

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036999.D
 Acq On : 19 May 2021 19:47
 Operator : SY/AP
 Sample : M2424-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

Quant Time: May 20 06:31:45 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	1108130	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3427257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3307461	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2584380	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	32880	0.175 ppbv	93
3) Chlorodifluoromethane	2.97	51	61152	0.301 ppbv #	88
4) Chloromethane	3.12	50	104622	1.514 ppbv	91
7) Chloroethane	3.55	64	1424	0.058 ppbv #	77
9) Propene	3.00	41	303354	4.173 ppbv	99
10) Heptane	8.10	43	1465373	8.089 ppbv	100
11) Trichlorofluoromethane	3.93	101	70627	0.406 ppbv	97
13) Ethanol	3.59	45	1010461	104.179 ppbv	92
15) Acetone	3.83	43	14534972	128.059 ppbv #	88
16) 1,3-Butadiene	3.33	39	106884	1.516 ppbv #	10
17) tert-Butyl alcohol	4.29	59	235511	2.265 ppbv #	91
19) Isopropyl Alcohol	3.96	45	282660	4.633 ppbv #	30
20) Methylene Chloride	4.33	84	1867559	30.695 ppbv	99
21) Allyl Chloride	4.39	41	3618	0.042 ppbv #	19
23) Vinyl Acetate	5.05	43	110489	0.613 ppbv #	80
25) Ethyl Acetate	5.66	43	1501559	5.505 ppbv #	84
26) Hexane	5.66	57	1811981	13.005 ppbv #	43
27) Carbon Disulfide	4.53	76	114542	0.816 ppbv #	87
29) Chloroform	5.74	83	36411	0.185 ppbv	100
30) Cyclohexane	7.11	84	49764	0.420 ppbv #	1
34) 2-Butanone	5.23	43	1451301	11.629 ppbv	98
36) Benzene	6.87	78	204990	0.694 ppbv	97
39) 1,2-Dichloropropane	7.82	63	9007	0.079 ppbv #	1
40) 1,4-Dioxane	7.82	88	1861	0.069 ppbv #	100
41) Tetrahydrofuran	6.29	42	38129	0.536 ppbv #	37
42) Bromodichloromethane	7.77	83	33863	0.153 ppbv #	27
43) Methyl Methacrylate	8.03	69	32596	0.320 ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	30449	0.060 ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	180781	0.878 ppbv	91
51) 2-Hexanone	10.11	43	408477	3.752 ppbv #	90
53) Toluene	9.78	91	2315276	6.591 ppbv	99
58) Ethyl Benzene	12.68	91	109905	0.235 ppbv	93
59) m/p-Xylene	12.97	91	62680	0.162 ppbv #	30
60) o-Xylene	13.67	91	38543	0.105 ppbv #	57
61) Styrene	13.51	104	71105	0.343 ppbv #	87
62) Isopropylbenzene	14.65	105	23815	0.045 ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	198174	0.721 ppbv #	28
64) n-propylbenzene	15.55	120	6485	0.048 ppbv #	1
65) tert-Butylbenzene	16.74	119	29010	0.061 ppbv #	3
66) Benzyl Chloride	16.97	91	2097	0.079 ppbv #	62
72) 4-Ethyltoluene	15.82	105	42790	0.098 ppbv #	31

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

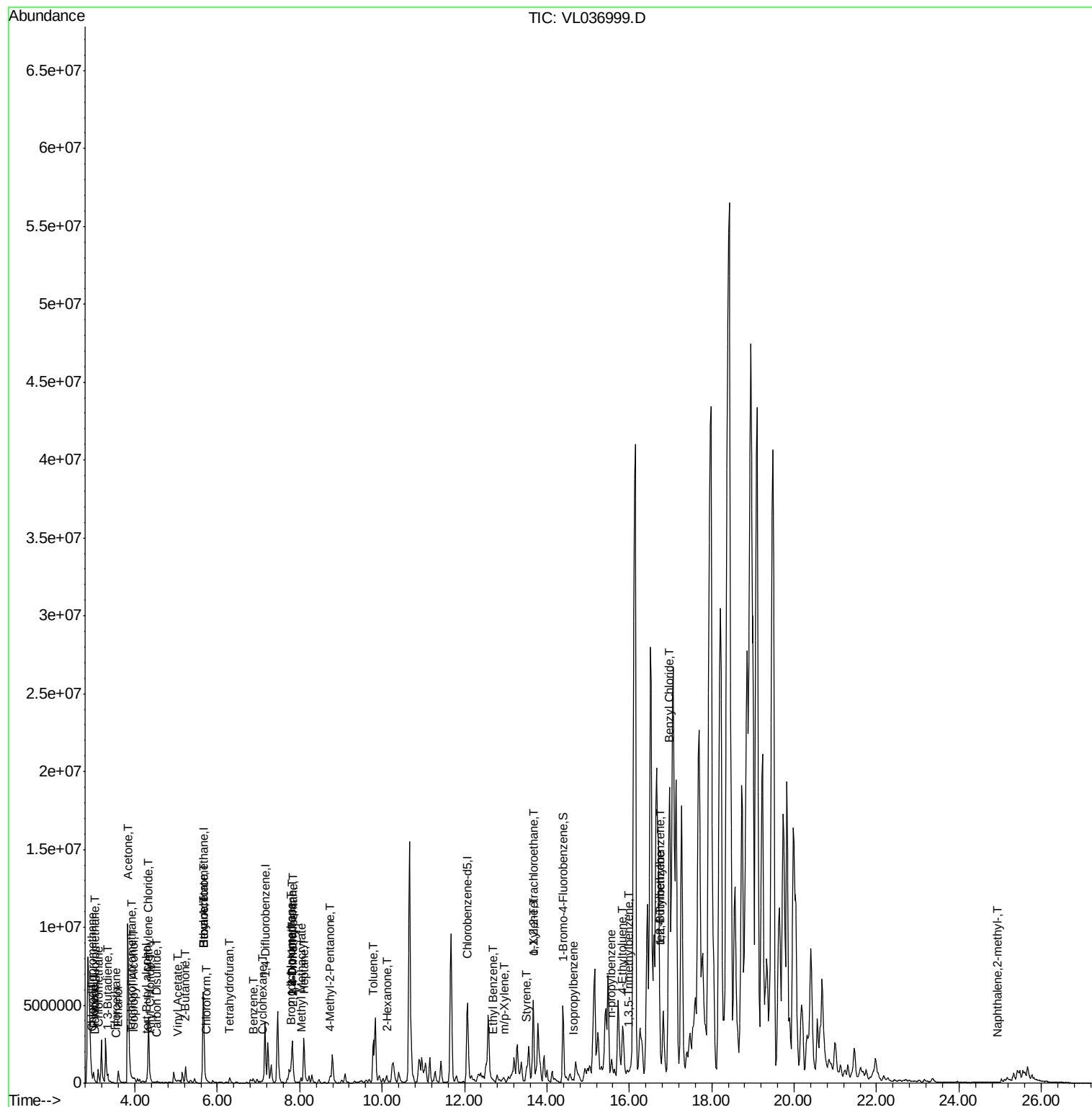
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.98	105	154855	0.378	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	195282	0.460	ppbv #	64
80) Naphthalene,2-methyl-	24.94	142	2431	0.034	ppbv #	56

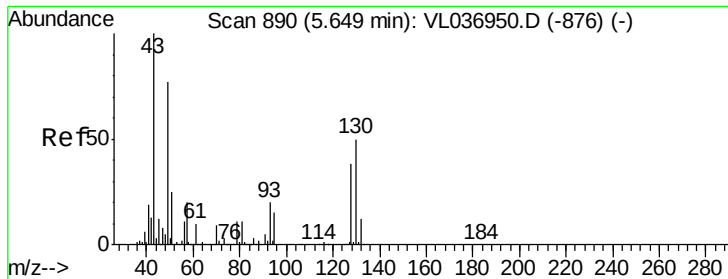
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

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MSVOA_L

ClientSampleId :

KSV-03

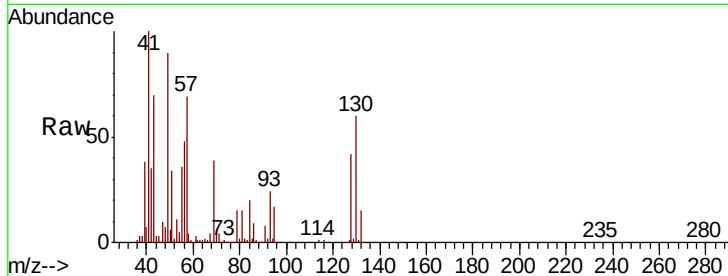
Tot Ion: 49 Resp: 1108130

Ion Ratio Lower Upper

49 100

128 51.7 26.9 80.7

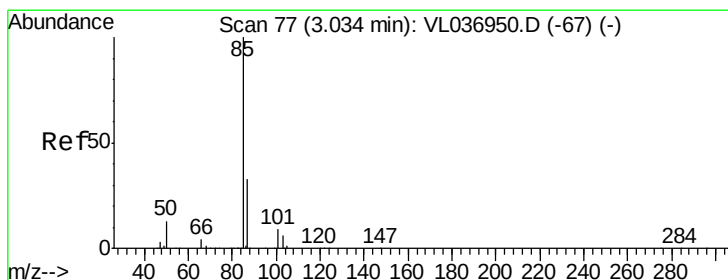
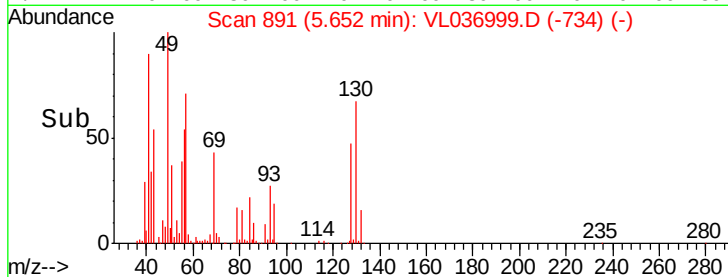
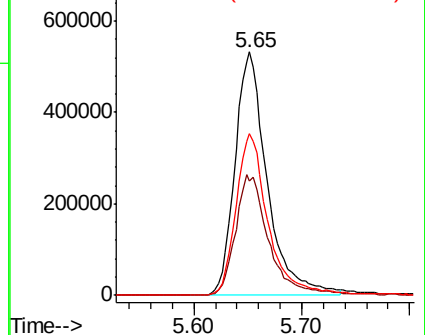
130 67.5 33.8 101.4



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: 0.175 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036999.D

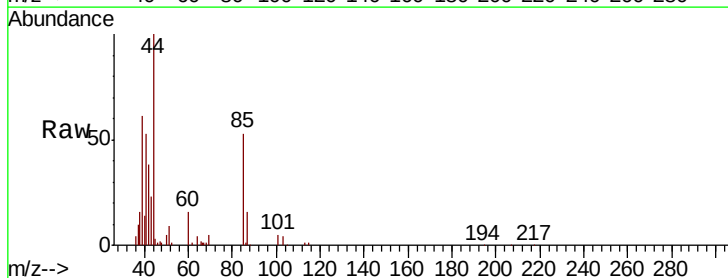
Acq: 19 May 2021 19:47

Tgt Ion: 85 Resp: 32880

Ion Ratio Lower Upper

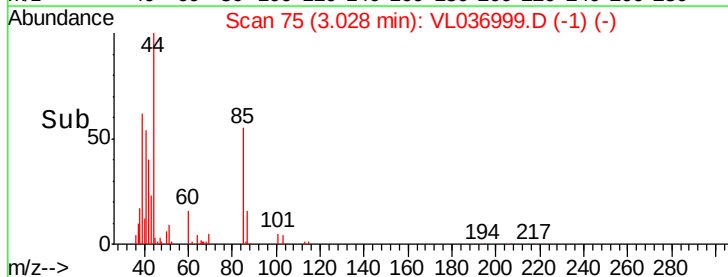
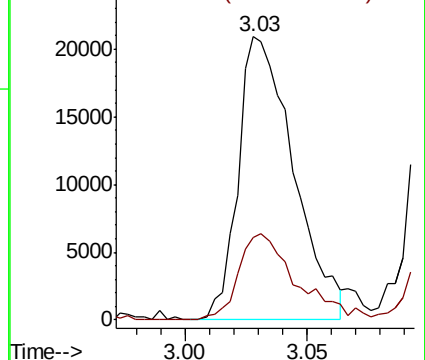
85 100

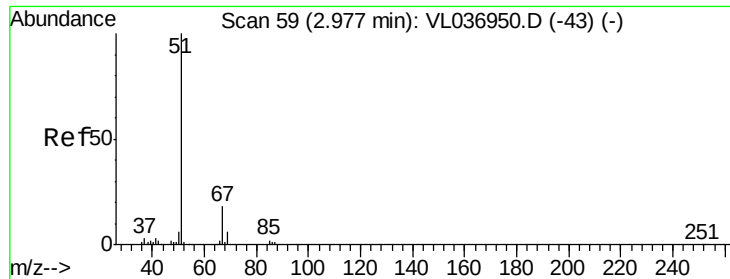
87 29.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

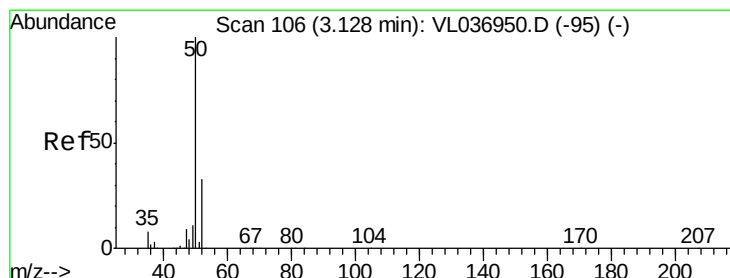
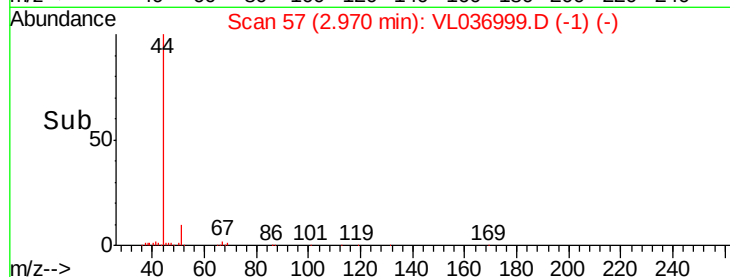
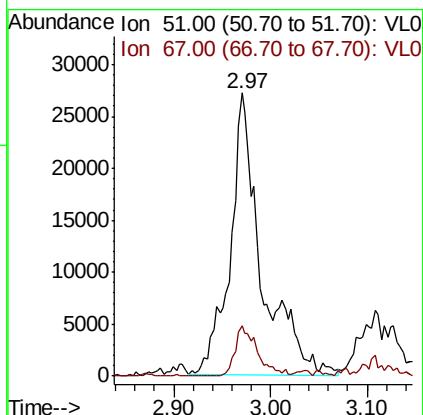
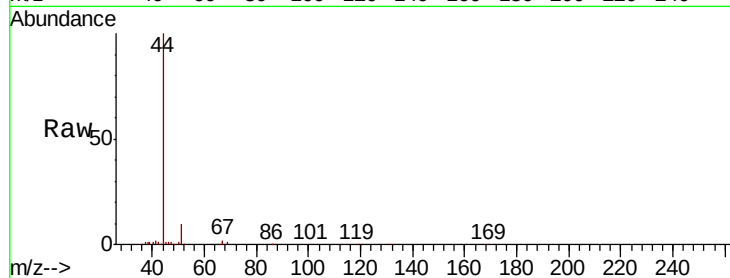




#3
Chlorodifluoromethane
Concen: 0.301 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

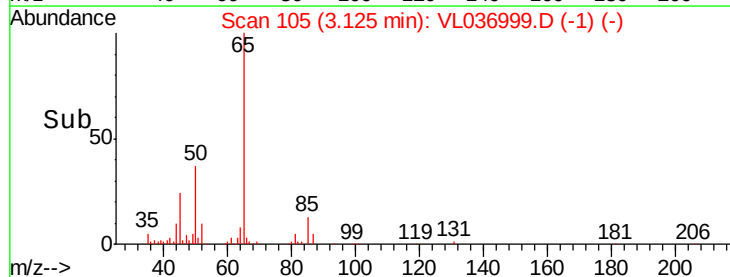
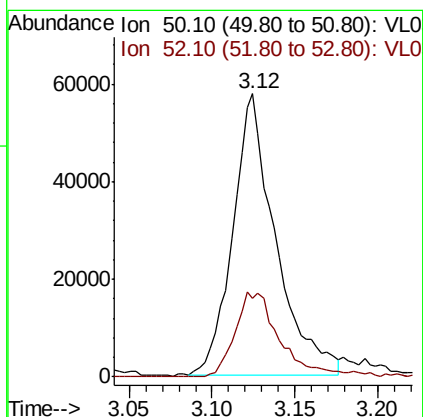
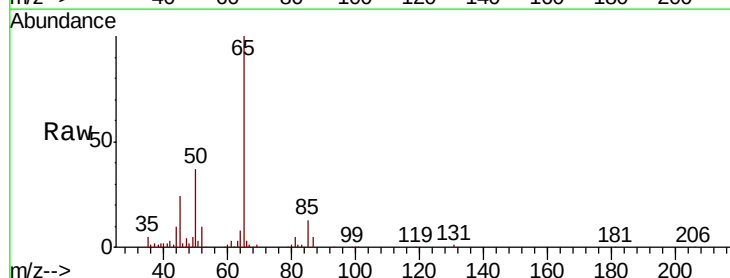
Instrument :
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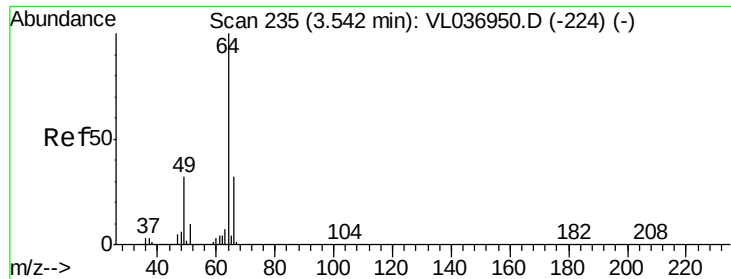
Tot Ion: 51 Resp: 61152
Ion Ratio Lower Upper
51 100
67 12.8 14.6 21.8#



