

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036972.D
 Acq On : 18 May 2021 17:05
 Operator : SY/AP
 Sample : M2430-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Quant Time: May 19 03:14:12 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	1285296	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3654678	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3330727	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2494674	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	38395	0.176	ppbv 96
3) Chlorodifluoromethane	2.95	51	1660566	7.052	ppbv # 75
4) Chloromethane	3.12	50	88415	1.103	ppbv 97
7) Chloroethane	3.54	64	1597	0.056	ppbv 95
9) Propene	3.19	41	1427263	16.927	ppbv 90
10) Heptane	8.10	43	38285	0.182	ppbv 95
11) Trichlorofluoromethane	3.94	101	43194	0.214	ppbv 89
13) Ethanol	3.63	45	23471146	2086.327	ppbv 94
15) Acetone	3.84	43	2036362	15.468	ppbv 95
16) 1,3-Butadiene	3.29	39	15764	0.193	ppbv 93
17) tert-Butyl alcohol	3.99	59	309797	2.569	ppbv 99
19) Isopropyl Alcohol	3.99	45	8277682	116.970	ppbv # 32
20) Methylene Chloride	4.33	84	749893	10.626	ppbv 98
21) Allyl Chloride	4.65	41	37179	0.374	ppbv # 33
23) Vinyl Acetate	5.05	43	259703	1.243	ppbv # 87
25) Ethyl Acetate	5.66	43	1007637	3.185	ppbv 96
26) Hexane	5.67	57	658234	4.073	ppbv # 82
27) Carbon Disulfide	4.53	76	5585	0.034	ppbv # 1
29) Chloroform	5.73	83	131250	0.575	ppbv 93
30) Cyclohexane	7.11	84	5430	0.040	ppbv # 1
31) cis-1,2-Dichloroethene	5.54	61	24587	0.170	ppbv # 81
34) 2-Butanone	5.23	43	185560	1.394	ppbv 96
35) Carbon Tetrachloride	7.00	117	15774	0.065	ppbv 85
36) Benzene	6.88	78	101766	0.323	ppbv 96
37) 1,2-Dichloroethane	6.29	62	15174	0.097	ppbv # 86
38) Trichloroethene	7.82	130	128390	0.953	ppbv 97
39) 1,2-Dichloropropane	7.16	63	853195	7.036	ppbv # 25
40) 1,4-Dioxane	7.83	88	3137	0.110	ppbv # 100
41) Tetrahydrofuran	6.03	42	33070	0.436	ppbv # 75
44) 2,2,4-Trimethylpentane	7.85	57	63673	0.118	ppbv # 78
50) 4-Methyl-2-Pentanone	8.73	43	9524	0.043	ppbv # 1
52) Tetrachloroethene	11.20	164	261765	2.091	ppbv 93
53) Toluene	9.79	91	259566	0.693	ppbv 99
58) Ethyl Benzene	12.69	91	31496	0.067	ppbv 97
59) m/p-Xylene	12.97	91	13298	0.034	ppbv # 30
60) o-Xylene	13.67	91	33798	0.091	ppbv 100
69) p-Isopropyltoluene	17.64	119	85750	0.152	ppbv 94
72) 4-Ethyltoluene	15.82	105	14356	0.033	ppbv # 54
74) 1,2,4-Trimethylbenzene	16.74	105	22898	0.054	ppbv # 57

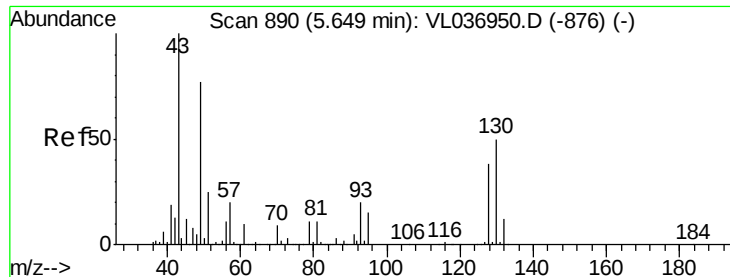
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
Data File : VL036972.D
Acq On : 18 May 2021 17:05
Operator : SY/AP
Sample : M2430-01DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: May 19 03:14:12 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)

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

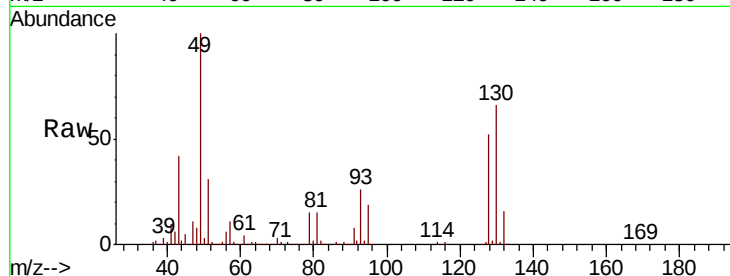
Tot Ion: 49 Resp: 1285296

Ion Ratio Lower Upper

49 100

128 53.7 26.9 80.7

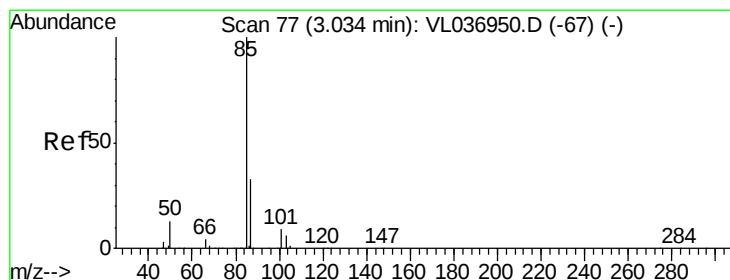
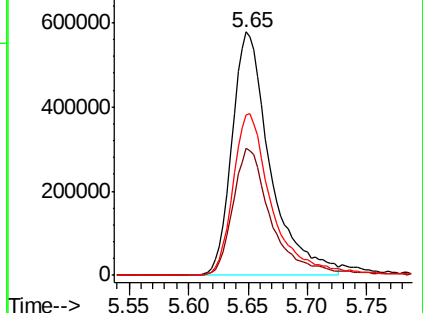
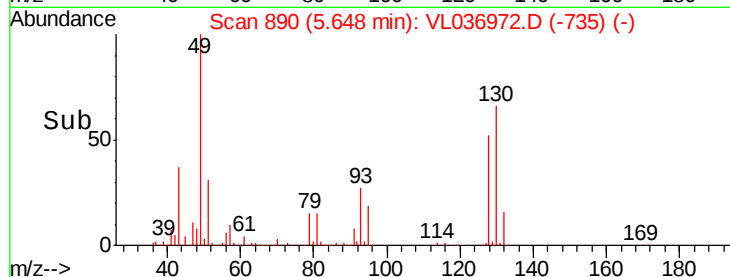
130 69.0 33.8 101.4



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: 0.176 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL036972.D

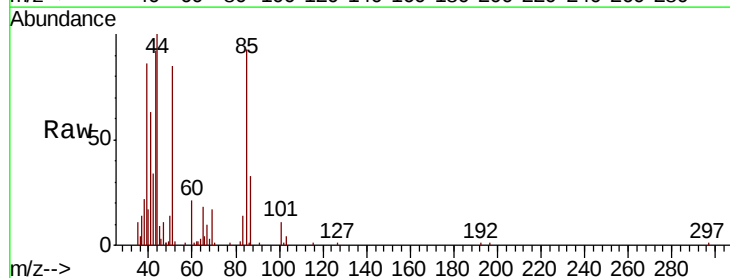
Acq: 18 May 2021 17:05

Tgt Ion: 85 Resp: 38395

Ion Ratio Lower Upper

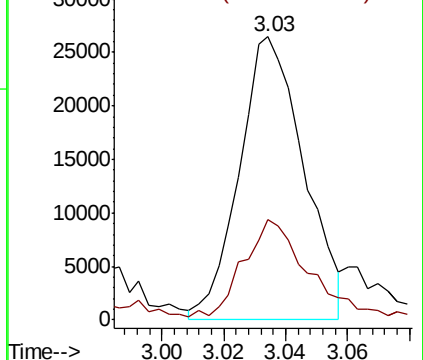
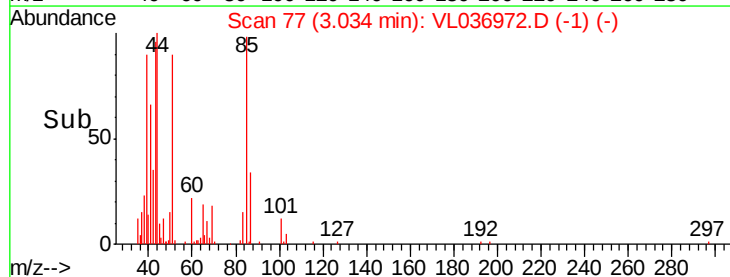
85 100

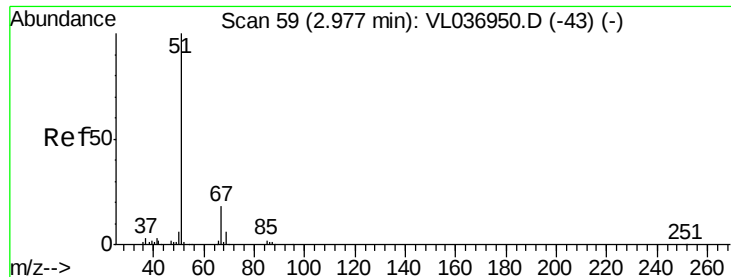
87 35.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.052 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.03 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

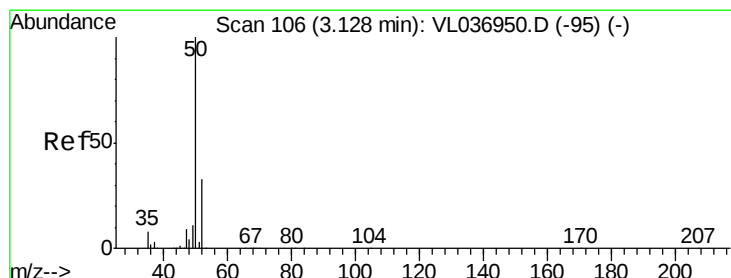
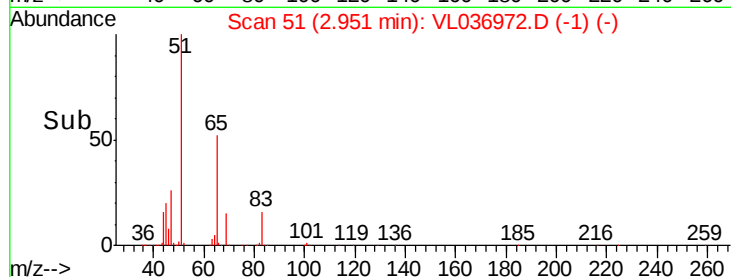
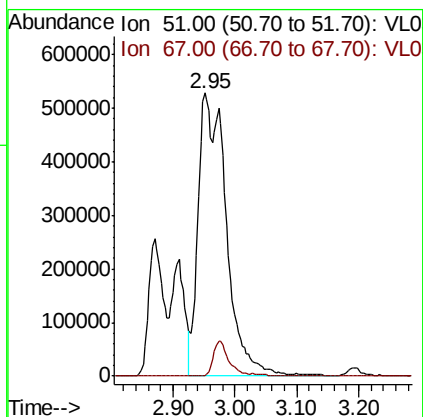
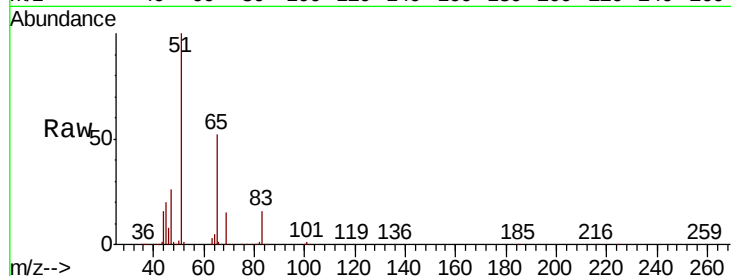
IA1DUP

Tot Ion: 51 Resp: 1660566

Ion Ratio Lower Upper

51 100

67 7.3 14.6 21.8#



#4

Chloromethane

Concen: 1.103 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036972.D

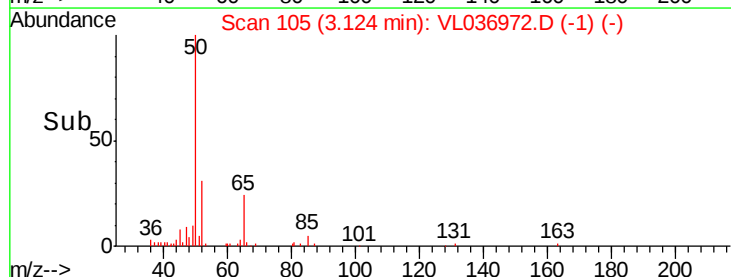
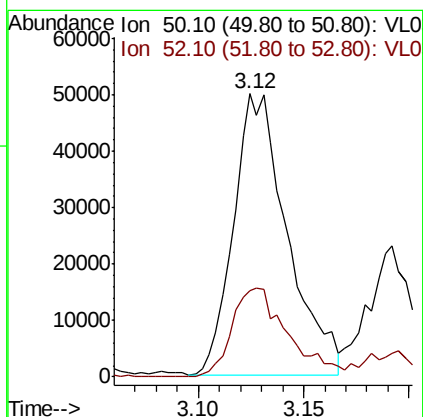
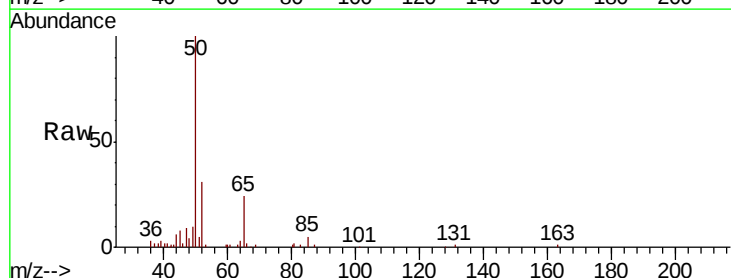
Acq: 18 May 2021 17:05

