

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037032.D
 Acq On : 20 May 2021 20:27
 Operator : SY/AP
 Sample : M2424-09 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-09

Quant Time: May 21 01:18:25 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	5.64	49	1264695	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3602753	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3266984	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2439888	9.94	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	33141	0.154	ppbv 99
3) Chlorodifluoromethane	2.96	51	26834	0.116	ppbv 92
4) Chloromethane	3.11	50	33808	0.429	ppbv # 83
9) Propene	2.98	41	309825	3.734	ppbv 100
10) Heptane	8.08	43	199243	0.964	ppbv 100
11) Trichlorofluoromethane	3.92	101	37561	0.189	ppbv # 82
13) Ethanol	3.59	45	343148	30.999	ppbv 100
15) Acetone	3.82	43	16468313	127.130	ppbv # 84
16) 1,3-Butadiene	3.29	39	1061515	13.190	ppbv # 16
17) tert-Butyl alcohol	4.28	59	250549	2.112	ppbv 96
19) Isopropyl Alcohol	3.95	45	288262	4.140	ppbv # 30
20) Methylene Chloride	4.32	84	790620	11.386	ppbv 99
21) Allyl Chloride	4.32	41	34918	0.357	ppbv # 46
23) Vinyl Acetate	5.03	43	75125	0.365	ppbv # 76
25) Ethyl Acetate	5.65	43	1059125	3.403	ppbv # 90
26) Hexane	5.65	57	981968	6.175	ppbv # 31
27) Carbon Disulfide	4.52	76	193241	1.206	ppbv 93
29) Chloroform	5.73	83	24038	0.107	ppbv 87
30) Cyclohexane	7.09	84	68667	0.508	ppbv # 71
31) cis-1,2-Dichloroethene	5.64	61	46704	0.328	ppbv # 24
34) 2-Butanone	5.21	43	1716881	13.087	ppbv 99
36) Benzene	6.85	78	92593	0.298	ppbv 96
39) 1,2-Dichloropropane	7.81	63	11975	0.100	ppbv # 1
41) Tetrahydrofuran	5.95	42	7007	0.094	ppbv # 45
43) Methyl Methacrylate	7.95	69	7278	0.068	ppbv # 1
44) 2,2,4-Trimethylpentane	7.83	57	24199	0.045	ppbv # 42
50) 4-Methyl-2-Pentanone	8.71	43	24751	0.114	ppbv # 38
51) 2-Hexanone	10.10	43	165256	1.444	ppbv # 90
52) Tetrachloroethene	11.18	164	4447	0.036	ppbv 91
53) Toluene	9.77	91	477228	1.292	ppbv 98
58) Ethyl Benzene	12.67	91	123044	0.267	ppbv 99
59) m/p-Xylene	12.93	91	262689	0.689	ppbv 97
60) o-Xylene	13.65	91	96872	0.266	ppbv 94
61) Styrene	13.49	104	44945	0.219	ppbv # 85
63) 1,1,2,2-Tetrachloroethane	13.65	83	138849	0.511	ppbv # 27
64) n-propylbenzene	15.53	120	8905	0.066	ppbv # 1
65) tert-Butylbenzene	16.73	119	27805	0.059	ppbv # 55
66) Benzyl Chloride	16.94	91	922	0.035	ppbv # 62
72) 4-Ethyltoluene	15.80	105	75100	0.174	ppbv # 87
73) 1,3,5-Trimethylbenzene	15.96	105	75838	0.187	ppbv 89
74) 1,2,4-Trimethylbenzene	16.73	105	255903	0.611	ppbv # 70