#4
Chloromethane
Concen: 1.514 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 50 Resp: 104622
Ion Ratio Lower Upper
50 100
52 27.6 26.1 39.1





#7

Chloroethane

Concen: 0.058 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

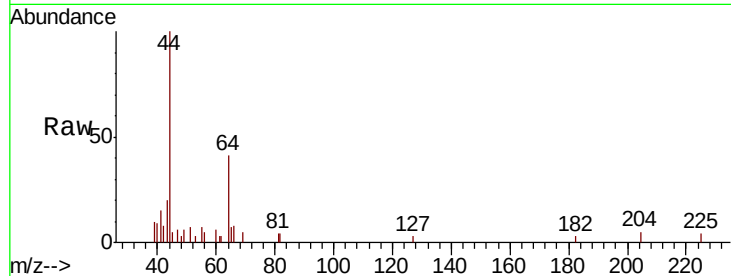
KSV-03

Tot Ion: 64 Resp: 1424

Ion Ratio Lower Upper

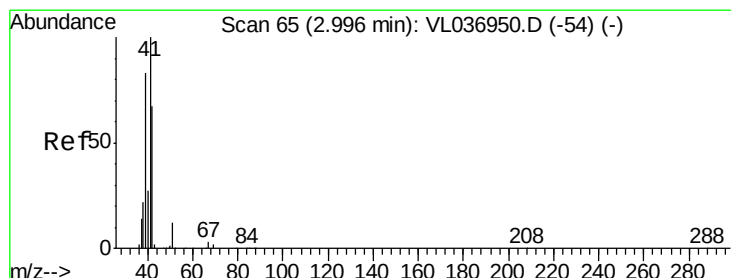
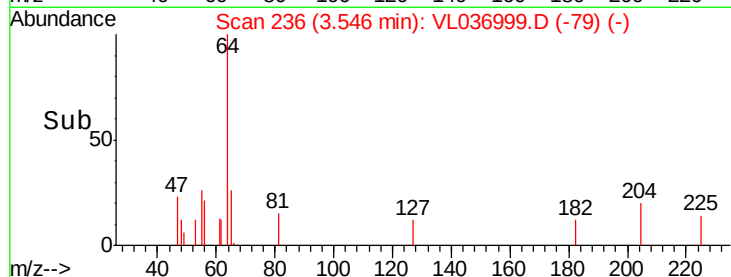
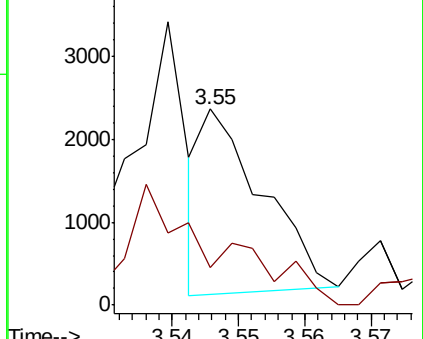
64 100

66 19.2 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: 4.173 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036999.D

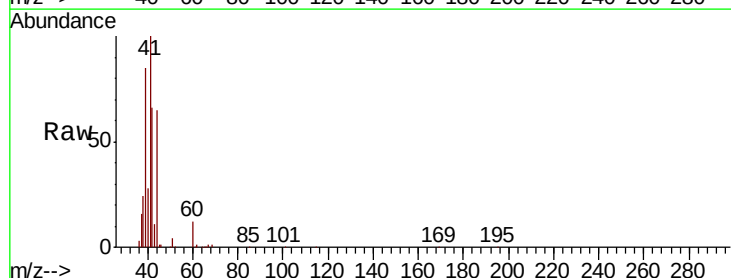
Acq: 19 May 2021 19:47

Tgt Ion: 41 Resp: 303354

Ion Ratio Lower Upper

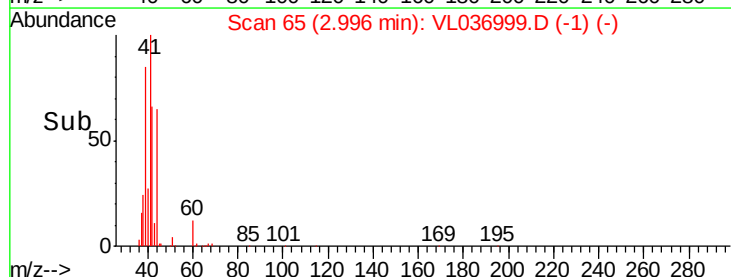
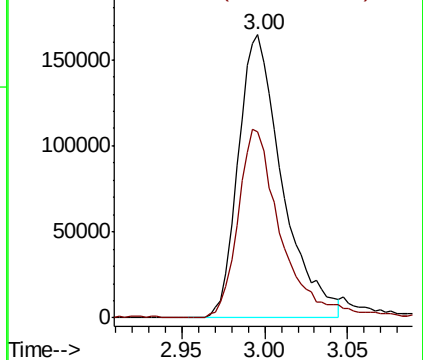
41 100

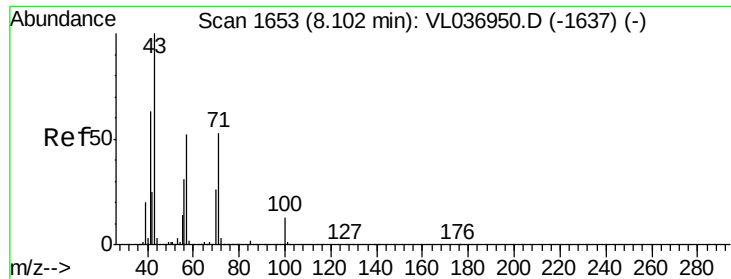
42 66.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

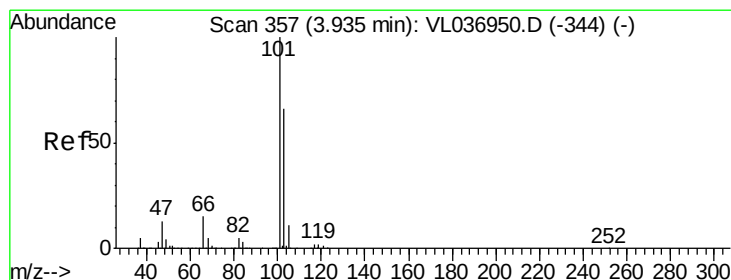
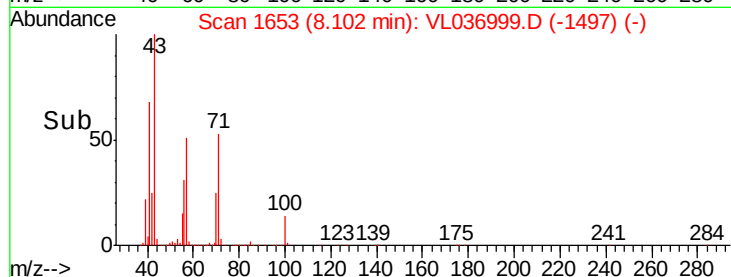
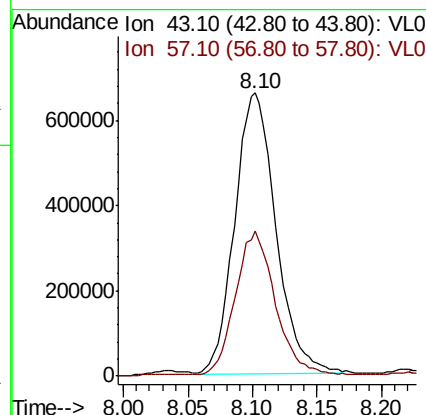
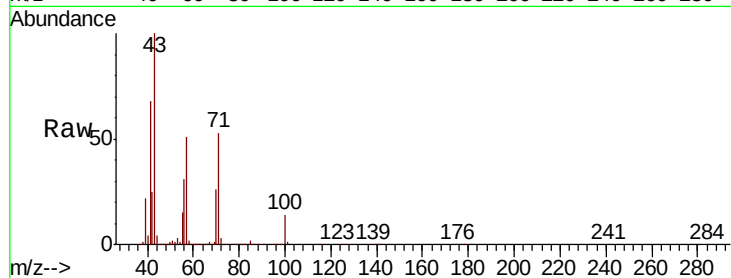




#10
Heptane
Concen: 8.089 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

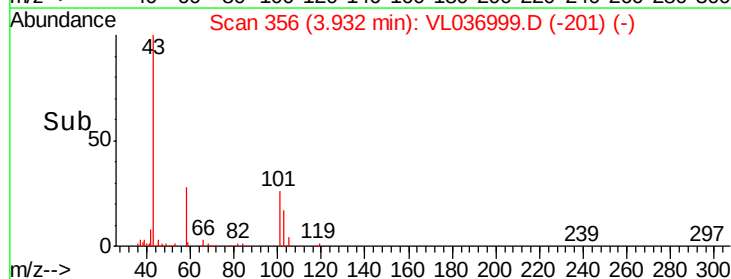
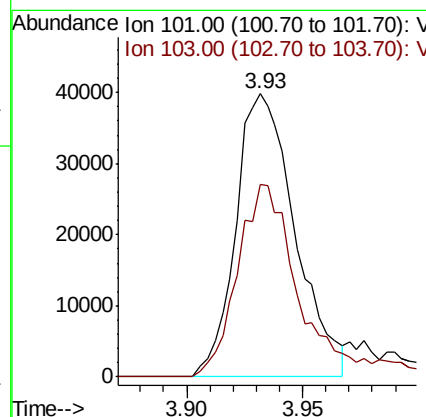
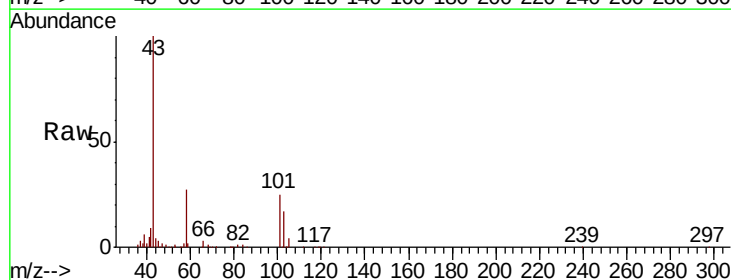
Instrument :
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KSV-03

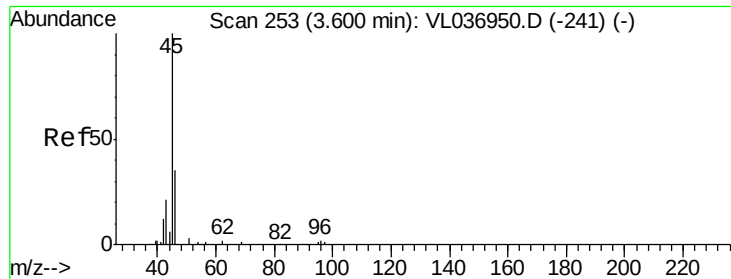
Tot Ion: 43 Resp: 1465373
Ion Ratio Lower Upper
43 100
57 51.0 41.0 61.6



#11
Trichlorofluoromethane
Concen: 0.406 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 101 Resp: 70627
Ion Ratio Lower Upper
101 100
103 68.0 52.6 79.0

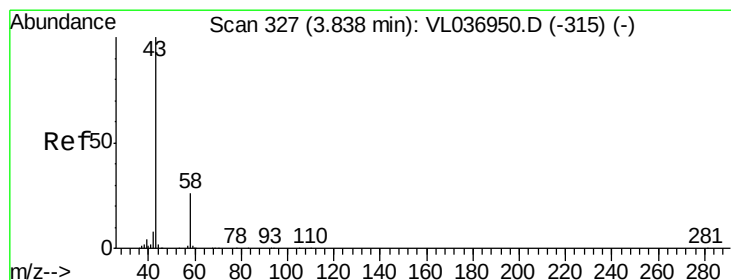
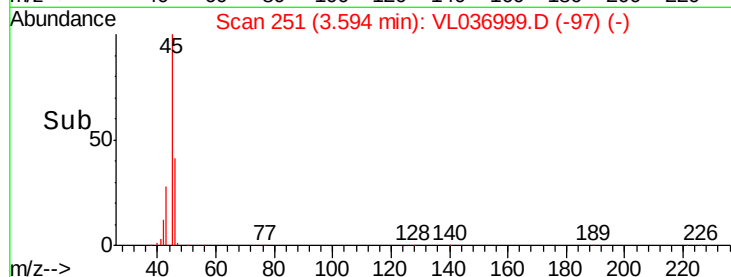
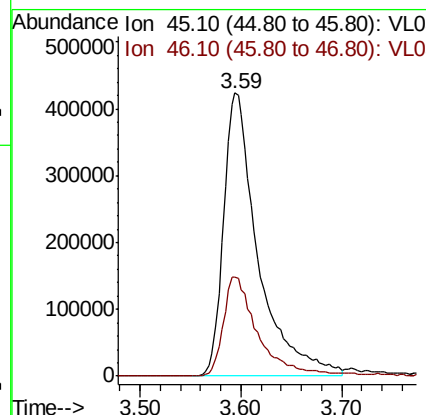
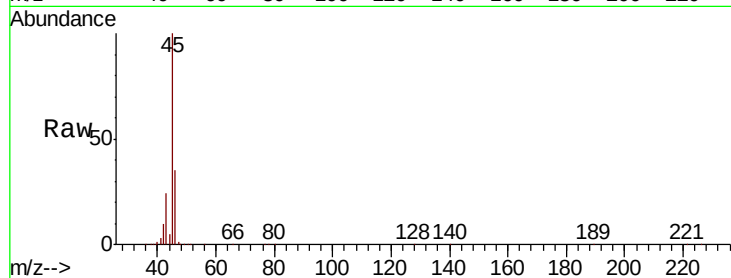




#13
 Ethanol
 Concen: 104.179 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

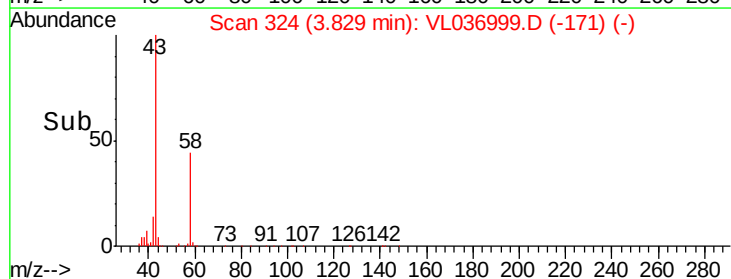
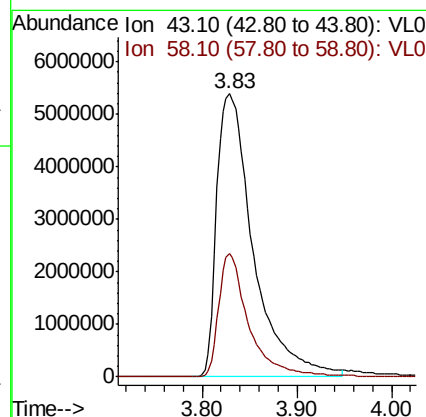
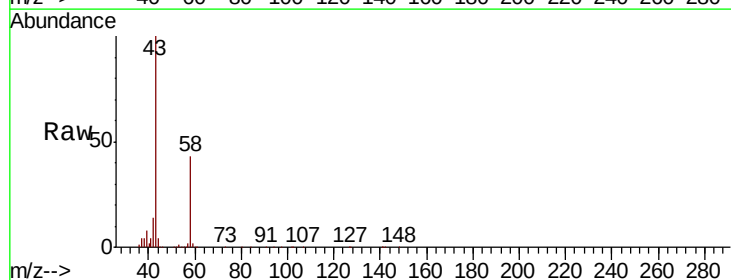
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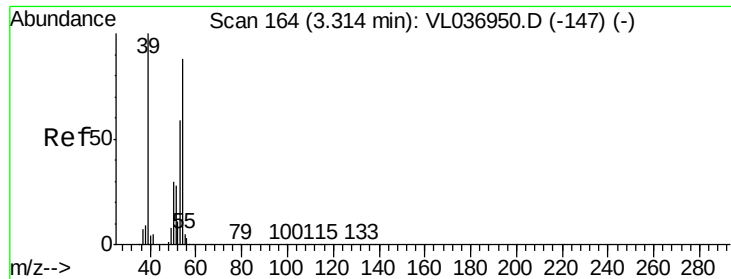
Tot Ion: 45 Resp: 1010461
 Ion Ratio Lower Upper
 45 100
 46 35.7 16.3 65.3



