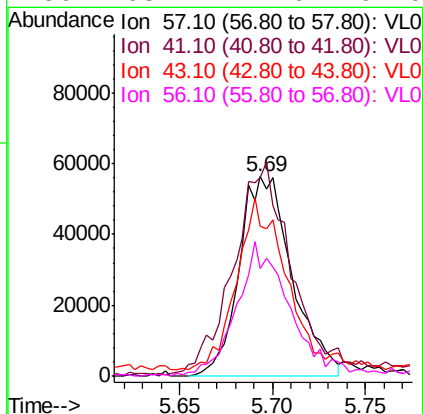
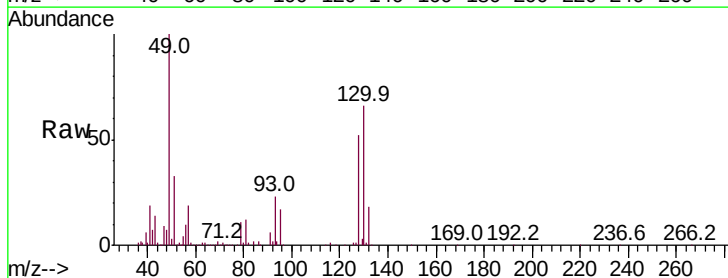
#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.70 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 20:40

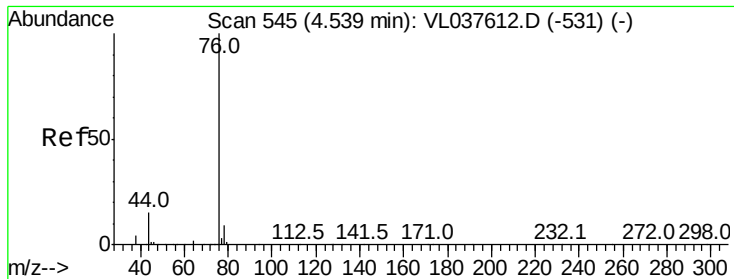
Tot Ion:	43	Resp:	29493
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	7.5	11.3#
70	11.8	5.6	8.4#



#26
Hexane
Concen: 0.661 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.02 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion:	57	Resp:	111677
Ion	Ratio	Lower	Upper
57	100		
41	124.6	70.9	106.3#
43	80.9	170.4	255.6#
56	68.7	42.6	64.0#





#27

Carbon Disulfide

Concen: 0.041 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 28 Sep 2021 20:40

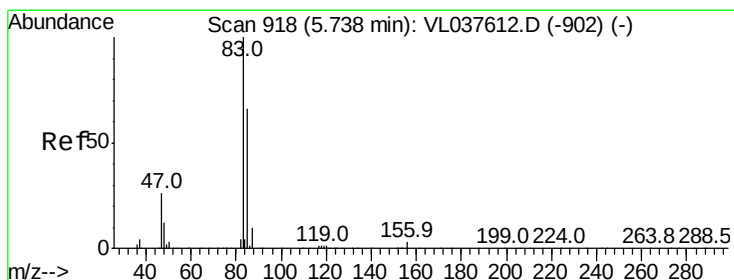
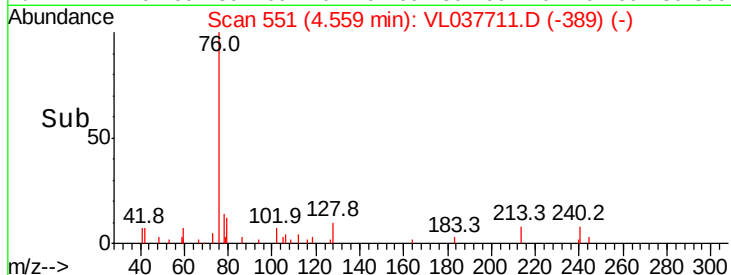
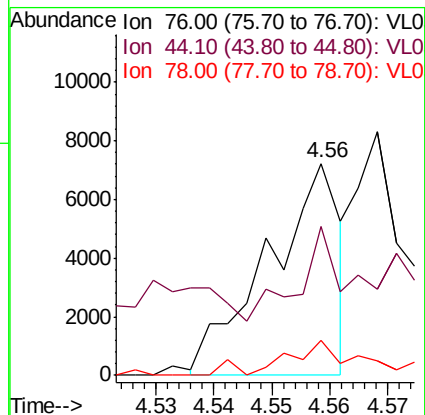
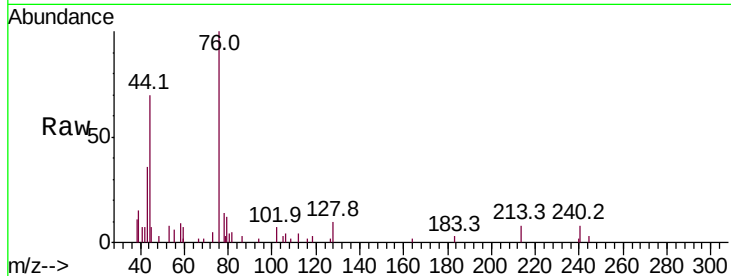
Tot Ion: 76 Resp: 6266

Ion Ratio Lower Upper

76 100

44 59.0 14.2 21.2#

78 23.7 7.4 11.0#



#29

Chloroform

Concen: 0.263 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.03 min

Lab File: VL037711.D

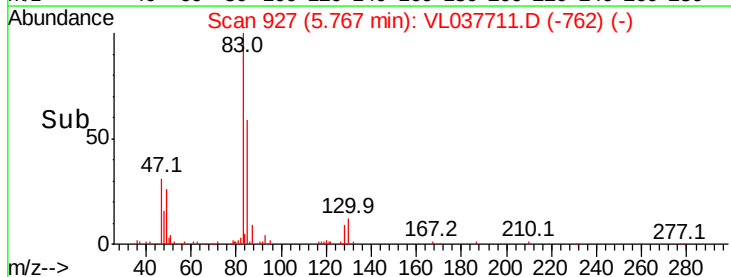
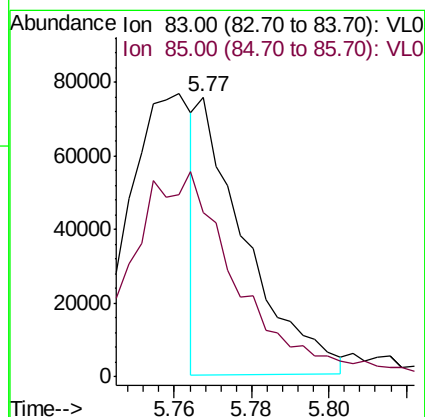
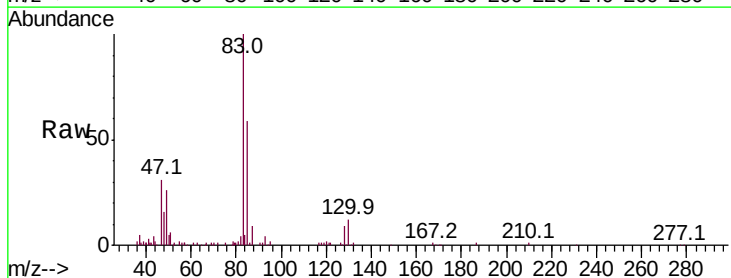
Acq: 28 Sep 2021 20:40

