

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036978.D
 Acq On : 18 May 2021 20:59
 Operator : SY/AP
 Sample : M2430-03 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: May 19 03:15:31 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	1284832	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3702536	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3456358	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2623411	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

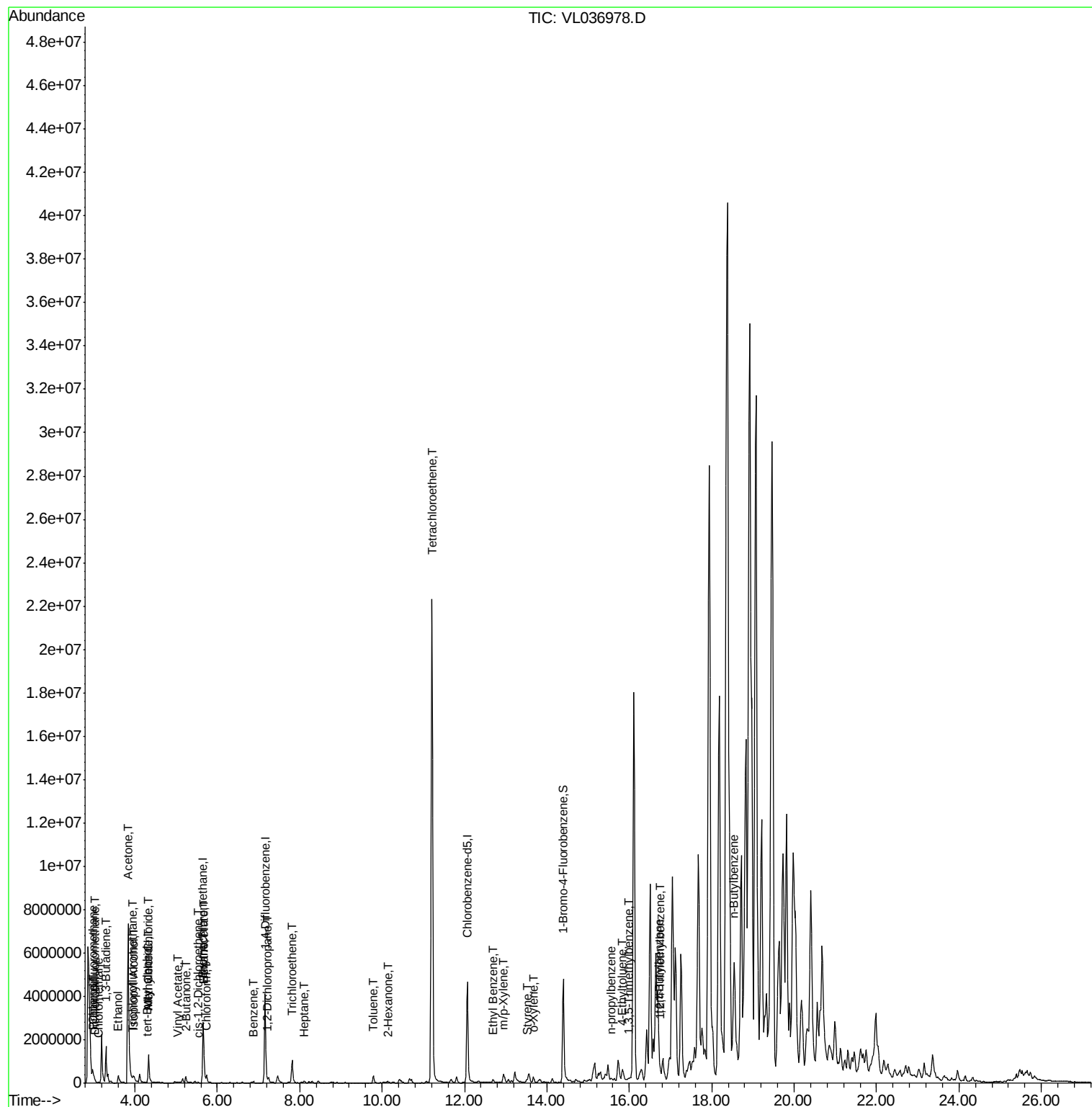
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	43020	0.197	ppbv	97
3) Chlorodifluoromethane	2.97	51	730094	3.102	ppbv	93
4) Chloromethane	3.13	50	12625	0.158	ppbv	94
9) Propene	3.00	41	51747	0.614	ppbv #	40
10) Heptane	8.10	43	27547	0.131	ppbv	94
11) Trichlorofluoromethane	3.94	101	36750	0.182	ppbv	86
13) Ethanol	3.59	45	486807	43.287	ppbv	100
15) Acetone	3.83	43	10478510	79.623	ppbv	96
16) 1,3-Butadiene	3.29	39	483127	5.909	ppbv #	18
17) tert-Butyl alcohol	4.29	59	14224	0.118	ppbv #	39
19) Isopropyl Alcohol	3.96	45	394449	5.576	ppbv #	30
20) Methylene Chloride	4.33	84	533026	7.556	ppbv	96
21) Allyl Chloride	4.33	41	19603	0.197	ppbv #	31
23) Vinyl Acetate	5.05	43	15376	0.074	ppbv #	81
25) Ethyl Acetate	5.67	43	278899	0.882	ppbv #	79
26) Hexane	5.67	57	393625	2.437	ppbv #	46
29) Chloroform	5.74	83	234249	1.026	ppbv	93
31) cis-1,2-Dichloroethene	5.53	61	6421	0.044	ppbv	95
34) 2-Butanone	5.23	43	400487	2.971	ppbv	96
36) Benzene	6.87	78	21824	0.068	ppbv #	93
38) Trichloroethene	7.82	130	375173	2.750	ppbv	95
39) 1,2-Dichloropropane	7.21	63	17045	0.139	ppbv #	31
51) 2-Hexanone	10.14	43	63382	0.539	ppbv #	92
52) Tetrachloroethene	11.21	164	7100771	55.991	ppbv	96
53) Toluene	9.79	91	291776	0.769	ppbv	99
58) Ethyl Benzene	12.69	91	142666	0.292	ppbv	99
59) m/p-Xylene	12.94	91	411658	1.021	ppbv	96
60) o-Xylene	13.67	91	188966	0.491	ppbv	98
61) Styrene	13.51	104	30135	0.139	ppbv	88
64) n-propylbenzene	15.54	120	9281	0.065	ppbv #	1
65) tert-Butylbenzene	16.74	119	17852	0.036	ppbv #	1
70) n-Butylbenzene	18.55	91	98207	0.177	ppbv #	88
72) 4-Ethyltoluene	15.82	105	92178	0.202	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.98	105	83289	0.194	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	317877	0.717	ppbv #	71

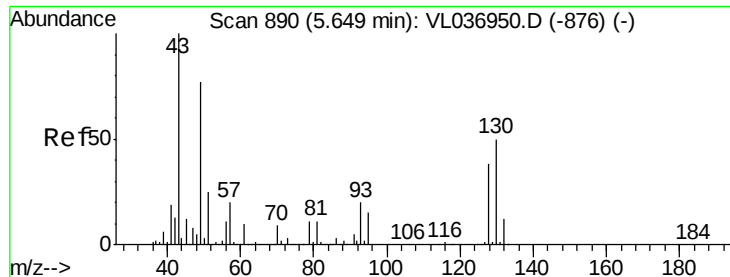
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :
MSVOA_L
ClientSampled :
SV1

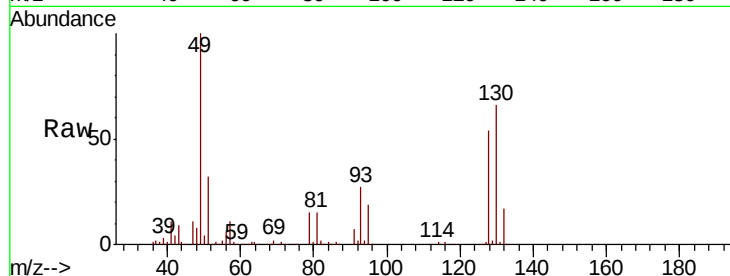
Tot Ion: 49 Resp: 1284832

Ion Ratio Lower Upper

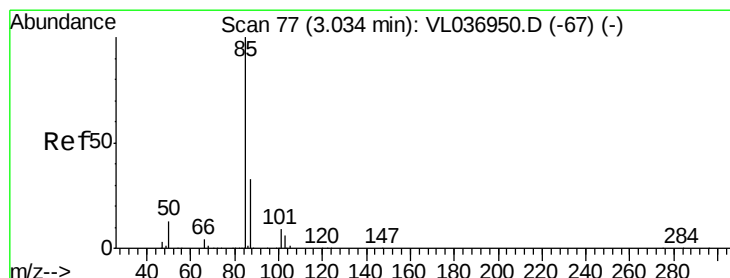
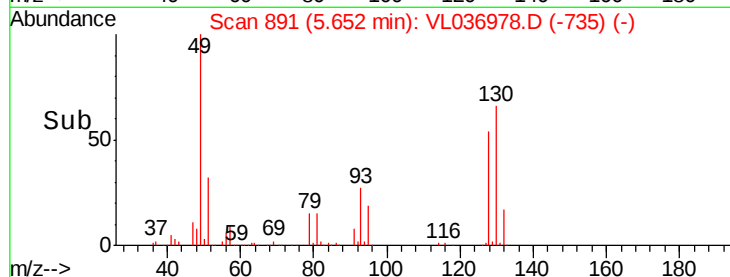
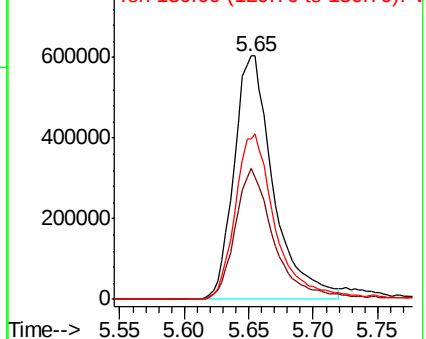
49 100

128 54.4 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: 0.197 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL036978.D

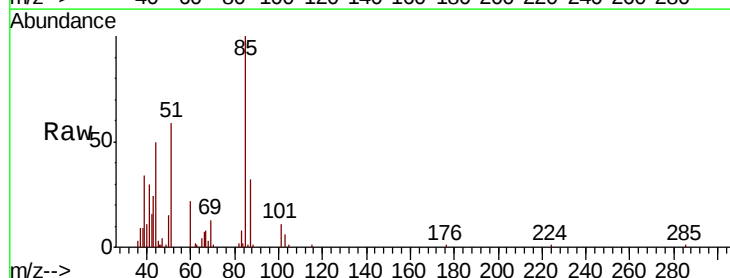
Acq: 18 May 2021 20:59

Tgt Ion: 85 Resp: 43020

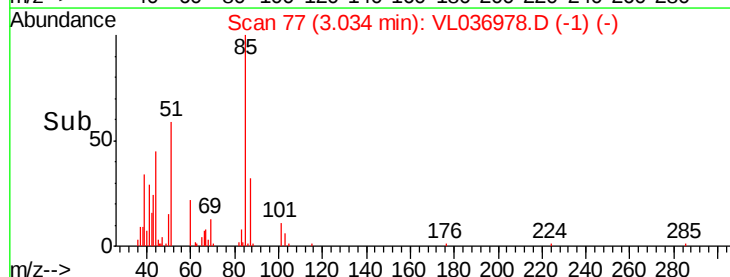
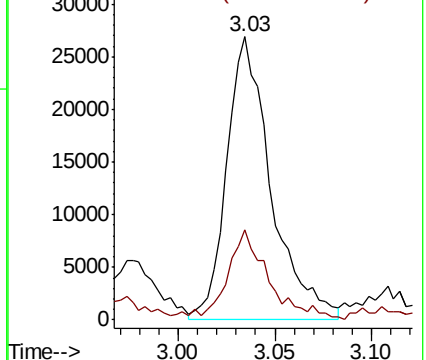
Ion Ratio Lower Upper

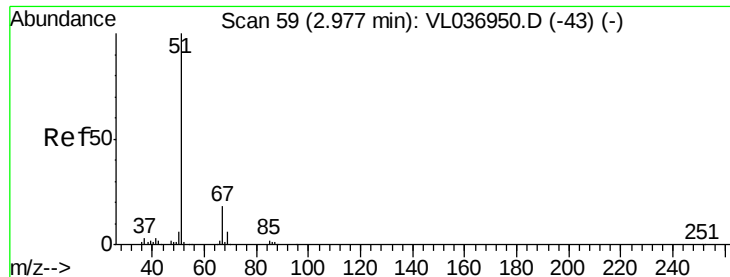
85 100

87 31.3 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: 3.102 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampled :

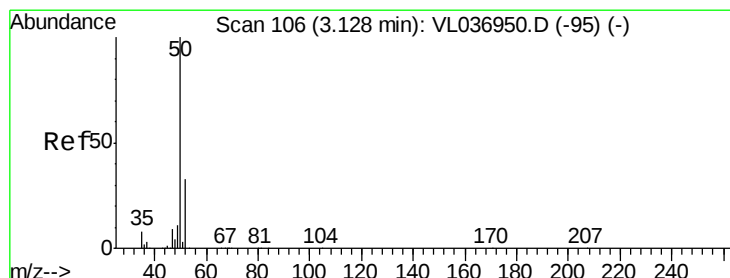
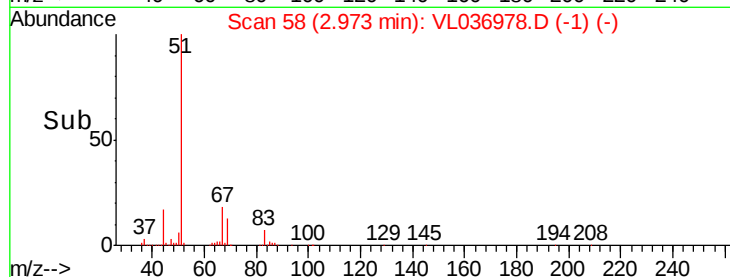
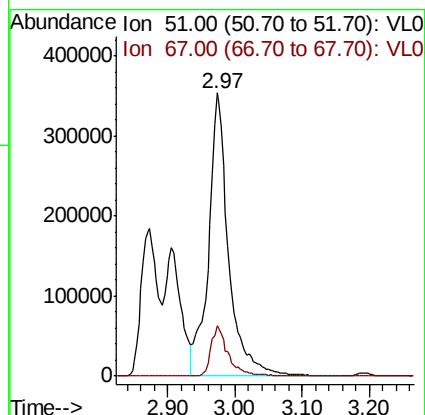
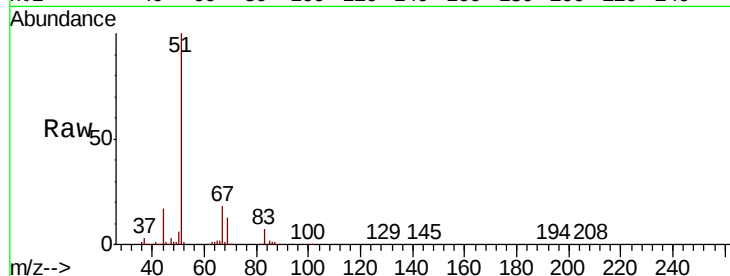
SV1