#15
 Acetone
 Concen: 128.059 ppbv
 RT: 3.83 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 43 Resp: 14534972
 Ion Ratio Lower Upper
 43 100
 58 36.3 24.0 36.0#

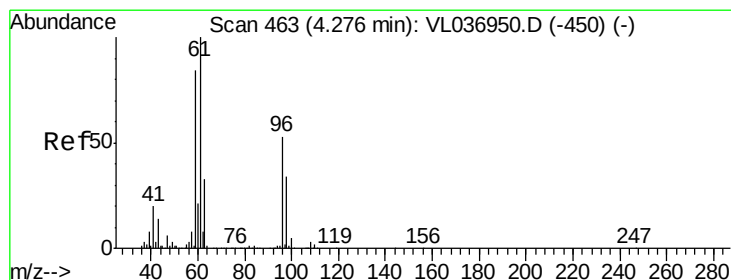
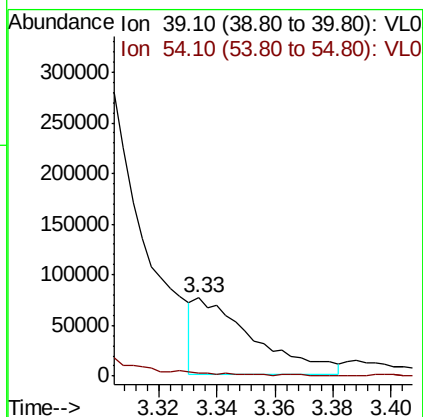
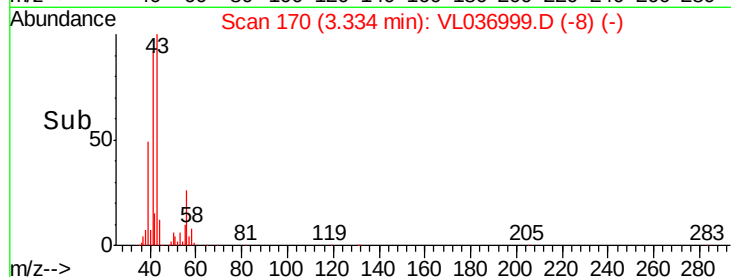
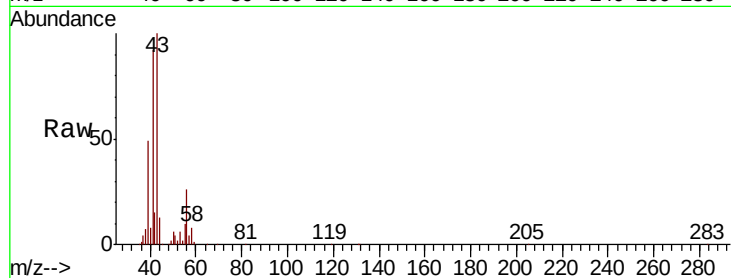




#16
 1,3-Butadiene
 Concen: 1.516 ppbv
 RT: 3.33 min Scan# 170
 Delta R.T. 0.02 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

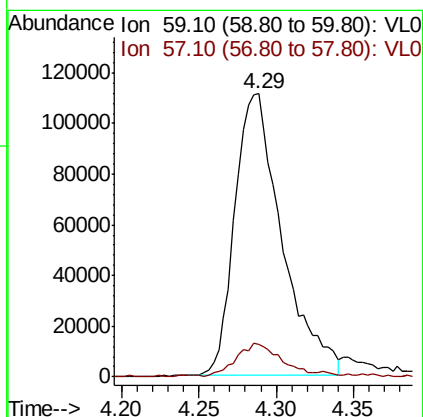
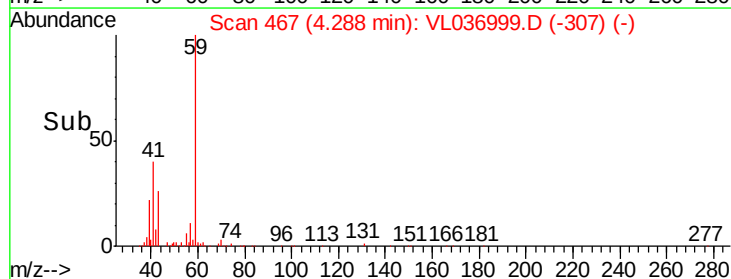
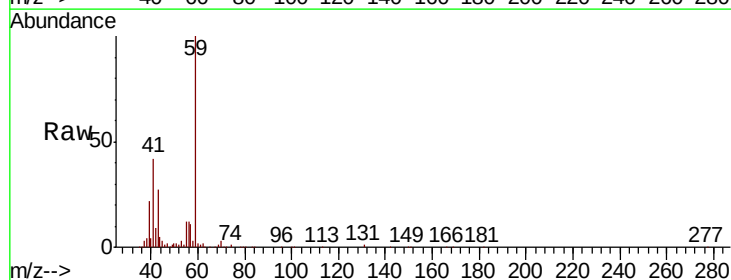
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03

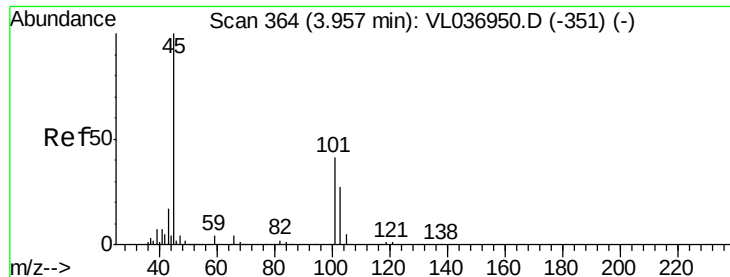
Tot Ion: 39 Resp: 106884
 Ion Ratio Lower Upper
 39 100
 54 0.0 63.2 94.8#



#17
 tert-Butyl alcohol
 Concen: 2.265 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 59 Resp: 235511
 Ion Ratio Lower Upper
 59 100
 57 13.6 8.3 12.5#



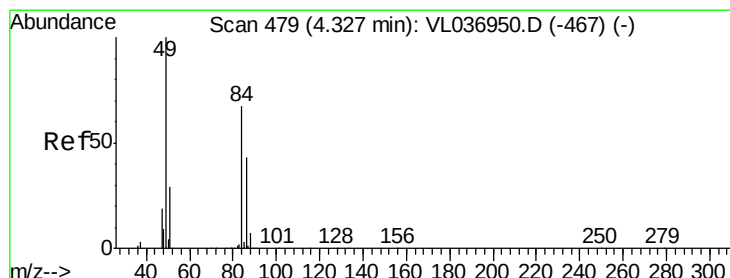
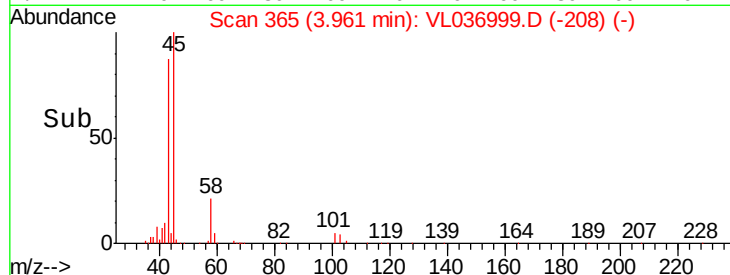
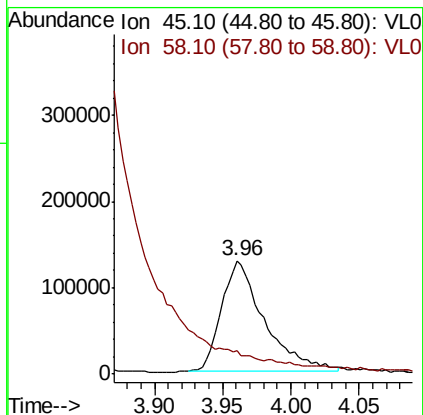
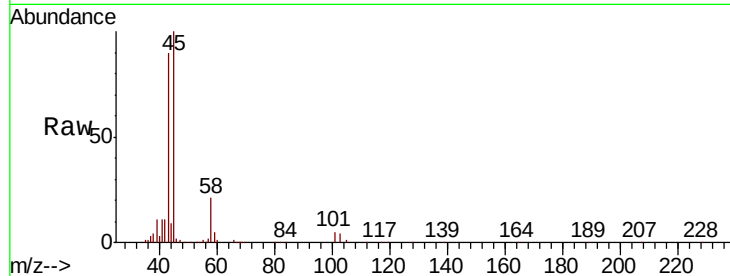


#19

Isopropyl Alcohol
 Concen: 4.633 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Instrument :
 MSVOA_L
 ClientSampled :
 KSV-03

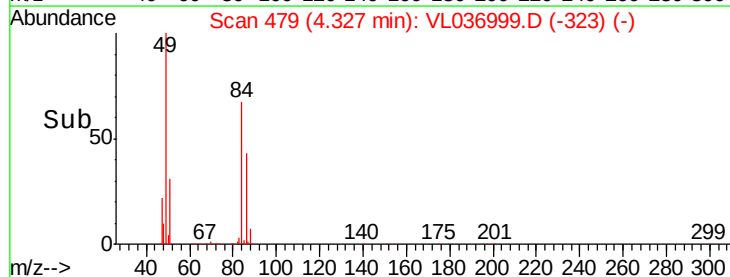
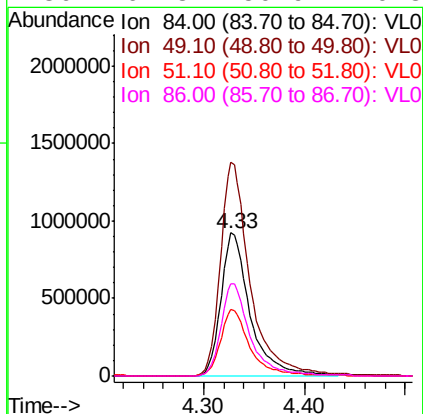
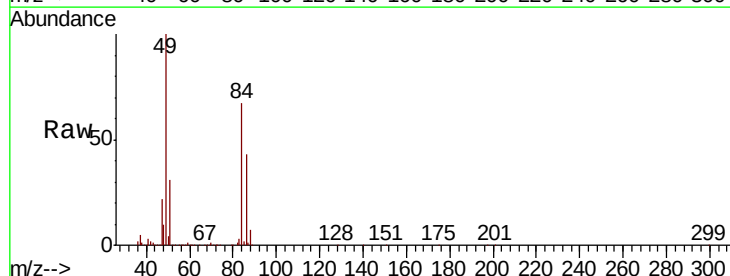
Tot Ion: 45 Resp: 282660
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#

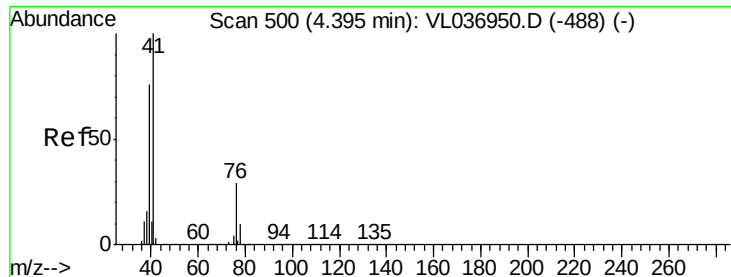


#20

Methylene Chloride
 Concen: 30.695 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 84 Resp: 1867559
 Ion Ratio Lower Upper
 84 100
 49 149.4 119.8 179.6
 51 46.7 35.1 52.7
 86 64.8 50.9 76.3





#21

Allvl Chloride

Concen: 0.042 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

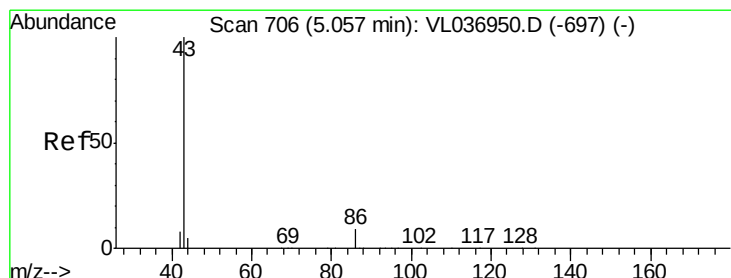
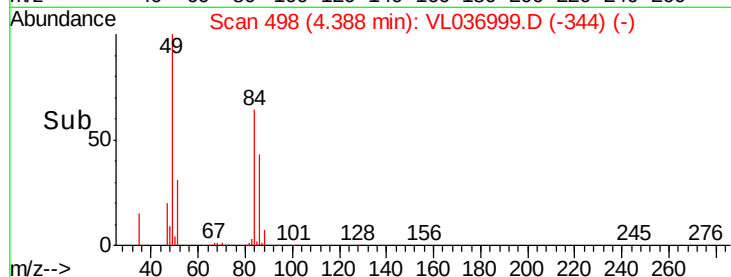
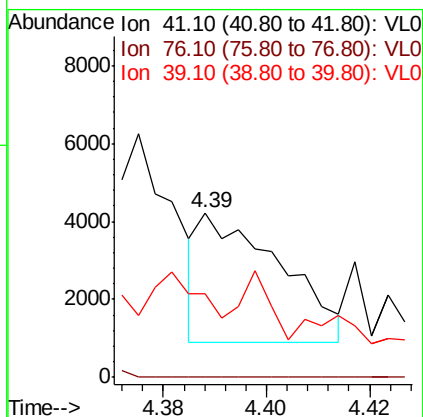
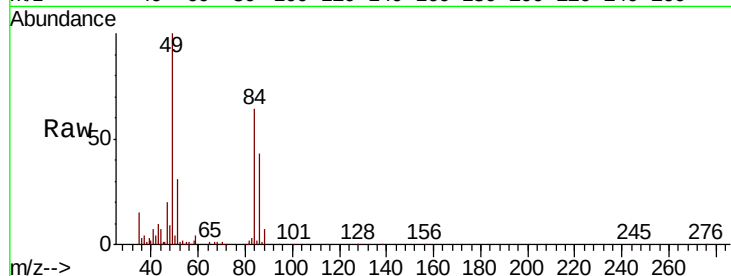
Tot Ion: 41 Resp: 3618

Ion Ratio Lower Upper

41 100

76 0.0 24.9 37.3#

39 0.0 63.7 95.5#



#23

Vinyl Acetate

Concen: 0.613 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Tgt Ion: 43 Resp: 110489

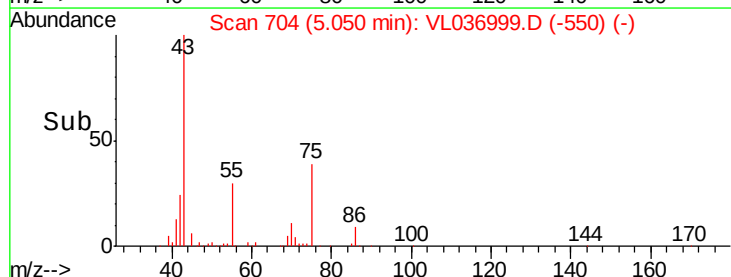
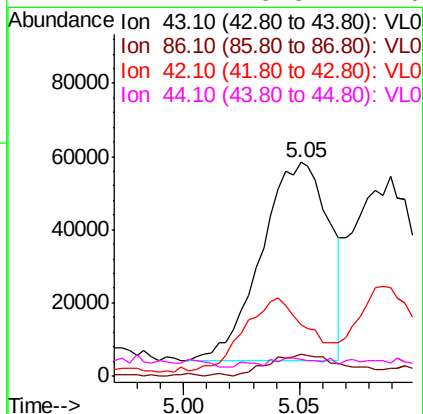
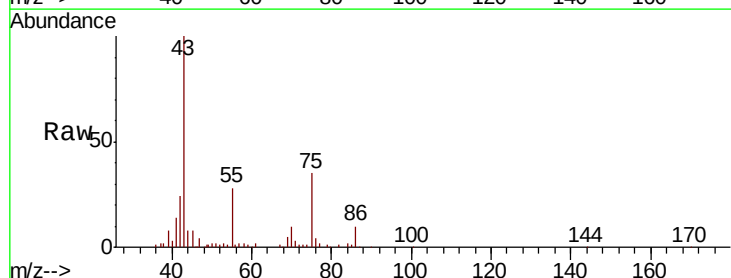
Ion Ratio Lower Upper