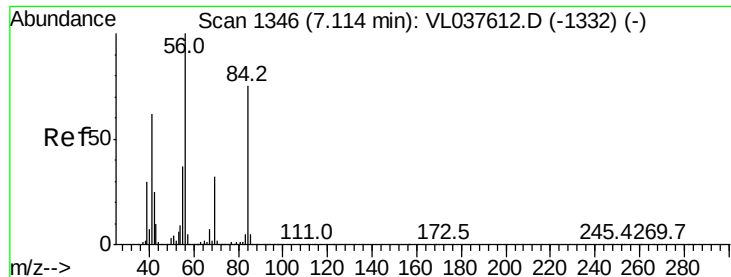
Tgt Ion: 83 Resp: 64947

Ion Ratio Lower Upper

83 100

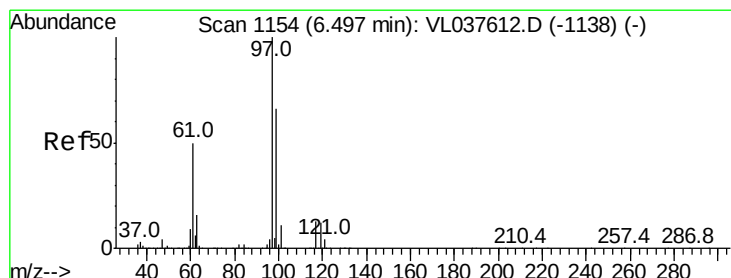
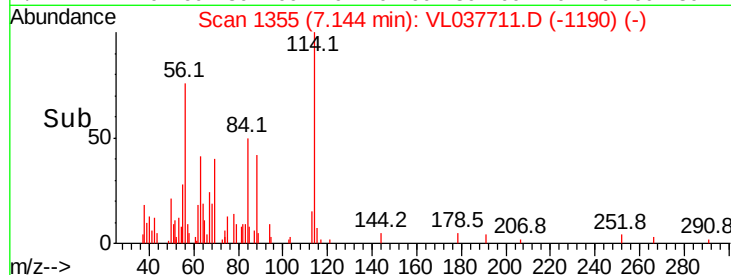
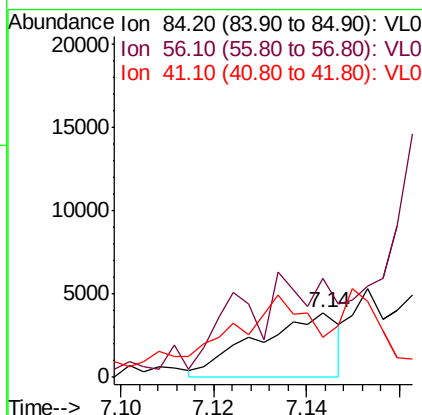
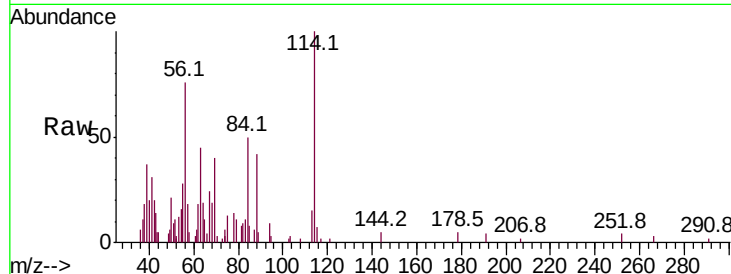
85 57.1 52.6 79.0





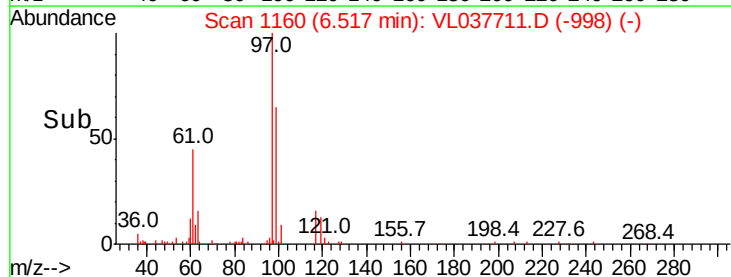
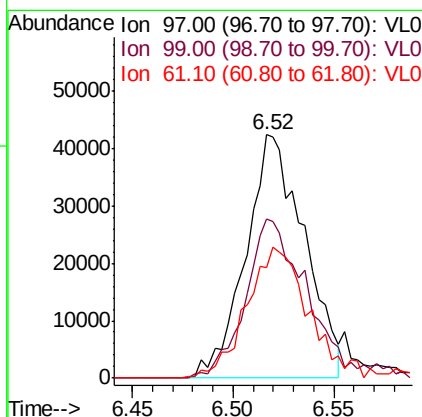
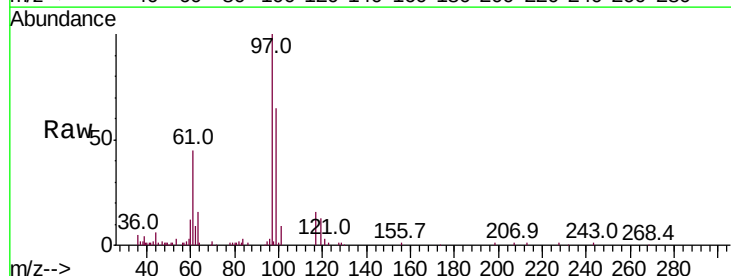
#30
Cvclohexane
Concen: 0.033 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:40

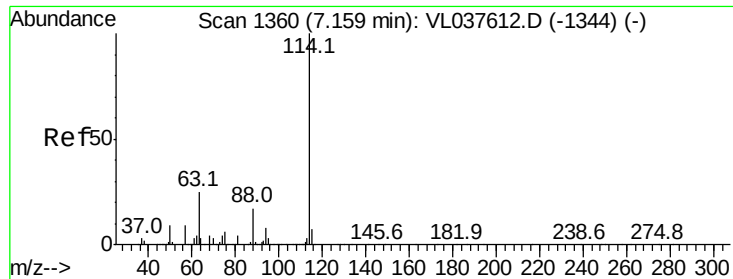
Tot Ion: 84 Resp: 4726
Ion Ratio Lower Upper
84 100
56 0.0 113.6 170.4#
41 0.0 67.9 101.9#



#32
1,1,1-Trichloroethane
Concen: 0.372 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.02 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion: 97 Resp: 85572
Ion Ratio Lower Upper
97 100
99 70.7 52.3 78.5
61 56.6 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

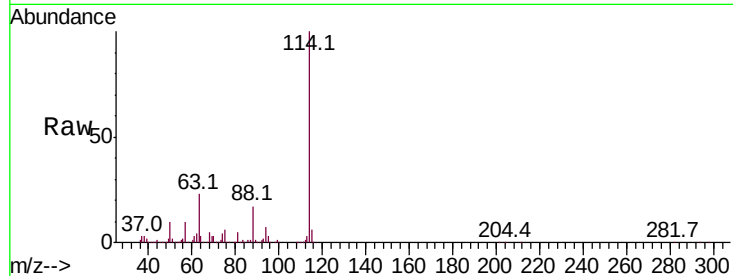
Delta R.T.:

Lab File: ClientSampleId:

Acq: 28 Sep 2021 20:40

Tot Ion:114 Resp: 4139296

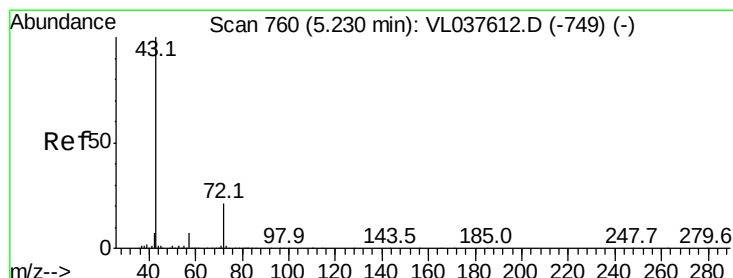
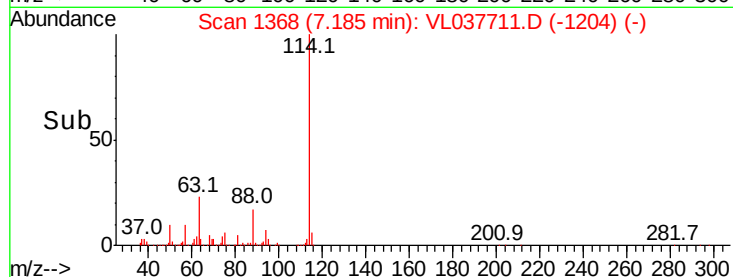
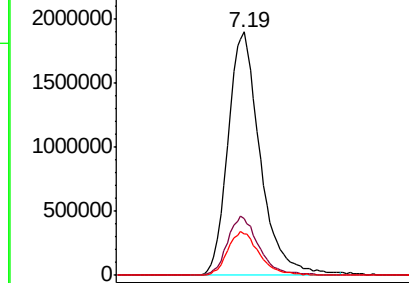
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	18.0	14.2	21.4



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: 6.572 ppbv

RT: 5.25 min Scan# 766

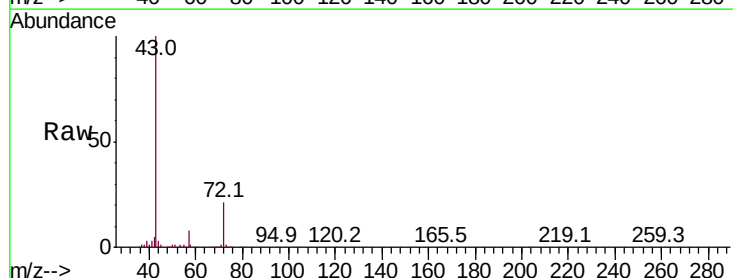
Delta R.T. 0.02 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

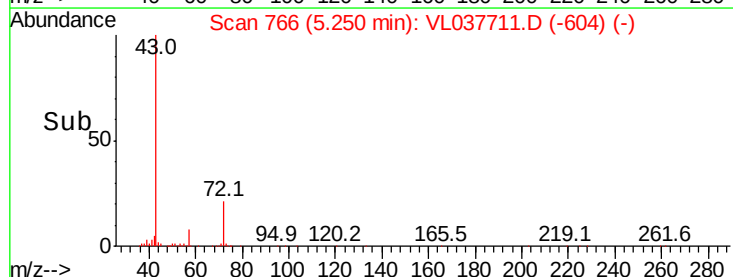
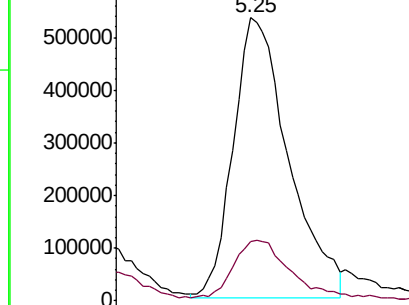
Tgt Ion: 43 Resp: 1105502

