

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037008.D
 Acq On : 20 May 2021 1:47
 Operator : SY/AP
 Sample : M2424-14
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-01

Quant Time: May 20 06:34:57 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	1075003	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3108738	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2869058	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2188803	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	34781	0.191	ppbv 97
3) Chlorodifluoromethane	2.97	51	51844	0.263	ppbv # 86
4) Chloromethane	3.12	50	8043	0.120	ppbv # 86
7) Chloroethane	3.54	64	3385	0.142	ppbv 91
9) Propene	3.00	41	231145	3.278	ppbv 84
10) Heptane	8.10	43	63218	0.360	ppbv 93
11) Trichlorofluoromethane	3.93	101	51886	0.307	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5720	0.048	ppbv # 60
13) Ethanol	3.60	45	1377107	146.356	ppbv 95
15) Acetone	3.83	43	7286985	66.180	ppbv 99
16) 1,3-Butadiene	3.34	39	90535	1.323	ppbv # 10
17) tert-Butyl alcohol	4.29	59	79072	0.784	ppbv # 91
19) Isopropyl Alcohol	3.96	45	198156	3.348	ppbv # 1
20) Methylene Chloride	4.32	84	1409962	23.888	ppbv 99
23) Vinyl Acetate	5.04	43	37724	0.216	ppbv # 11
24) 1,1-Dichloroethane	4.99	63	41223	0.328	ppbv 98
25) Ethyl Acetate	5.66	43	1039243	3.928	ppbv # 82
26) Hexane	5.66	57	1322733	9.786	ppbv # 44
27) Carbon Disulfide	4.53	76	137011	1.006	ppbv 98
29) Chloroform	5.73	83	185207	0.970	ppbv 91
30) Cyclohexane	7.10	84	22327	0.194	ppbv # 71
32) 1,1,1-Trichloroethane	6.48	97	499931	2.438	ppbv 98
34) 2-Butanone	5.22	43	490983	4.337	ppbv 97
36) Benzene	6.86	78	226502	0.846	ppbv 96
39) 1,2-Dichloropropane	7.15	63	739853	7.172	ppbv # 25
41) Tetrahydrofuran	6.01	42	7343	0.114	ppbv # 44
43) Methyl Methacrylate	8.02	69	24089	0.261	ppbv # 26
44) 2,2,4-Trimethylpentane	7.85	57	71617	0.156	ppbv # 42
50) 4-Methyl-2-Pentanone	8.73	43	58190	0.312	ppbv 95
51) 2-Hexanone	10.12	43	15658	0.159	ppbv # 1
52) Tetrachloroethene	11.19	164	194260	1.824	ppbv 98
53) Toluene	9.78	91	1372267	4.307	ppbv 98
58) Ethyl Benzene	12.68	91	148528	0.367	ppbv 98
59) m/p-Xylene	12.94	91	246811	0.737	ppbv 97
60) o-Xylene	13.66	91	102558	0.321	ppbv 98
61) Styrene	13.50	104	21394	0.119	ppbv # 6
62) Isopropylbenzene	14.64	105	25127	0.055	ppbv 98
63) 1,1,2,2-Tetrachloroethane	13.66	83	120009	0.503	ppbv # 26
64) n-propylbenzene	15.53	120	5428	0.046	ppbv # 1
65) tert-Butylbenzene	16.73	119	18458	0.045	ppbv # 1
72) 4-Ethyltoluene	15.82	105	89687	0.237	ppbv # 89

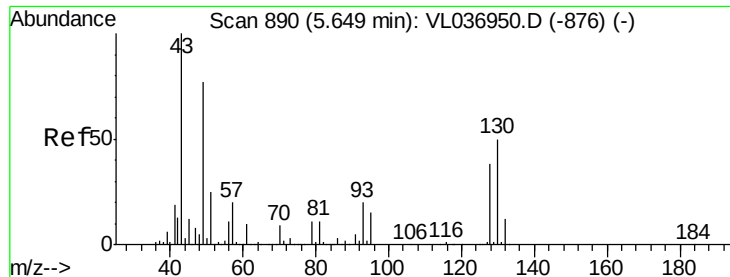
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037008.D
Acq On : 20 May 2021 1:47
Operator : SY/AP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue 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)
73) 1,3,5-Trimethylbenzene	15.97	105	114931	0.323	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	321179	0.873	ppbv #	71

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

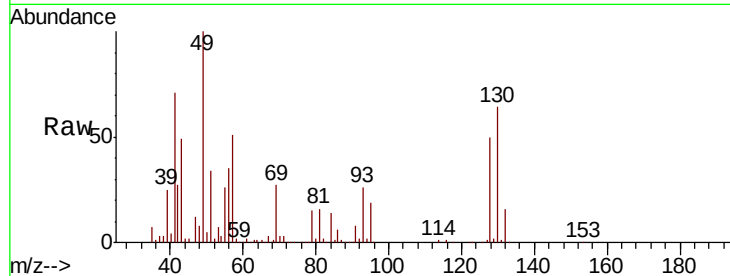
Tot Ion: 49 Resp: 1075003

Ion Ratio Lower Upper

49 100

128 52.8 26.9 80.7

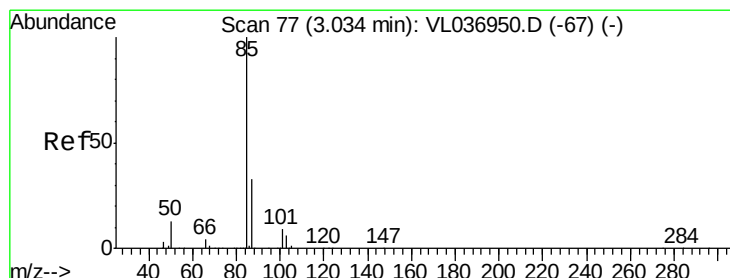
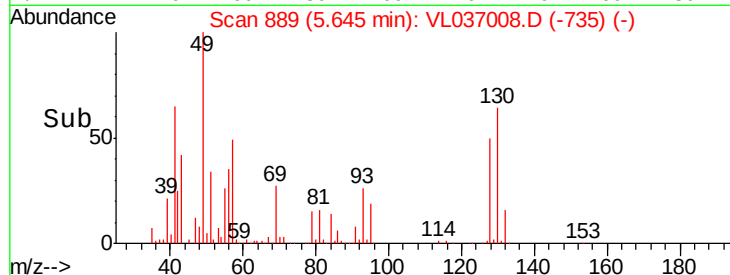
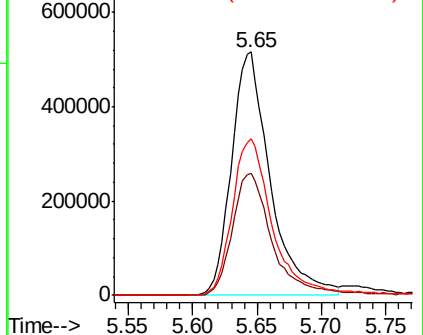
130 67.7 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.191 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037008.D

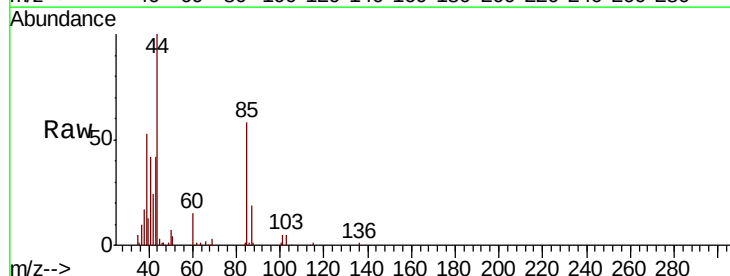
Acq: 20 May 2021 1:47

Tgt Ion: 85 Resp: 34781

Ion Ratio Lower Upper

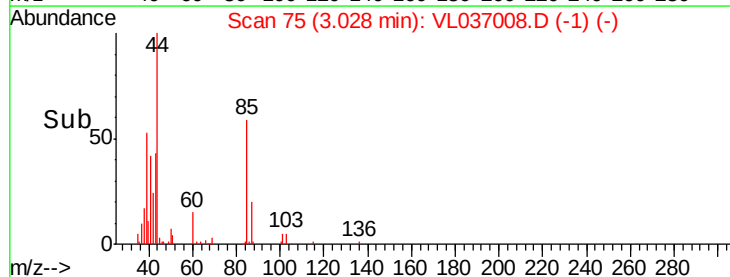
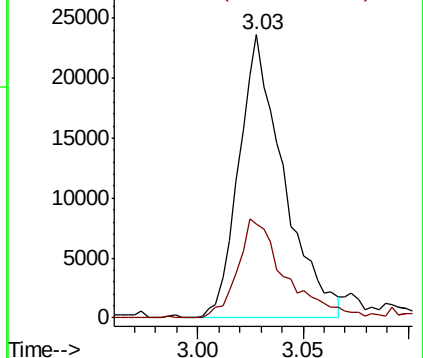
85 100

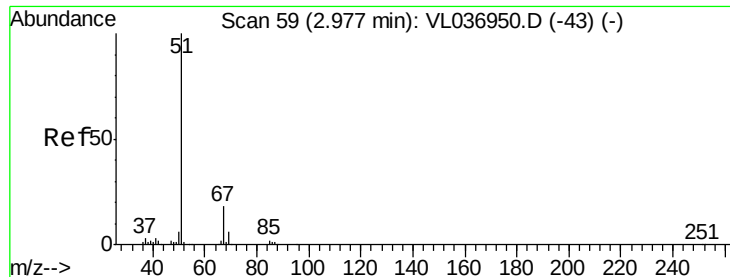
87 34.8 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.263 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

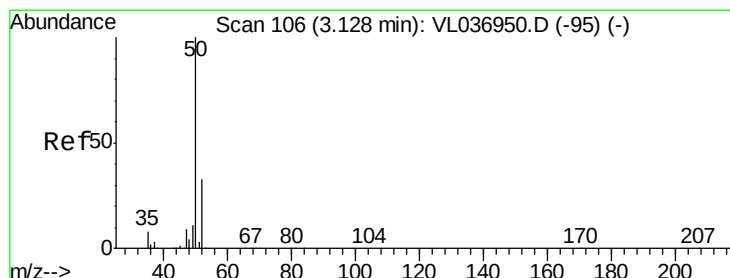
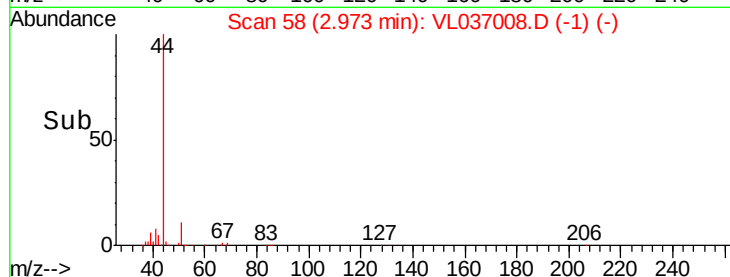
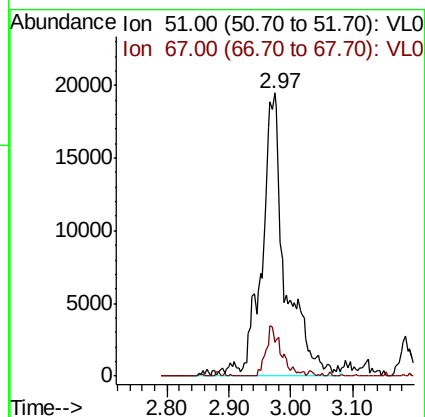
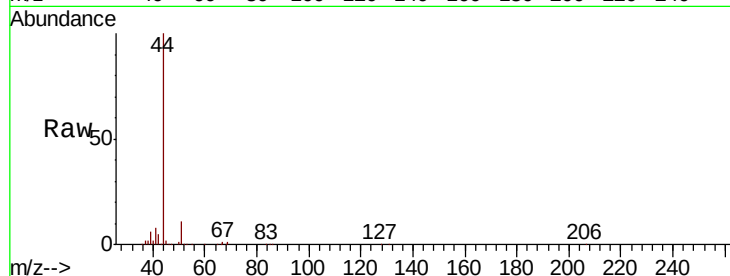
KSS-01

Tot Ion: 51 Resp: 51844

Ion Ratio Lower Upper

51 100

67 12.1 14.6 21.8#



#4

Chloromethane

Concen: 0.120 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037008.D

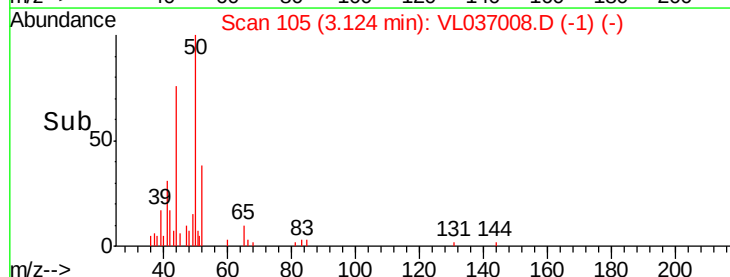
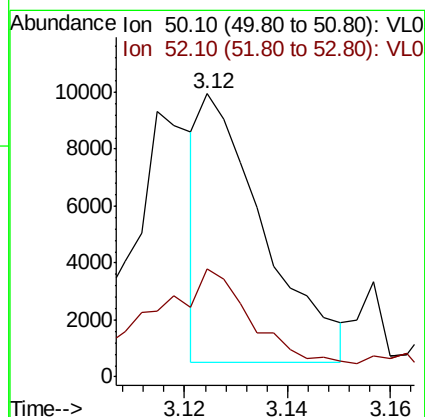
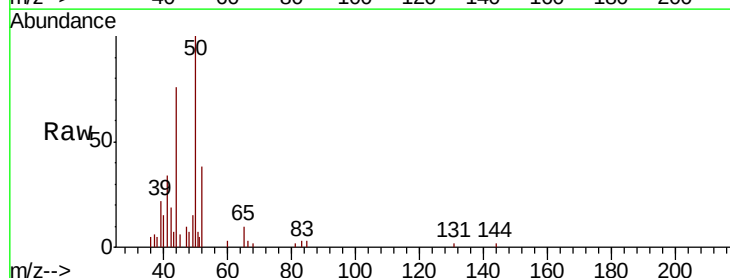
Acq: 20 May 2021 1:47

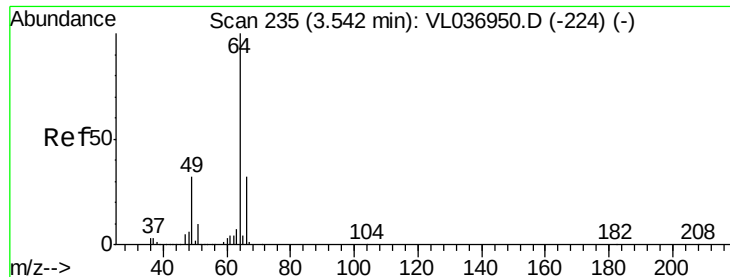
Tgt Ion: 50 Resp: 8043

Ion Ratio Lower Upper

50 100

52 40.5 26.1 39.1#





#7

Chloroethane

Concen: 0.142 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

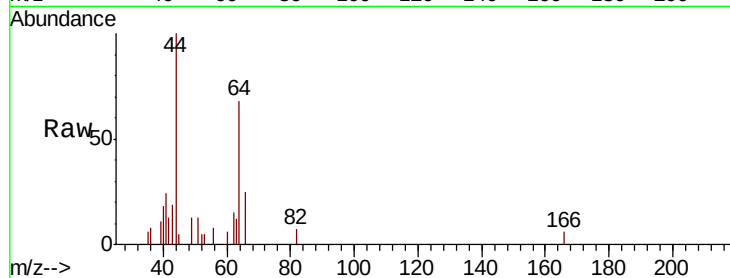
KSS-01

Tot Ion: 64 Resp: 3385

Ion Ratio Lower Upper

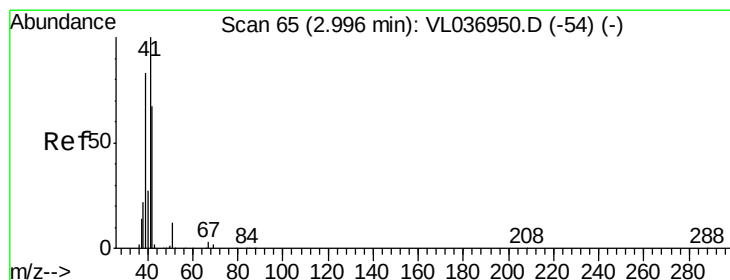
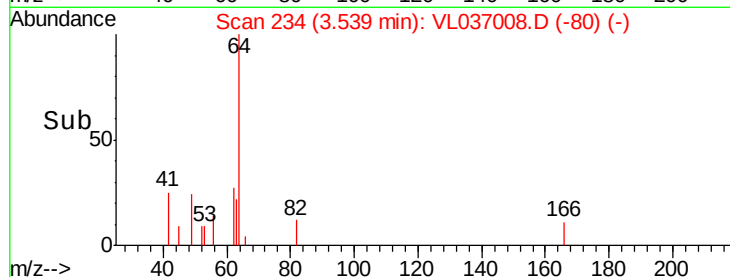
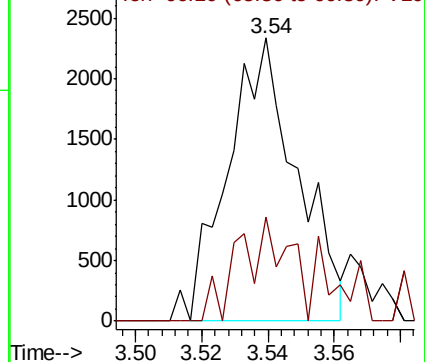
64 100