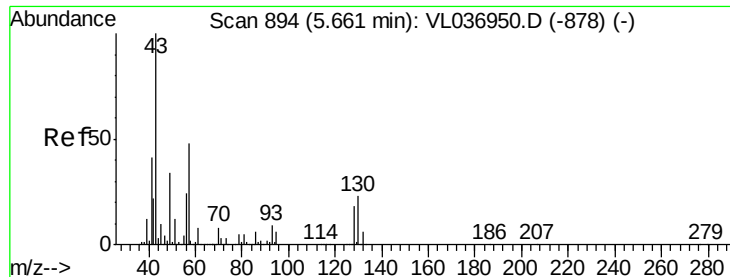
43 100

86 9.7 5.8 8.8#

42 22.7 7.4 11.2#

44 2.4 3.3 4.9#

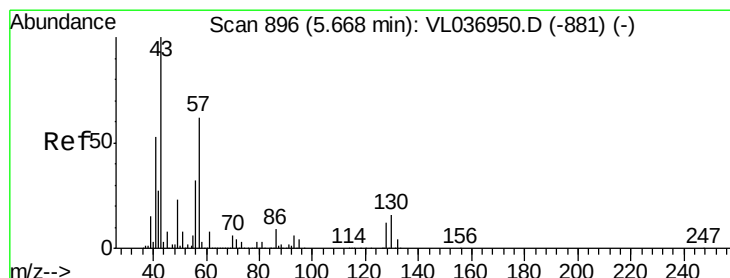
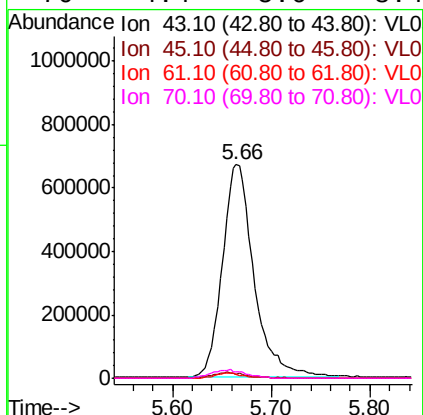
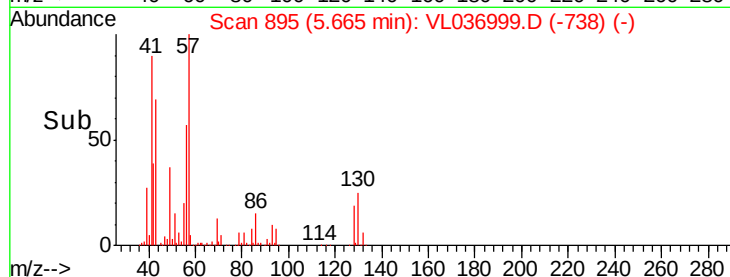
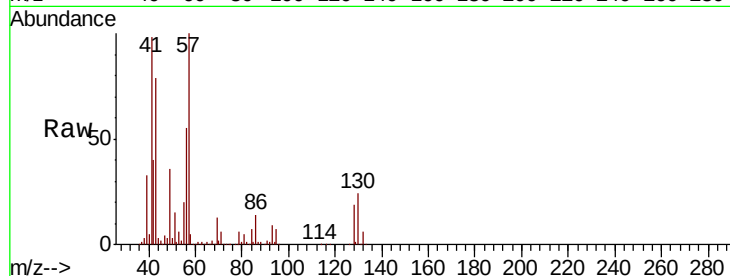




#25
Ethyl Acetate
Concen: 5.505 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

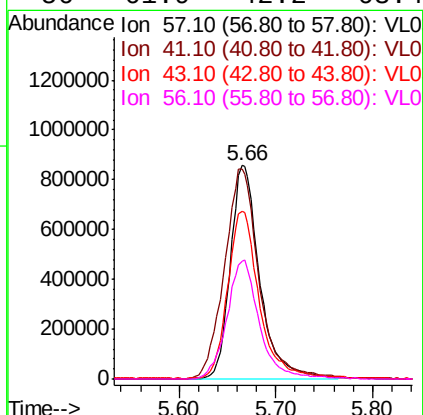
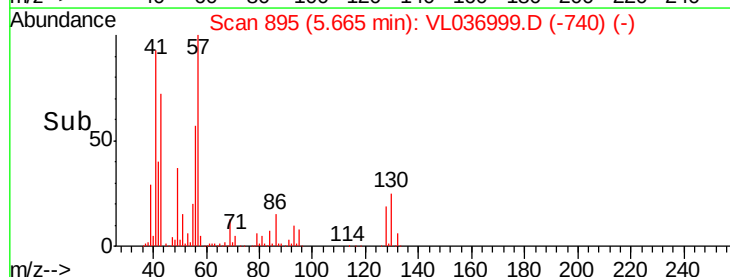
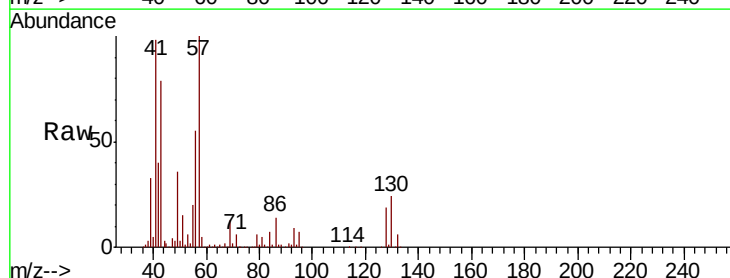
Instrument :
MSVOA_L
ClientSampled :
KSV-03

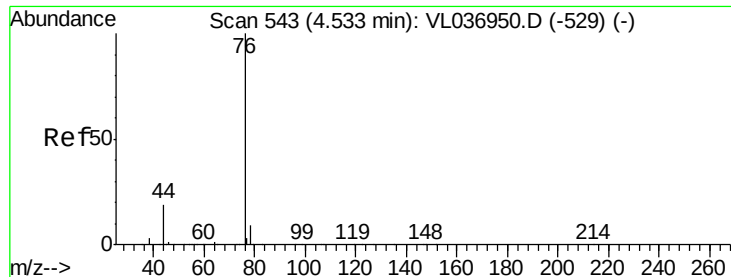
Tot Ion: 43 Resp: 1501559
Ion Ratio Lower Upper
43 100
45 3.0 7.8 11.8#
61 2.5 7.8 11.8#
70 4.4 5.6 8.4#



#26
Hexane
Concen: 13.005 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 57 Resp: 1811981
Ion Ratio Lower Upper
57 100
41 117.1 70.5 105.7#
43 84.8 165.8 248.8#
56 61.9 42.2 63.4





#27

Carbon Disulfide

Concen: 0.816 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

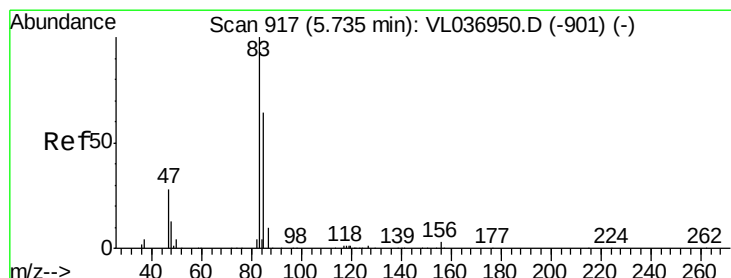
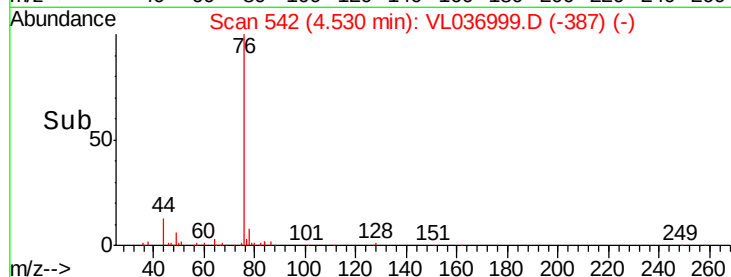
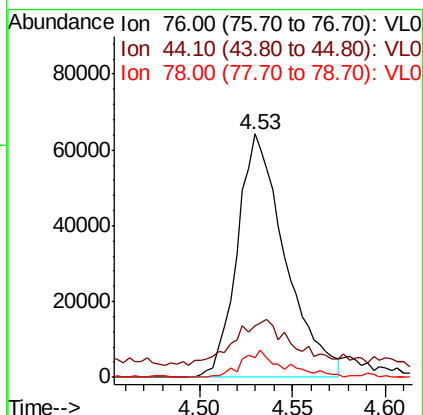
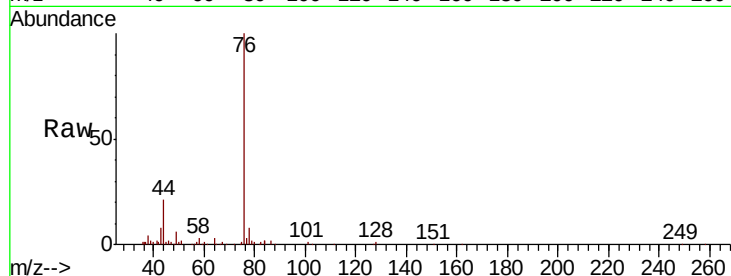
MSVOA_L

ClientSampleId :

KSV-03

Tot Ion: 76 Resp: 114542

Ion	Ratio	Lower	Upper
76	100		
44	27.2	15.5	23.3#
78	11.0	7.8	11.6



#29

Chloroform

Concen: 0.185 ppbv

RT: 5.74 min Scan# 917

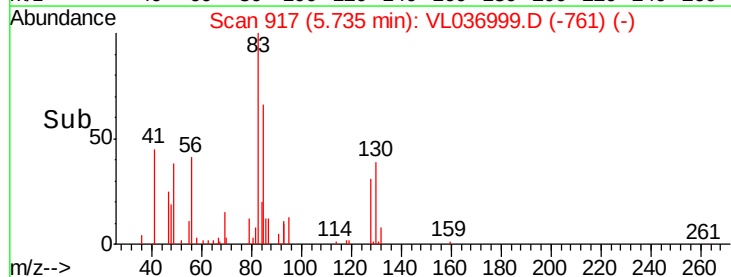
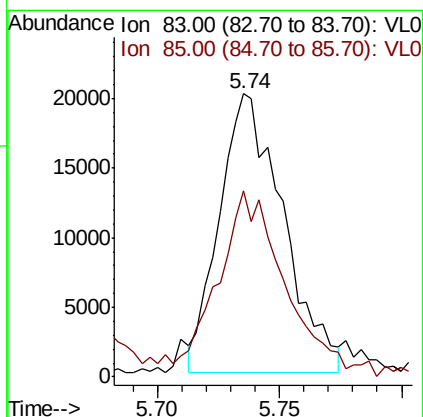
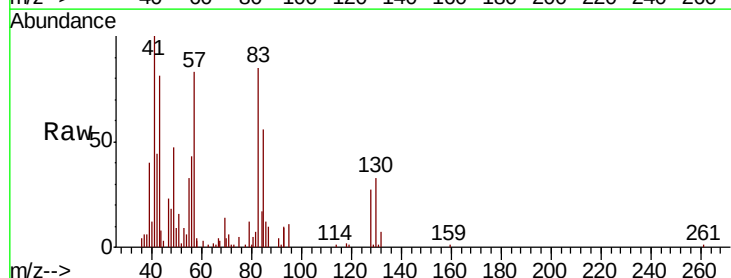
Delta R.T. 0.00 min

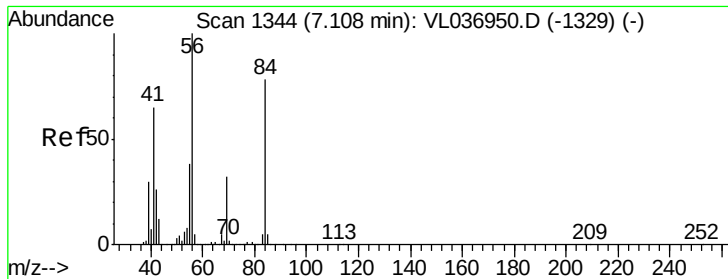
Lab File: VL036999.D

Acq: 19 May 2021 19:47

Tgt Ion: 83 Resp: 36411

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7

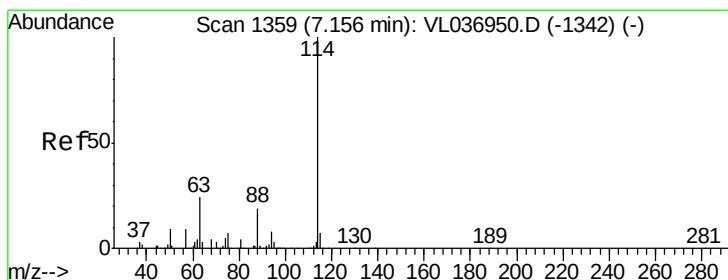
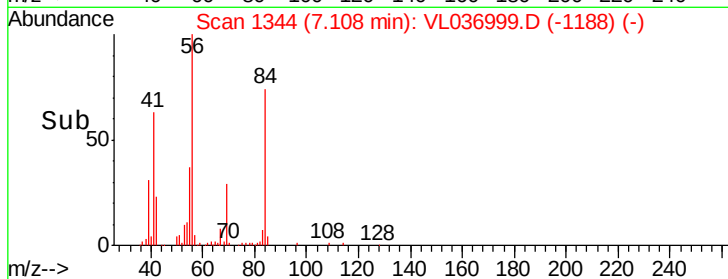
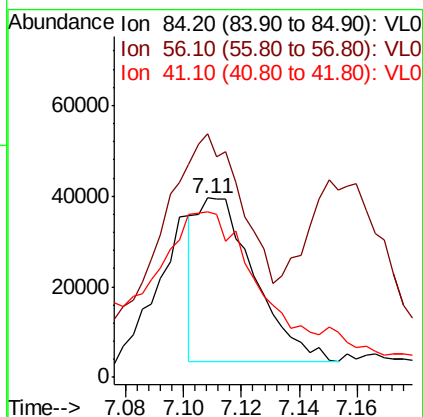
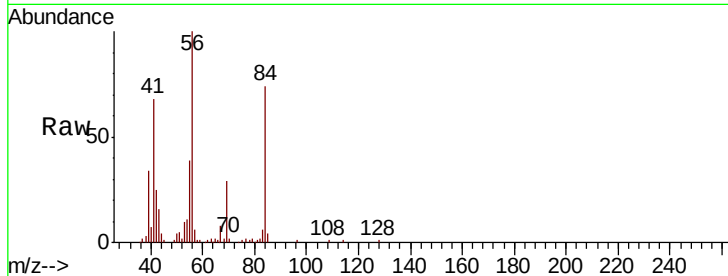




#30
Cyclohexane
Concen: 0.420 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

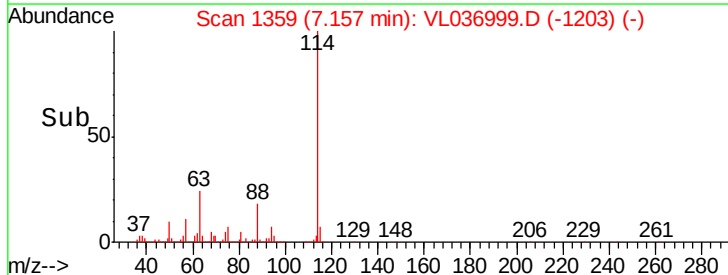
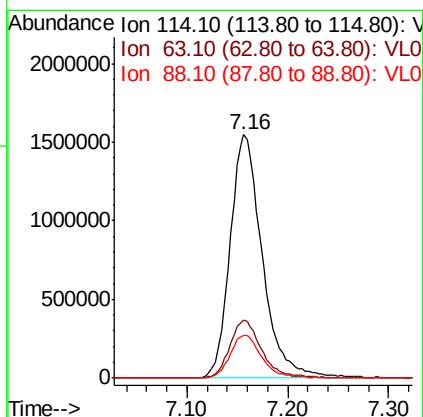
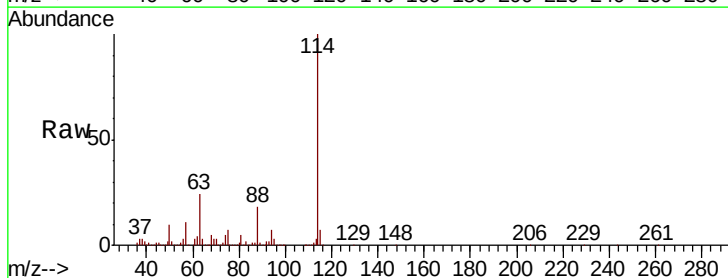
Instrument :
MSVOA_L
ClientSampleId :
KSV-03

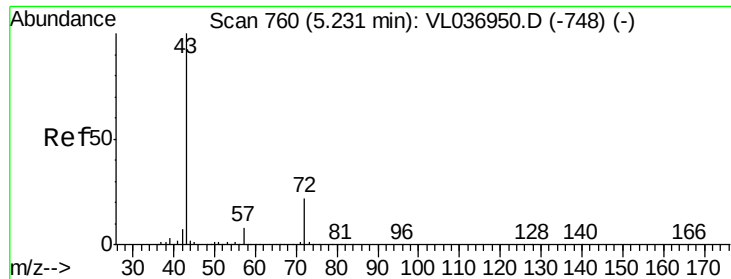
Tot Ion: 84 Resp: 49764
Ion Ratio Lower Upper
84 100
56 244.6 107.9 161.9#
41 188.0 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 114 Resp: 3427257
Ion Ratio Lower Upper
114 100
63 24.1 19.6 29.4
88 17.7 14.6 21.8