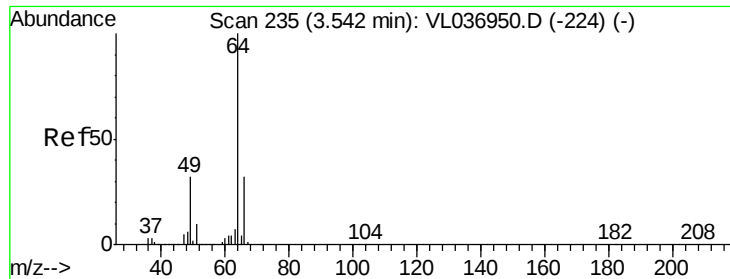
Tgt Ion: 50 Resp: 88415

Ion Ratio Lower Upper

50 100

52 30.9 26.1 39.1





#7

Chloroethane

Concen: 0.056 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

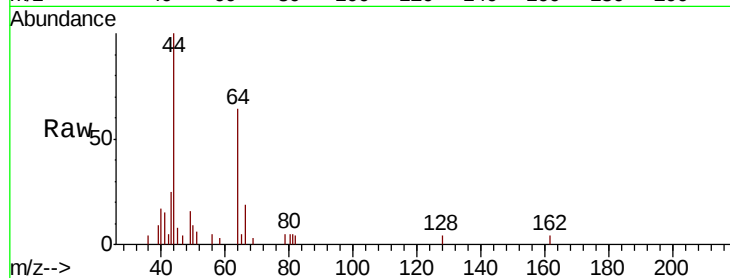
IA1DUP

Tot Ion: 64 Resp: 1597

Ion Ratio Lower Upper

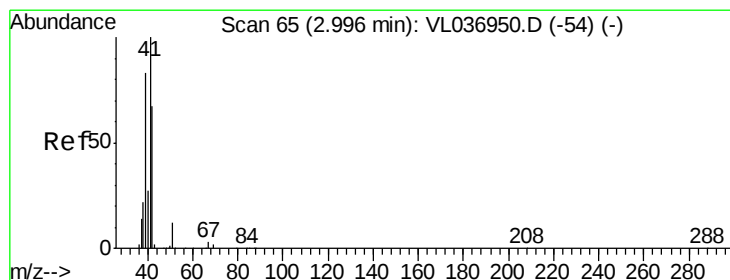
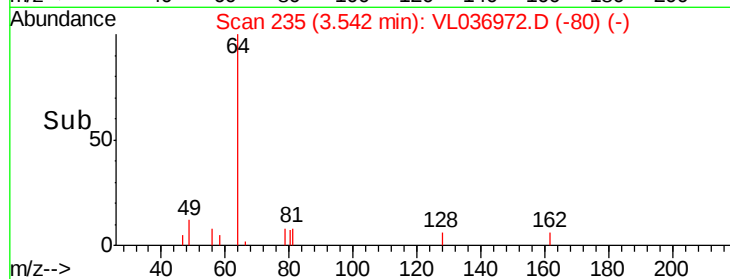
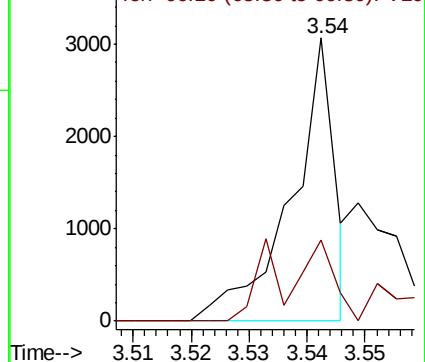
64 100

66 28.9 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 16.927 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.20 min

Lab File: VL036972.D

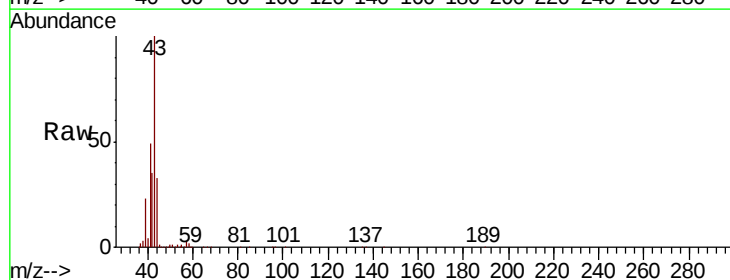
Acq: 18 May 2021 17:05

Tgt Ion: 41 Resp: 1427263

Ion Ratio Lower Upper

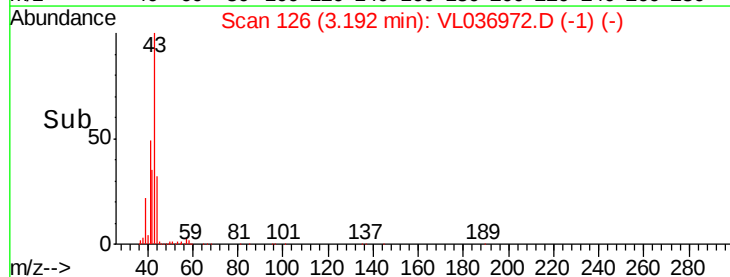
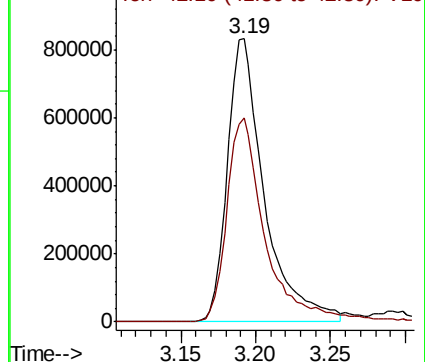
41 100

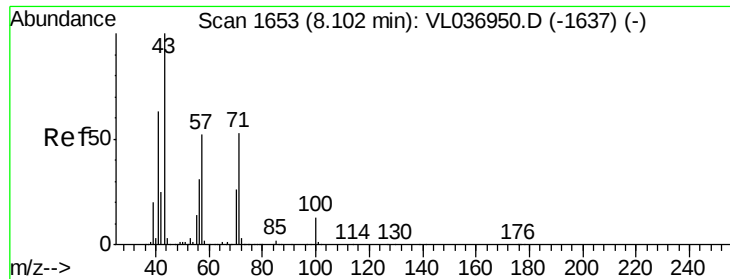
42 75.2 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

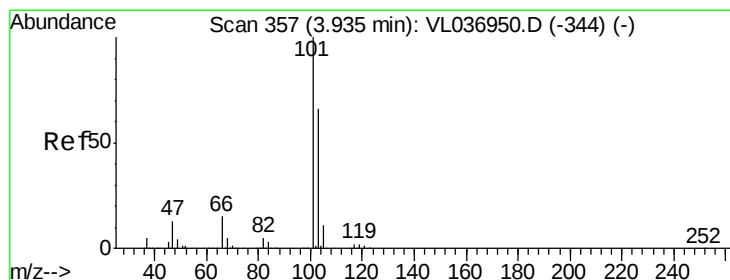
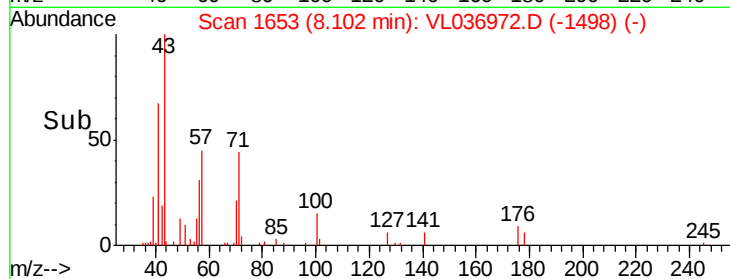
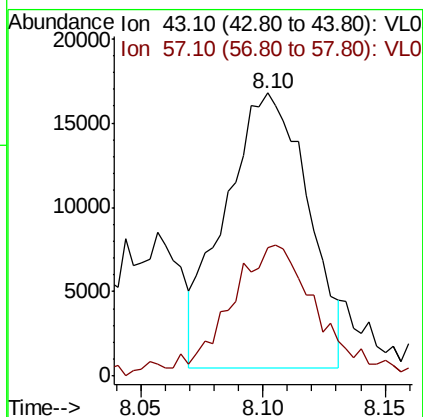
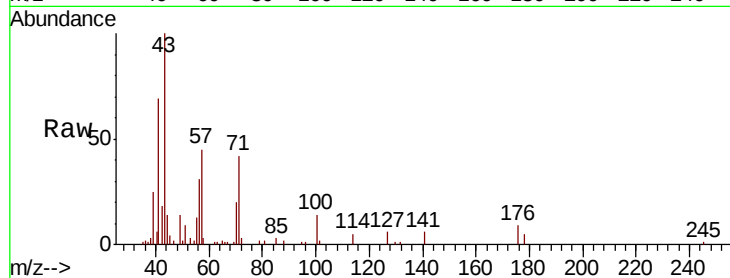




#10
Heptane
Concen: 0.182 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

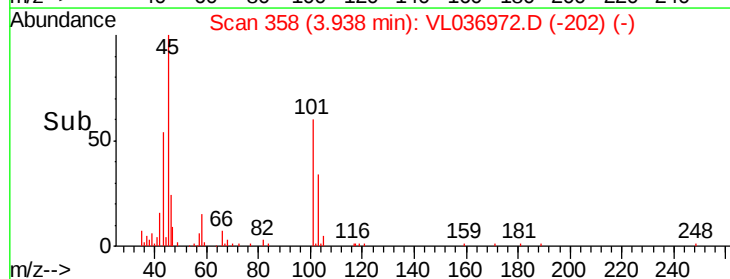
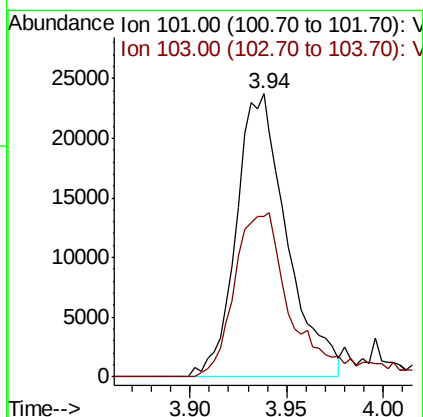
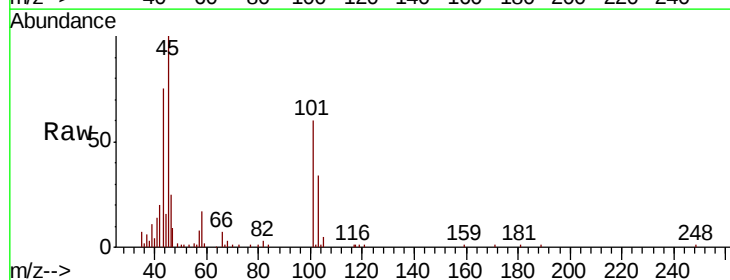
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

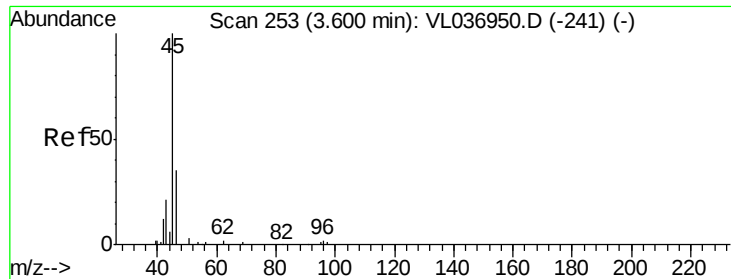
Tot Ion: 43 Resp: 38285
Ion Ratio Lower Upper
43 100
57 54.6 41.0 61.6



#11
Trichlorofluoromethane
Concen: 0.214 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion: 101 Resp: 43194
Ion Ratio Lower Upper
101 100
103 56.7 52.6 79.0





#13

Ethanol

Concen: 2086.327 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.03 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

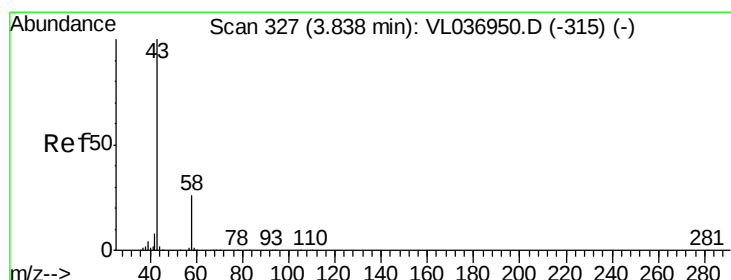
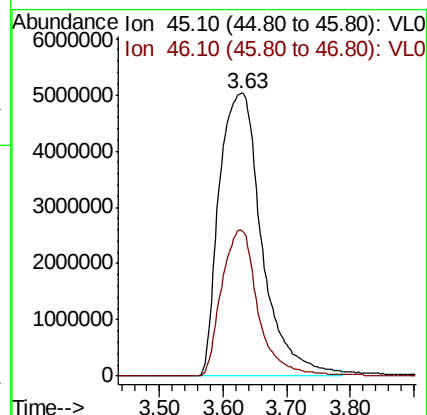
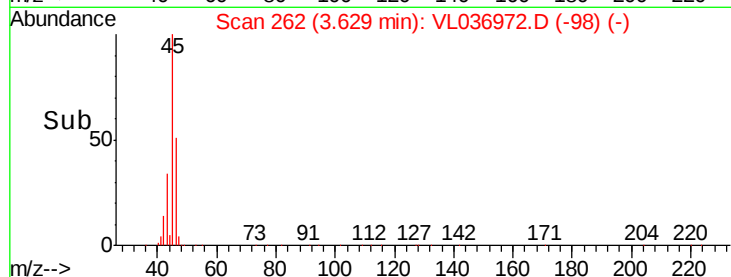
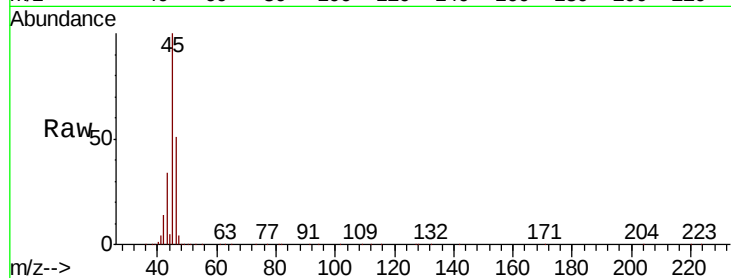
IA1DUP

Tot Ion: 45 Resp: 23471146

Ion Ratio Lower Upper

45 100

46 44.6 16.3 65.3



#15

Acetone

Concen: 15.468 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL036972.D

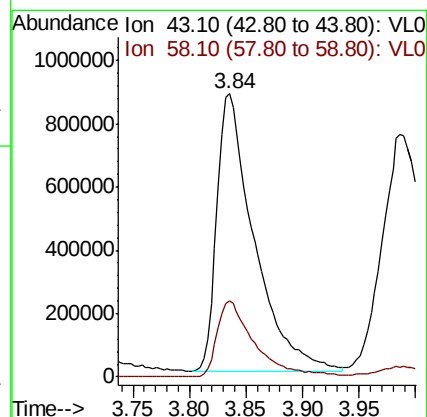
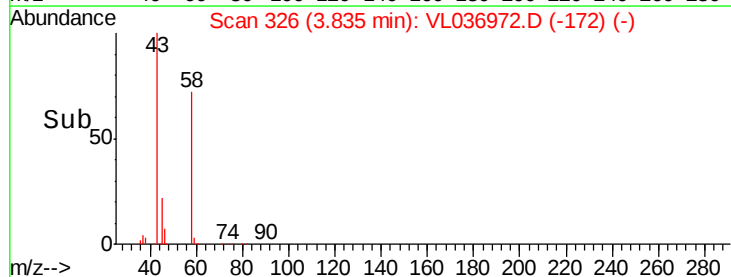
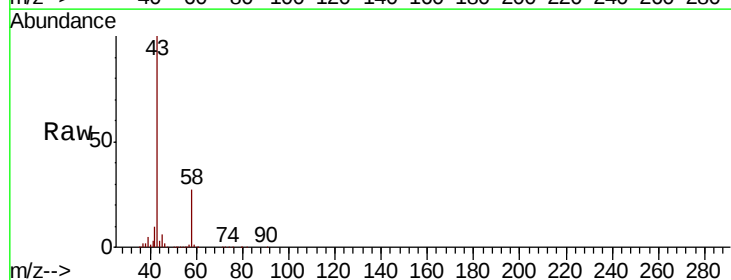
Acq: 18 May 2021 17:05