66 36.7 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: 3.278 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037008.D

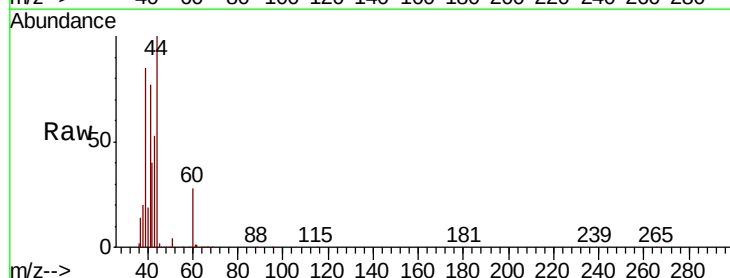
Acq: 20 May 2021 1:47

Tgt Ion: 41 Resp: 231145

Ion Ratio Lower Upper

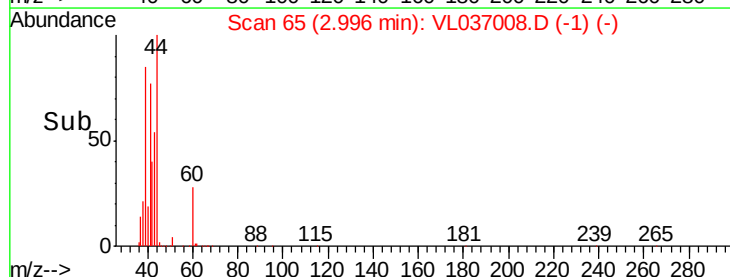
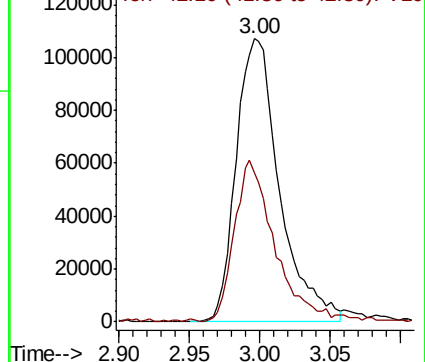
41 100

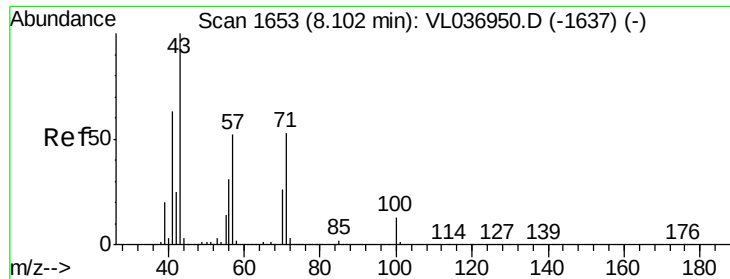
42 54.8 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

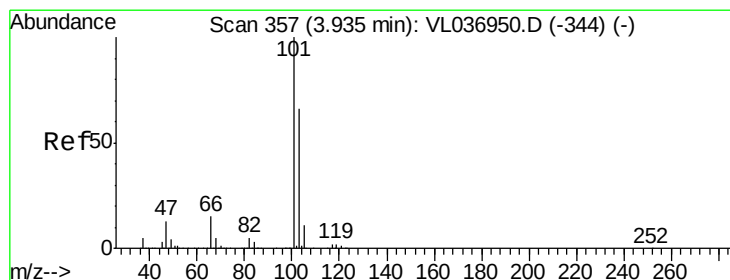
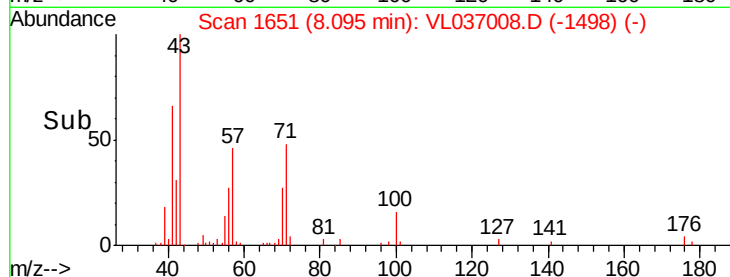
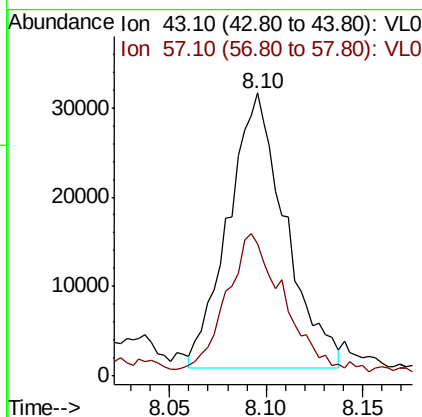
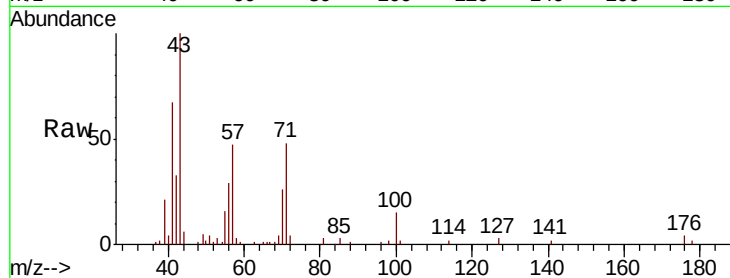




#10
 Heptane
 Concen: 0.360 ppbv
 RT: 8.10 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

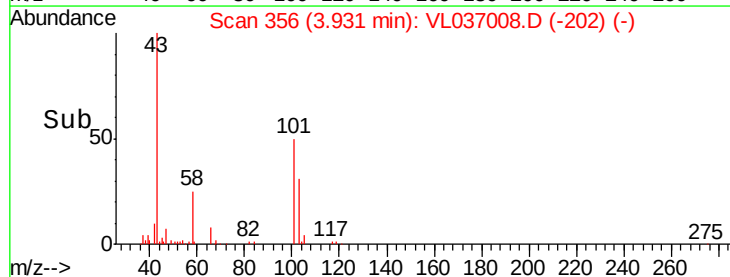
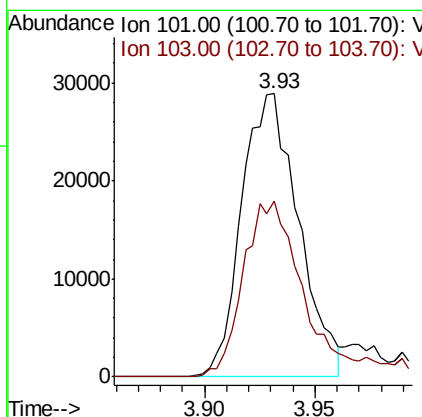
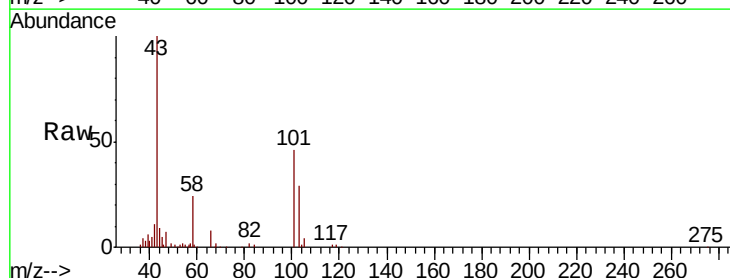
Instrument :
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 KSS-01

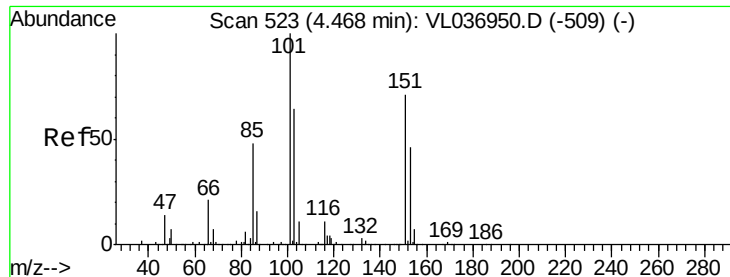
Tot Ion: 43 Resp: 63218
 Ion Ratio Lower Upper
 43 100
 57 56.0 41.0 61.6



#11
 Trichlorofluoromethane
 Concen: 0.307 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

Tgt Ion: 101 Resp: 51886
 Ion Ratio Lower Upper
 101 100
 103 62.0 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.048 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

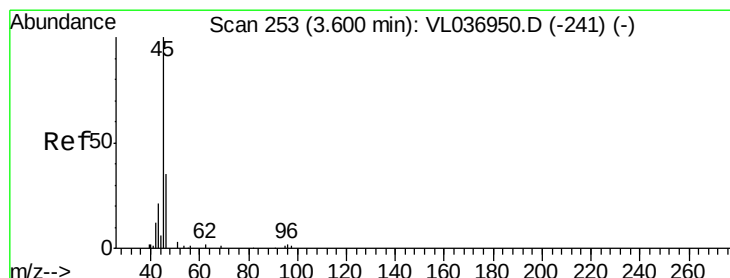
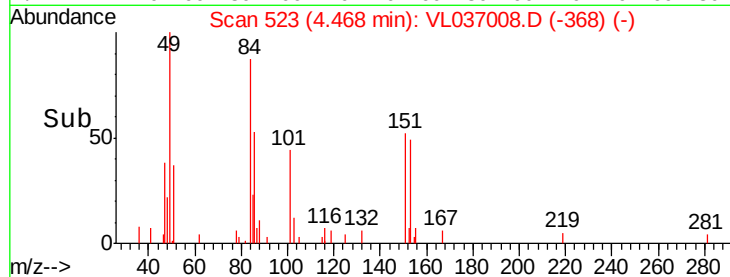
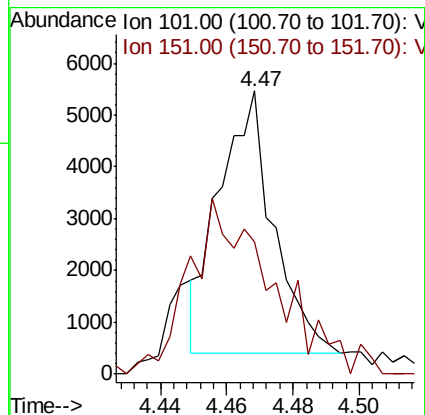
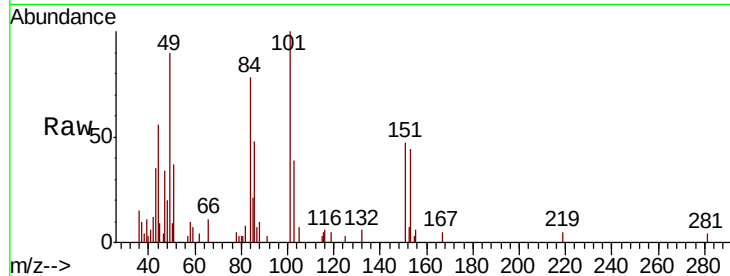
KSS-01

Tot Ion:101 Resp: 5720

Ion Ratio Lower Upper

101 100

151 105.2 57.7 86.5#



#13

Ethanol

Concen: 146.356 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037008.D

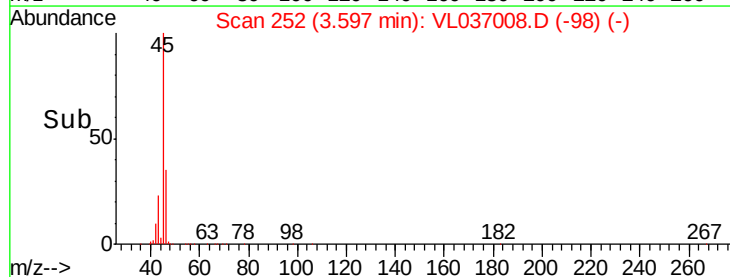
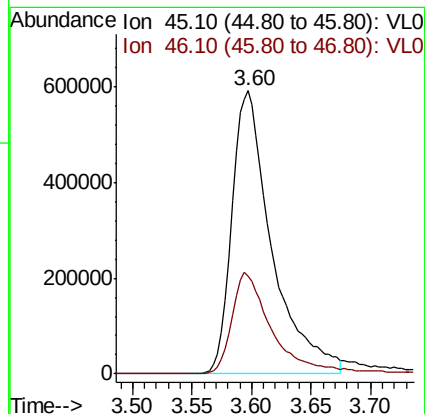
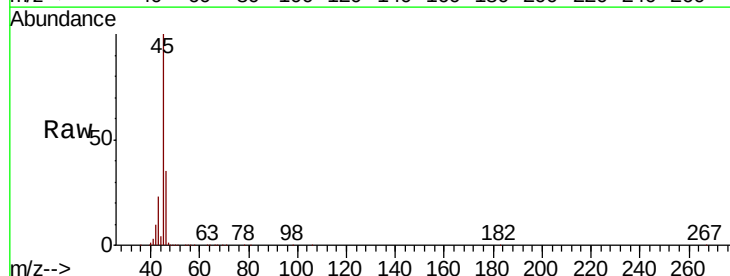
Acq: 20 May 2021 1:47

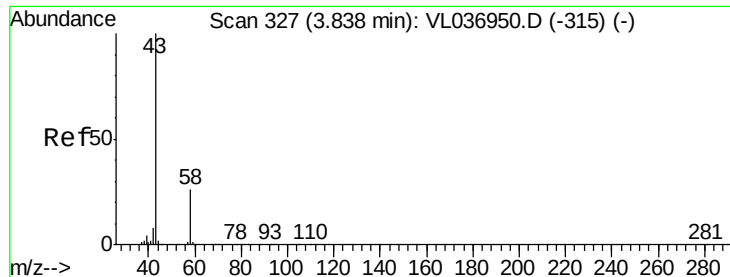
Tgt Ion: 45 Resp: 1377107

Ion Ratio Lower Upper

45 100

46 37.4 16.3 65.3

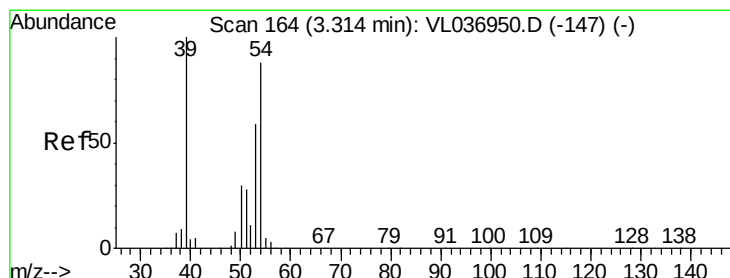
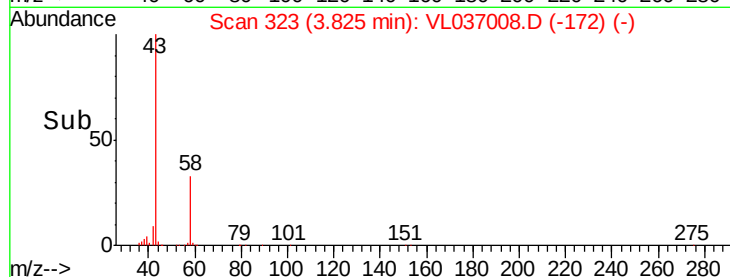
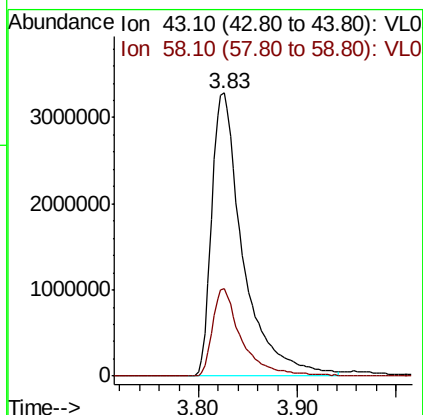
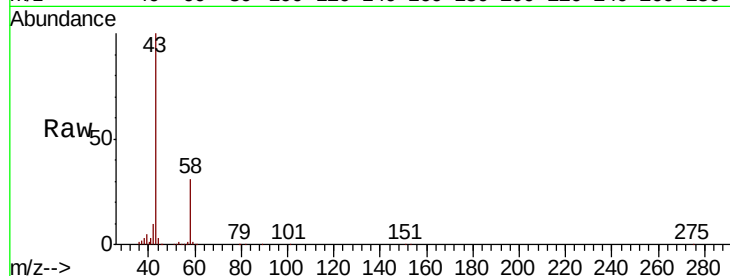