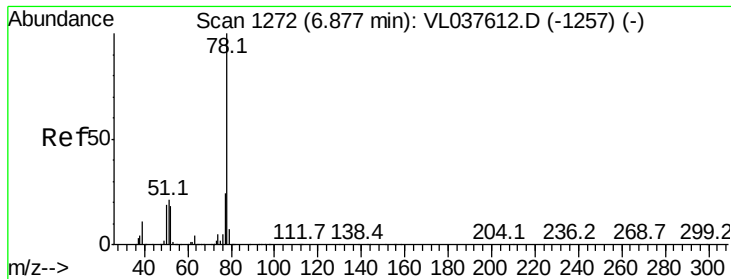
Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.4	27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

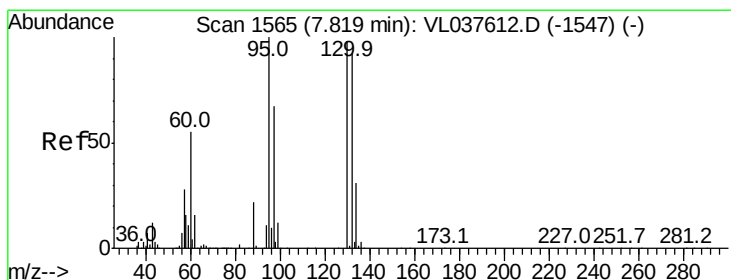
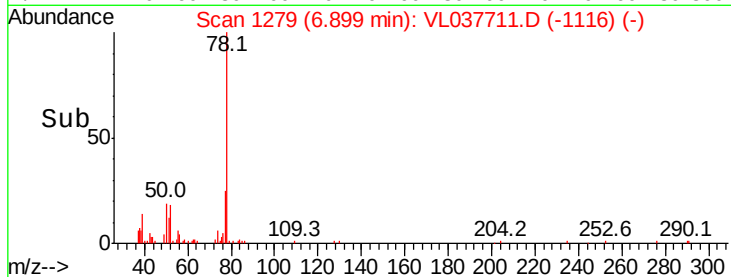
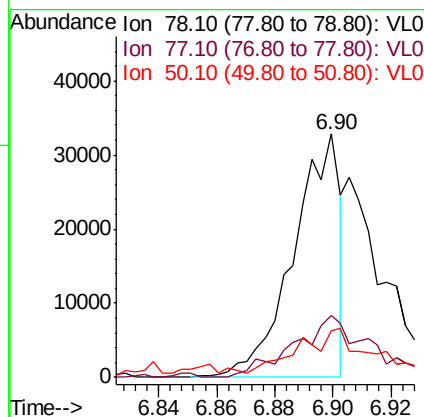
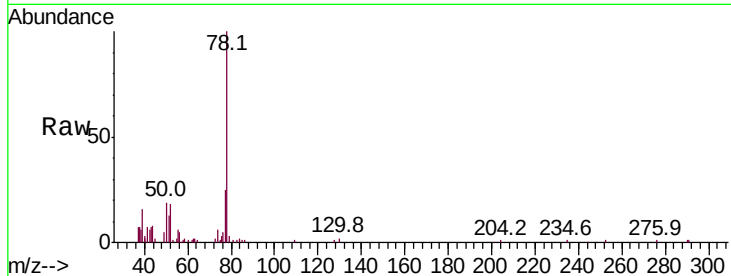
Ion 72.10 (71.80 to 72.80): VL0





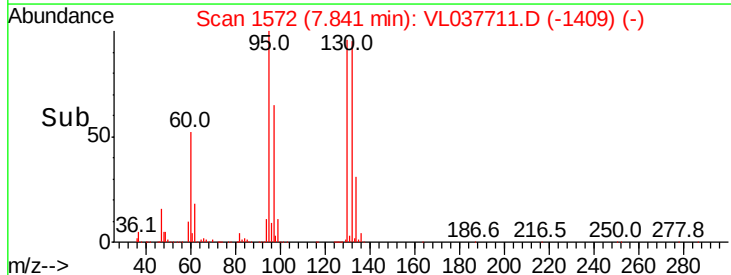
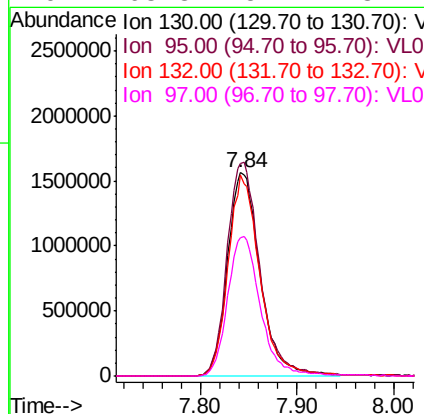
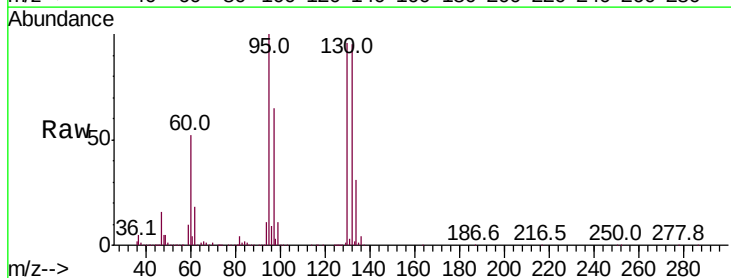
#36
Benzene
Concen: 0.105 ppbv
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 28 Sep 2021 20:40

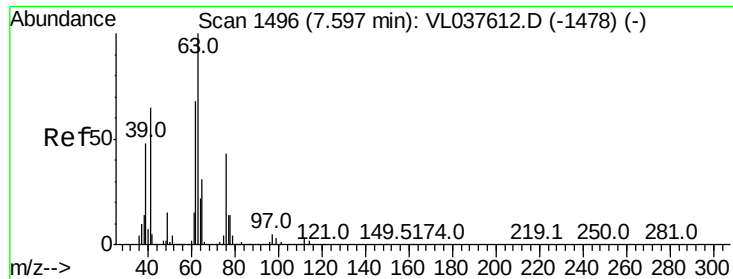
Tot Ion: 78 Resp: 36414
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4
50 13.7 14.8 22.2#



#38
Trichloroethene
Concen: 25.358 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion: 130 Resp: 3656171
Ion Ratio Lower Upper
130 100
95 104.7 81.8 122.6
132 99.1 75.3 112.9
97 68.3 54.7 82.1





#39

1,2-Dichloropropane

Concen: 7.449 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 28 Sep 2021 20:40

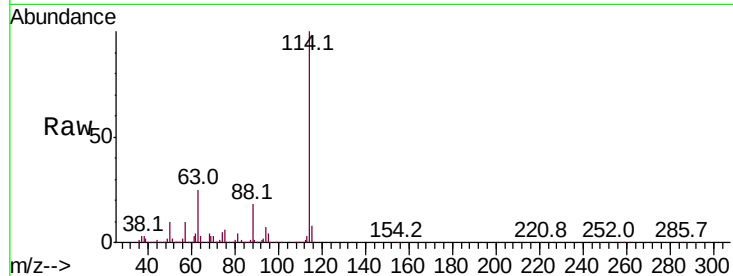
Tot Ion: 63 Resp: 984839

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

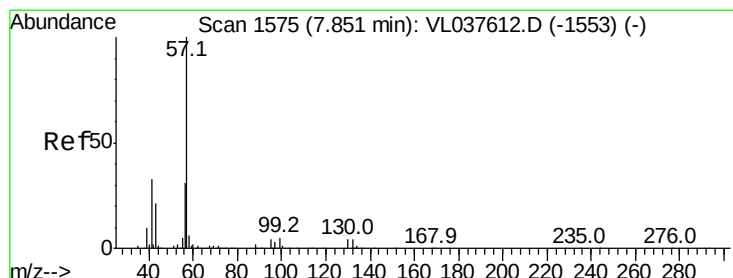
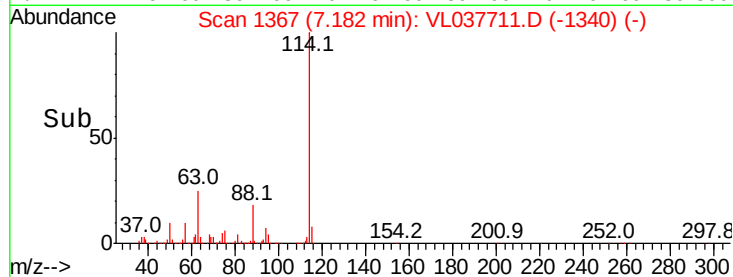
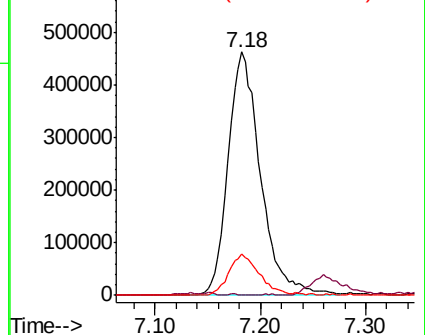
62 16.7 54.6 81.8#



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



#44

2,2,4-Trimethylpentane

Concen: 0.075 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.03 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