Tot Ion: 51 Resp: 730094

Ion Ratio Lower Upper

51 100

67 15.3 14.6 21.8



#4

Chloromethane

Concen: 0.158 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL036978.D

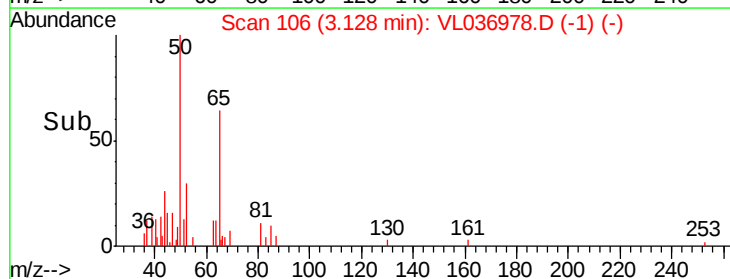
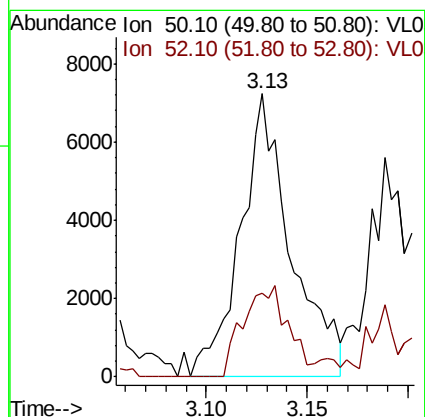
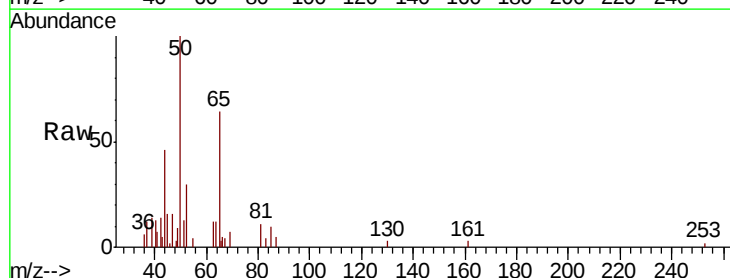
Acq: 18 May 2021 20:59

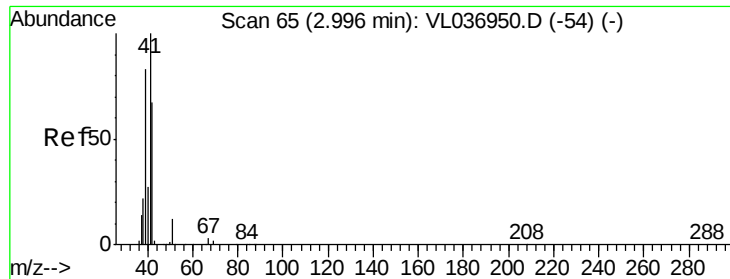
Tgt Ion: 50 Resp: 12625

Ion Ratio Lower Upper

50 100

52 36.2 26.1 39.1





#9

Propene

Concen: 0.614 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampled :

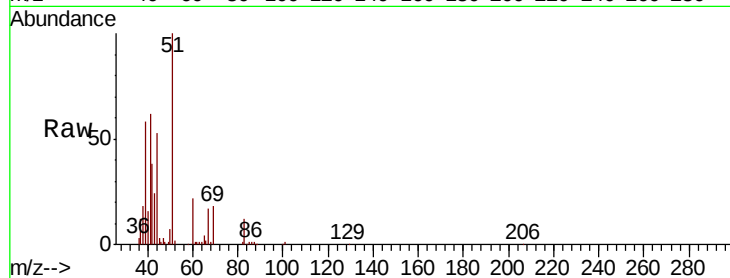
SV1

Tot Ion: 41 Resp: 51747

Ion Ratio Lower Upper

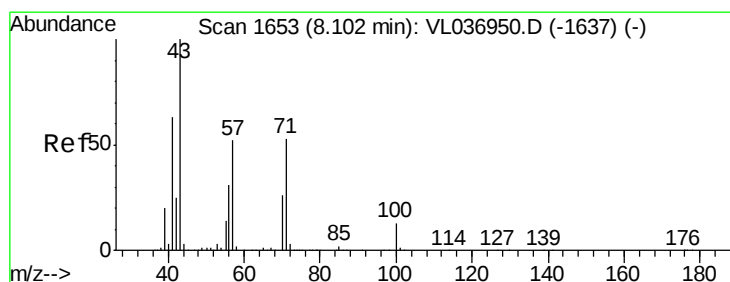
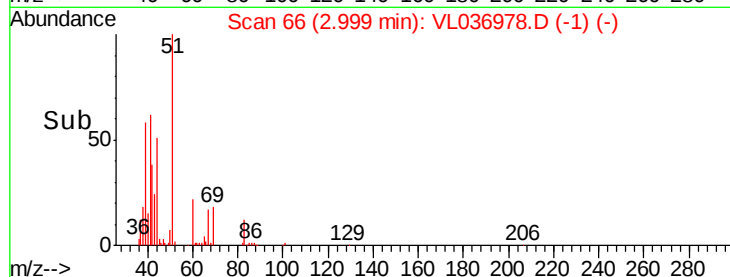
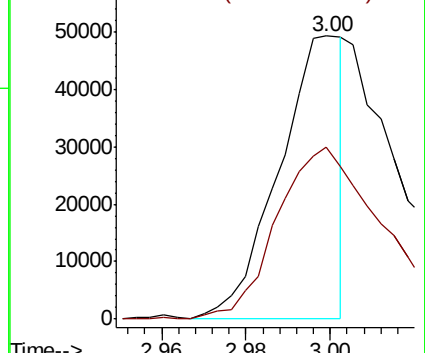
41 100

42 115.3 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.131 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL036978.D

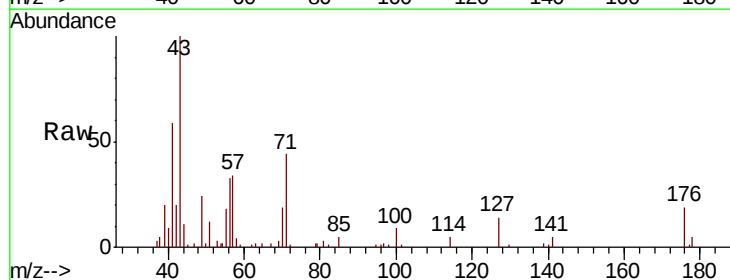
Acq: 18 May 2021 20:59

Tgt Ion: 43 Resp: 27547

Ion Ratio Lower Upper

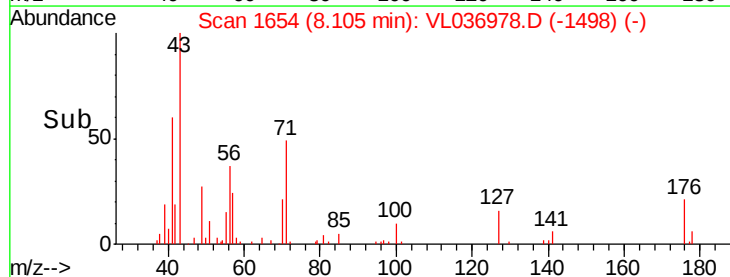
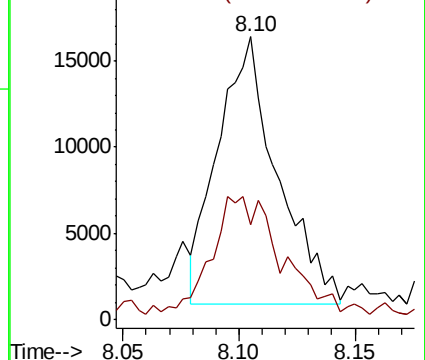
43 100

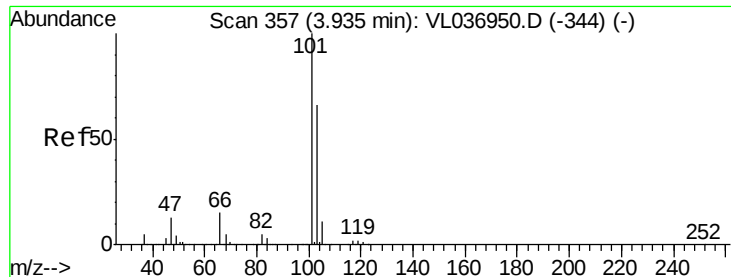
57 55.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

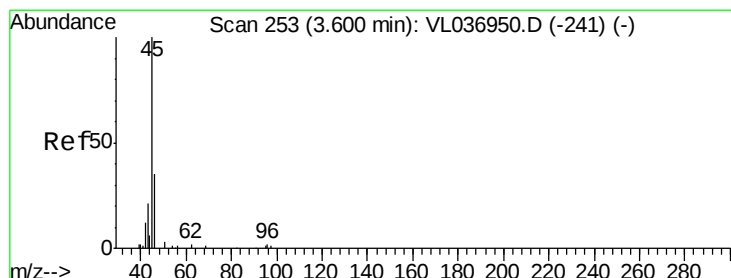
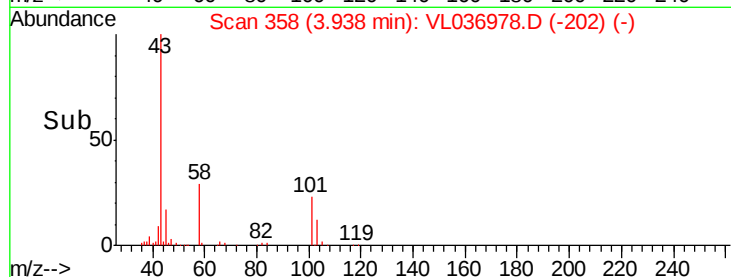
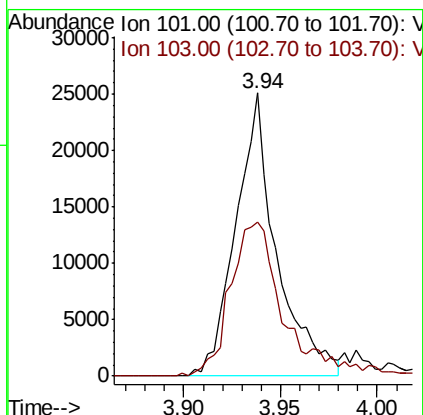
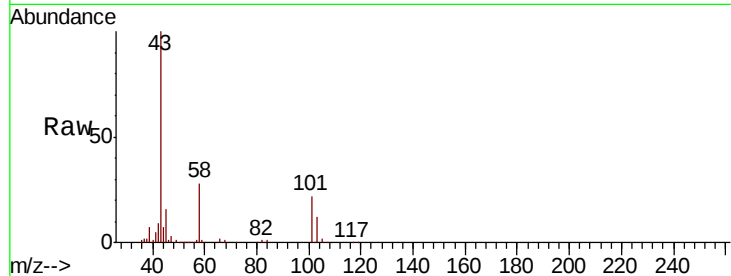




#11
 Trichlorofluoromethane
 Concen: 0.182 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VL036978.D
 Acq: 18 May 2021 20:59

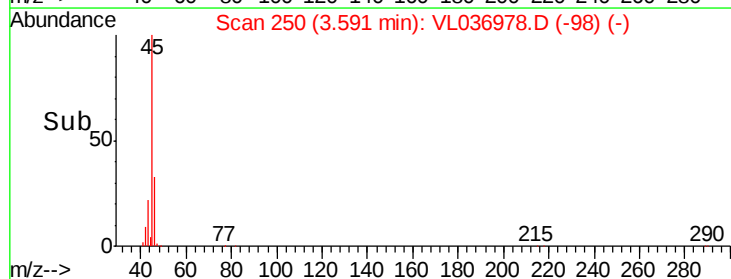
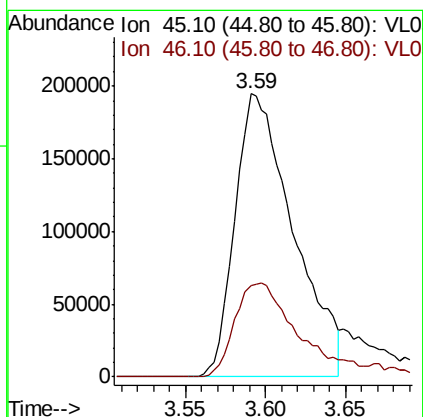
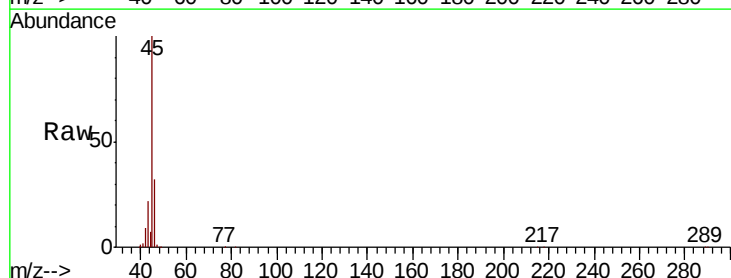
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