#15
Acetone
Concen: 66.180 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL037008.D
Acq: 20 May 2021 1:47

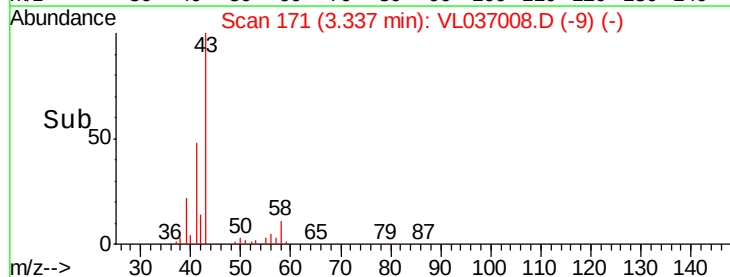
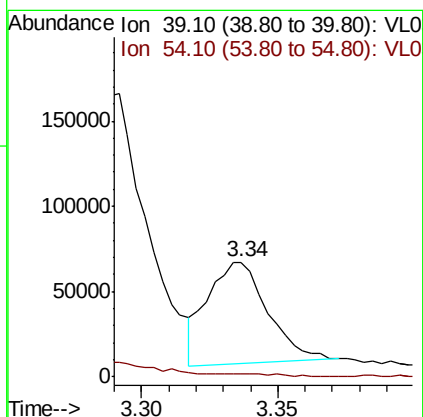
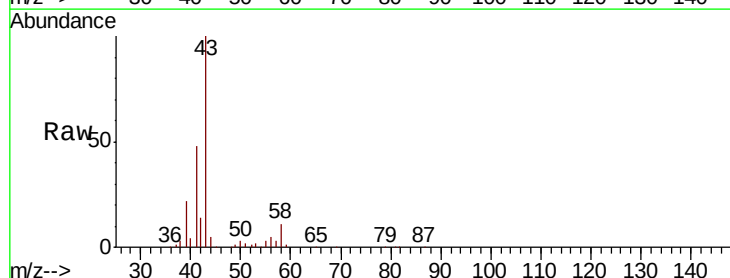
Instrument :
MSVOA_L
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KSS-01

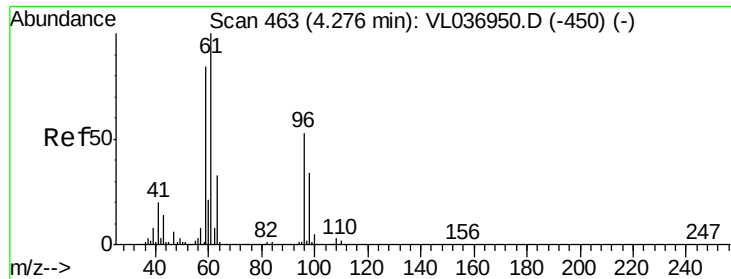
Tot Ion: 43 Resp: 7286985
Ion Ratio Lower Upper
43 100
58 29.4 24.0 36.0



#16
1,3-Butadiene
Concen: 1.323 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037008.D
Acq: 20 May 2021 1:47

Tgt Ion: 39 Resp: 90535
Ion Ratio Lower Upper
39 100
54 0.0 63.2 94.8#

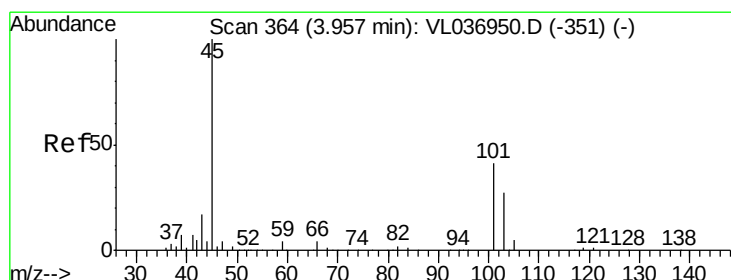
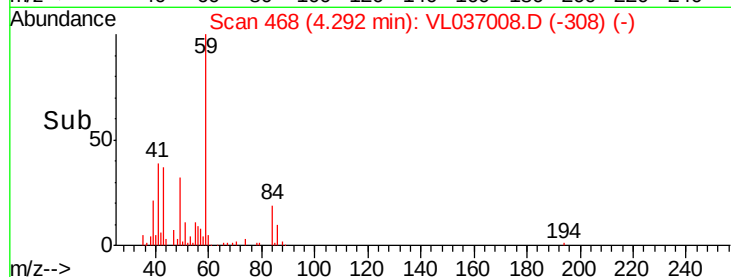
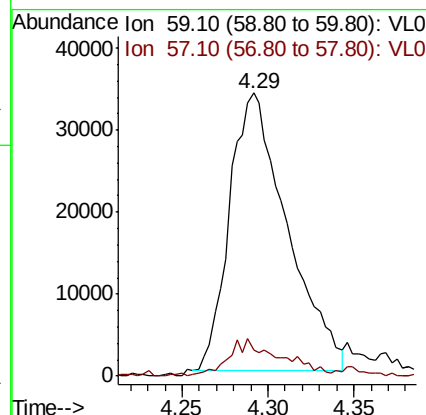
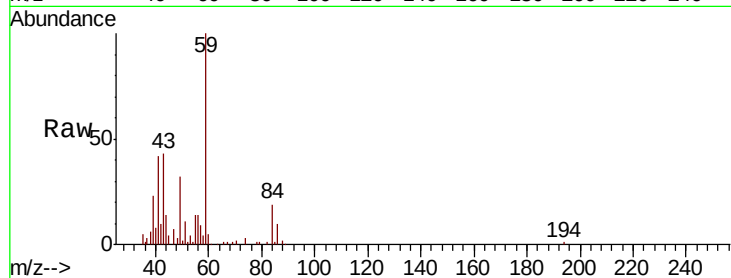




#17
 tert-Butyl alcohol
 Concen: 0.784 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

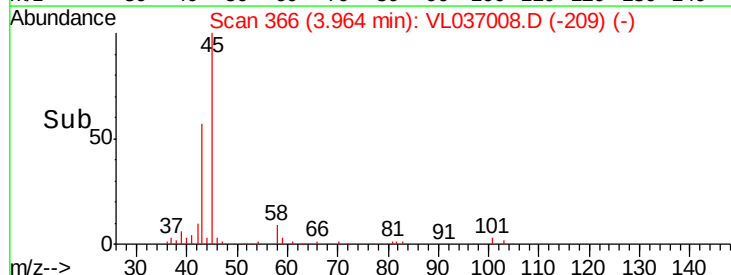
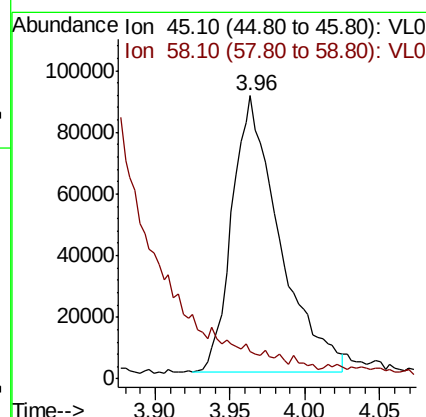
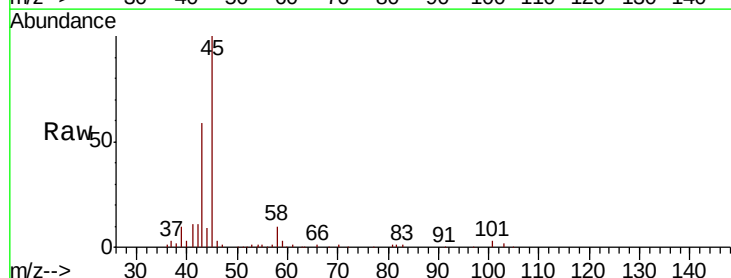
Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-01

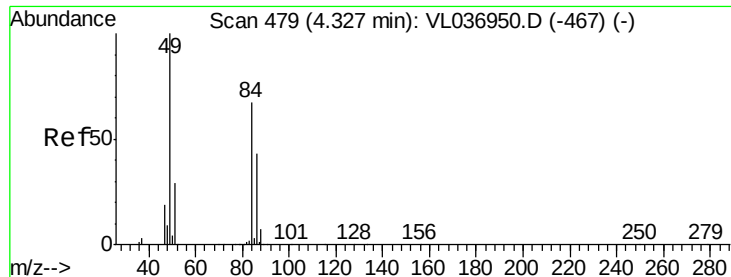
Tot Ion: 59 Resp: 79072
 Ion Ratio Lower Upper
 59 100
 57 13.8 8.3 12.5#



#19
 Isopropyl Alcohol
 Concen: 3.348 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

Tgt Ion: 45 Resp: 198156
 Ion Ratio Lower Upper
 45 100
 58 1088.8 37.2 55.8#



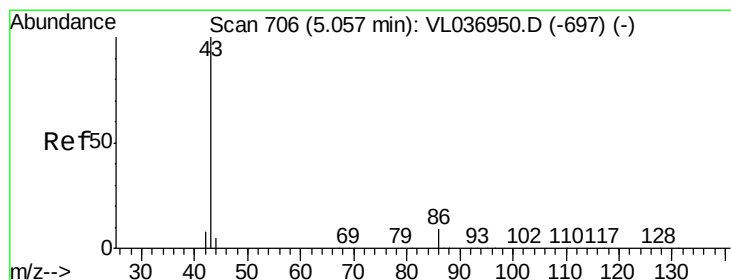
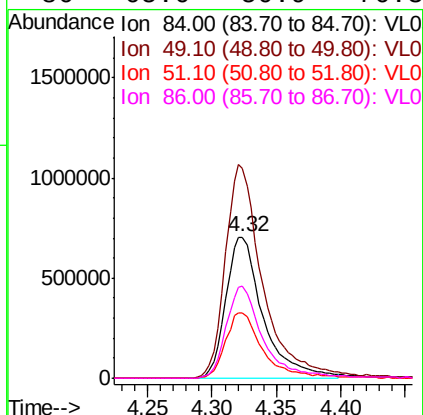
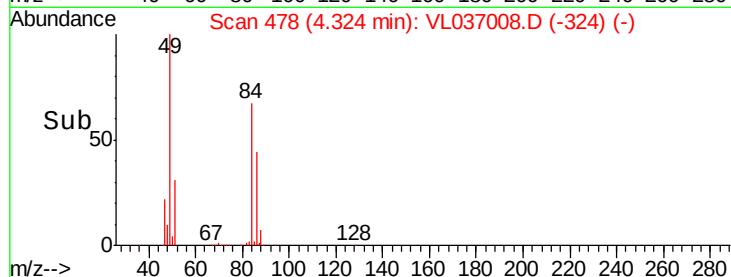
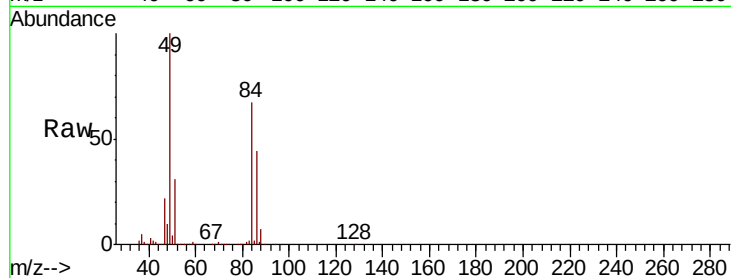


#20
Methylene Chloride
Concen: 23.888 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL037008.D
Acq: 20 May 2021 1:47

Instrument :
MSVOA_L
ClientSampleId :
KSS-01

Tot Ion: 84 Resp: 1409962

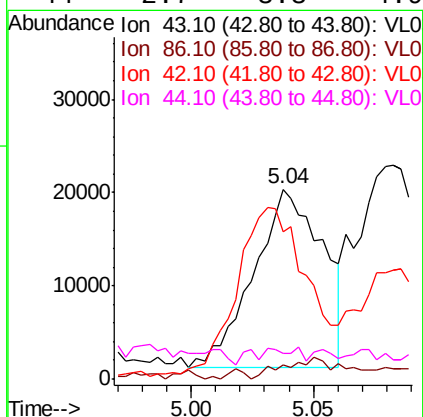
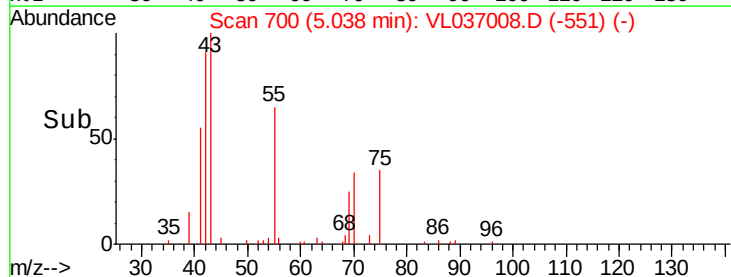
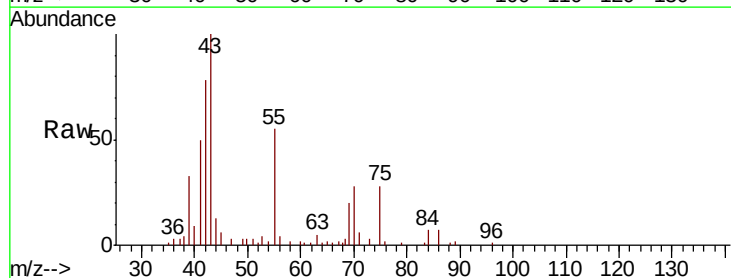
Ion	Ratio	Lower	Upper
84	100		
49	148.8	119.8	179.6
51	46.1	35.1	52.7
86	65.0	50.9	76.3

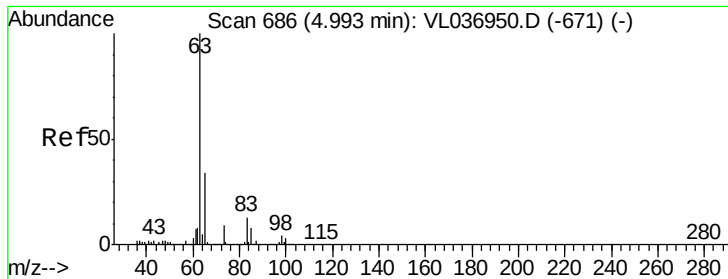


#23
Vinyl Acetate
Concen: 0.216 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.02 min
Lab File: VL037008.D
Acq: 20 May 2021 1:47

Tgt Ion: 43 Resp: 37724

Ion	Ratio	Lower	Upper
43	100		
86	3.0	5.8	8.8#
42	76.9	7.4	11.2#
44	2.7	3.3	4.9#





#24

1,1-Dichloroethane

Concen: 0.328 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

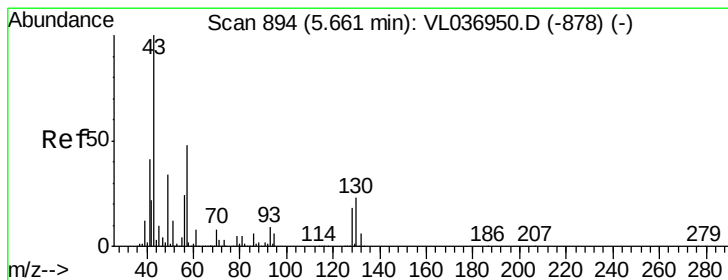
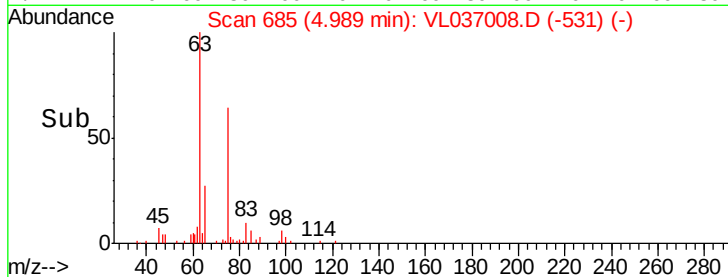
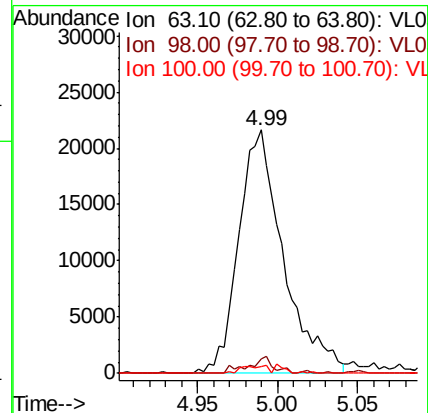
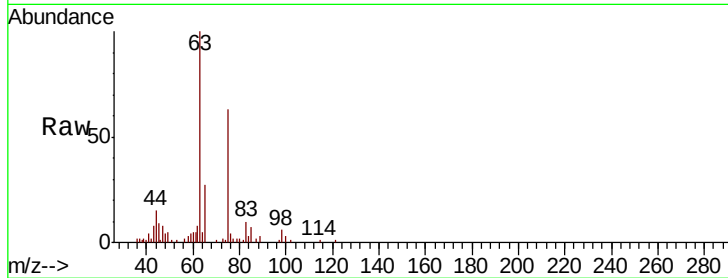
Tot Ion: 63 Resp: 41223