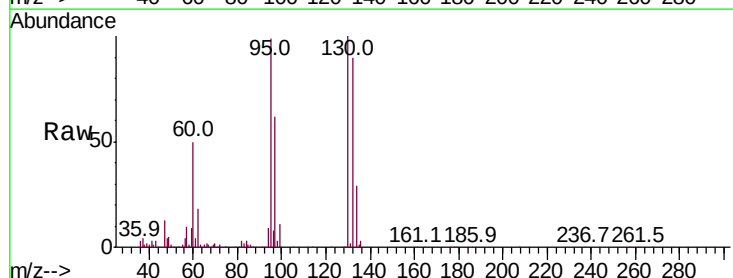
Tgt Ion: 57 Resp: 43503

Ion Ratio Lower Upper

57 100

41 57.1 26.1 39.1#

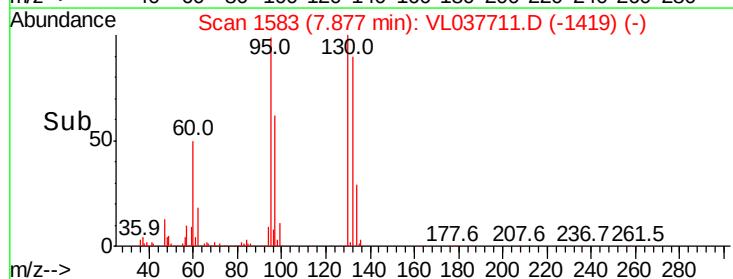
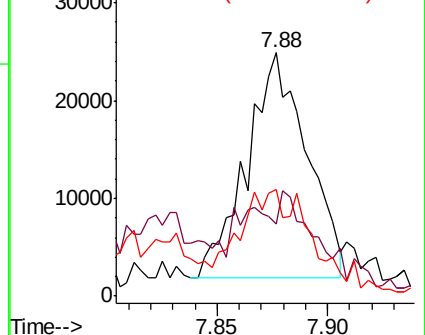
56 64.4 25.7 38.5#

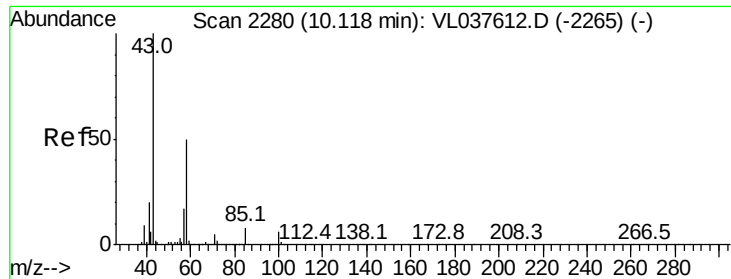


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#51

2-Hexanone

Concen: 3.548 ppbv

RT: 10.15

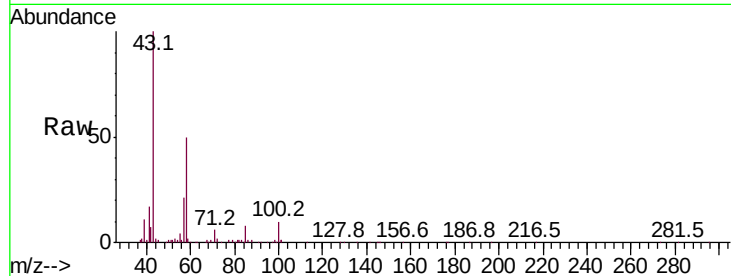
Delta R.T. MSVOA_L

Lab File:

Acq: 28 Sep 2021 20:40

Tot Ion: 43 Resp: 334233

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.3	58.9
98	1.4	0.4	0.6#

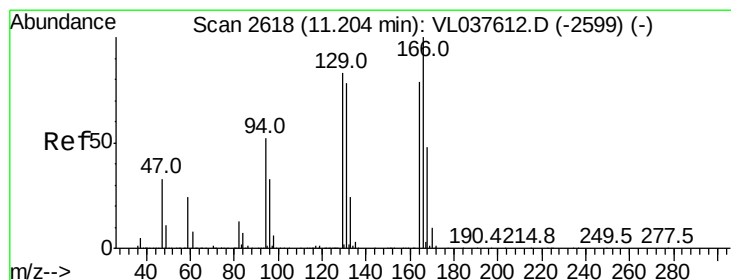
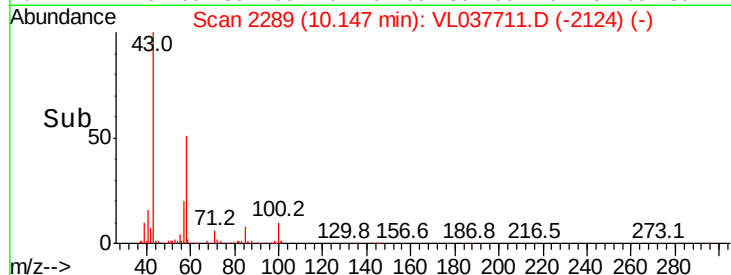
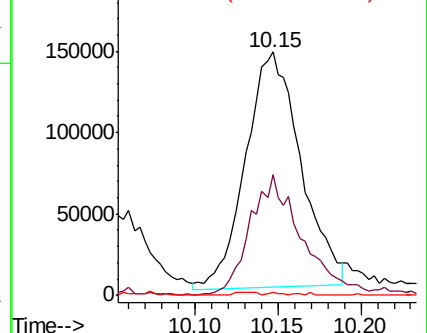


Abundance

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: 21.740 ppbv

RT: 11.23 min Scan# 2627

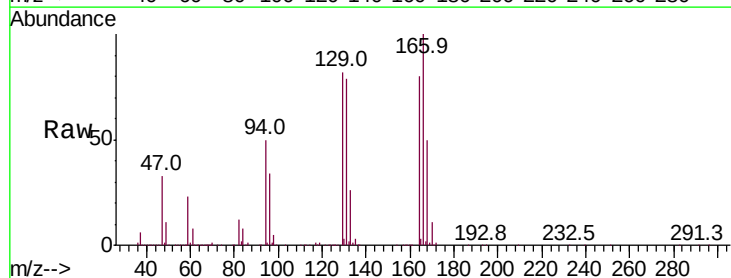
Delta R.T. 0.03 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

Tgt Ion: 164 Resp: 2880735

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.2	151.8
129	101.5	84.0	126.0
131	97.8	78.8	118.2



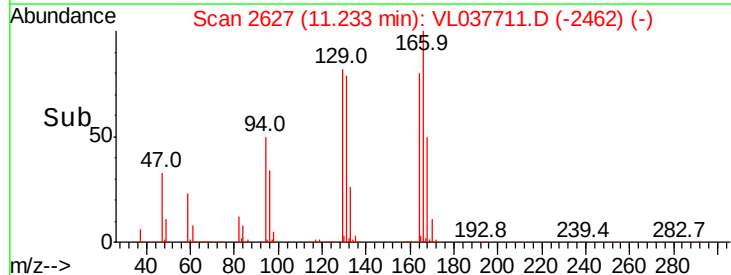
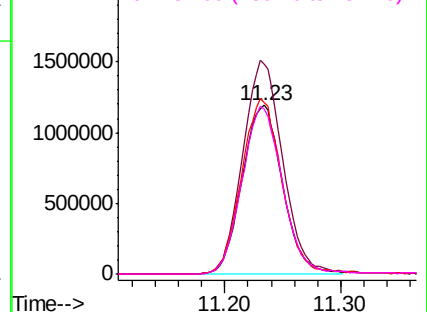
Abundance

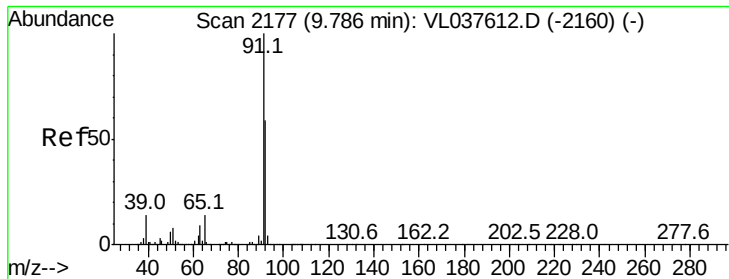
Ion 163.90 (163.60 to 164.60): V

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: 0.601 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