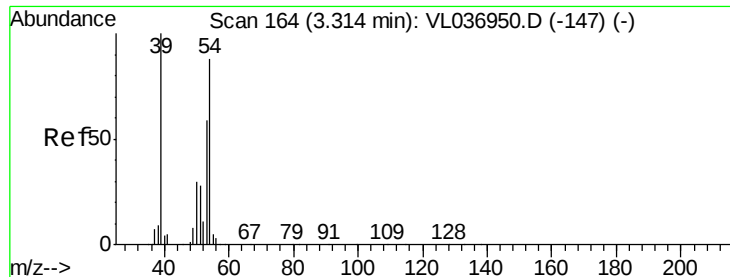
Tgt Ion: 43 Resp: 2036362

Ion Ratio Lower Upper

43 100

58 27.4 24.0 36.0

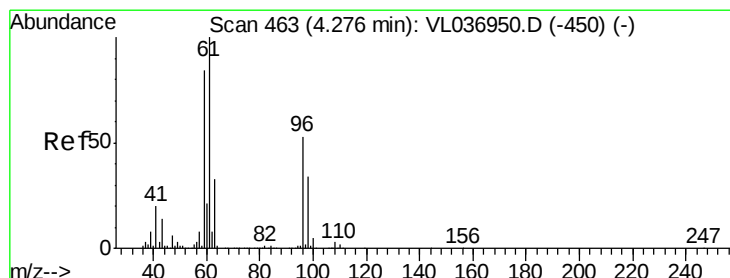
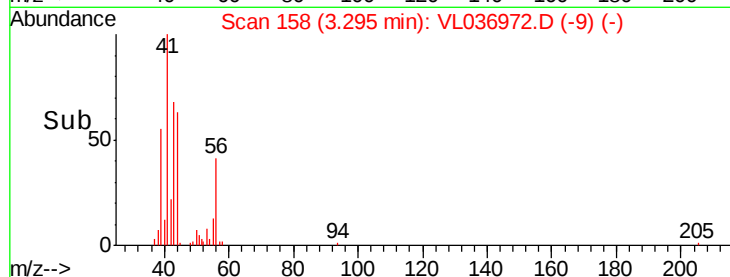
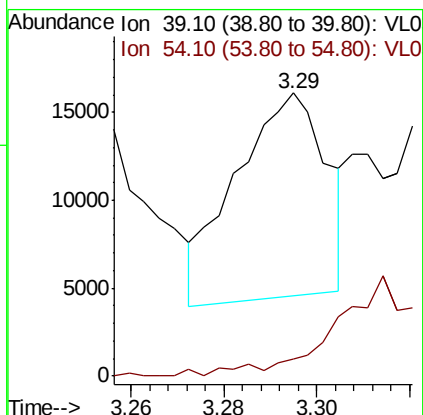
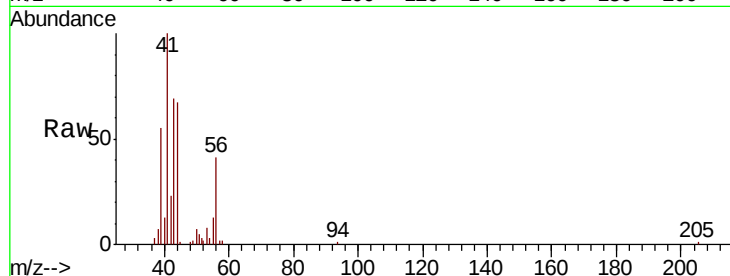




#16
1,3-Butadiene
Concen: 0.193 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.02 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

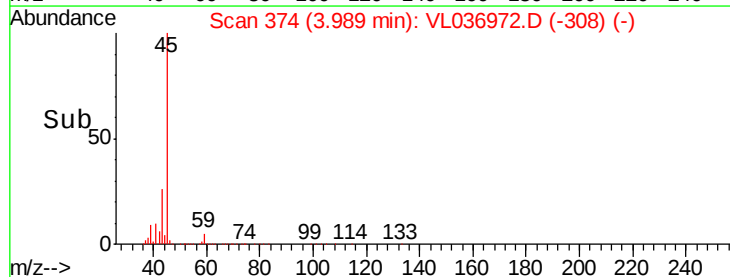
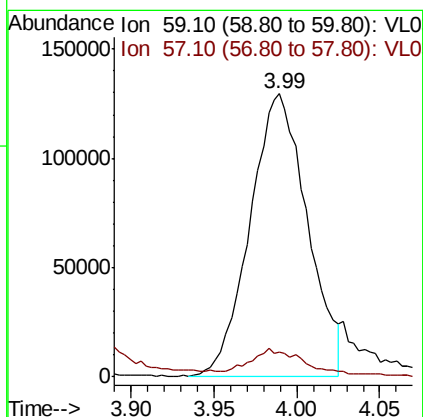
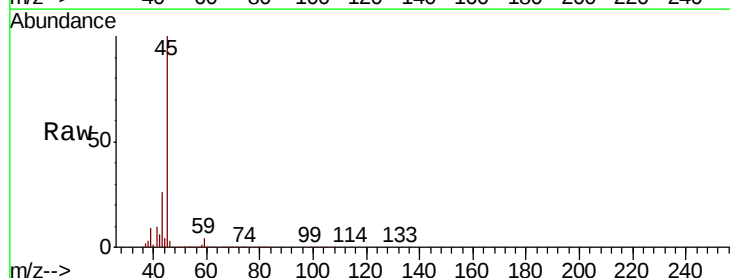
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

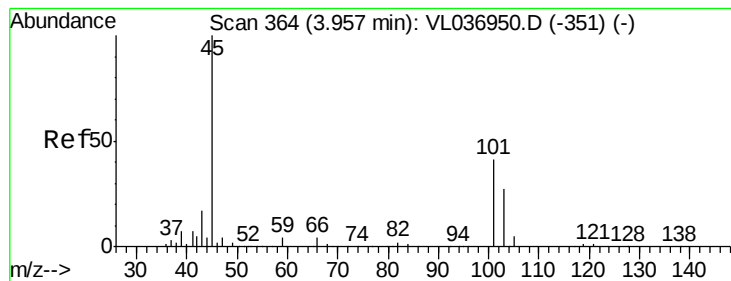
Tot Ion: 39 Resp: 15764
Ion Ratio Lower Upper
39 100
54 85.2 63.2 94.8



#17
tert-Butyl alcohol
Concen: 2.569 ppbv
RT: 3.99 min Scan# 374
Delta R.T. -0.29 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion: 59 Resp: 309797
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5



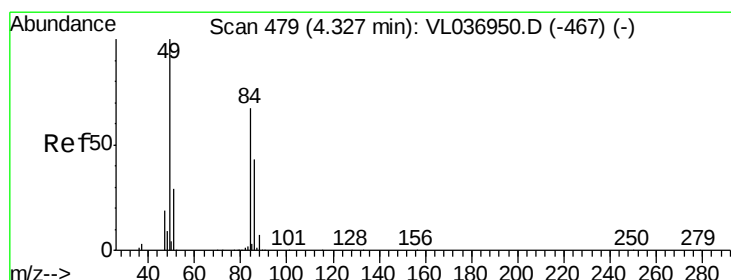
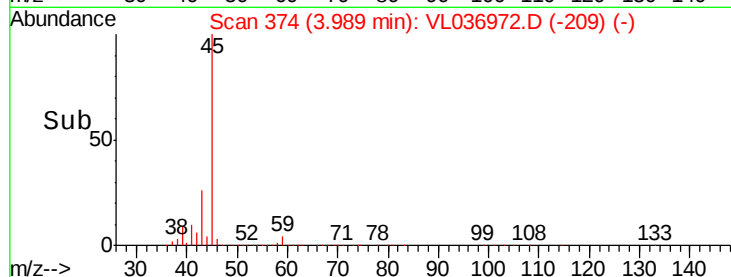
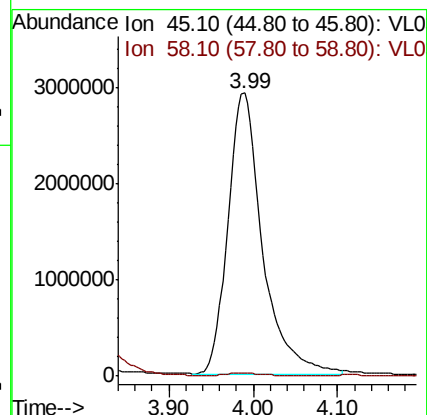
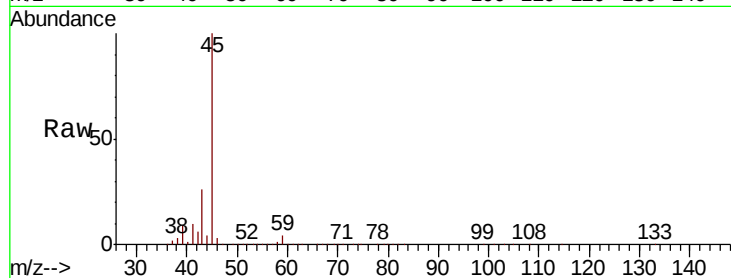


#19

Isopropyl Alcohol
 Concen: 116.970 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. 0.03 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

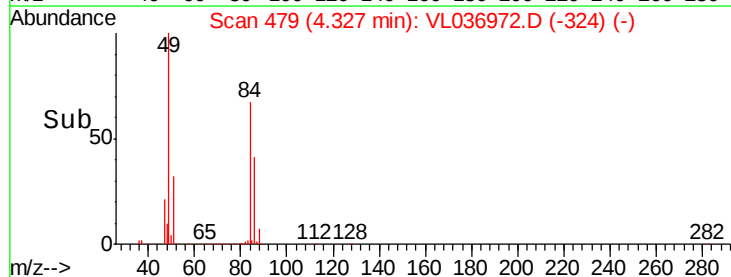
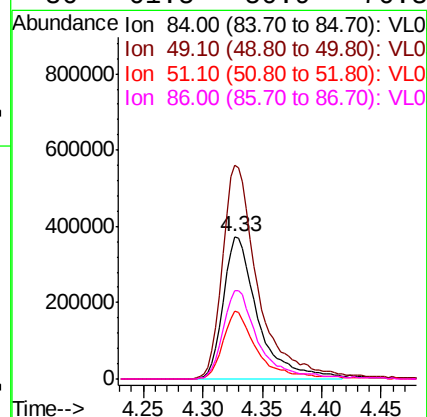
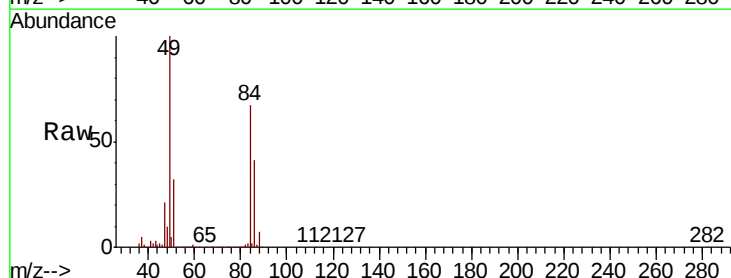
Tot Ion: 45 Resp: 8277682
 Ion Ratio Lower Upper
 45 100
 58 1.3 37.2 55.8#

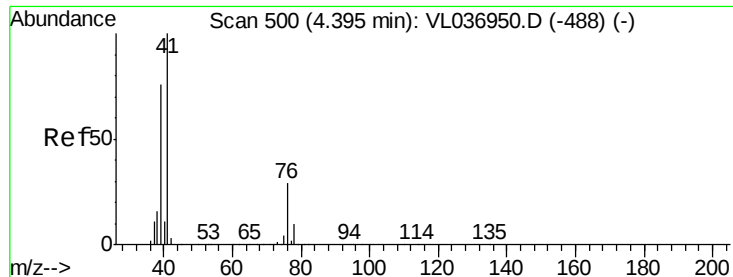


#20

Methylene Chloride
 Concen: 10.626 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

Tgt Ion: 84 Resp: 749893
 Ion Ratio Lower Upper
 84 100
 49 149.8 119.8 179.6
 51 47.3 35.1 52.7
 86 61.5 50.9 76.3

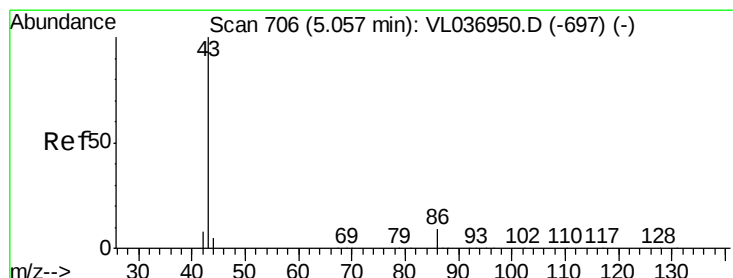
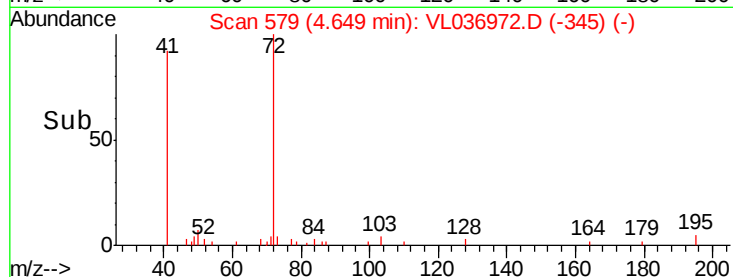
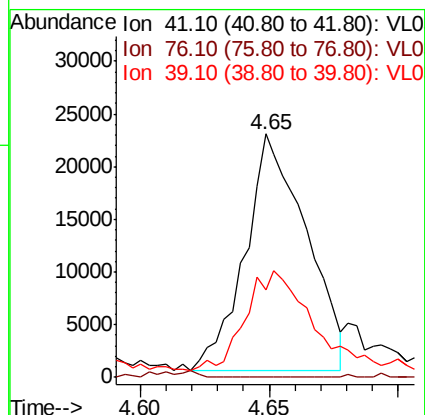
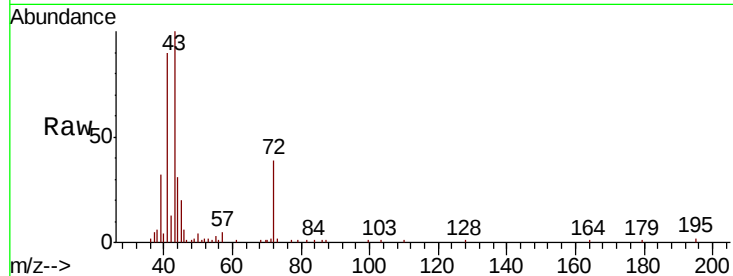




