

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037073.D
 Acq On : 1 Jun 2021 17:02
 Operator : SY/AP
 Sample : M2559-03 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 03:01:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1589786	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4669425	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4428976	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3494475	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	21722	0.081	ppbv 90
3) Chlorodifluoromethane	2.98	51	14128	0.049	ppbv # 90
4) Chloromethane	3.13	50	12768	0.129	ppbv # 71
9) Propene	3.01	41	252225	2.418	ppbv # 79
10) Heptane	8.11	43	9163110	35.255	ppbv 96
11) Trichlorofluoromethane	3.94	101	80719	0.323	ppbv 97
13) Ethanol	3.59	45	808762	58.121	ppbv 97
15) Acetone	3.84	43	1431216	8.789	ppbv # 68
16) 1,3-Butadiene	3.29	39	50547	0.500	ppbv # 10
17) tert-Butyl alcohol	4.30	59	214372	1.437	ppbv 97
19) Isopropyl Alcohol	3.96	45	111103	1.269	ppbv # 1
20) Methylene Chloride	4.33	84	298426	3.419	ppbv 97
21) Allyl Chloride	4.36	41	140035	1.140	ppbv # 54
23) Vinyl Acetate	5.05	43	522569	2.022	ppbv # 17
25) Ethyl Acetate	5.67	43	1036983	2.650	ppbv # 80
26) Hexane	5.67	57	1397078	6.989	ppbv # 48
27) Carbon Disulfide	4.54	76	52307	0.260	ppbv # 61
30) Cyclohexane	7.12	84	464467	2.734	ppbv 93
34) 2-Butanone	5.23	43	314838	1.852	ppbv 95
36) Benzene	6.88	78	1176177	2.924	ppbv 96
39) 1,2-Dichloropropane	7.49	63	25928	0.167	ppbv # 1
41) Tetrahydrofuran	6.10	42	6331	0.065	ppbv # 72
42) Bromodichloromethane	7.78	83	440411	1.460	ppbv # 27
43) Methyl Methacrylate	8.04	69	13718	0.099	ppbv # 1
44) 2,2,4-Trimethylpentane	7.86	57	1122454	1.627	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	654685	2.333	ppbv 95
51) 2-Hexanone	10.11	43	174374	1.176	ppbv # 69
52) Tetrachloroethene	11.21	164	129779	0.811	ppbv 92
53) Toluene	9.79	91	11538468	24.110	ppbv 96
58) Ethyl Benzene	12.70	91	1955088	3.128	ppbv 98
59) m/p-Xylene	12.95	91	5141125	9.950	ppbv 97
60) o-Xylene	13.67	91	1329349	2.698	ppbv 98
61) Styrene	13.51	104	230135	0.829	ppbv 99
62) Isopropylbenzene	14.65	105	4156697	5.869	ppbv 99
64) n-propylbenzene	15.54	120	115951	0.635	ppbv 87
65) tert-Butylbenzene	16.74	119	124152	0.194	ppbv # 65
66) Benzyl Chloride	16.97	91	1161	0.033	ppbv # 1
69) p-Isopropyltoluene	17.64	119	57900	0.077	ppbv # 80
70) n-Butylbenzene	18.53	91	86899	0.122	ppbv # 59
71) 2-Chlorotoluene	15.54	91	311813	0.610	ppbv # 43
72) 4-Ethyltoluene	15.82	105	634045	1.084	ppbv 98

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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

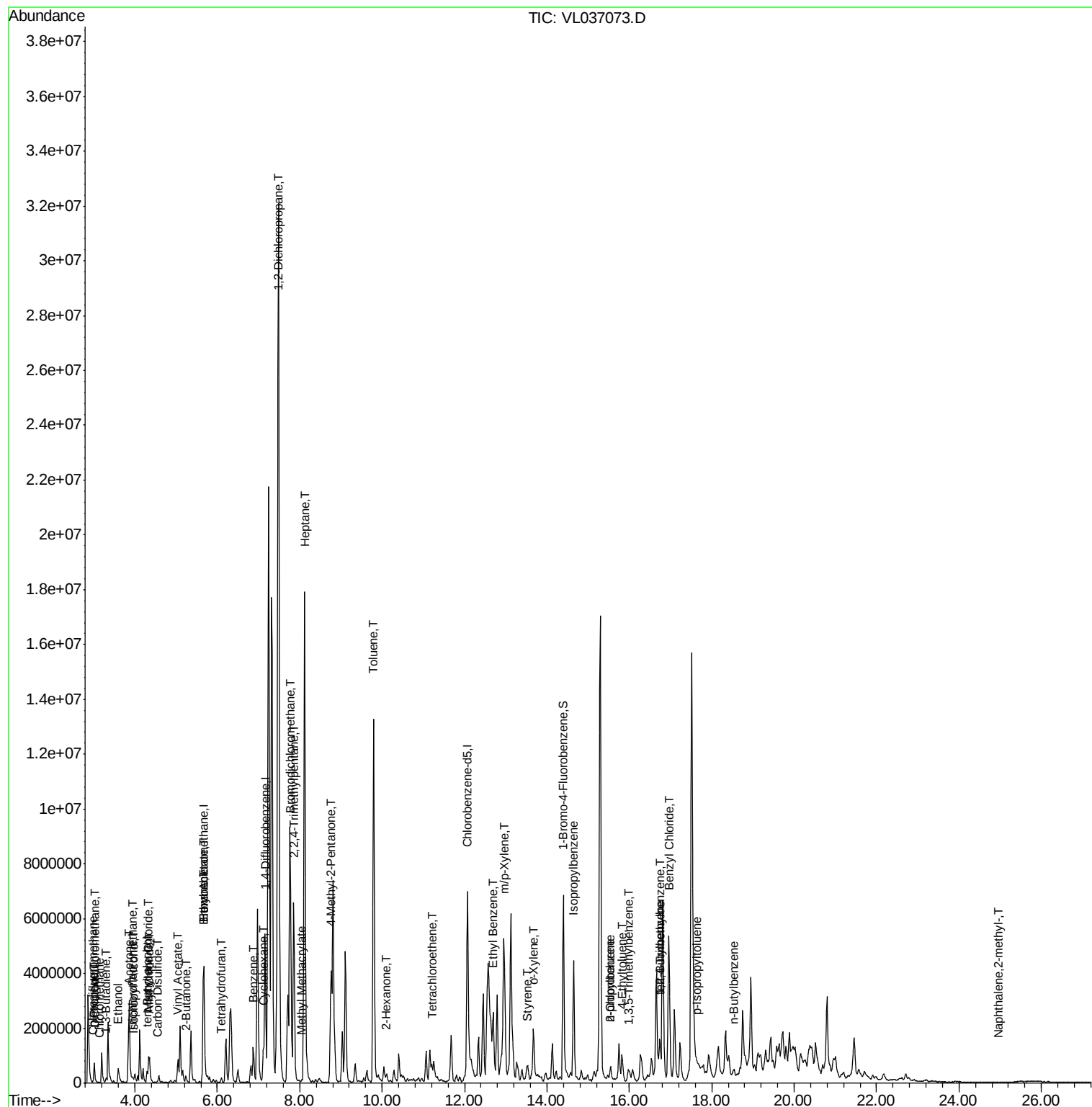
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.98	105	281839	0.513	ppbv	93
74) 1,2,4-Trimethylbenzene	16.74	105	1051852	1.852	ppbv #	71
80) Naphthalene,2-methyl-	24.96	142	3179	0.033	ppbv #	79

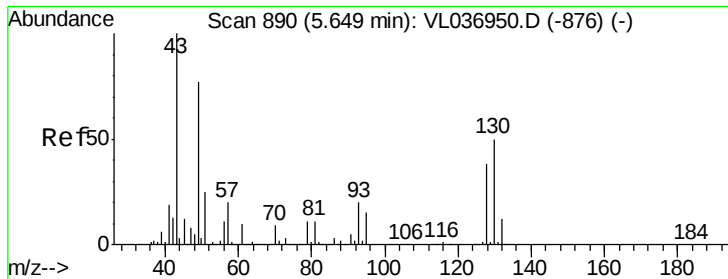
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

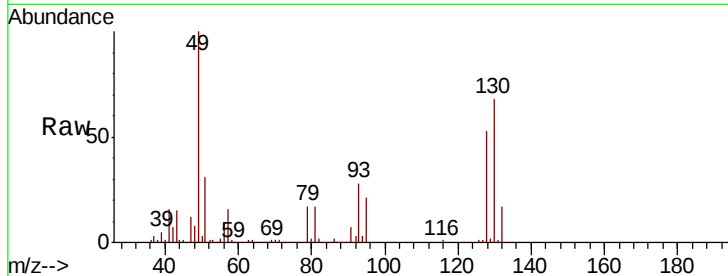
Tot Ion: 49 Resp: 1589786

Ion Ratio Lower Upper

49 100

128 55.7 26.9 80.7

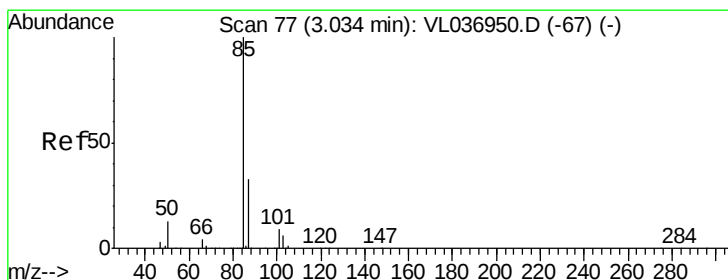
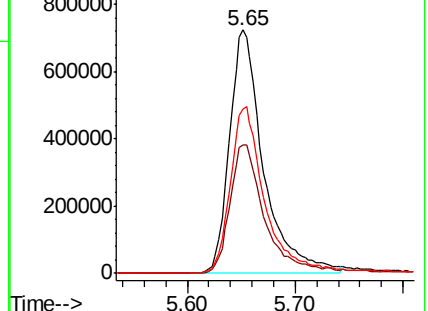
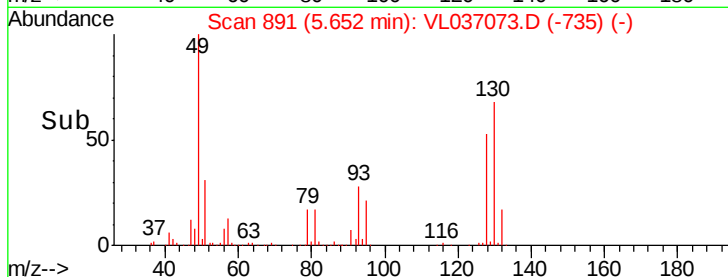
130 71.2 33.8 101.4



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: 0.081 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037073.D

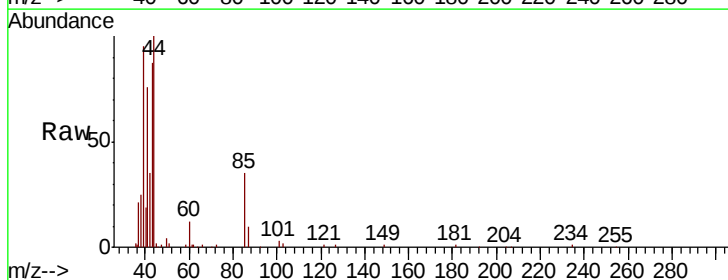
Acq: 1 Jun 2021 17:02

Tgt Ion: 85 Resp: 21722

Ion Ratio Lower Upper

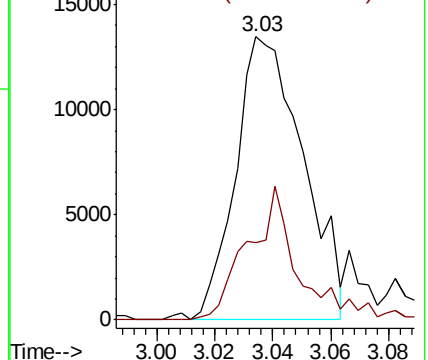
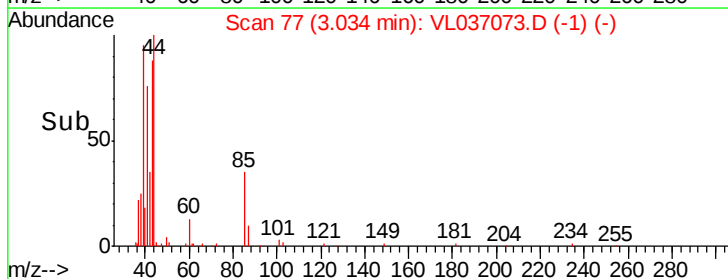
85 100

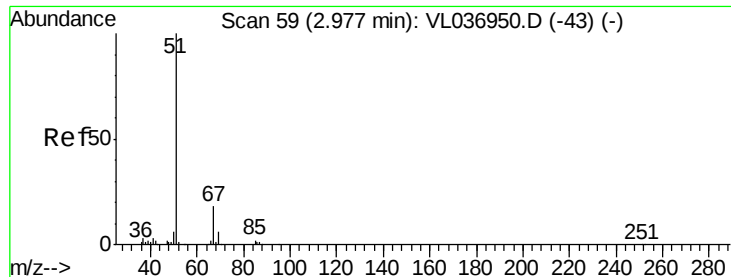
87 27.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.049 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

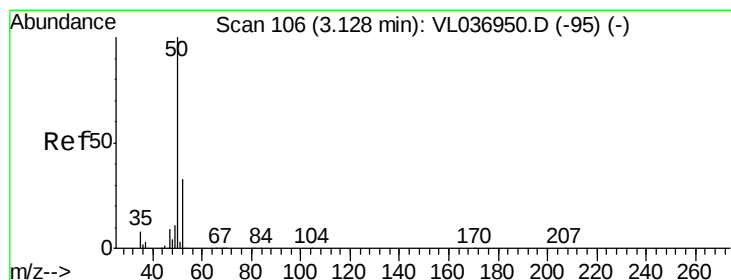
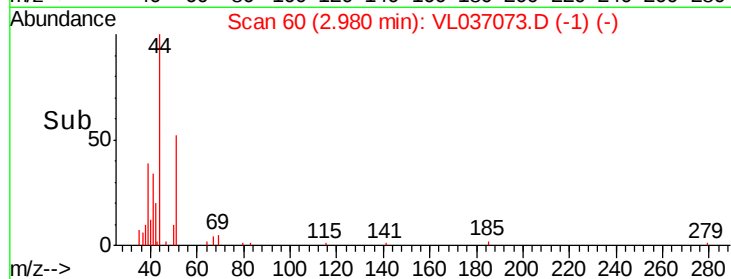
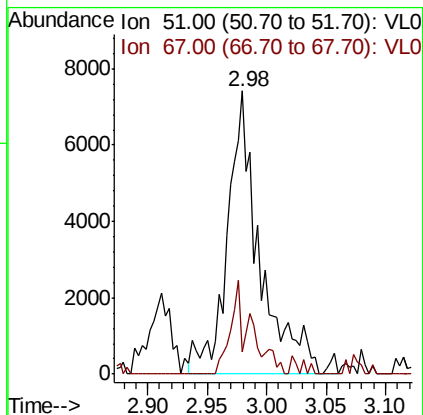
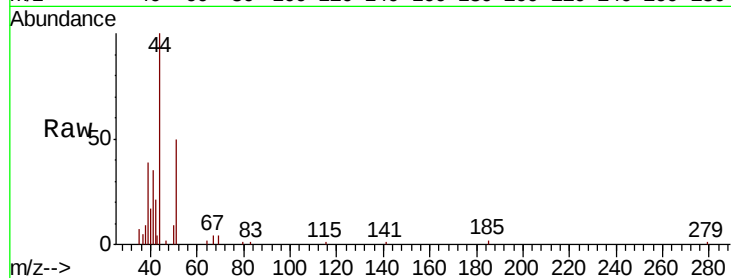
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 14128

Ion Ratio Lower Upper

51 100

67 22.4 14.6 21.8#



#4

Chloromethane

Concen: 0.129 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037073.D

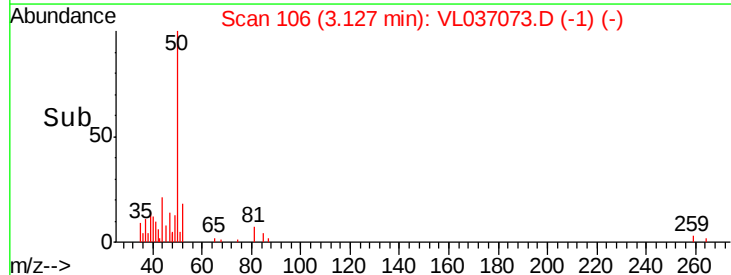
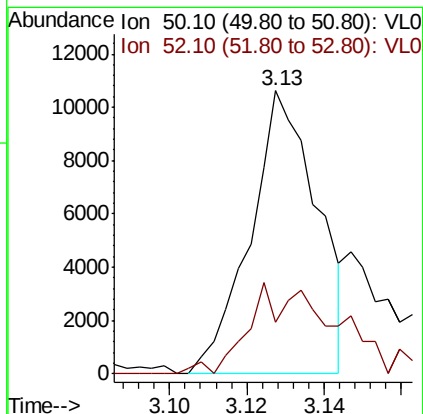
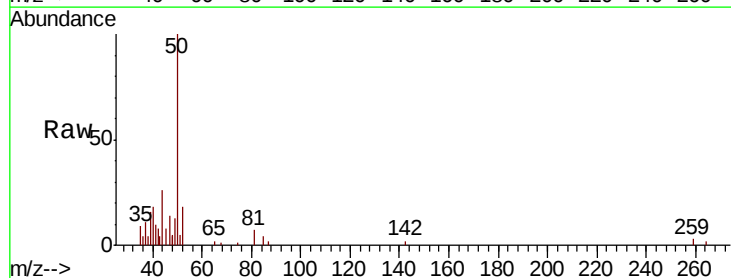
Acq: 1 Jun 2021 17:02