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

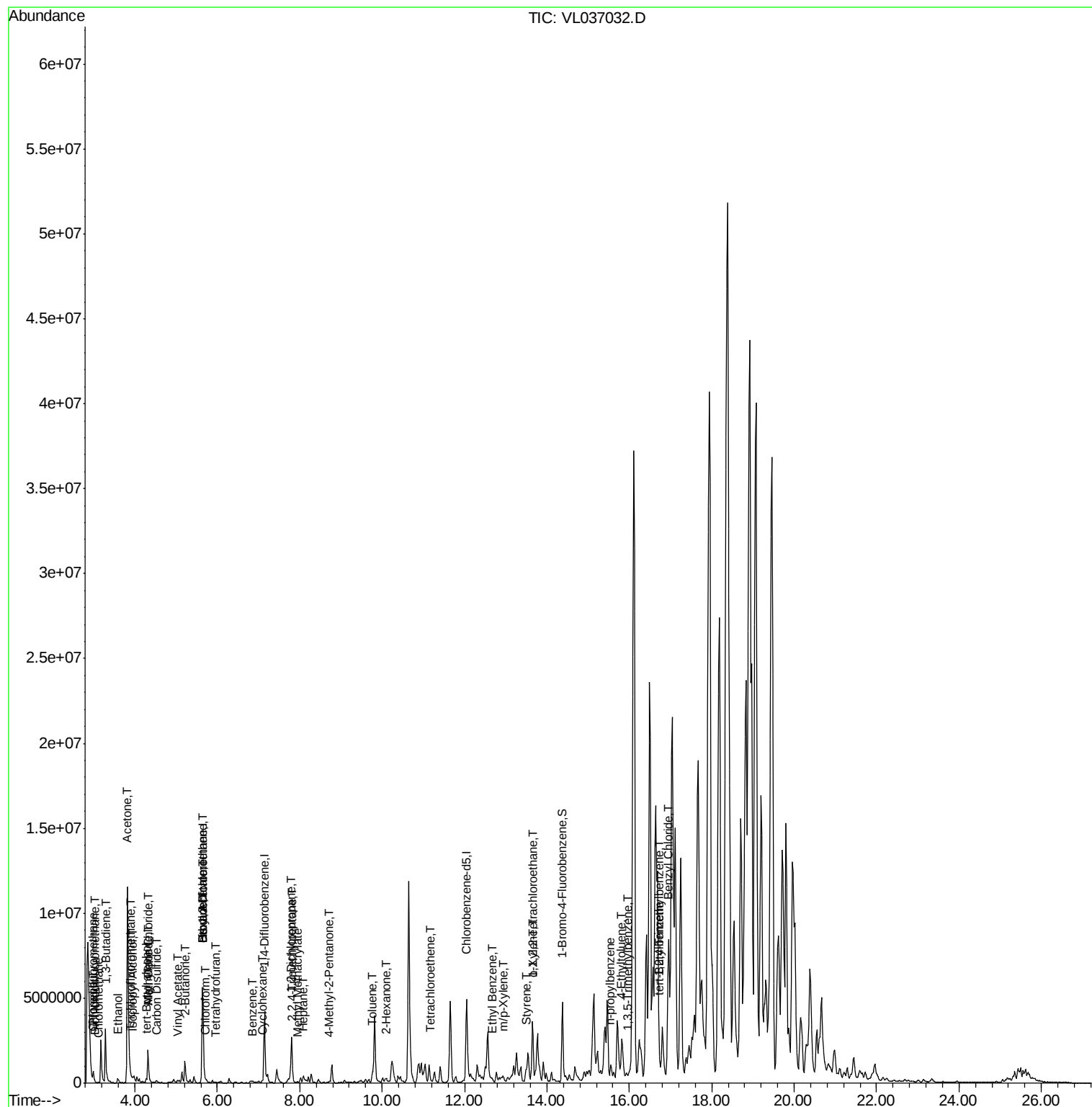
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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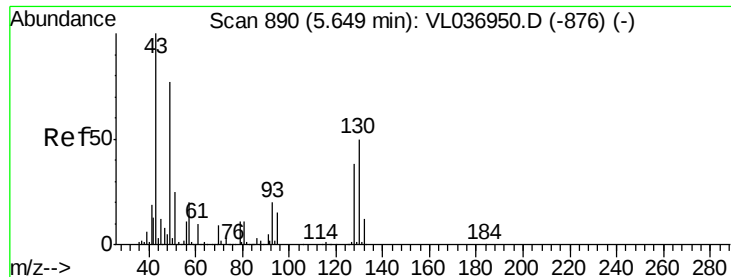
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

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ClientSampleId :