#21
Allvl Chloride
Concen: 0.374 ppbv
RT: 4.65 min Scan# 579
Delta R.T. 0.25 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

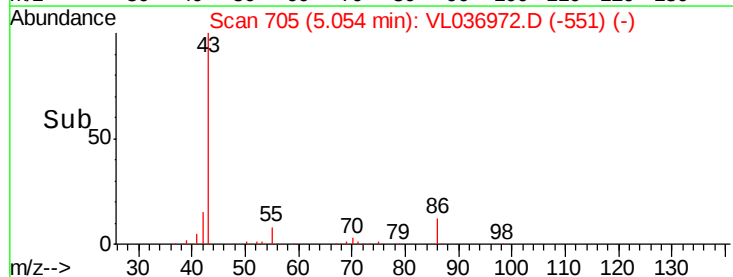
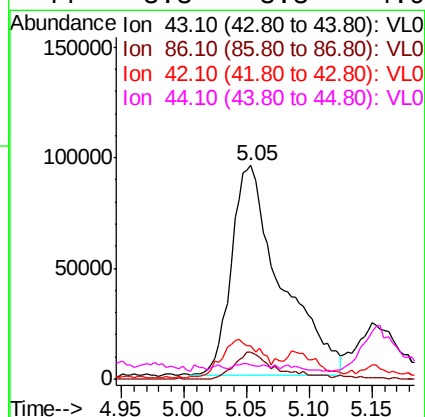
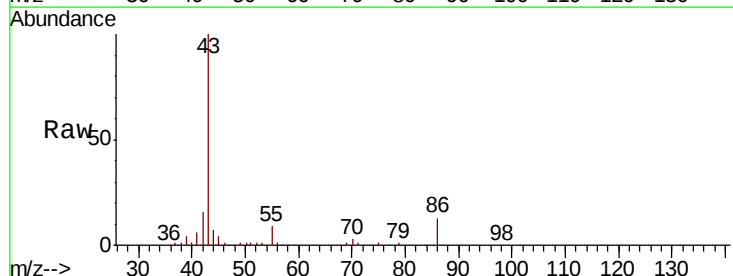
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

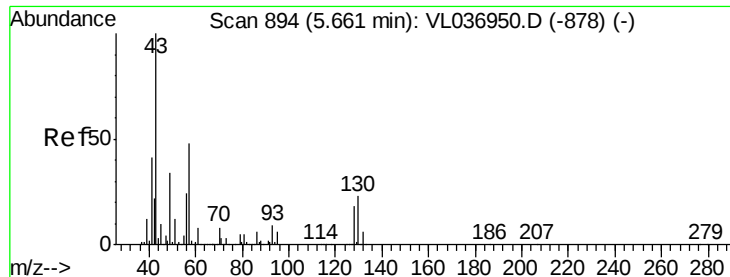
Tot Ion: 41 Resp: 37179
Ion Ratio Lower Upper
41 100
76 35.8 24.9 37.3
39 0.0 63.7 95.5#



#23
Vinyl Acetate
Concen: 1.243 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion: 43 Resp: 259703
Ion Ratio Lower Upper
43 100
86 12.8 5.8 8.8#
42 15.0 7.4 11.2#
44 3.3 3.3 4.9





#25

Ethyl Acetate

Concen: 3.185 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleID :

IA1DUP

Tot Ion: 43 Resp: 1007637

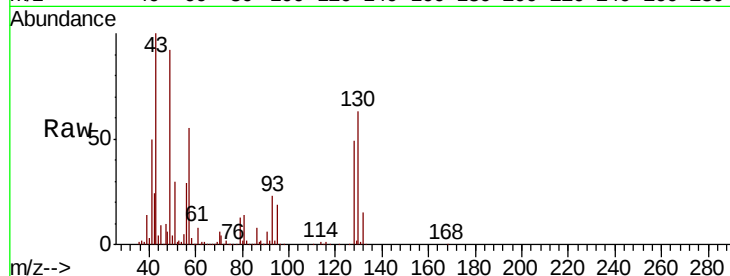
Ion Ratio Lower Upper

43 100

45 8.4 7.8 11.8

61 8.1 7.8 11.8

70 6.1 5.6 8.4

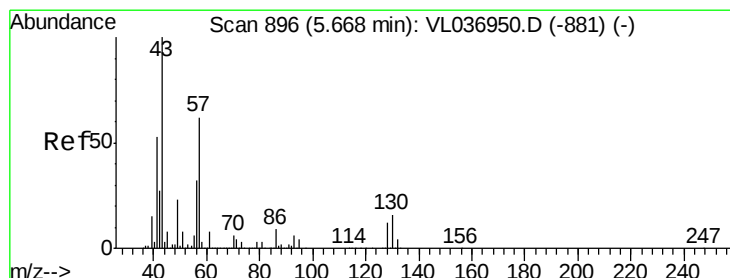
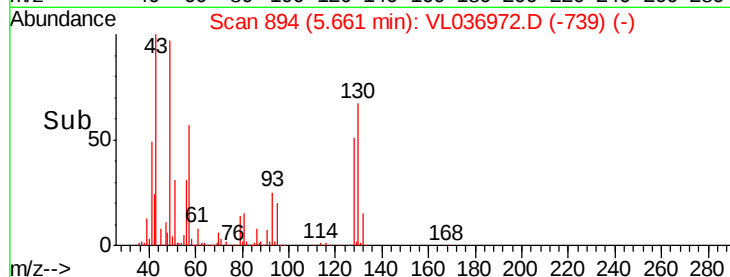
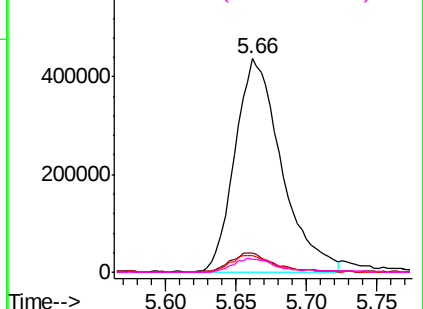


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.073 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Tgt Ion: 57 Resp: 658234

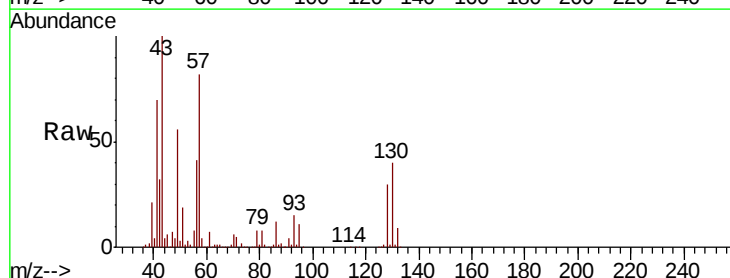
Ion Ratio Lower Upper

57 100

41 88.0 70.5 105.7

43 159.5 165.8 248.8#

56 53.0 42.2 63.4

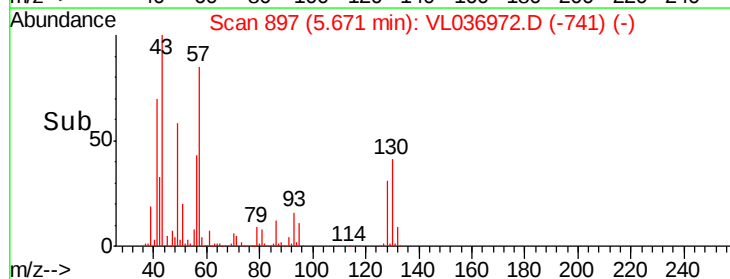
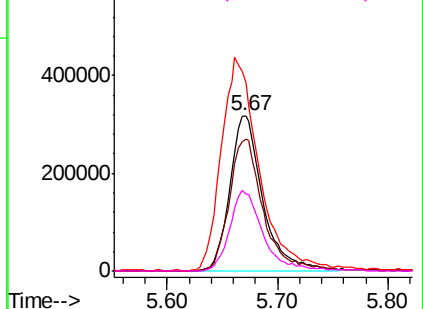


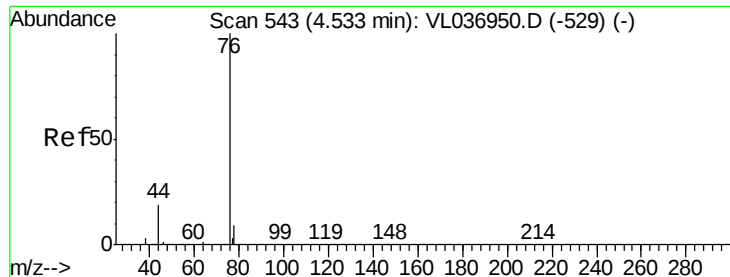
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.034 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

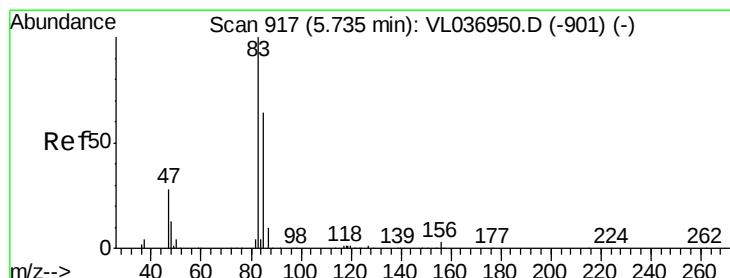
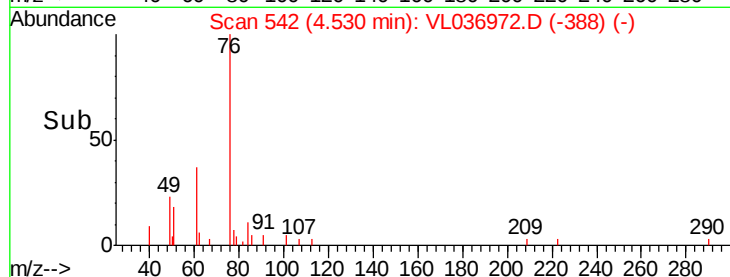
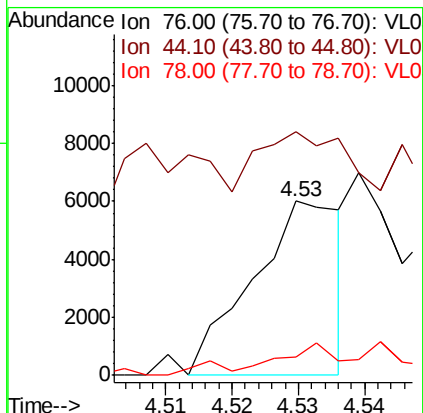
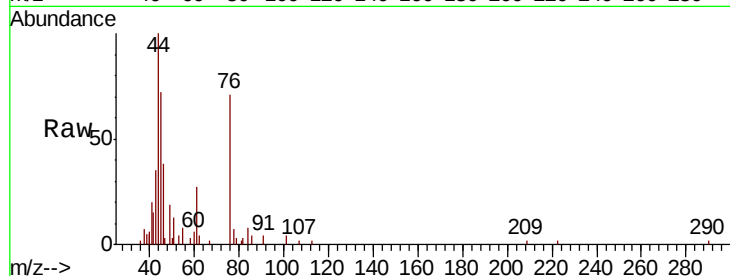
Tot Ion: 76 Resp: 5585

Ion Ratio Lower Upper

76 100

44 145.4 15.5 23.3#

78 0.0 7.8 11.6#



#29

Chloroform

Concen: 0.575 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL036972.D

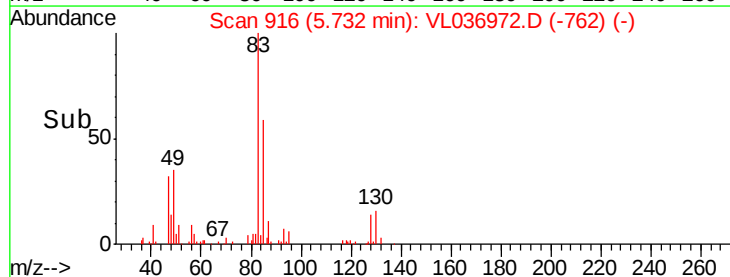
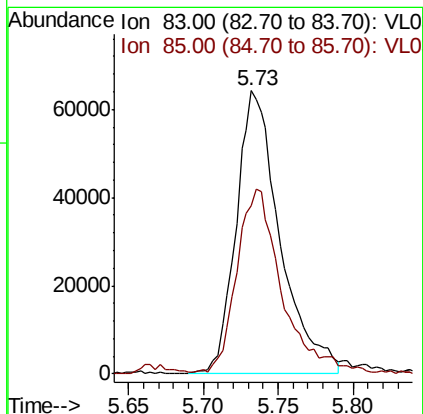
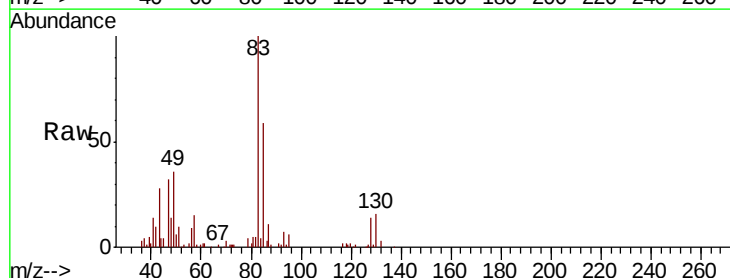
Acq: 18 May 2021 17:05