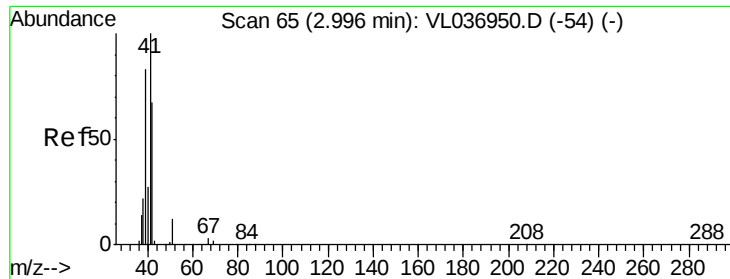
Tgt Ion: 50 Resp: 12768

Ion Ratio Lower Upper

50 100

52 16.1 26.1 39.1#





#9

Propene

Concen: 2.418 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

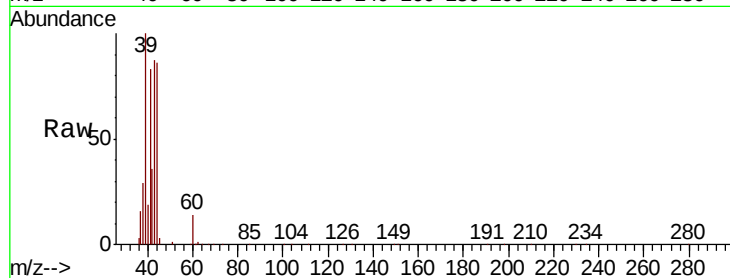
ClientSampled :

Tot Ion: 41 Resp: 252225

Ion Ratio Lower Upper

41 100

42 50.4 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

150000

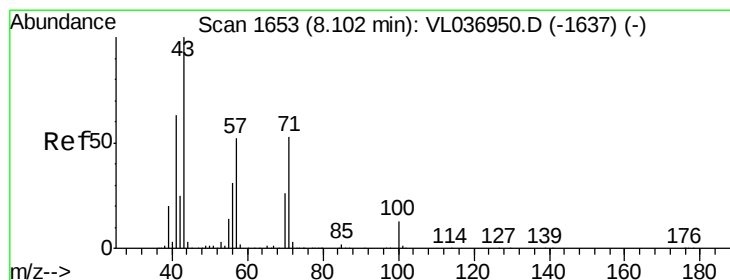
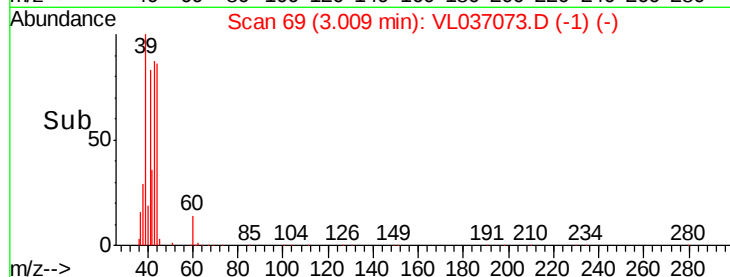
100000

50000

0

2.95 3.00 3.05

Time-->



#10

Heptane

Concen: 35.255 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL037073.D

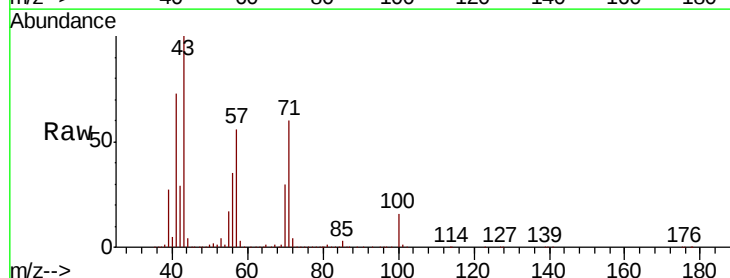
Acq: 1 Jun 2021 17:02

Tgt Ion: 43 Resp: 9163110

Ion Ratio Lower Upper

43 100

57 54.1 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4000000

3000000

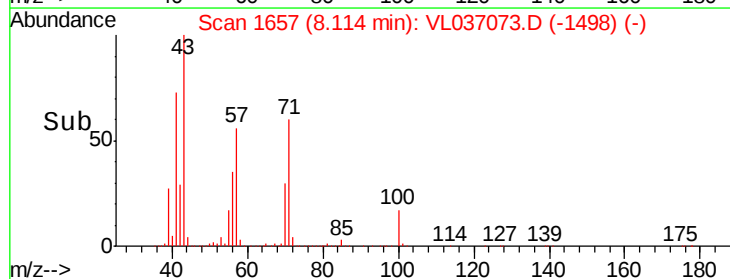
2000000

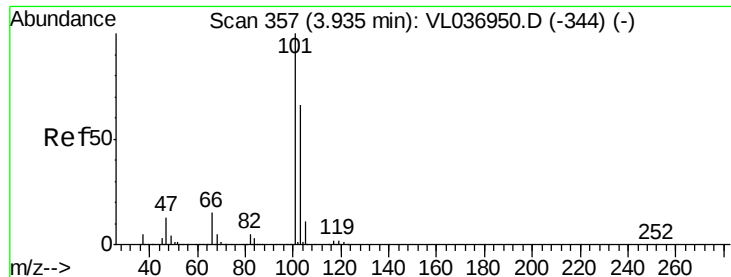
1000000

0

8.00 8.10 8.20

Time-->





#11

Trichlorofluoromethane

Concen: 0.323 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

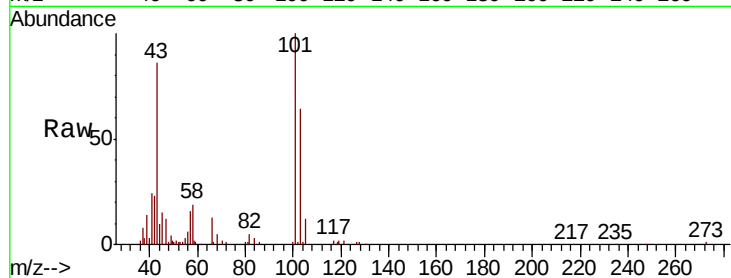
ClientSampleId :

Tot Ion:101 Resp: 80719

Ion Ratio Lower Upper

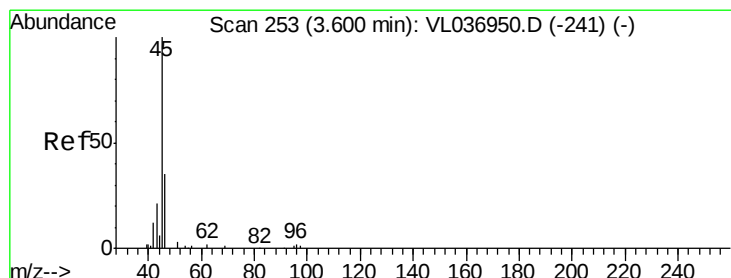
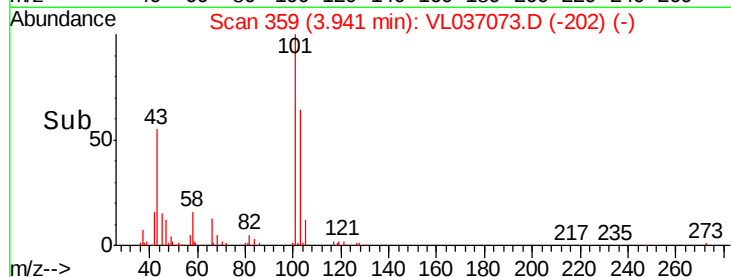
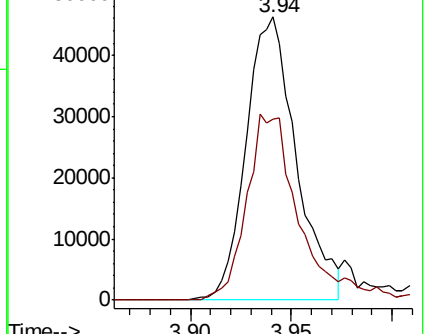
101 100

103 63.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 58.121 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037073.D

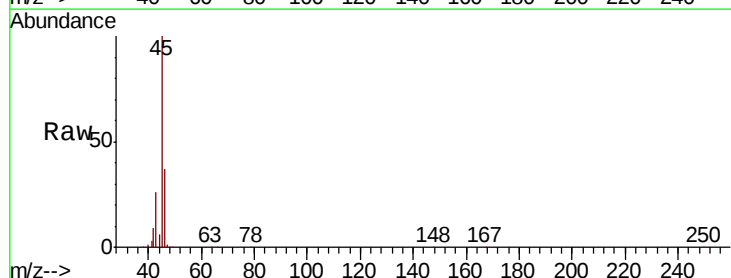
Acq: 1 Jun 2021 17:02

Tgt Ion: 45 Resp: 808762

Ion Ratio Lower Upper

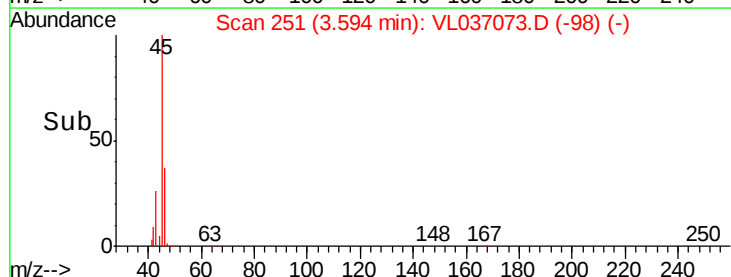
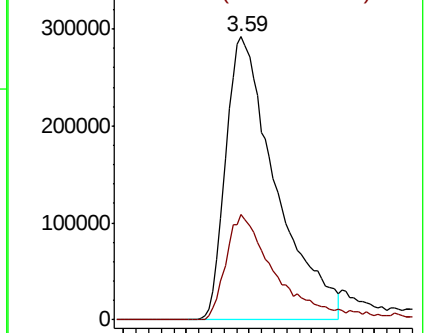
45 100

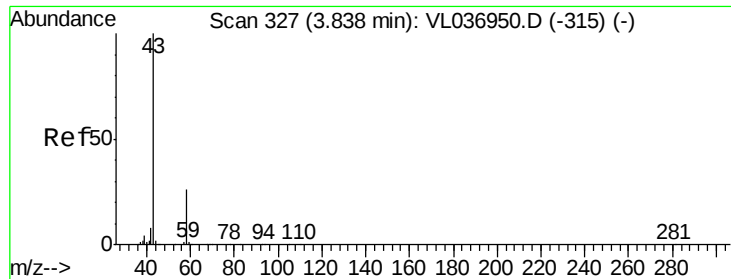
46 38.7 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

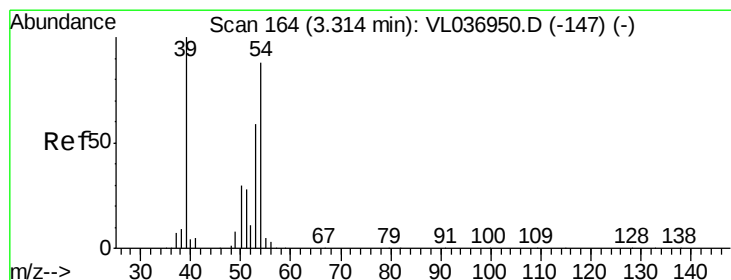
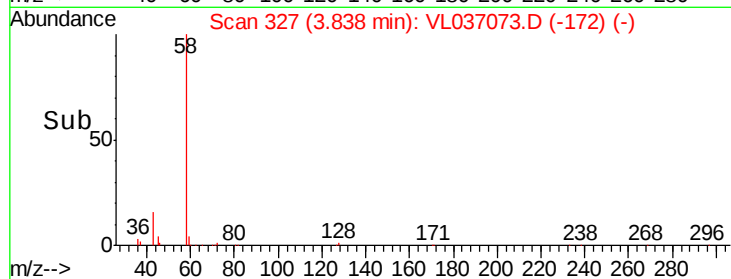
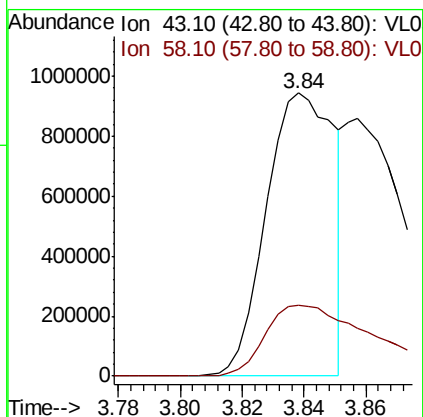
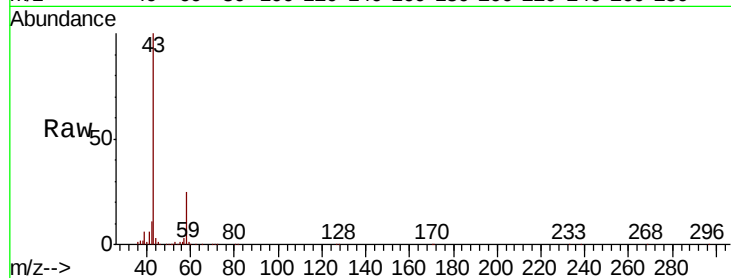




#15
Acetone
Concen: 8.789 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

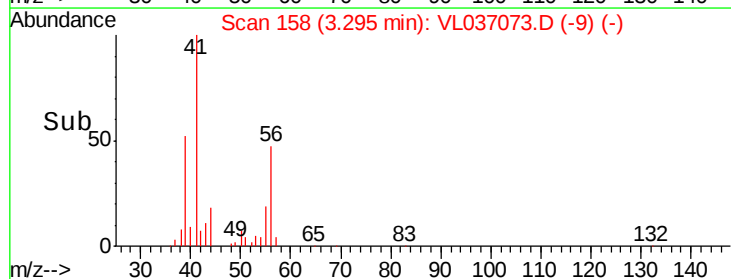
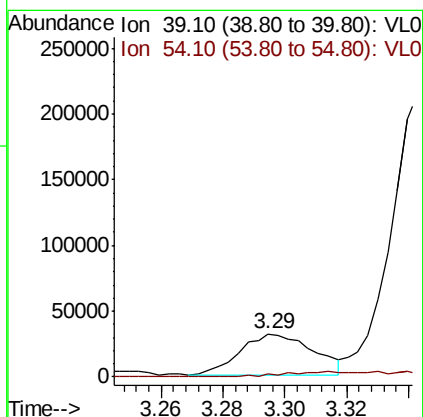
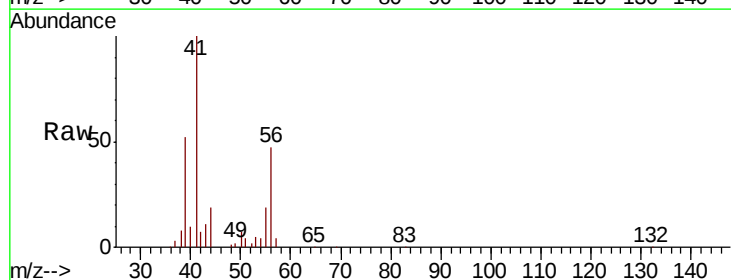
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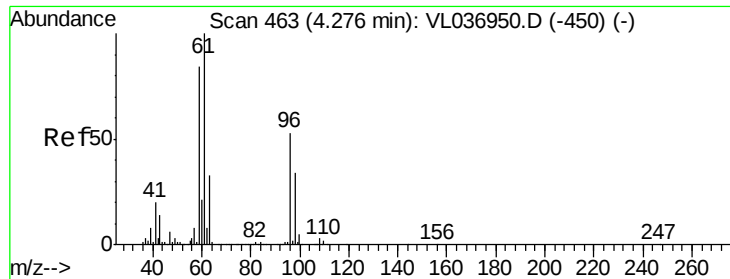
Tot Ion: 43 Resp: 1431216
Ion Ratio Lower Upper
43 100
58 47.3 24.0 36.0#