Ion Ratio Lower Upper

63 100

98 5.7 2.3 6.9

100 3.0 1.4 4.0



#25

Ethyl Acetate

Concen: 3.928 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Tgt Ion: 43 Resp: 1039243

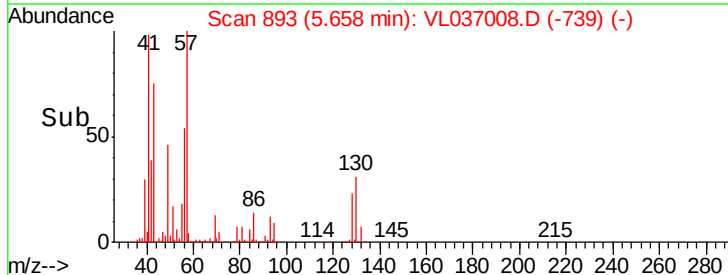
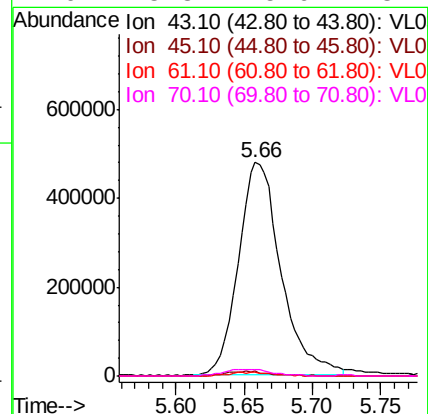
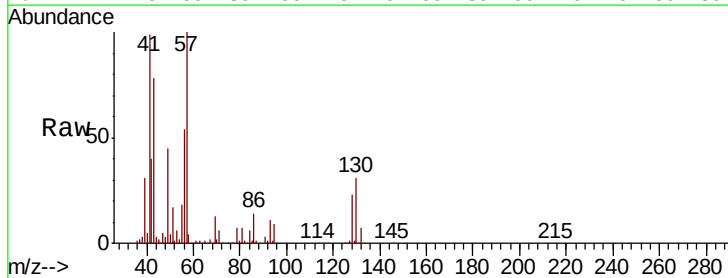
Ion Ratio Lower Upper

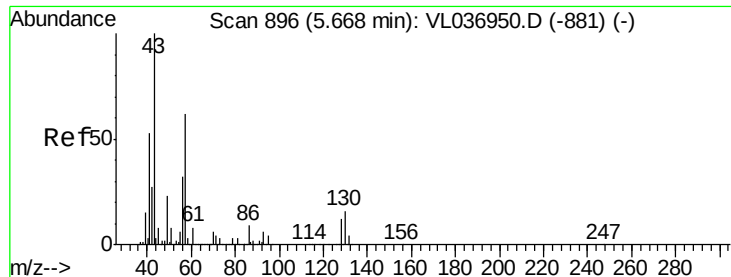
43 100

45 2.1 7.8 11.8#

61 1.9 7.8 11.8#

70 3.8 5.6 8.4#





#26

Hexane

Concen: 9.786 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

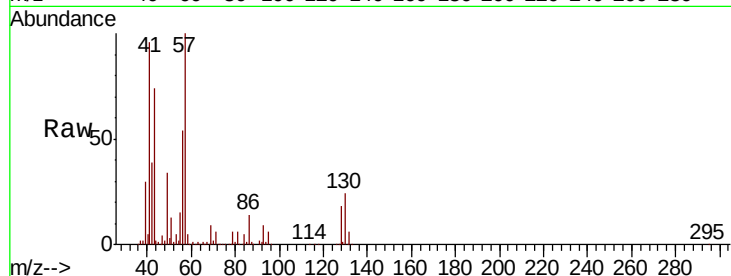
MSVOA_L

ClientSampled :

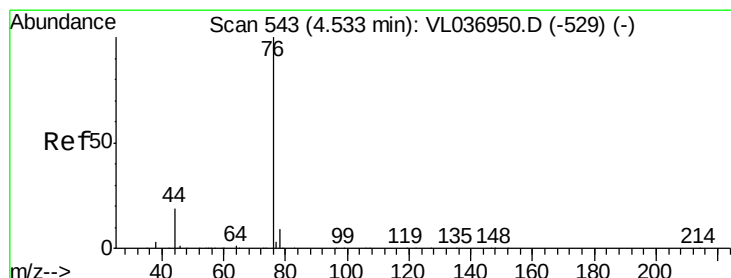
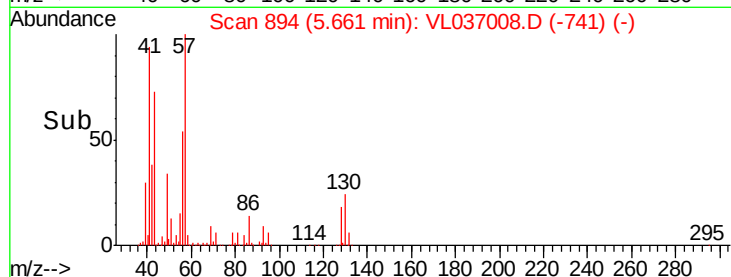
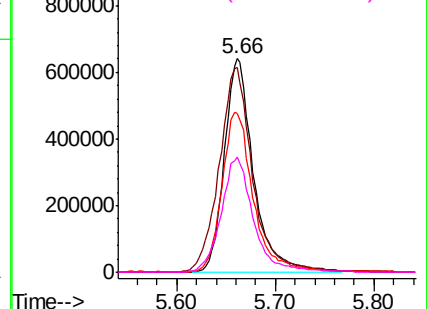
KSS-01

Tot Ion: 57 Resp: 1322733

Ion	Ratio	Lower	Upper
57	100		
41	111.5	70.5	105.7#
43	81.3	165.8	248.8#
56	60.2	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: 1.006 ppbv

RT: 4.53 min Scan# 542

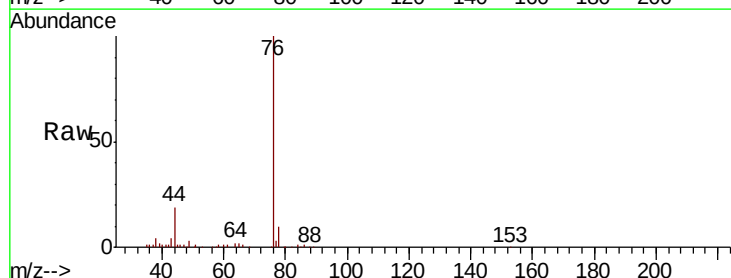
Delta R.T. -0.00 min

Lab File: VL037008.D

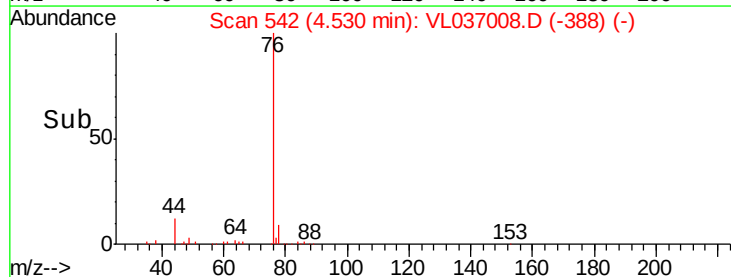
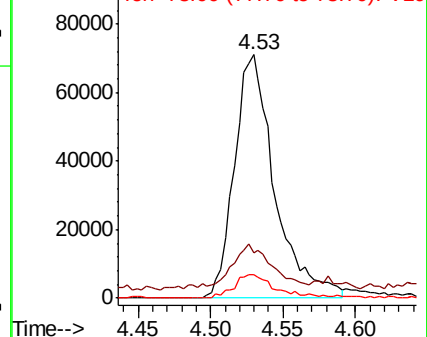
Acq: 20 May 2021 1:47

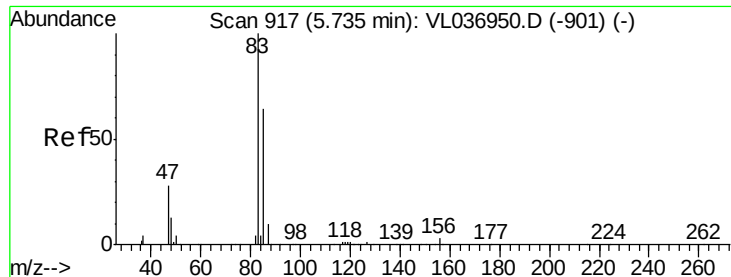
Tgt Ion: 76 Resp: 137011

Ion	Ratio	Lower	Upper
76	100		
44	20.3	15.5	23.3
78	10.5	7.8	11.6



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





#29

Chloroform

Concen: 0.970 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

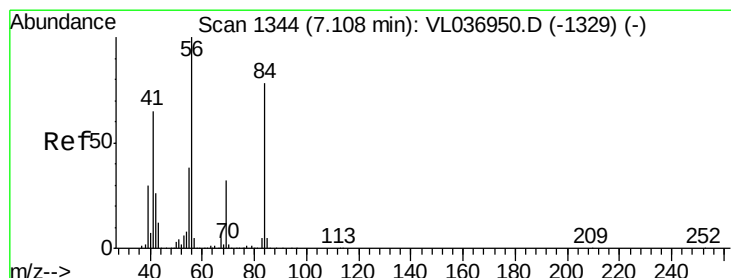
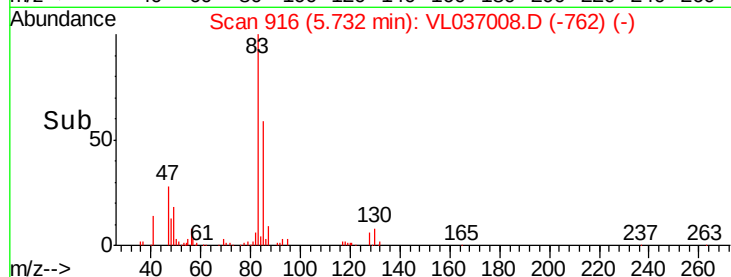
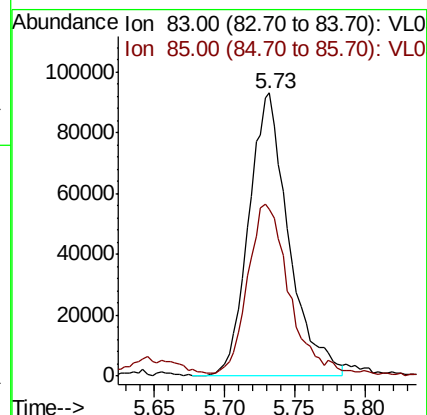
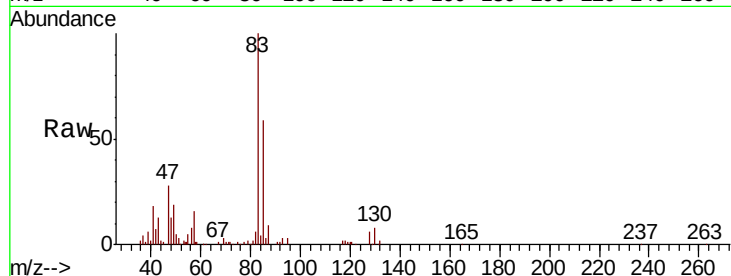
KSS-01

Tot Ion: 83 Resp: 185207

Ion Ratio Lower Upper

83 100

85 56.9 51.1 76.7



#30

Cyclohexane

Concen: 0.194 ppbv

RT: 7.10 min Scan# 1342

Delta R.T. -0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

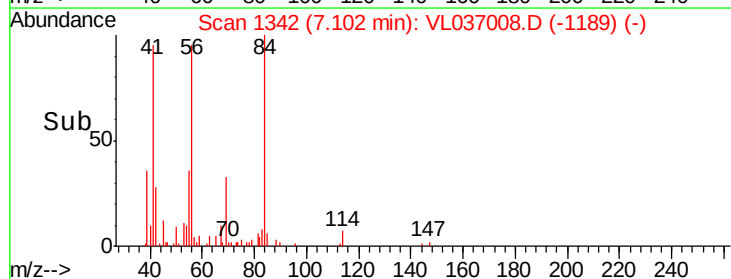
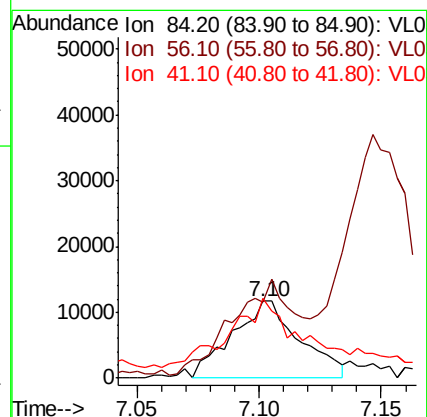
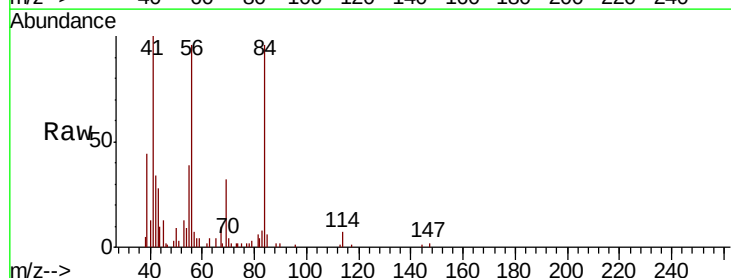
Tgt Ion: 84 Resp: 22327

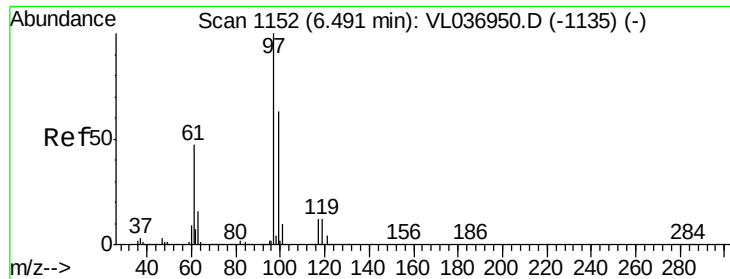
Ion Ratio Lower Upper

84 100

56 130.0 107.9 161.9

41 144.2 65.5 98.3#





#32

1,1,1-Trichloroethane

Concen: 2.438 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

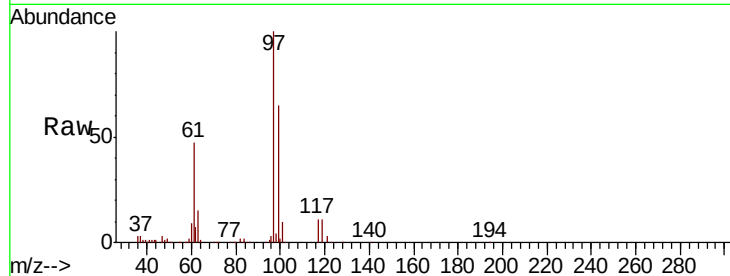
Tot Ion: 97 Resp: 499931

Ion Ratio Lower Upper

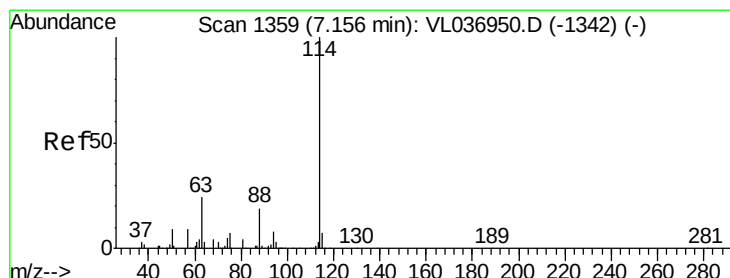
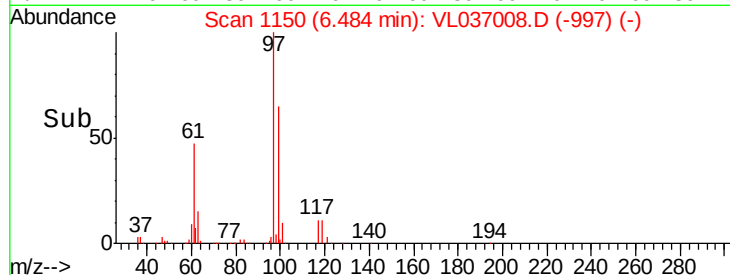
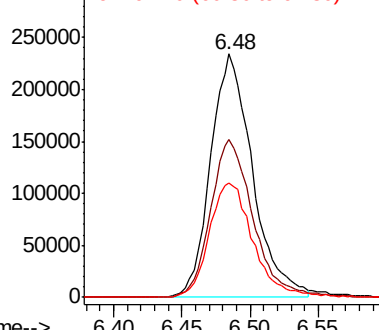
97 100