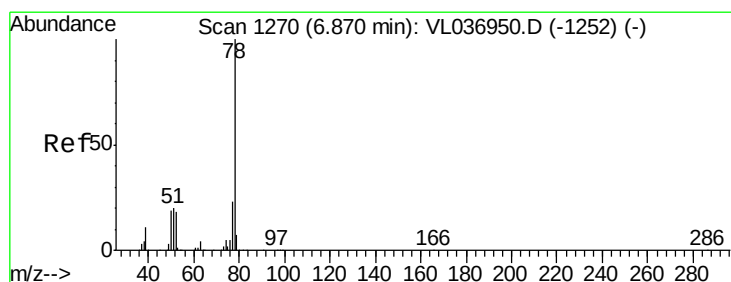
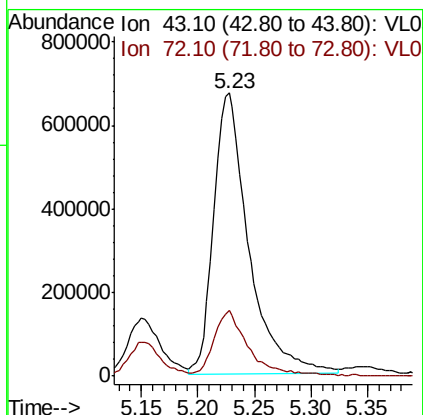
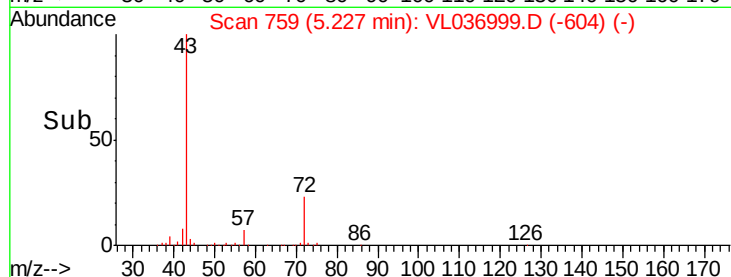
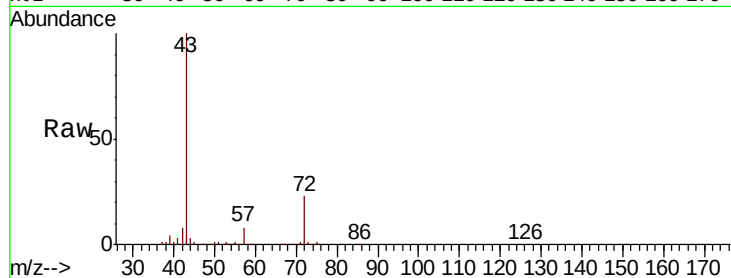




#34
2-Butanone
Concen: 11.629 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

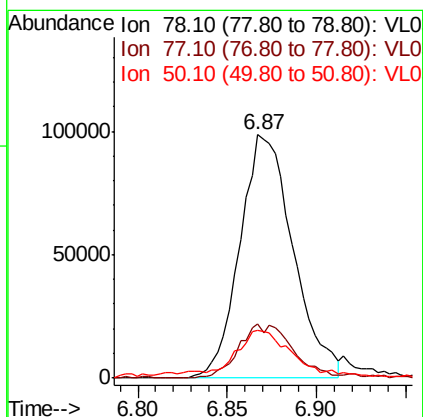
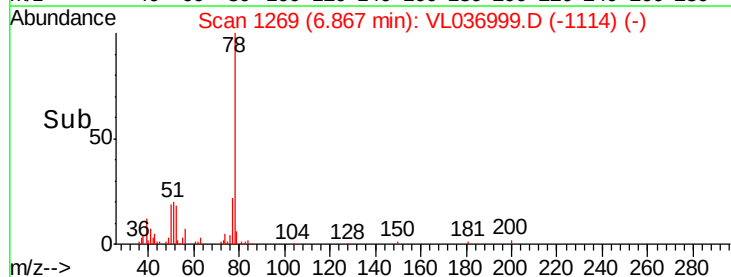
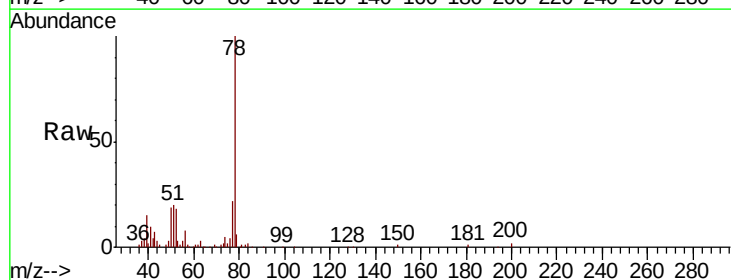
Instrument :
MSVOA_L
ClientSampleId :
KSV-03

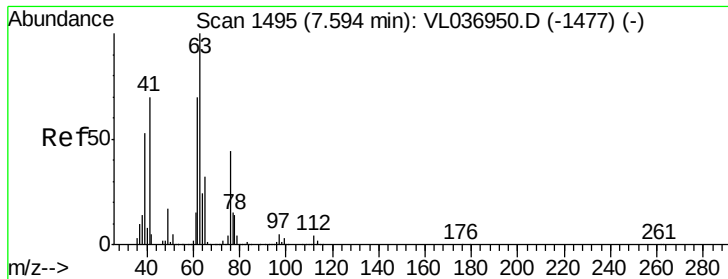
Tot Ion: 43 Resp: 1451301
Ion Ratio Lower Upper
43 100
72 23.0 19.0 28.4



#36
Benzene
Concen: 0.694 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 78 Resp: 204990
Ion Ratio Lower Upper
78 100
77 21.9 18.6 28.0
50 17.8 15.0 22.4





#39

1,2-Dichloropropane

Concen: 0.079 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.23 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

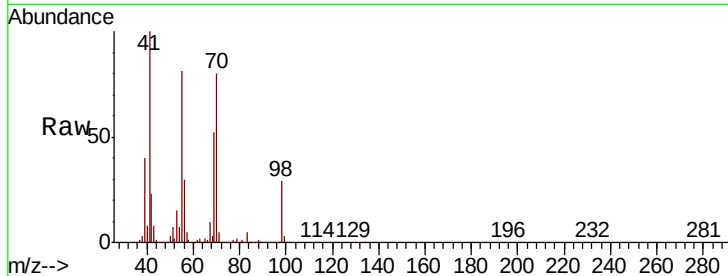
Tot Ion: 63 Resp: 9007

Ion Ratio Lower Upper

63 100

41 4400.6 55.7 83.5#

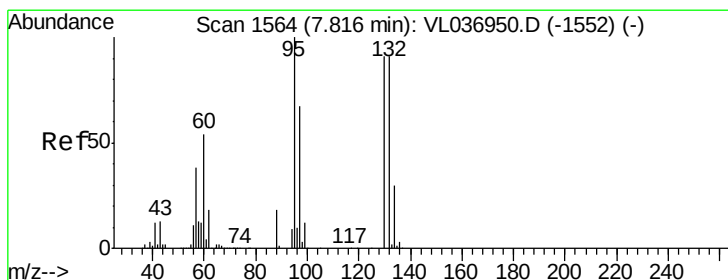
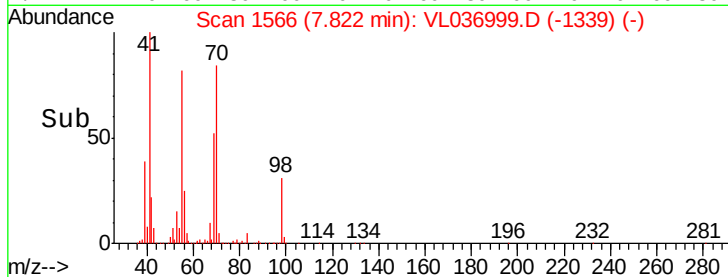
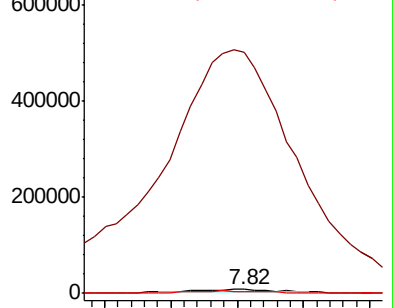
62 26.6 56.2 84.4#



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: 0.069 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Tgt Ion: 88 Resp: 1861

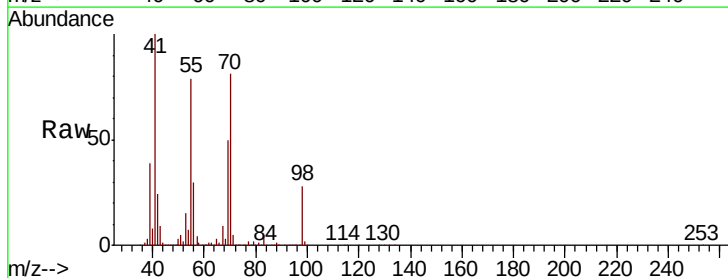
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

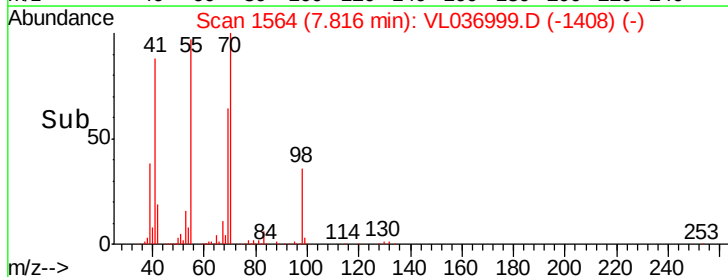
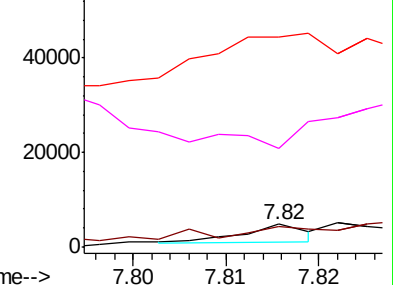


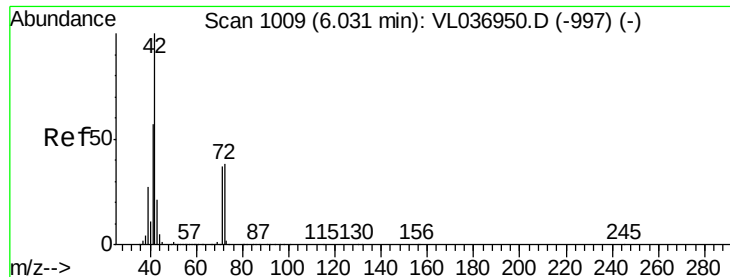
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.536 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.26 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

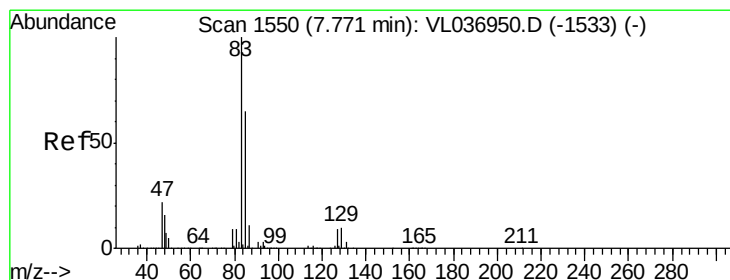
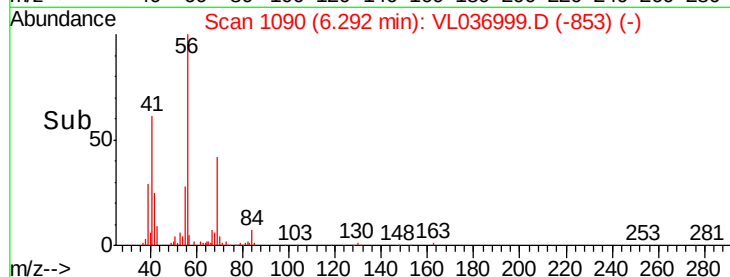
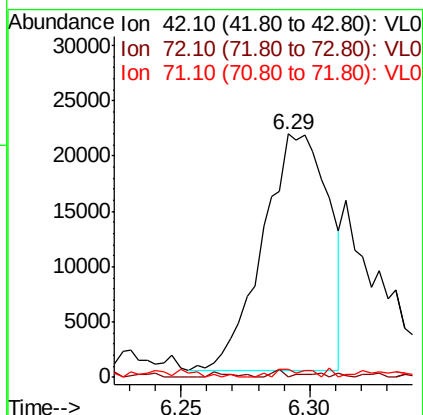
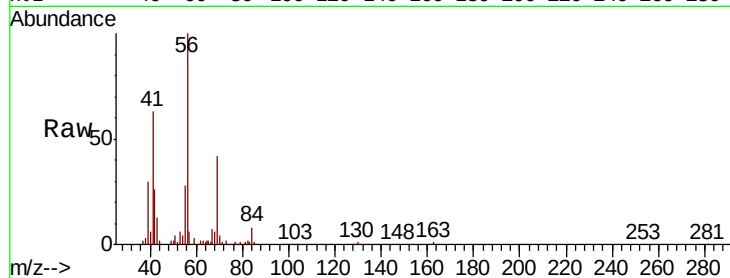
Tot Ion: 42 Resp: 38129

Ion Ratio Lower Upper

42 100

72 0.7 31.4 47.2#

71 0.0 30.4 45.6#



#42

Bromodichloromethane

Concen: 0.153 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

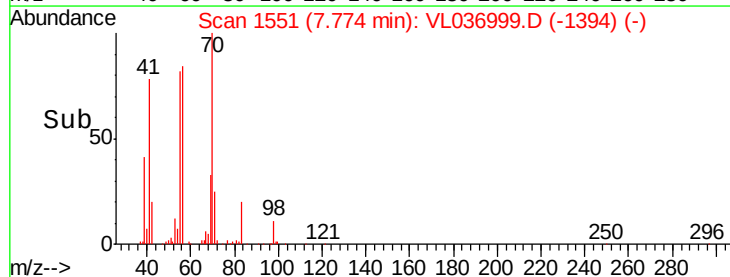
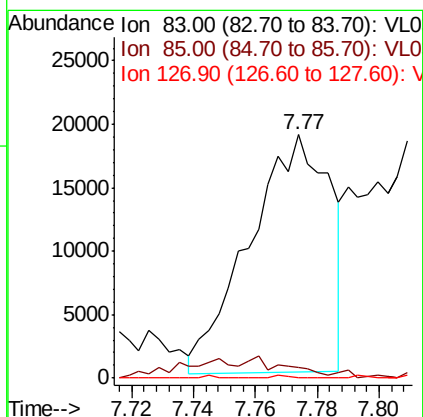
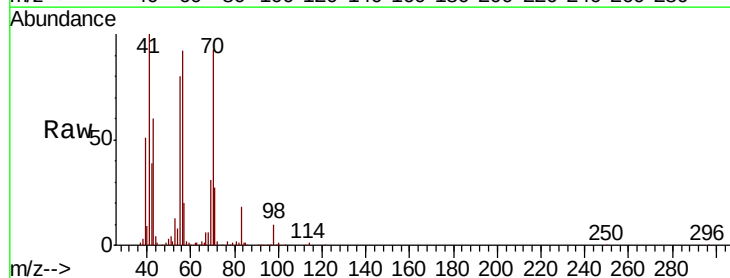
Tgt Ion: 83 Resp: 33863

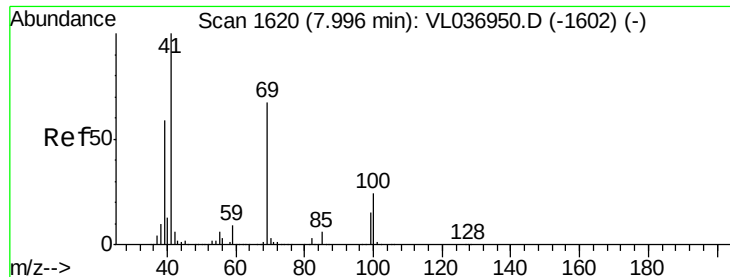
Ion Ratio Lower Upper

83 100

85 2.5 51.7 77.5#

127 0.0 6.9 10.3#





#43

Methyl Methacrylate

Concen: 0.320 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.03 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

