

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036750.D
 Acq On : 8 Apr 2021 14:42
 Operator : SY/AP
 Sample : M1981-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Quant Time: Apr 09 08:38:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1242844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2952369	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2616003	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2009148	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	10425	0.051	ppbv	97
3) Chlorodifluoromethane	2.98	51	3008012	12.954	ppbv #	60
4) Chloromethane	3.14	50	45299	0.552	ppbv	98
7) Chloroethane	3.56	64	1787	0.062	ppbv #	78
9) Propene	3.00	41	631455	8.530	ppbv	89
10) Heptane	8.11	43	11831	0.063	ppbv #	4
11) Trichlorofluoromethane	3.94	101	8137	0.039	ppbv #	66
13) Ethanol	3.60	45	32153	3.647	ppbv #	39
14) Bromoethene	3.74	108	5217	0.095	ppbv #	5
15) Acetone	3.84	43	10015496	81.876	ppbv	95
16) 1,3-Butadiene	3.30	39	1093947	12.845	ppbv #	20
17) tert-Butyl alcohol	4.29	59	36473	0.343	ppbv #	72
19) Isopropyl Alcohol	3.98	45	109667	1.630	ppbv #	1
20) Methylene Chloride	4.34	84	912296	15.929	ppbv	93
23) Vinyl Acetate	5.06	43	13908	0.066	ppbv #	1
25) Ethyl Acetate	5.68	43	587475	2.020	ppbv #	82
26) Hexane	5.68	57	784143	5.810	ppbv #	48
27) Carbon Disulfide	4.55	76	114389	0.860	ppbv #	88
30) Cyclohexane	7.12	84	4063	0.037	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	6091	0.047	ppbv #	84
34) 2-Butanone	5.24	43	775304	5.380	ppbv	98
36) Benzene	6.89	78	358011	1.315	ppbv	98
39) 1,2-Dichloropropane	7.17	63	779475	7.057	ppbv #	24
41) Tetrahydrofuran	5.68	42	318824	4.798	ppbv #	55
44) 2,2,4-Trimethylpentane	7.87	57	41533	0.087	ppbv #	12
50) 4-Methyl-2-Pentanone	8.75	43	155684	0.747	ppbv	100
51) 2-Hexanone	10.14	43	9323	0.089	ppbv #	1
53) Toluene	9.80	91	233693	0.806	ppbv	98
57) Chlorobenzene	12.14	112	9752	0.044	ppbv #	79
58) Ethyl Benzene	12.71	91	52686	0.138	ppbv	90
59) m/p-Xylene	12.97	91	53896	0.162	ppbv #	28
60) o-Xylene	13.69	91	28118	0.088	ppbv #	31
66) Benzyl Chloride	16.99	91	2831	0.068	ppbv #	1
69) p-Isopropyltoluene	17.64	119	16953	0.041	ppbv #	51
73) 1,3,5-Trimethylbenzene	16.00	105	24016	0.073	ppbv	92
74) 1,2,4-Trimethylbenzene	16.76	105	35203	0.100	ppbv #	69
75) 1,3-Dichlorobenzene	16.99	146	8995	0.045	ppbv #	22
76) 1,4-Dichlorobenzene	17.14	146	6697	0.034	ppbv #	1

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

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SG-1

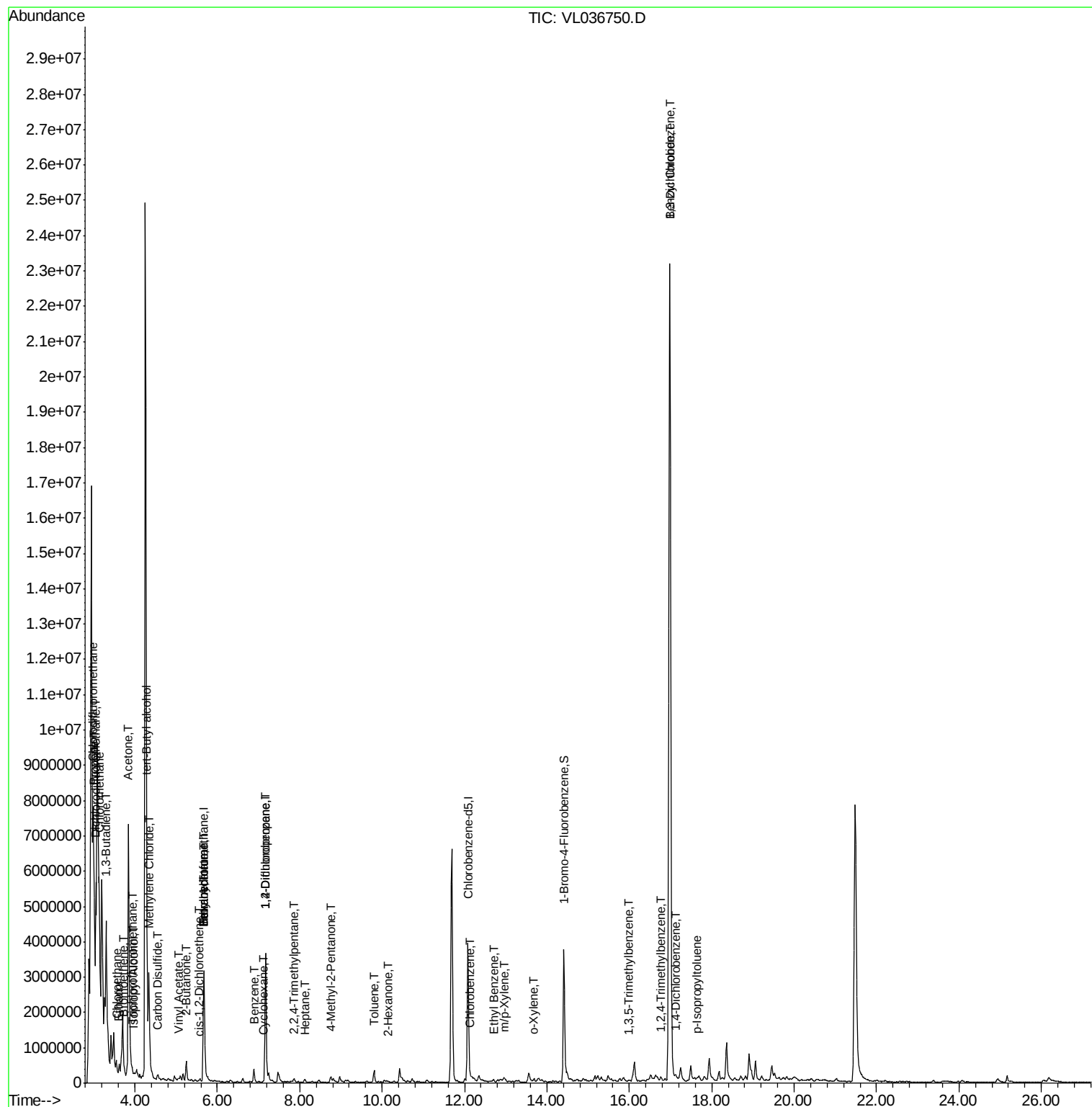
Quant Time: Apr 09 08:38:48 2021

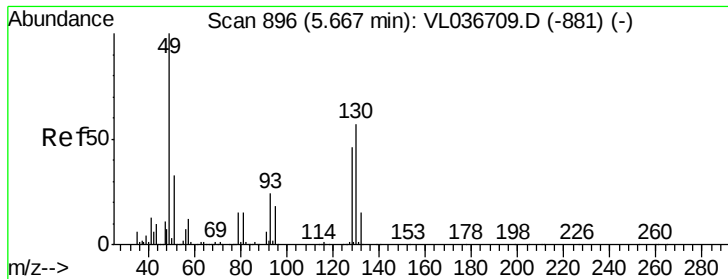
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

QLast Update : Thu Mar 25 09:42:40 2021

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SG-1

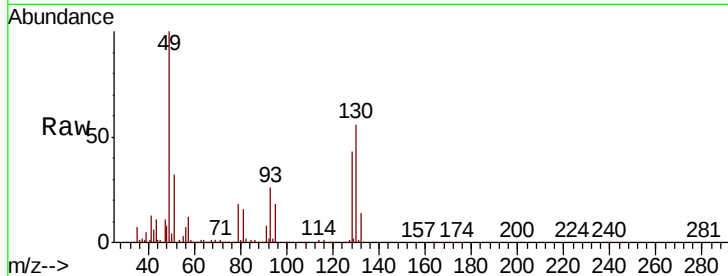
Tot Ion: 49 Resp: 1242844

Ion Ratio Lower Upper

49 100

128 46.0 23.5 70.6

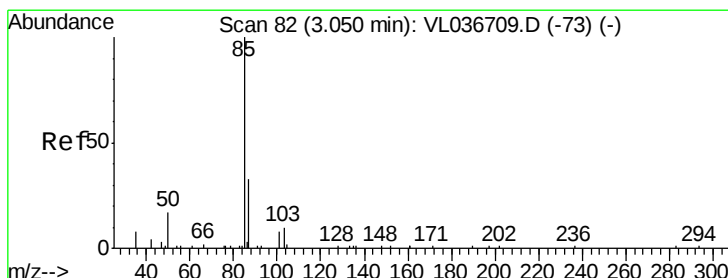
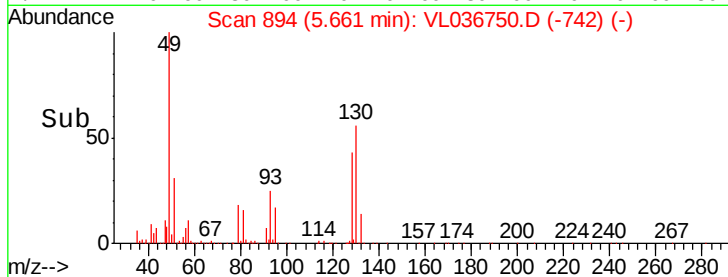
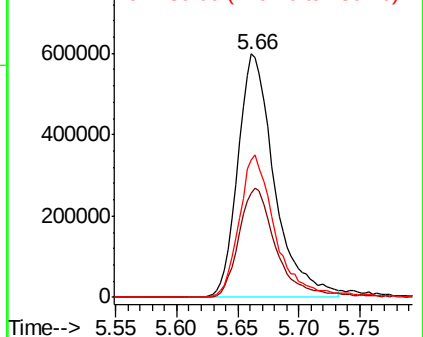
130 59.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.051 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036750.D

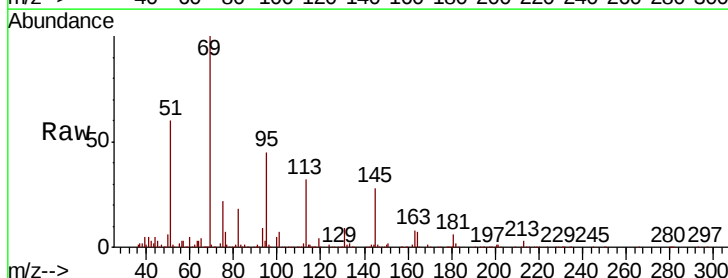
Acq: 8 Apr 2021 14:42

Tgt Ion: 85 Resp: 10425

Ion Ratio Lower Upper

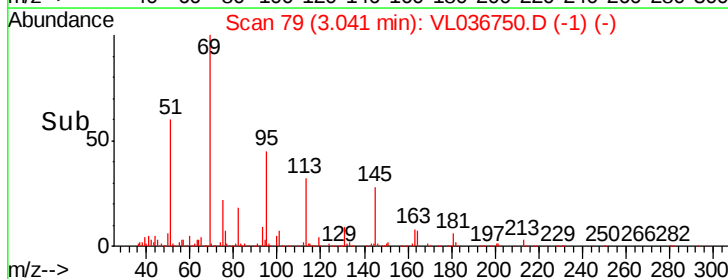
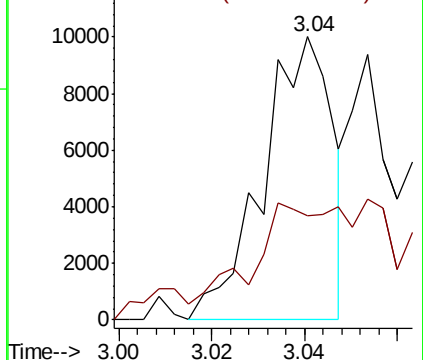
85 100

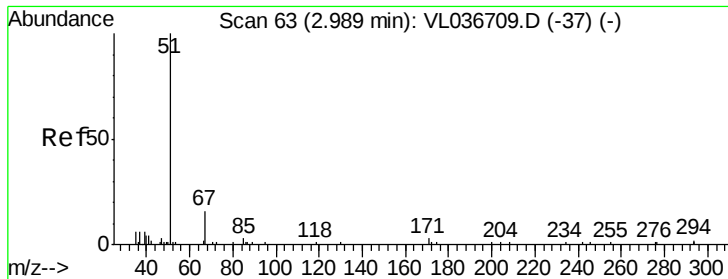
87 36.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.954 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

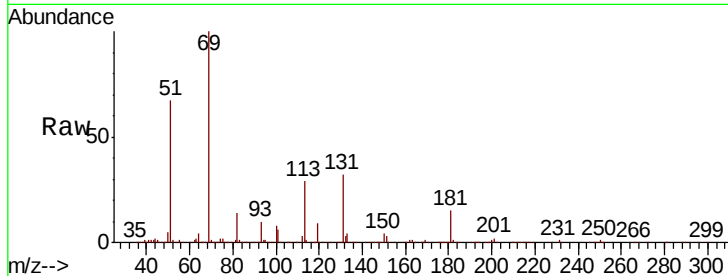
SG-1

Tot Ion: 51 Resp: 3008012

Ion Ratio Lower Upper

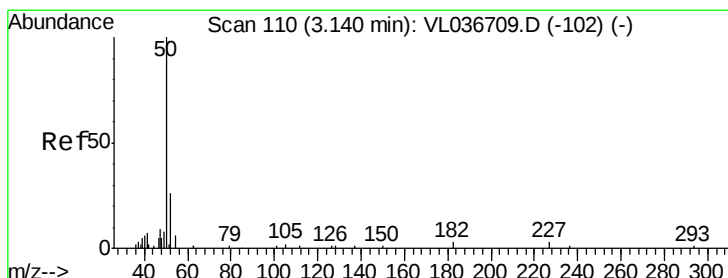
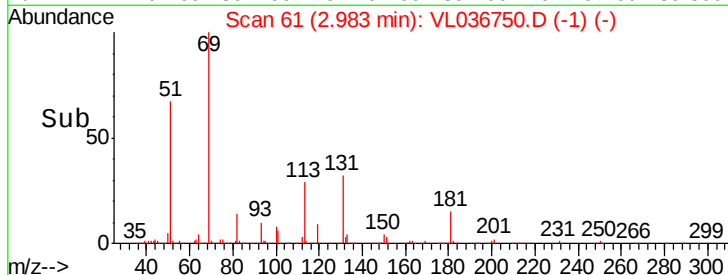
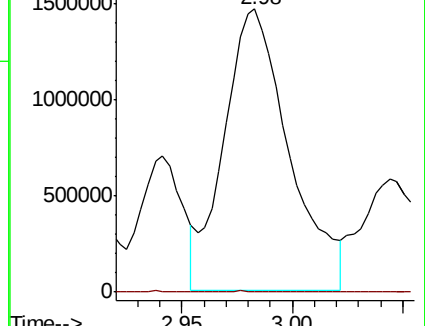
51 100