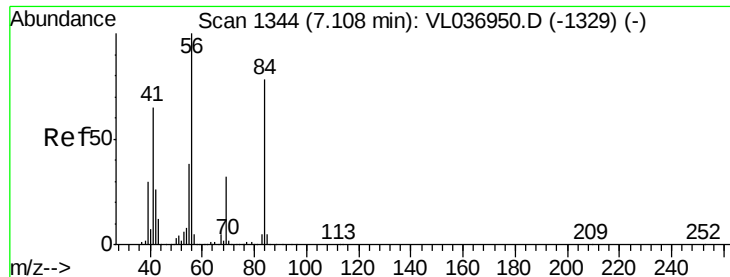
Tgt Ion: 83 Resp: 131250

Ion Ratio Lower Upper

83 100

85 58.6 51.1 76.7

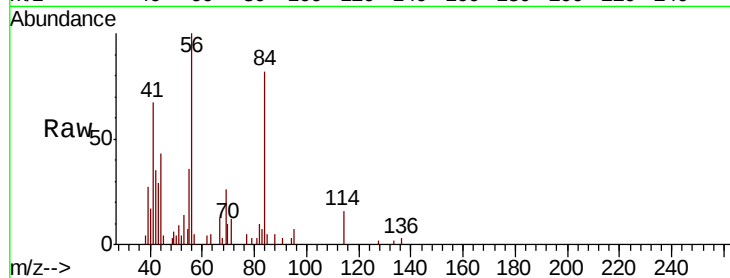




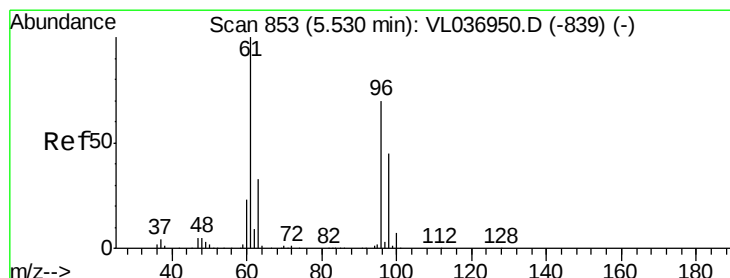
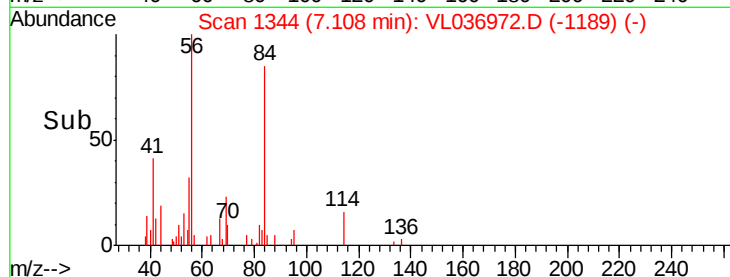
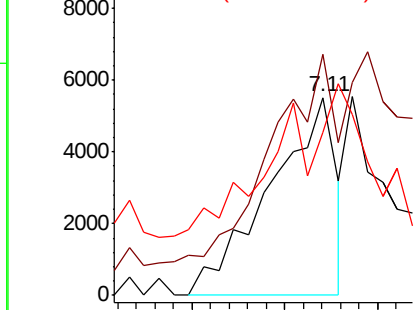
#30
Cyclohexane
Concen: 0.040 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tot Ion: 84 Resp: 5430
Ion Ratio Lower Upper
84 100
56 0.0 107.9 161.9#
41 0.0 65.5 98.3#

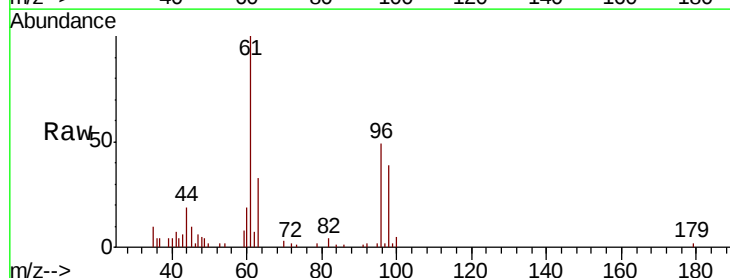


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

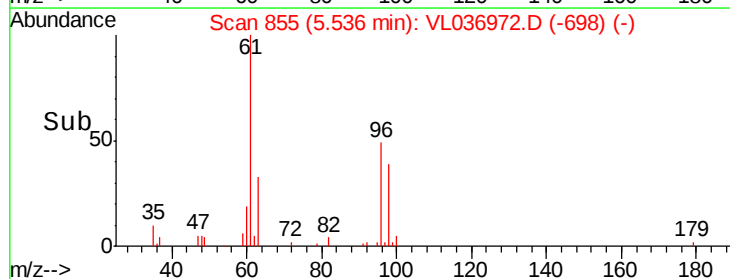
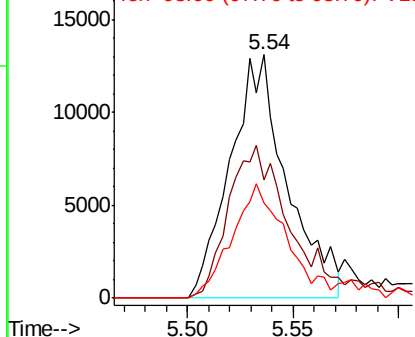


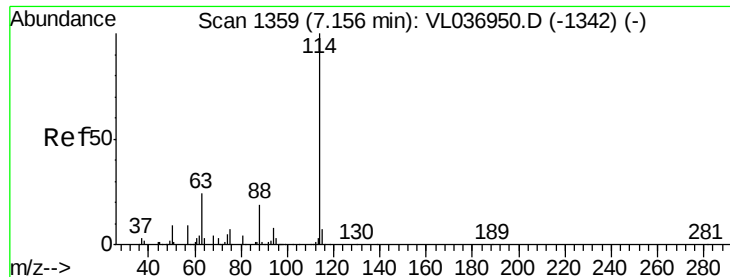
#31
cis-1,2-Dichloroethene
Concen: 0.170 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion: 61 Resp: 24587
Ion Ratio Lower Upper
61 100
96 48.7 55.9 83.9#
98 39.3 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

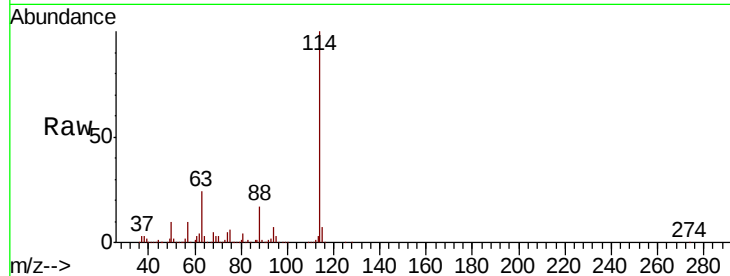




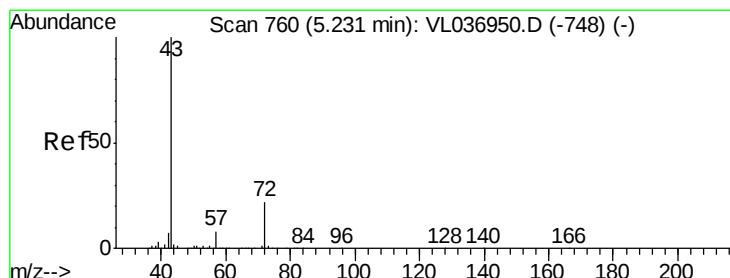
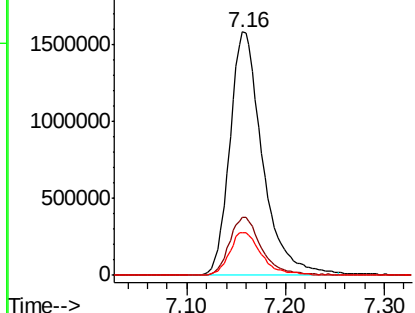
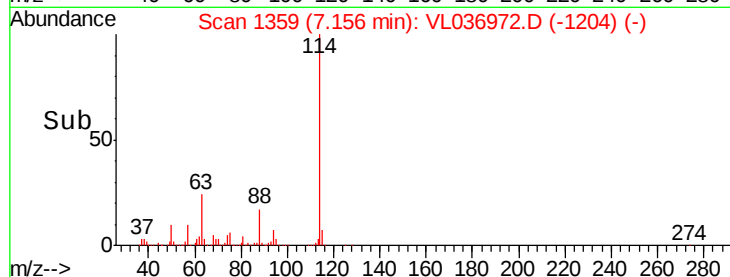
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Tot Ion:114 Resp: 3654678
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.6 29.4
 88 17.6 14.6 21.8

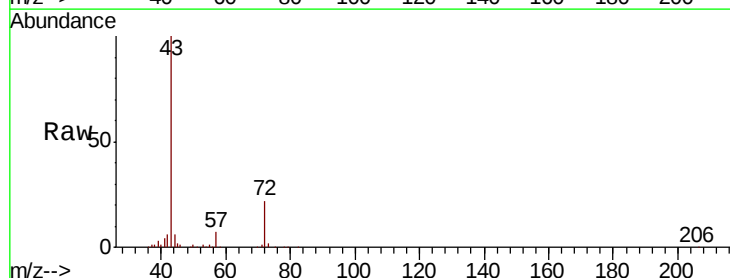


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

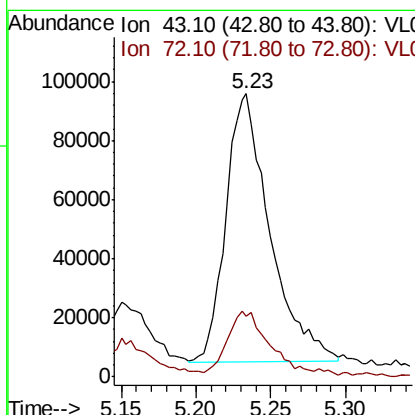
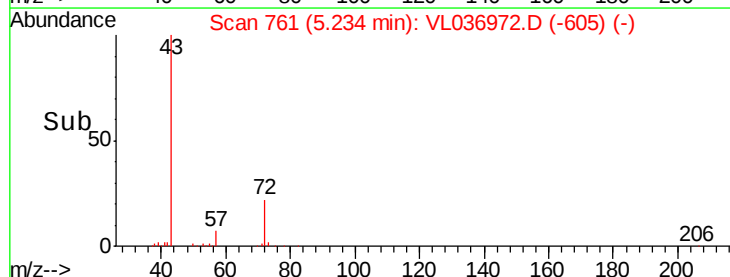


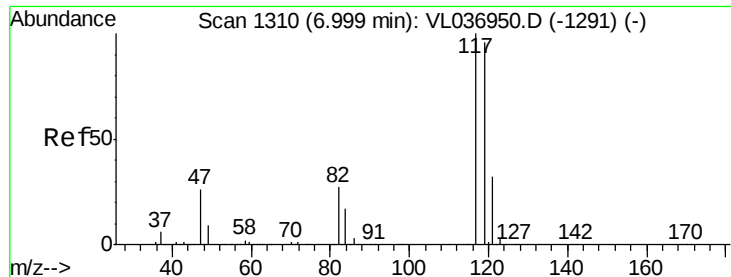
#34
 2-Butanone
 Concen: 1.394 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

Tgt Ion: 43 Resp: 185560
 Ion Ratio Lower Upper
 43 100
 72 25.8 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.065 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

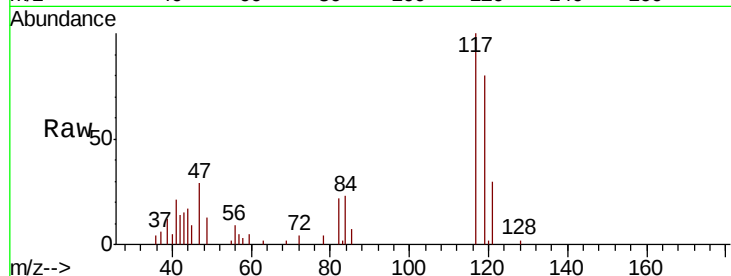
Tot Ion:117 Resp: 15774

Ion Ratio Lower Upper

117 100

119 77.5 76.6 114.8

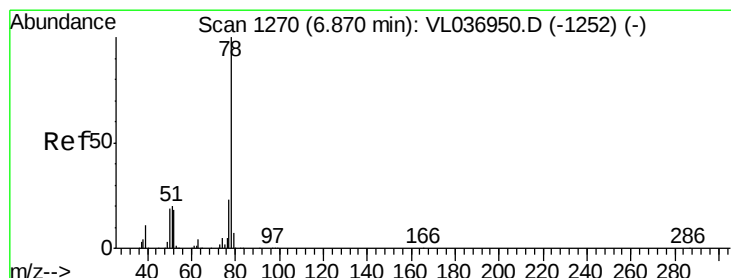
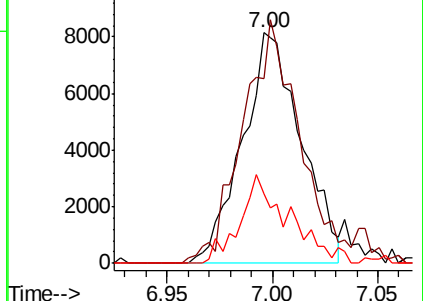
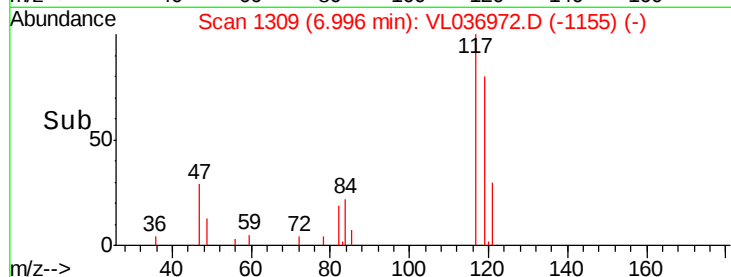
121 30.3 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.323 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

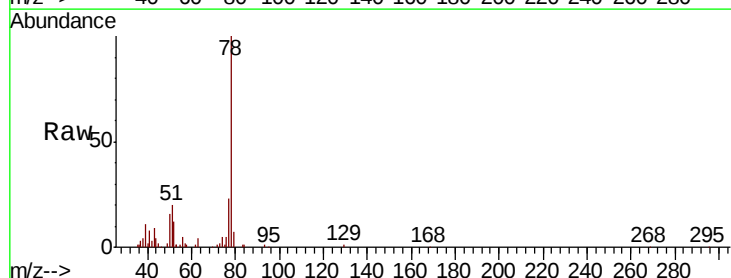
Tgt Ion: 78 Resp: 101766

Ion Ratio Lower Upper

78 100

77 23.1 18.6 28.0

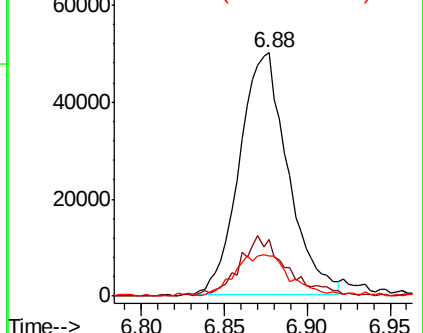
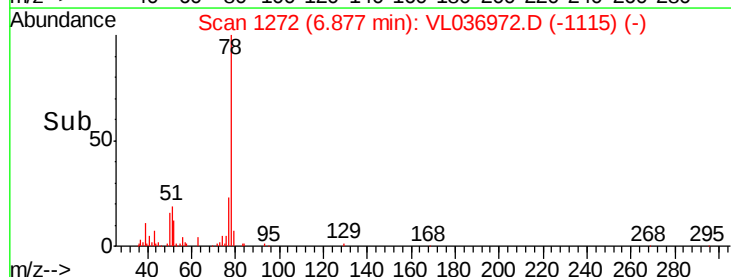
50 15.4 15.0 22.4