KSV-09

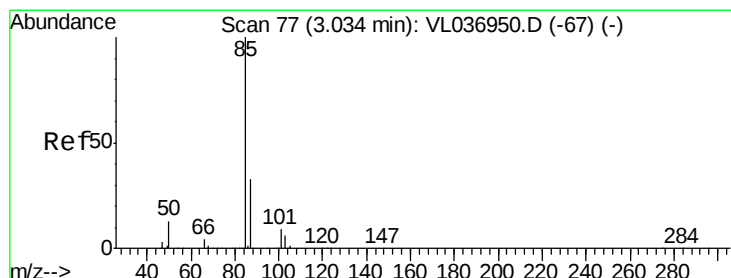
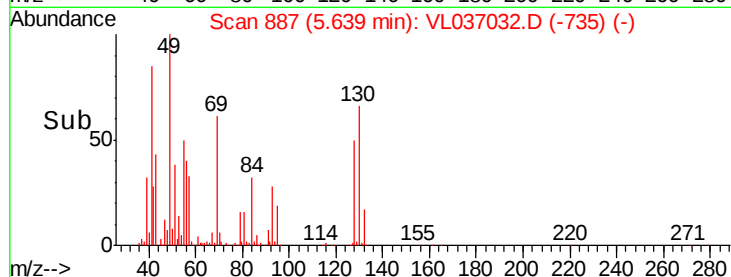
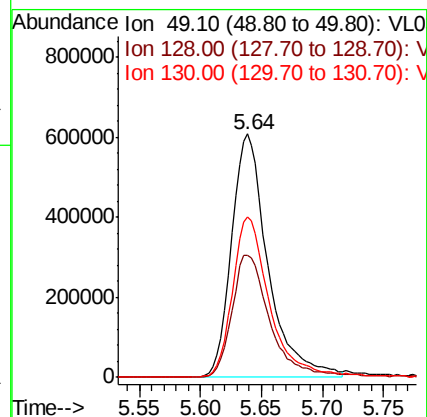
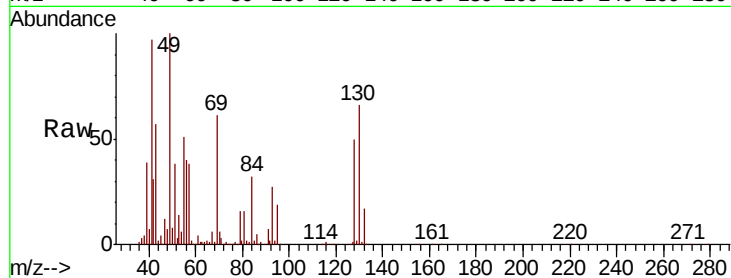
Tot Ion: 49 Resp: 1264695

Ion Ratio Lower Upper

49 100

128 53.4 26.9 80.7

130 68.6 33.8 101.4



#2

Dichlorodifluoromethane

Concen: 0.154 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037032.D

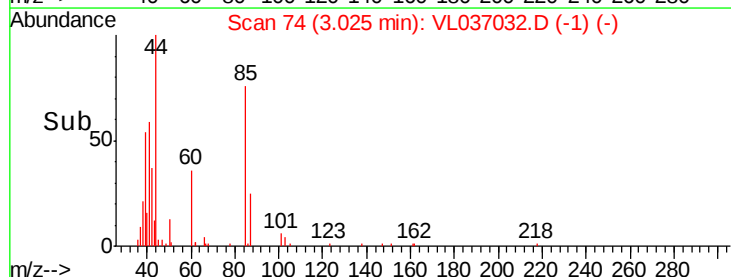
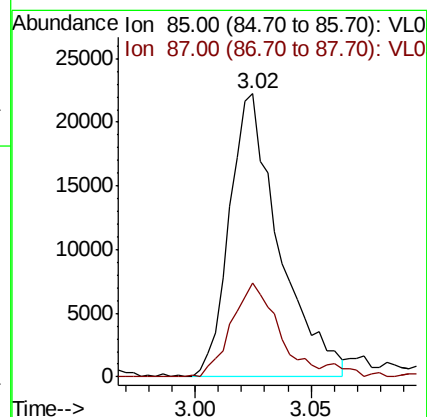
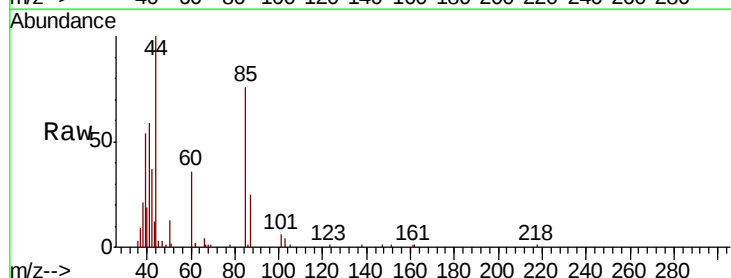
Acq: 20 May 2021 20:27

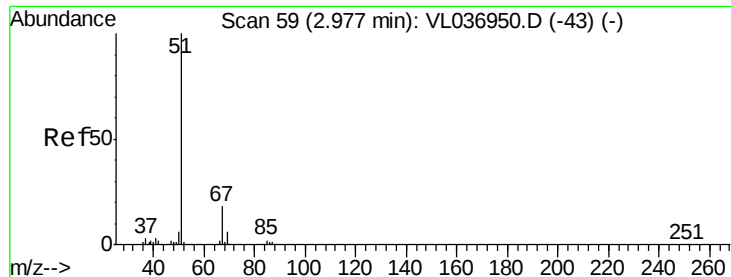
Tgt Ion: 85 Resp: 33141

Ion Ratio Lower Upper

85 100

87 32.7 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.116 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