99 65.9 51.9 77.9

61 49.6 37.6 56.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

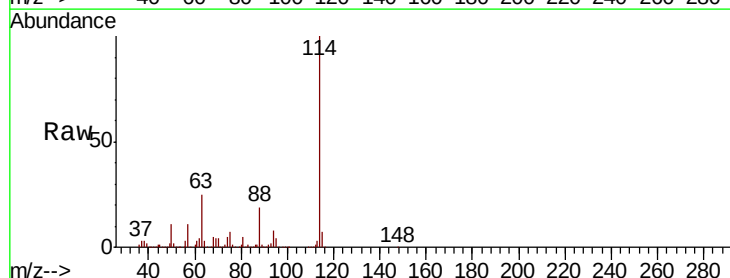
Tgt Ion: 114 Resp: 3108738

Ion Ratio Lower Upper

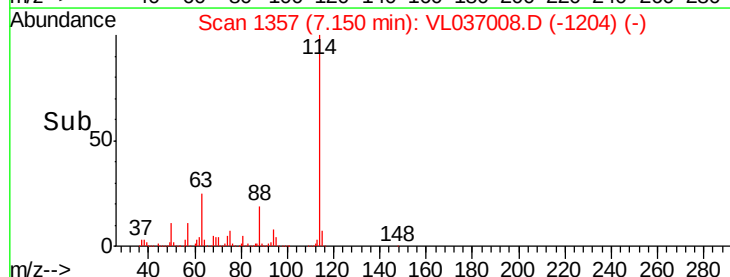
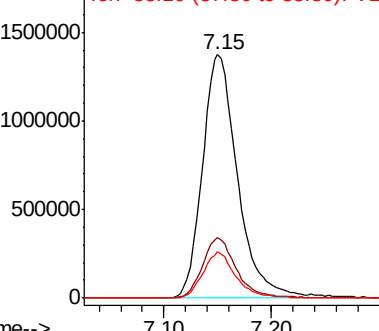
114 100

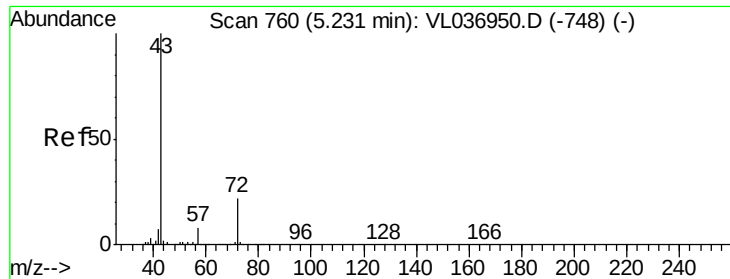
63 24.2 19.6 29.4

88 17.9 14.6 21.8



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

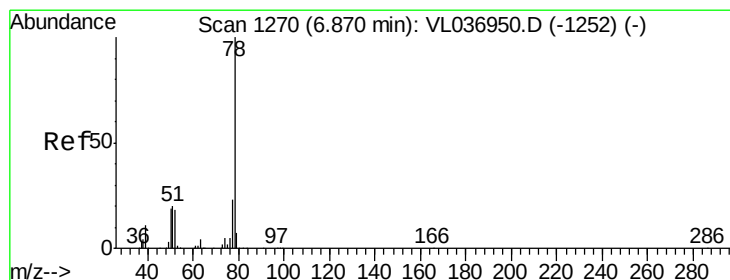
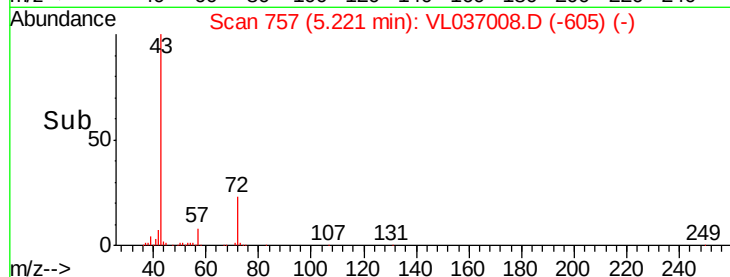
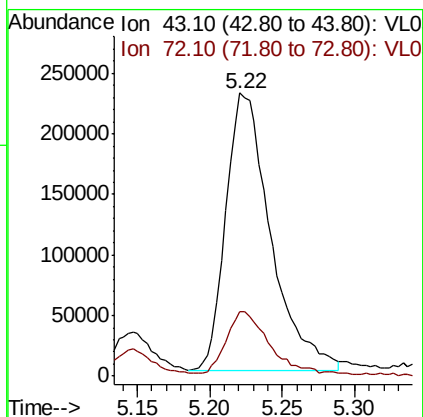
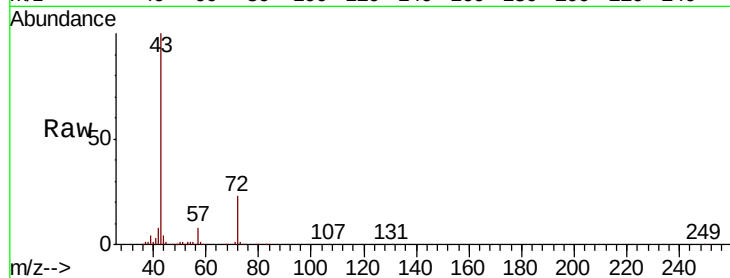




#34
 2-Butanone
 Concen: 4.337 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

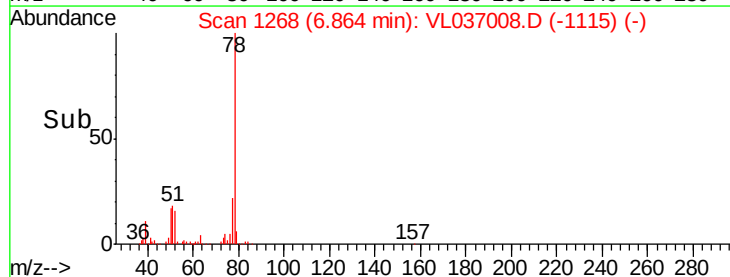
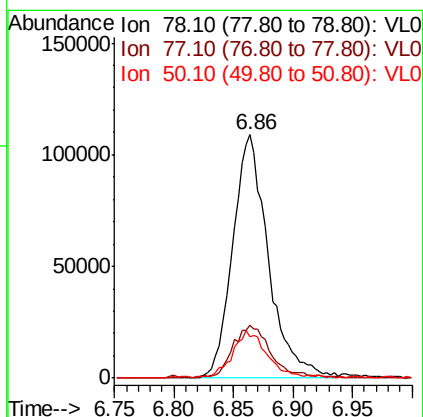
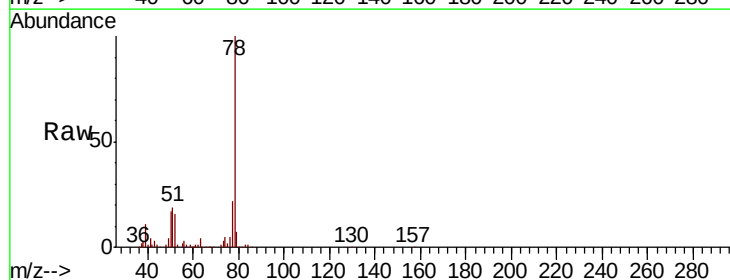
Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-01

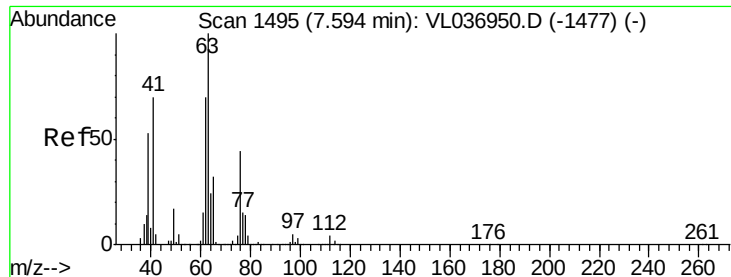
Tot Ion: 43 Resp: 490983
 Ion Ratio Lower Upper
 43 100
 72 25.3 19.0 28.4



#36
 Benzene
 Concen: 0.846 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

Tgt Ion: 78 Resp: 226502
 Ion Ratio Lower Upper
 78 100
 77 21.5 18.6 28.0
 50 16.5 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.172 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

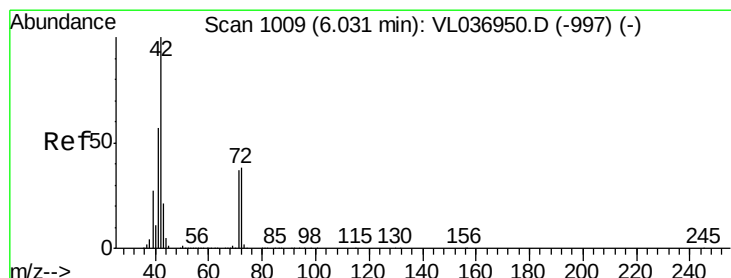
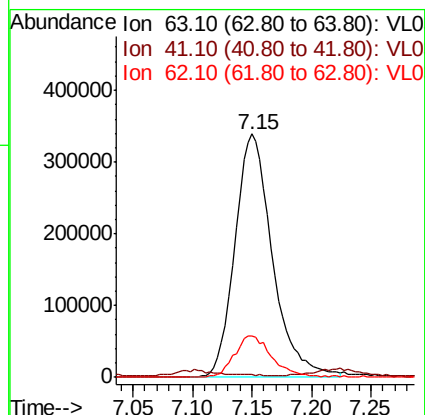
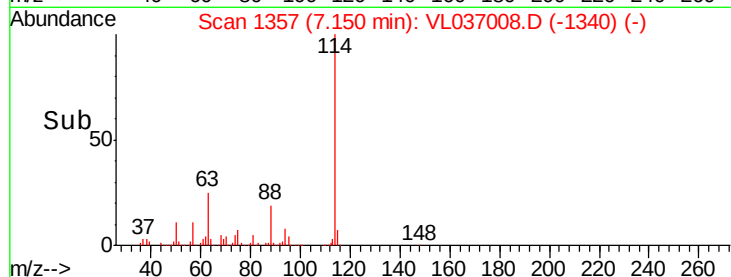
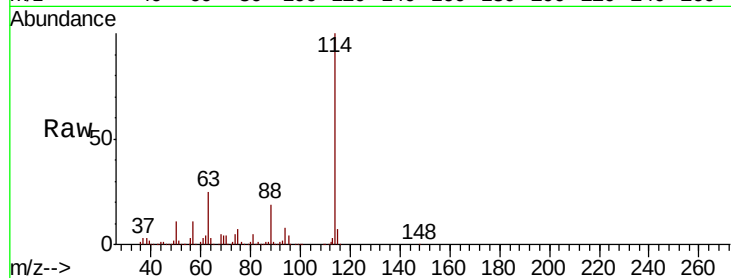
Tot Ion: 63 Resp: 739853

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

62 16.9 56.2 84.4#



#41

Tetrahydrofuran

Concen: 0.114 ppbv

RT: 6.01 min Scan# 1003

Delta R.T. -0.02 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

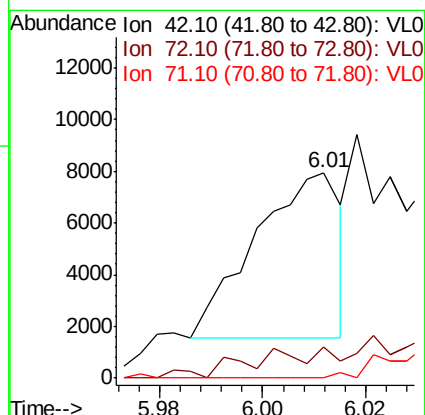
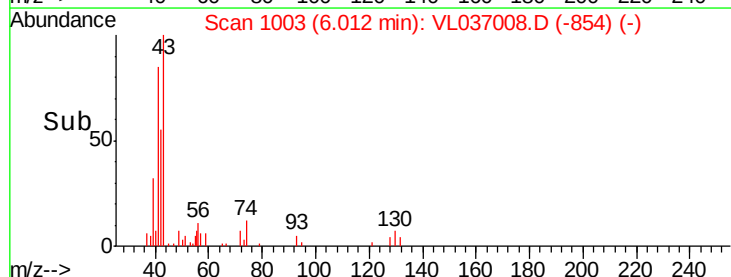
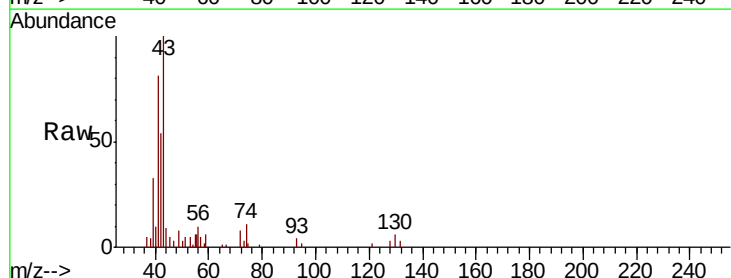
Tgt Ion: 42 Resp: 7343

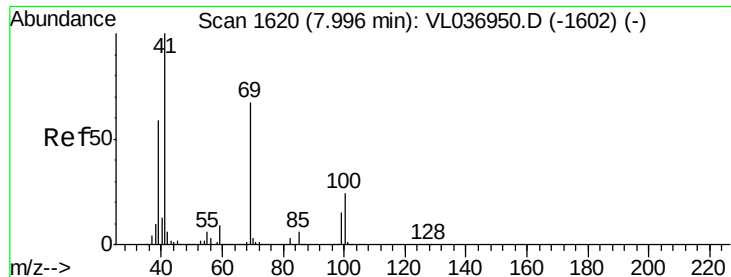
Ion Ratio Lower Upper

42 100

72 69.5 31.4 47.2#

71 0.0 30.4 45.6#





#43

Methyl Methacrylate

Concen: 0.261 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.03 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

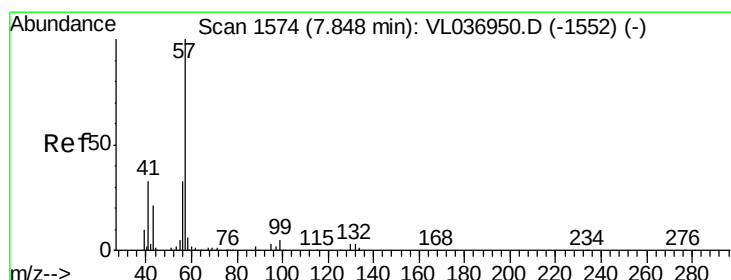
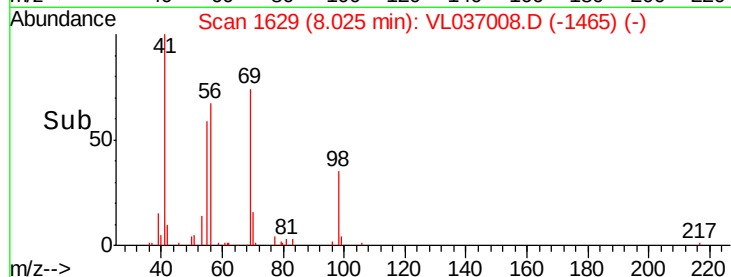
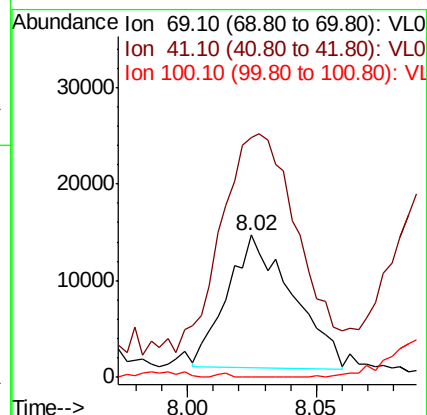
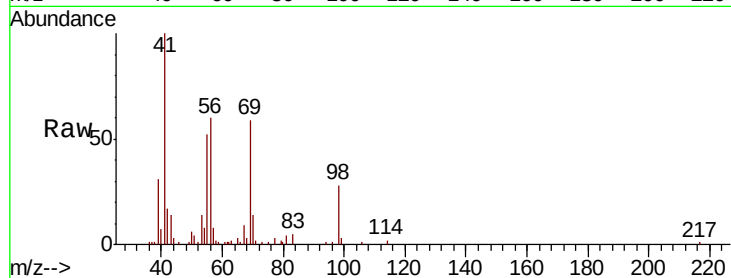
Tot Ion: 69 Resp: 24089