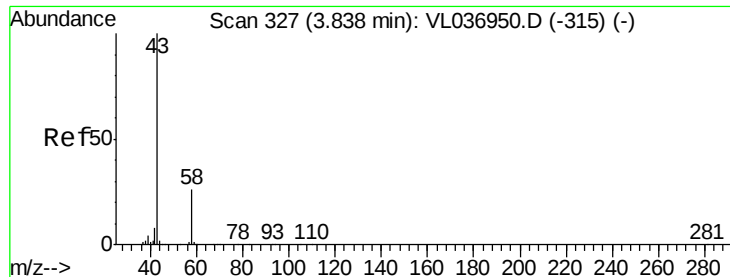
Tot Ion:101 Resp: 36750
 Ion Ratio Lower Upper
 101 100
 103 54.3 52.6 79.0



#13
 Ethanol
 Concen: 43.287 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VL036978.D
 Acq: 18 May 2021 20:59

Tgt Ion: 45 Resp: 486807
 Ion Ratio Lower Upper
 45 100
 46 40.8 16.3 65.3





#15

Acetone

Concen: 79.623 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

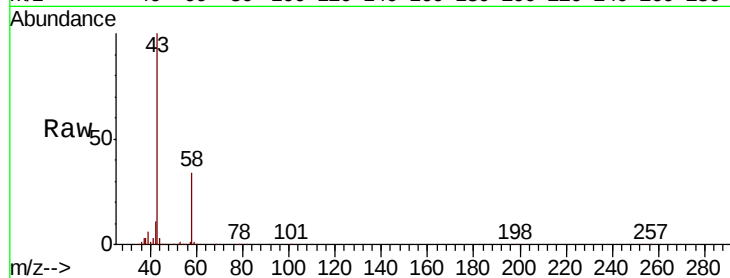
SV1

Tot Ion: 43 Resp:10478510

Ion Ratio Lower Upper

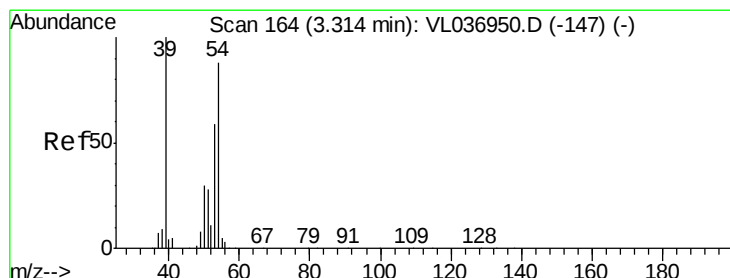
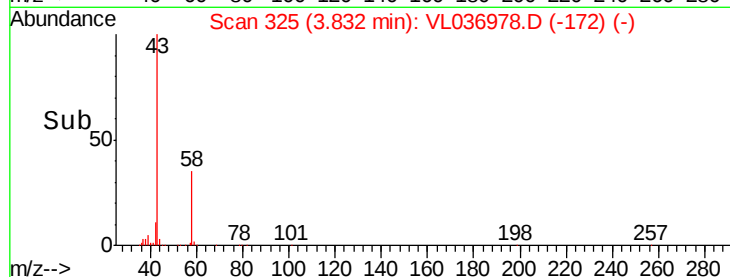
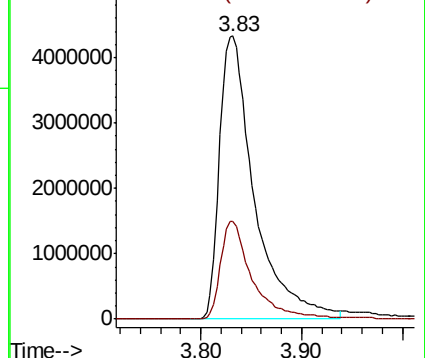
43 100

58 32.1 24.0 36.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 5.909 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.02 min

Lab File: VL036978.D

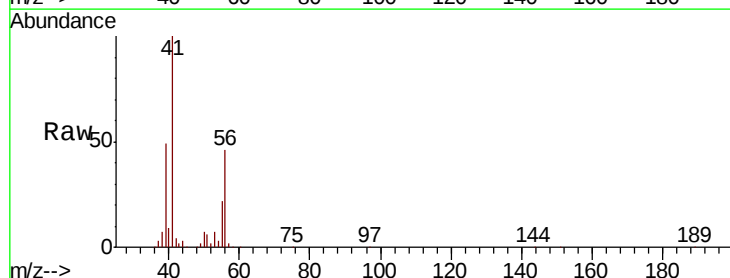
Acq: 18 May 2021 20:59

Tgt Ion: 39 Resp: 483127

Ion Ratio Lower Upper

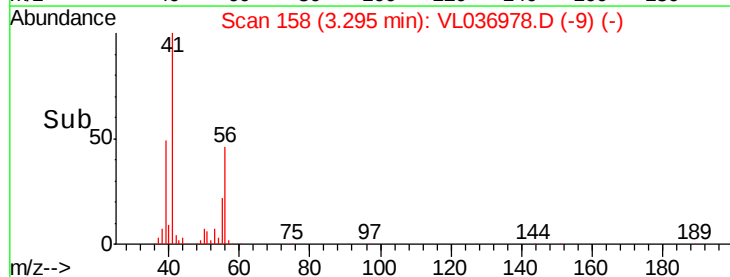
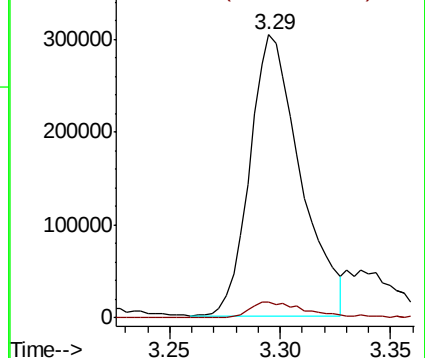
39 100

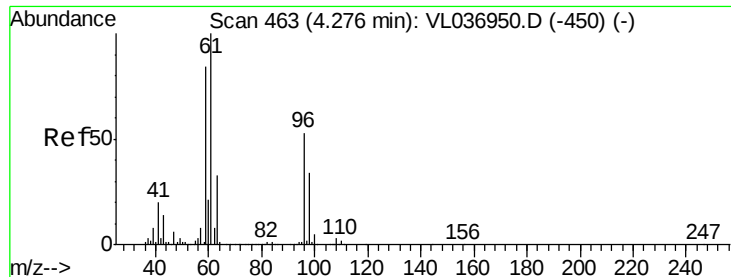
54 7.0 63.2 94.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.118 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampled :

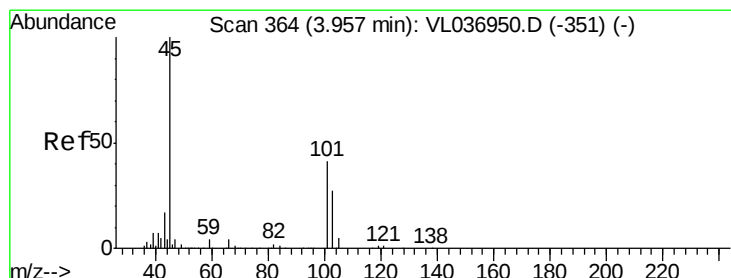
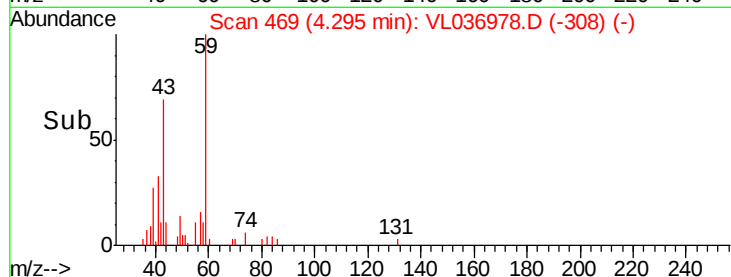
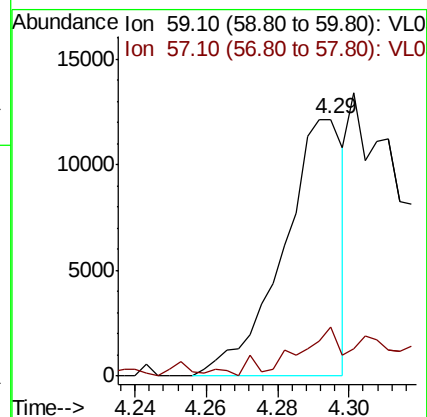
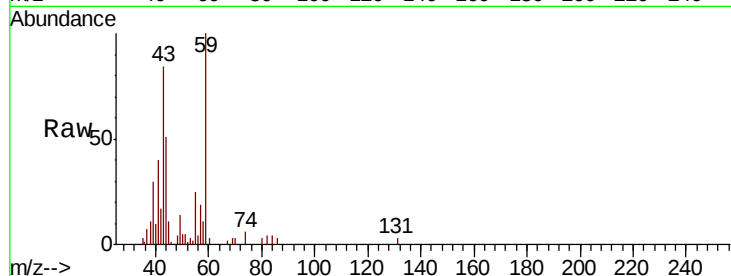
SV1

Tot Ion: 59 Resp: 14224

Ion Ratio Lower Upper

59 100

57 33.2 8.3 12.5#



#19

Isopropyl Alcohol

Concen: 5.576 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL036978.D

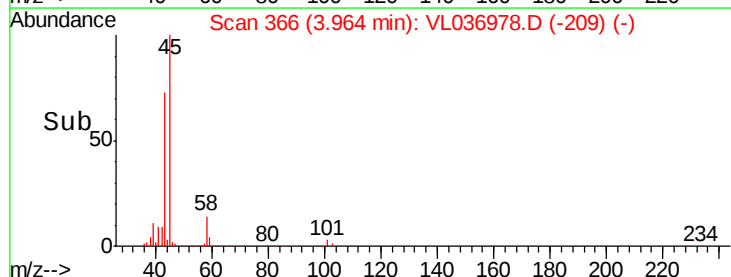
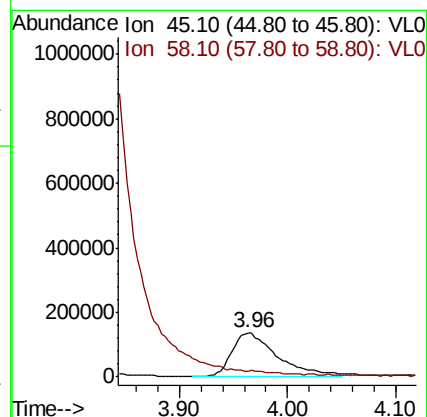
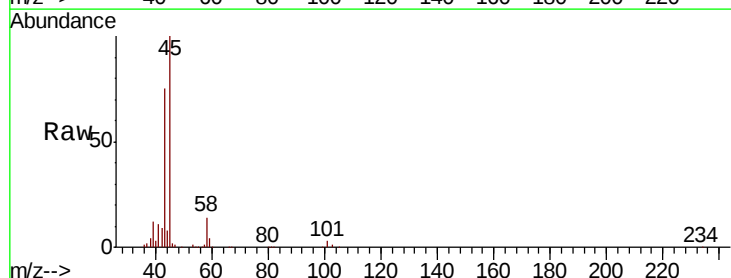
Acq: 18 May 2021 20:59

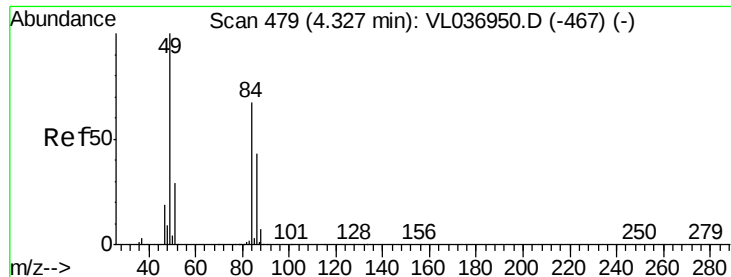
Tgt Ion: 45 Resp: 394449

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

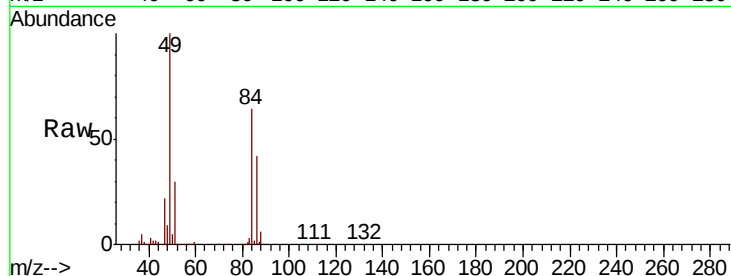




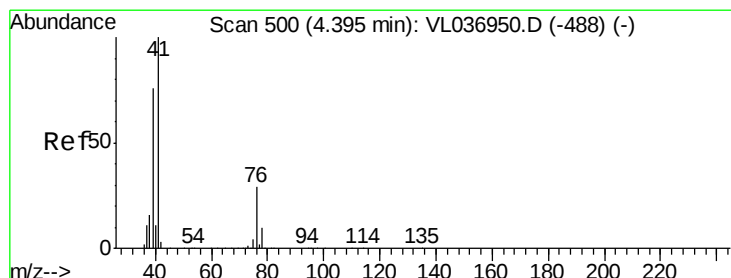
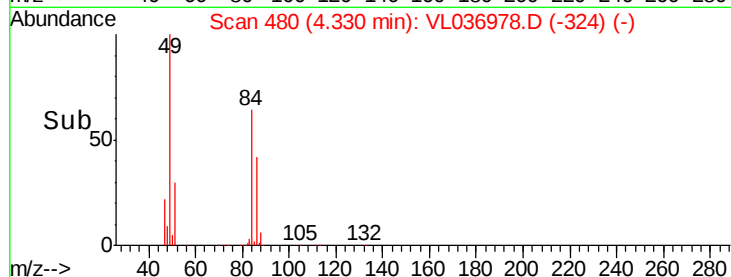
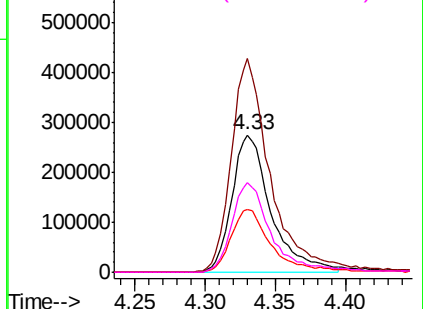
#20
Methylene Chloride
Concen: 7.556 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036978.D
Acq: 18 May 2021 20:59