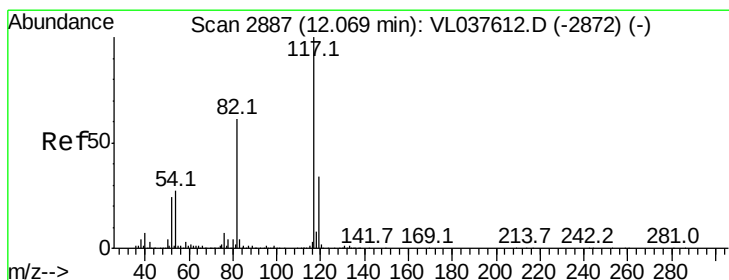
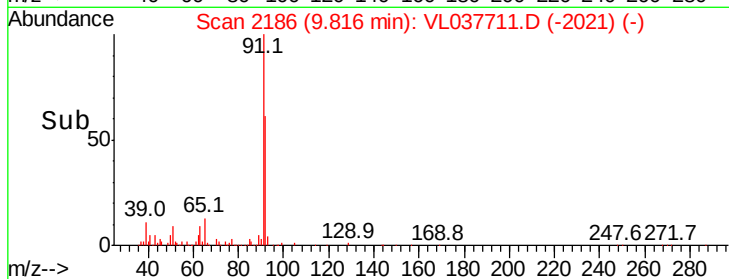
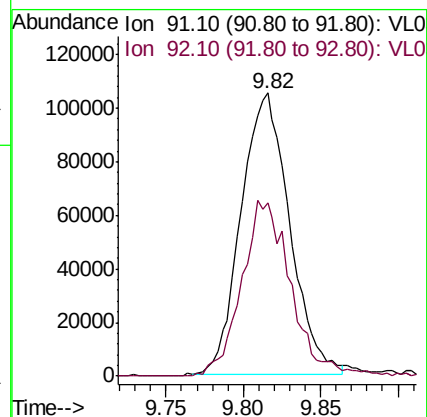
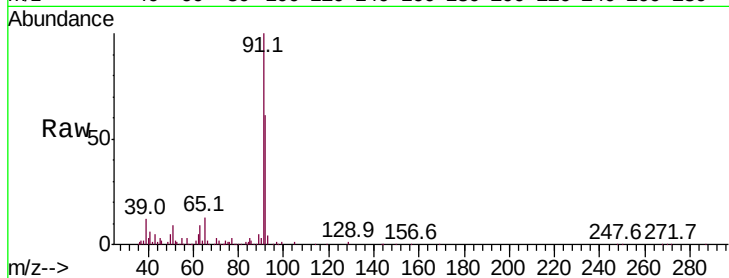
Acq: 28 Sep 2021 20:40

Tot Ion: 91 Resp: 230427

Ion Ratio Lower Upper

91 100

92 63.2 48.9 73.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.02 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

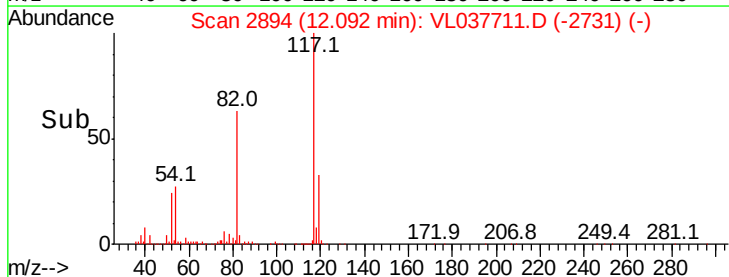
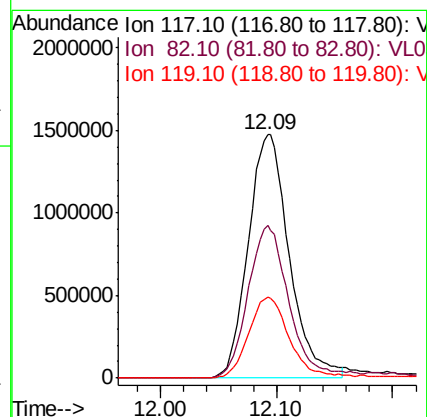
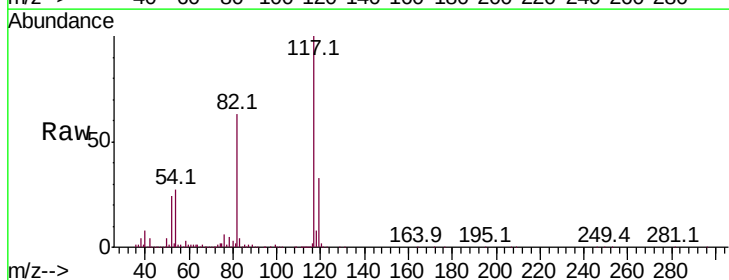
Tgt Ion: 117 Resp: 3629442

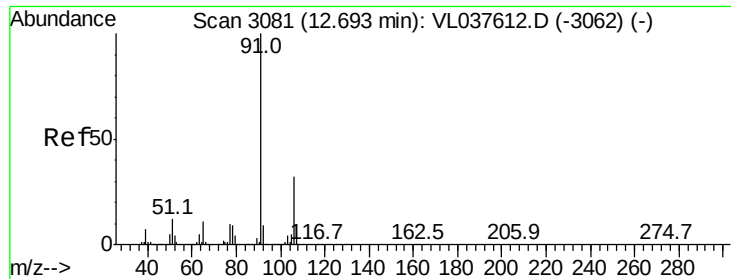
Ion Ratio Lower Upper

117 100

82 65.6 50.6 75.8

119 34.1 26.2 39.2





#58

Ethyl Benzene

Concen: 0.305 ppbv

RT: 12.72

Delta R.T. MSVOA_L

Lab File:

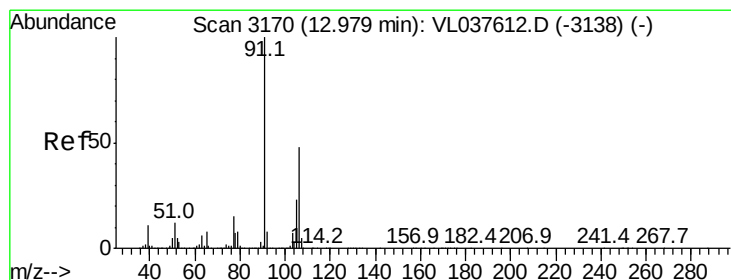
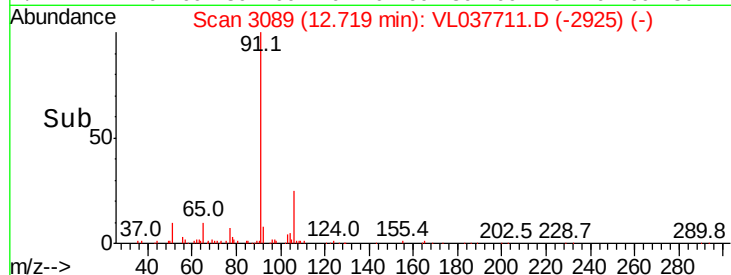
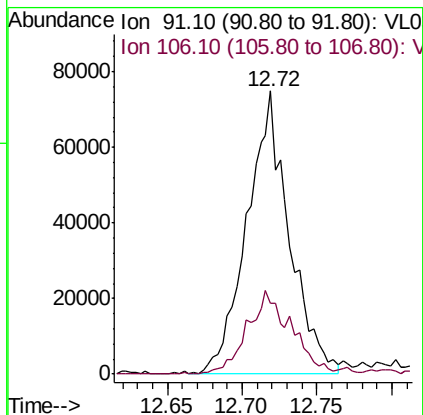
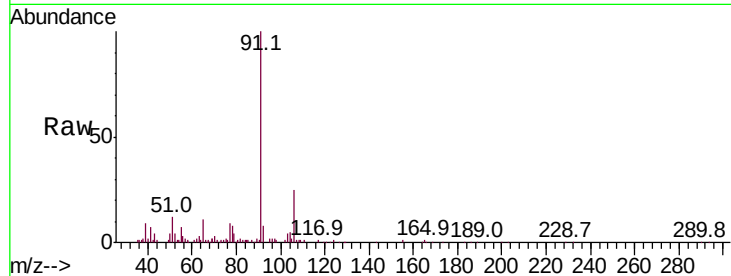
Acq: 28 Sep 2021 20:40

Tot Ion: 91 Resp: 147139

Ion Ratio Lower Upper

91 100

106 24.9 25.3 37.9#



#59

m/p-Xylene

Concen: 0.294 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. 0.02 min

Lab File: VL037711.D

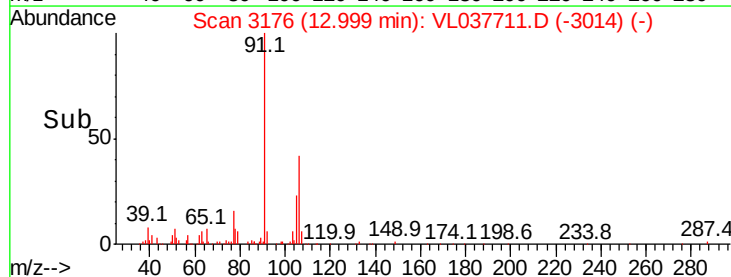
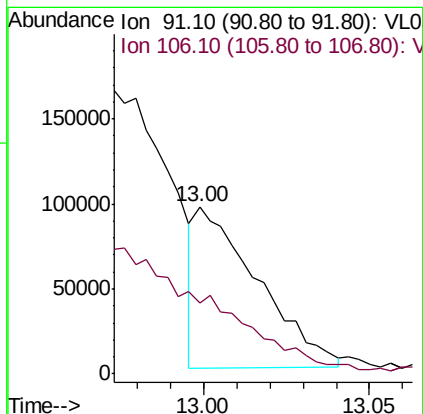
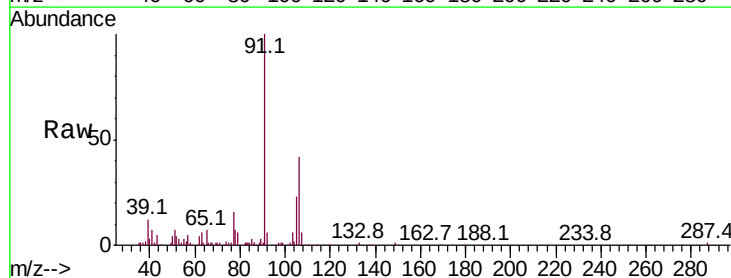
Acq: 28 Sep 2021 20:40