Ion Ratio Lower Upper

69 100

41 247.9 118.6 178.0#

100 3.4 28.2 42.4#



#44

2,2,4-Trimethylpentane

Concen: 0.156 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

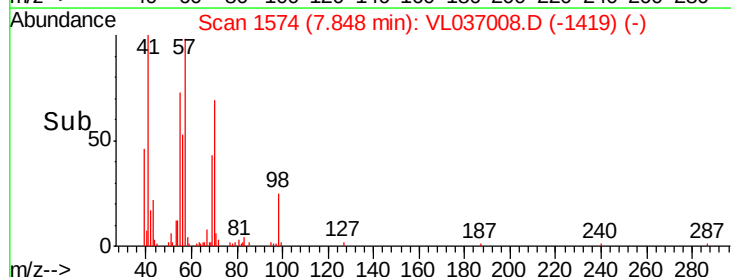
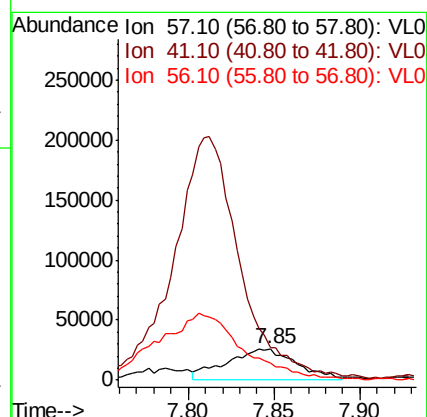
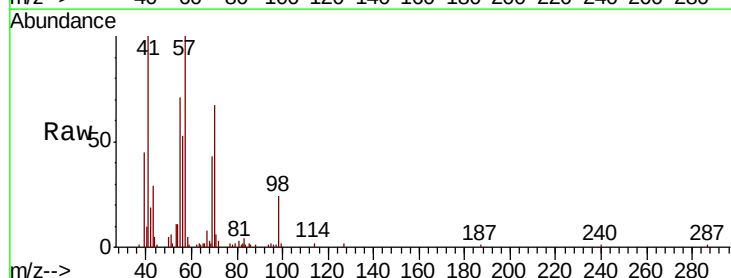
Tgt Ion: 57 Resp: 71617

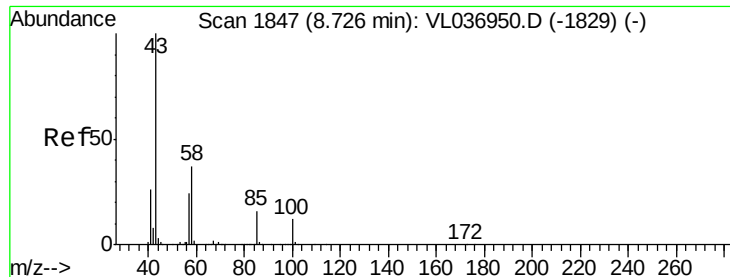
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.4#

56 0.0 25.4 38.2#

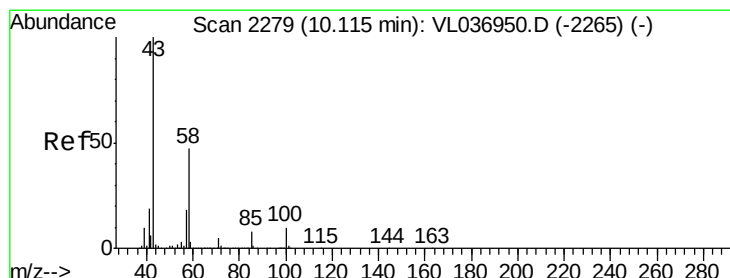
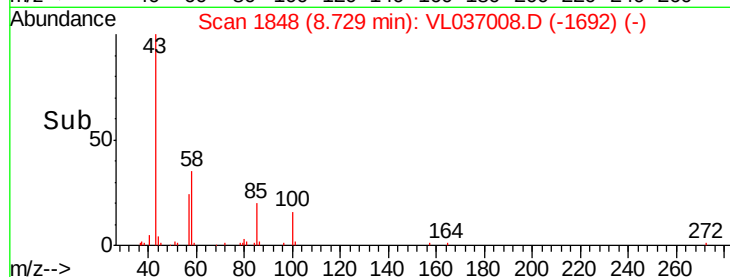
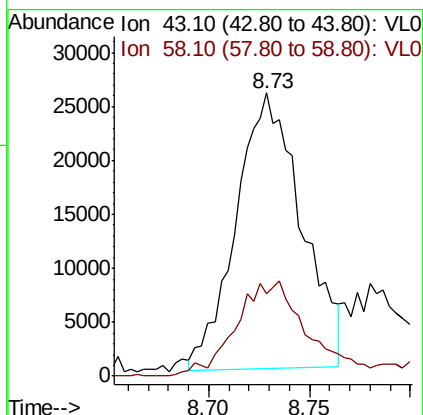
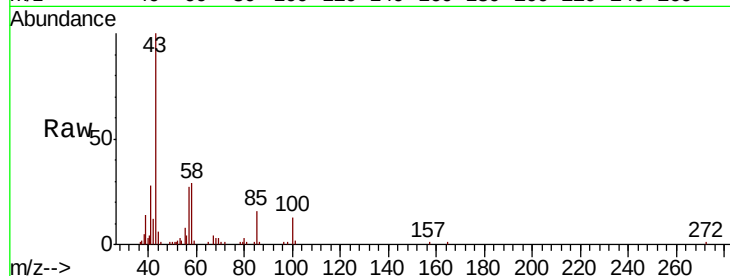




#50
 4-Methyl-2-Pentanone
 Concen: 0.312 ppbv
 RT: 8.73 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

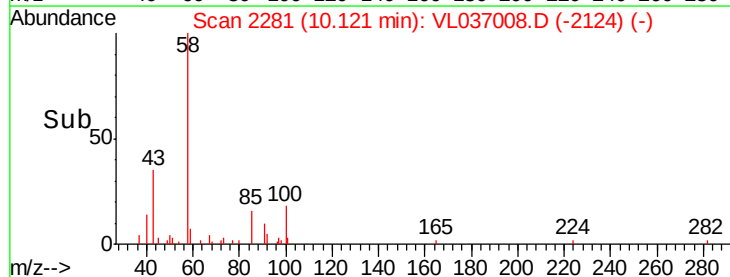
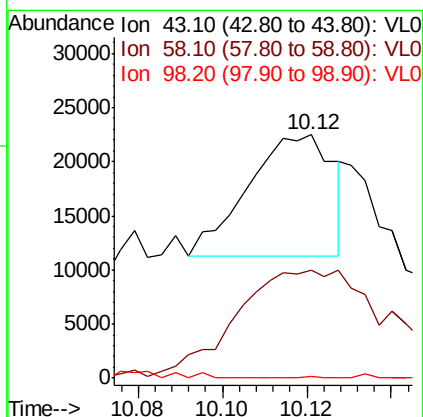
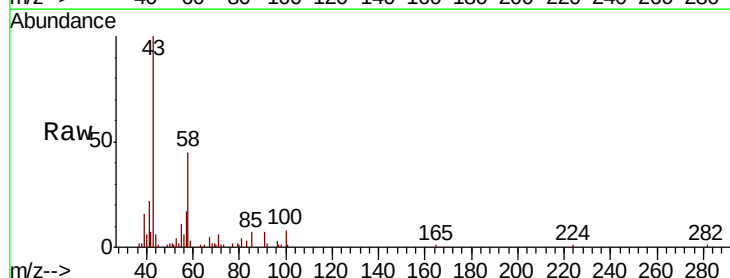
Instrument :
 MSVOA_L
 ClientSampleID :
 KSS-01

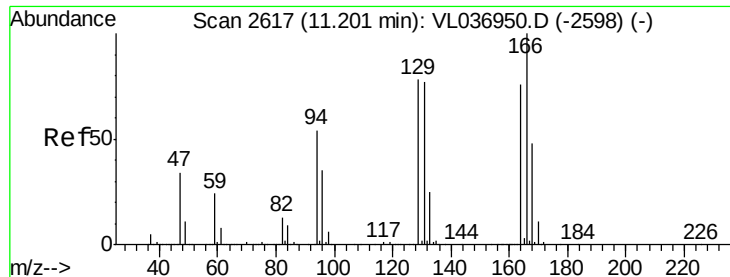
Tot Ion: 43 Resp: 58190
 Ion Ratio Lower Upper
 43 100
 58 39.7 29.4 44.2



#51
 2-Hexanone
 Concen: 0.159 ppbv
 RT: 10.12 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: VL037008.D
 Acq: 20 May 2021 1:47

Tgt Ion: 43 Resp: 15658
 Ion Ratio Lower Upper
 43 100
 58 188.2 41.1 61.7#
 98 4.7 0.1 0.1#





#52

Tetrachloroethene

Concen: 1.824 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

Tot Ion:164 Resp: 194260

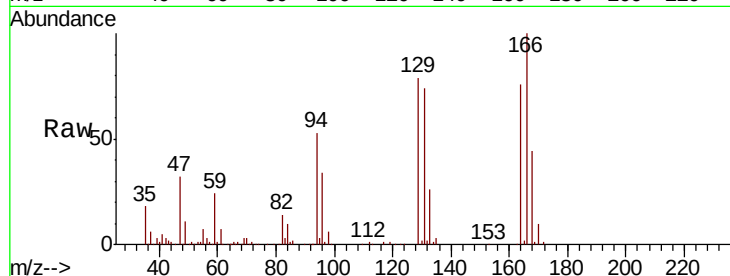
Ion Ratio Lower Upper

164 100

166 132.2 105.5 158.3

129 104.4 81.8 122.8

131 97.6 81.2 121.8

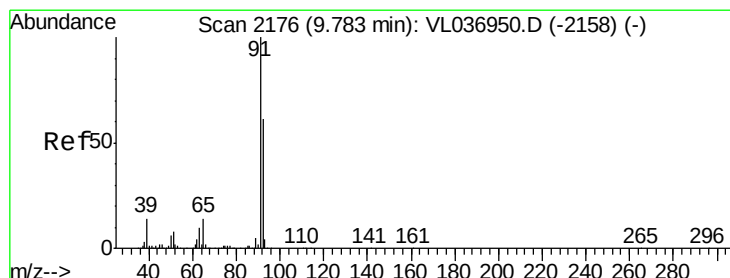
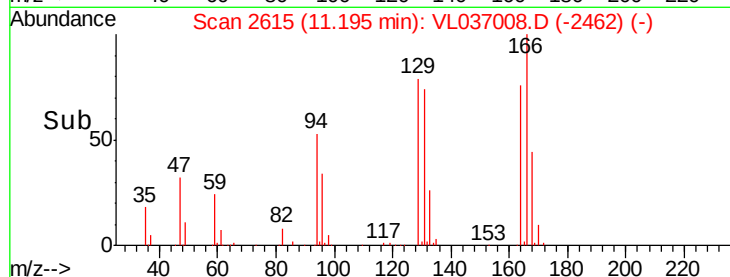
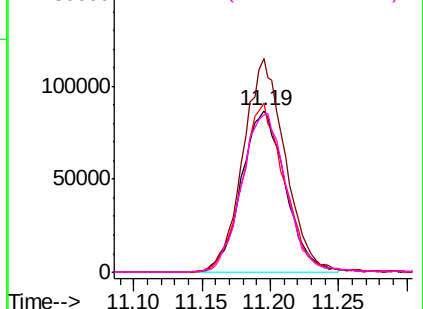


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 4.307 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL037008.D

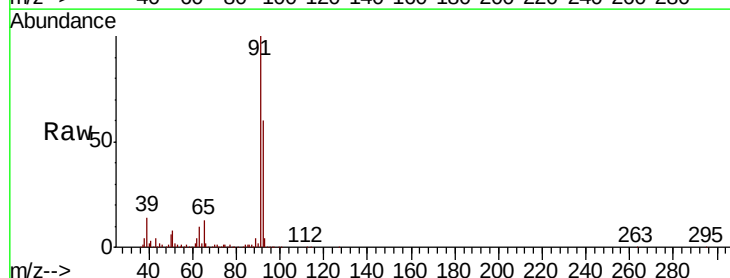
Acq: 20 May 2021 1:47

Tgt Ion: 91 Resp: 1372267

Ion Ratio Lower Upper

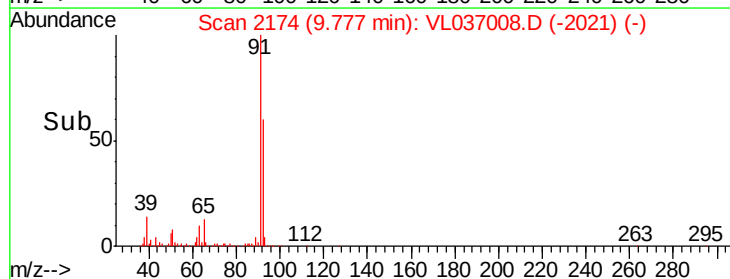
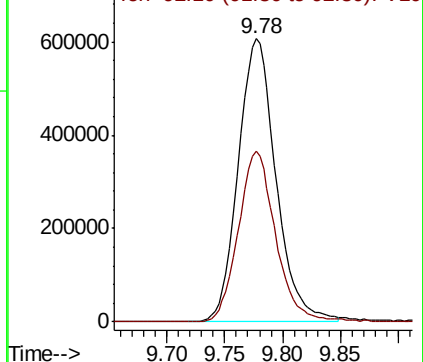
91 100

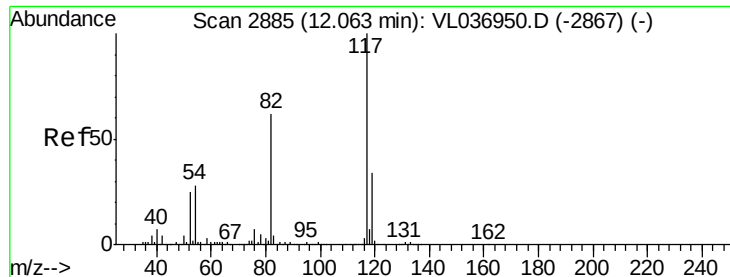
92 60.2 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

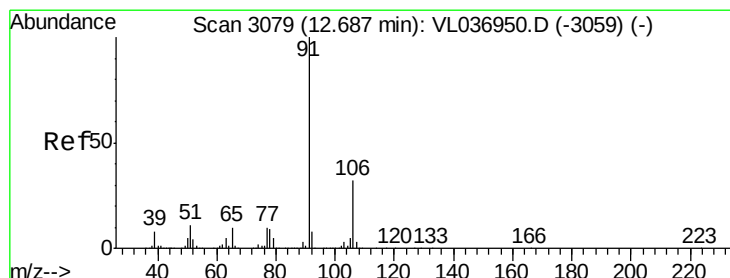
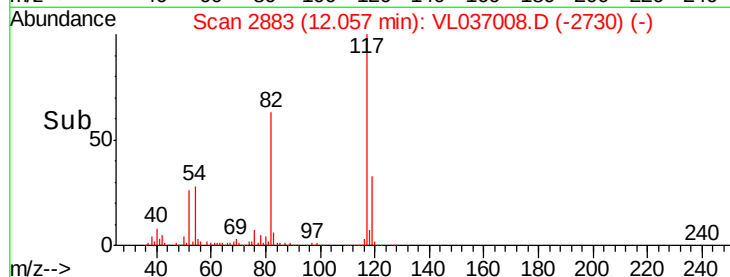
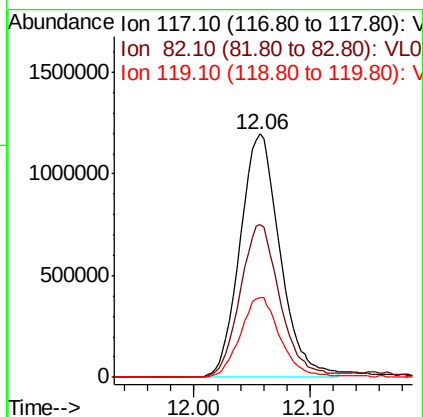
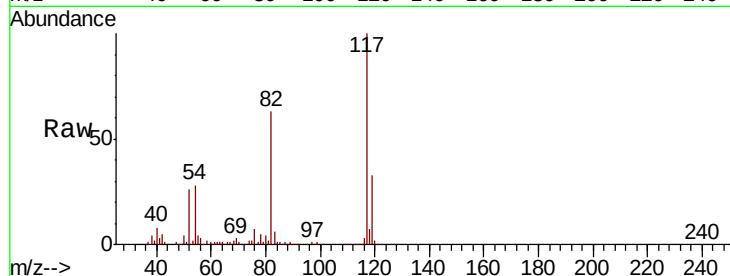