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion:	84	Resp:	533026
Ion	Ratio	Lower	Upper
84	100		
49	155.9	119.8	179.6
51	46.1	35.1	52.7
86	65.6	50.9	76.3

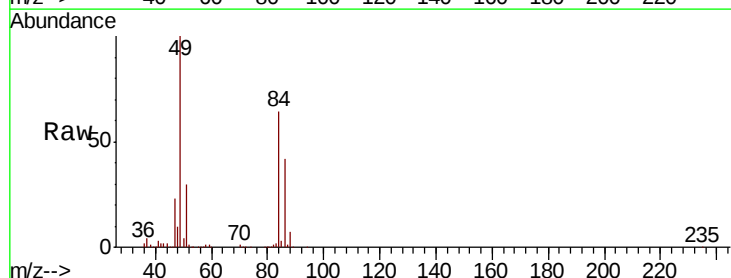


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

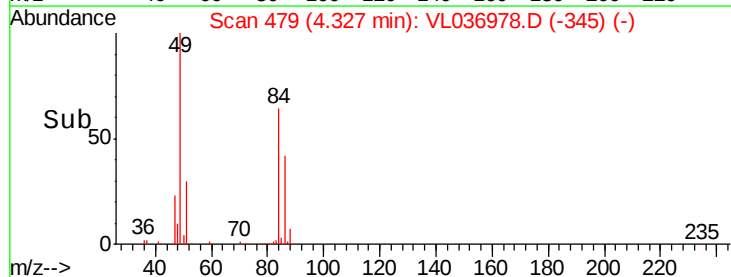
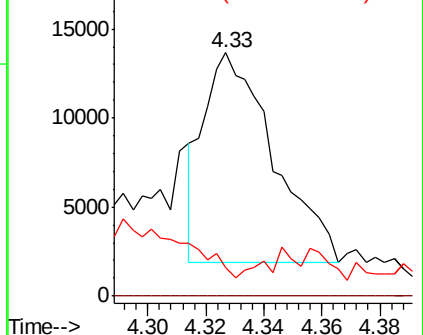


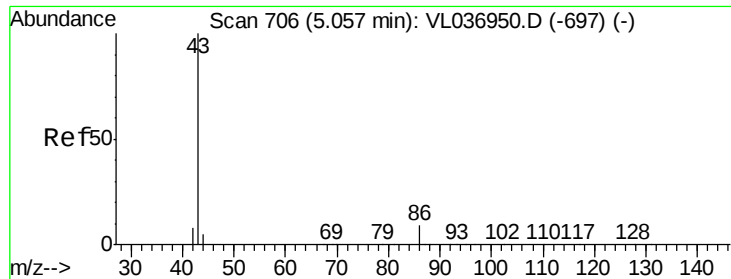
#21
Allyl Chloride
Concen: 0.197 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.07 min
Lab File: VL036978.D
Acq: 18 May 2021 20:59

Tgt Ion:	41	Resp:	19603
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.9	37.3#
39	15.1	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: 0.074 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 43 Resp: 15376

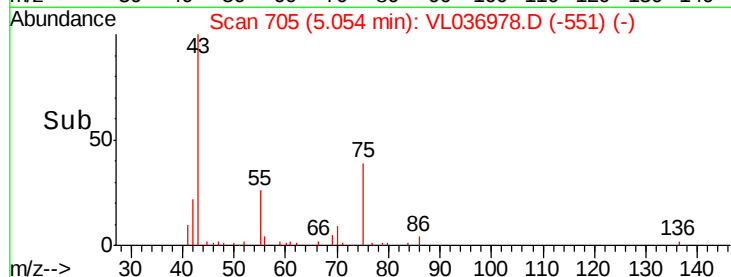
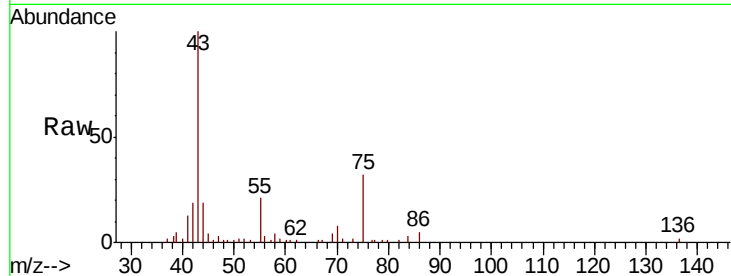
Ion Ratio Lower Upper

43 100

86 0.0 5.8 8.8#

42 16.9 7.4 11.2#

44 0.4 3.3 4.9#

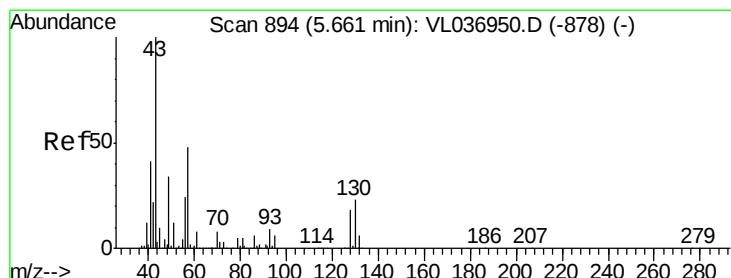
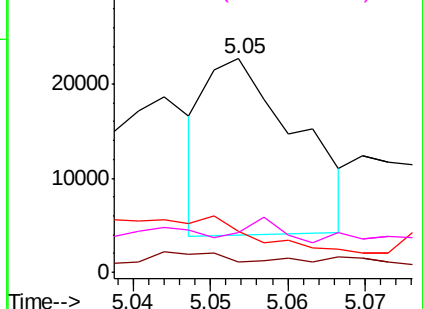


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.882 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Tgt Ion: 43 Resp: 278899

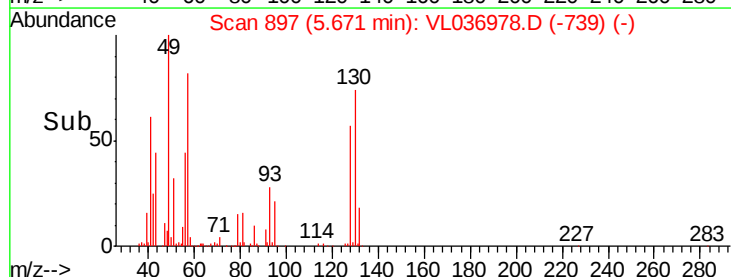
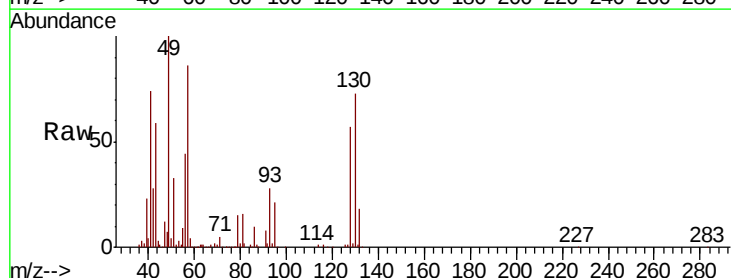
Ion Ratio Lower Upper

43 100

45 1.0 7.8 11.8#

61 1.1 7.8 11.8#

70 2.1 5.6 8.4#

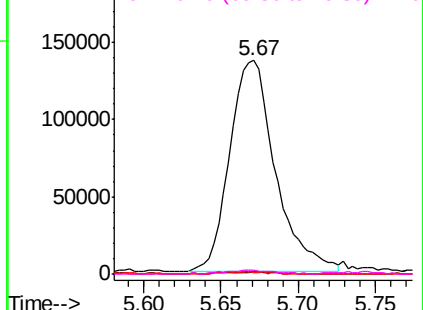


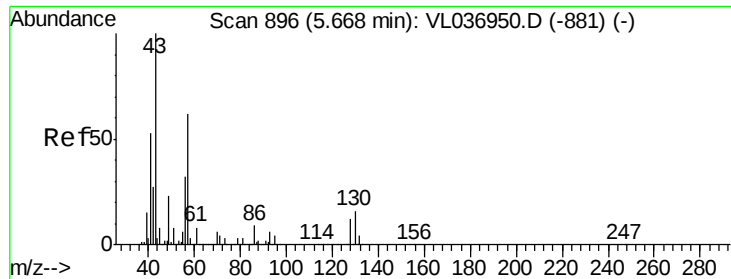
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

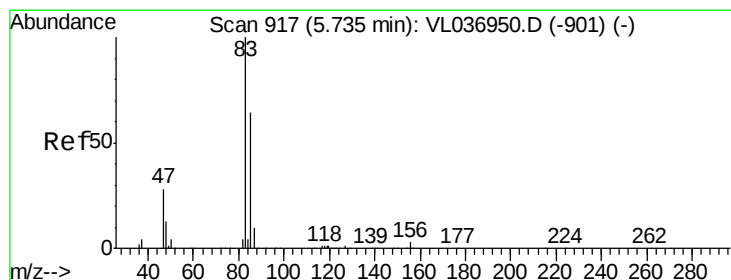
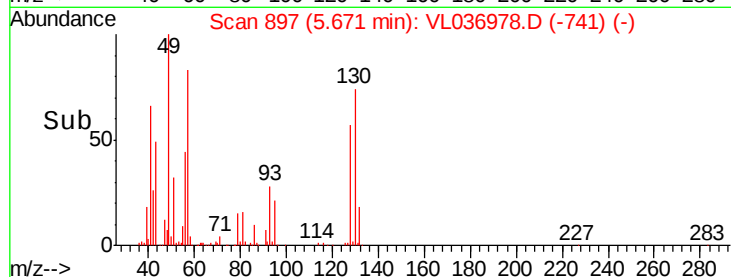
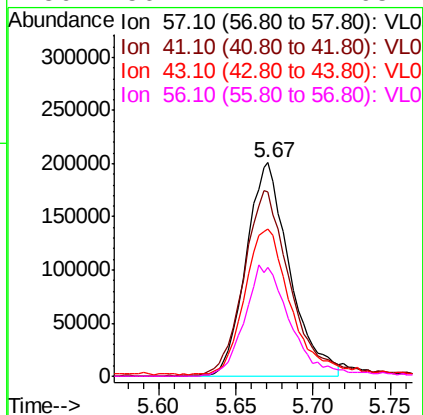
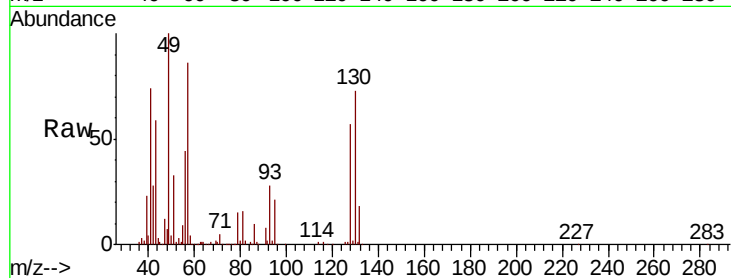




#26
Hexane
Concen: 2.437 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL036978.D
Acq: 18 May 2021 20:59

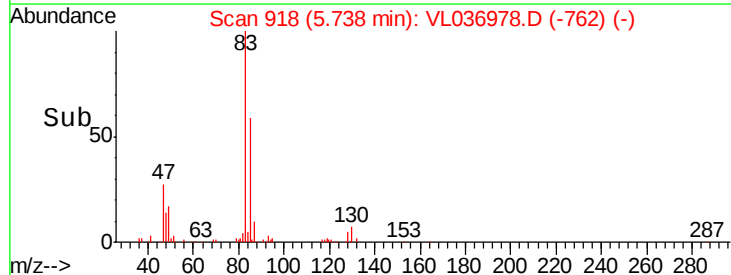
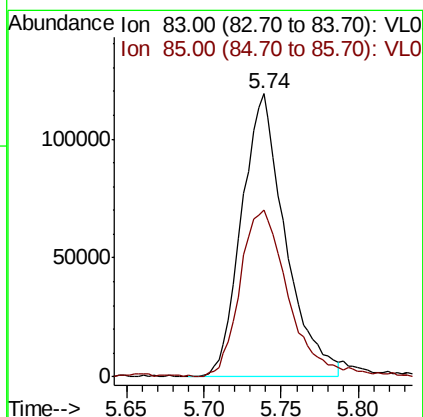
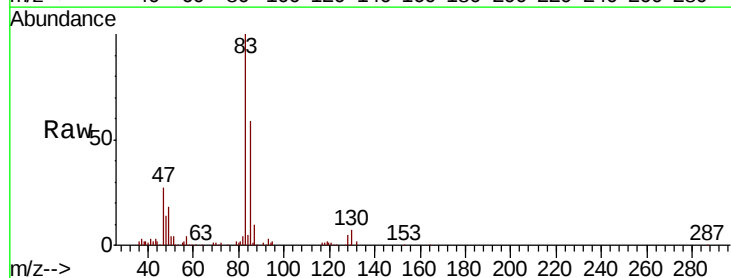
Instrument :
MSVOA_L
ClientSampleId :
SV1

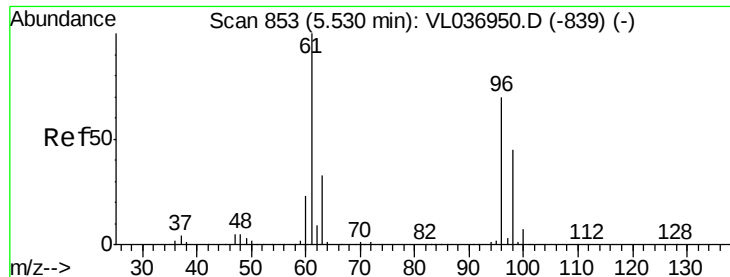
Tot Ion: 57 Resp: 393625
Ion Ratio Lower Upper
57 100
41 95.1 70.5 105.7
43 72.5 165.8 248.8#
56 56.1 42.2 63.4



#29
Chloroform
Concen: 1.026 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL036978.D
Acq: 18 May 2021 20:59