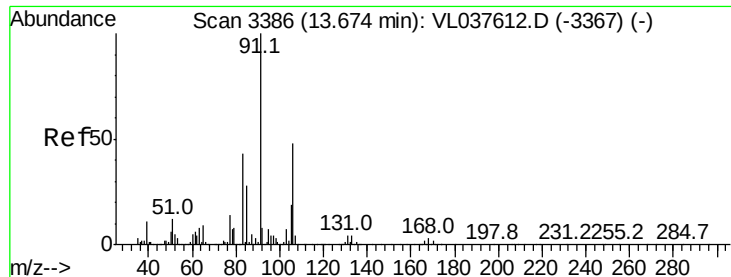
Tgt Ion: 91 Resp: 123337

Ion Ratio Lower Upper

91 100

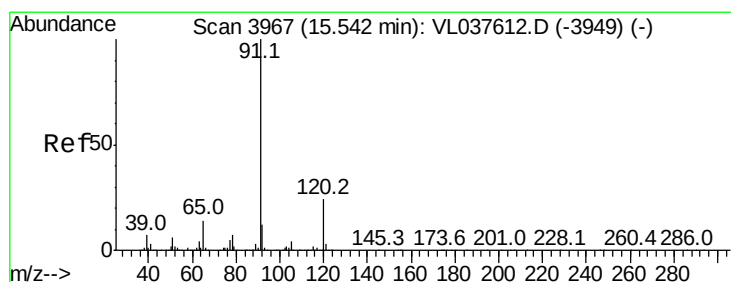
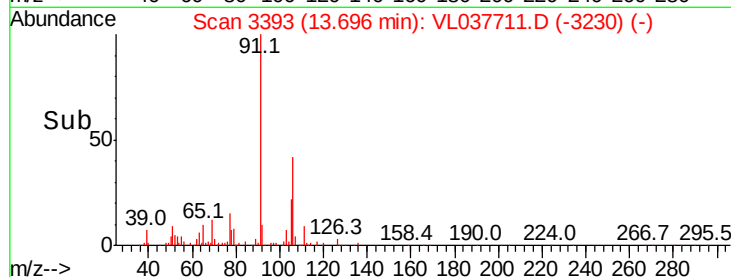
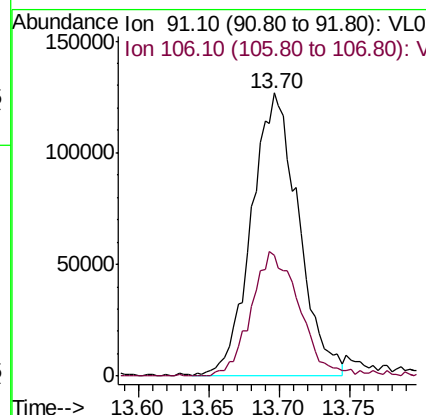
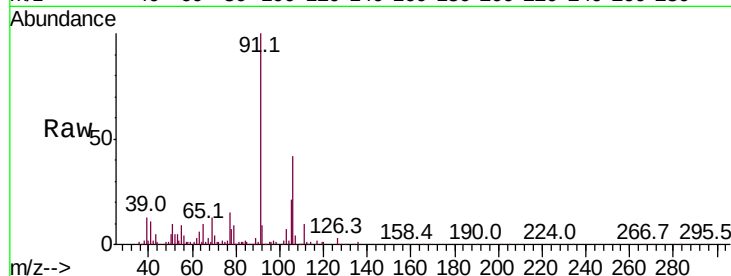
106 0.0 36.6 55.0#





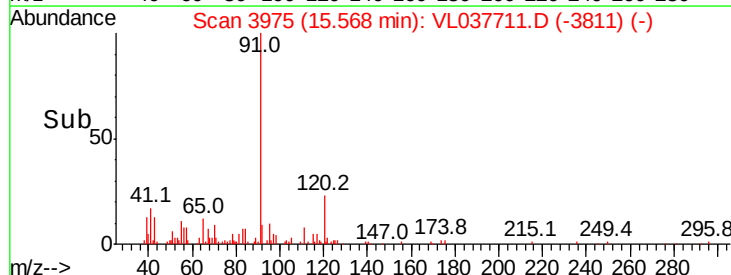
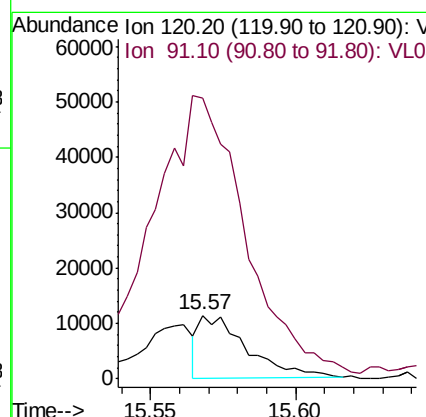
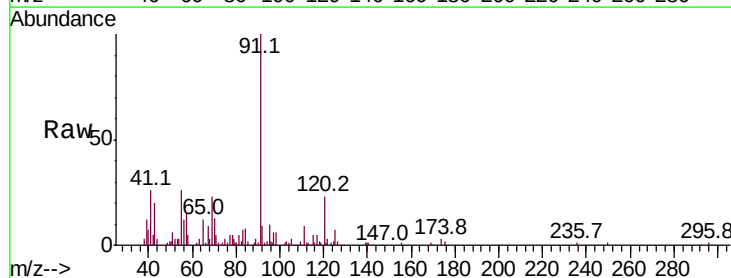
#60
o-Xylene
Concen: 0.733 ppbv
RT: 13.70 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:40

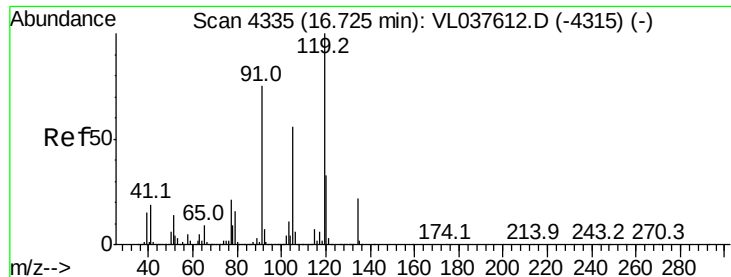
Tot Ion	Ratio	Lower	Upper
91	100		
106	46.3	23.0	69.0



#64
n-propylbenzene
Concen: 0.090 ppbv
RT: 15.57 min Scan# 3975
Delta R.T. 0.03 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion	Ratio	Lower	Upper
120	100		
91	881.2	345.0	517.4#





#65

tert-Butylbenzene

Concen: 0.068 ppbv

RT: 16.76 min

Delta R.T. MSVOA_1

Lab File:

Acq: 28 Sep 2021 20:40

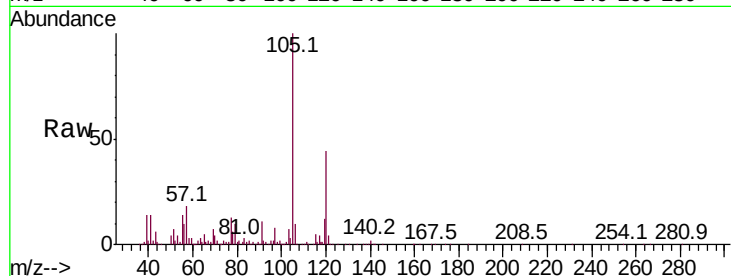
Tot Ion: 119 Resp: 34076

Ion Ratio Lower Upper

119 100

91 0.0 61.9 92.9#

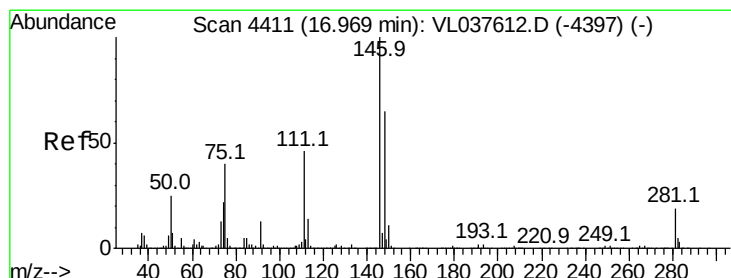
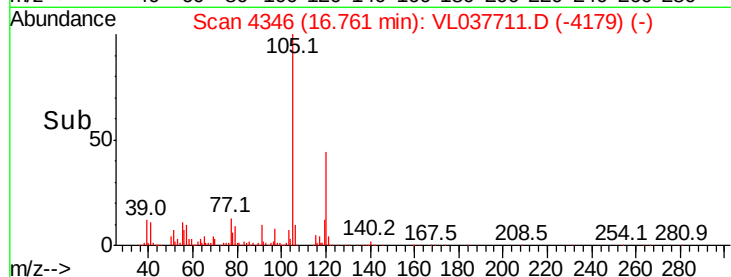
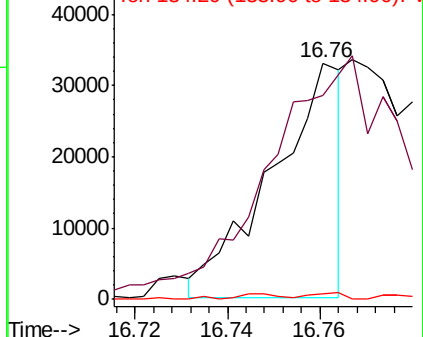
134 0.0 16.5 24.7#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.031 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.03 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