67 0.4 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.552 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036750.D

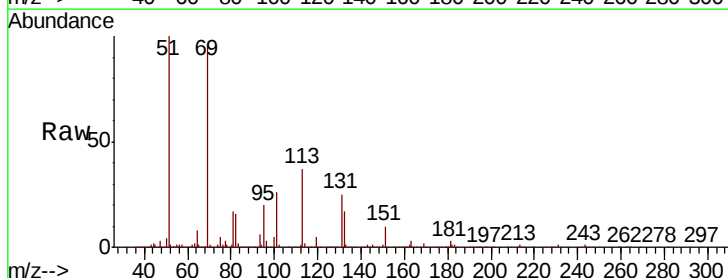
Acq: 8 Apr 2021 14:42

Tgt Ion: 50 Resp: 45299

Ion Ratio Lower Upper

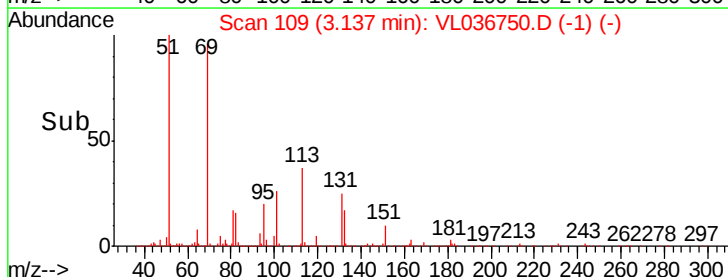
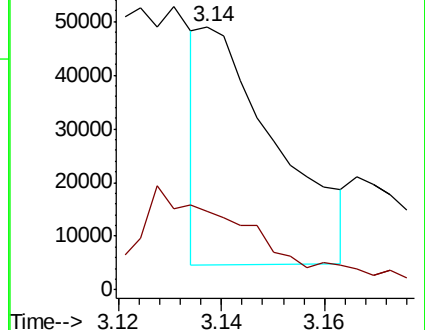
50 100

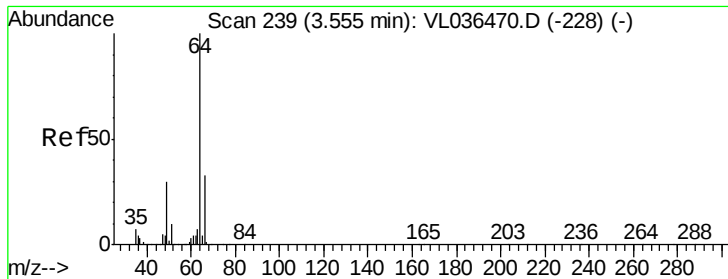
52 32.5 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.062 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

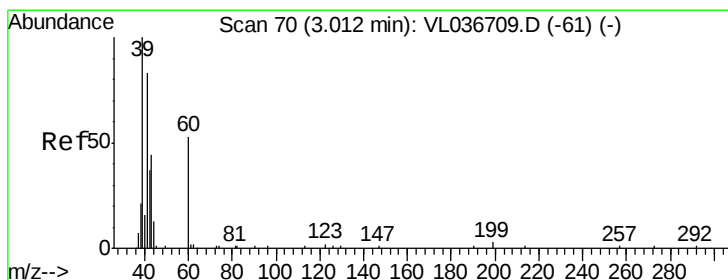
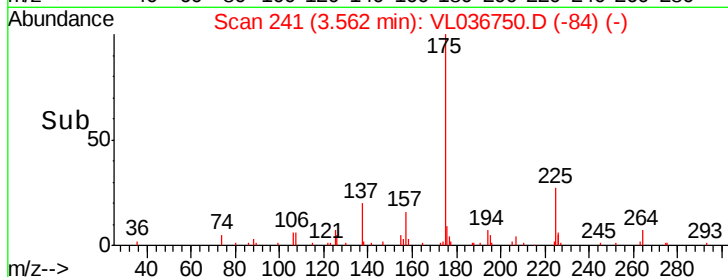
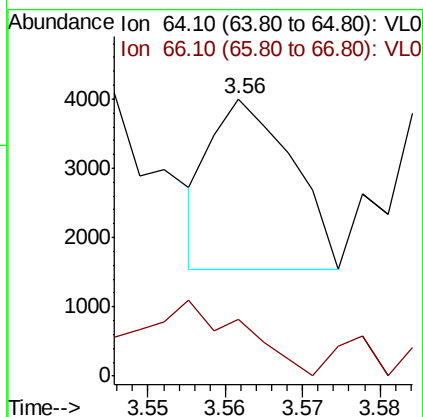
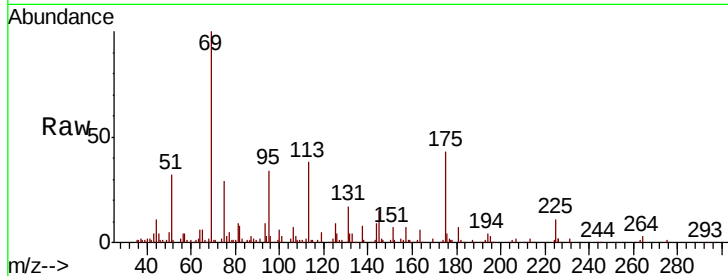
SG-1

Tot Ion: 64 Resp: 1787

Ion Ratio Lower Upper

64 100

66 20.3 26.2 39.2#



#9

Propene

Concen: 8.530 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036750.D

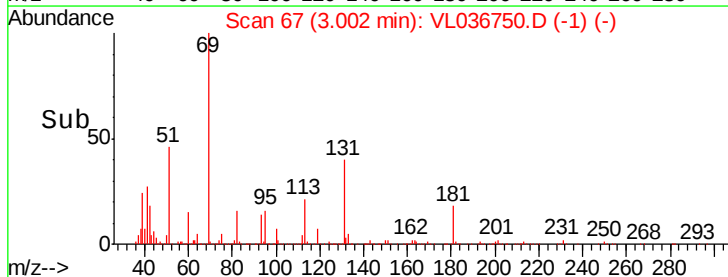
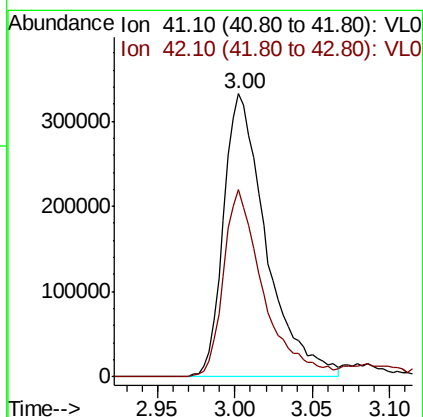
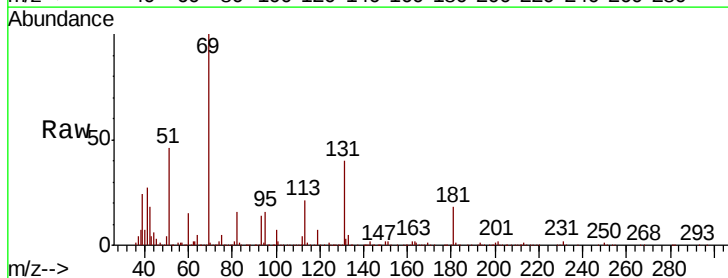
Acq: 8 Apr 2021 14:42

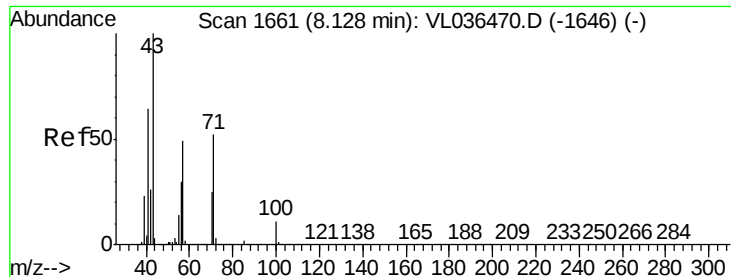
Tgt Ion: 41 Resp: 631455

Ion Ratio Lower Upper

41 100

42 62.2 57.0 85.4





#10

Heptane

Concen: 0.063 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

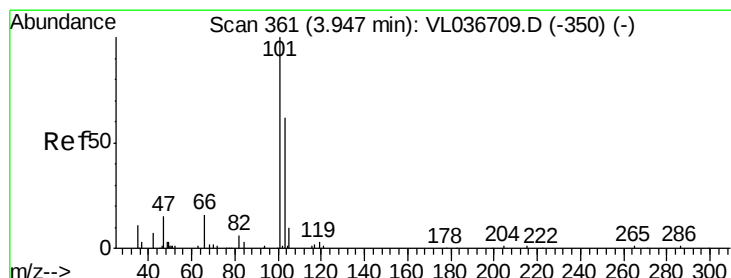
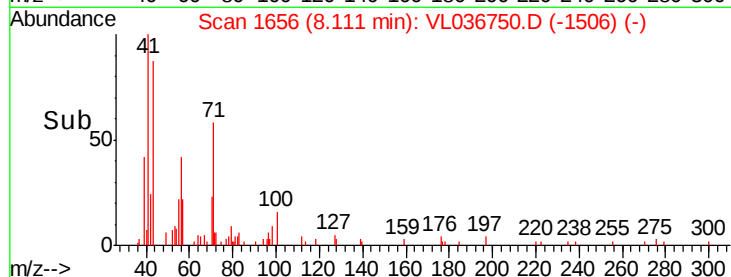
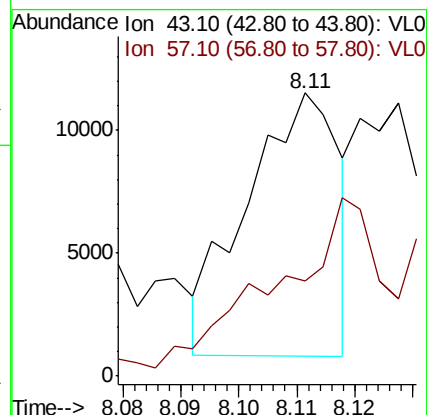
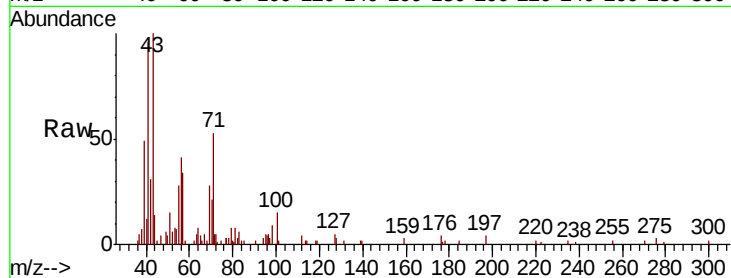
SG-1

Tot Ion: 43 Resp: 11831

Ion Ratio Lower Upper

43 100

57 114.3 39.0 58.6#



#11

Trichlorofluoromethane

Concen: 0.039 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL036750.D

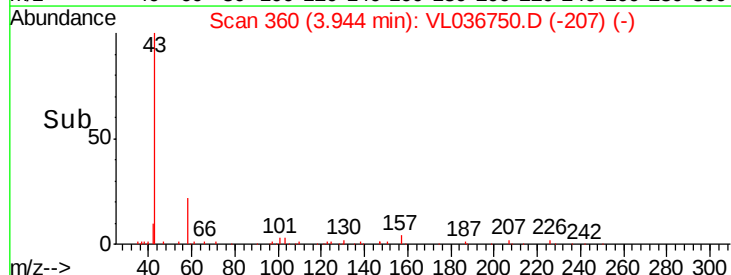
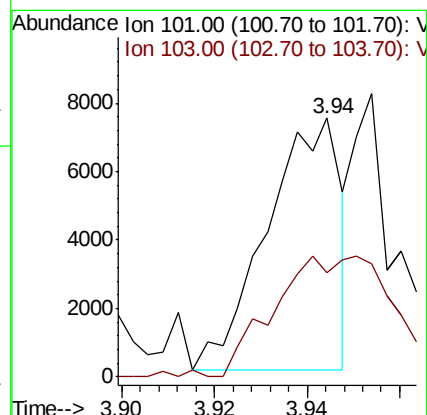
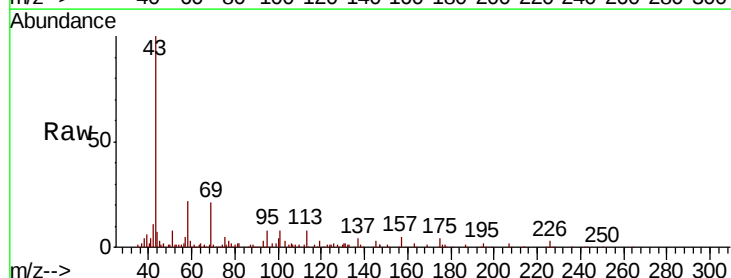
Acq: 8 Apr 2021 14:42

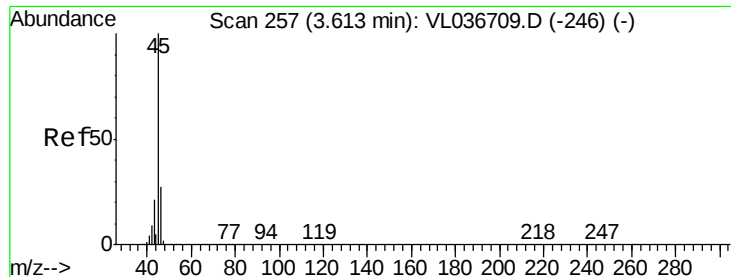
Tgt Ion: 101 Resp: 8137

Ion Ratio Lower Upper

101 100

103 38.4 52.5 78.7#





#13

Ethanol

Concen: 3.647 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

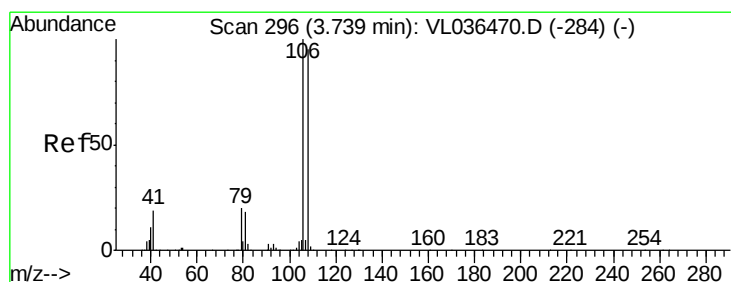
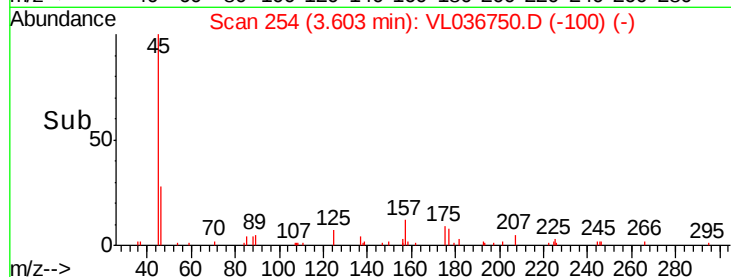
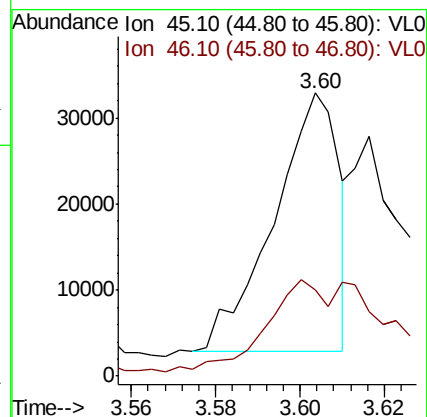
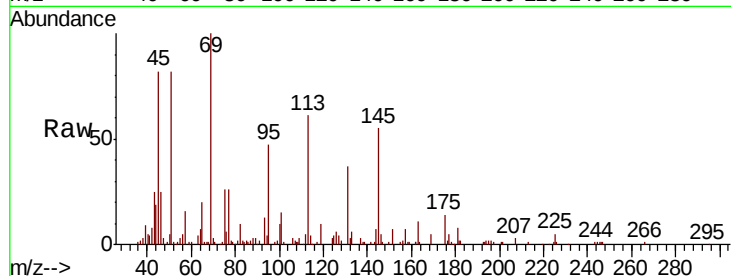
SG-1