Tgt Ion: 83 Resp: 234249
Ion Ratio Lower Upper
83 100
85 58.6 51.1 76.7



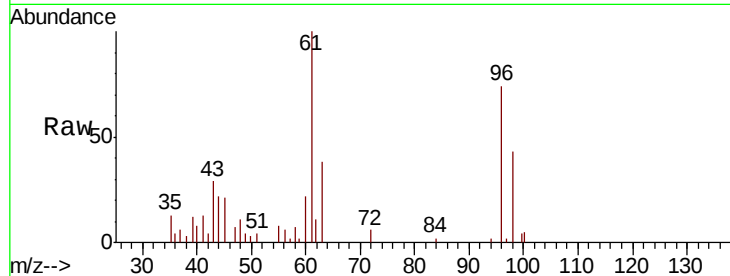


#31

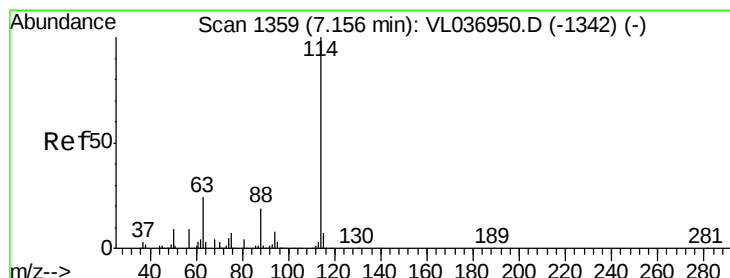
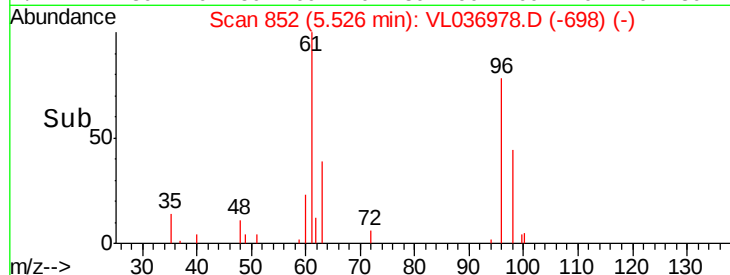
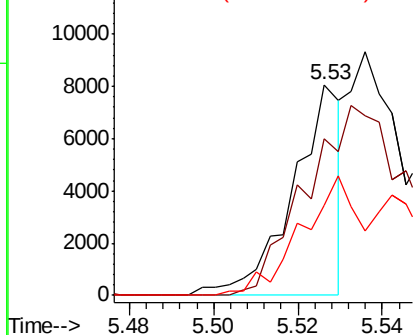
cis-1,2-Dichloroethene
 Concen: 0.044 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL036978.D
 Acq: 18 May 2021 20:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion: 61 Resp: 6421
 Ion Ratio Lower Upper
 61 100
 96 74.5 55.9 83.9
 98 42.6 35.6 53.4



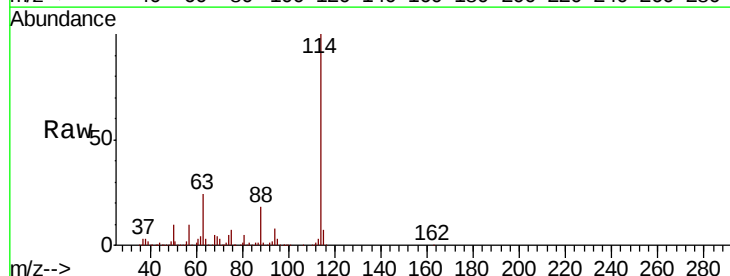
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



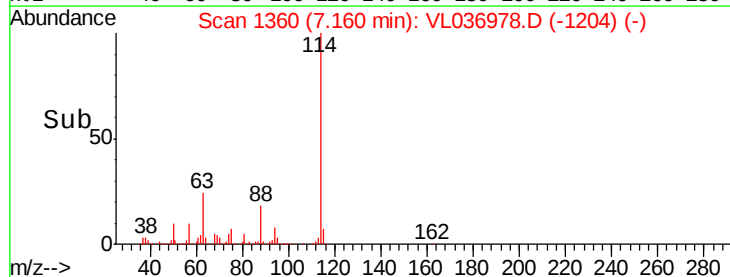
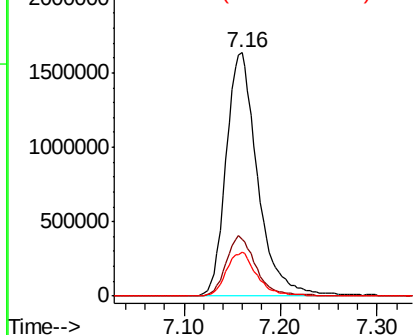
#33

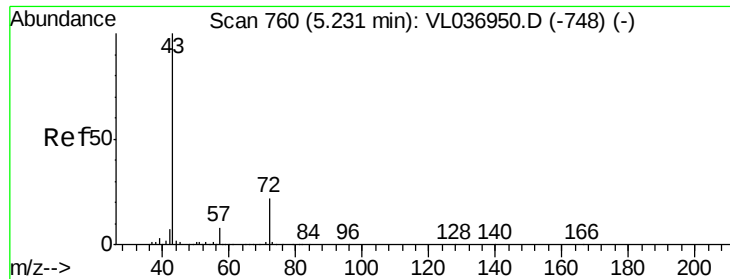
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036978.D
 Acq: 18 May 2021 20:59

Tgt Ion:114 Resp: 3702536
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.7 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: 2.971 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

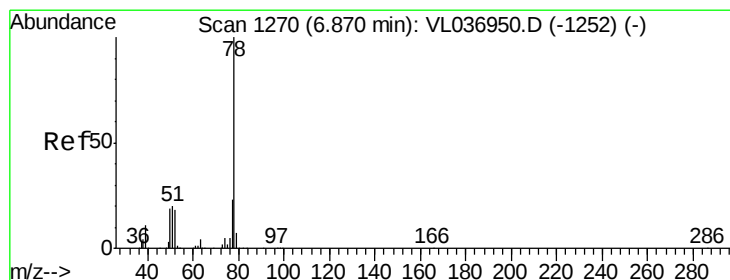
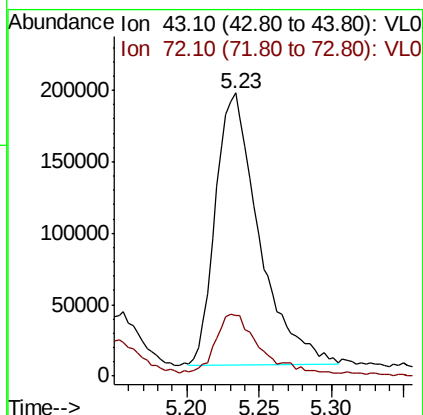
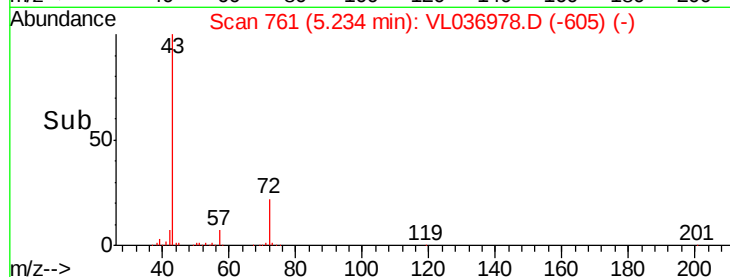
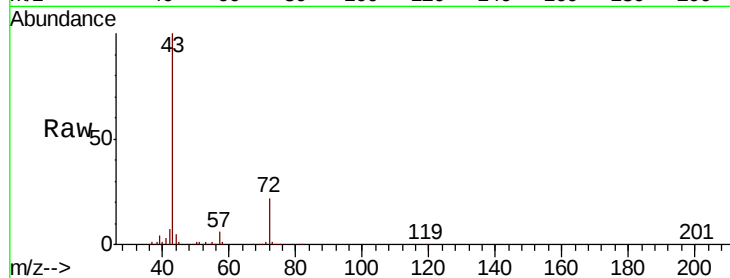
SV1

Tot Ion: 43 Resp: 400487

Ion Ratio Lower Upper

43 100

72 25.7 19.0 28.4



#36

Benzene

Concen: 0.068 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

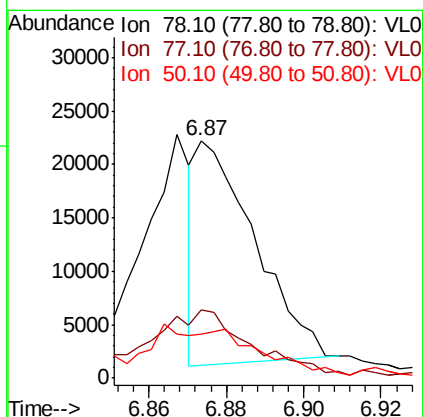
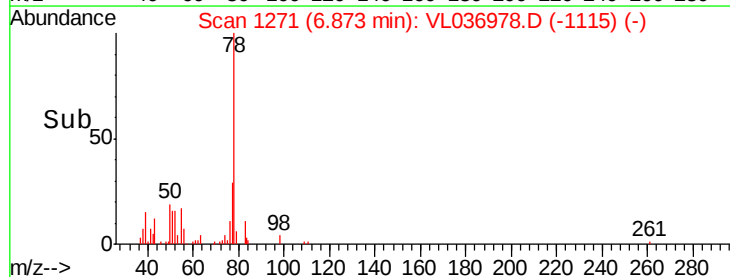
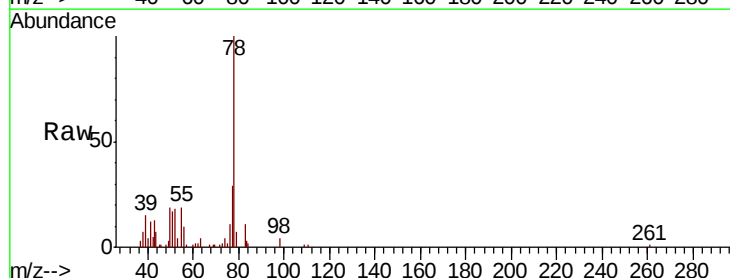
Tgt Ion: 78 Resp: 21824

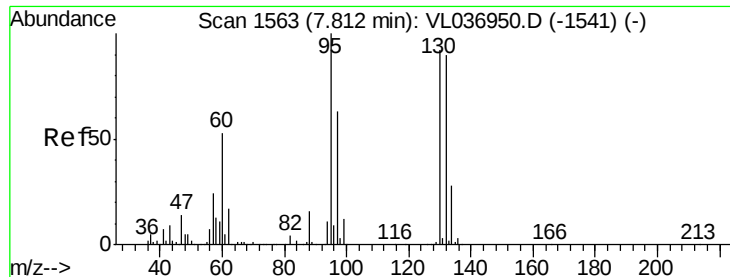
Ion Ratio Lower Upper

78 100

77 28.6 18.6 28.0#

50 18.0 15.0 22.4





#38

Trichloroethene

Concen: 2.750 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion:130 Resp: 375173

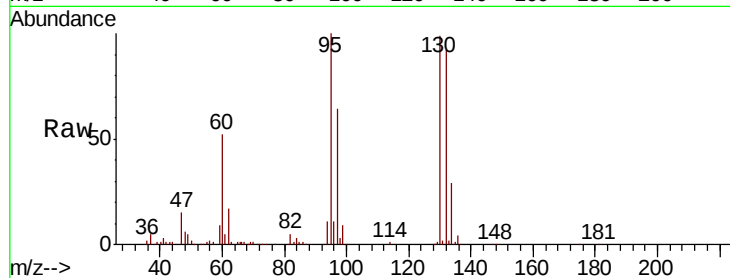
Ion Ratio Lower Upper

130 100

95 101.4 86.9 130.3

132 93.5 78.4 117.6

97 65.3 55.0 82.6

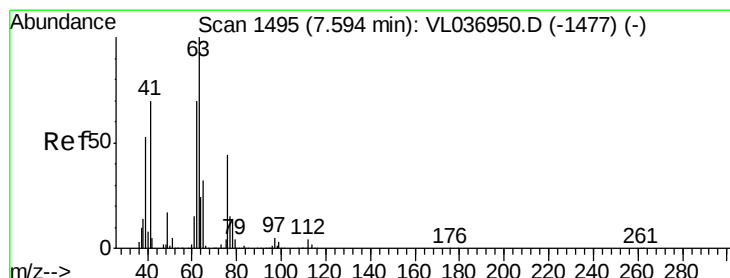
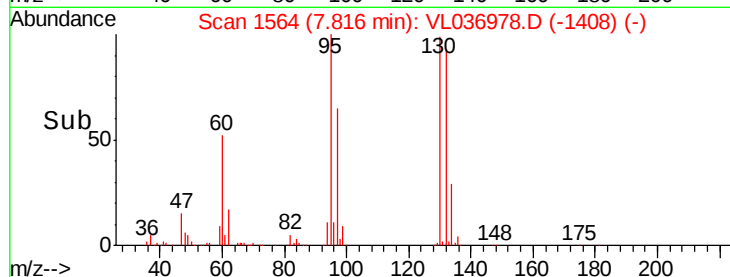
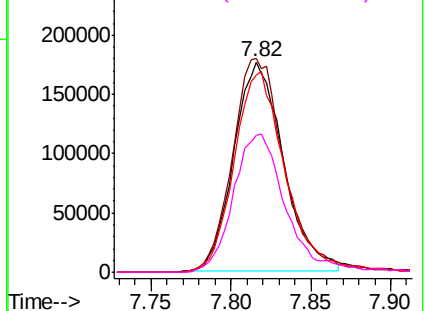


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.139 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.38 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