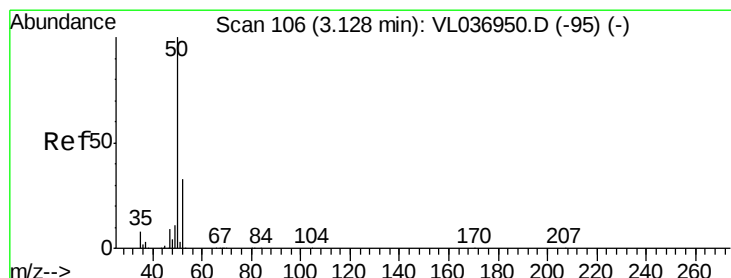
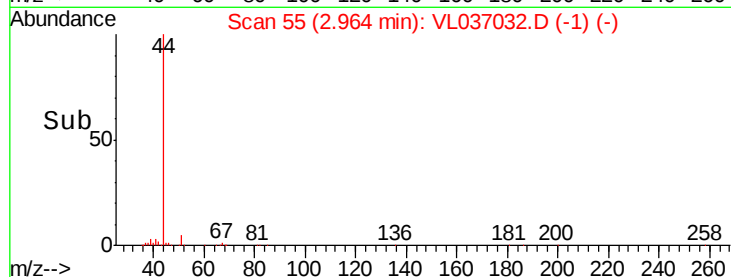
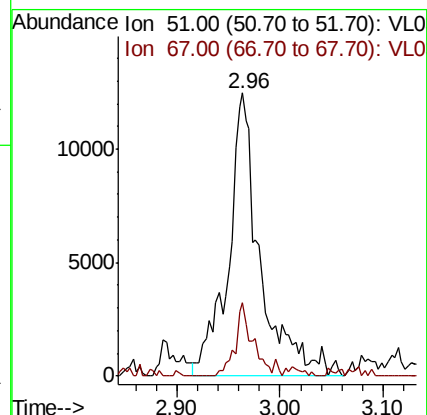
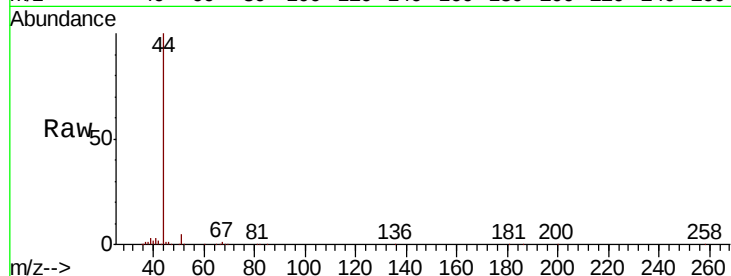
KSV-09

Tot Ion: 51 Resp: 26834

Ion Ratio Lower Upper

51 100

67 14.8 14.6 21.8



#4

Chloromethane

Concen: 0.429 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL037032.D

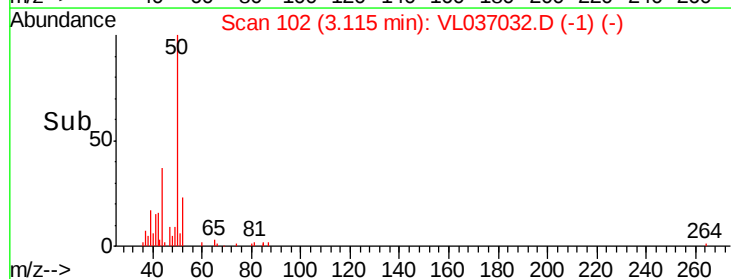
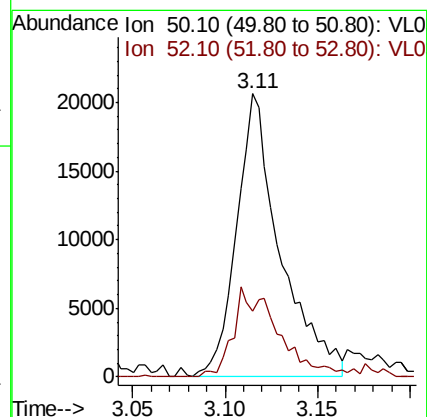
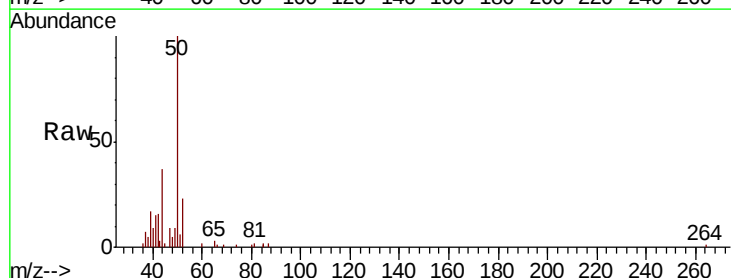
Acq: 20 May 2021 20:27