#16
1,3-Butadiene
Concen: 0.500 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.02 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 39 Resp: 50547
Ion Ratio Lower Upper
39 100
54 0.0 63.2 94.8#

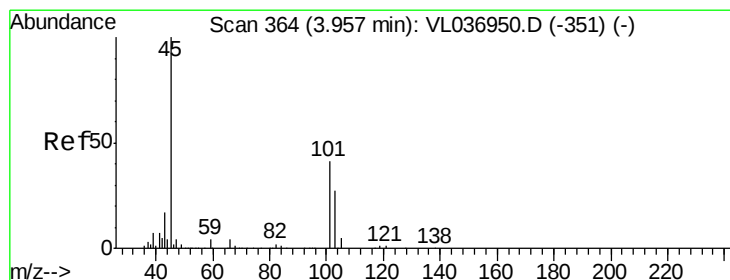
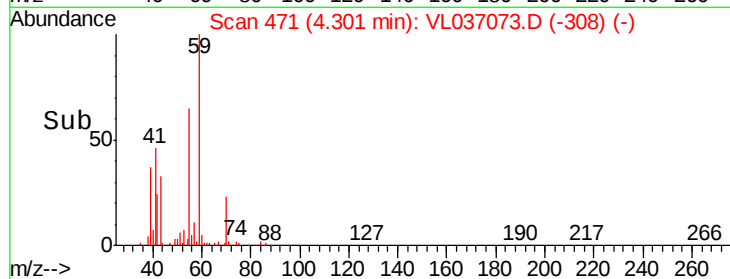
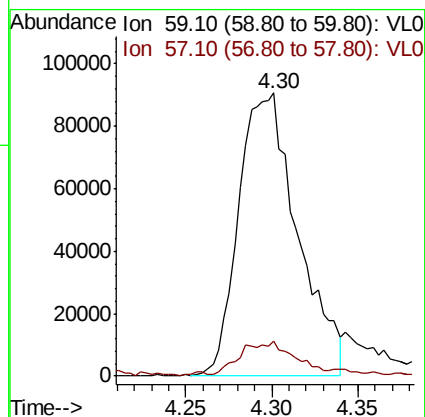
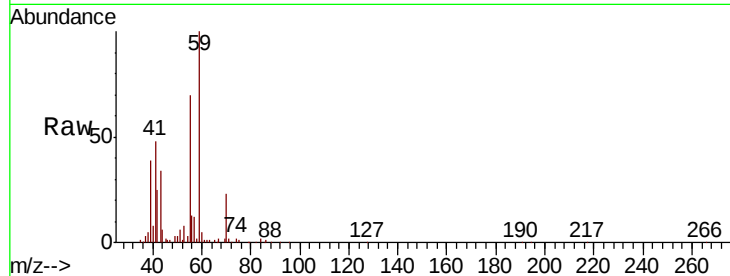




#17
tert-Butyl alcohol
Concen: 1.437 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

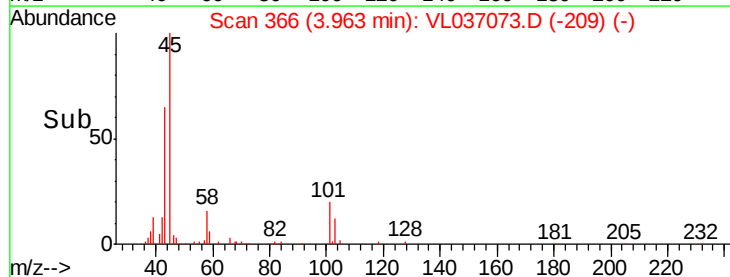
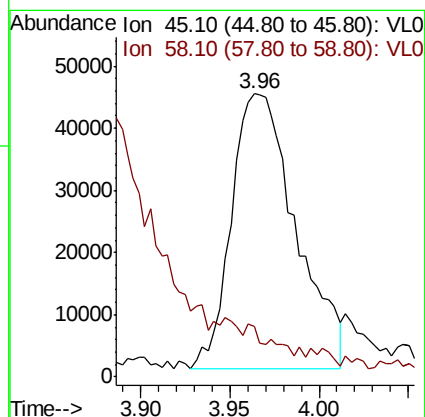
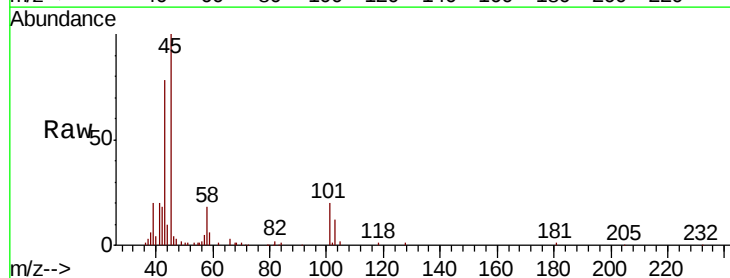
Instrument :
MSVOA_L
ClientSampleId :

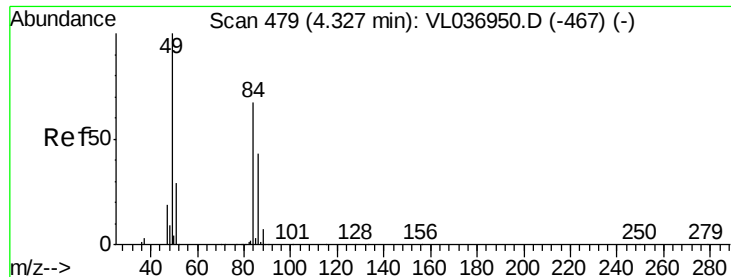
Tot Ion: 59 Resp: 214372
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5



#19
Isopropyl Alcohol
Concen: 1.269 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 45 Resp: 111103
Ion Ratio Lower Upper
45 100
58 605.0 37.2 55.8#

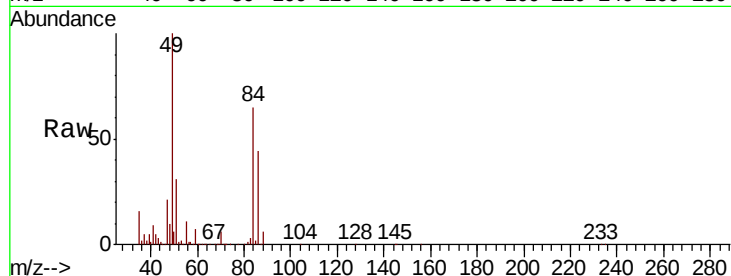




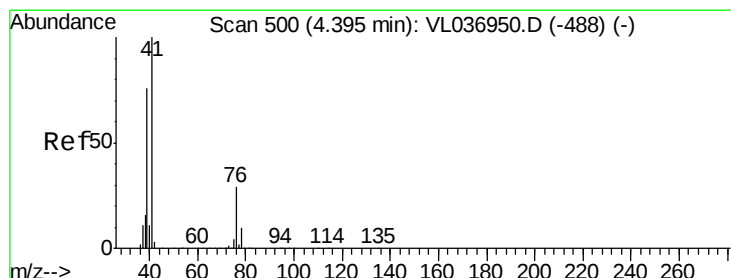
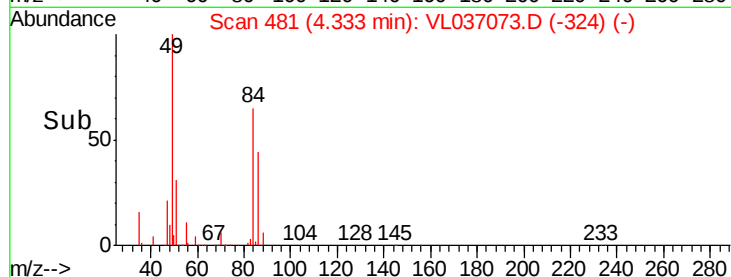
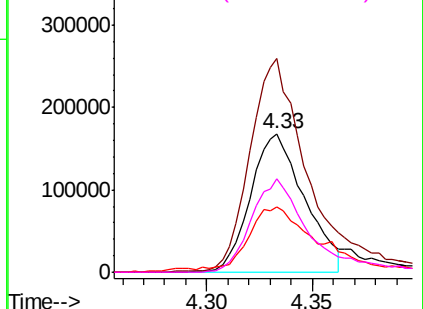
#20
Methylene Chloride
Concen: 3.419 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	298426
Ion	Ratio	Lower	Upper
84	100		
49	153.9	119.8	179.6
51	44.1	35.1	52.7
86	67.5	50.9	76.3

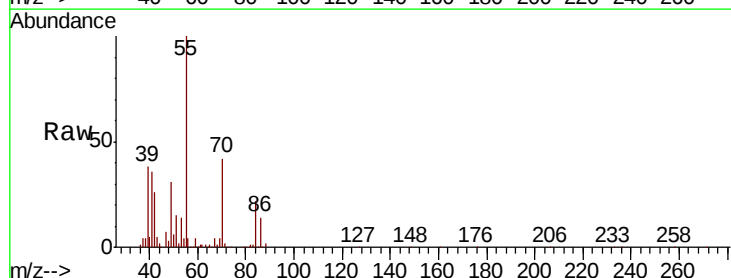


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

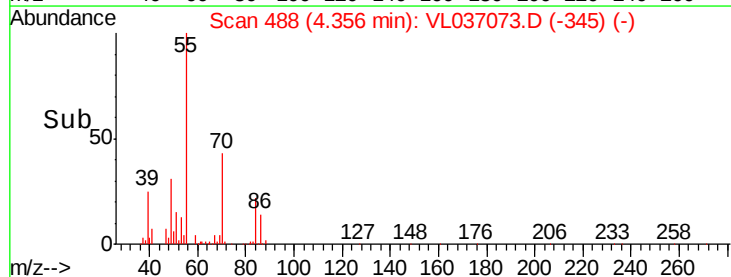
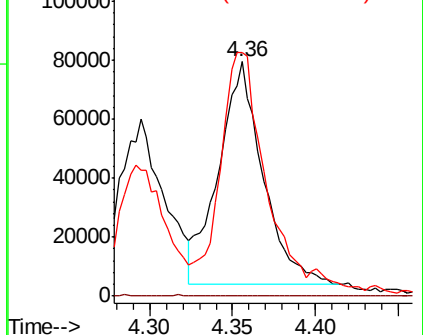


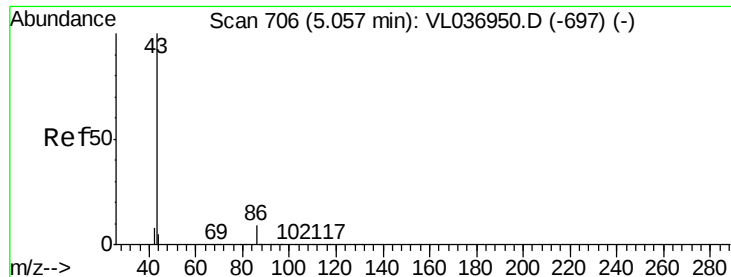
#21
Allyl Chloride
Concen: 1.140 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.04 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion:	41	Resp:	140035
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.9	37.3#
39	117.0	63.7	95.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 2.022 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 522569

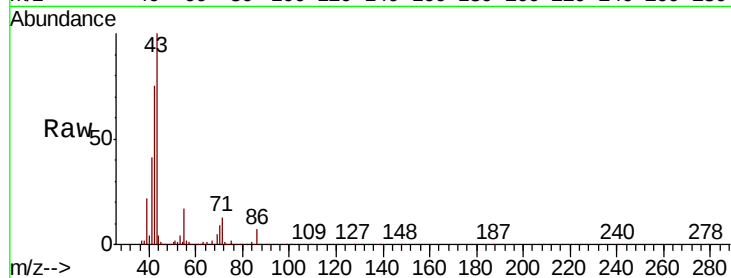
Ion Ratio Lower Upper

43 100

86 6.7 5.8 8.8

42 75.5 7.4 11.2#

44 3.1 3.3 4.9#

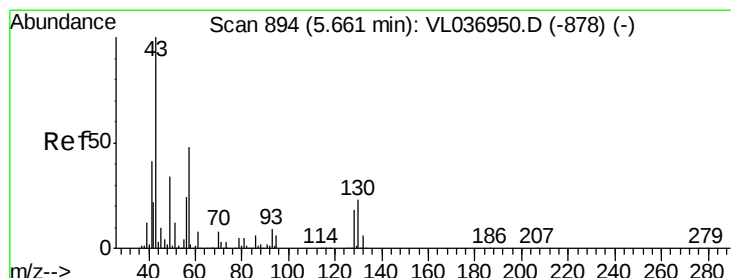
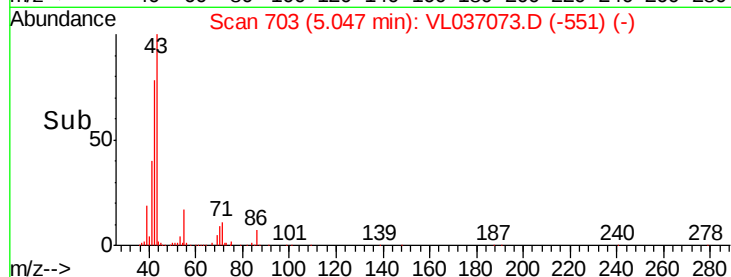
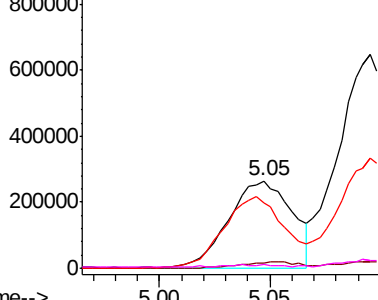


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.650 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Tgt Ion: 43 Resp: 1036983

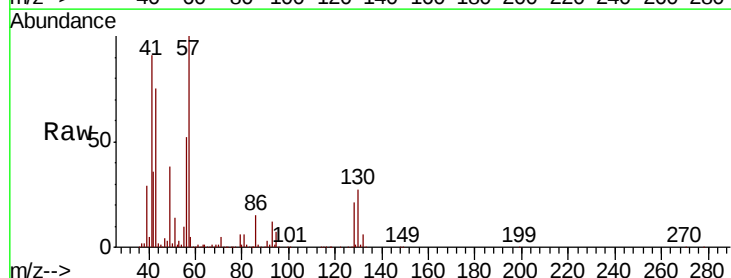
Ion Ratio Lower Upper

43 100

45 1.6 7.8 11.8#

61 1.2 7.8 11.8#

70 2.4 5.6 8.4#

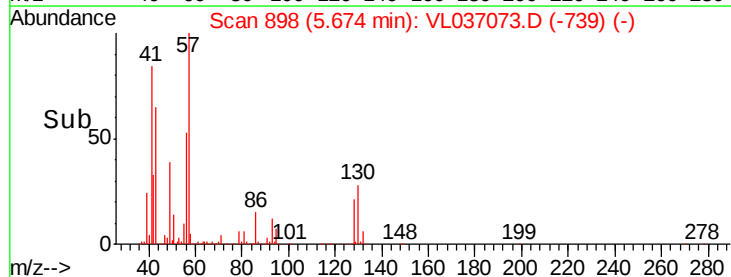
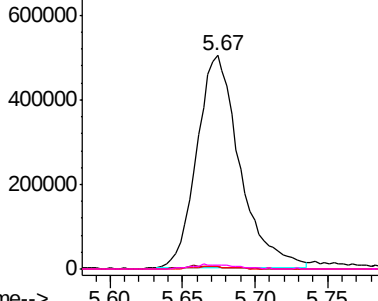


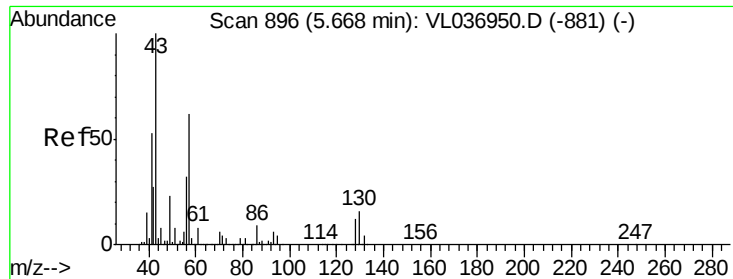
Abundance Ion 43.10 (42.80 to 43.80): VL0