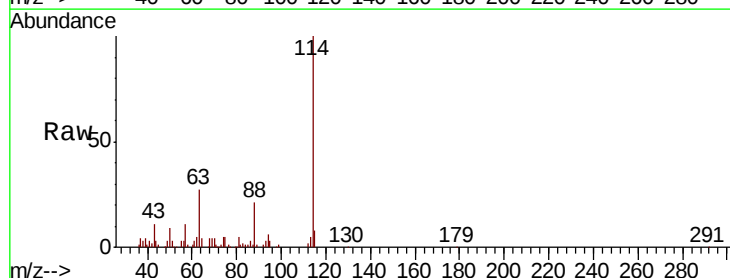
Tgt Ion: 63 Resp: 17045

Ion Ratio Lower Upper

63 100

41 6.2 55.7 83.5#

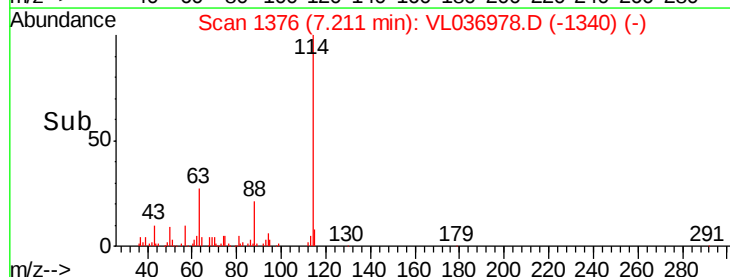
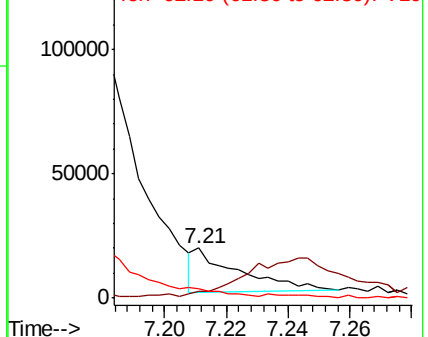
62 19.9 56.2 84.4#

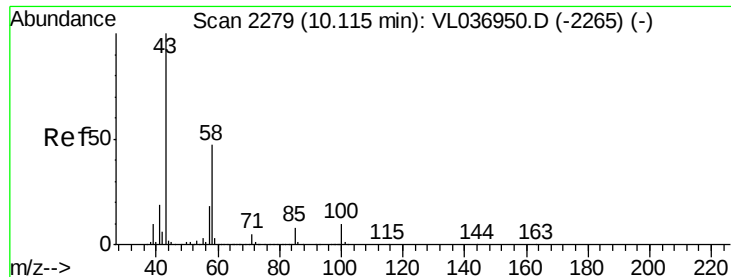


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

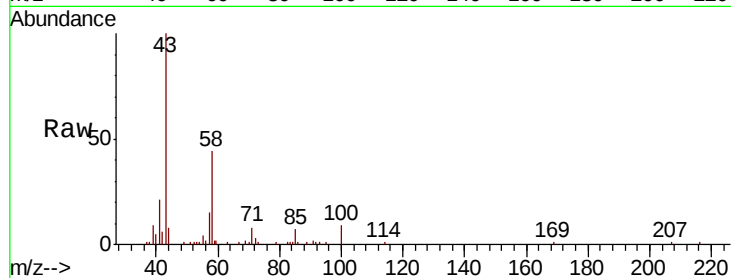




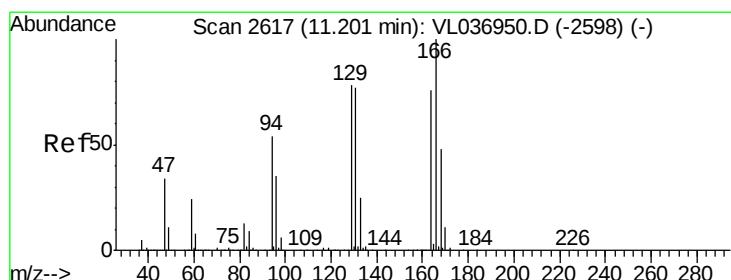
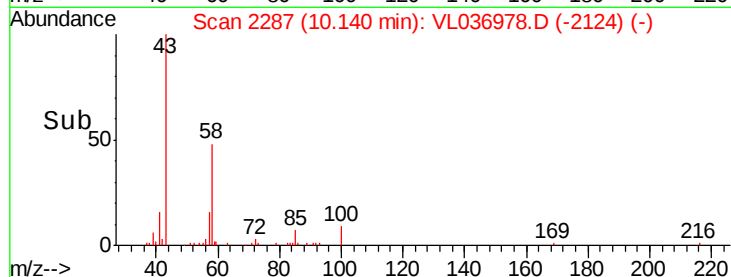
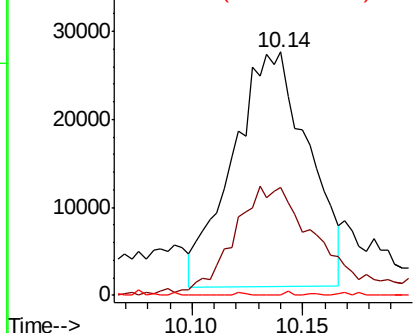
#51
2-Hexanone
Concen: 0.539 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL036978.D
Acq: 18 May 2021 20:59

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 43 Resp: 63382
Ion Ratio Lower Upper
43 100
58 57.1 41.1 61.7
98 0.2 0.1 0.1#

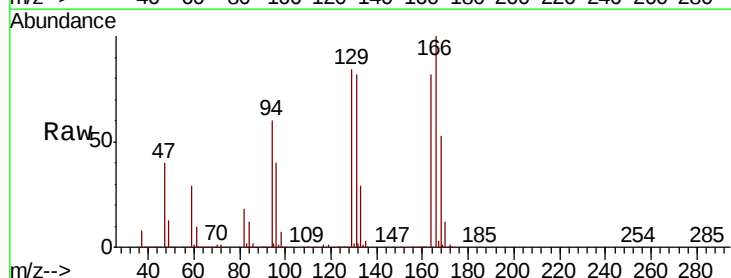


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

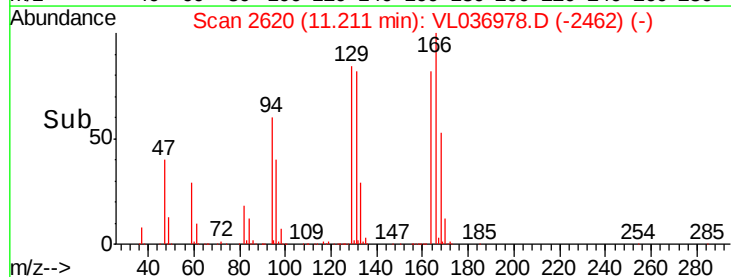
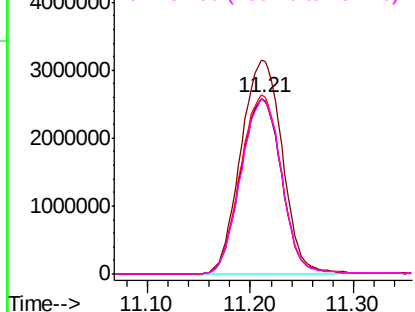


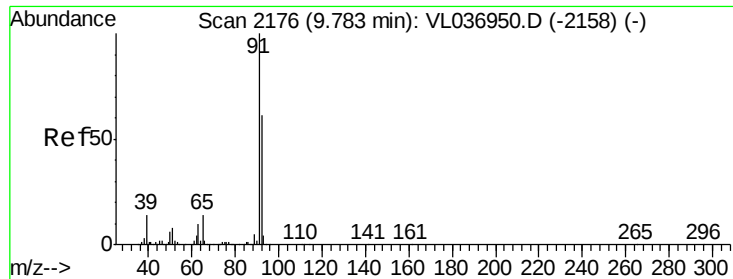
#52
Tetrachloroethene
Concen: 55.991 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036978.D
Acq: 18 May 2021 20:59

Tgt Ion: 164 Resp: 7100771
Ion Ratio Lower Upper
164 100
166 121.3 105.5 158.3
129 102.1 81.8 122.8
131 99.3 81.2 121.8



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: 0.769 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampled :

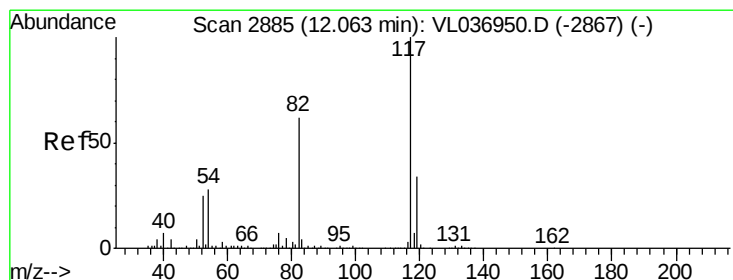
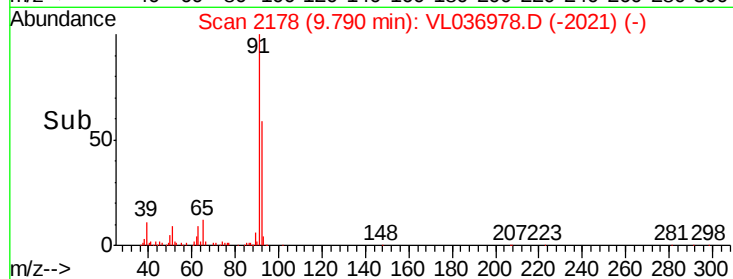
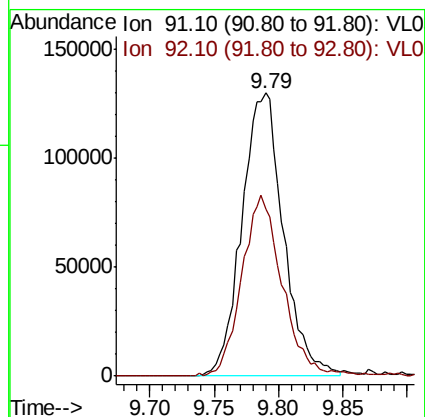
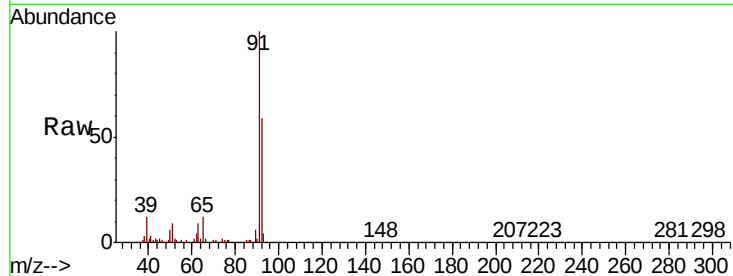
SV1

Tot Ion: 91 Resp: 291776

Ion Ratio Lower Upper

91 100

92 62.3 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

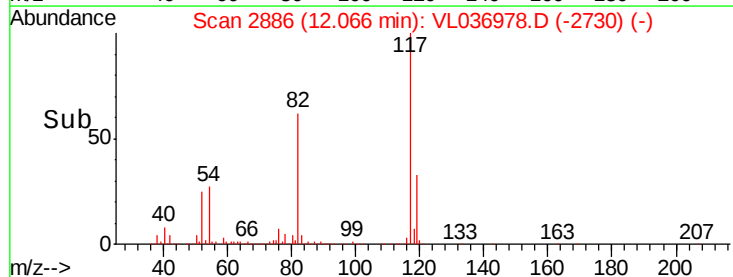
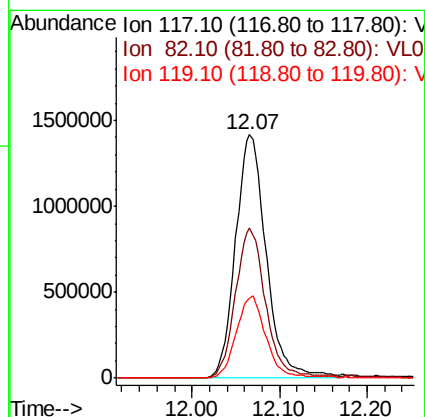
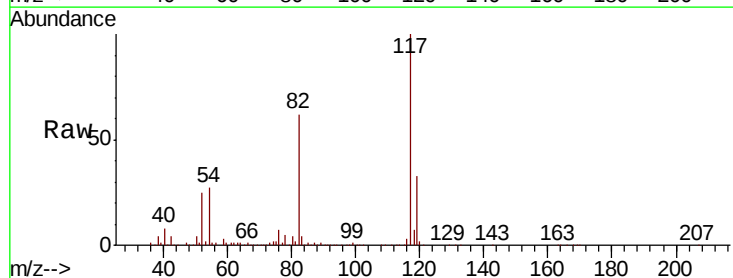
Tgt Ion: 117 Resp: 3456358

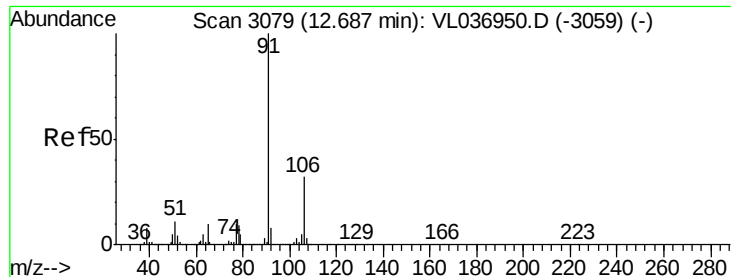
Ion Ratio Lower Upper

117 100

82 62.4 52.6 79.0

119 33.1 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.292 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