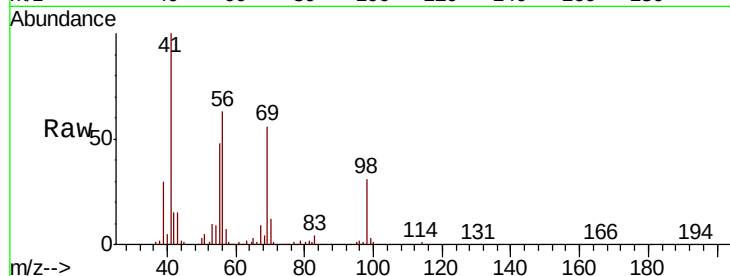
Tot Ion: 69 Resp: 32596

Ion Ratio Lower Upper

69 100

41 0.0 118.6 178.0#

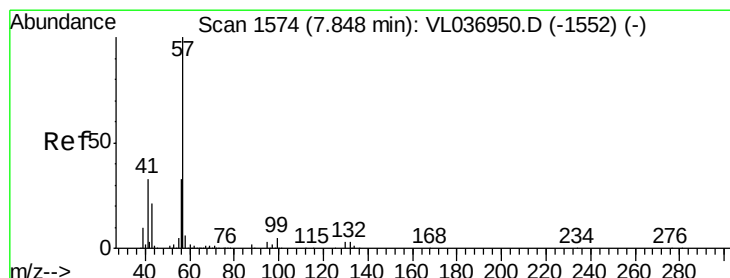
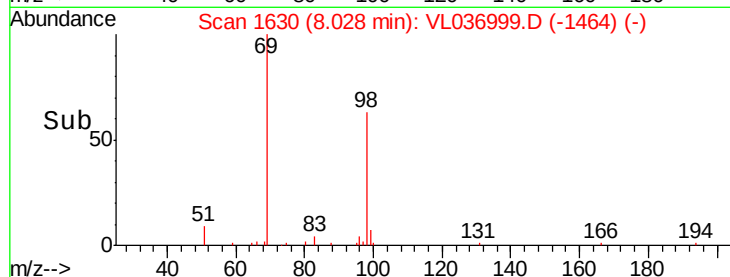
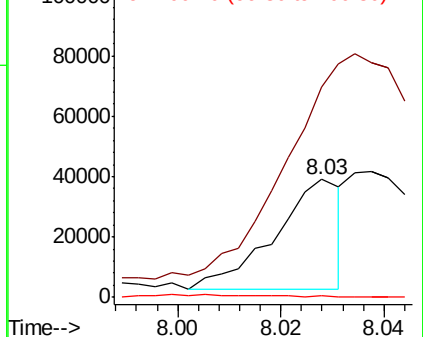
100 0.0 28.2 42.4#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.060 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

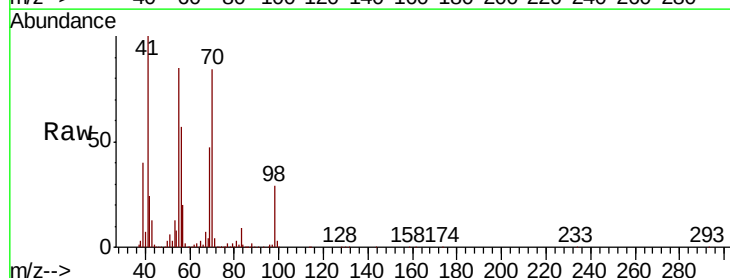
Tgt Ion: 57 Resp: 30449

Ion Ratio Lower Upper

57 100

41 5998.9 27.0 40.4#

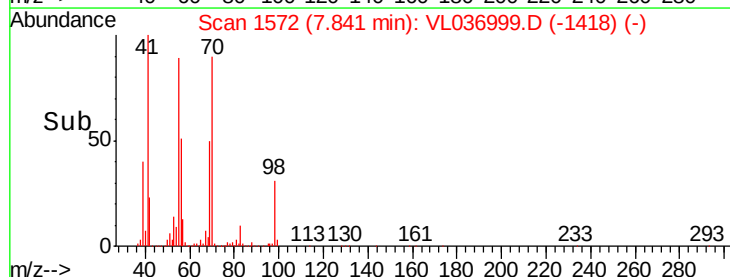
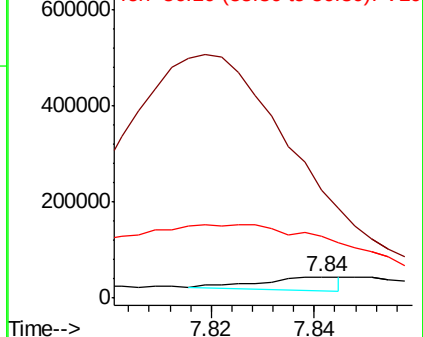
56 2561.8 25.4 38.2#

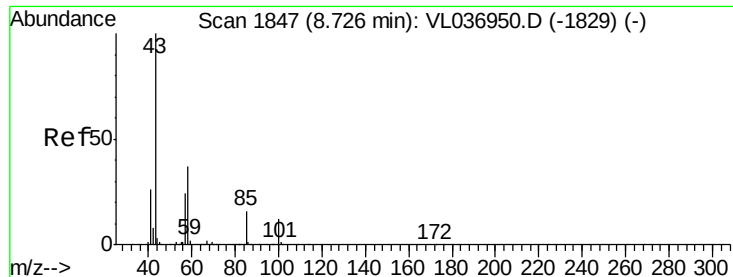


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

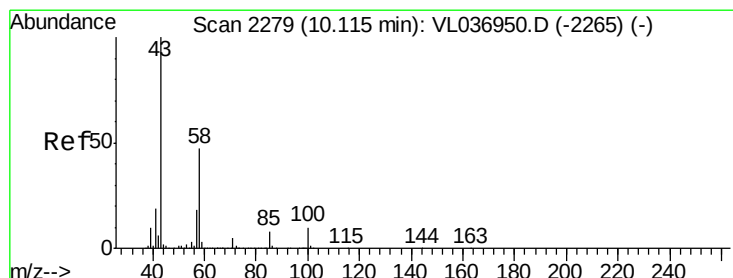
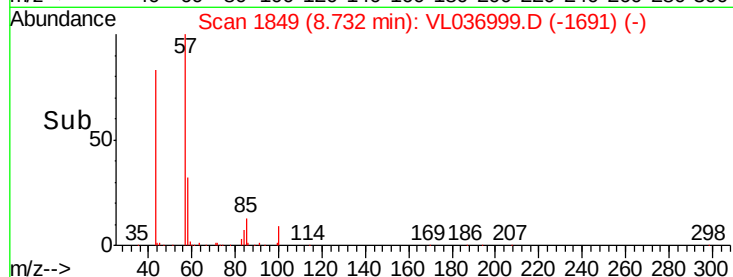
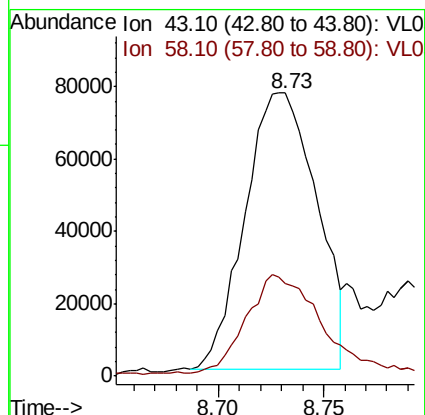
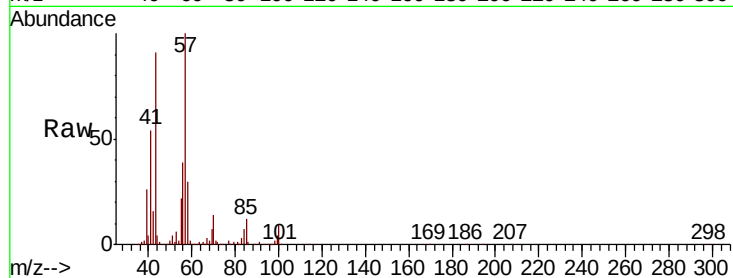




#50
 4-Methyl-2-Pentanone
 Concen: 0.878 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

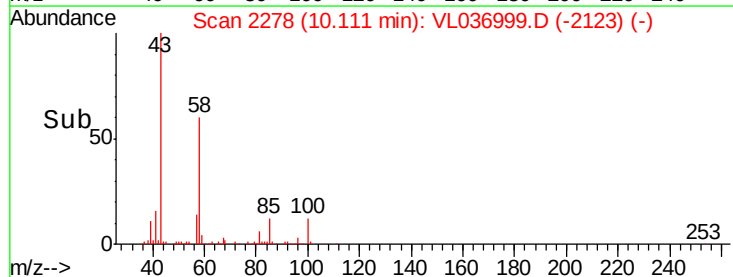
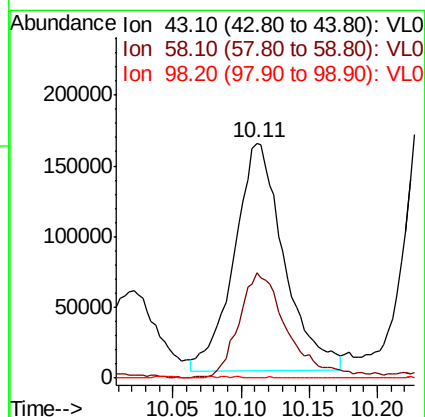
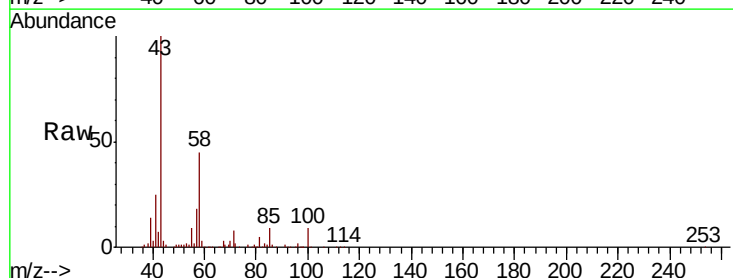
Instrument :
 MSVOA_L
 ClientSampleID :
 KSV-03

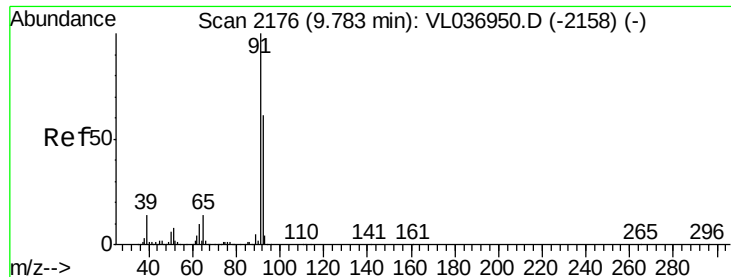
Tot Ion: 43 Resp: 180781
 Ion Ratio Lower Upper
 43 100
 58 42.1 29.4 44.2



#51
 2-Hexanone
 Concen: 3.752 ppbv
 RT: 10.11 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VL036999.D
 Acq: 19 May 2021 19:47

Tgt Ion: 43 Resp: 408477
 Ion Ratio Lower Upper
 43 100
 58 44.4 41.1 61.7
 98 0.6 0.1 0.1#





#53

Toluene

Concen: 6.591 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

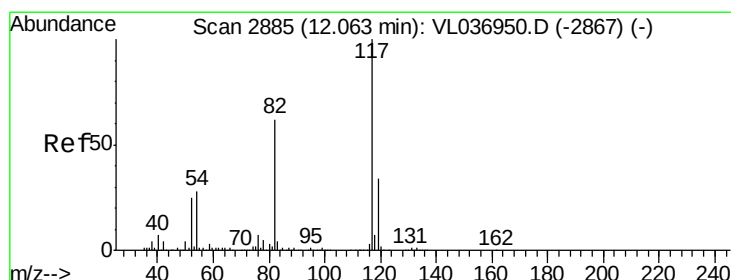
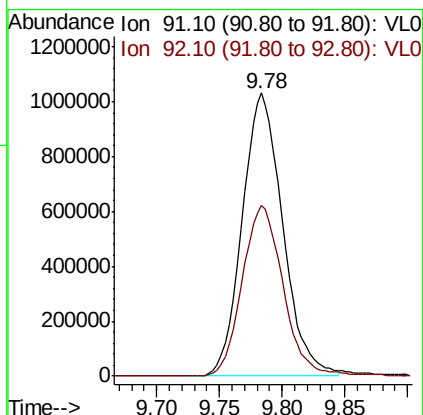
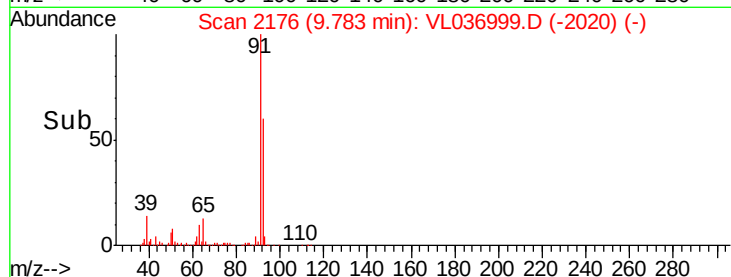
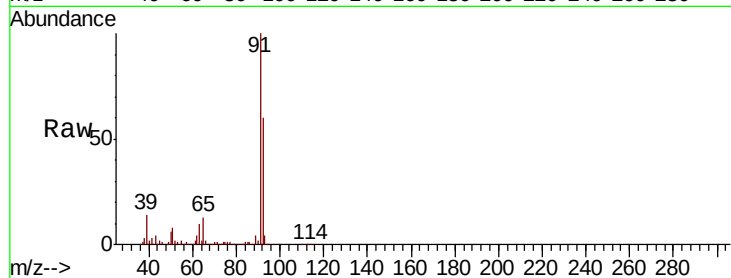
KSV-03

Tot Ion: 91 Resp: 2315276

Ion Ratio Lower Upper

91 100

92 61.5 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

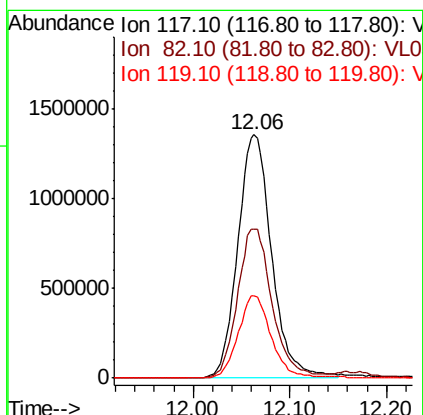
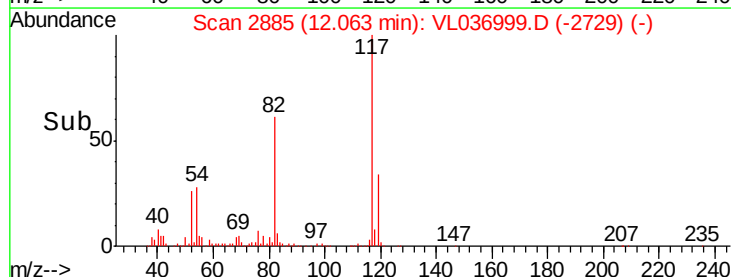
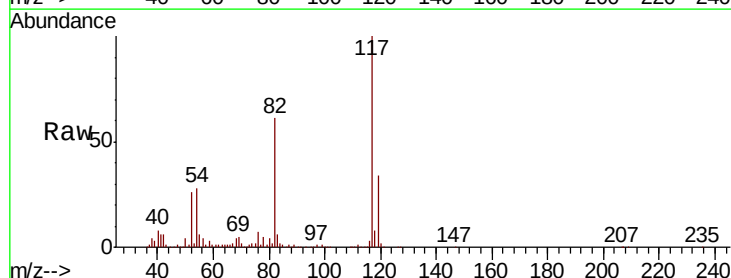
Tgt Ion: 117 Resp: 3307461

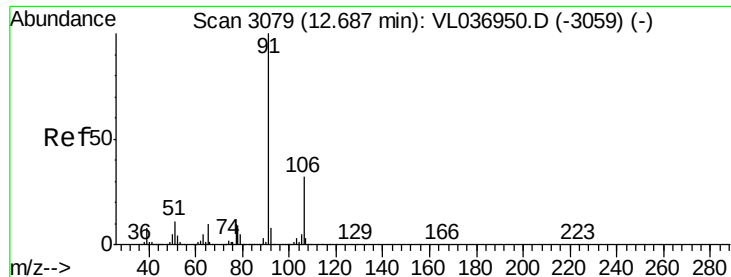
Ion Ratio Lower Upper

117 100

82 62.6 52.6 79.0

119 33.6 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.235 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

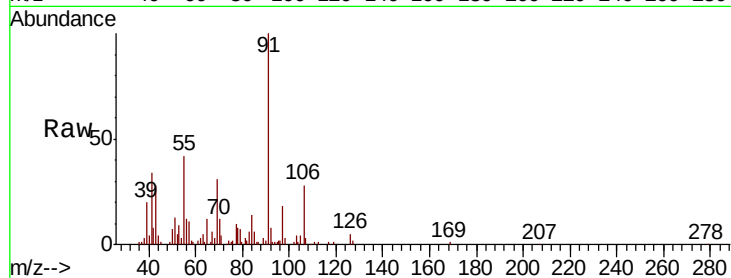
KSV-03

Tot Ion: 91 Resp: 109905

Ion Ratio Lower Upper

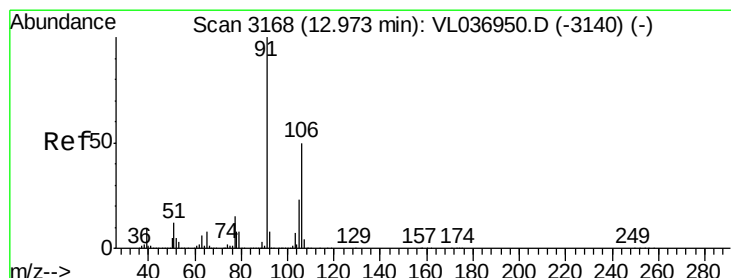
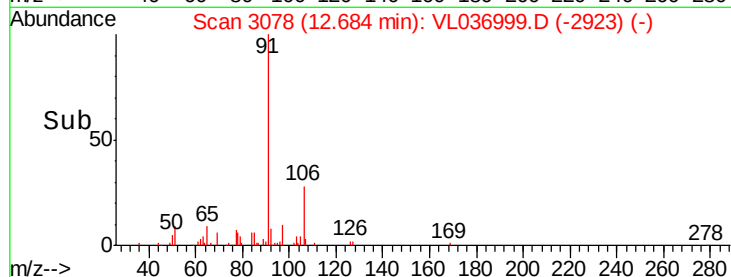
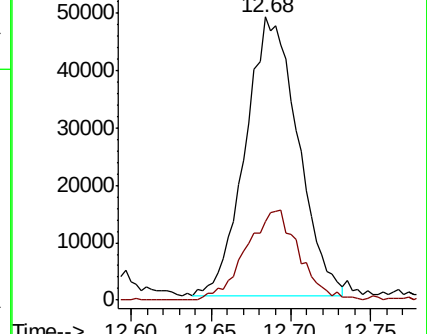
91 100