Tot Ion: 45 Resp: 32153

Ion Ratio Lower Upper

45 100

46 79.5 16.6 66.2#



#14

Bromoethene

Concen: 0.095 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

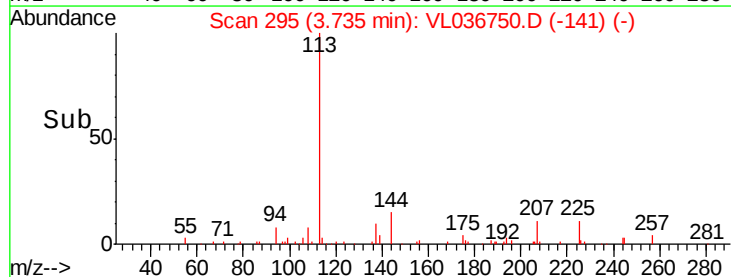
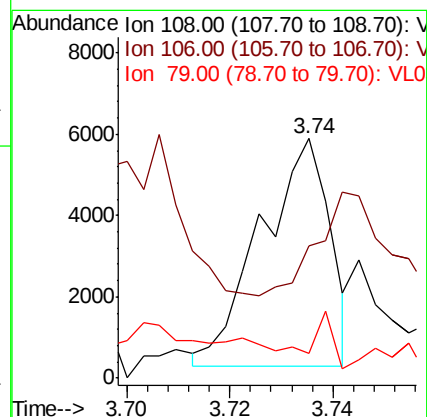
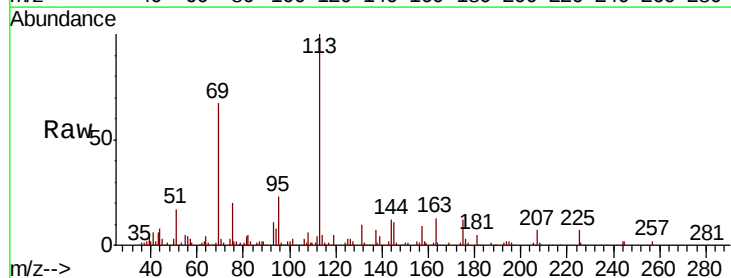
Tgt Ion: 108 Resp: 5217

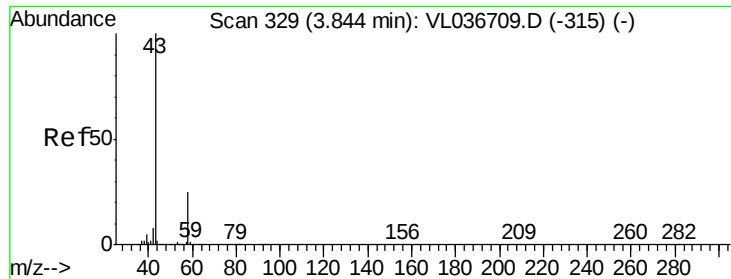
Ion Ratio Lower Upper

108 100

106 0.0 89.0 133.6#

79 0.0 16.6 25.0#





#15

Acetone

Concen: 81.876 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

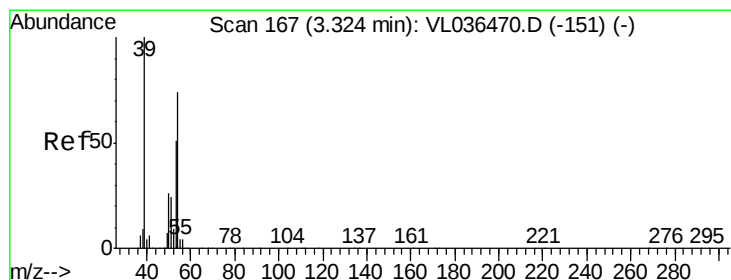
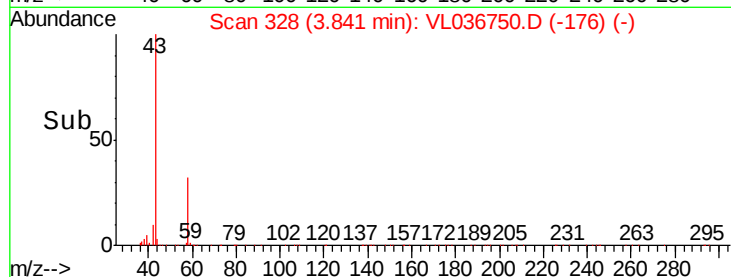
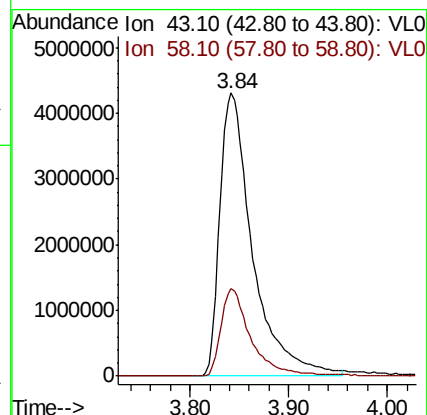
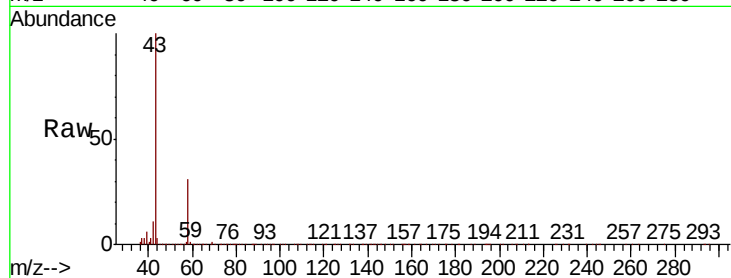
SG-1

Tot Ion: 43 Resp:10015496

Ion Ratio Lower Upper

43 100

58 29.1 21.2 31.8



#16

1,3-Butadiene

Concen: 12.845 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL036750.D

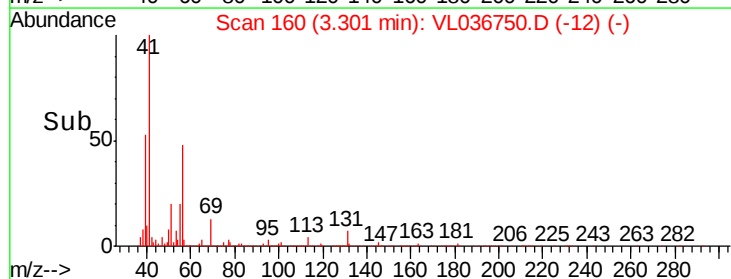
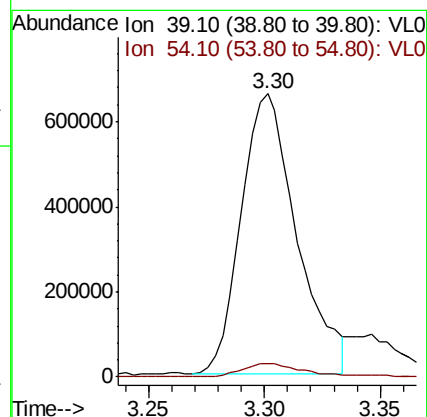
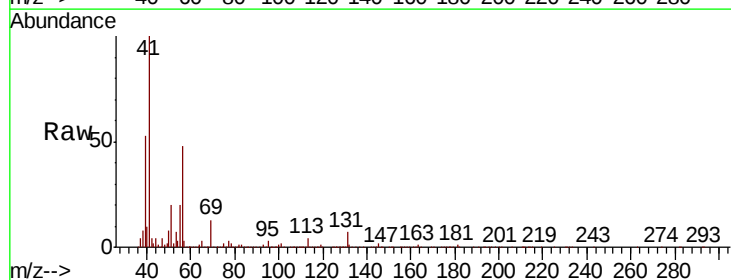
Acq: 8 Apr 2021 14:42

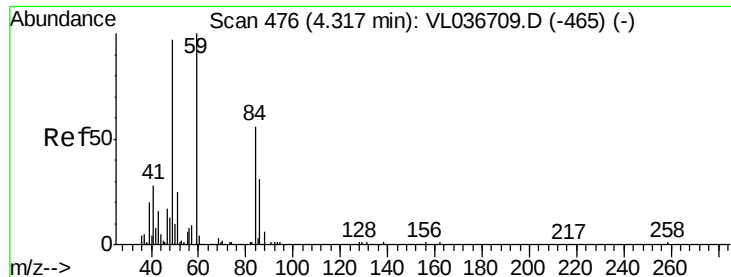
Tgt Ion: 39 Resp: 1093947

Ion Ratio Lower Upper

39 100

54 5.9 58.8 88.2#



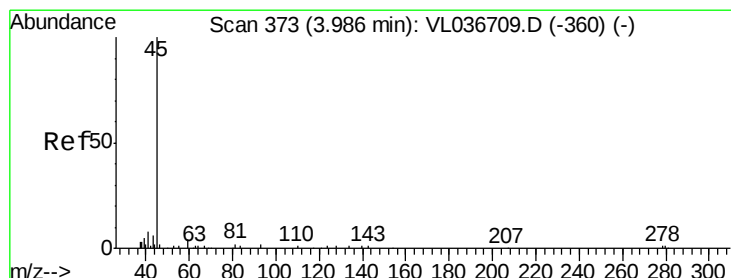
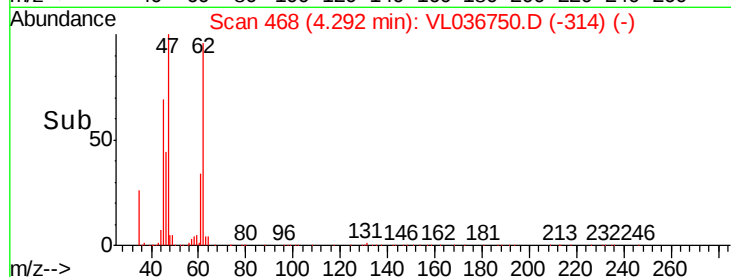
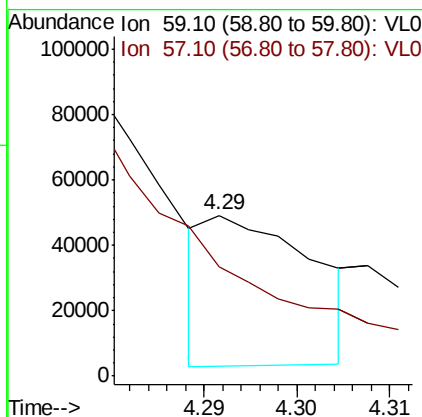
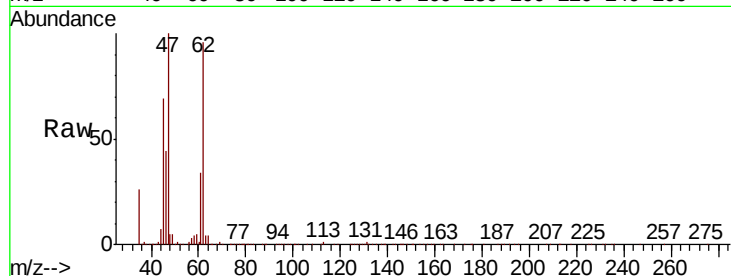


#17

tert-Butyl alcohol
 Concen: 0.343 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-1

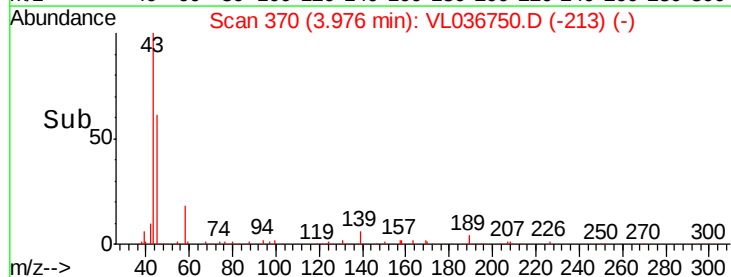
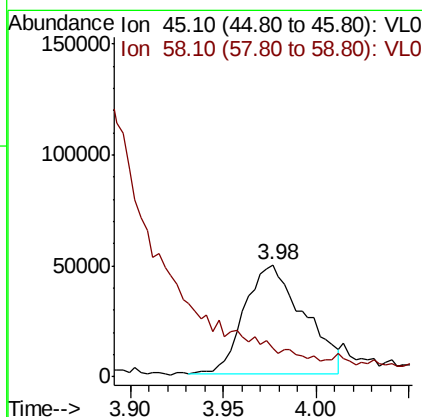
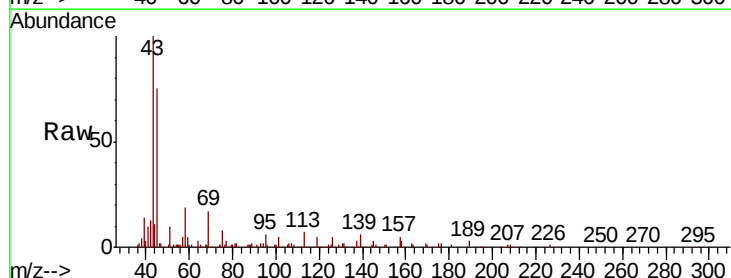
Tot Ion: 59 Resp: 36473
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