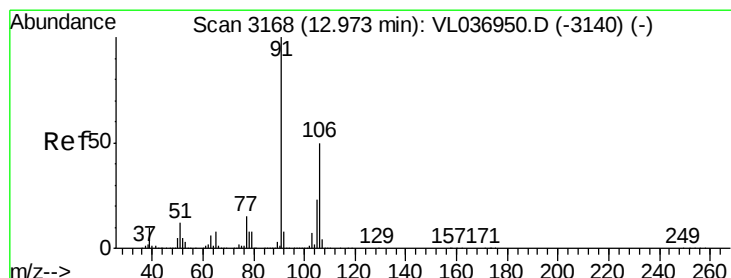
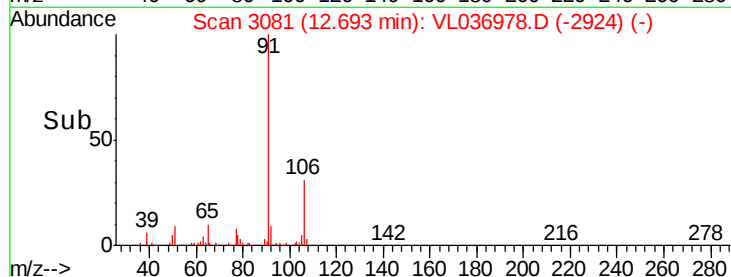
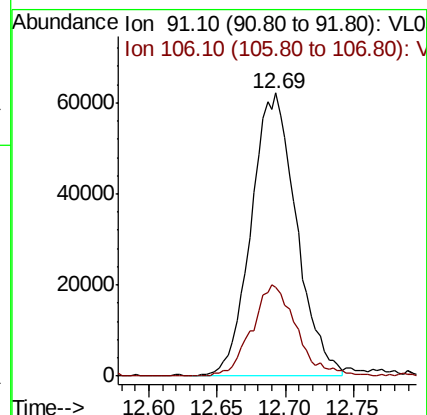
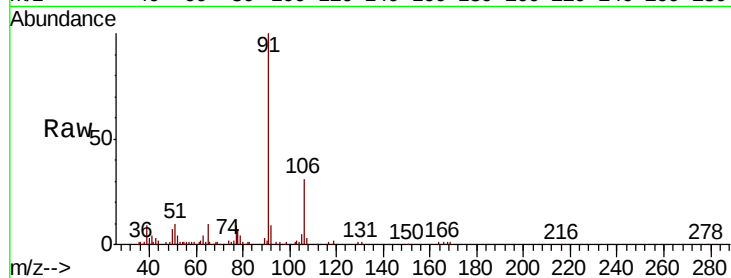
SV1

Tot Ion: 91 Resp: 142666

Ion Ratio Lower Upper

91 100

106 31.6 25.6 38.4



#59

m/p-Xylene

Concen: 1.021 ppbv

RT: 12.94 min Scan# 3159

Delta R.T. -0.03 min

Lab File: VL036978.D

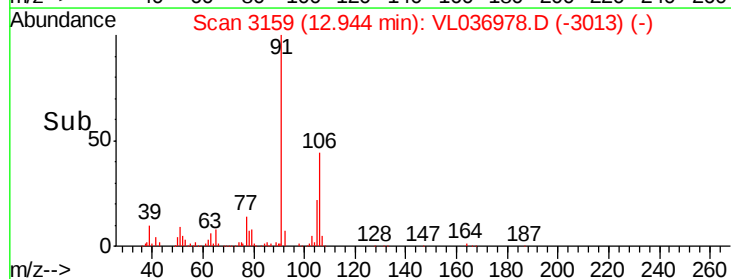
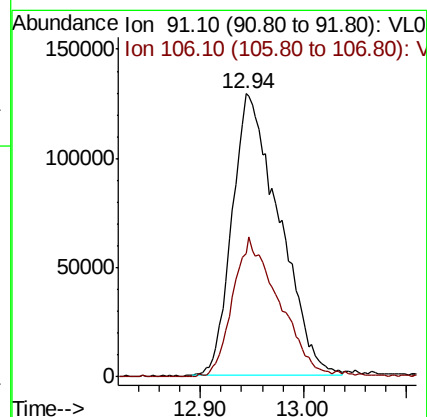
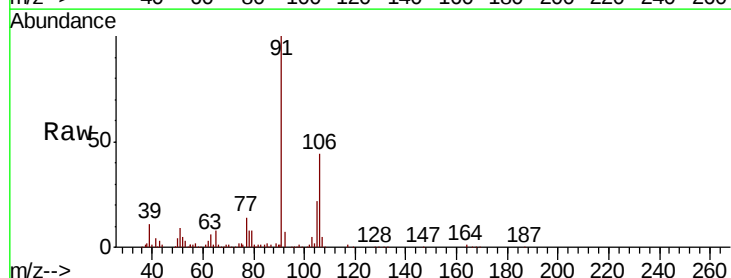
Acq: 18 May 2021 20:59

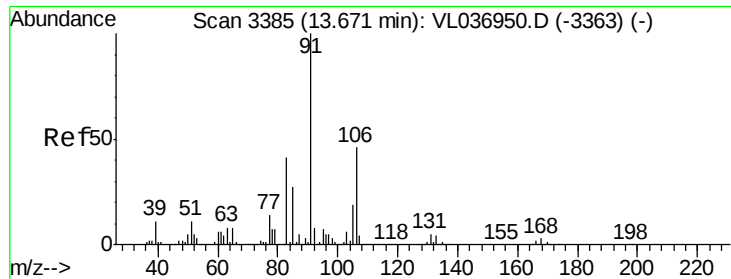
Tgt Ion: 91 Resp: 411658

Ion Ratio Lower Upper

91 100

106 49.2 37.4 56.2





#60

o-Xylene

Concen: 0.491 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampled :

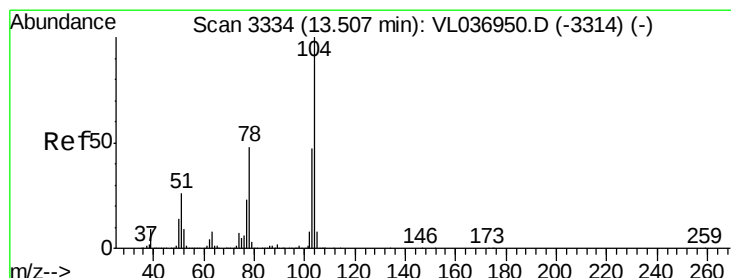
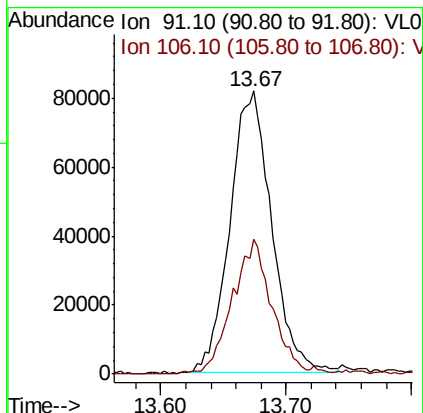
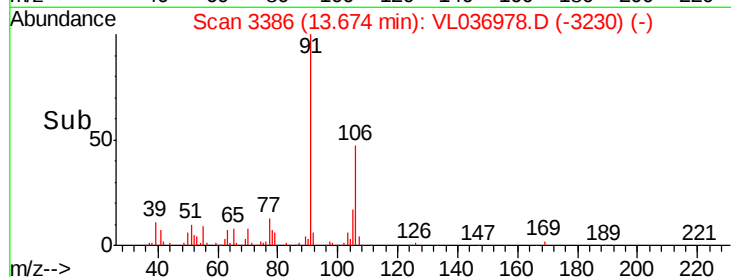
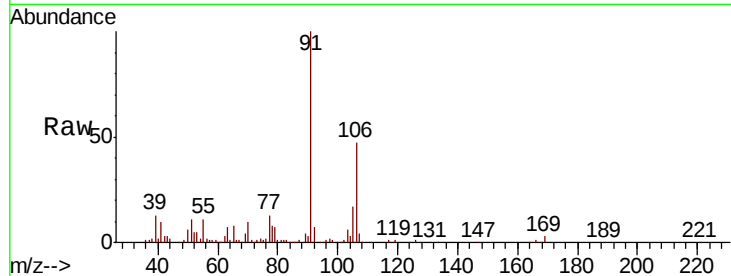
SV1

Tot Ion: 91 Resp: 188966

Ion Ratio Lower Upper

91 100

106 45.9 23.4 70.3



#61

Styrene

Concen: 0.139 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

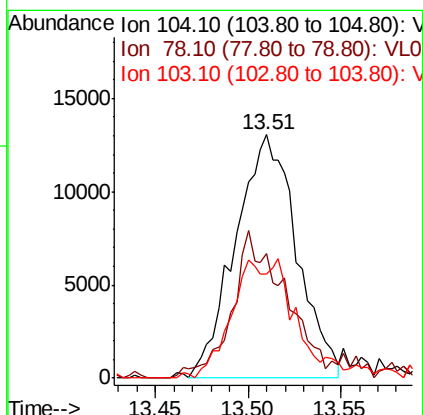
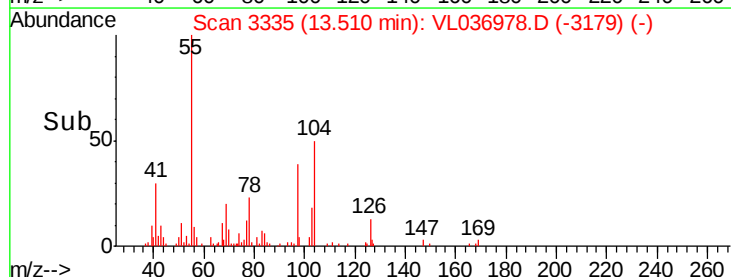
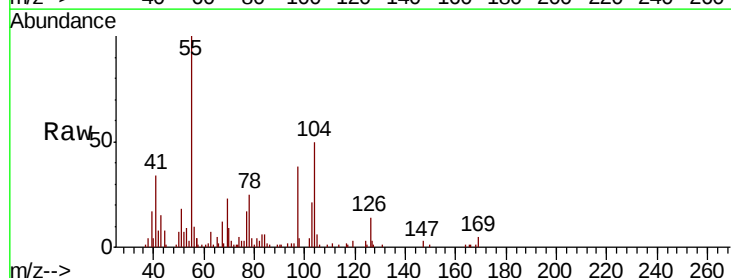
Tgt Ion: 104 Resp: 30135

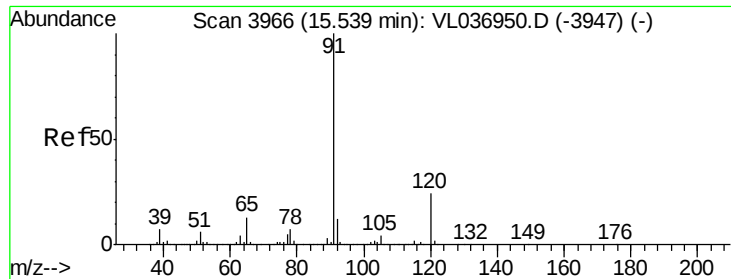
Ion Ratio Lower Upper

104 100

78 58.1 39.0 58.6

103 54.2 38.0 57.0





#64

n-propylbenzene

Concen: 0.065 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

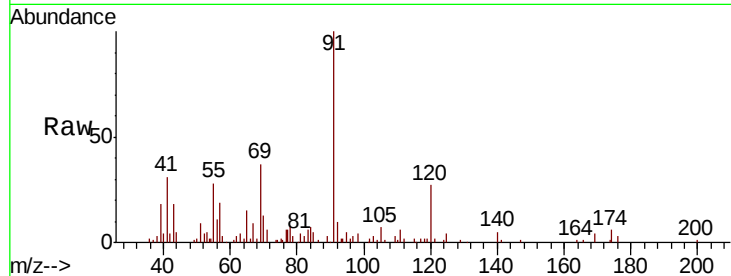
SV1

Tot Ion:120 Resp: 9281

Ion Ratio Lower Upper

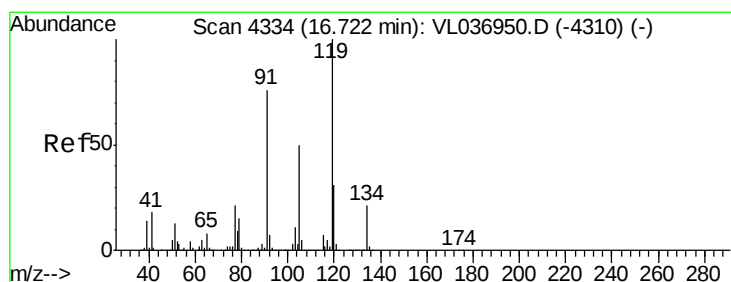
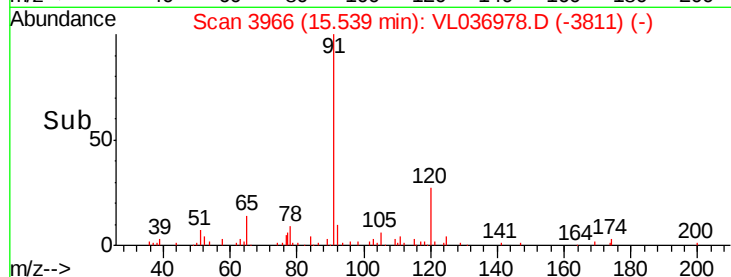
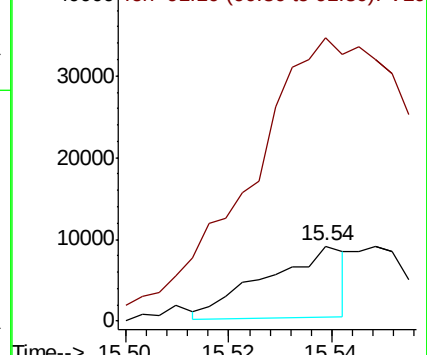
120 100

91 917.9 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.036 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.02 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

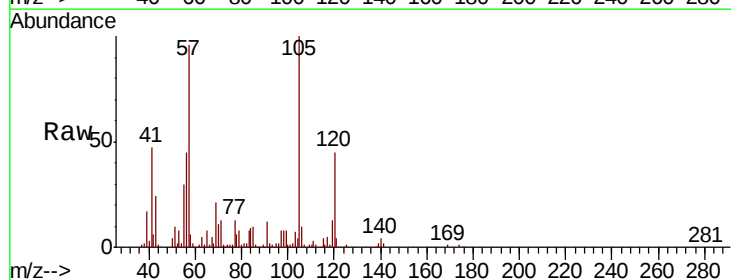
Tgt Ion:119 Resp: 17852

Ion Ratio Lower Upper

119 100

91 222.4 61.9 92.9#

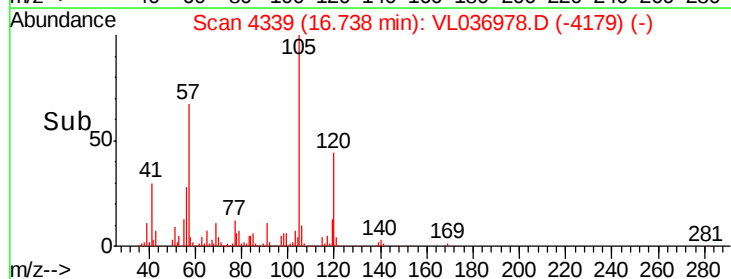
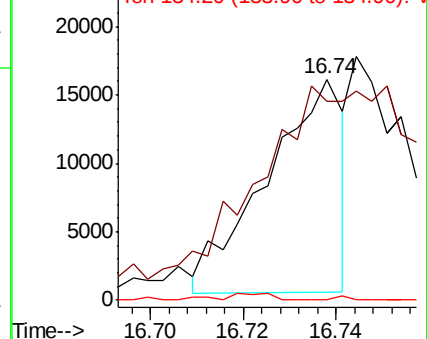
134 0.0 16.2 24.4#