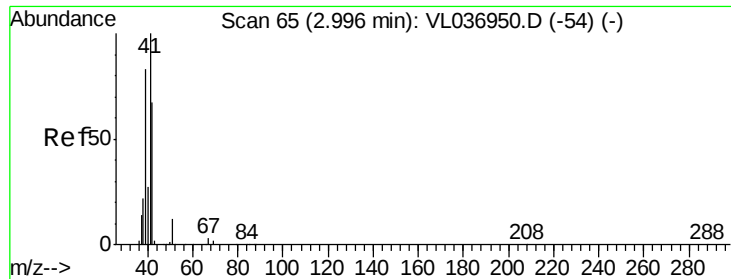
Tgt Ion: 50 Resp: 33808

Ion Ratio Lower Upper

50 100

52 23.2 26.1 39.1#





#9

Propene

Concen: 3.734 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

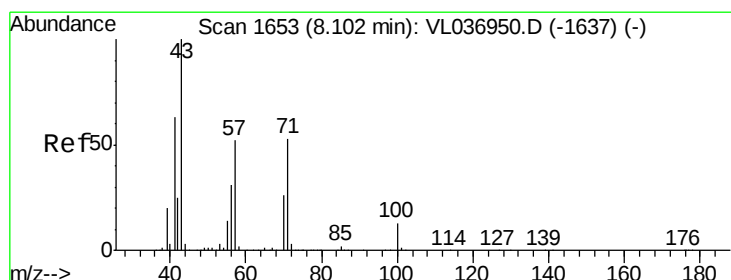
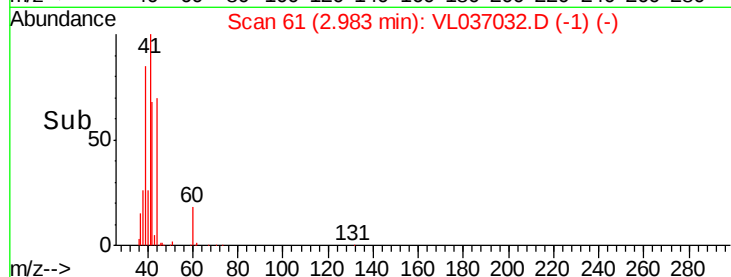
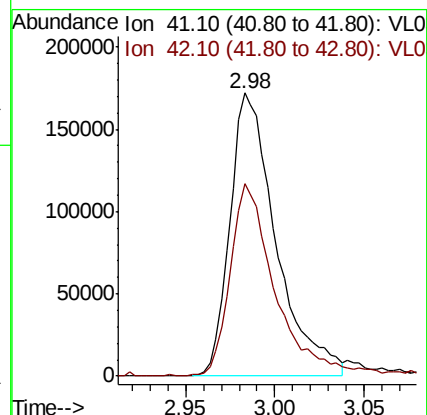
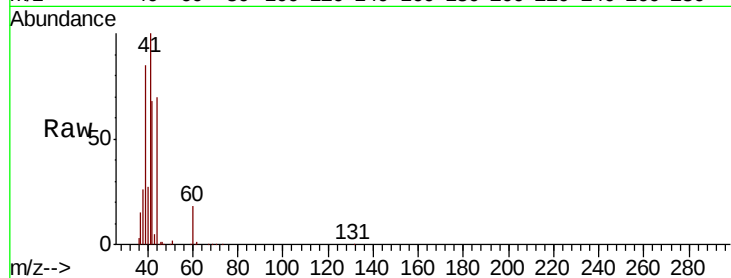
KSV-09