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



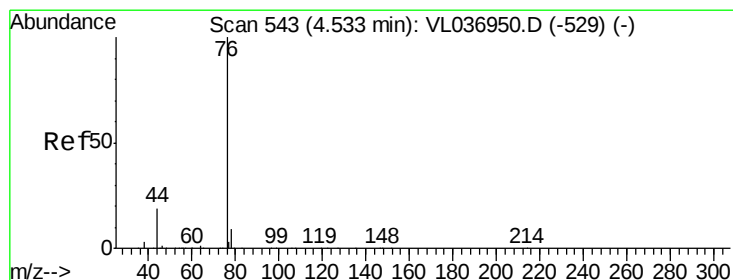
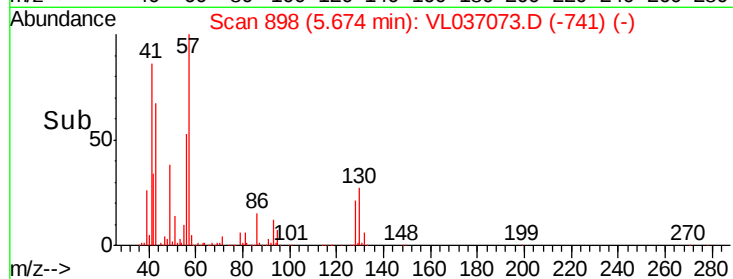
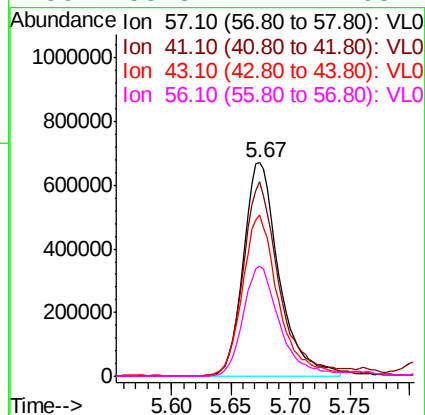
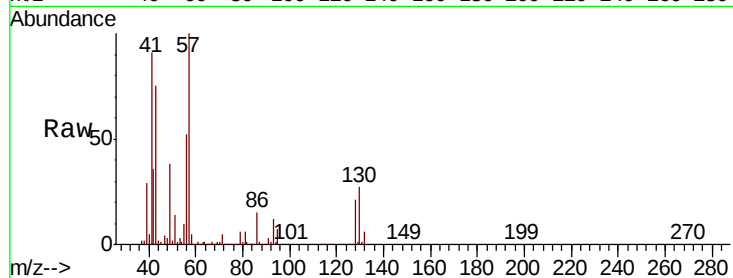


#26
Hexane
Concen: 6.989 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 1397078

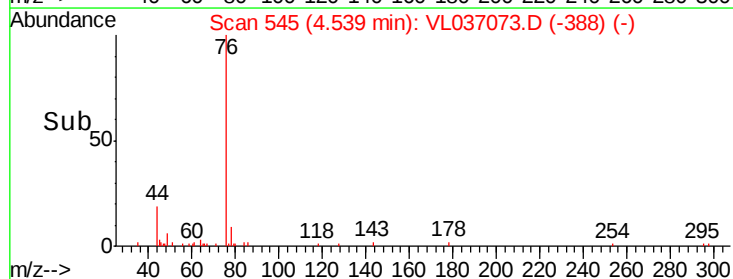
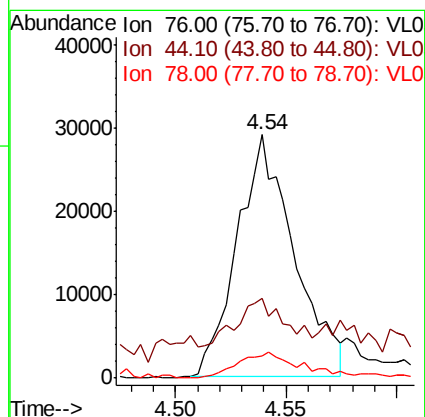
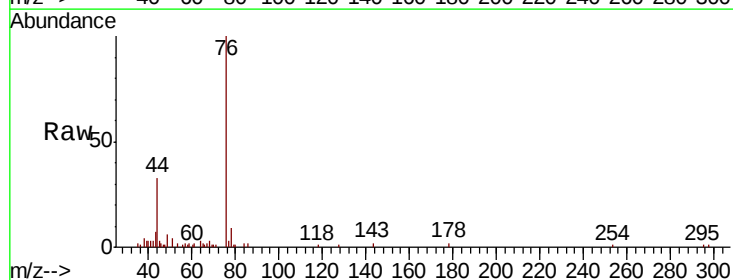
Ion	Ratio	Lower	Upper
57	100		
41	94.8	70.5	105.7
43	77.6	165.8	248.8#
56	55.8	42.2	63.4

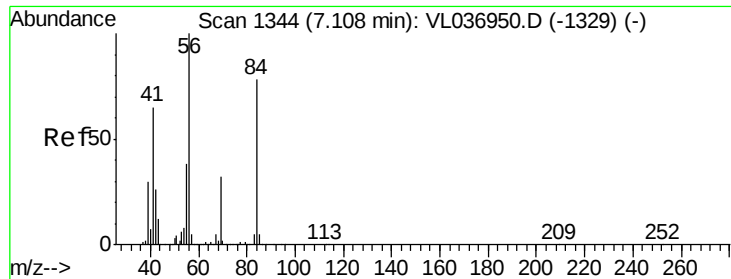


#27
Carbon Disulfide
Concen: 0.260 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 76 Resp: 52307

Ion	Ratio	Lower	Upper
76	100		
44	44.1	15.5	23.3#
78	12.7	7.8	11.6#

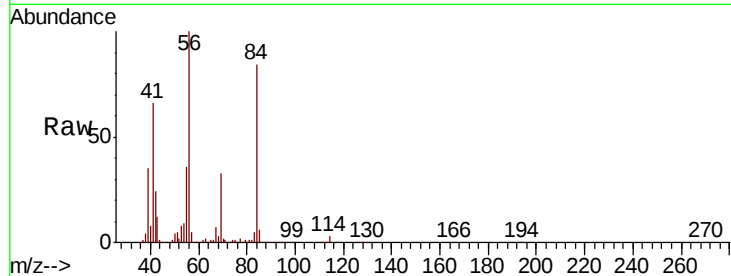




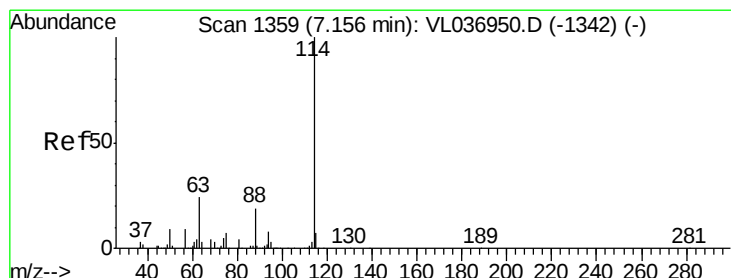
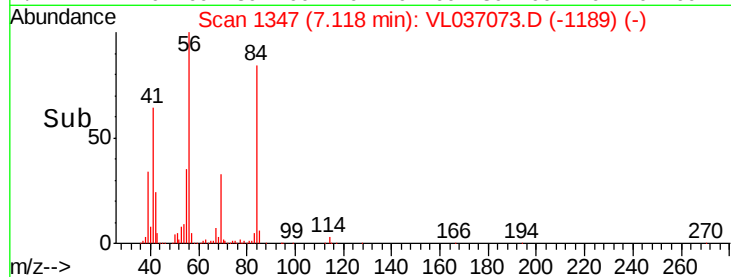
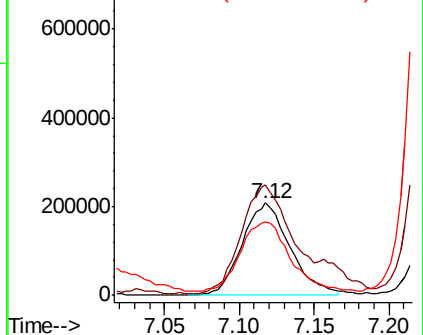
#30
Cyclohexane
Concen: 2.734 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 464467
Ion Ratio Lower Upper
84 100
56 144.4 107.9 161.9
41 77.6 65.5 98.3

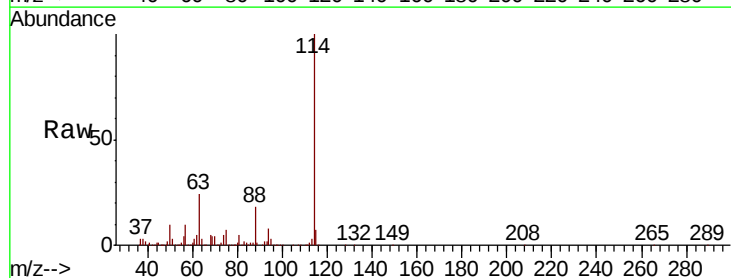


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

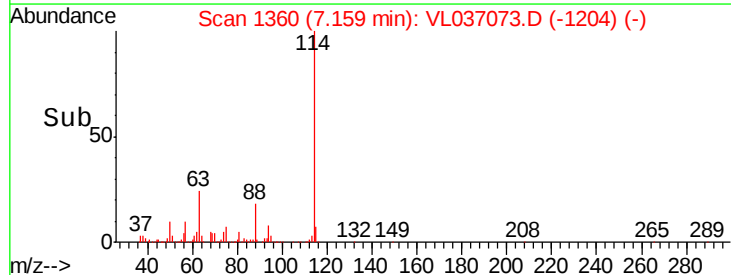
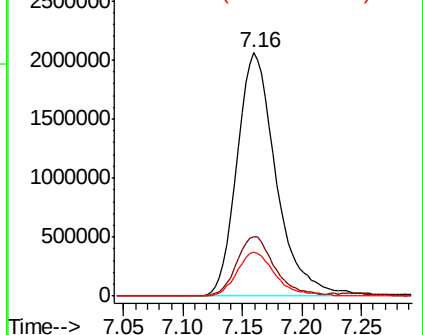


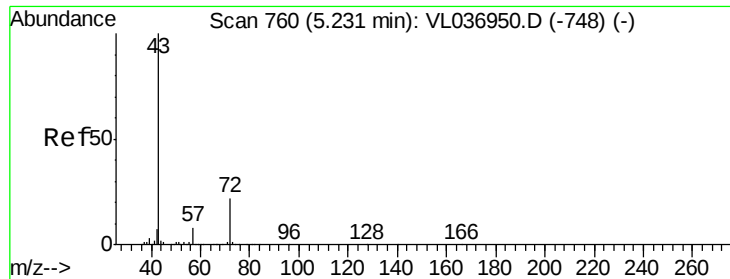
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 114 Resp: 4669425
Ion Ratio Lower Upper
114 100
63 24.3 19.6 29.4
88 18.0 14.6 21.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

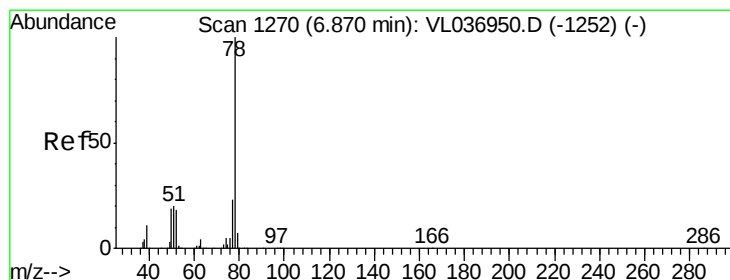
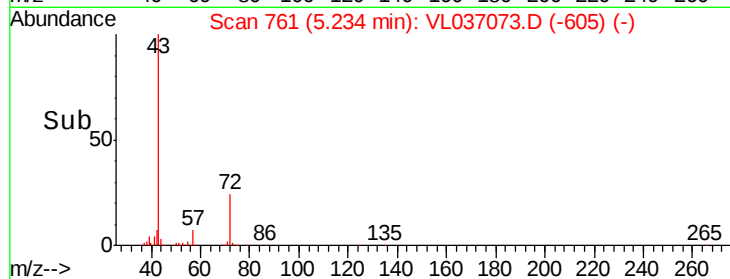
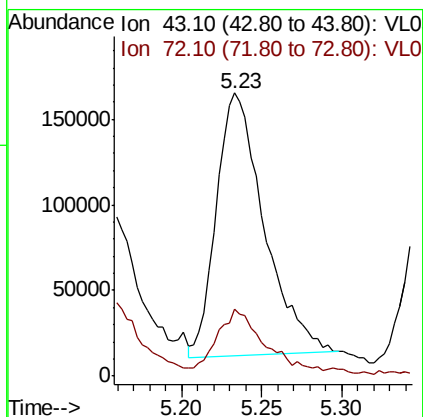
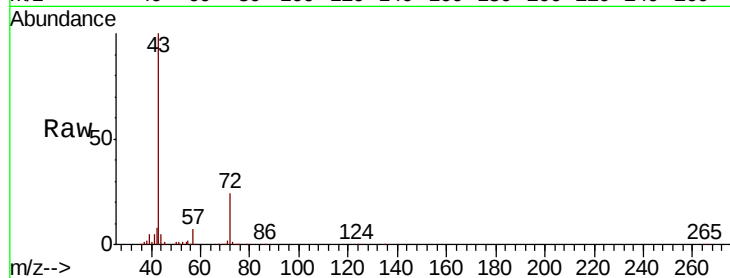




#34
2-Butanone
Concen: 1.852 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

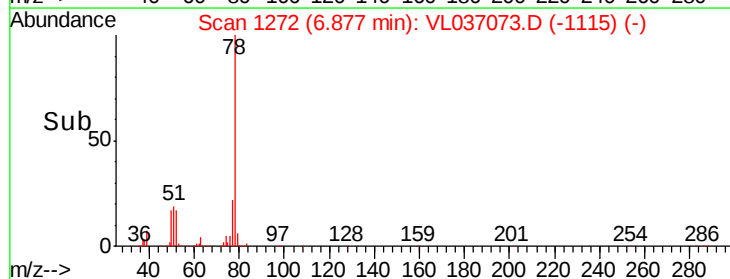
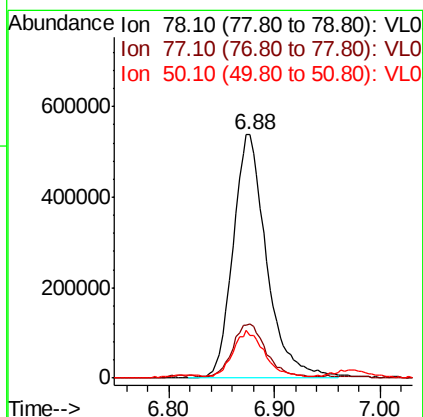
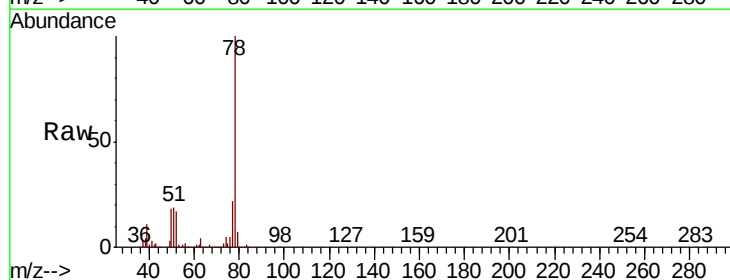
Instrument :
MSVOA_L
ClientSampleId :

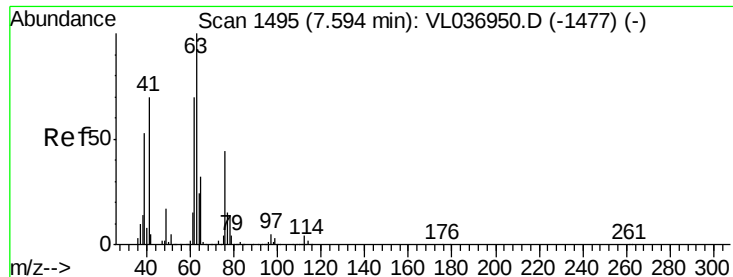
Tot Ion: 43 Resp: 314838
Ion Ratio Lower Upper
43 100
72 26.3 19.0 28.4



#36
Benzene
Concen: 2.924 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 78 Resp: 1176177
Ion Ratio Lower Upper
78 100
77 21.8 18.6 28.0
50 16.3 15.0 22.4