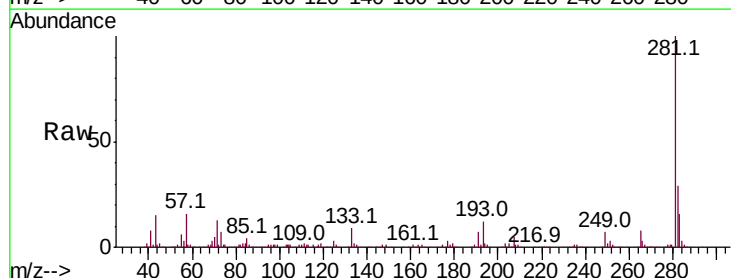
Tgt Ion: 91 Resp: 846

Ion Ratio Lower Upper

91 100

126 0.0 14.4 21.6#

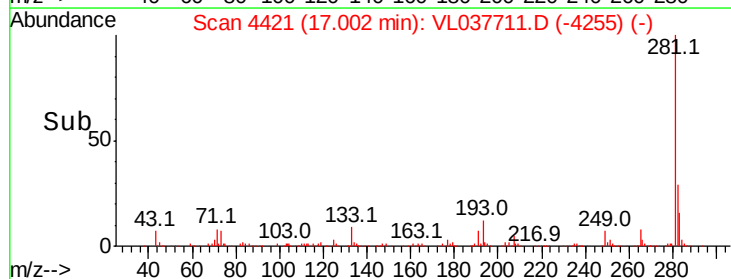
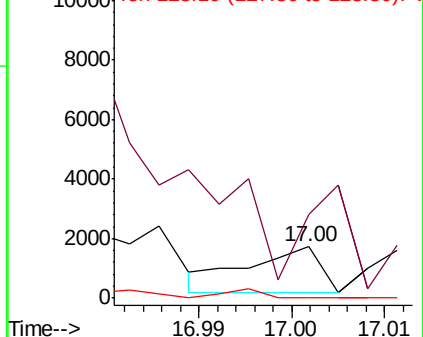
128 0.0 5.7 8.5#

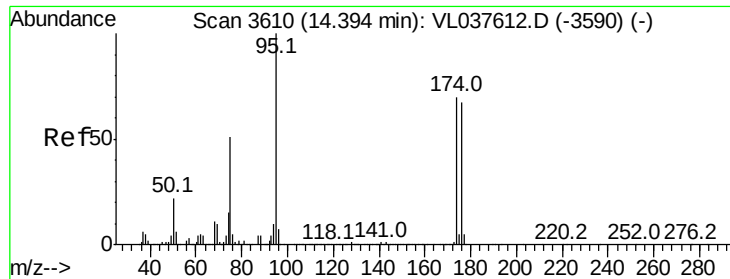


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

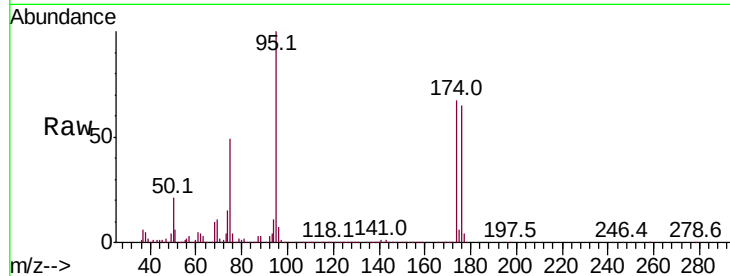
Ion 128.10 (127.80 to 128.80): V



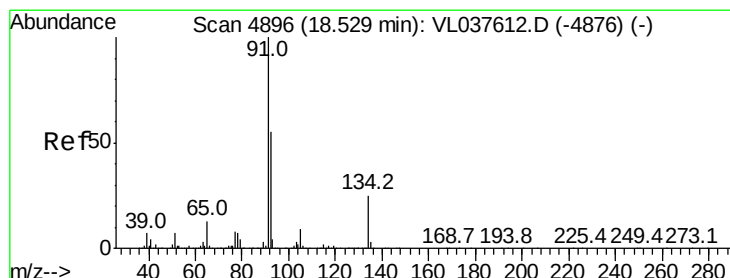
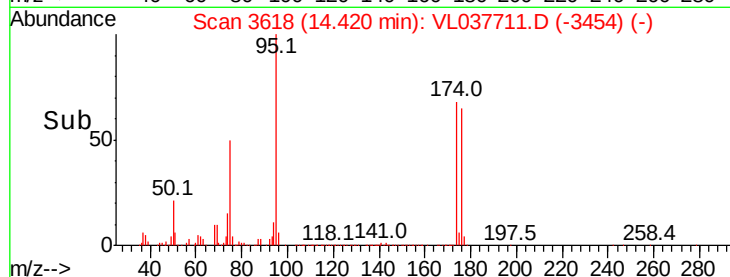
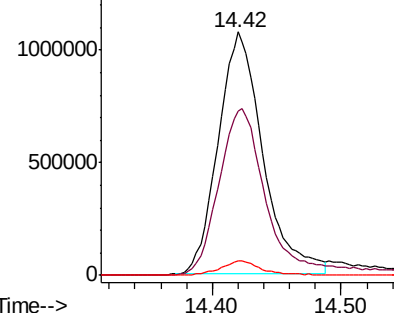


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.909 ppbv
 RT: 14.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 20:40

Tot Ion: 95 Resp: 2599214
 Ion Ratio Lower Upper
 95 100
 174 77.0 56.3 84.5
 175 5.8 4.4 6.6

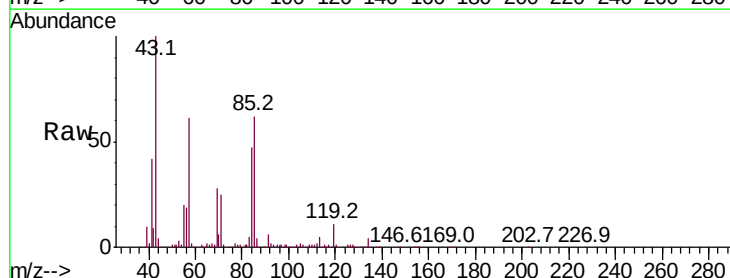


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

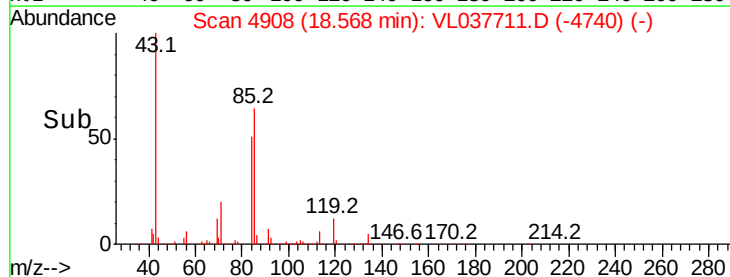
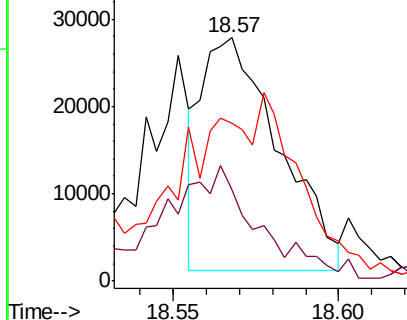


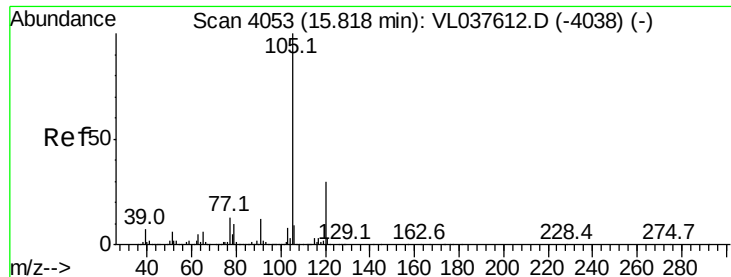
#70
 n-Butylbenzene
 Concen: 0.082 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.04 min
 Lab File: VL037711.D
 Acq: 28 Sep 2021 20:40

Tgt Ion: 91 Resp: 43280
 Ion Ratio Lower Upper
 91 100
 92 70.8 44.0 66.0#
 134 152.9 19.5 29.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.270 ppbv

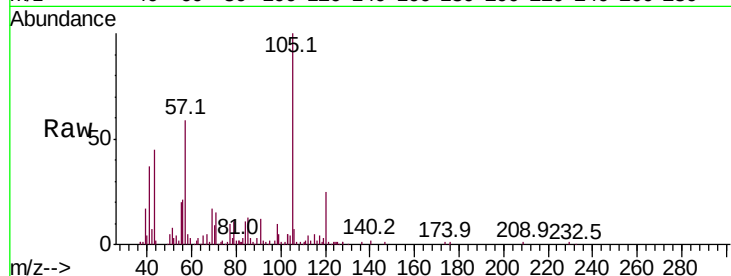
RT: 15.84

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 28 Sep 2021 20:40

Tot Ion:	105	Resp:	123970
Ion	Ratio	Lower	Upper
105	100		
120	33.2	24.7	37.1
91	14.2	9.9	14.9
77	16.9	10.5	15.7#