Tot Ion: 41 Resp: 309825

Ion Ratio Lower Upper

41 100

42 67.6 53.9 80.9



#10

Heptane

Concen: 0.964 ppbv

RT: 8.08 min Scan# 1647

Delta R.T. -0.02 min

Lab File: VL037032.D

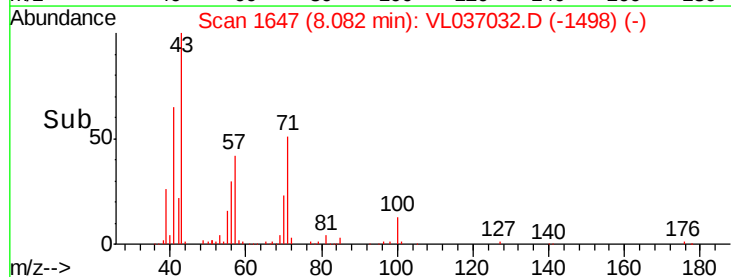
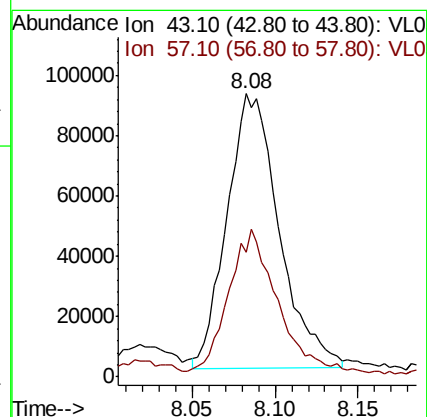
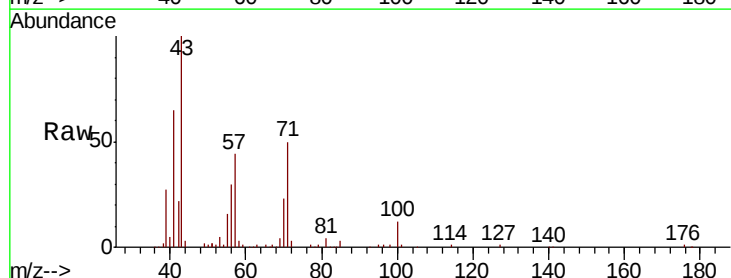
Acq: 20 May 2021 20:27

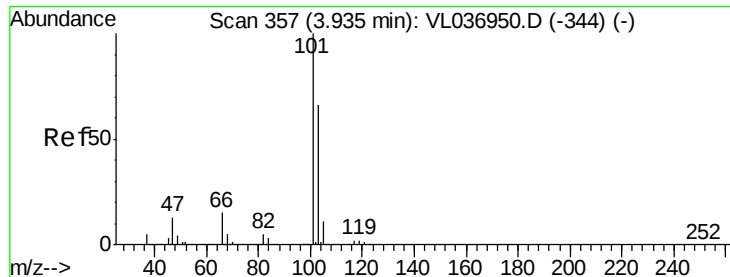
Tgt Ion: 43 Resp: 199243

Ion Ratio Lower Upper

43 100

57 51.5 41.0 61.6

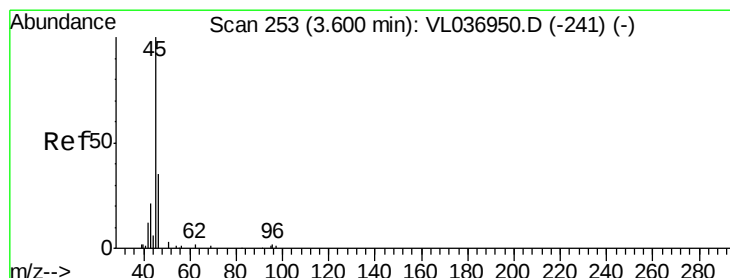
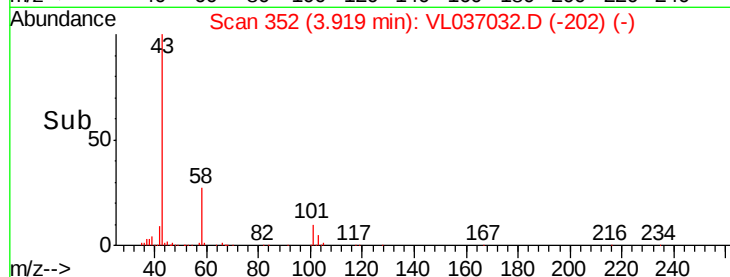
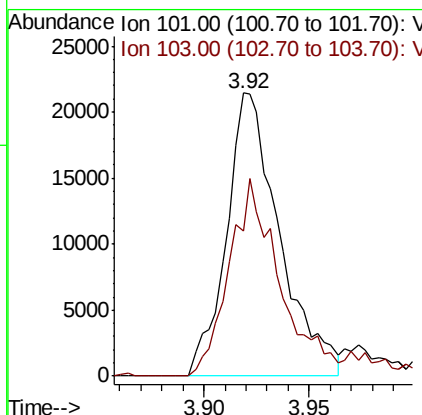
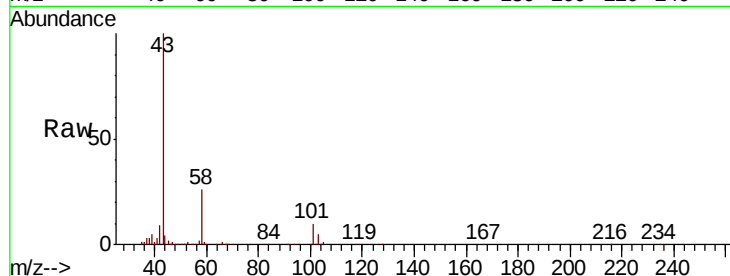