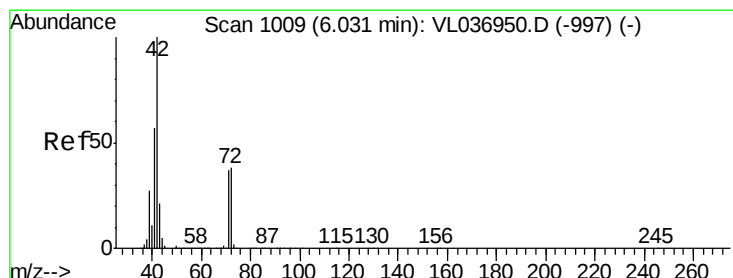
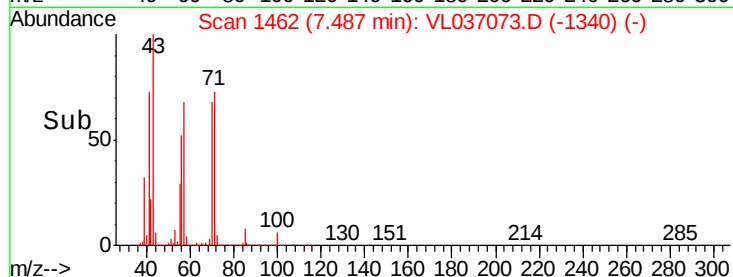
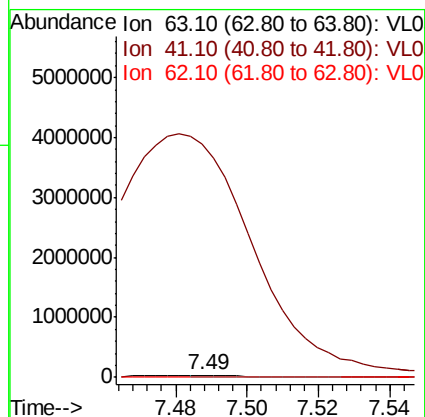
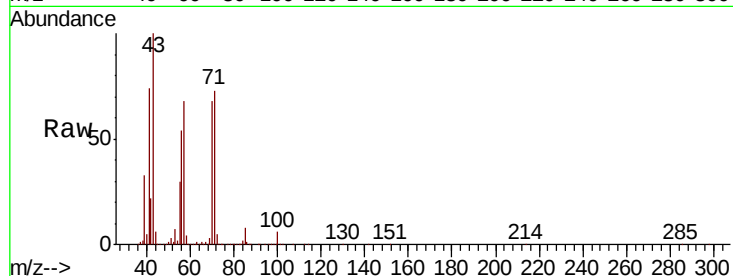




#39
 1,2-Dichloropropane
 Concen: 0.167 ppbv
 RT: 7.49 min Scan# 1462
 Delta R.T. -0.11 min
 Lab File: VL037073.D
 Acq: 1 Jun 2021 17:02

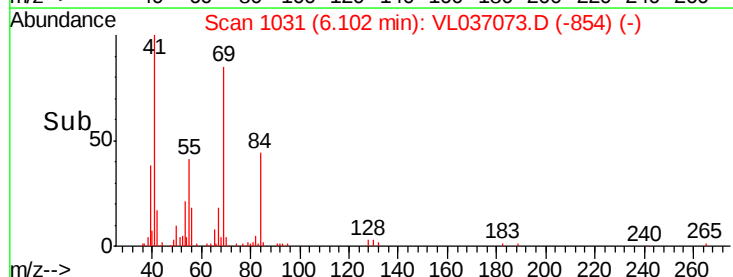
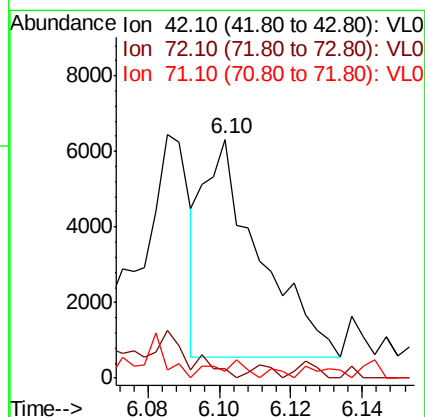
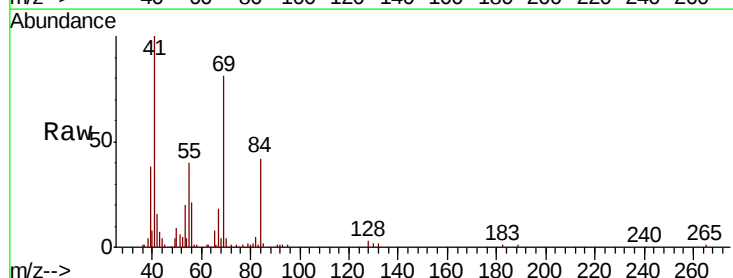
Instrument :
 MSVOA_L
 ClientSampled :

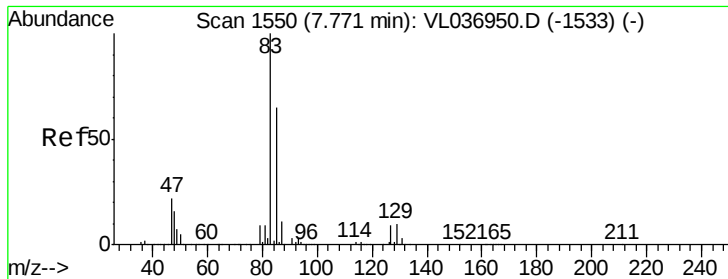
Tot Ion: 63 Resp: 25928
 Ion Ratio Lower Upper
 63 100
 41 12892.0 55.7 83.5#
 62 54.3 56.2 84.4#



#41
 Tetrahydrofuran
 Concen: 0.065 ppbv
 RT: 6.10 min Scan# 1031
 Delta R.T. 0.07 min
 Lab File: VL037073.D
 Acq: 1 Jun 2021 17:02

Tgt Ion: 42 Resp: 6331
 Ion Ratio Lower Upper
 42 100
 72 69.1 31.4 47.2#
 71 41.5 30.4 45.6





#42

Bromodichloromethane

Concen: 1.460 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

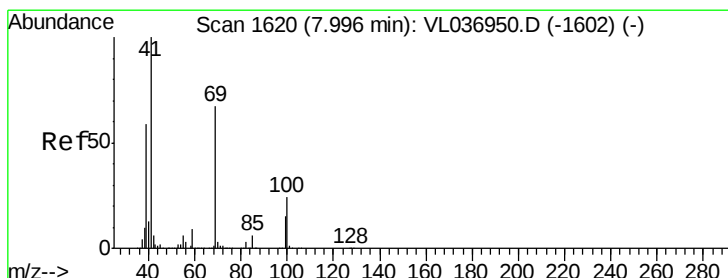
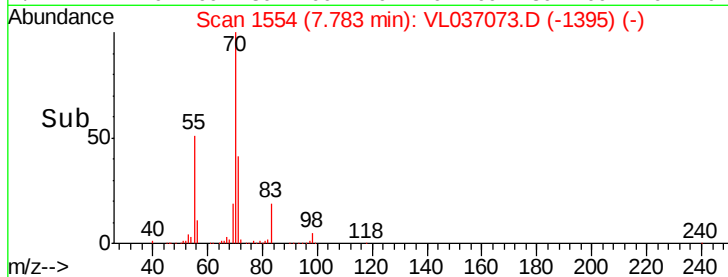
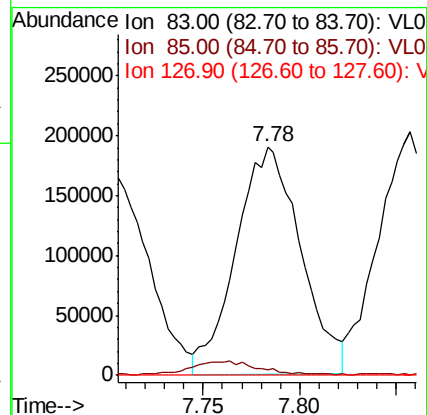
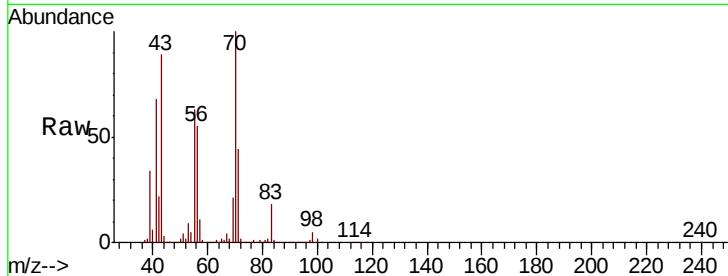
Tot Ion: 83 Resp: 440411

Ion Ratio Lower Upper

83 100

85 1.8 51.7 77.5#

127 0.0 6.9 10.3#



#43

Methyl Methacrylate

Concen: 0.099 ppbv

RT: 8.04 min Scan# 1635

Delta R.T. 0.05 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

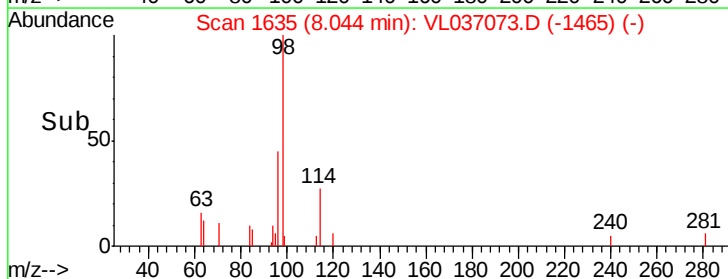
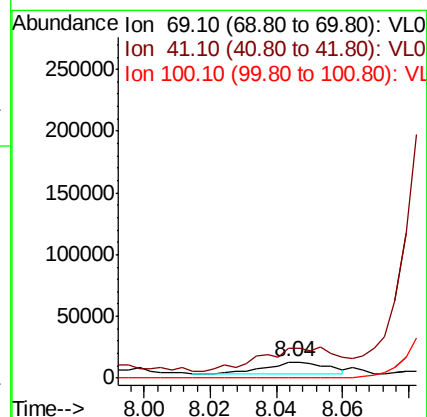
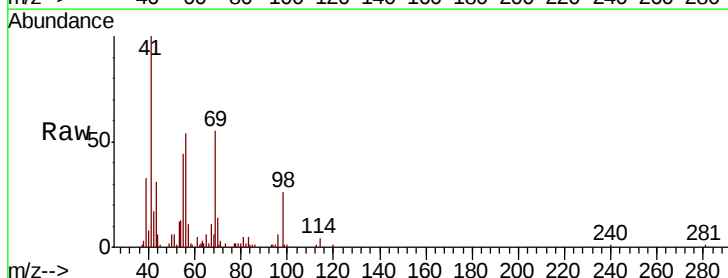
Tgt Ion: 69 Resp: 13718

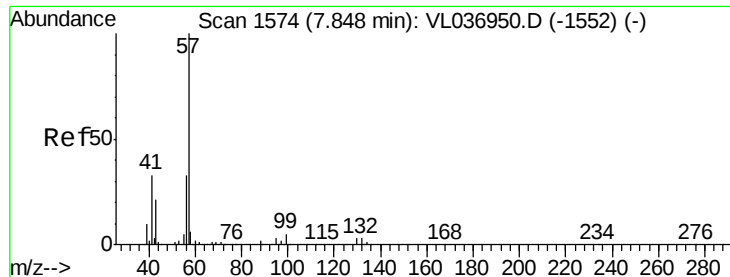
Ion Ratio Lower Upper

69 100

41 0.0 118.6 178.0#

100 0.0 28.2 42.4#

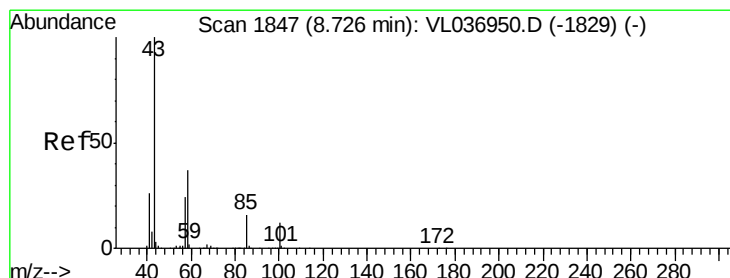
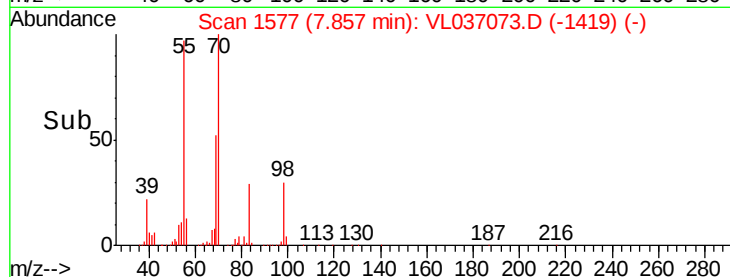
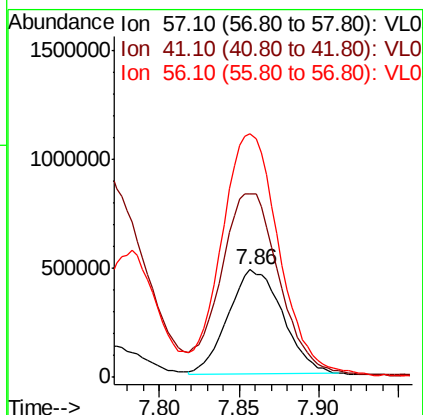
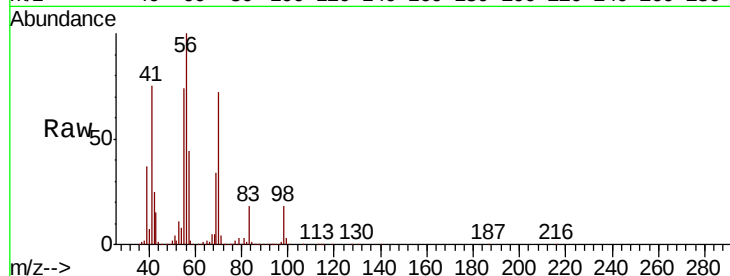




#44
 2,2,4-Trimethylpentane
 Concen: 1.627 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037073.D
 Acq: 1 Jun 2021 17:02

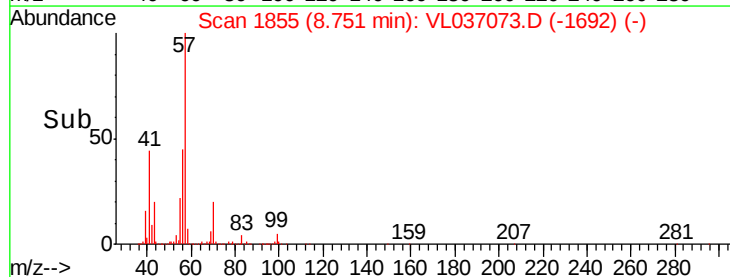
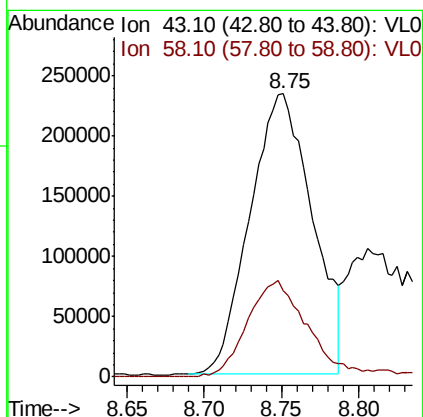
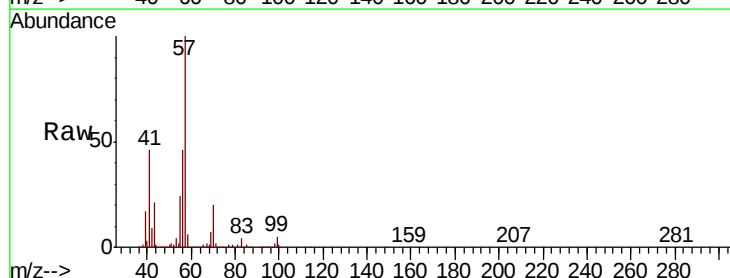
Instrument :
 MSVOA_L
 ClientSampleID :

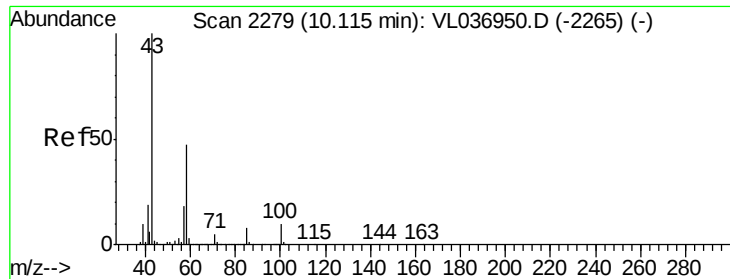
Tot Ion: 57 Resp: 1122454
 Ion Ratio Lower Upper
 57 100
 41 188.0 27.0 40.4#
 56 250.3 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 2.333 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.03 min
 Lab File: VL037073.D
 Acq: 1 Jun 2021 17:02