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL037008.D
Acq: 20 May 2021 1:47

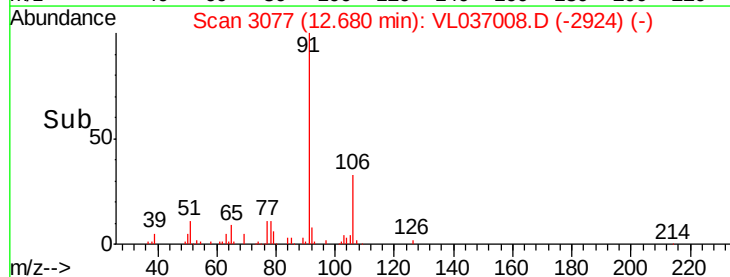
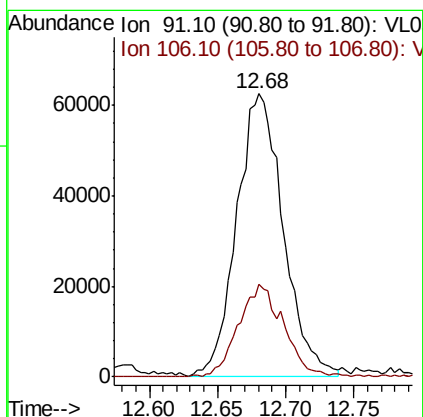
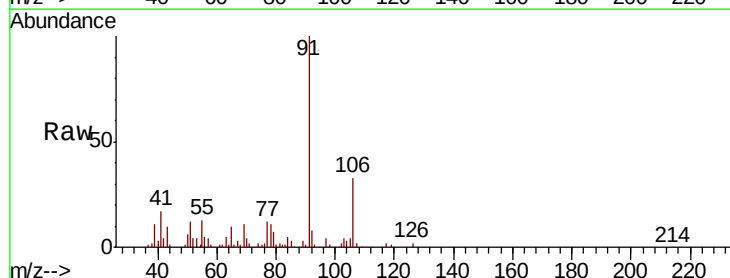
Instrument :
MSVOA_L
ClientSampleId :
KSS-01

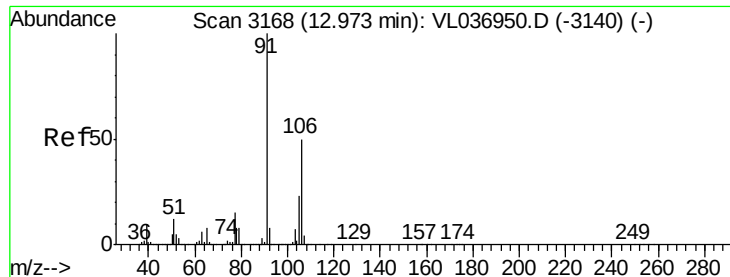
Tot Ion:117 Resp: 2869058
Ion Ratio Lower Upper
117 100
82 62.9 52.6 79.0
119 33.7 46.6 70.0#



#58
Ethyl Benzene
Concen: 0.367 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.01 min
Lab File: VL037008.D
Acq: 20 May 2021 1:47

Tgt Ion: 91 Resp: 148528
Ion Ratio Lower Upper
91 100
106 32.9 25.6 38.4





#59

m/p-Xylene

Concen: 0.737 ppbv

RT: 12.94 min Scan# 3157

Delta R.T. -0.04 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

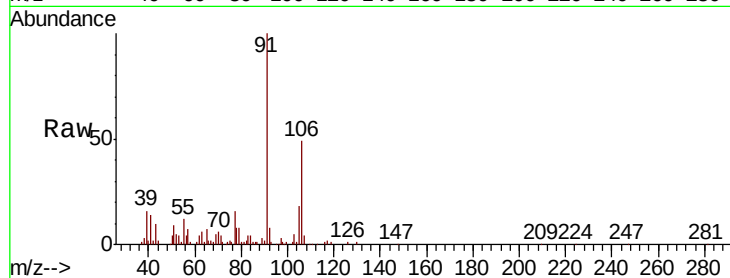
KSS-01

Tot Ion: 91 Resp: 246811

Ion Ratio Lower Upper

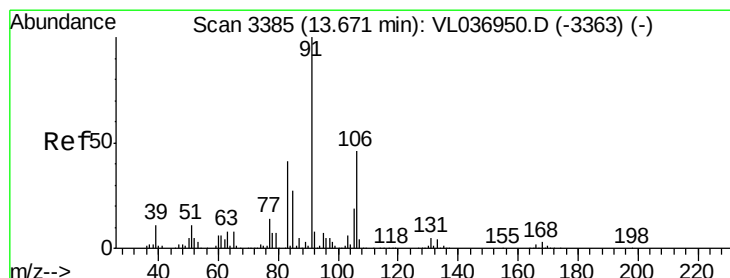
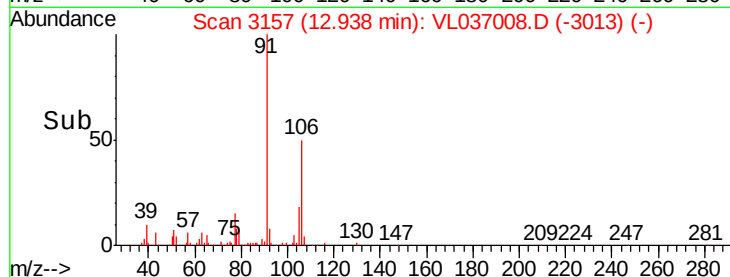
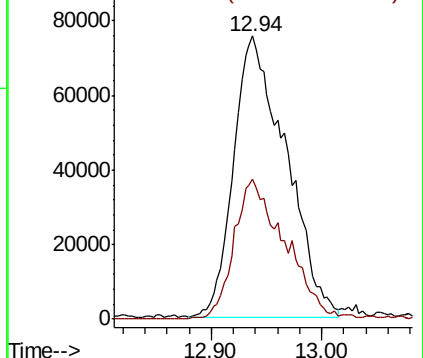
91 100

106 49.1 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: 0.321 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL037008.D

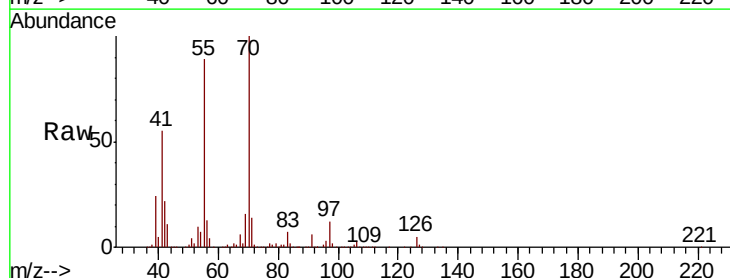
Acq: 20 May 2021 1:47

Tgt Ion: 91 Resp: 102558

Ion Ratio Lower Upper

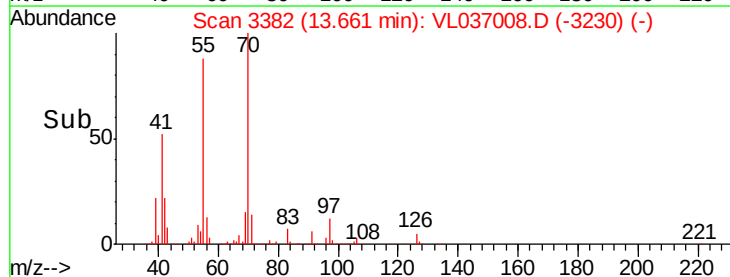
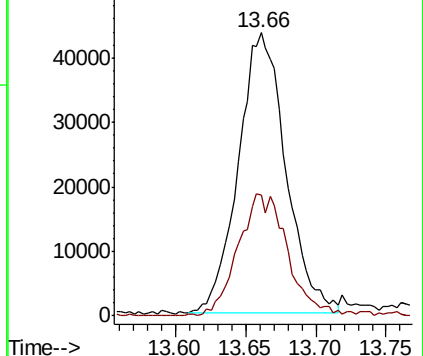
91 100

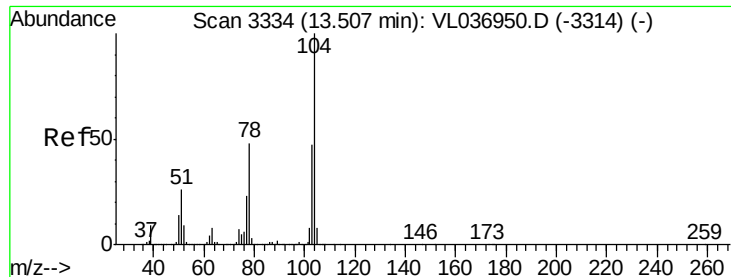
106 45.5 23.4 70.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.119 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampled :

KSS-01

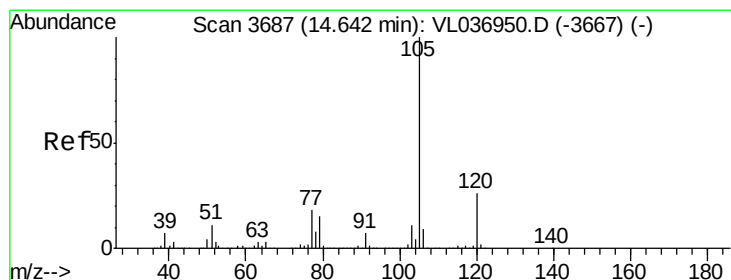
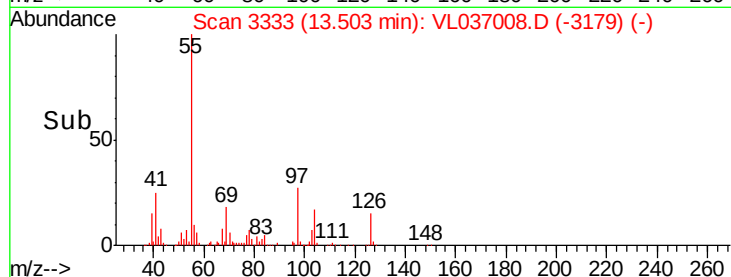
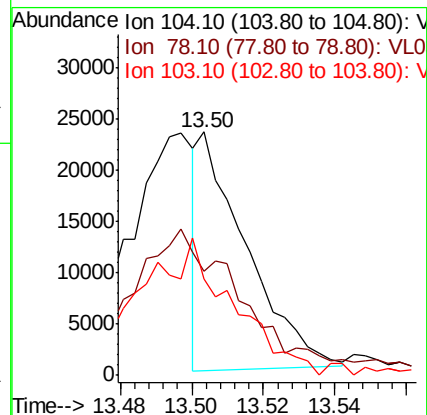
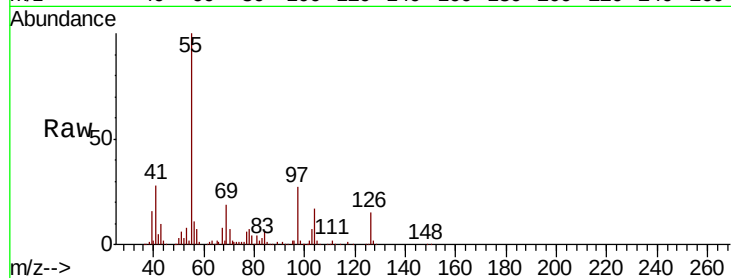
Tot Ion:104 Resp: 21394

Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

103 125.9 38.0 57.0#



#62

Isopropylbenzene

Concen: 0.055 ppbv

RT: 14.64 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VL037008.D

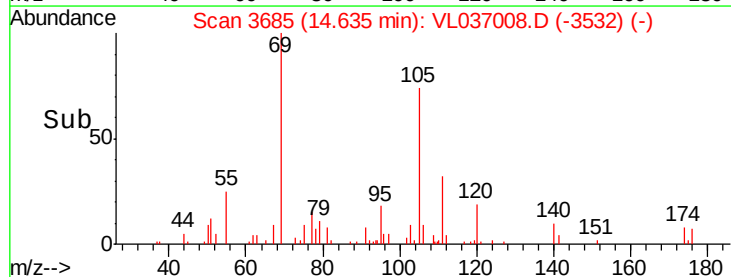
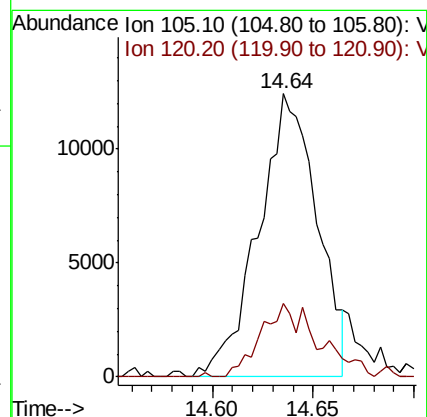
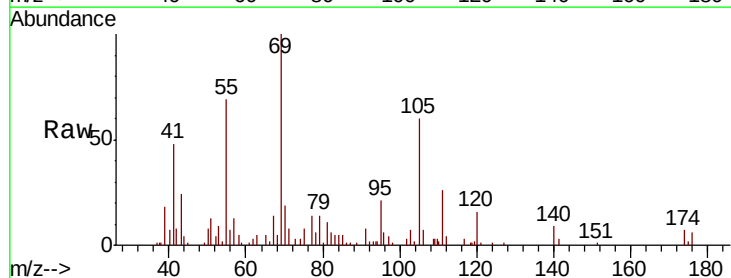
Acq: 20 May 2021 1:47

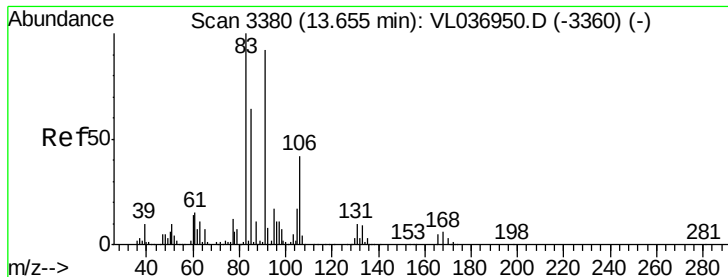
Tgt Ion:105 Resp: 25127

Ion Ratio Lower Upper

105 100

120 26.3 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.503 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

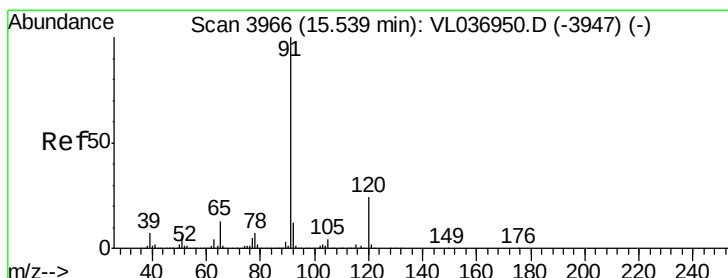
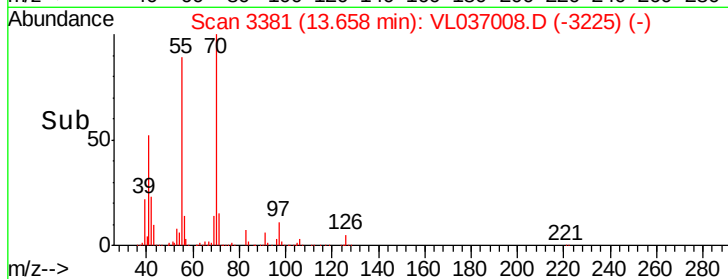
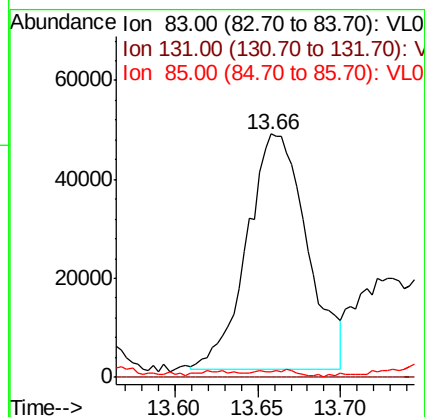
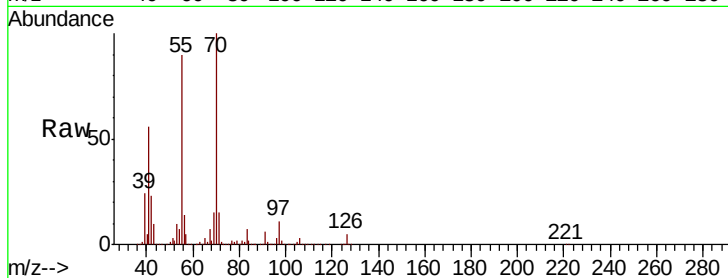
Tot Ion: 83 Resp: 120009