#11
 Trichlorofluoromethane
 Concen: 0.189 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

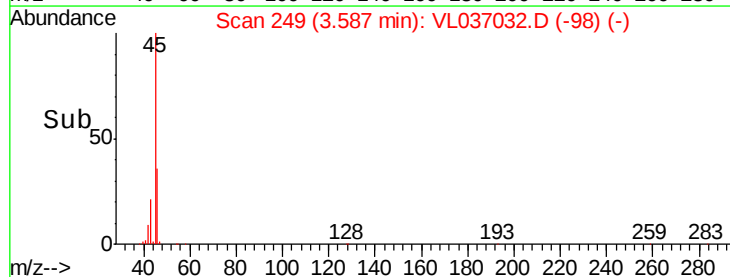
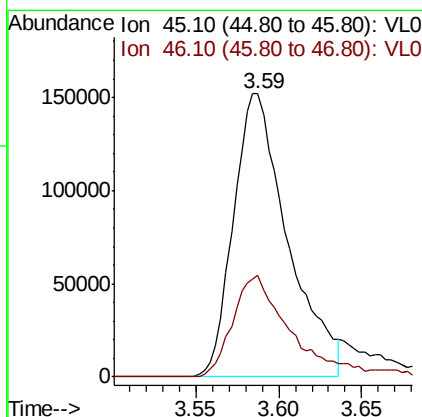
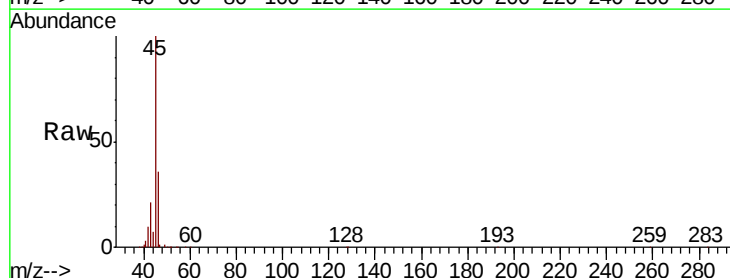
Instrument :
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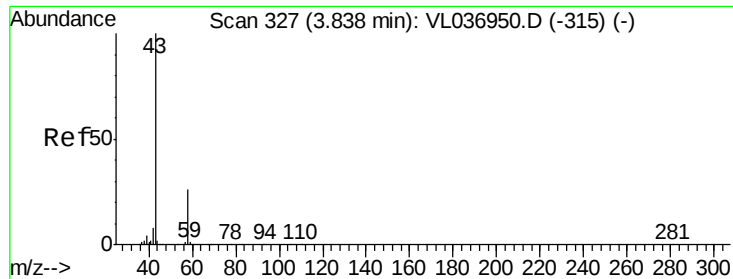
Tot Ion:101 Resp: 37561
 Ion Ratio Lower Upper
 101 100
 103 51.2 52.6 79.0#



#13
 Ethanol
 Concen: 30.999 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