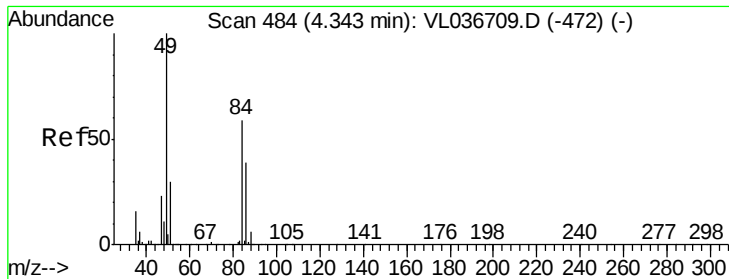


#19

Isopropyl Alcohol
 Concen: 1.630 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Tgt Ion: 45 Resp: 109667
 Ion Ratio Lower Upper
 45 100
 58 2652.4 2.9 4.3#

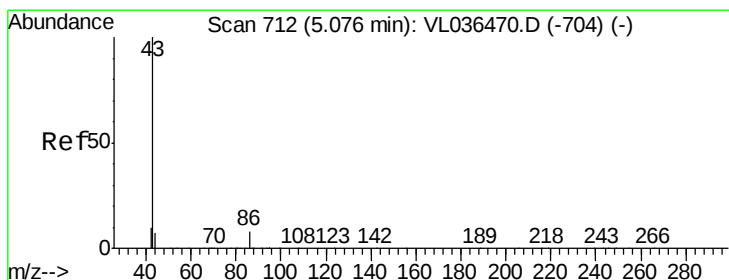
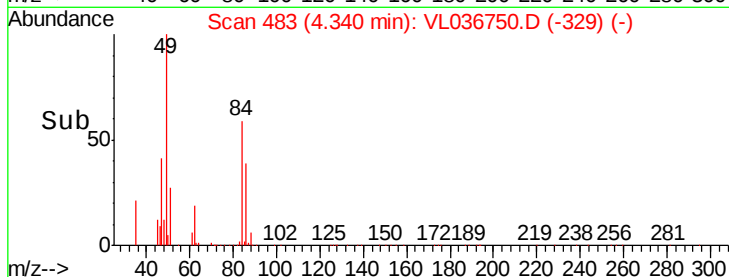
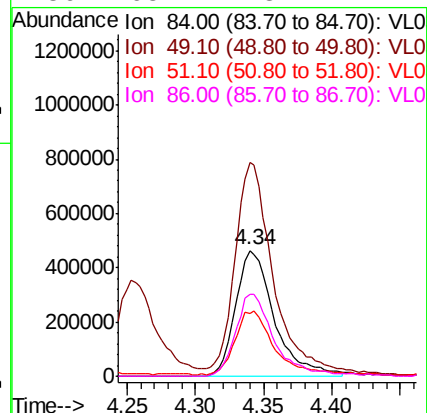
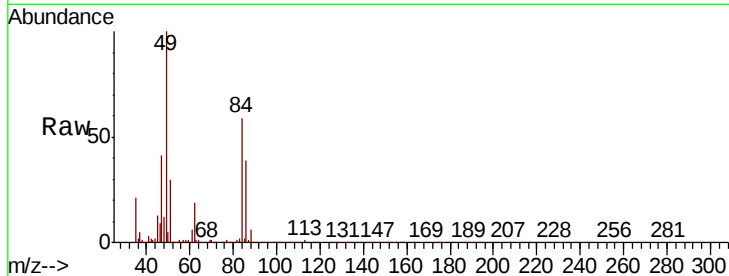




#20
Methvlene Chloride
Concen: 15.929 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

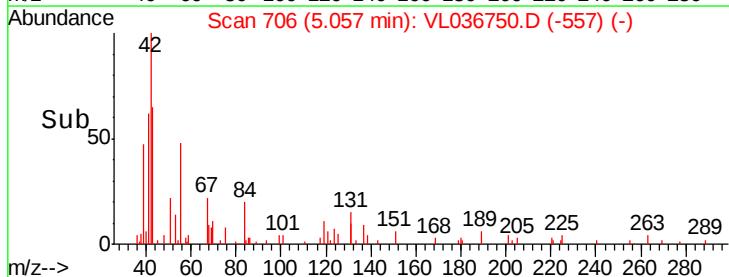
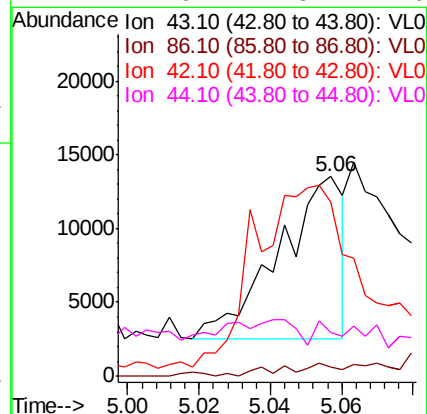
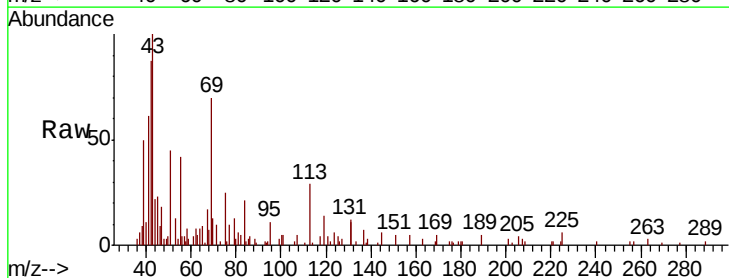
Instrument :
MSVOA_L
ClientSampled :
SG-1

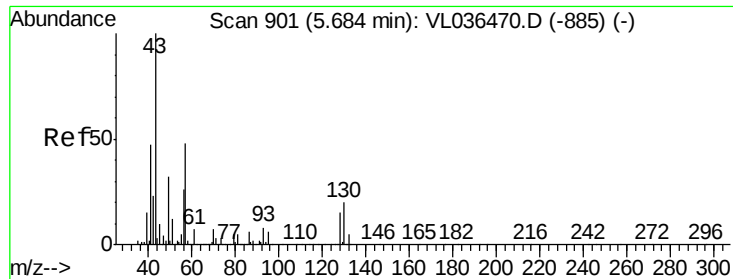
Tot Ion:	84	Resp:	912296
Ion	Ratio	Lower	Upper
84	100		
49	163.1	122.9	184.3
51	48.6	36.9	55.3
86	65.4	48.2	72.4



#23
Vinyl Acetate
Concen: 0.066 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion:	43	Resp:	13908
Ion	Ratio	Lower	Upper
43	100		
86	3.0	5.4	8.0#
42	100.9	8.5	12.7#
44	1.9	4.6	7.0#

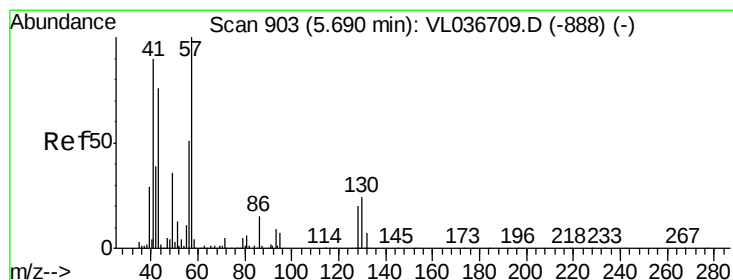
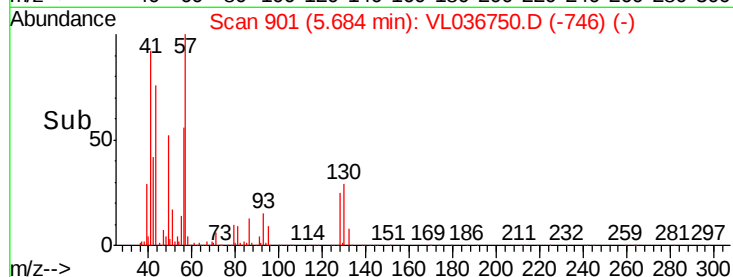
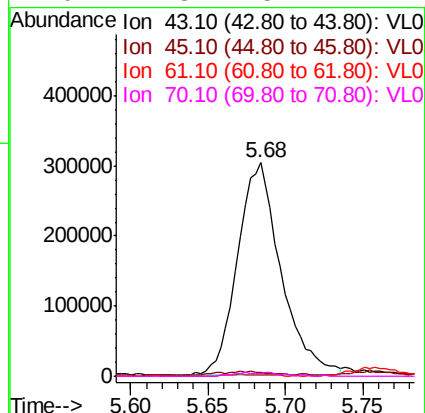
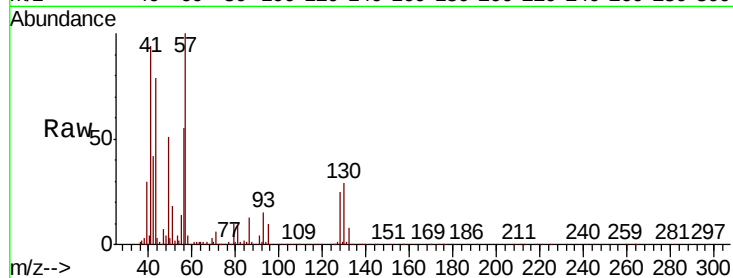




#25
Ethyl Acetate
Concen: 2.020 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

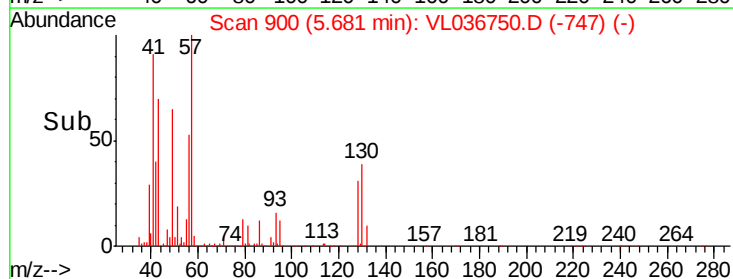
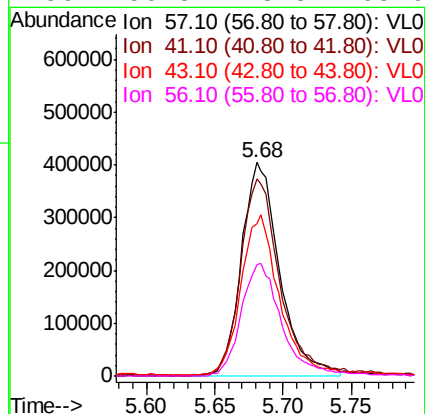
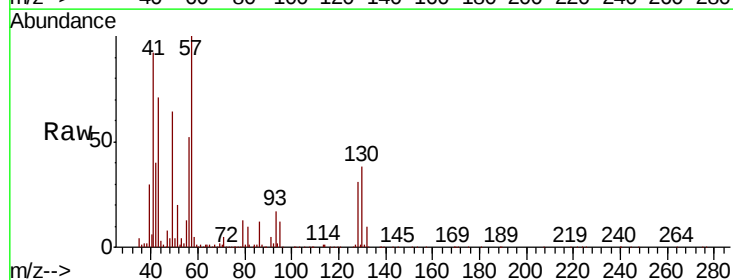
Instrument :
MSVOA_L
ClientSampleId :
SG-1

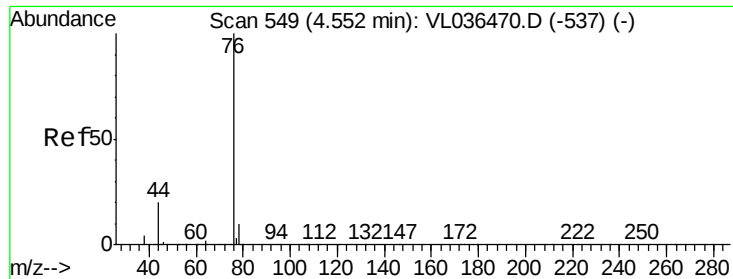
Tot Ion:	43	Resp:	587475
Ion	Ratio	Lower	Upper
43	100		
45	3.2	7.9	11.9#
61	1.1	7.4	11.2#
70	1.8	5.1	7.7#



#26
Hexane
Concen: 5.810 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion:	57	Resp:	784143
Ion	Ratio	Lower	Upper
57	100		
41	96.7	77.2	115.8
43	77.6	173.8	260.6#
56	56.8	43.8	65.6





#27

Carbon Disulfide

Concen: 0.860 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SG-1

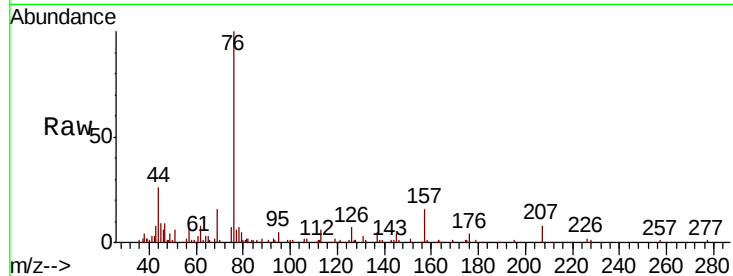
Tot Ion: 76 Resp: 114389

Ion Ratio Lower Upper

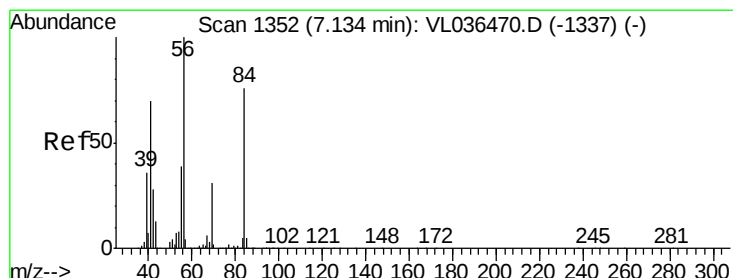
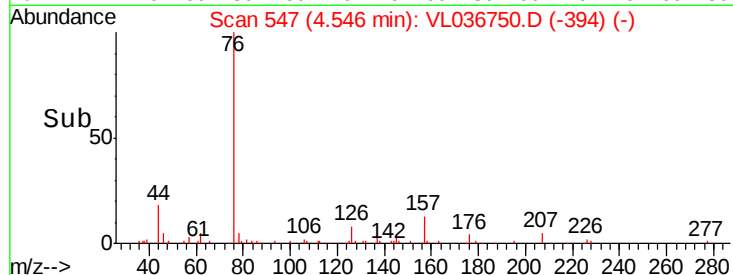
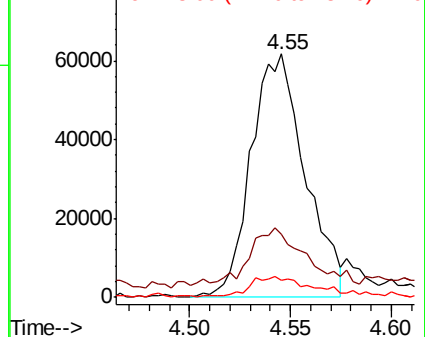
76 100

44 29.5 17.5 26.3#

78 12.4 8.6 13.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.037 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