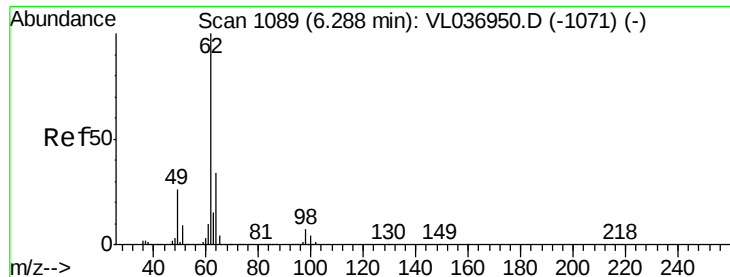


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

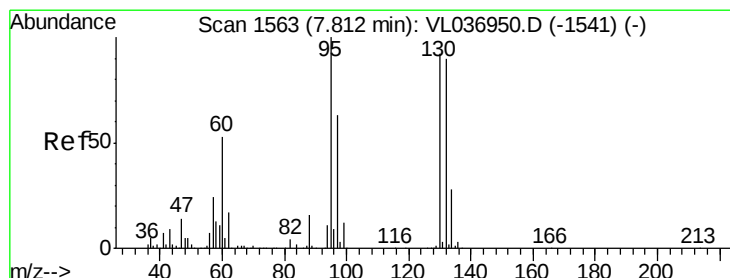
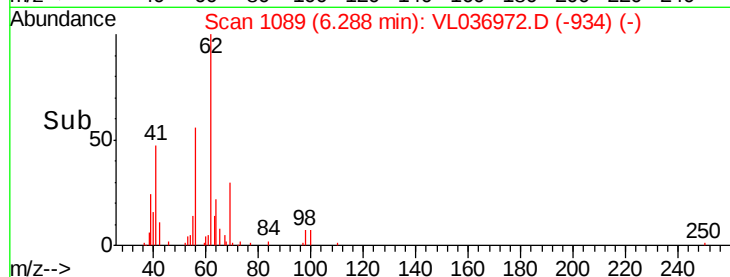
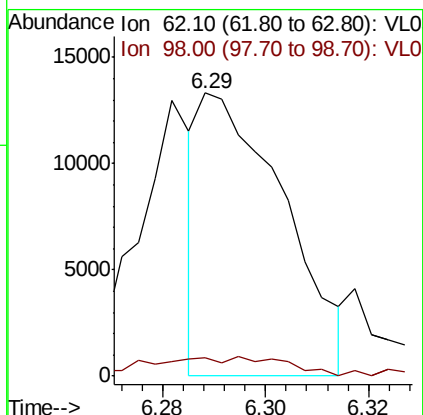
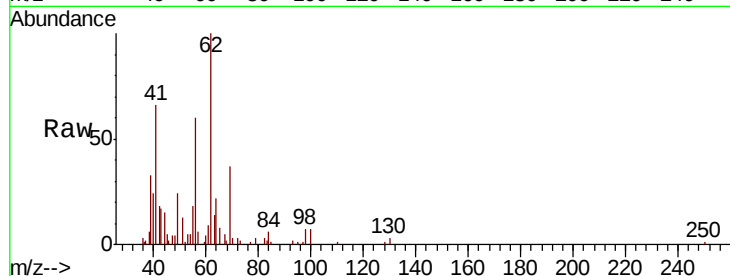




#37
 1,2-Dichloroethane
 Concen: 0.097 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

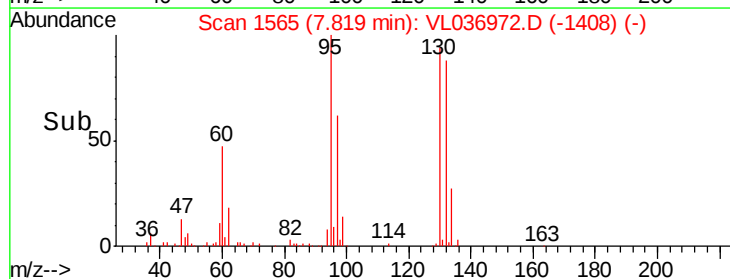
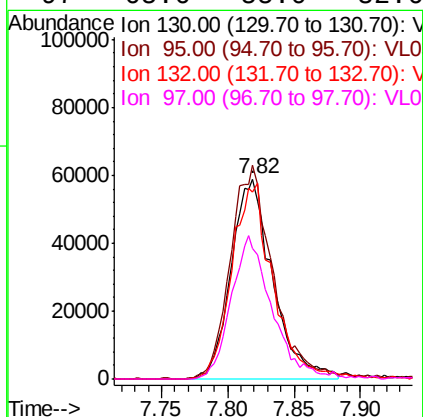
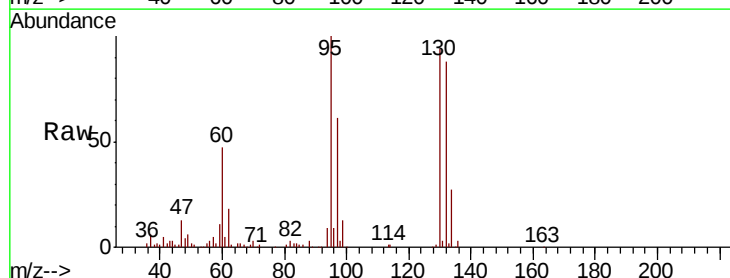
Instrument :
 MSVOA_L
 ClientSampleID :
 IA1DUP

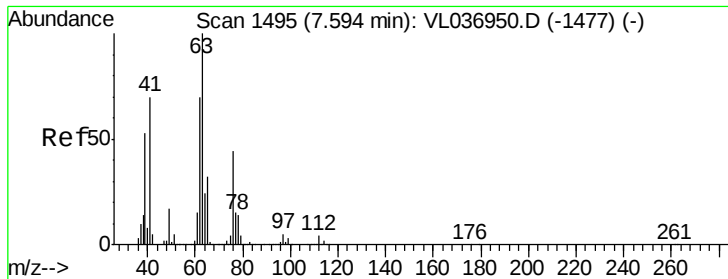
Tot Ion: 62 Resp: 15174
 Ion Ratio Lower Upper
 62 100
 98 11.6 5.5 8.3#



#38
 Trichloroethene
 Concen: 0.953 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

Tgt Ion:130 Resp: 128390
 Ion Ratio Lower Upper
 130 100
 95 106.2 86.9 130.3
 132 93.7 78.4 117.6
 97 65.6 55.0 82.6





#39

1,2-Dichloropropane

Concen: 7.036 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.44 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

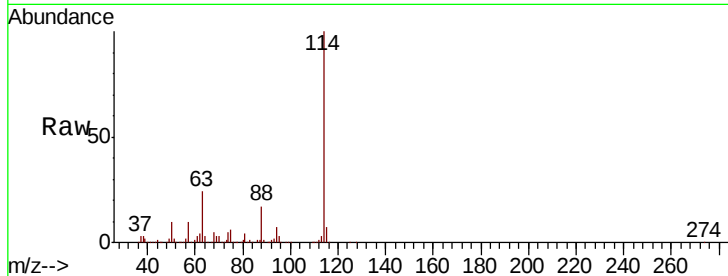
Tot Ion: 63 Resp: 853195

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

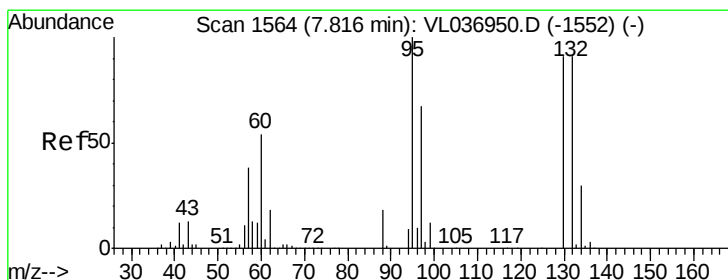
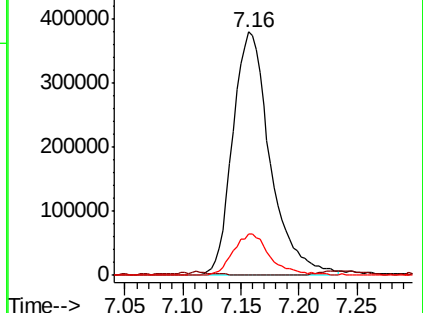
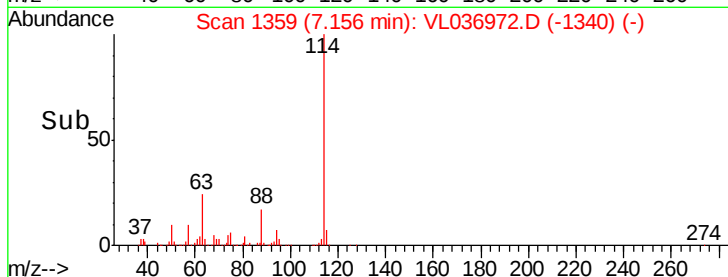
62 17.0 56.2 84.4#



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



#40

1,4-Dioxane

Concen: 0.110 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Tgt Ion: 88 Resp: 3137

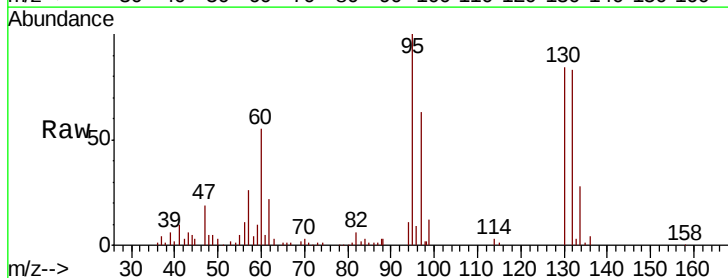
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

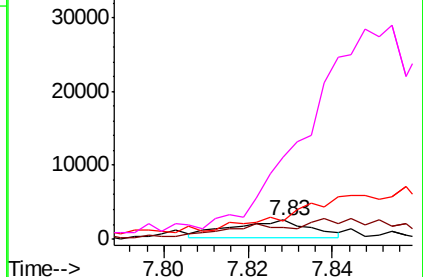
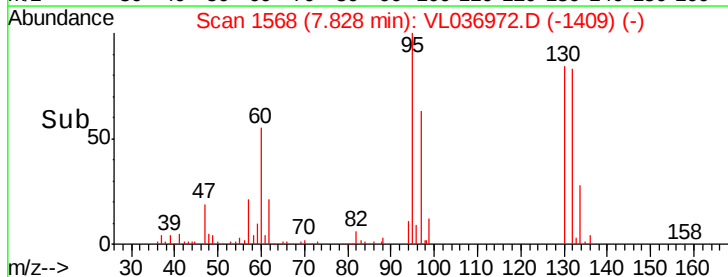


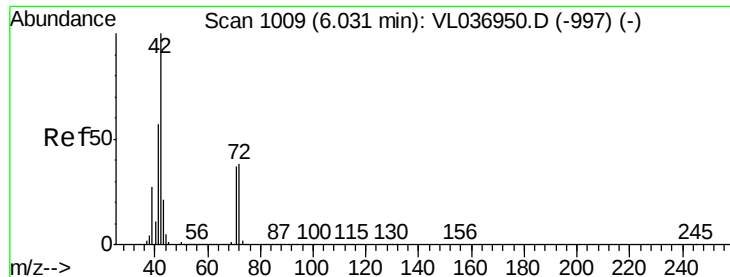
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.436 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleID :

IA1DUP

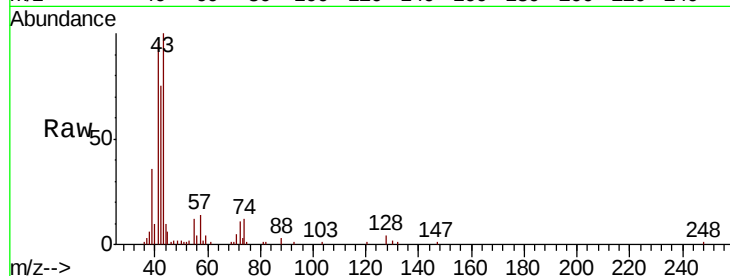
Tot Ion: 42 Resp: 33070

Ion Ratio Lower Upper

42 100

72 33.2 31.4 47.2

71 13.4 30.4 45.6#

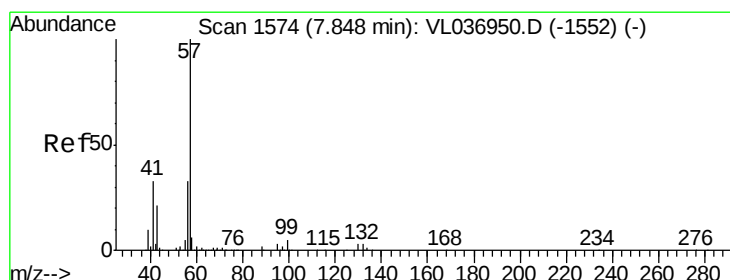
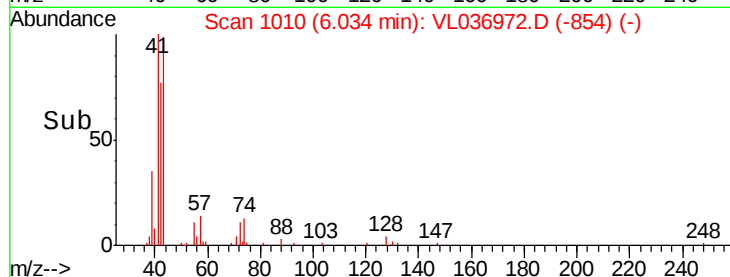
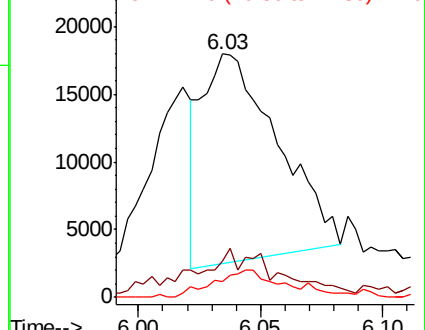


Abundance

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: 0.118 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

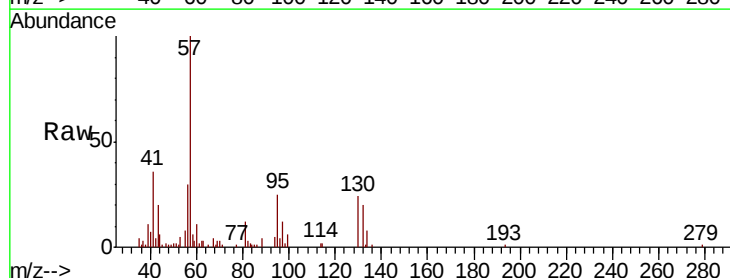
Tgt Ion: 57 Resp: 63673

Ion Ratio Lower Upper

57 100

41 45.2 27.0 40.4#

56 44.7 25.4 38.2#

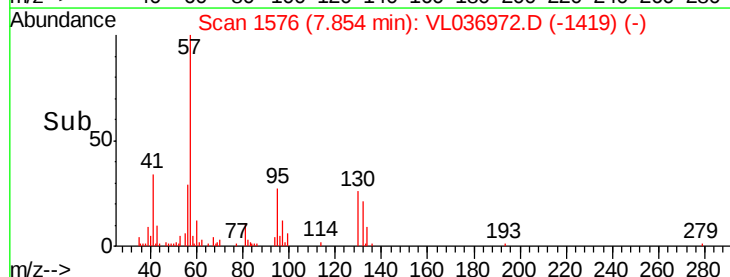
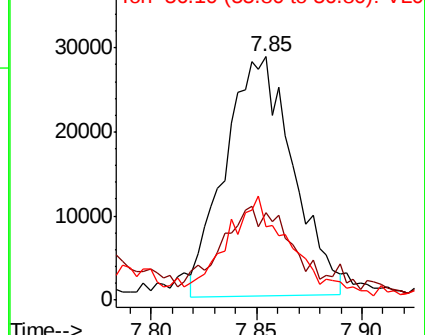