106 28.2 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: 0.162 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.01 min

Lab File: VL036999.D

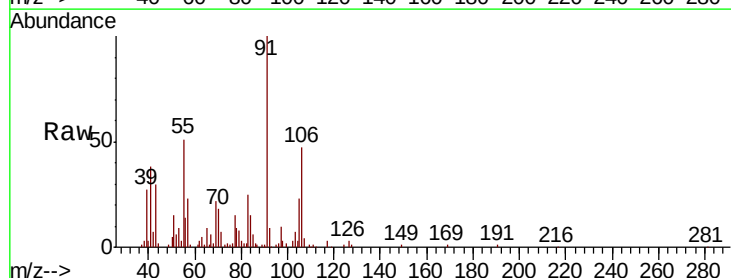
Acq: 19 May 2021 19:47

Tgt Ion: 91 Resp: 62680

Ion Ratio Lower Upper

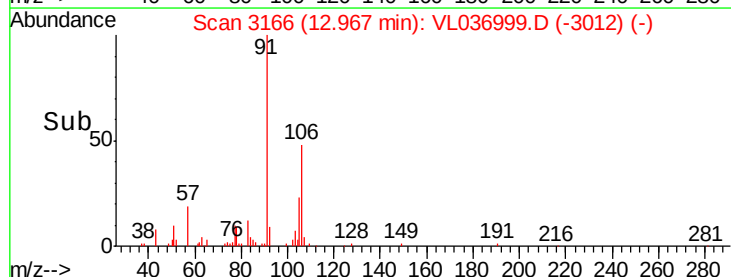
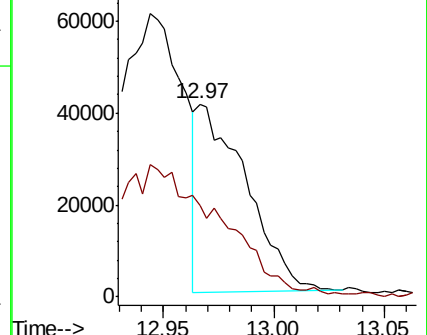
91 100

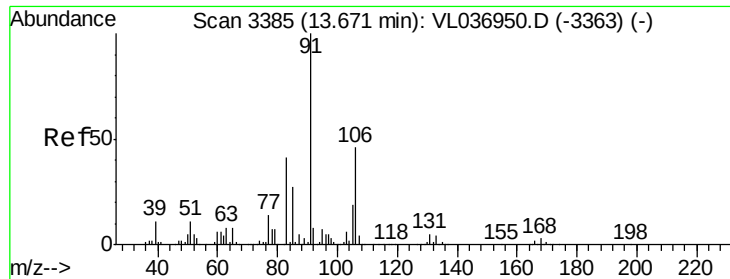
106 0.0 37.4 56.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

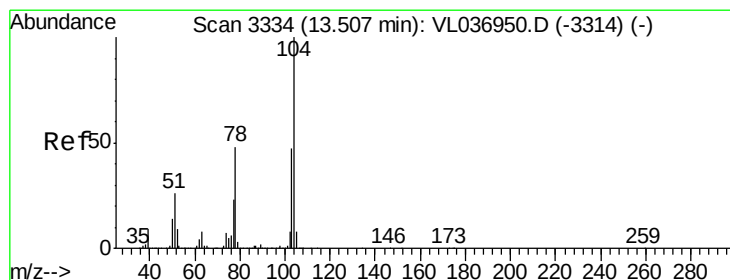
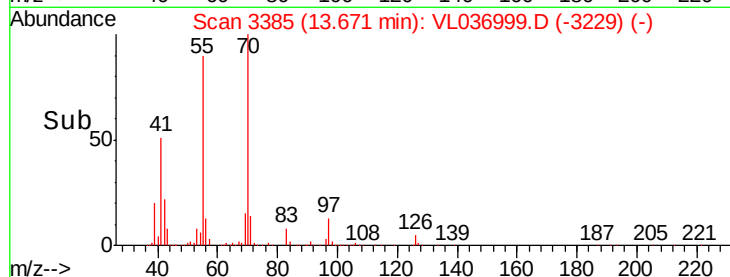
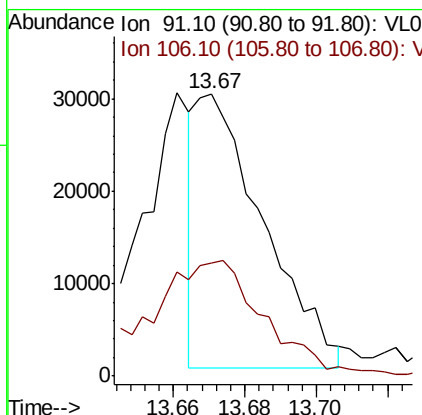
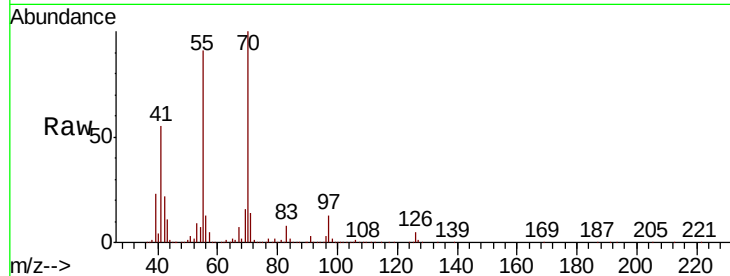




#60
o-Xylene
Concen: 0.105 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

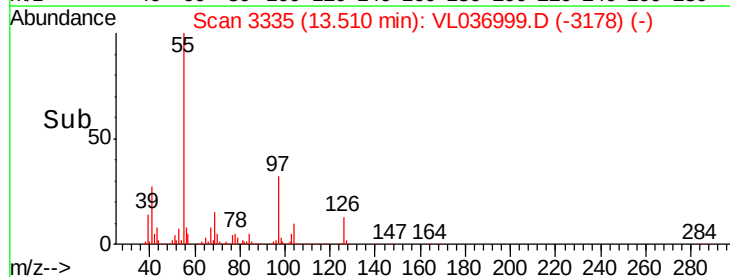
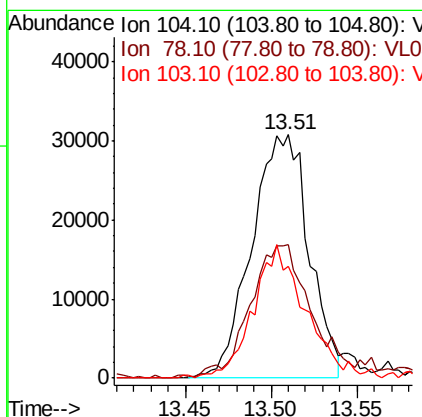
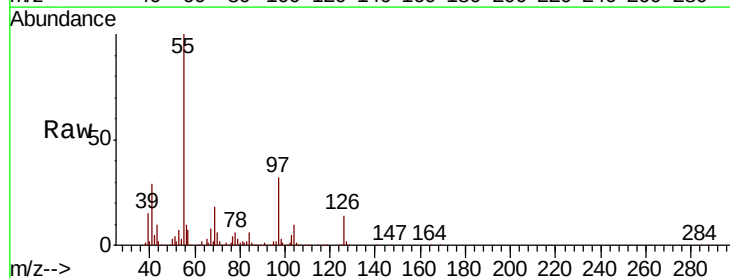
Instrument :
MSVOA_L
ClientSampleId :
KSV-03

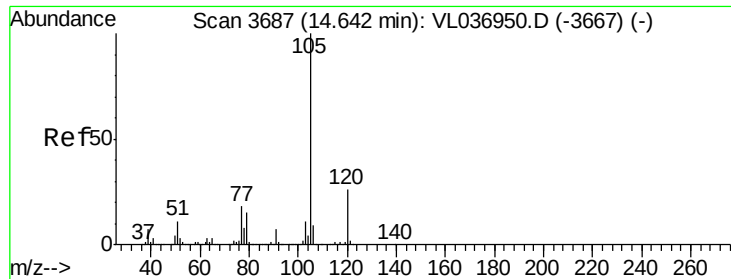
Tot Ion: 91 Resp: 38543
Ion Ratio Lower Upper
91 100
106 75.9 23.4 70.3#



#61
Styrene
Concen: 0.343 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 104 Resp: 71105
Ion Ratio Lower Upper
104 100
78 63.7 39.0 58.6#
103 50.2 38.0 57.0





#62

Isopropylbenzene

Concen: 0.045 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

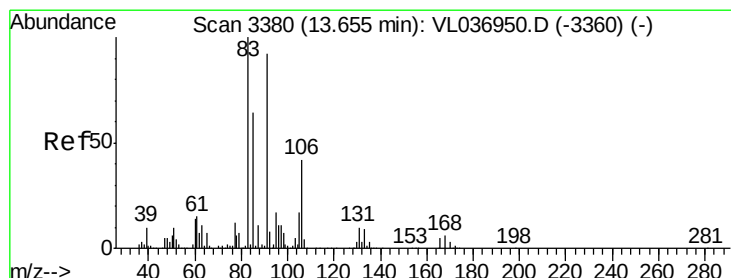
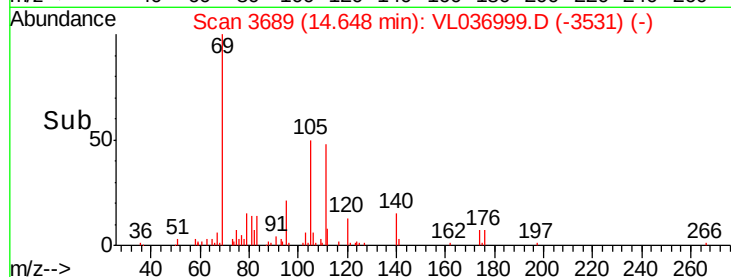
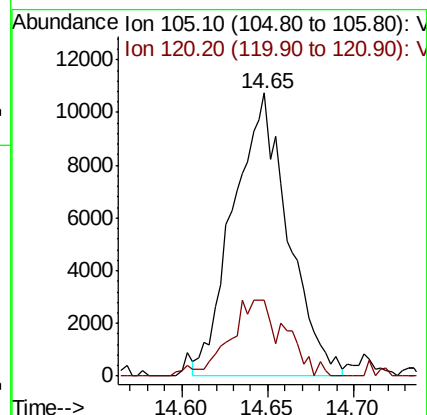
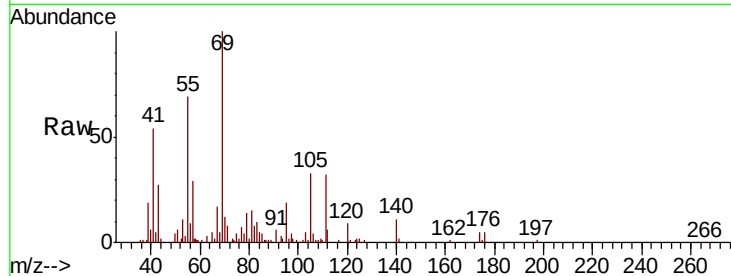
KSV-03

Tot Ion:105 Resp: 23815

Ion Ratio Lower Upper

105 100

120 27.6 21.7 32.5



#63

1,1,2,2-Tetrachloroethane

Concen: 0.721 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.02 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

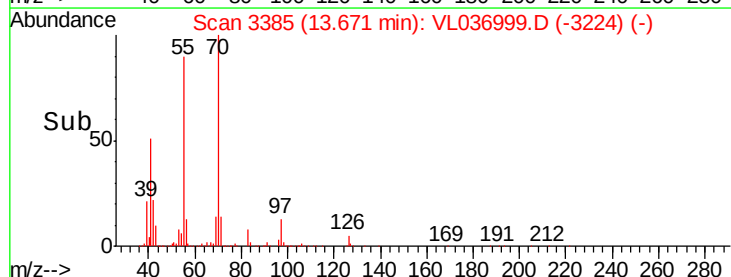
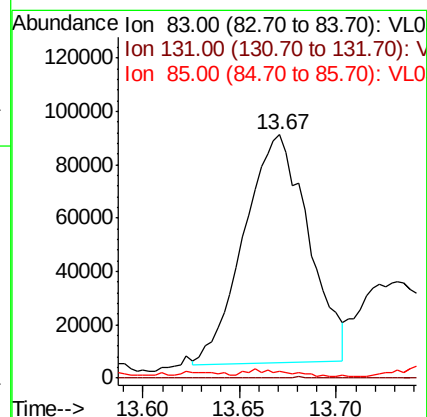
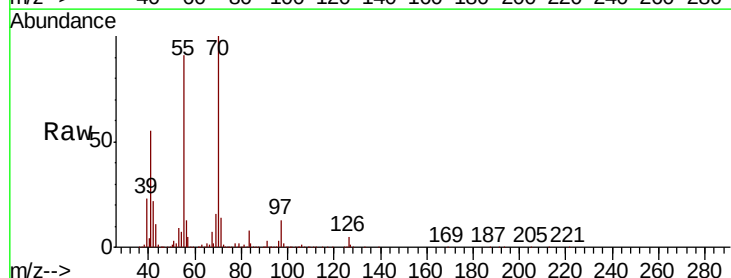
Tgt Ion: 83 Resp: 198174

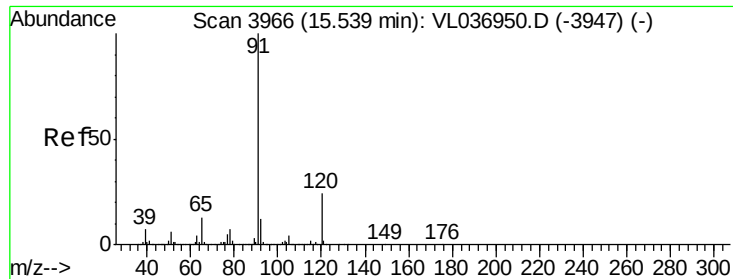
Ion Ratio Lower Upper

83 100

131 0.2 5.0 15.0#

85 3.5 32.9 98.6#





#64

n-propylbenzene

Concen: 0.048 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.01 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

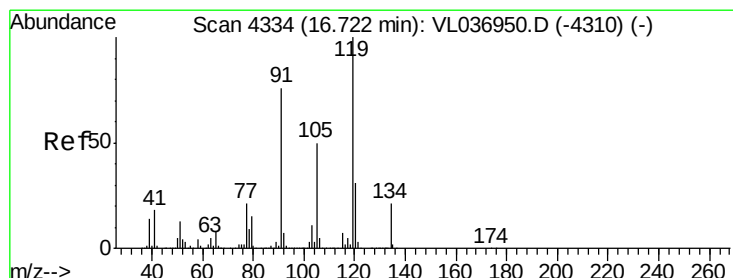
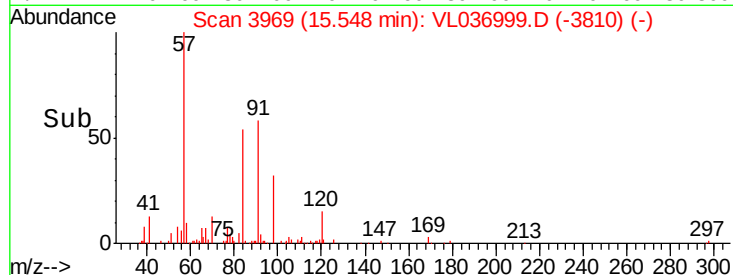
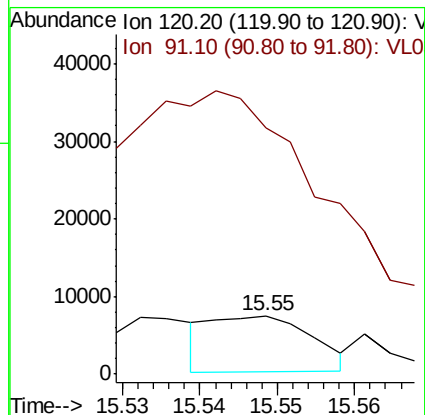
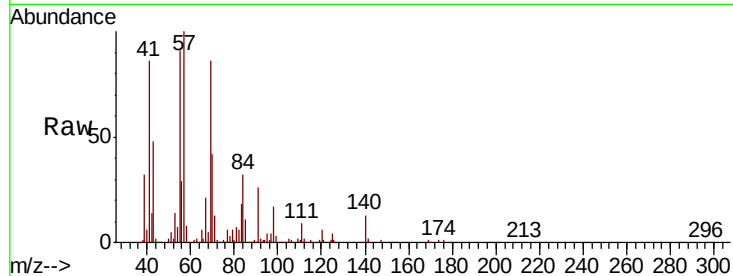
KSV-03