Tgt Ion: 43 Resp: 654685
 Ion Ratio Lower Upper
 43 100
 58 33.7 29.4 44.2

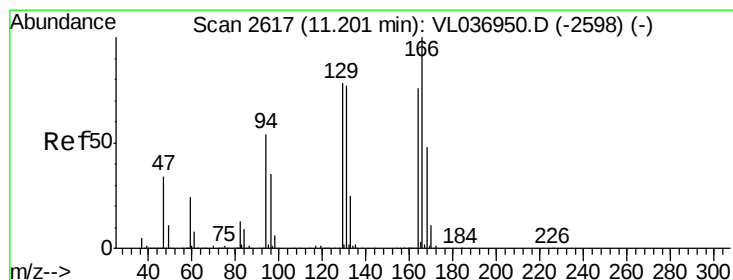
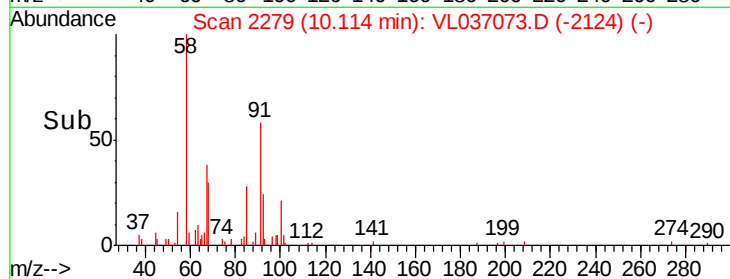
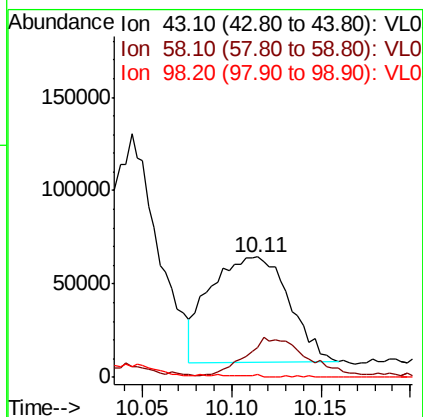
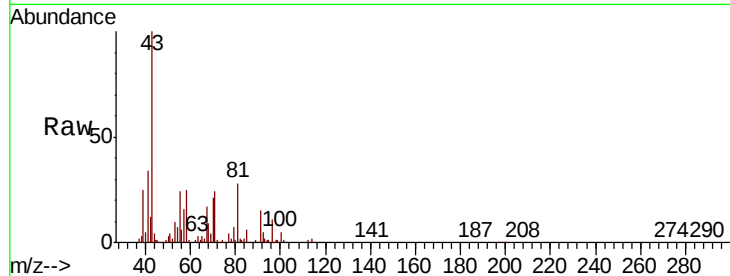




#51
2-Hexanone
Concen: 1.176 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

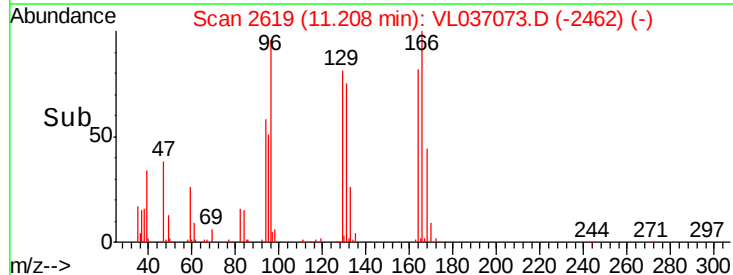
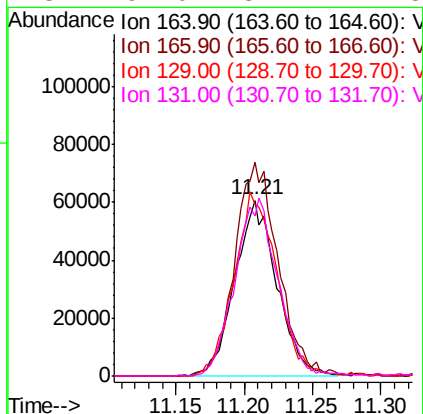
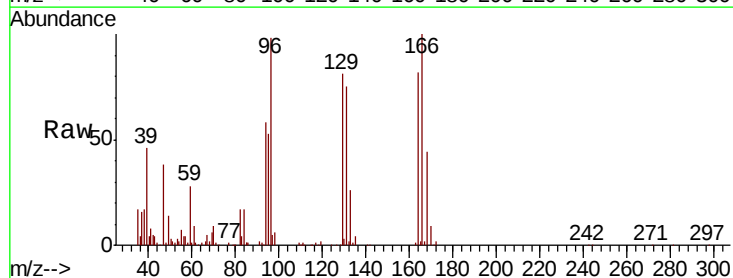
Instrument :
MSVOA_L
ClientSampleId :

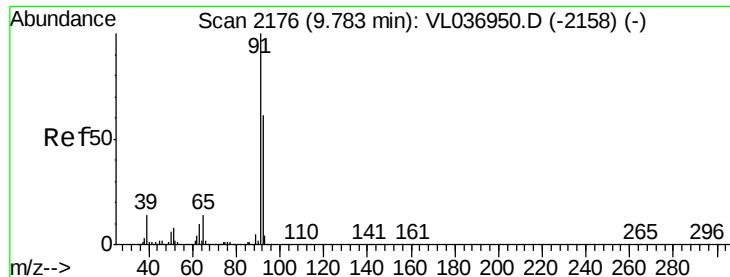
Tot Ion: 43 Resp: 174374
Ion Ratio Lower Upper
43 100
58 30.0 41.1 61.7#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.811 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 164 Resp: 129779
Ion Ratio Lower Upper
164 100
166 121.2 105.5 158.3
129 97.8 81.8 122.8
131 91.0 81.2 121.8





#53

Toluene

Concen: 24.110 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

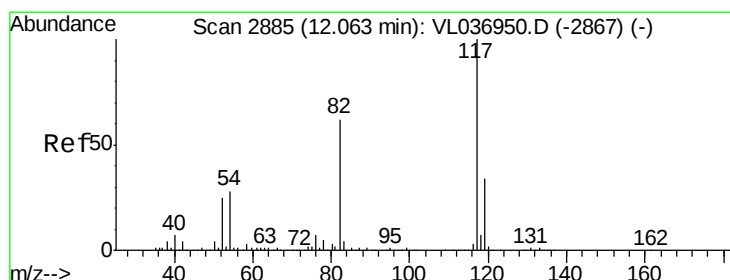
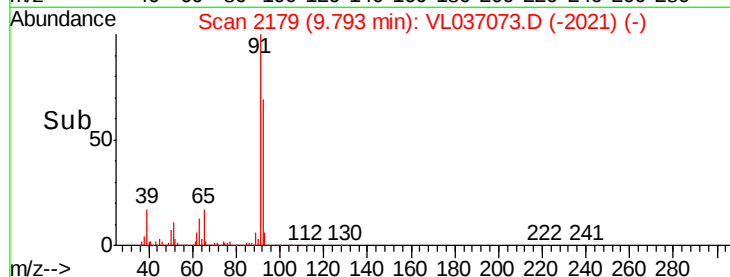
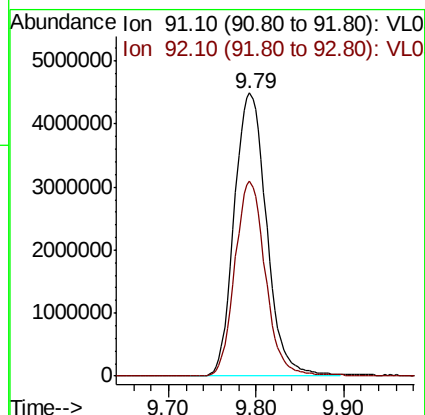
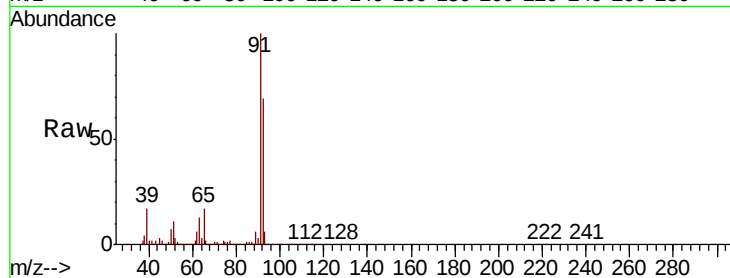
ClientSampleId :

Tot Ion: 91 Resp:11538468

Ion Ratio Lower Upper

91 100

92 65.2 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

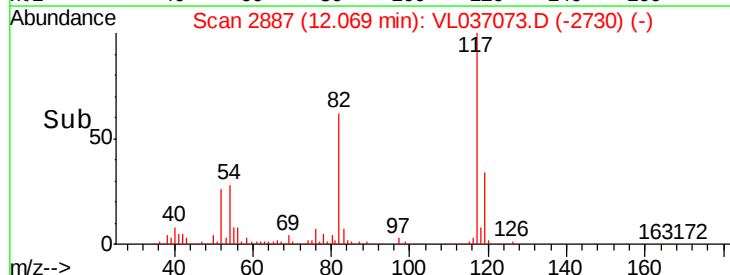
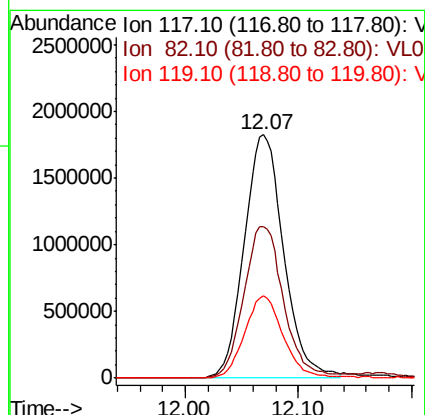
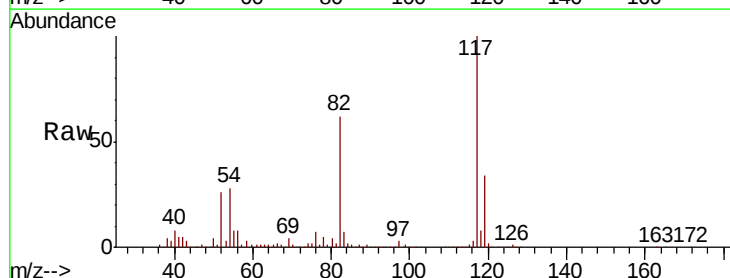
Tgt Ion:117 Resp: 4428976

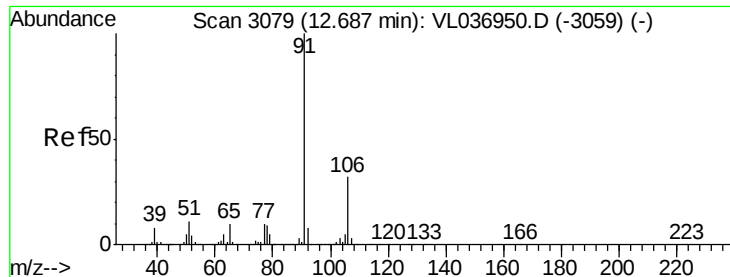
Ion Ratio Lower Upper

117 100

82 62.8 52.6 79.0

119 33.8 46.6 70.0#





#58

Ethyl Benzene

Concen: 3.128 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

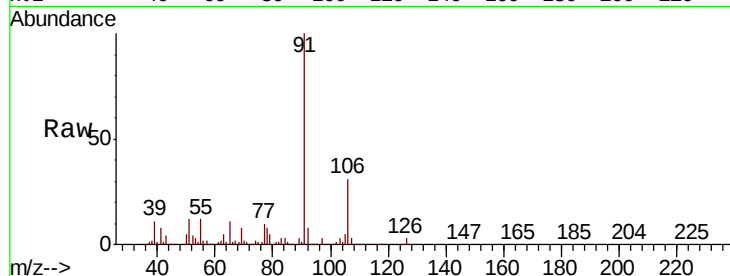
ClientSampleId :

Tot Ion: 91 Resp: 1955088

Ion Ratio Lower Upper

91 100

106 31.1 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.70

800000

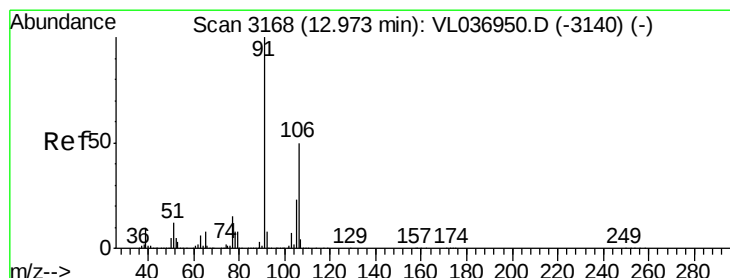
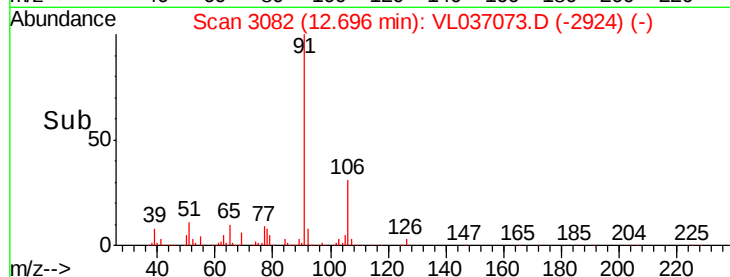
600000

400000

200000

0

Time--> 12.60 12.65 12.70 12.75



#59

m/p-Xylene

Concen: 9.950 ppbv

RT: 12.95 min Scan# 3161

Delta R.T. -0.02 min

Lab File: VL037073.D

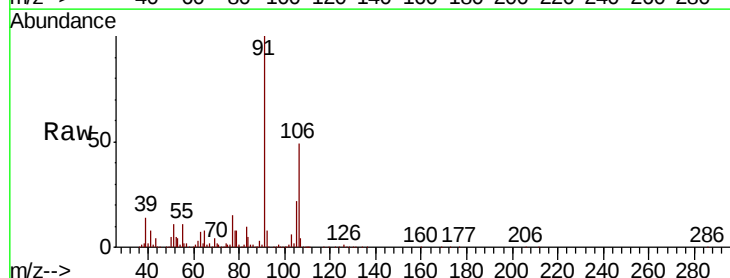
Acq: 1 Jun 2021 17:02

Tgt Ion: 91 Resp: 5141125

Ion Ratio Lower Upper

91 100

106 49.0 37.4 56.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.95

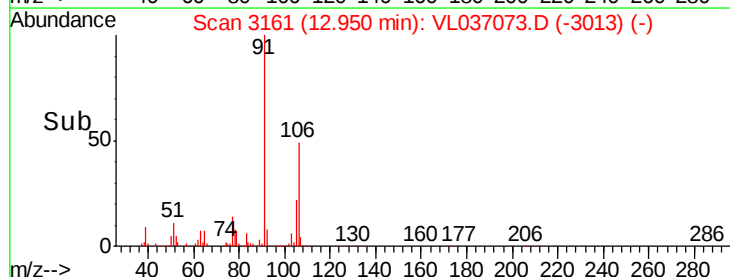
1500000

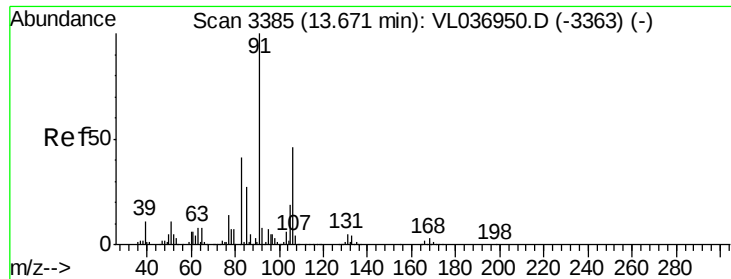
1000000

500000

0

Time--> 12.90 13.00 13.10

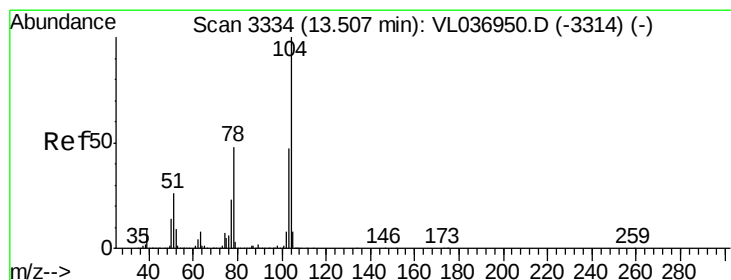
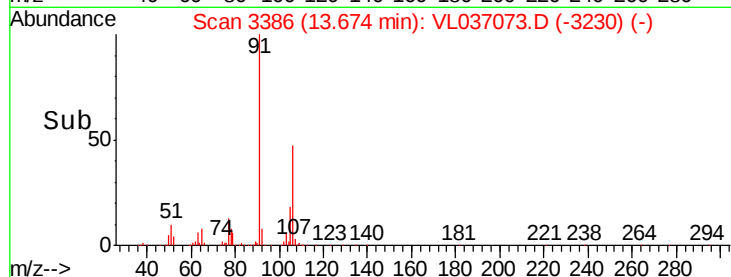
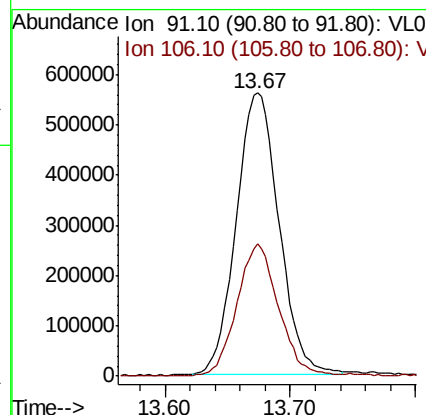
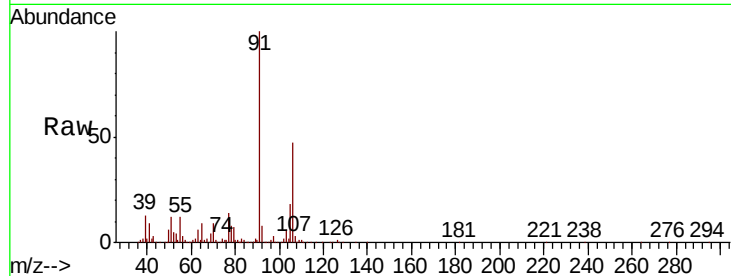