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 1.6 32.9 98.6#



#64

n-propylbenzene

Concen: 0.046 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.01 min

Lab File: VL037008.D

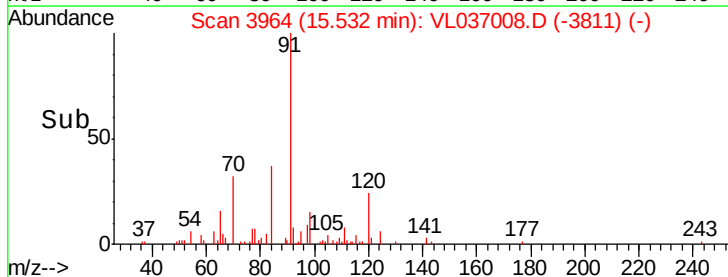
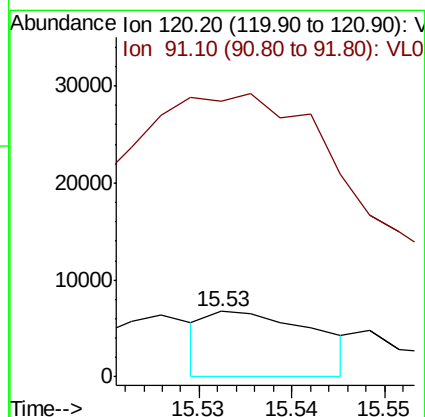
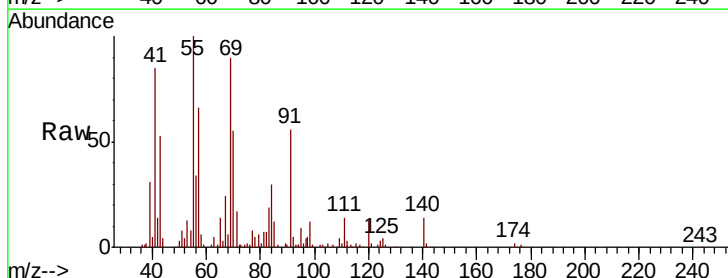
Acq: 20 May 2021 1:47

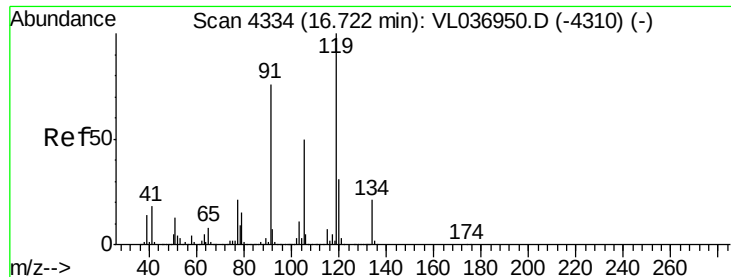
Tgt Ion:120 Resp: 5428

Ion Ratio Lower Upper

120 100

91 1596.7 343.8 515.6#





#65

tert-Butylbenzene

Concen: 0.045 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampled :

KSS-01

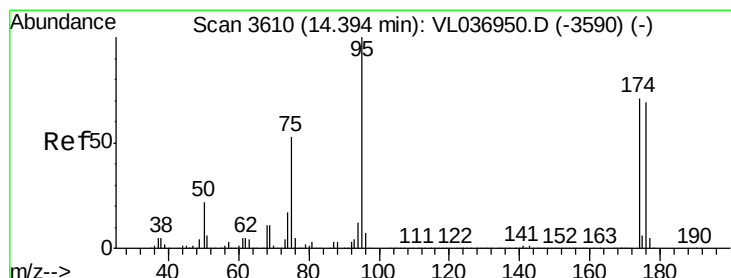
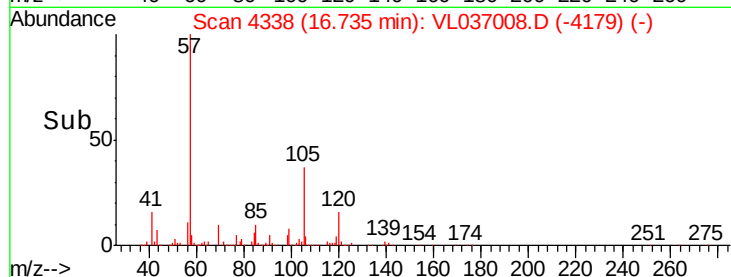
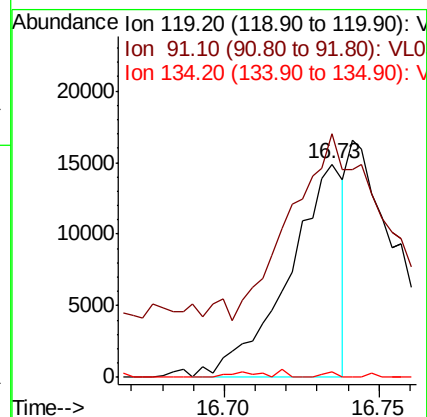
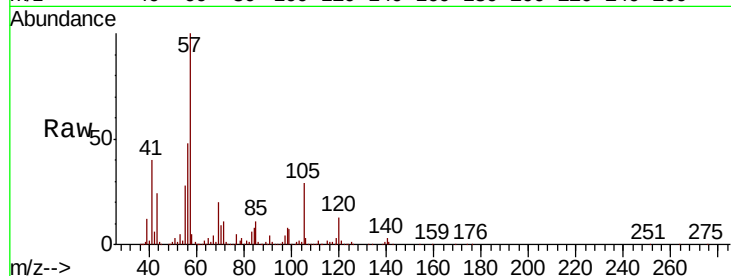
Tot Ion: 119 Resp: 18458

Ion Ratio Lower Upper

119 100

91 222.6 61.9 92.9#

134 2.0 16.2 24.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.155 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.01 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

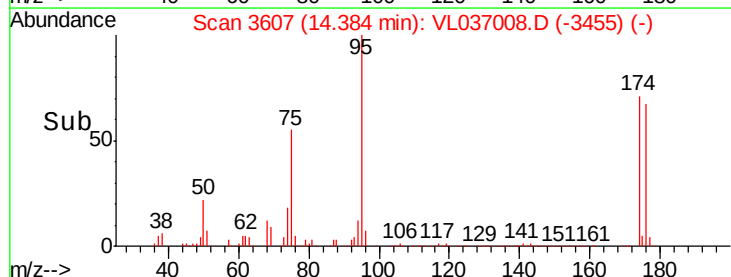
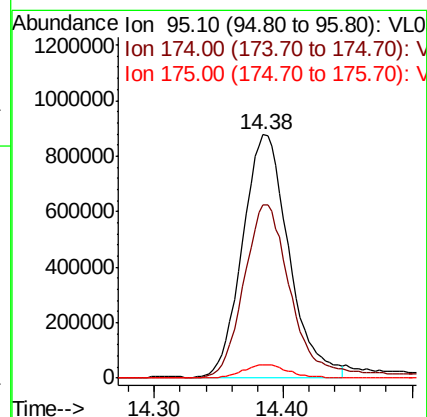
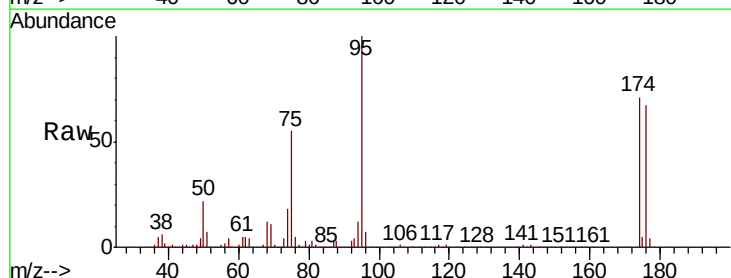
Tgt Ion: 95 Resp: 2188803

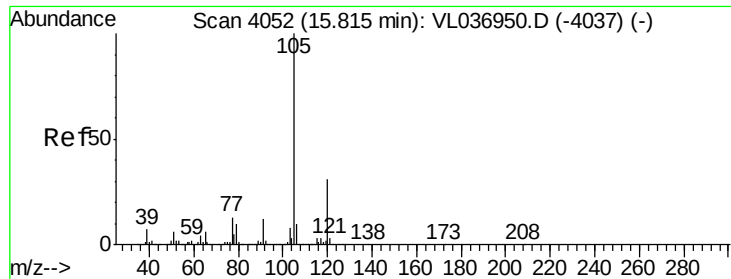
Ion Ratio Lower Upper

95 100

174 75.9 58.4 87.6

175 5.5 4.4 6.6





#72

4-Ethyltoluene

Concen: 0.237 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

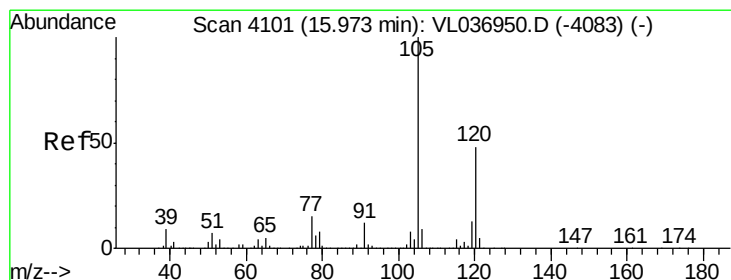
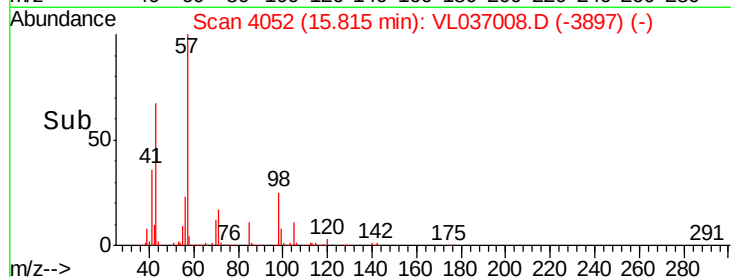
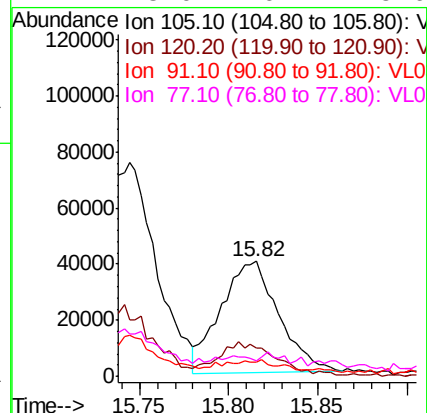
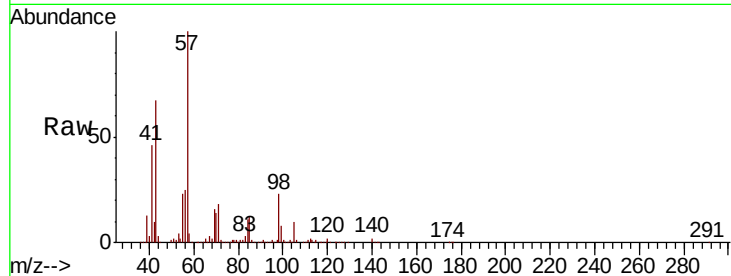
Instrument :

MSVOA_L

ClientSampled :

KSS-01

Tot Ion:	105	Resp:	89687
Ion	Ratio	Lower	Upper
105	100		
120	31.9	24.6	37.0
91	10.5	9.8	14.6
77	28.0	10.4	15.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.323 ppbv

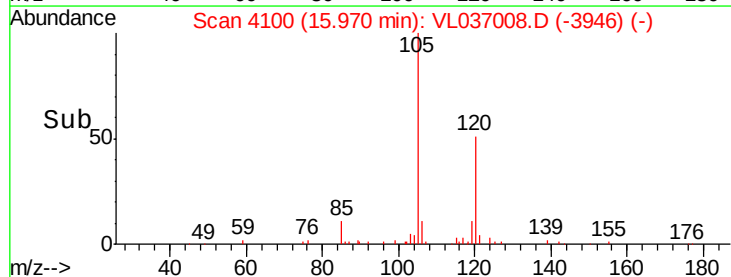
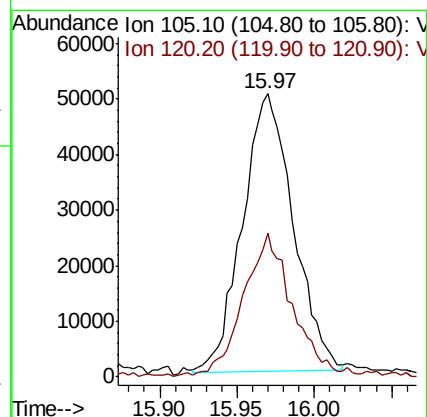
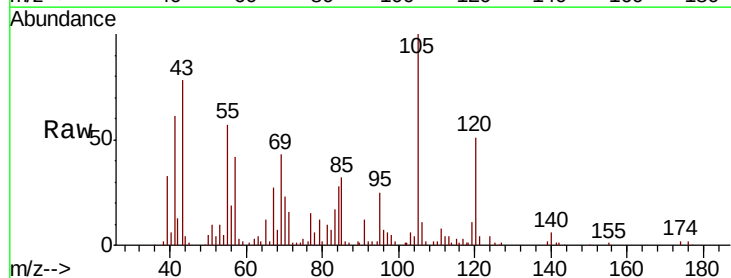
RT: 15.97 min Scan# 4100

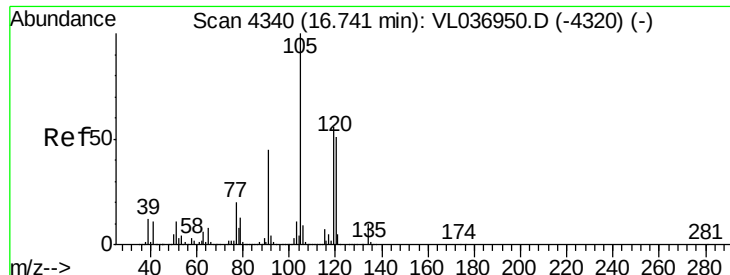
Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Tgt Ion:	105	Resp:	114931
Ion	Ratio	Lower	Upper
105	100		
120	51.5	38.6	58.0





#74

1,2,4-Trimethylbenzene

Concen: 0.873 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037008.D

Acq: 20 May 2021 1:47

Instrument :

MSVOA_L

ClientSampleId :

KSS-01

Tot Ion:105 Resp: 321179

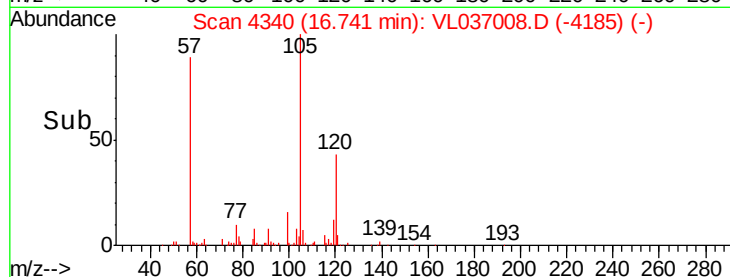
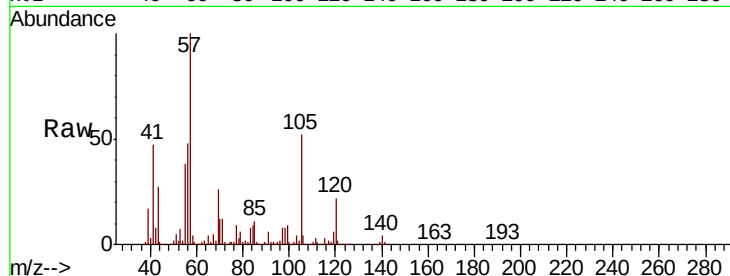
Ion Ratio Lower Upper

105 100

120 43.0 40.6 61.0

91 9.7 37.4 56.0#

77 14.8 16.2 24.4#



Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