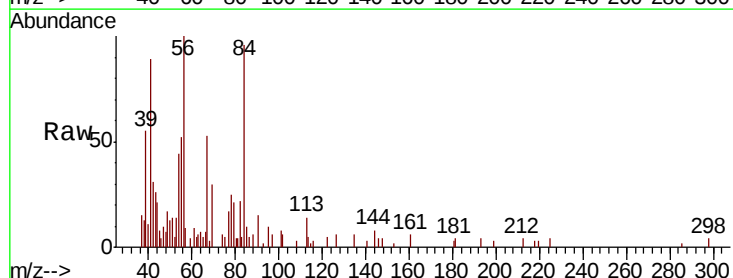
Tgt Ion: 84 Resp: 4063

Ion Ratio Lower Upper

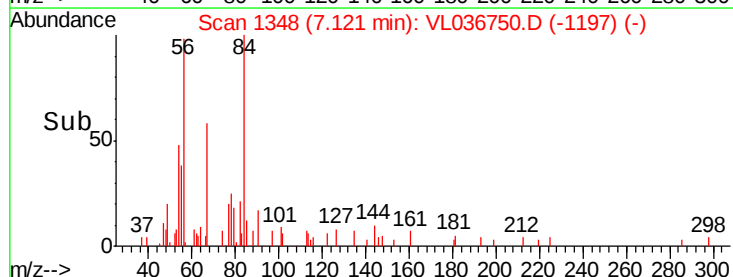
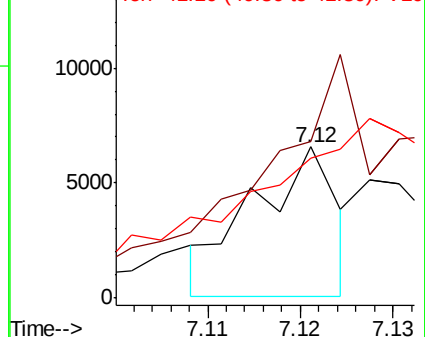
84 100

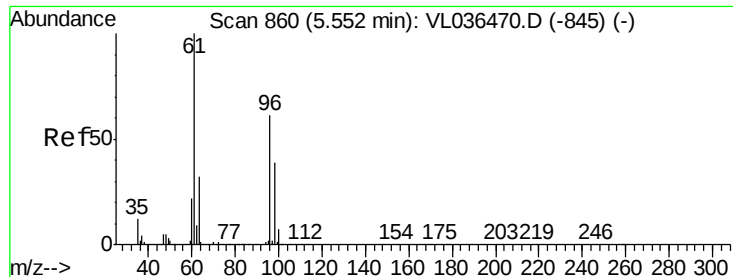
56 0.0 114.6 171.8#

41 0.0 75.3 112.9#



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



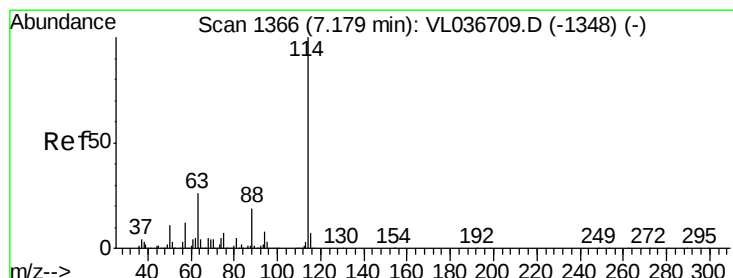
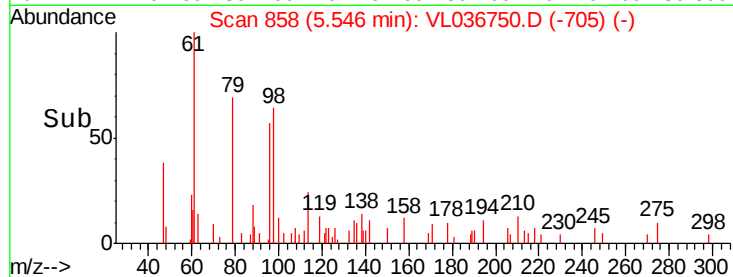
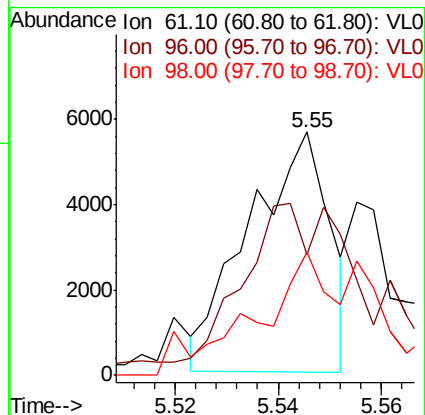
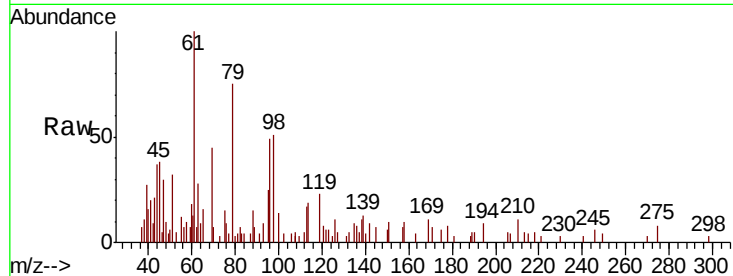


#31

cis-1,2-Dichloroethene
 Concen: 0.047 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

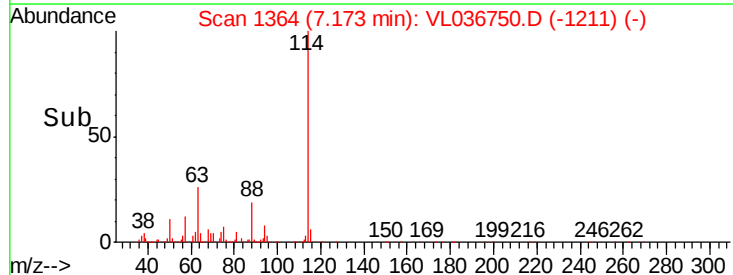
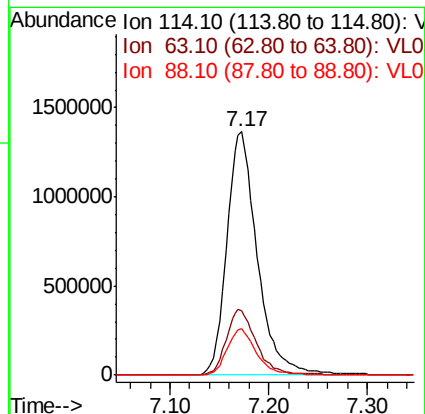
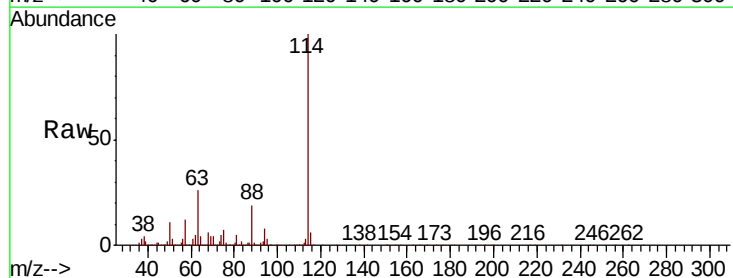
Tot Ion: 61 Resp: 6091
 Ion Ratio Lower Upper
 61 100
 96 50.3 48.7 73.1
 98 51.8 31.4 47.0#

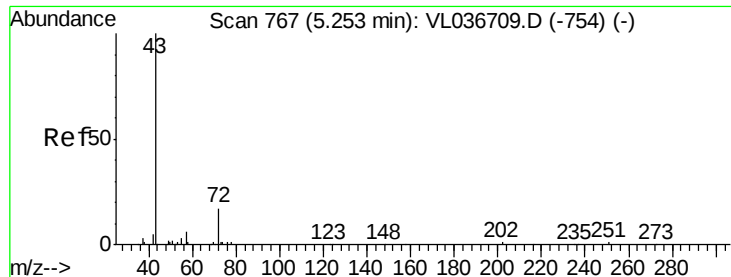


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Tgt Ion: 114 Resp: 2952369
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.4 33.6
 88 18.6 15.4 23.0





#34

2-Butanone

Concen: 5.380 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

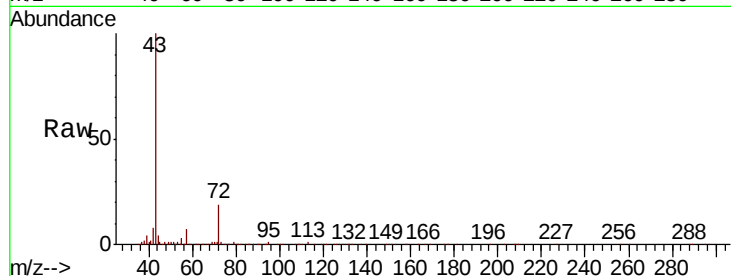
SG-1

Tot Ion: 43 Resp: 775304

Ion Ratio Lower Upper

43 100

72 22.2 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.24

400000

300000

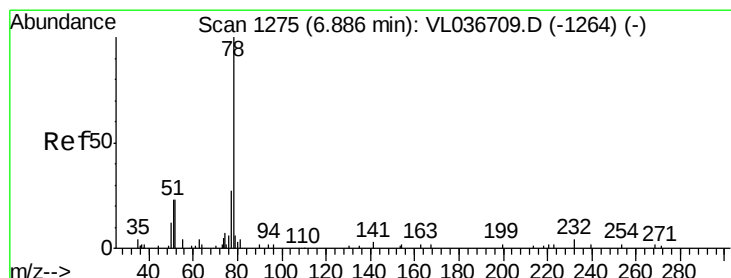
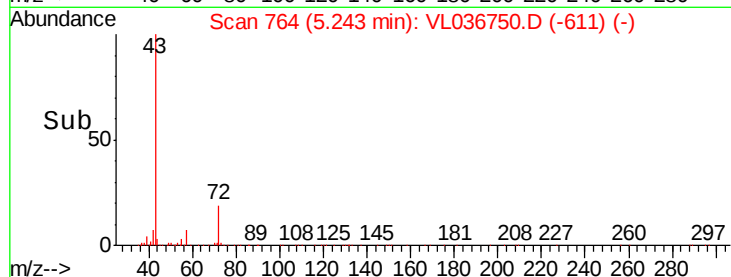
200000

100000

0

Time-->

5.20 5.25 5.30



#36

Benzene

Concen: 1.315 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

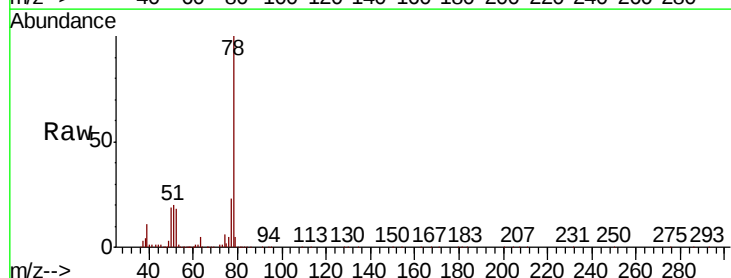
Tgt Ion: 78 Resp: 358011

Ion Ratio Lower Upper

78 100

77 22.6 18.0 27.0

50 18.8 16.5 24.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

6.89

200000

150000

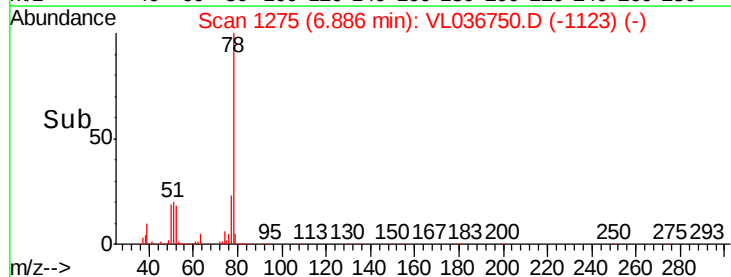
100000

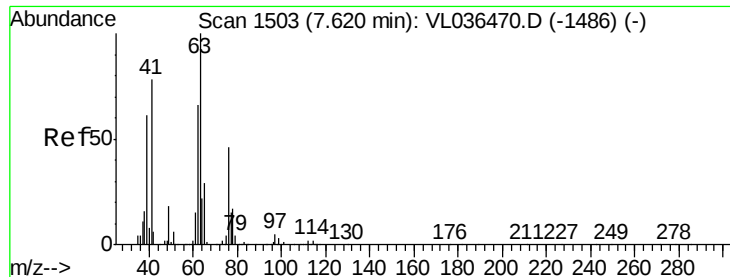
50000

0

Time-->

6.80 6.85 6.90 6.95





#39

1,2-Dichloropropane

Concen: 7.057 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SG-1

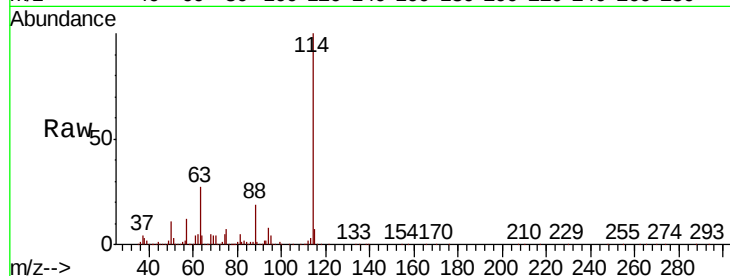
Tot Ion: 63 Resp: 779475

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

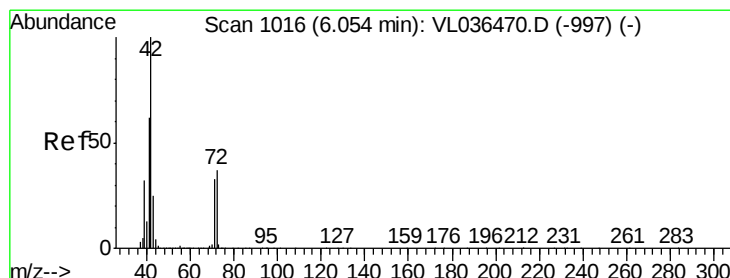
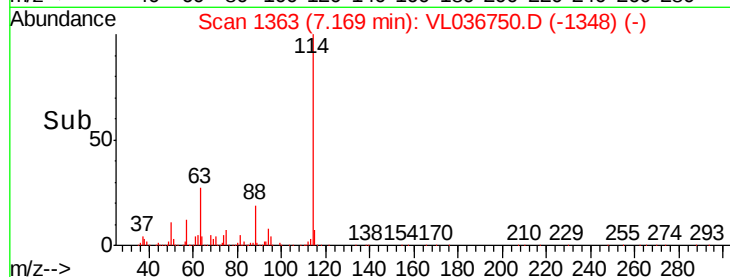
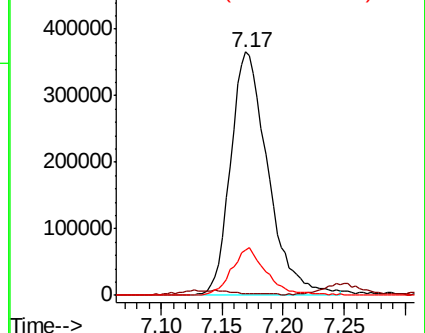
62 18.4 52.8 79.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 4.798 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.37 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