#60
o-Xylene
Concen: 2.698 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

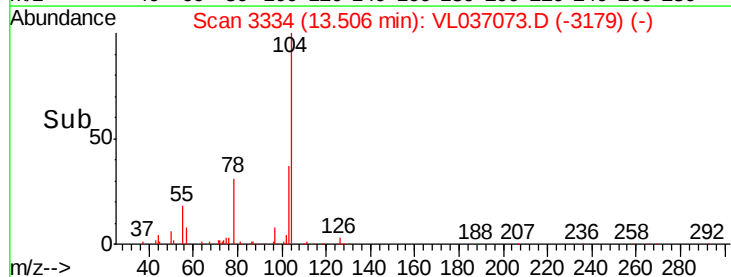
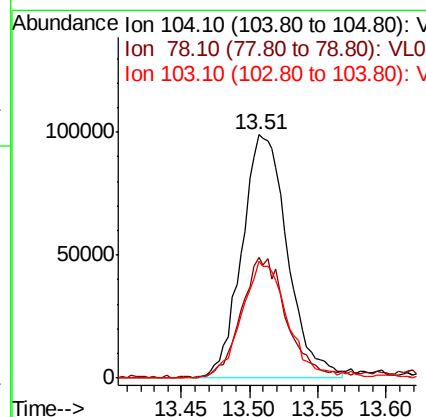
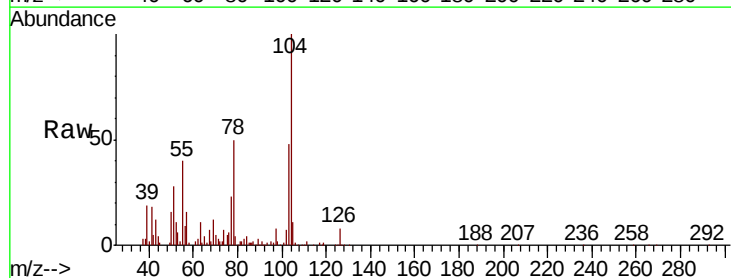
Instrument :
MSVOA_L
ClientSampled :

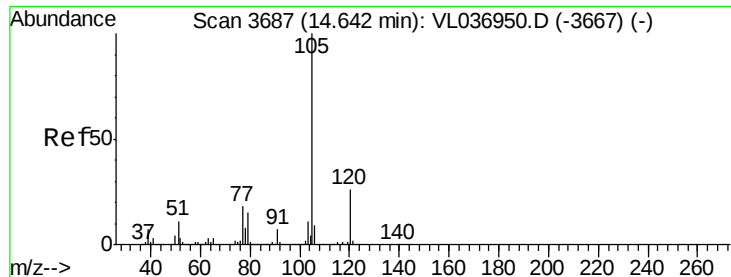
Tot Ion: 91 Resp: 1329349
Ion Ratio Lower Upper
91 100
106 45.8 23.4 70.3



#61
Styrene
Concen: 0.829 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Tgt Ion: 104 Resp: 230135
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 49.2 38.0 57.0





#62

Isopropylbenzene

Concen: 5.869 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

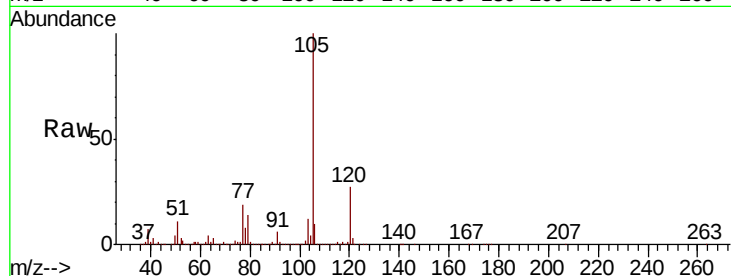
ClientSampleId :

Tot Ion:105 Resp: 4156697

Ion Ratio Lower Upper

105 100

120 26.4 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.65

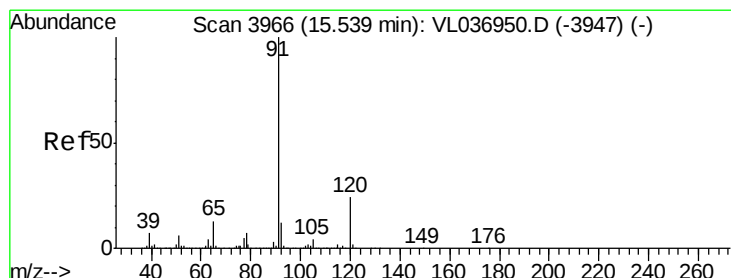
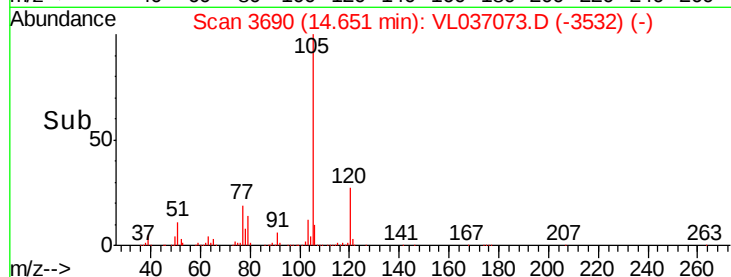
1500000

1000000

500000

0

Time-->



#64

n-propylbenzene

Concen: 0.635 ppbv

RT: 15.54 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL037073.D

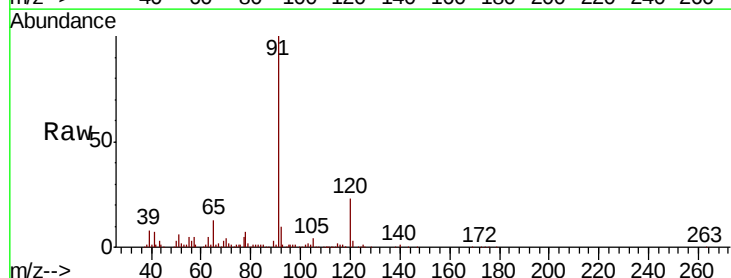
Acq: 1 Jun 2021 17:02

Tgt Ion:120 Resp: 115951

Ion Ratio Lower Upper

120 100

91 461.7 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

250000

200000

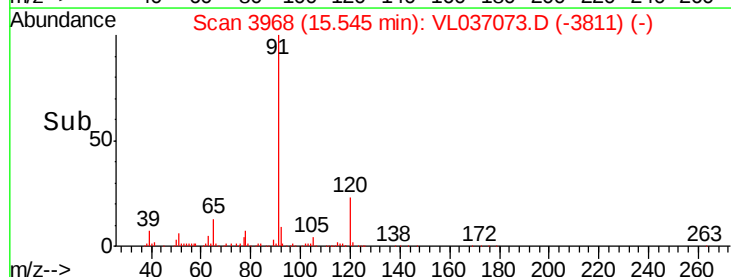
150000

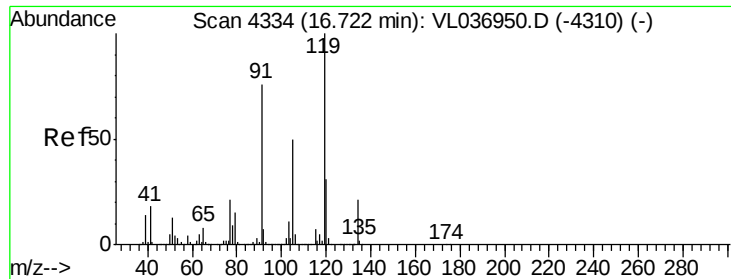
100000

50000

0

Time-->





#65

tert-Butylbenzene

Concen: 0.194 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

ClientSampled :

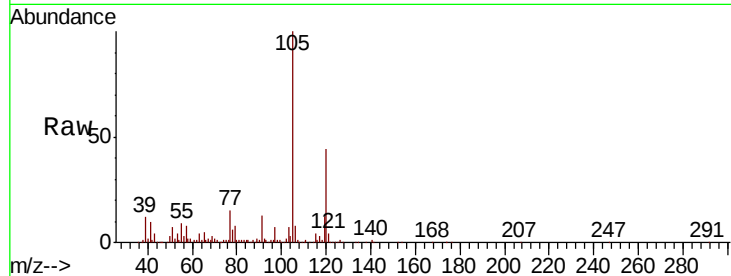
Tot Ion:119 Resp: 124152

Ion Ratio Lower Upper

119 100

91 105.8 61.9 92.9#

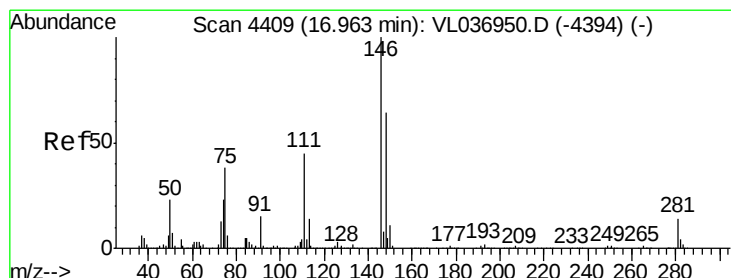
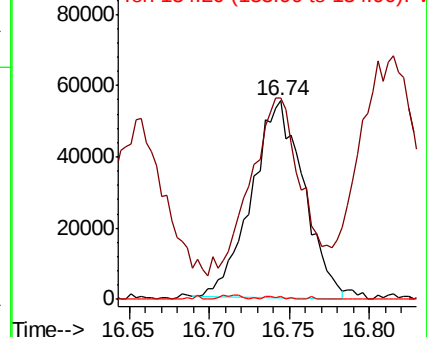
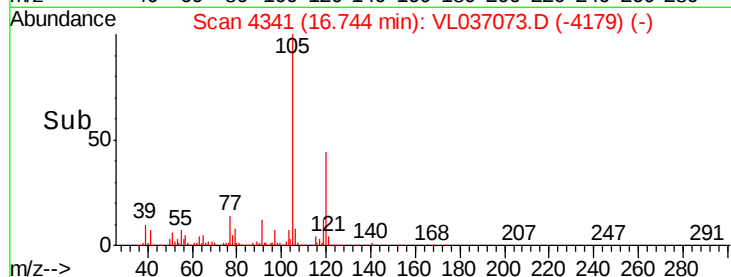
134 0.8 16.2 24.4#



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: 0.033 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.01 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

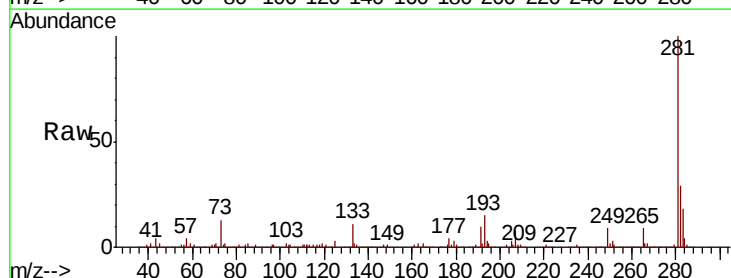
Tgt Ion: 91 Resp: 1161

Ion Ratio Lower Upper

91 100

126 1323.1 16.5 24.7#

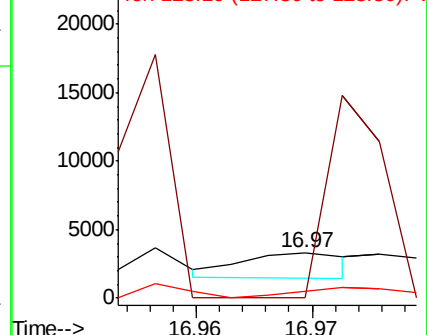
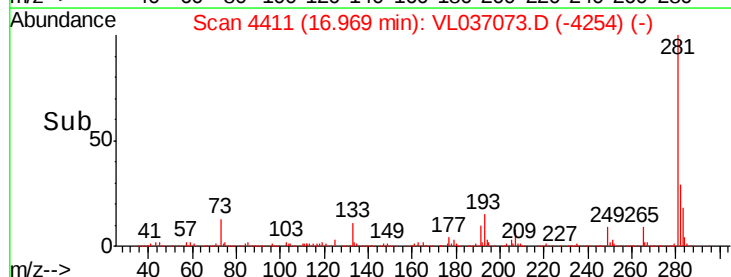
128 55.6 5.5 8.3#

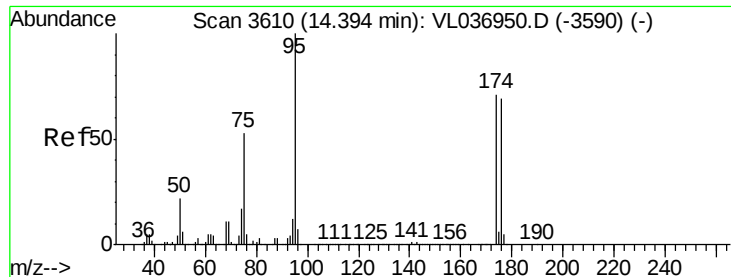


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

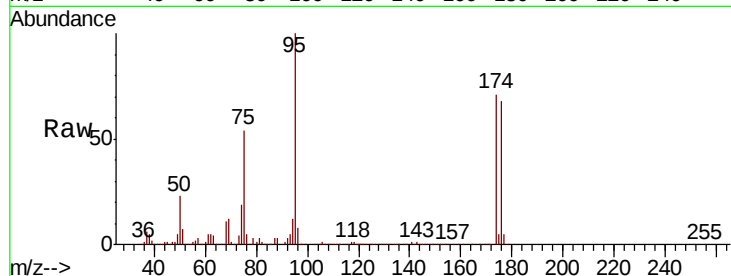




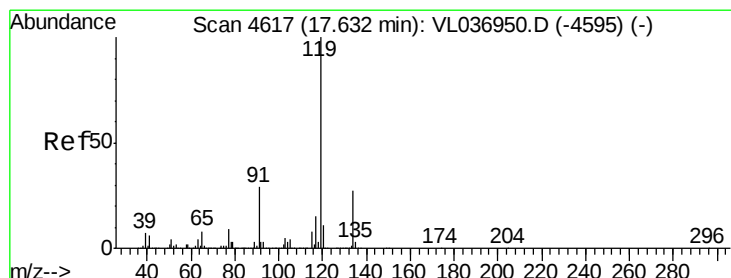
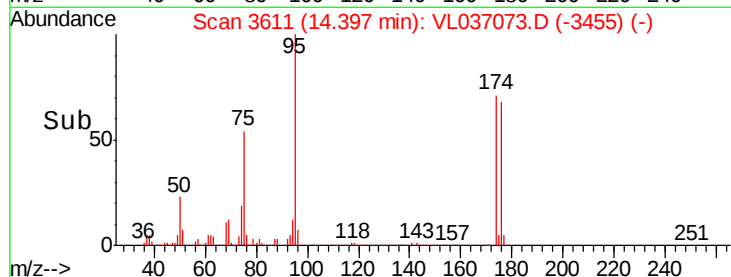
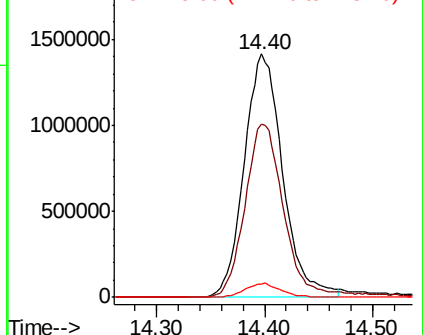
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.503 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037073.D
 Acq: 1 Jun 2021 17:02

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 3494475
 Ion Ratio Lower Upper
 95 100
 174 73.9 58.4 87.6
 175 5.6 4.4 6.6