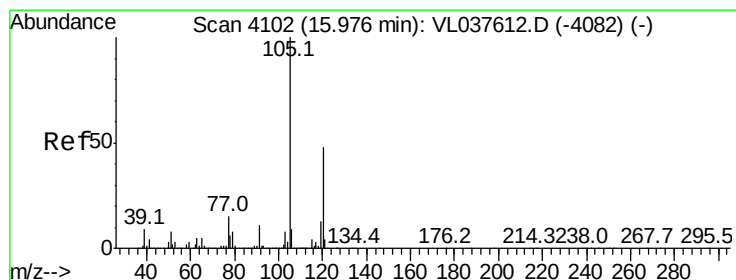
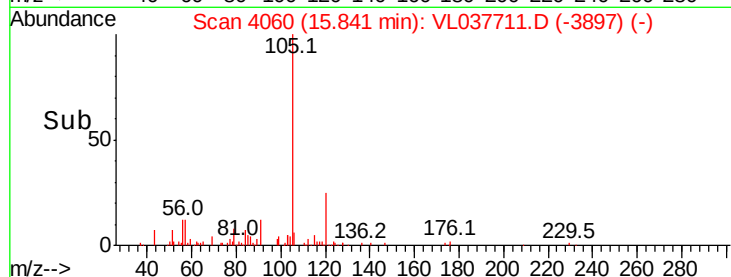
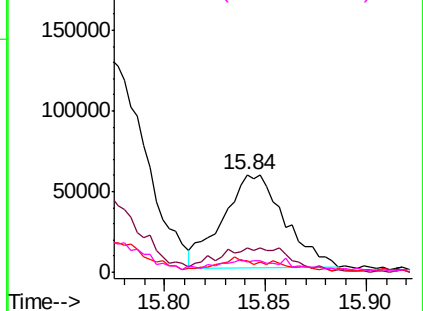


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.172 ppbv

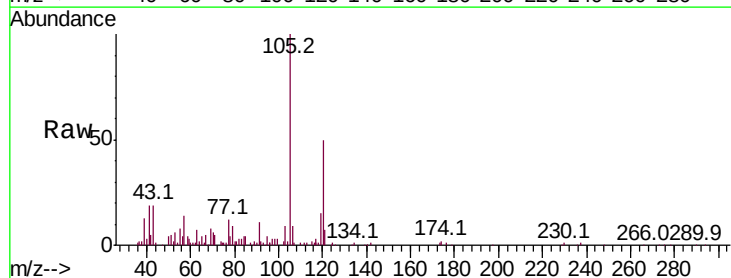
RT: 16.00 min Scan# 4111

Delta R.T. 0.03 min

Lab File: VL037711.D

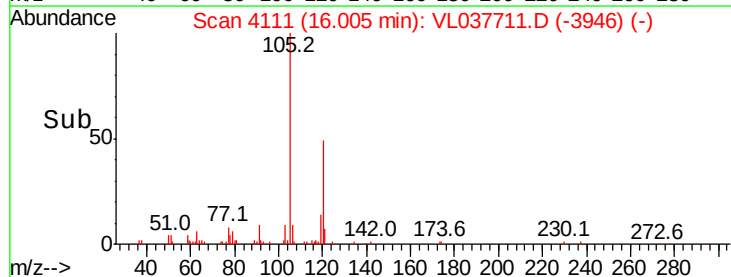
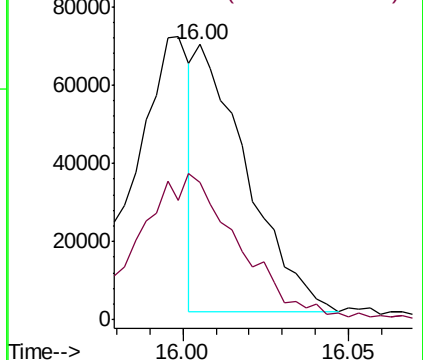
Acq: 28 Sep 2021 20:40

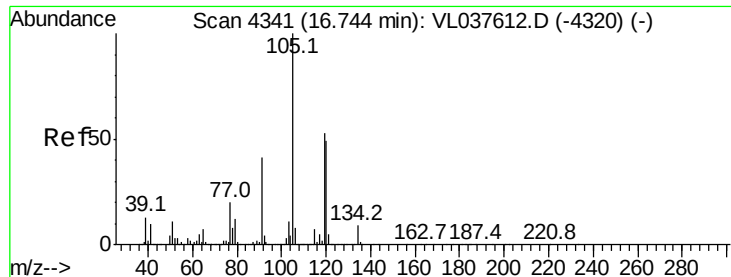
Tgt Ion:	105	Resp:	73601
Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.3	57.5



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: 1.513 ppbv

RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 20:40

Tot Ion:105 Resp: 681285

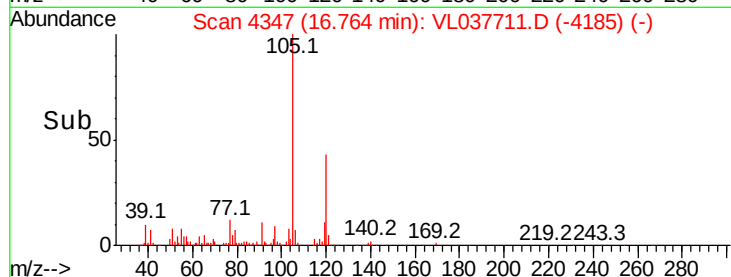
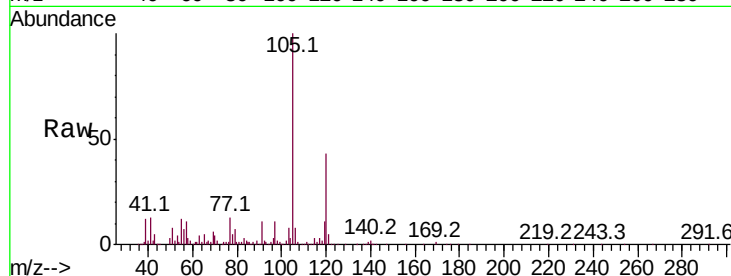
Ion Ratio Lower Upper

105 100

120 43.1 39.4 59.0

91 10.6 33.3 49.9#

77 12.7 15.7 23.5#

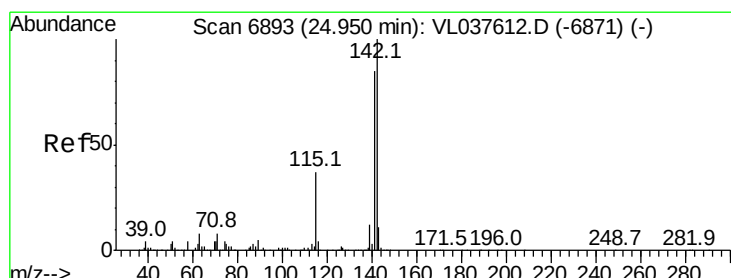
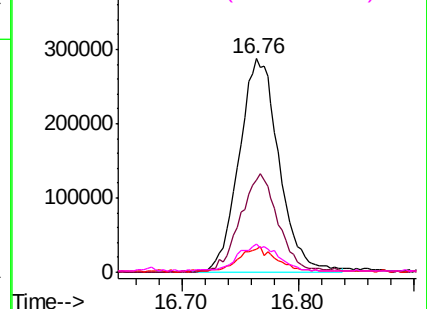


Abundance Ion 105.10 (104.80 to 105.80): V

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



#80

Naphthalene,2-methyl-

Concen: 0.105 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.02 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

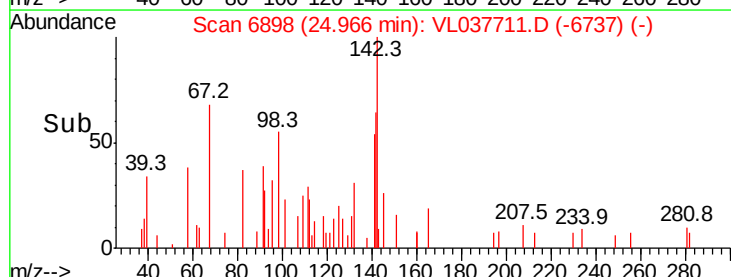
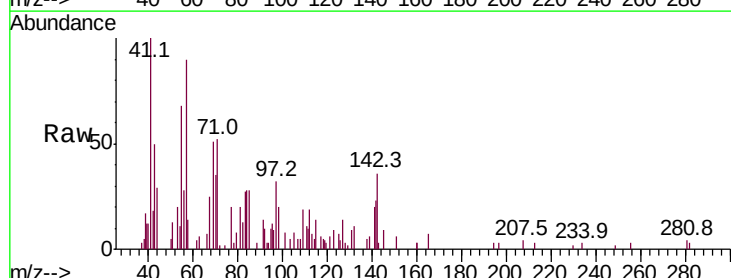
Tgt Ion:142 Resp: 6614

Ion Ratio Lower Upper

142 100

141 105.7 70.9 106.3

115 94.6 29.6 44.4#



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