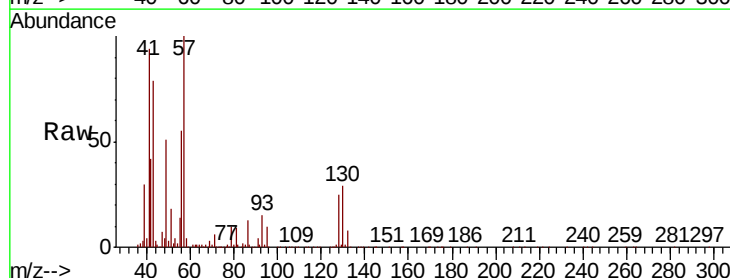
Tgt Ion: 42 Resp: 318824

Ion Ratio Lower Upper

42 100

72 1.6 27.6 41.4#

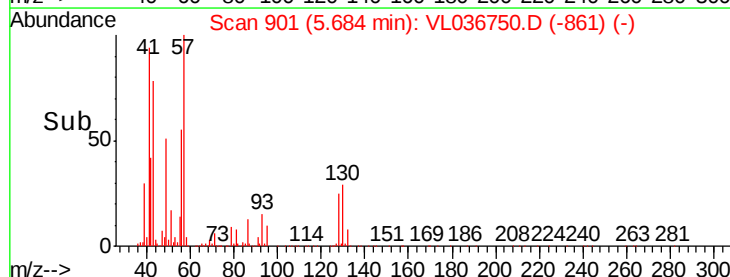
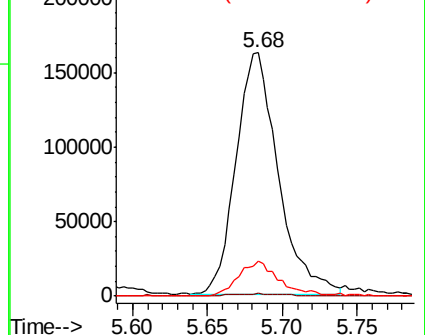
71 14.6 27.0 40.4#

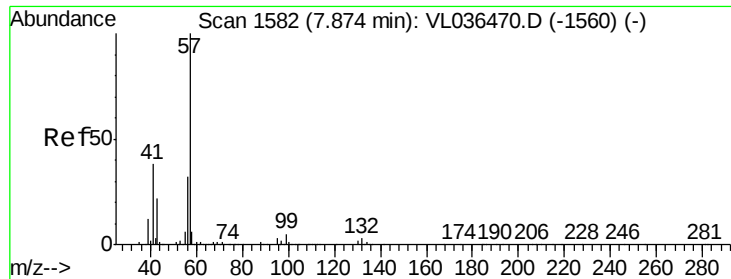


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

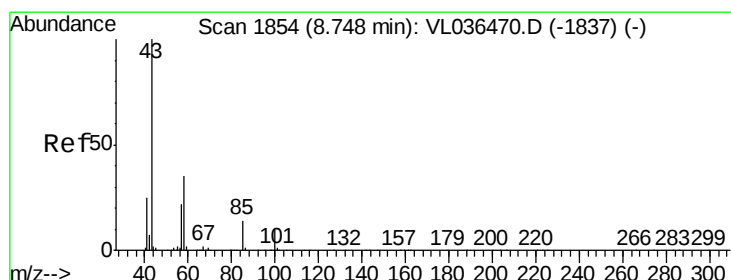
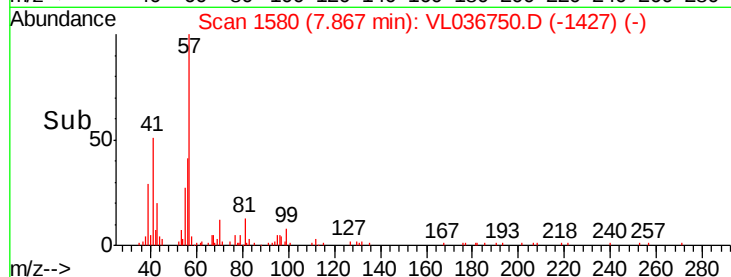
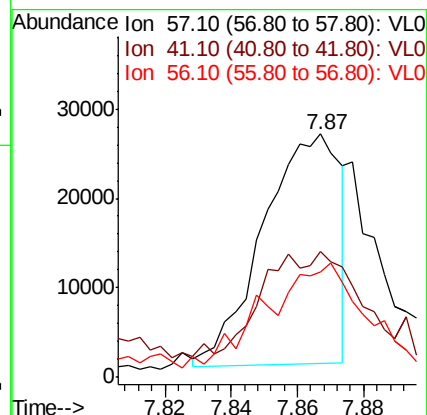
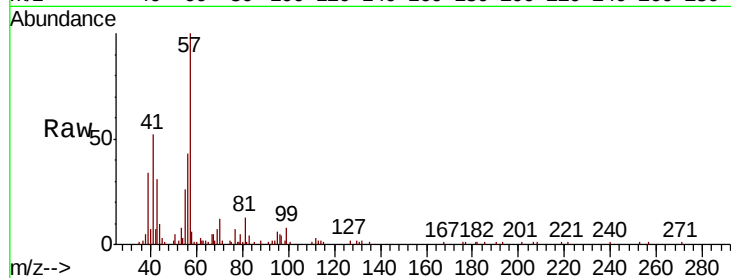




#44
 2,2,4-Trimethylpentane
 Concen: 0.087 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

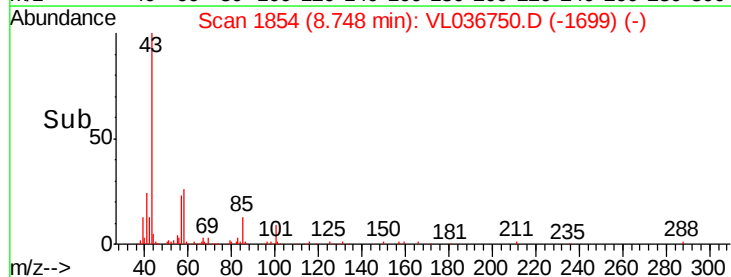
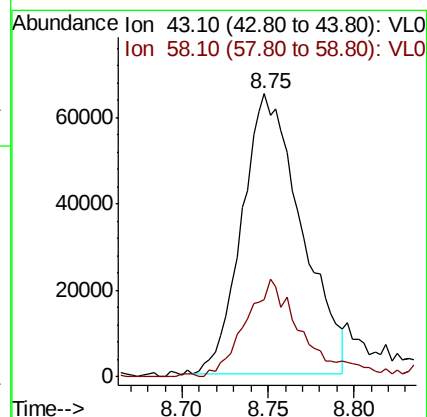
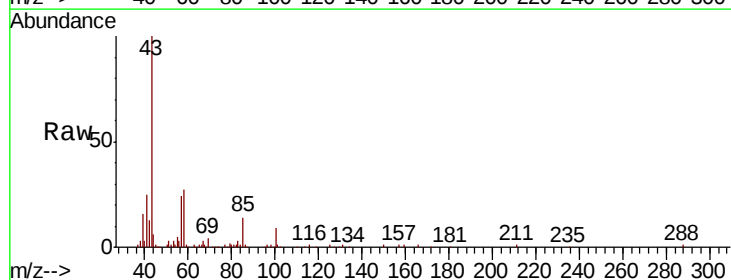
Instrument :
 MSVOA_L
 ClientSampleID :
 SG-1

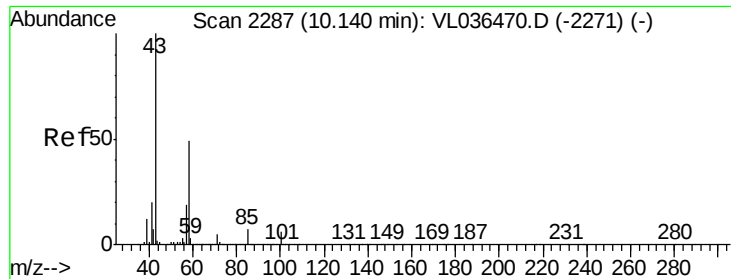
Tot Ion: 57 Resp: 41533
 Ion Ratio Lower Upper
 57 100
 41 81.6 28.8 43.2#
 56 88.0 26.1 39.1#



#50
 4-Methyl-2-Pentanone
 Concen: 0.747 ppbv
 RT: 8.75 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Tgt Ion: 43 Resp: 155684
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.2 42.2

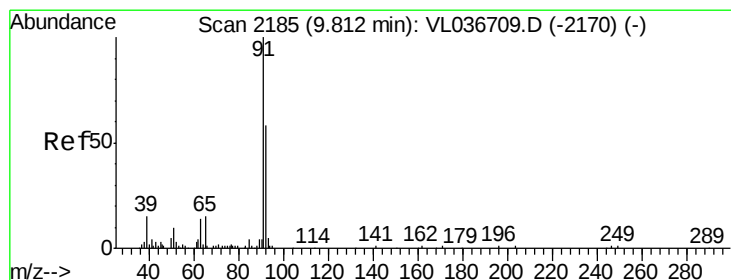
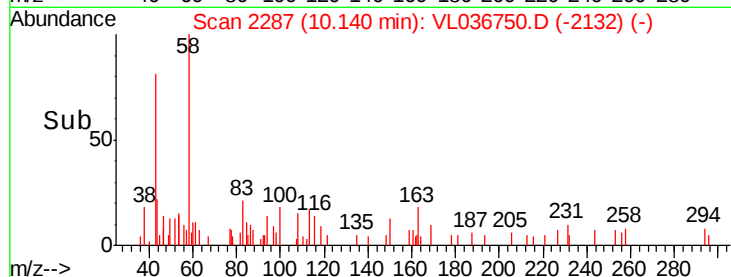
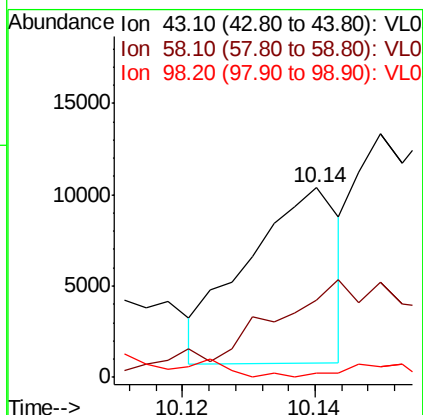
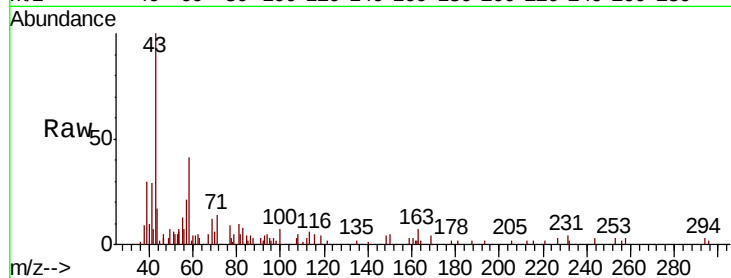




#51
2-Hexanone
Concen: 0.089 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

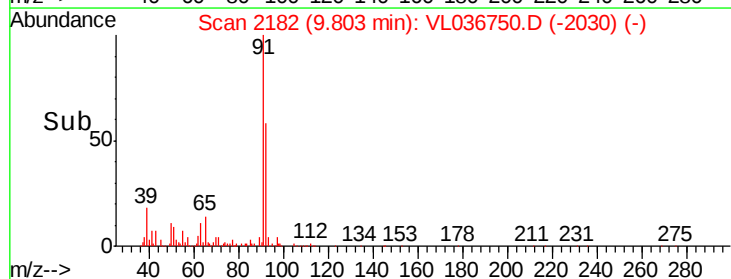
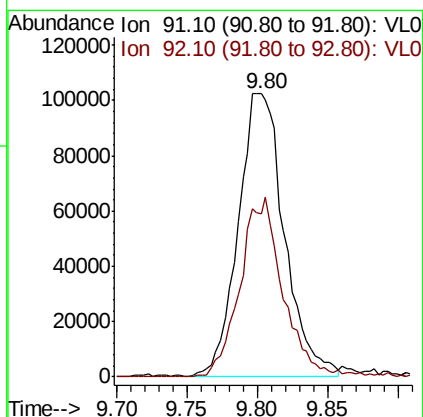
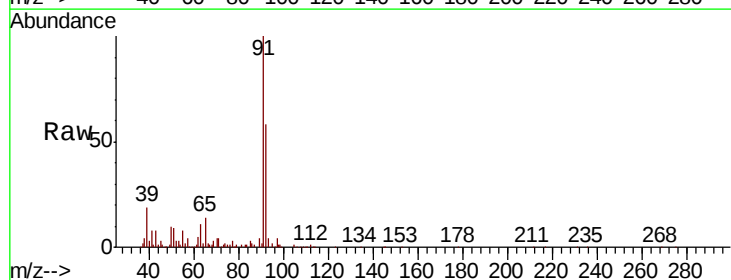
Instrument :
MSVOA_L
ClientSampleId :
SG-1

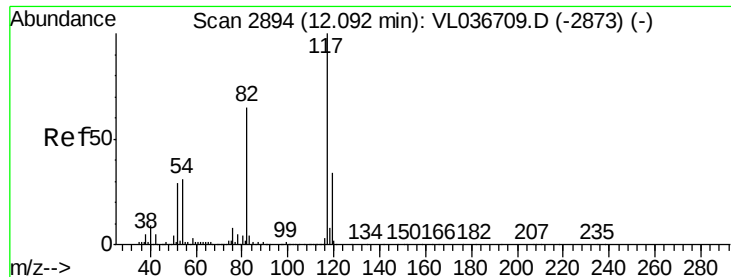
Tot Ion: 43 Resp: 9323
Ion Ratio Lower Upper
43 100
58 134.2 37.7 56.5#
98 0.0 0.2 0.2#



#53
Toluene
Concen: 0.806 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion: 91 Resp: 233693
Ion Ratio Lower Upper
91 100
92 59.2 48.8 73.2