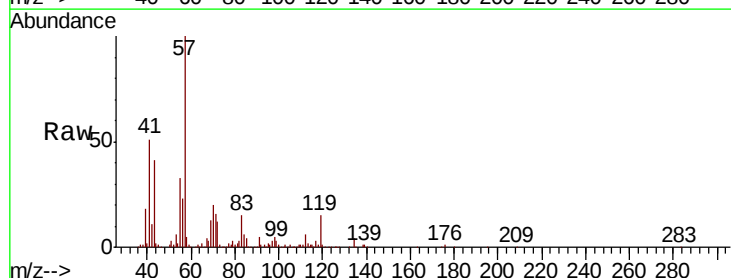


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

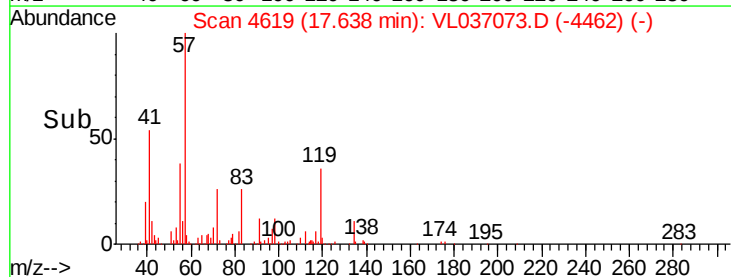
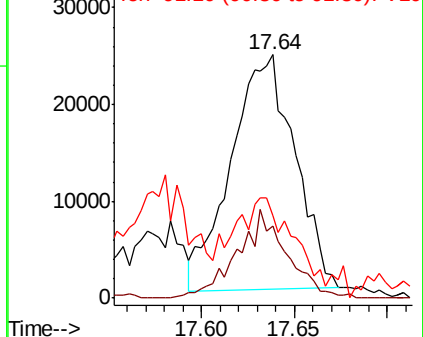


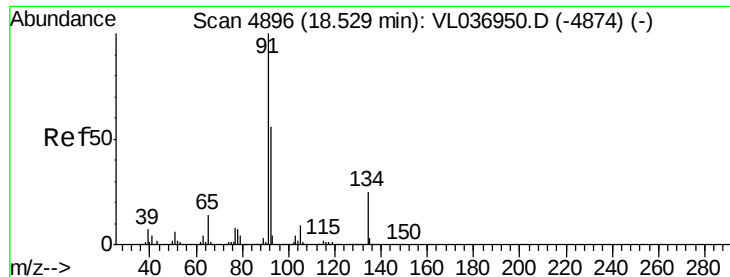
#69
 p-Isopropyltoluene
 Concen: 0.077 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL037073.D
 Acq: 1 Jun 2021 17:02

Tgt Ion: 119 Resp: 57900
 Ion Ratio Lower Upper
 119 100
 134 29.2 21.2 31.8
 91 45.3 22.2 33.4#



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.122 ppbv

RT: 18.53 min Scan# 4897

Delta R.T. 0.00 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

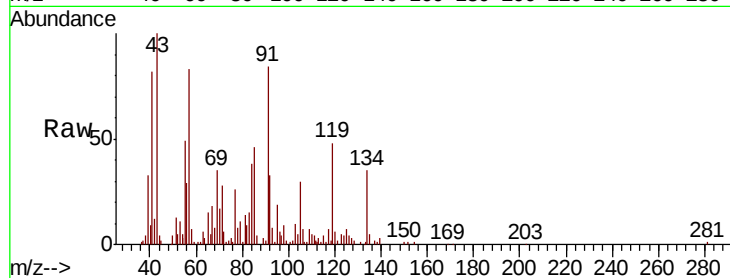
Tot Ion: 91 Resp: 86899

Ion Ratio Lower Upper

91 100

92 48.2 44.6 66.8

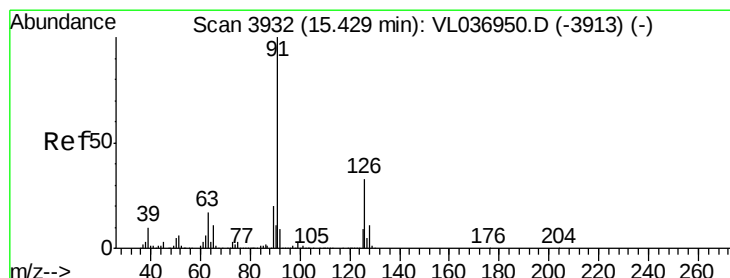
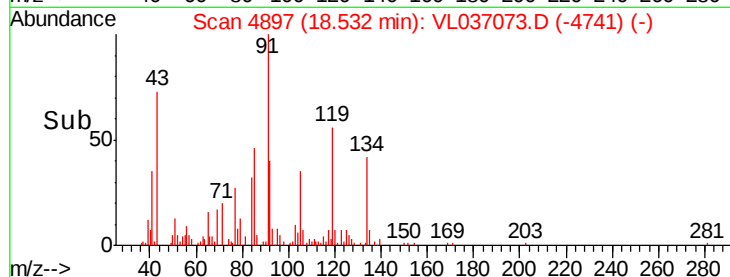
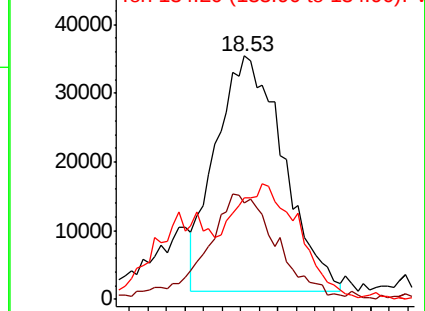
134 79.8 20.2 30.2#



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



#71

2-Chlorotoluene

Concen: 0.610 ppbv

RT: 15.54 min Scan# 3968

Delta R.T. 0.12 min

Lab File: VL037073.D

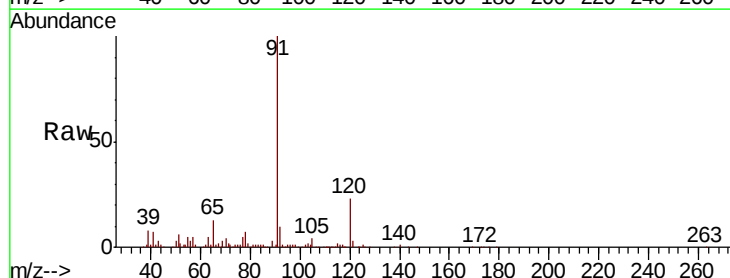
Acq: 1 Jun 2021 17:02

Tgt Ion: 91 Resp: 311813

Ion Ratio Lower Upper

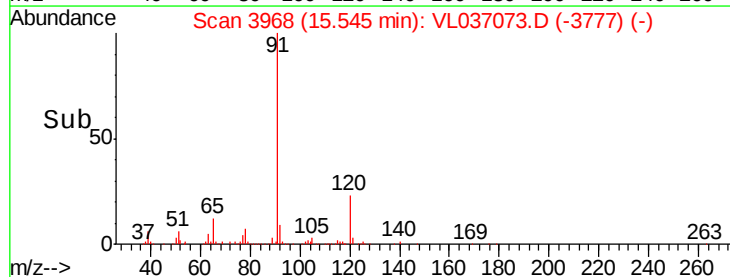
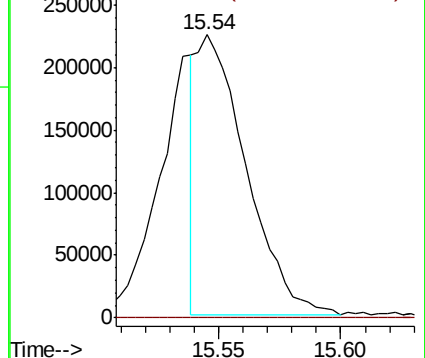
91 100

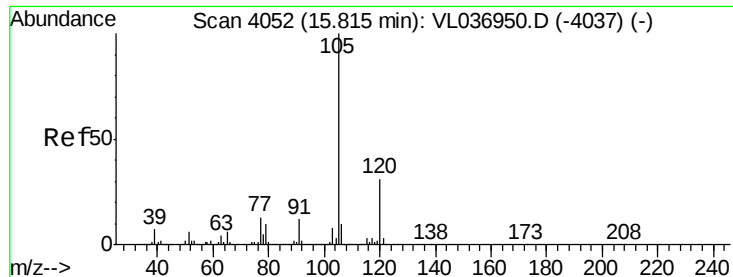
126 0.5 13.1 52.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

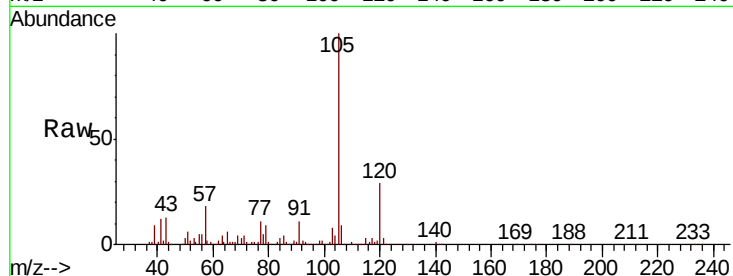




#72
4-Ethyltoluene
Concen: 1.084 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. 0.00 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

Instrument :
MSVOA_L
ClientSampled :

Tot Ion	Ratio	Lower	Upper
105	100		
120	31.9	24.6	37.0
91	13.5	9.8	14.6
77	13.5	10.4	15.6



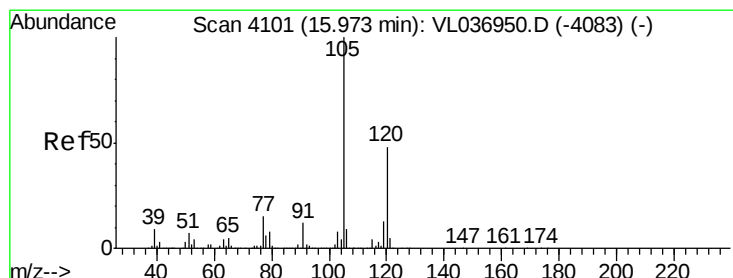
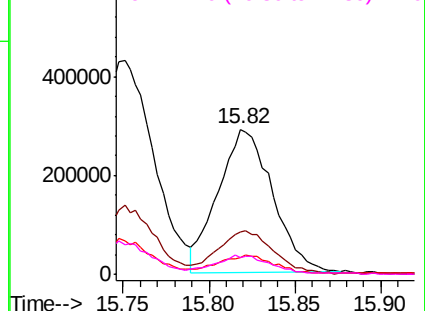
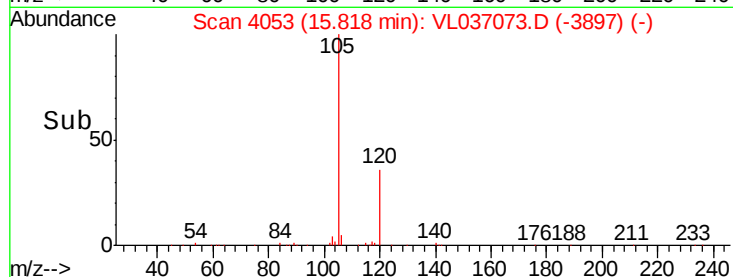
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

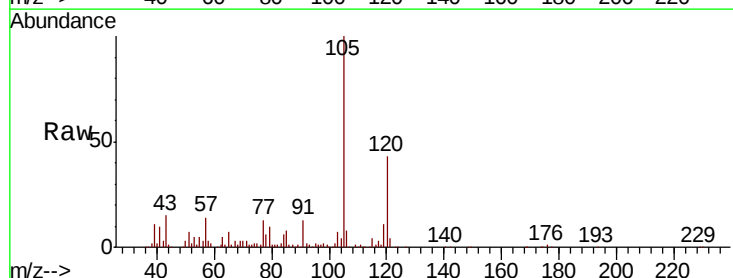
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73
1,3,5-Trimethylbenzene
Concen: 0.513 ppbv
RT: 15.98 min Scan# 4103
Delta R.T. 0.01 min
Lab File: VL037073.D
Acq: 1 Jun 2021 17:02

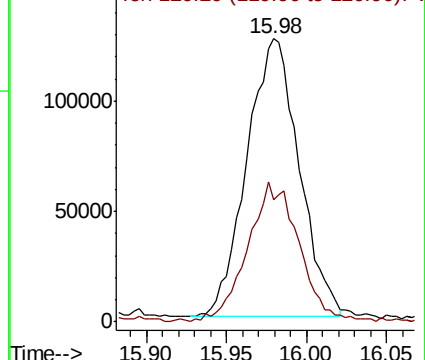
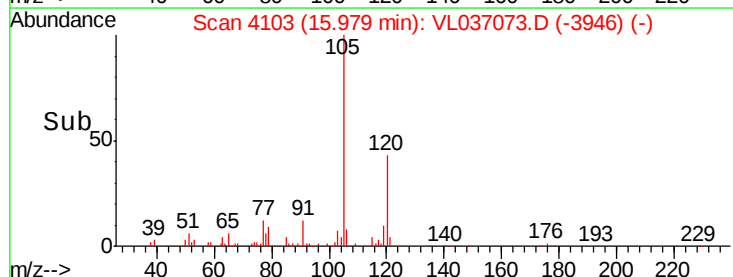
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	38.6	58.0

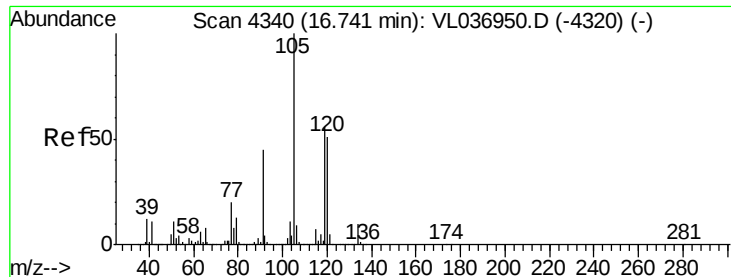


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.852 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1051852

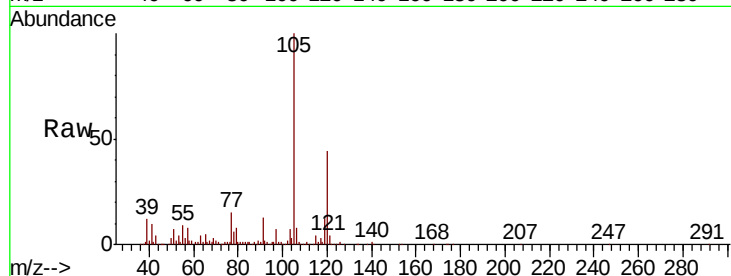
Ion Ratio Lower Upper

105 100

120 43.6 40.6 61.0

91 10.7 37.4 56.0#

77 11.5 16.2 24.4#

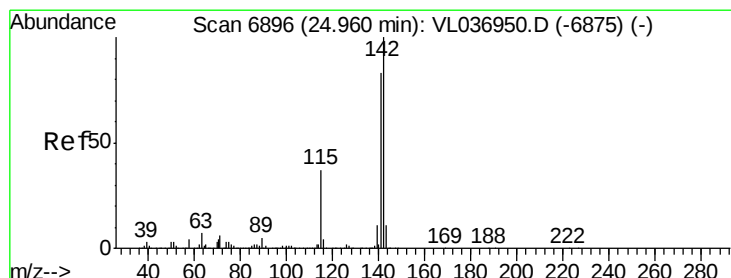
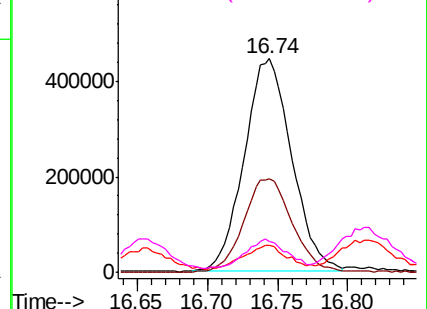
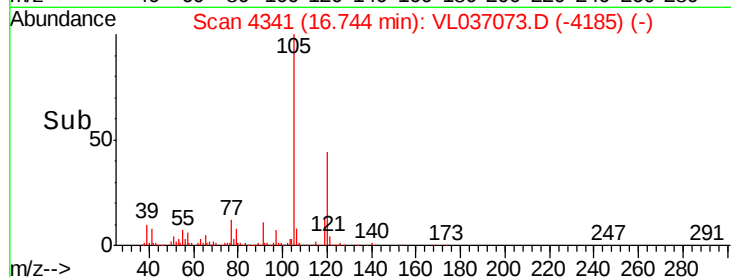


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.033 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037073.D

Acq: 1 Jun 2021 17:02

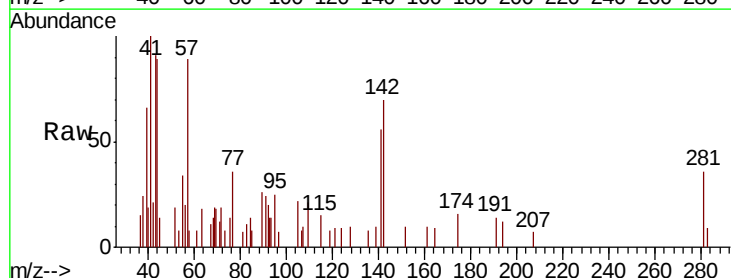
Tgt Ion:142 Resp: 3179

Ion Ratio Lower Upper

142 100

141 80.7 69.3 103.9

115 69.4 29.1 43.7#



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