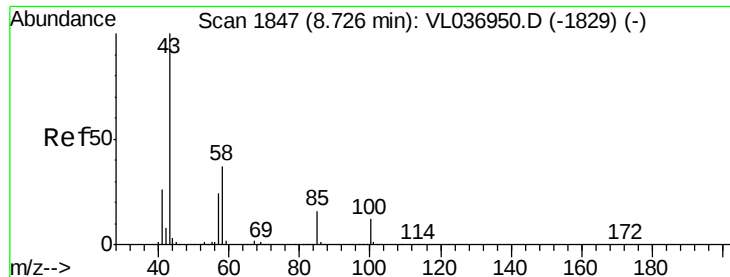
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

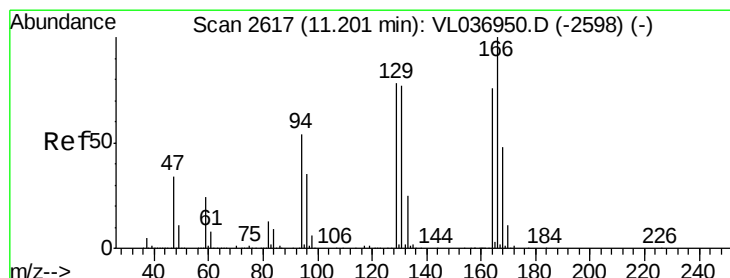
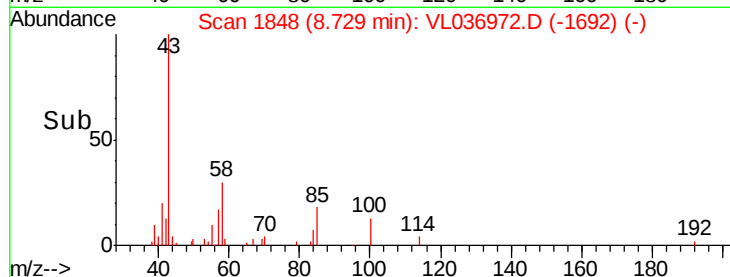
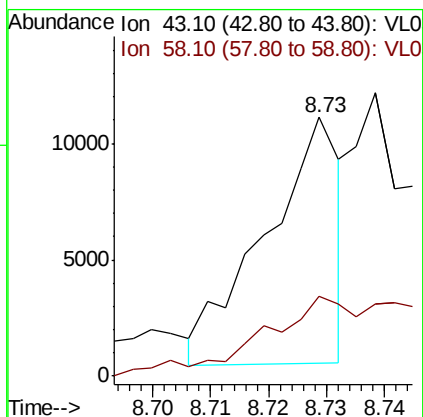
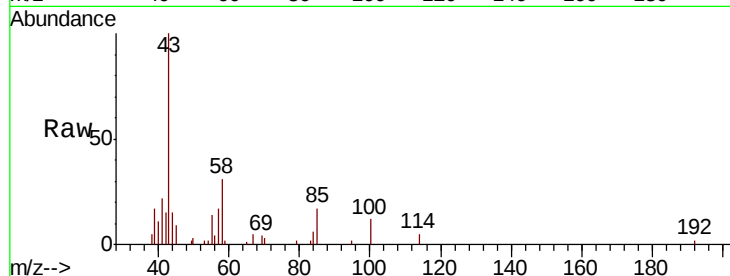




#50
4-Methyl-2-Pentanone
Concen: 0.043 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

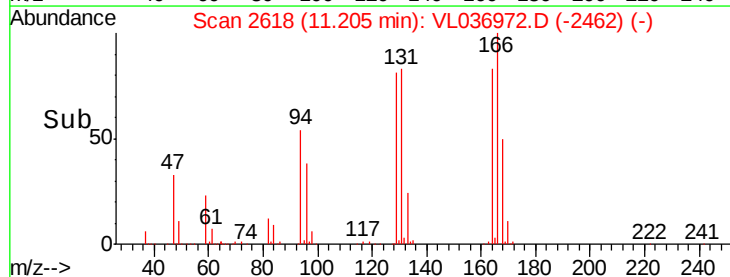
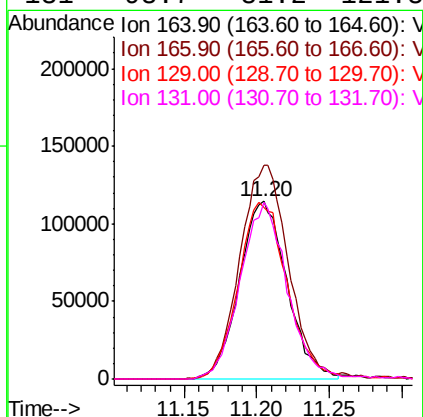
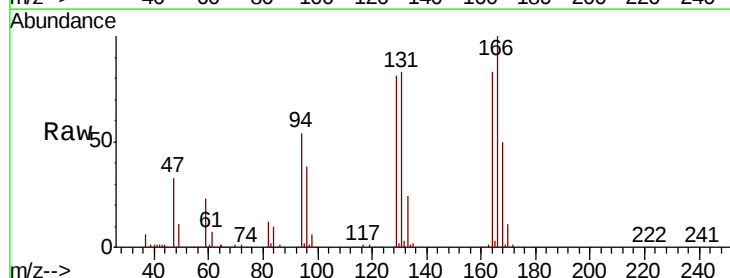
Instrument :
MSVOA_L
ClientSampleID :
IA1DUP

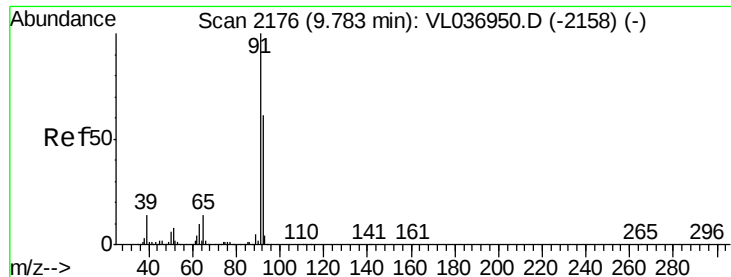
Tot Ion: 43 Resp: 9524
Ion Ratio Lower Upper
43 100
58 106.7 29.4 44.2#



#52
Tetrachloroethene
Concen: 2.091 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion: 164 Resp: 261765
Ion Ratio Lower Upper
164 100
166 119.6 105.5 158.3
129 96.8 81.8 122.8
131 98.7 81.2 121.8





#53

Toluene

Concen: 0.693 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

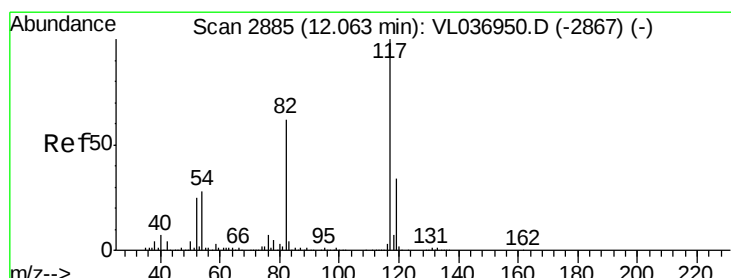
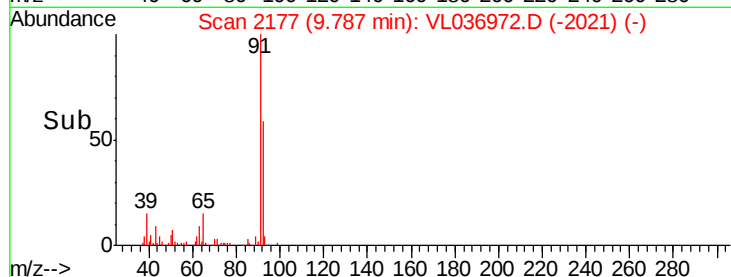
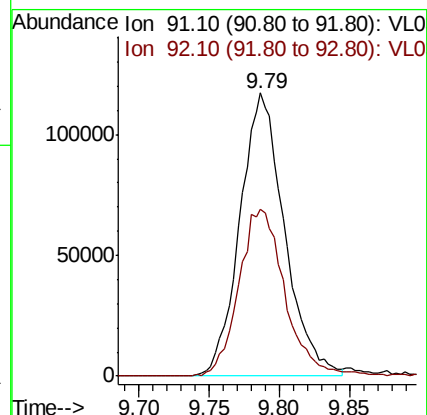
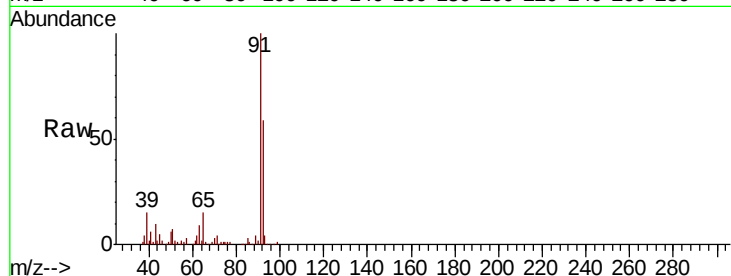
IA1DUP

Tot Ion: 91 Resp: 259566

Ion Ratio Lower Upper

91 100

92 61.3 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: VL036972.D

Acq: 18 May 2021 17:05

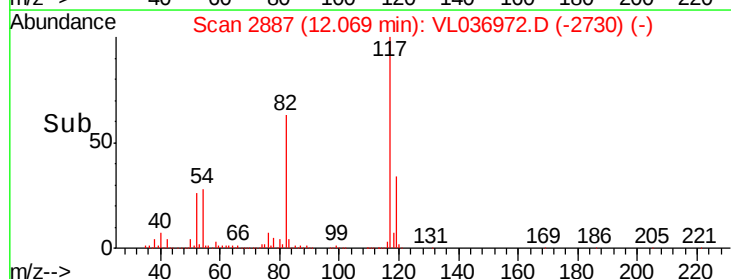
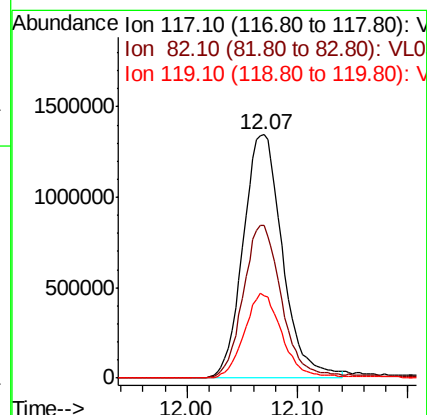
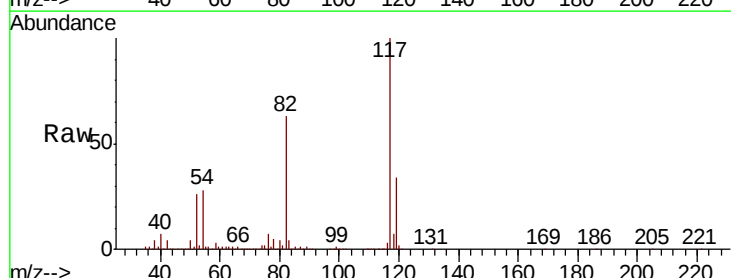
Tgt Ion: 117 Resp: 3330727

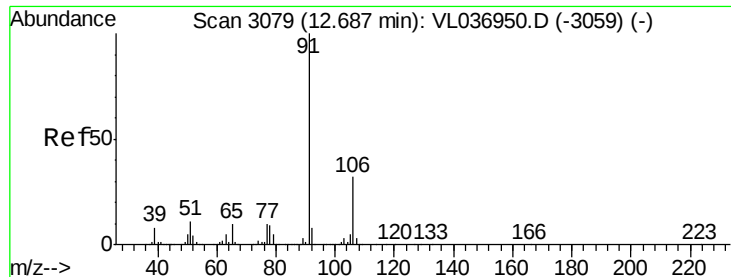
Ion Ratio Lower Upper

117 100

82 64.2 52.6 79.0

119 34.2 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.067 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036972.D

Acq: 18 May 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

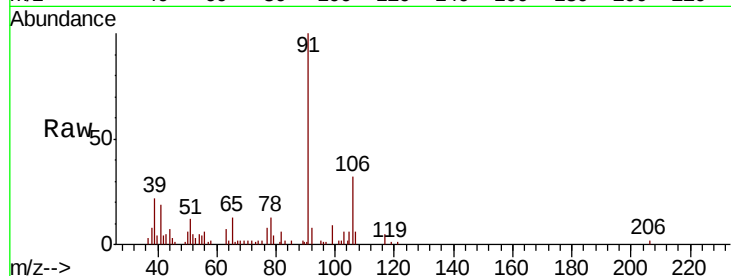
IA1DUP

Tot Ion: 91 Resp: 31496

Ion Ratio Lower Upper

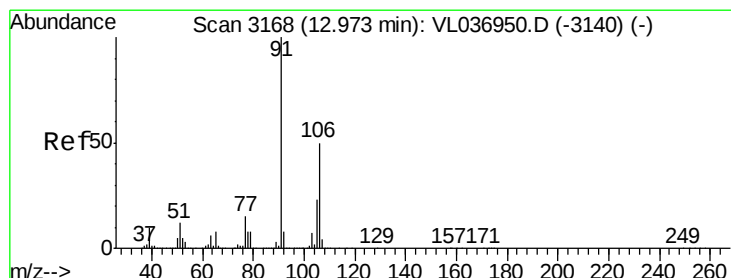
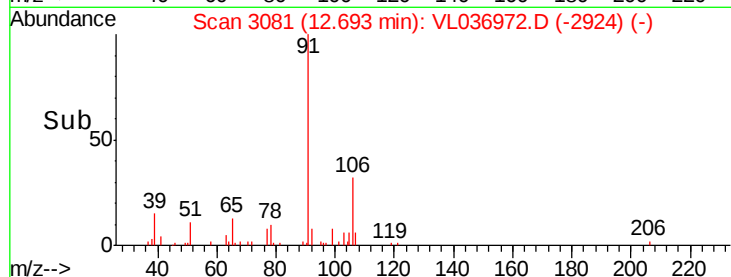
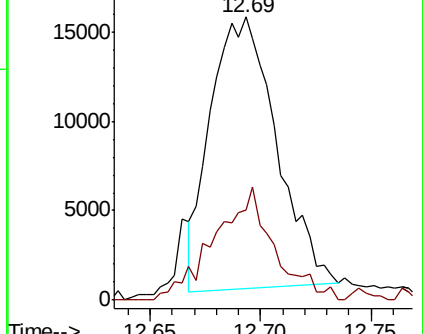
91 100

106 33.6 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.034 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VL036972.D