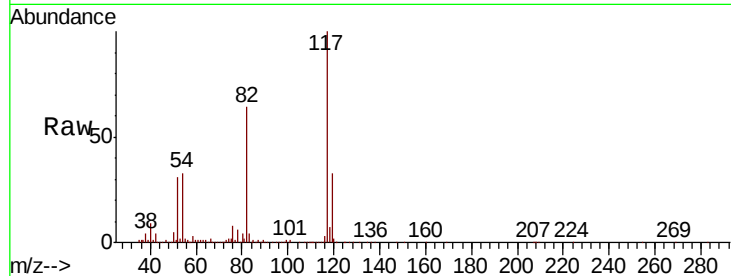




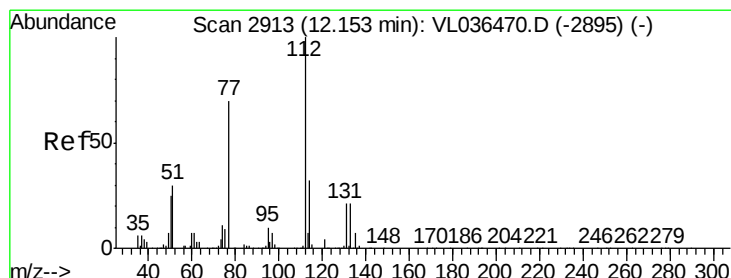
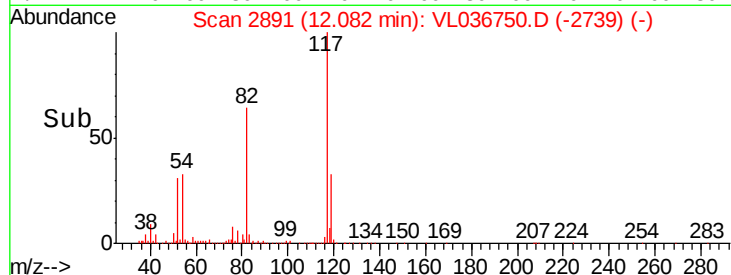
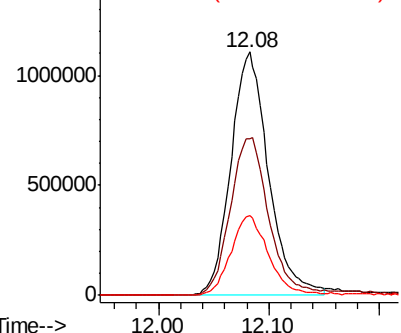
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion:117 Resp: 2616003
Ion Ratio Lower Upper
117 100
82 69.2 57.4 86.0
119 34.0 47.4 71.0#

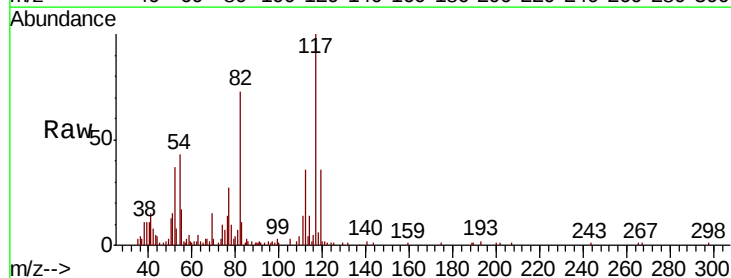


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

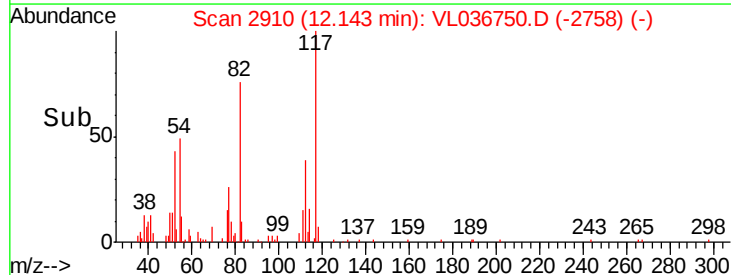
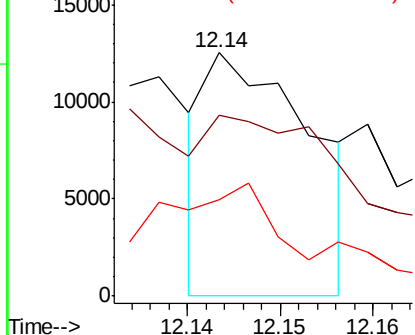


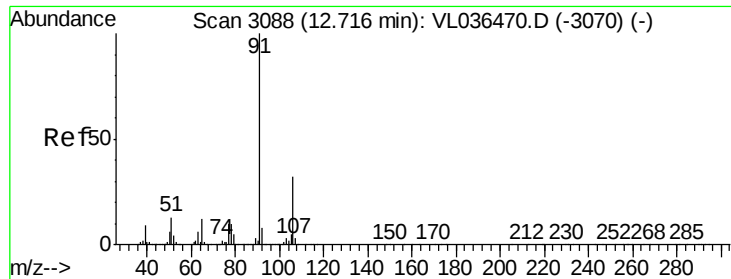
#57
Chlorobenzene
Concen: 0.044 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion:112 Resp: 9752
Ion Ratio Lower Upper
112 100
77 54.5 56.0 84.0#
114 47.1 29.0 35.4#



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.138 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

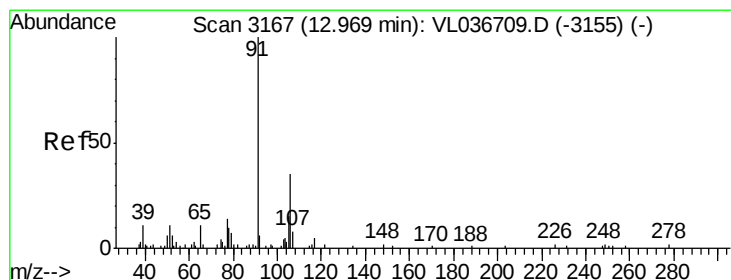
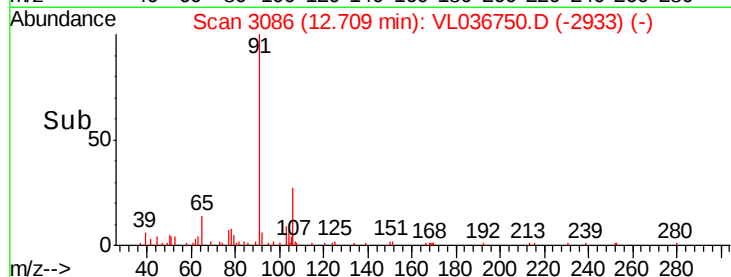
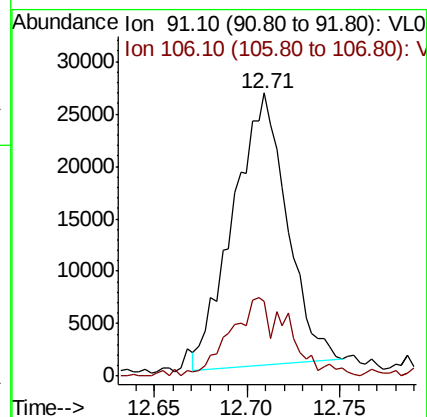
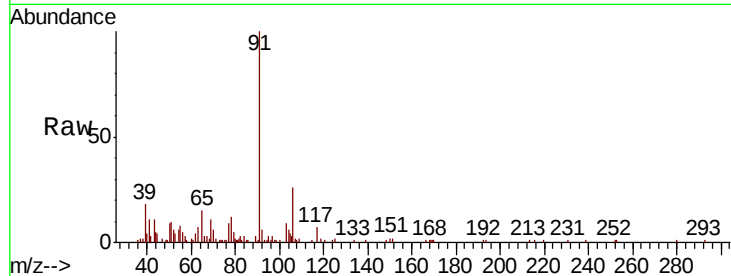
SG-1

Tot Ion: 91 Resp: 52686

Ion Ratio Lower Upper

91 100

106 26.3 25.3 37.9



#59

m/p-Xylene

Concen: 0.162 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036750.D

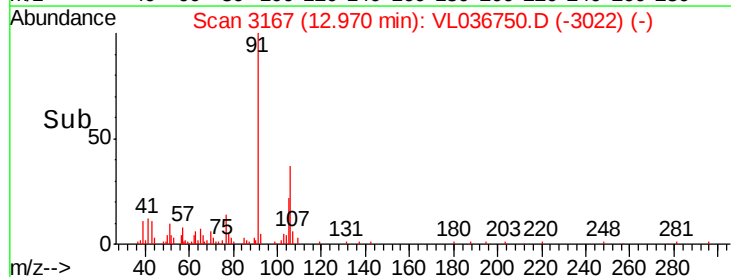
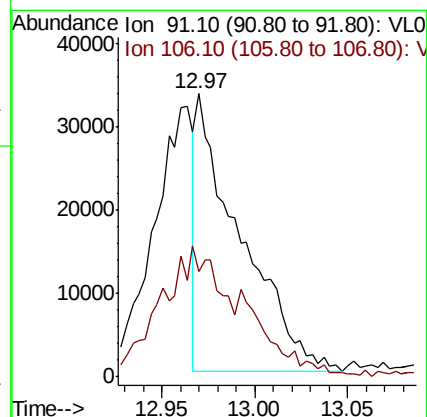
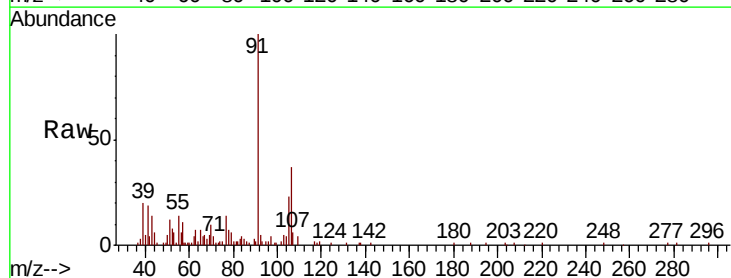
Acq: 8 Apr 2021 14:42

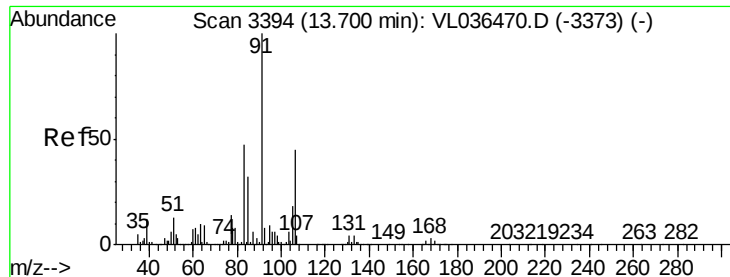
Tgt Ion: 91 Resp: 53896

Ion Ratio Lower Upper

91 100

106 90.4 35.3 52.9#

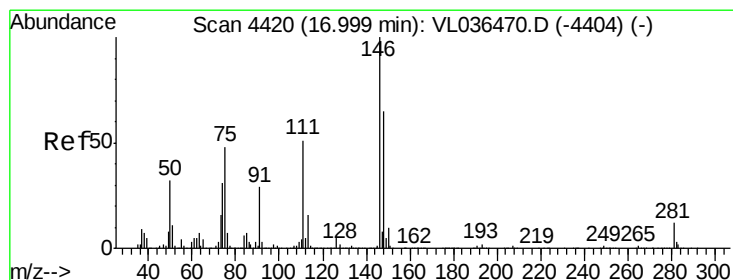
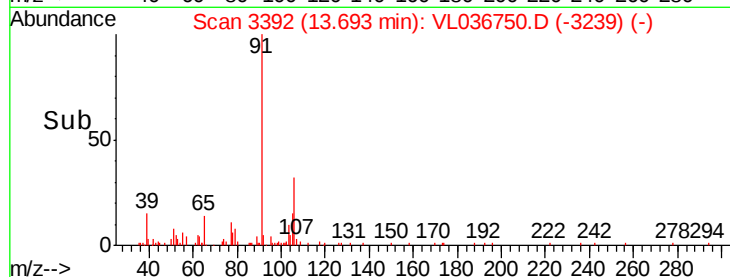
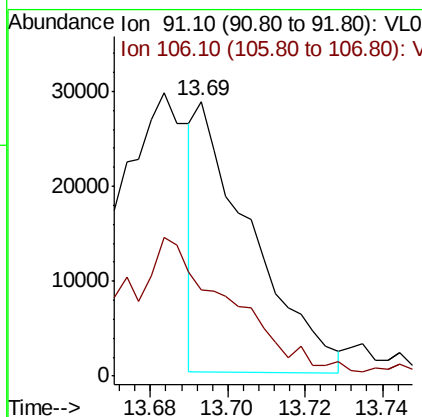
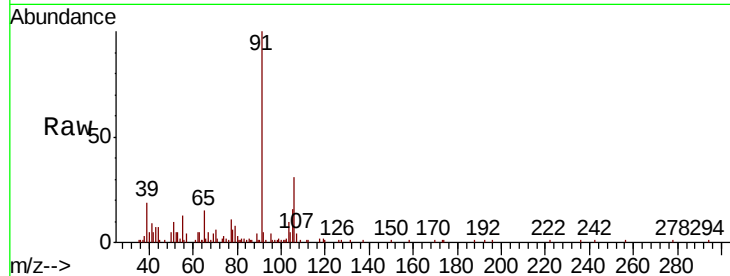




#60
o-Xylene
Concen: 0.088 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

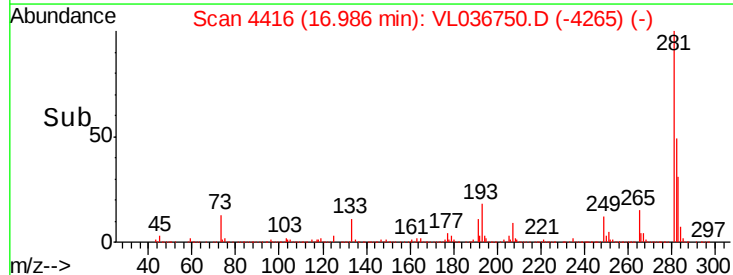
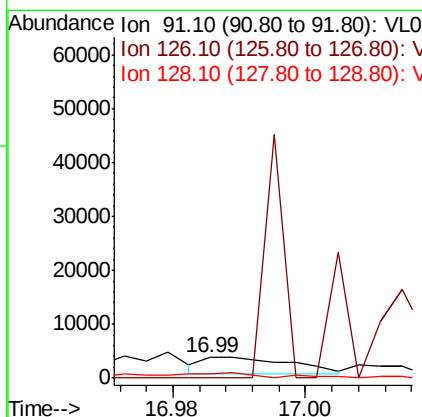
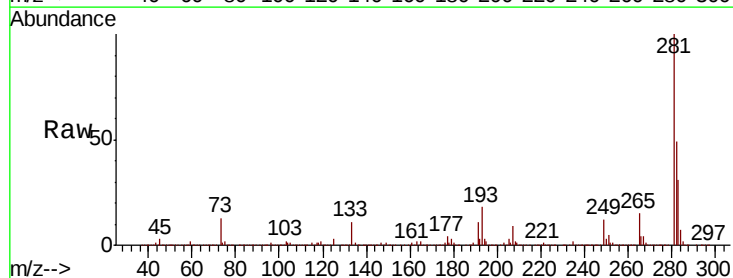
Instrument :
MSVOA_L
ClientSampled :
SG-1

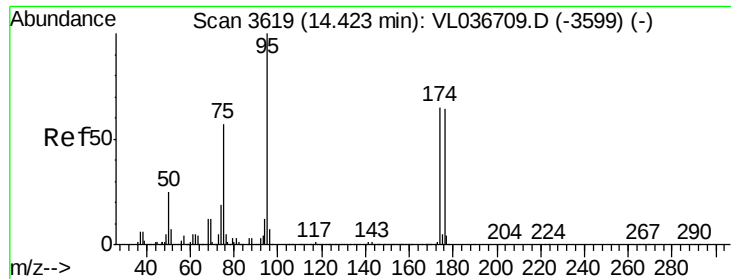
Tot Ion: 91 Resp: 28118
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9#