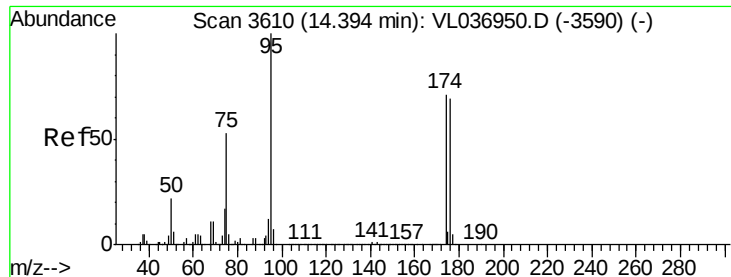


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

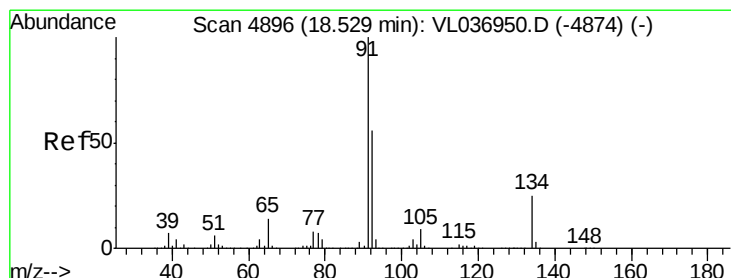
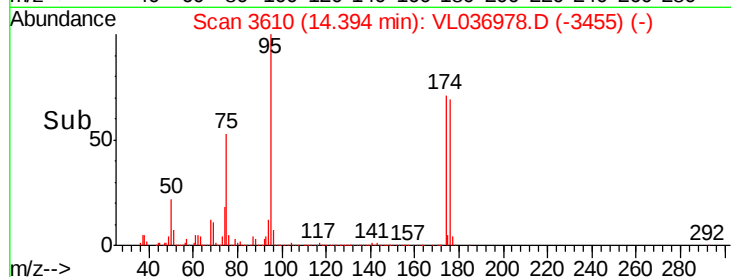
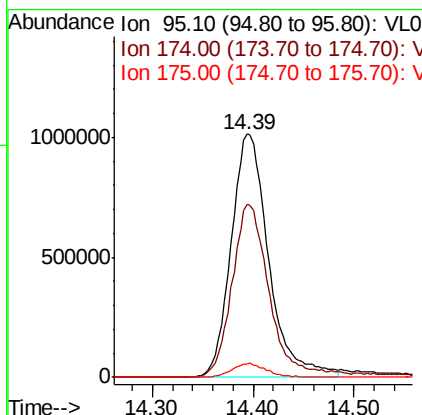
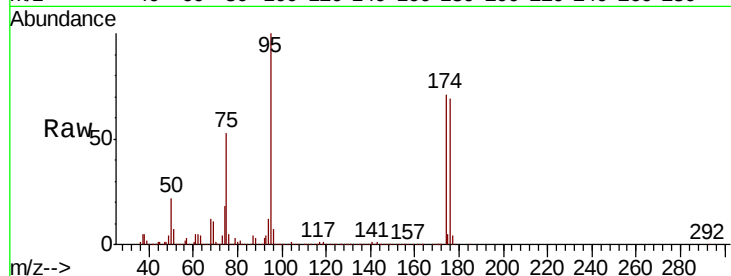




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.104 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL036978.D
 Acq: 18 May 2021 20:59

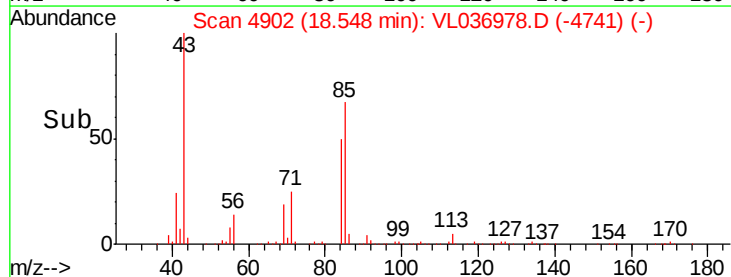
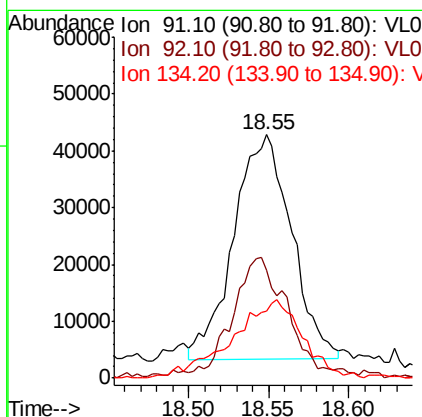
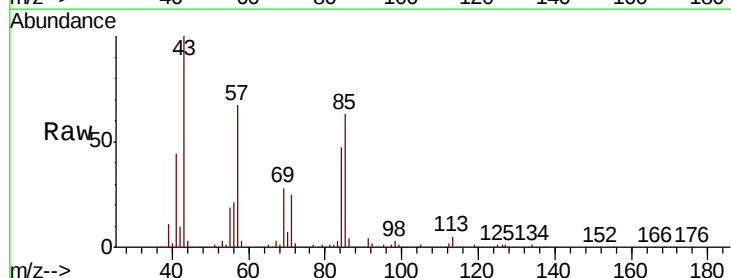
Instrument :
 MSVOA_L
 ClientSampled :
 SV1

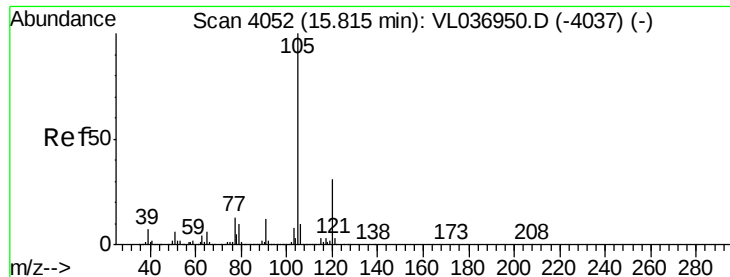
Tot Ion: 95 Resp: 2623411
 Ion Ratio Lower Upper
 95 100
 174 73.6 58.4 87.6
 175 5.4 4.4 6.6



#70
 n-Butylbenzene
 Concen: 0.177 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL036978.D
 Acq: 18 May 2021 20:59

Tgt Ion: 91 Resp: 98207
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.6 66.8
 134 42.8 20.2 30.2#





#72

4-Ethyltoluene

Concen: 0.202 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion:105 Resp: 92178

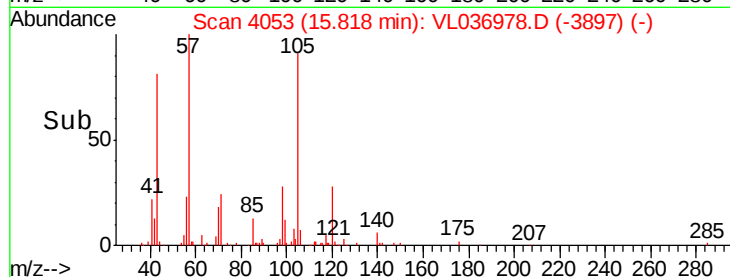
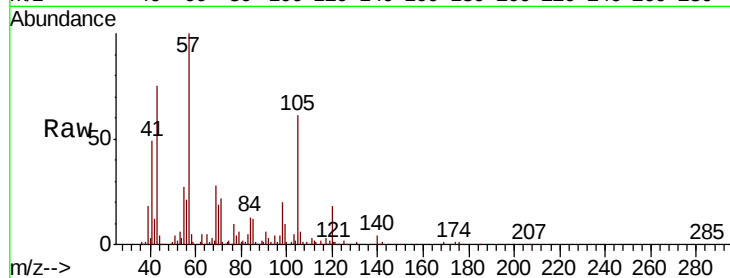
Ion Ratio Lower Upper

105 100

120 32.9 24.6 37.0

91 15.1 9.8 14.6#

77 17.5 10.4 15.6#

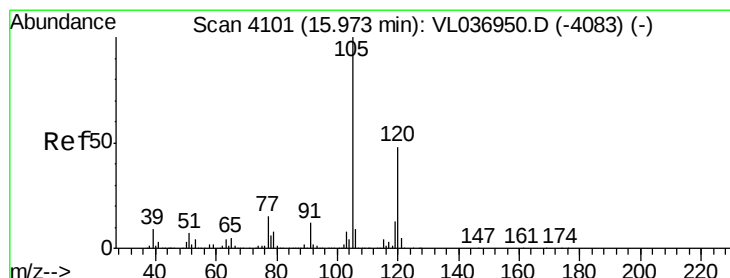
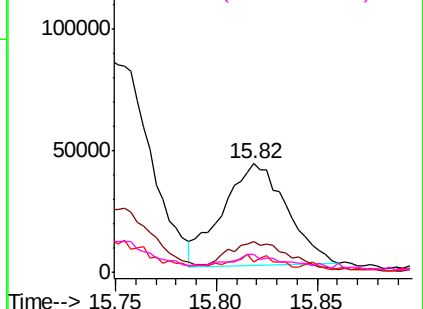


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.194 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL036978.D

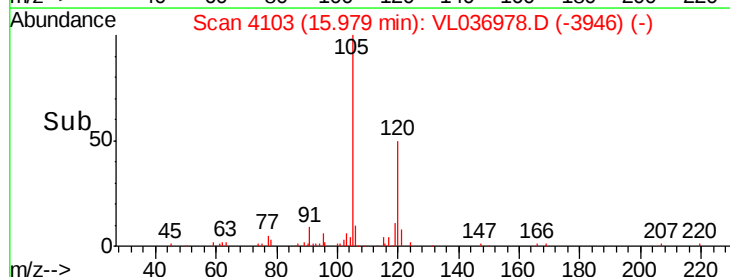
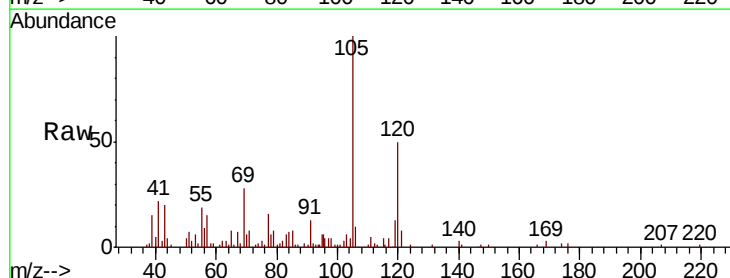
Acq: 18 May 2021 20:59

Tgt Ion:105 Resp: 83289

Ion Ratio Lower Upper

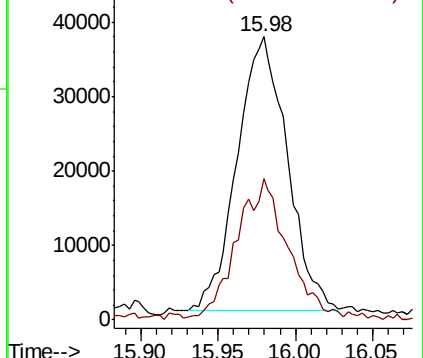
105 100

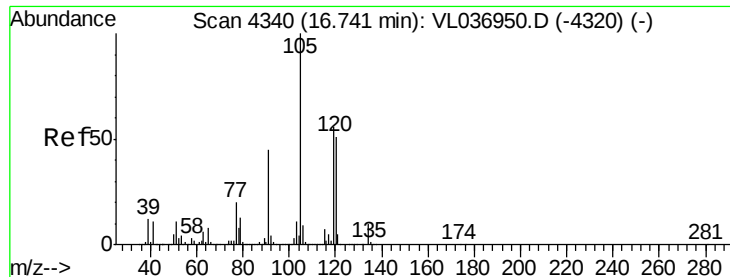
120 50.1 38.6 58.0



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: 0.717 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL036978.D

Acq: 18 May 2021 20:59

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion:105 Resp: 317877

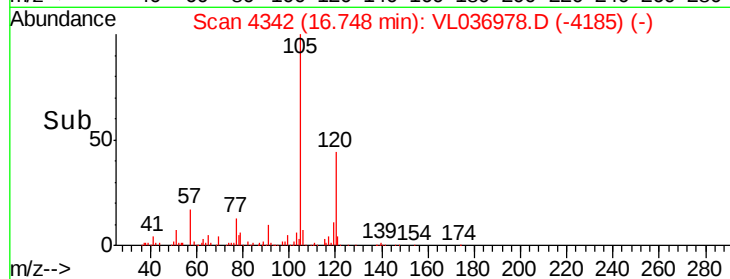
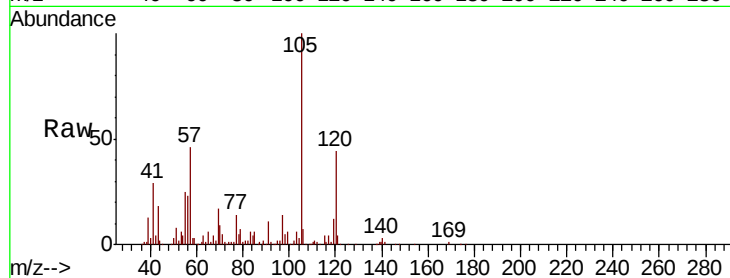
Ion Ratio Lower Upper

105 100

120 44.0 40.6 61.0

91 9.6 37.4 56.0#

77 12.2 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