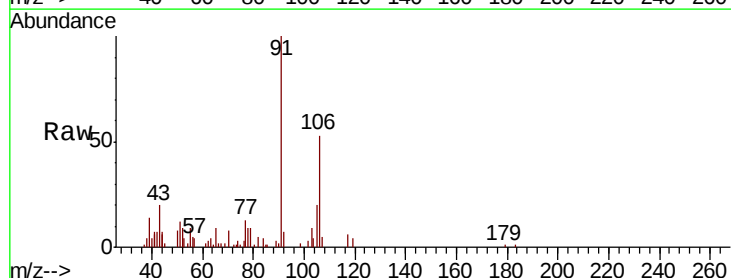
Acq: 18 May 2021 17:05

Tgt Ion: 91 Resp: 13298

Ion Ratio Lower Upper

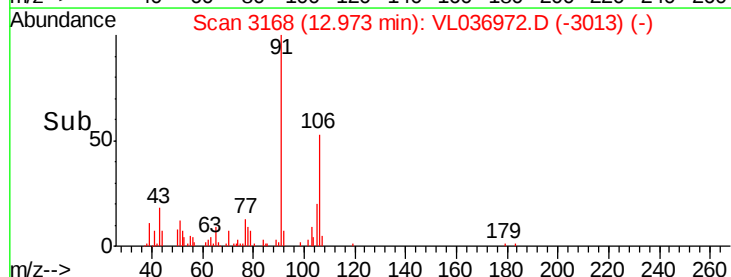
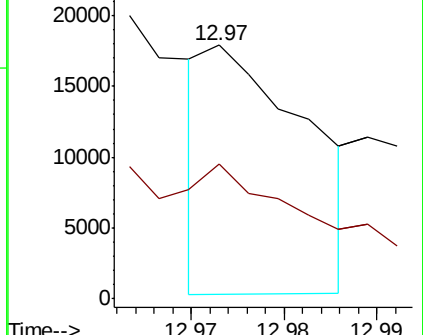
91 100

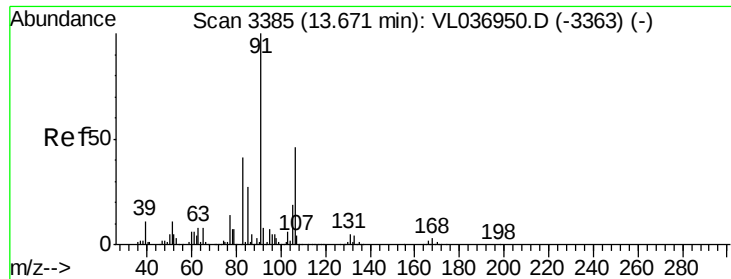
106 0.0 37.4 56.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

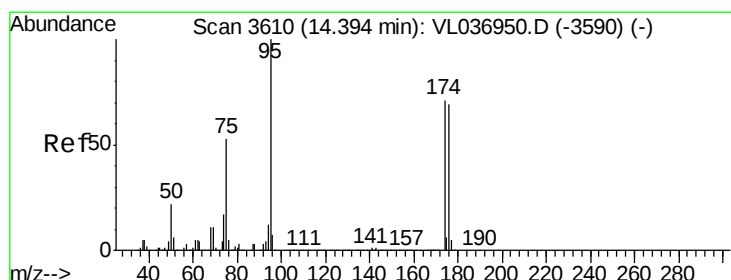
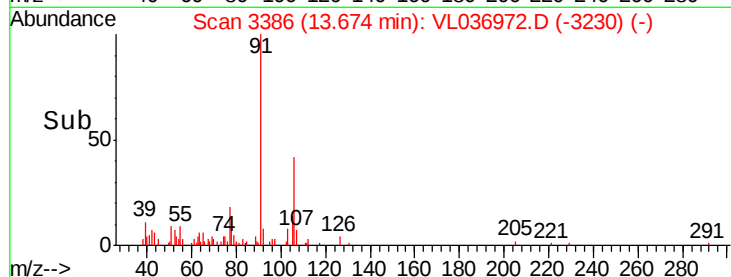
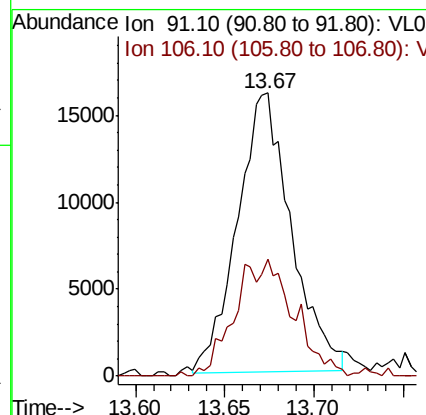
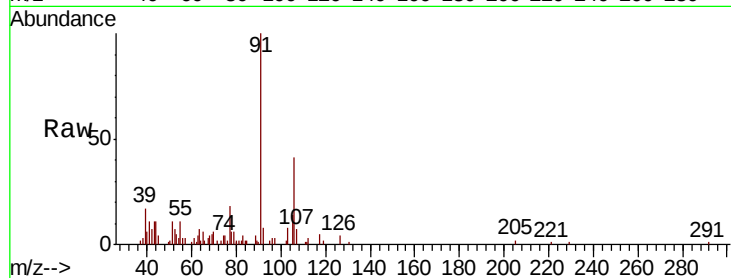




#60
o-Xylene
Concen: 0.091 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

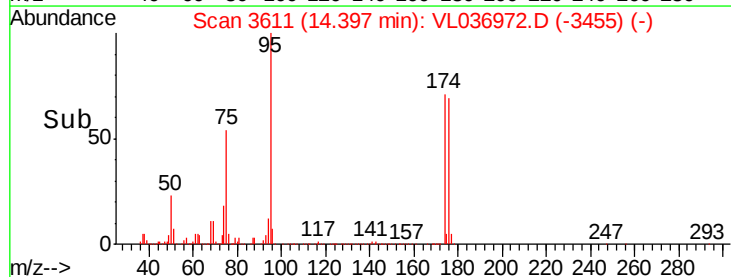
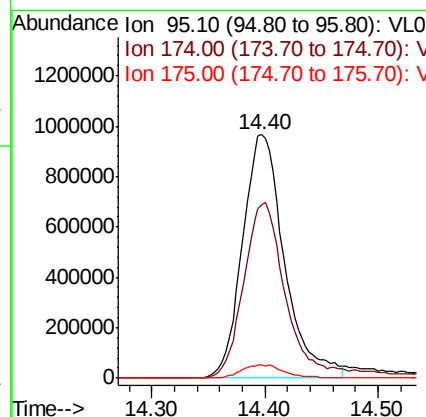
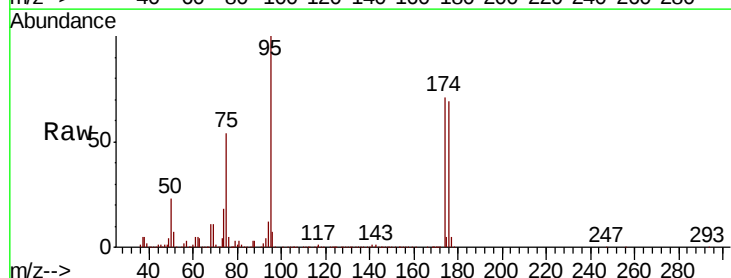
Instrument :
MSVOA_L
ClientSampleID :
IA1DUP

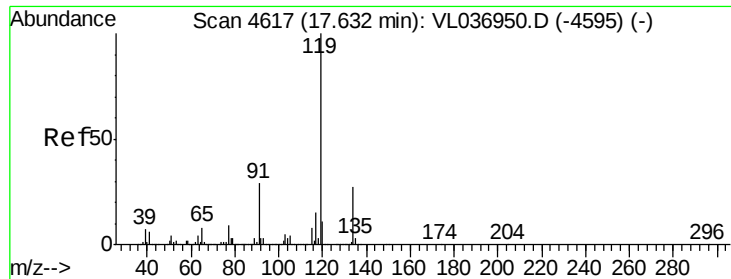
Tot Ion: 91 Resp: 33798
Ion Ratio Lower Upper
91 100
106 46.9 23.4 70.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.970 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion: 95 Resp: 2494674
Ion Ratio Lower Upper
95 100
174 76.7 58.4 87.6
175 5.6 4.4 6.6

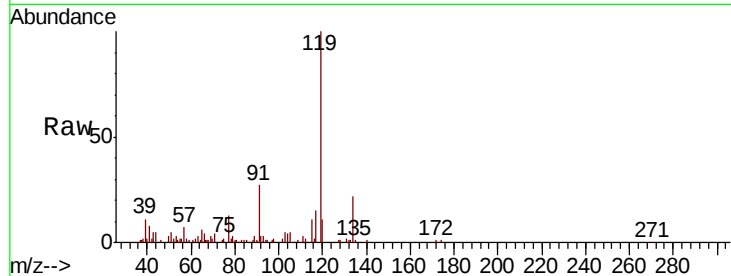




#69
p-Isopropyltoluene
Concen: 0.152 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.2	21.2	31.8
91	32.3	22.2	33.4

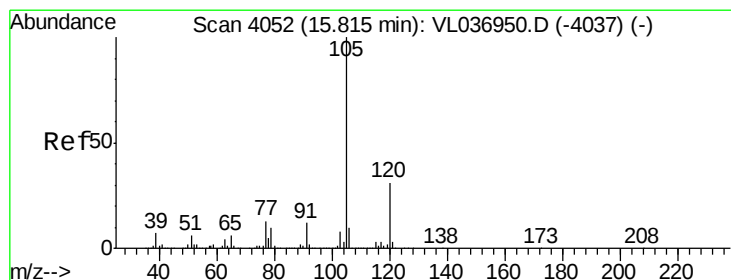
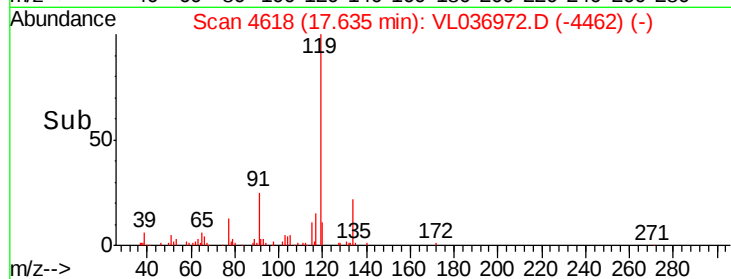
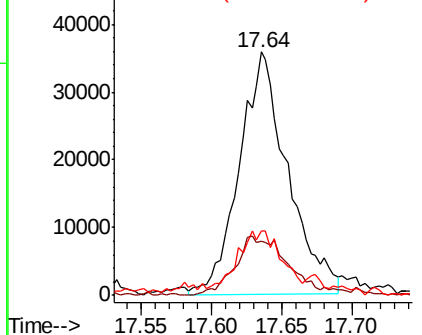


Abundance

Ion 119.10 (118.80 to 119.80): V

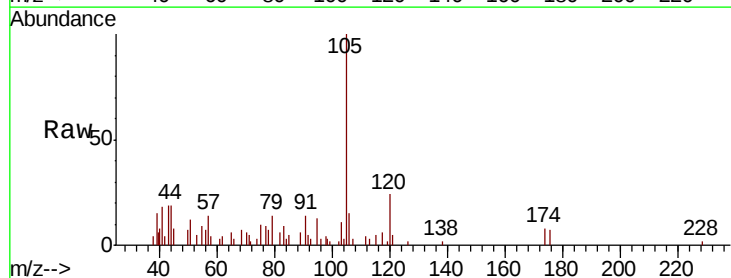
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0



#72
4-Ethyltoluene
Concen: 0.033 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. 0.00 min
Lab File: VL036972.D
Acq: 18 May 2021 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.6	37.0#
91	0.0	9.8	14.6#
77	26.7	10.4	15.6#



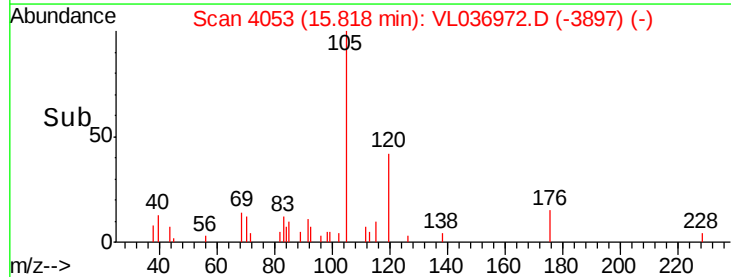
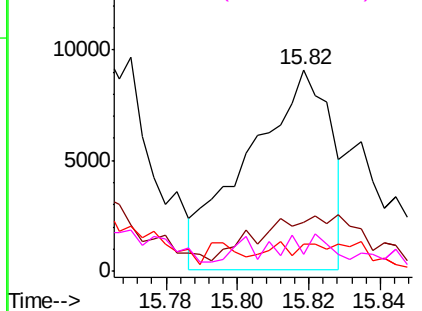
Abundance

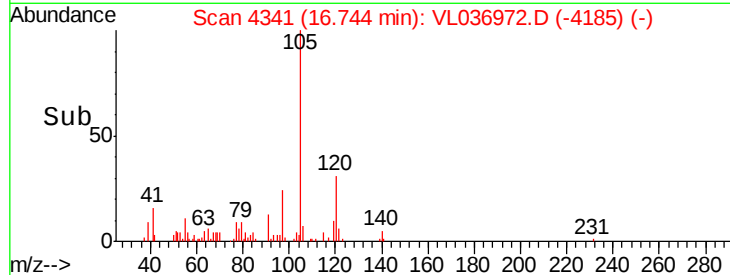
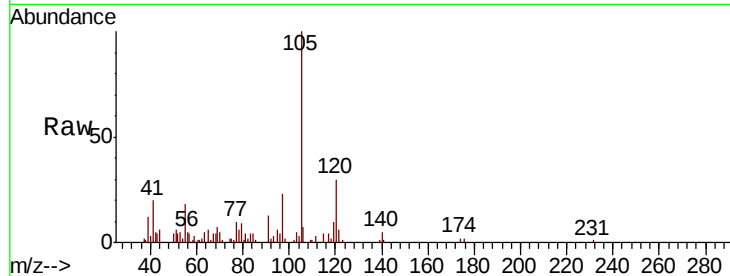
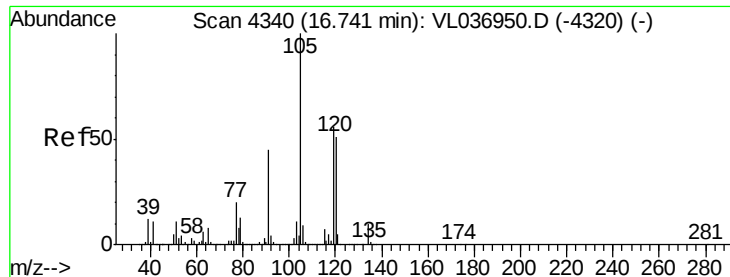
Ion 105.10 (104.80 to 105.80): V

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





#74
 1,2,4-Trimethylbenzene
 Concen: 0.054 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL036972.D
 Acq: 18 May 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Tot Ion:	105	Resp:	22898
Ion Ratio	Lower	Upper	
105	100		
120	23.2	40.6	61.0#
91	11.9	37.4	56.0#
77	5.4	16.2	24.4#