#66
Benzyl Chloride
Concen: 0.068 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.01 min
Lab File: VL036750.D
Acq: 8 Apr 2021 14:42

Tgt Ion: 91 Resp: 2831
Ion Ratio Lower Upper
91 100
126 958.2 13.5 20.3#
128 0.0 4.2 6.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.636 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SG-1

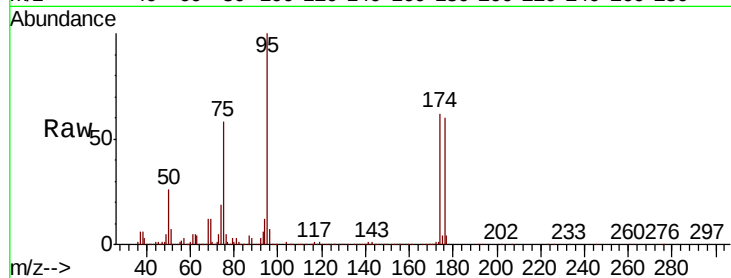
Tot Ion: 95 Resp: 2009148

Ion Ratio Lower Upper

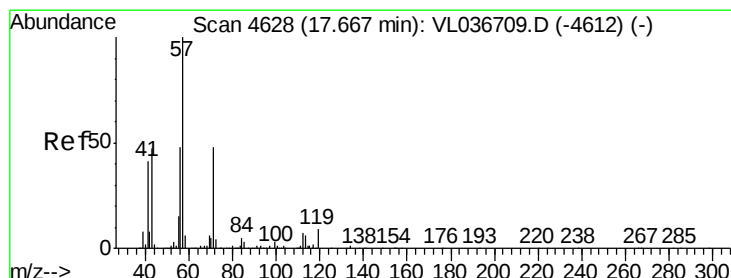
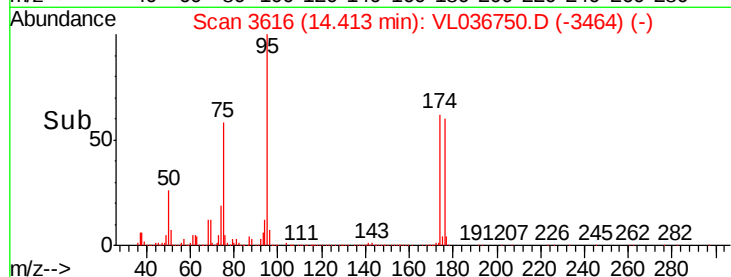
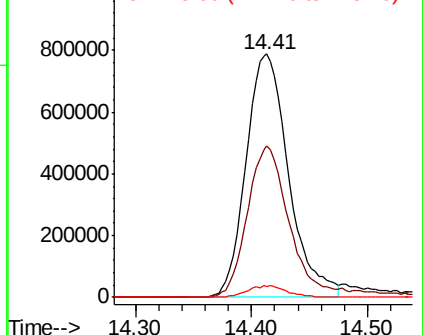
95 100

174 64.6 51.0 76.6

175 4.7 3.9 5.9



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: 0.041 ppbv

RT: 17.64 min Scan# 4621

Delta R.T. -0.02 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

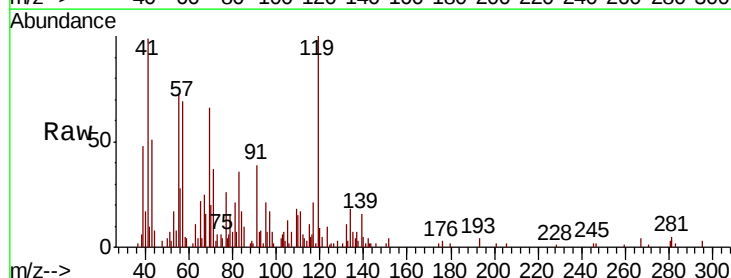
Tgt Ion: 119 Resp: 16953

Ion Ratio Lower Upper

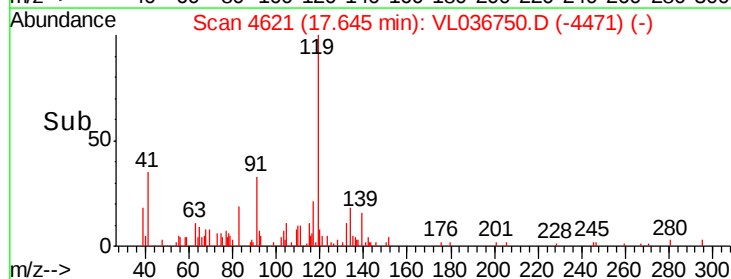
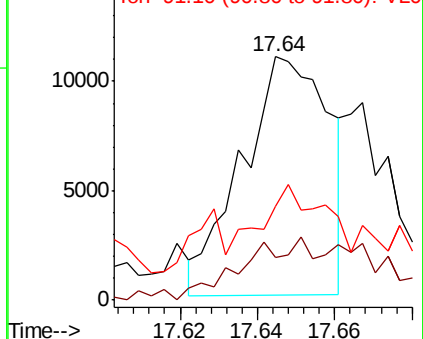
119 100

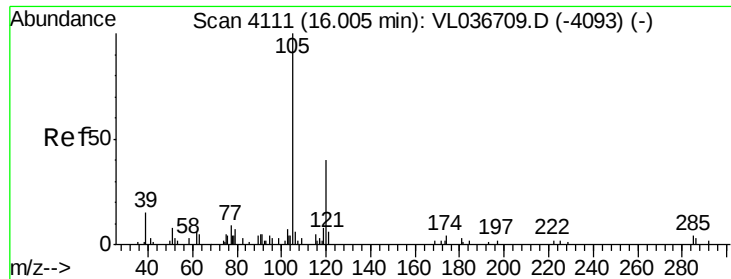
134 43.0 20.6 30.8#

91 65.1 25.0 37.6#



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

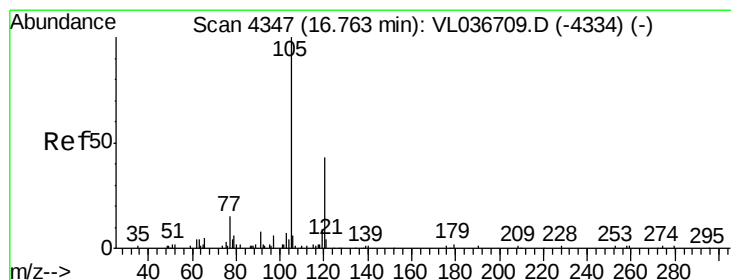
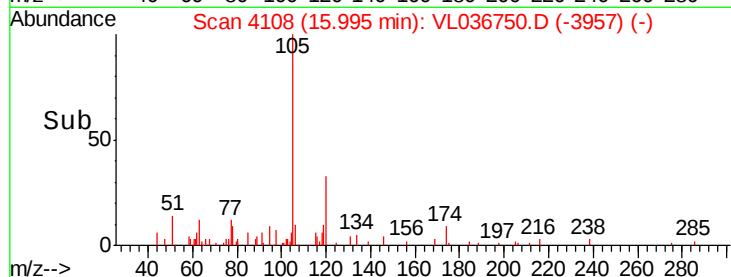
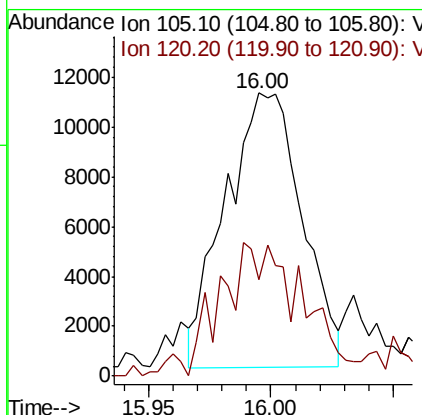
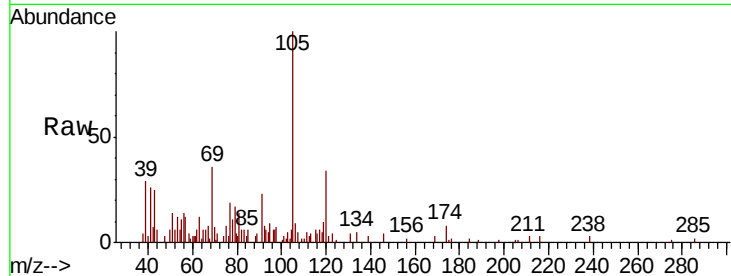




#73
 1,3,5-Trimethylbenzene
 Concen: 0.073 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

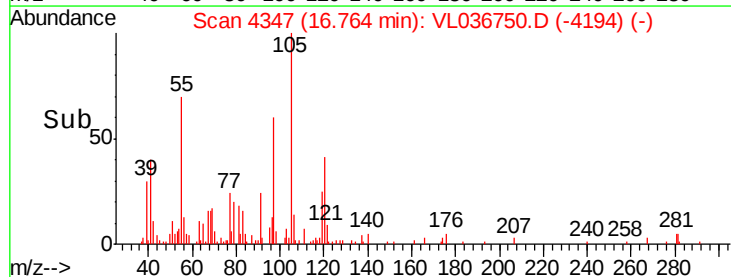
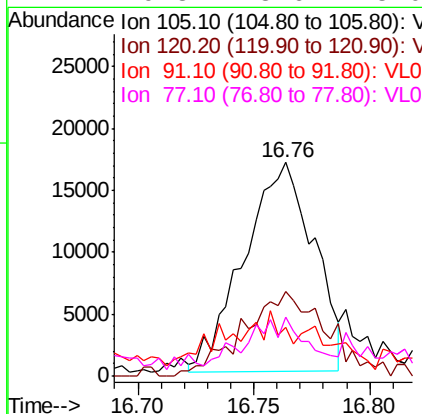
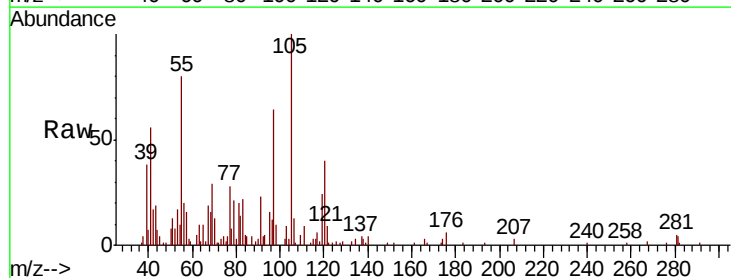
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

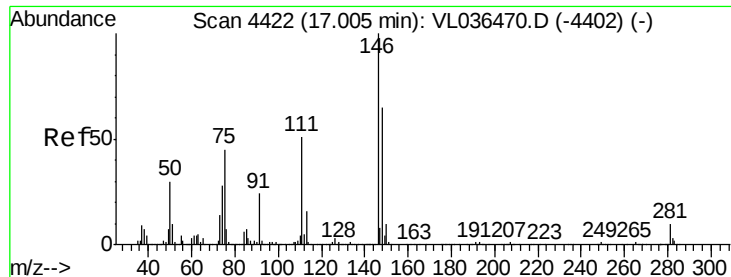
Tot Ion:105 Resp: 24016
 Ion Ratio Lower Upper
 105 100
 120 40.5 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.100 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL036750.D
 Acq: 8 Apr 2021 14:42

Tgt Ion:105 Resp: 35203
 Ion Ratio Lower Upper
 105 100
 120 39.0 39.2 58.8#
 91 12.3 42.6 64.0#
 77 19.8 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 0.045 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SG-1

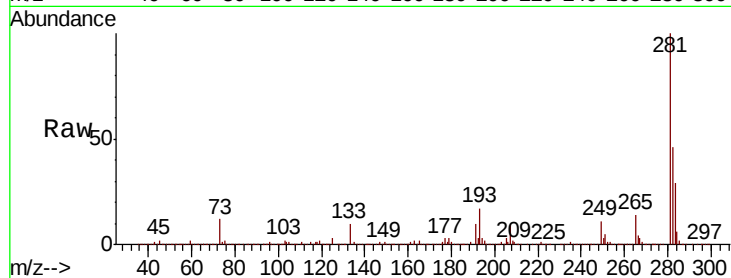
Tot Ion:146 Resp: 8995

Ion Ratio Lower Upper

146 100

111 0.0 24.5 73.5#

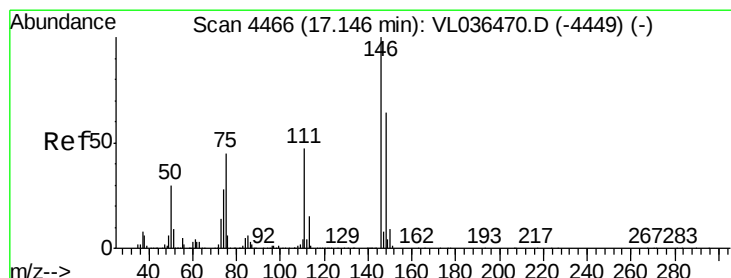
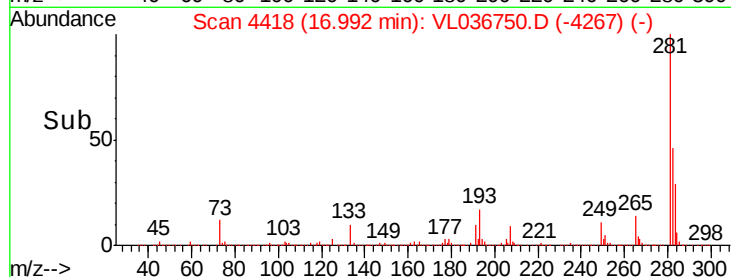
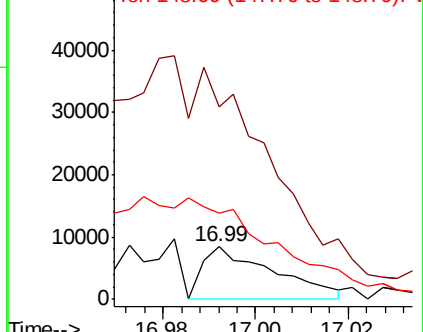
148 0.0 32.3 96.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.034 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL036750.D

Acq: 8 Apr 2021 14:42

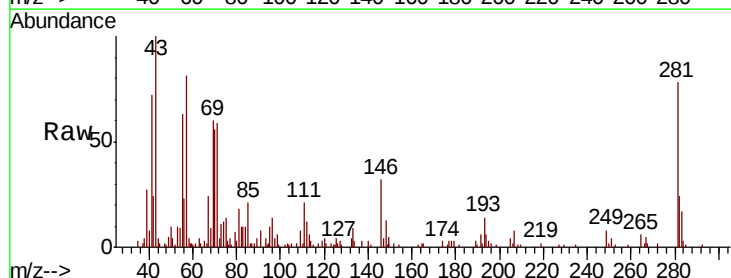
Tgt Ion:146 Resp: 6697

Ion Ratio Lower Upper

146 100

111 195.5 24.3 72.8#

148 119.1 33.0 98.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