Tot Ion:120 Resp: 6485

Ion Ratio Lower Upper

120 100

91 1861.9 343.8 515.6#



#65

tert-Butylbenzene

Concen: 0.061 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

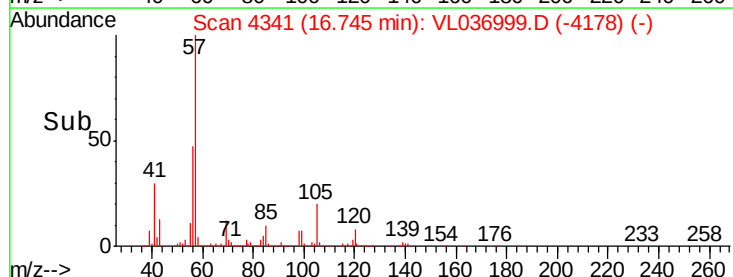
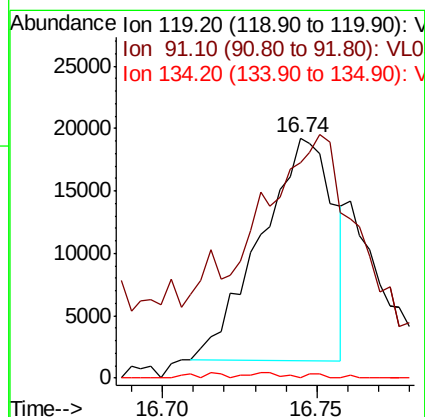
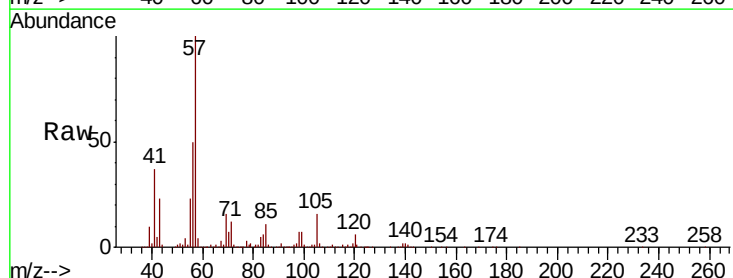
Tgt Ion:119 Resp: 29010

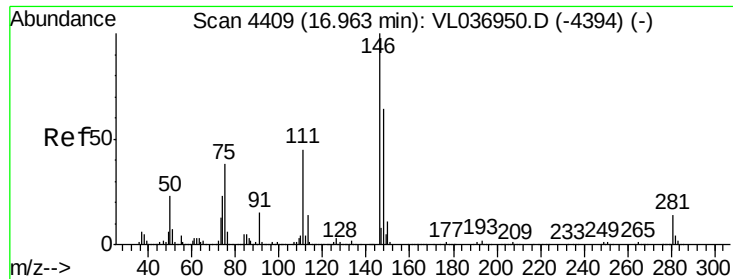
Ion Ratio Lower Upper

119 100

91 173.6 61.9 92.9#

134 0.0 16.2 24.4#

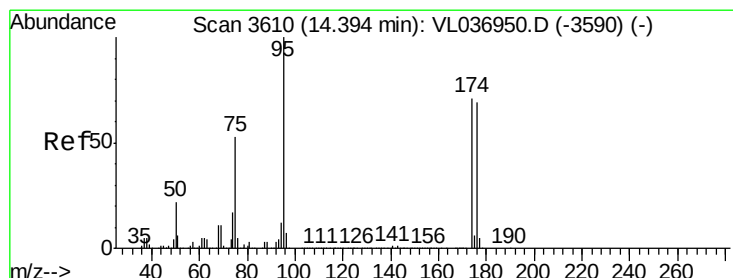
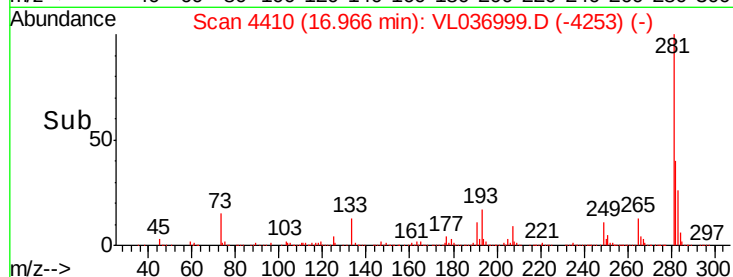
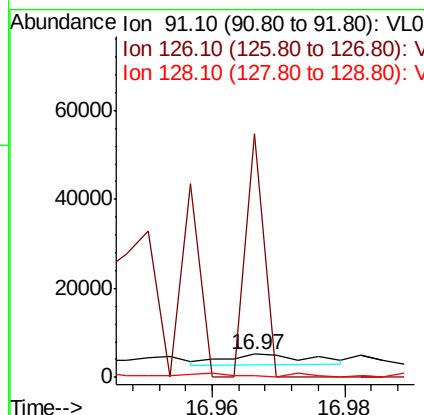
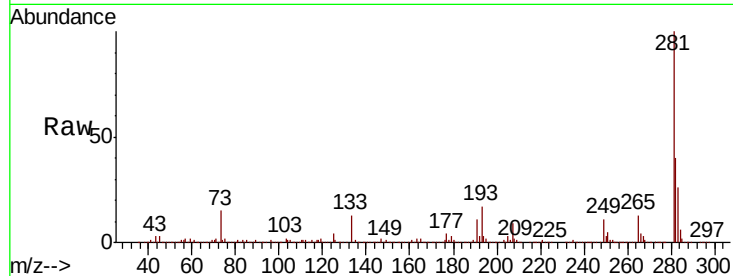




#66
Benzyl Chloride
Concen: 0.079 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

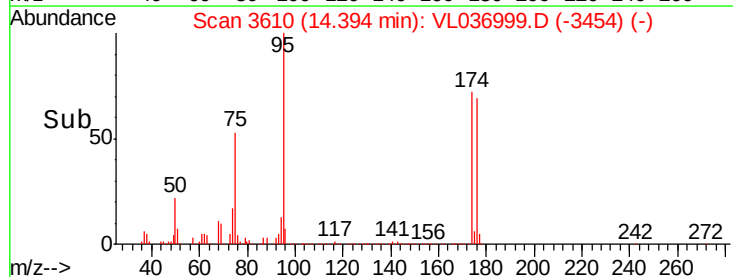
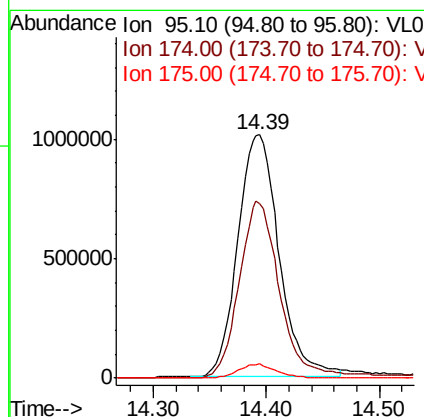
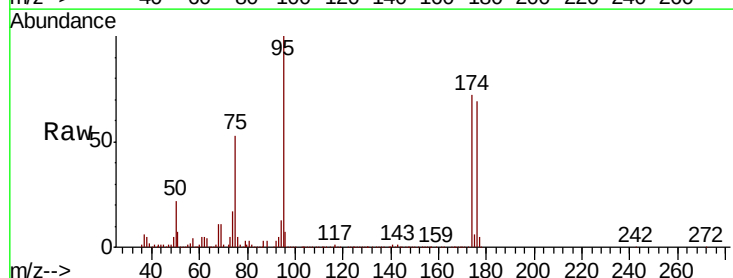
Instrument :
MSVOA_L
ClientSampleId :
KSV-03

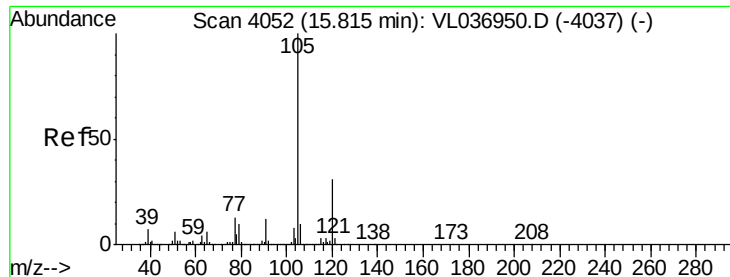
Tot Ion: 91 Resp: 2097
Ion Ratio Lower Upper
91 100
126 0.0 16.5 24.7#
128 0.0 5.5 8.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.401 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL036999.D
Acq: 19 May 2021 19:47

Tgt Ion: 95 Resp: 2584380
Ion Ratio Lower Upper
95 100
174 74.0 58.4 87.6
175 5.5 4.4 6.6





#72

4-Ethyltoluene

Concen: 0.098 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

Tot Ion:105 Resp: 42790

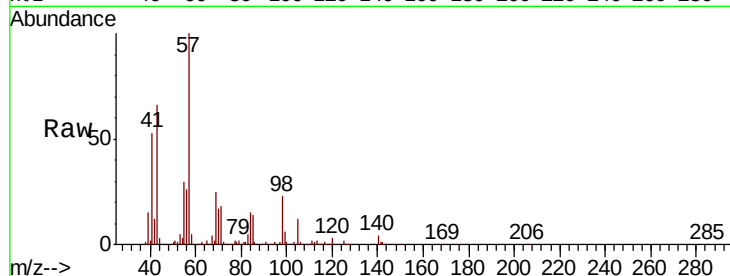
Ion Ratio Lower Upper

105 100

120 72.2 24.6 37.0#

91 49.2 9.8 14.6#

77 25.0 10.4 15.6#

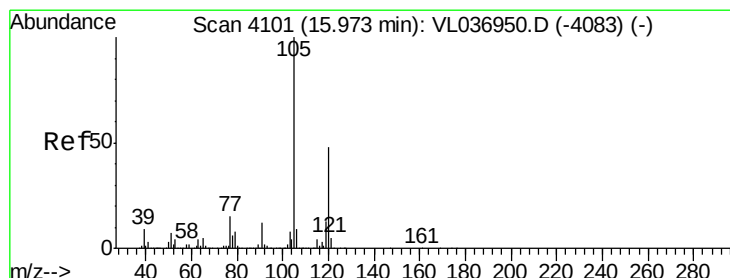
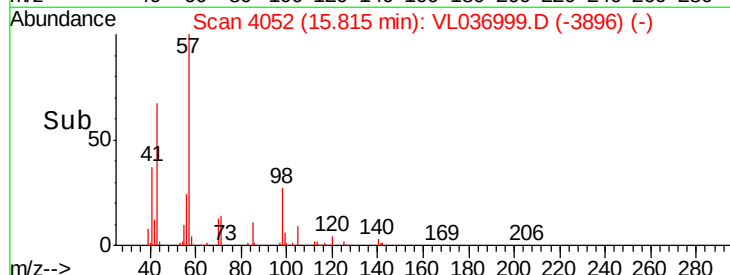
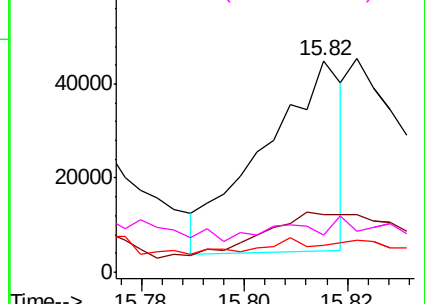


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.378 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL036999.D

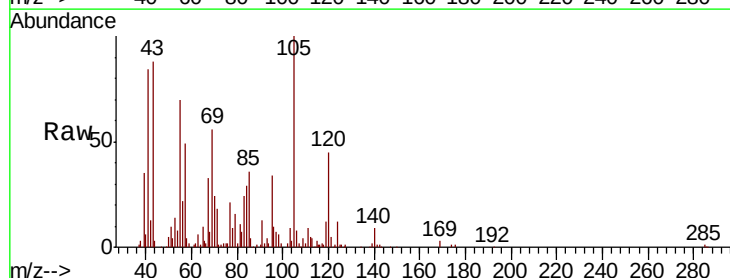
Acq: 19 May 2021 19:47

Tgt Ion:105 Resp: 154855

Ion Ratio Lower Upper

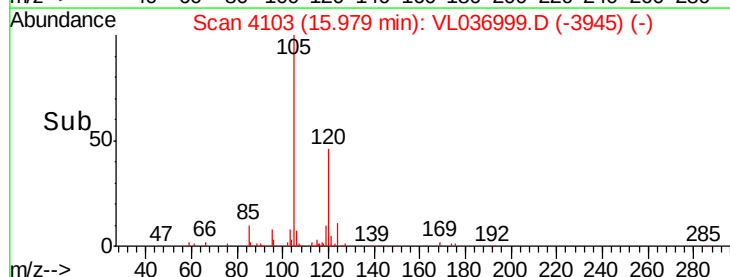
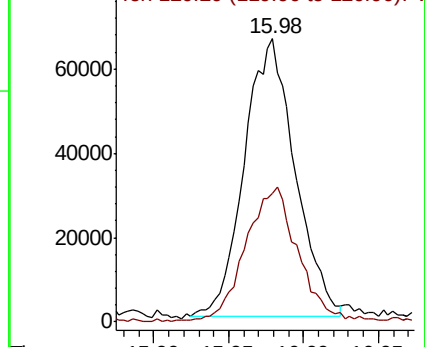
105 100

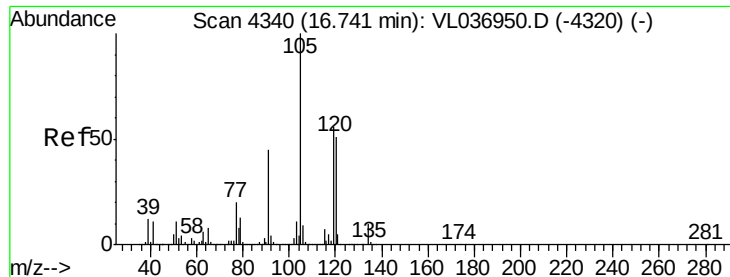
120 45.7 38.6 58.0



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: 0.460 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

KSV-03

Tot Ion:105 Resp: 195282

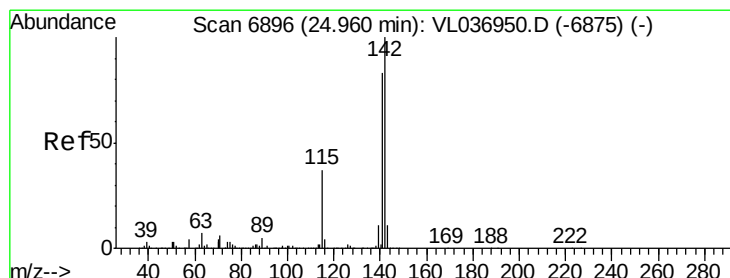
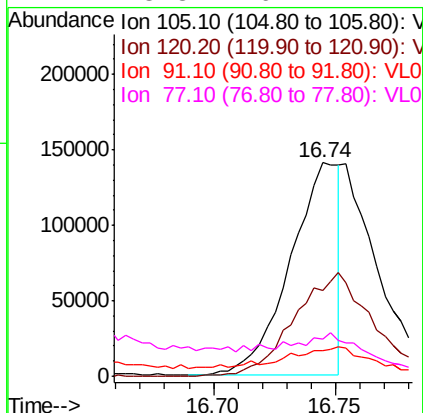
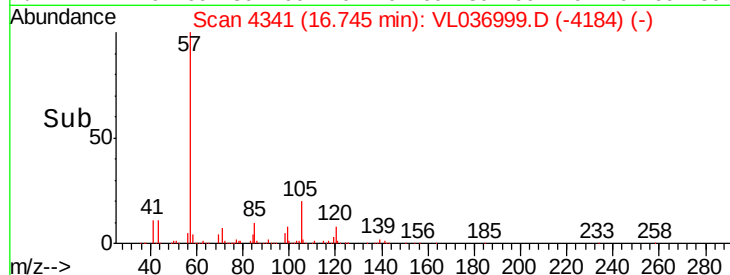
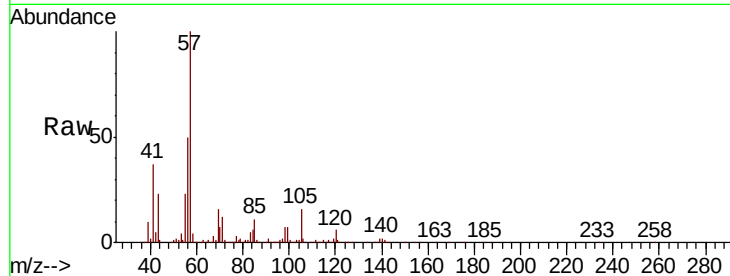
Ion Ratio Lower Upper

105 100

120 40.1 40.6 61.0#

91 7.8 37.4 56.0#

77 3.3 16.2 24.4#



#80

Naphthalene, 2-methyl-

Concen: 0.034 ppbv

RT: 24.94 min Scan# 6891

Delta R.T. -0.02 min

Lab File: VL036999.D

Acq: 19 May 2021 19:47

Tgt Ion:142 Resp: 2431

Ion Ratio Lower Upper

142 100

141 129.7 69.3 103.9#

115 14.6 29.1 43.7#