Tgt Ion: 45 Resp: 343148
 Ion Ratio Lower Upper
 45 100
 46 40.7 16.3 65.3





#15

Acetone

Concen: 127.130 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

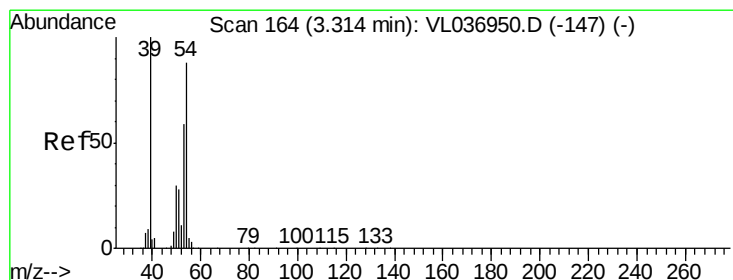
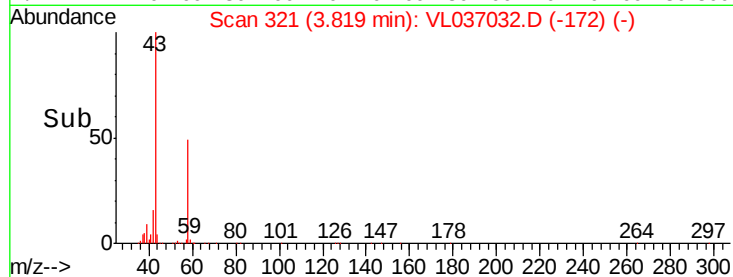
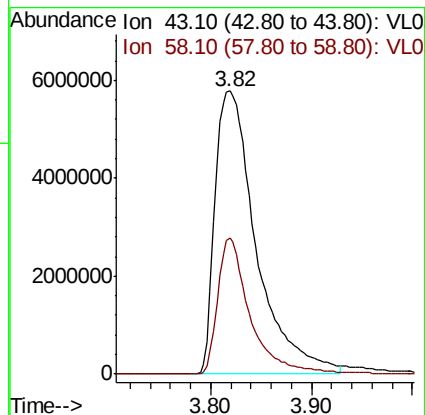
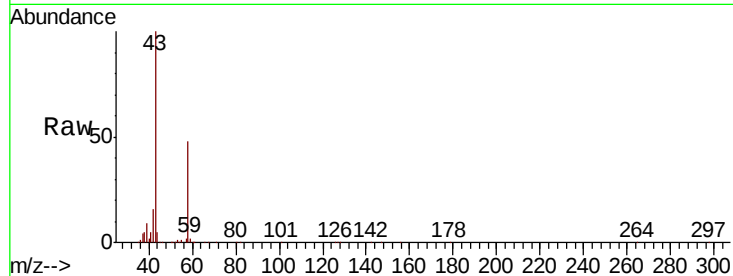
KSV-09

Tot Ion: 43 Resp:16468313

Ion Ratio Lower Upper

43 100

58 38.6 24.0 36.0#



#16

1,3-Butadiene

Concen: 13.190 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.03 min

Lab File: VL037032.D

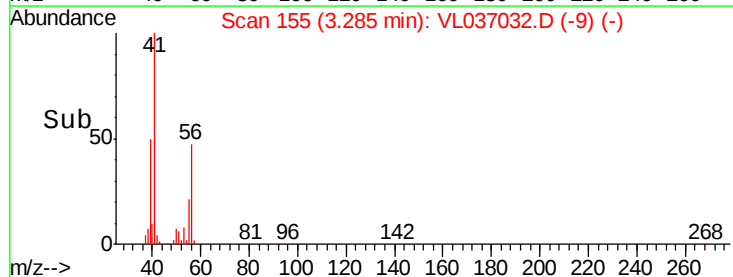
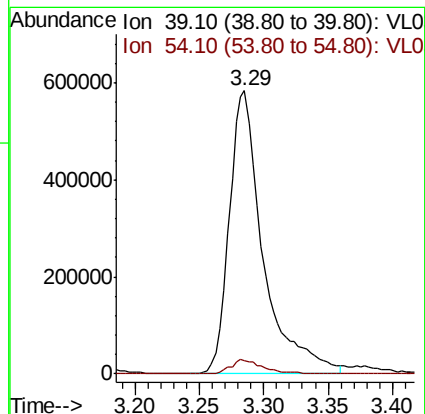
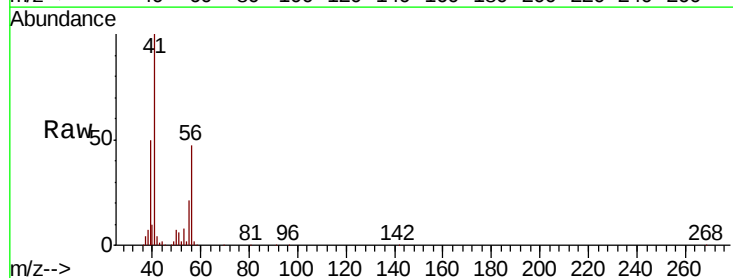
Acq: 20 May 2021 20:27

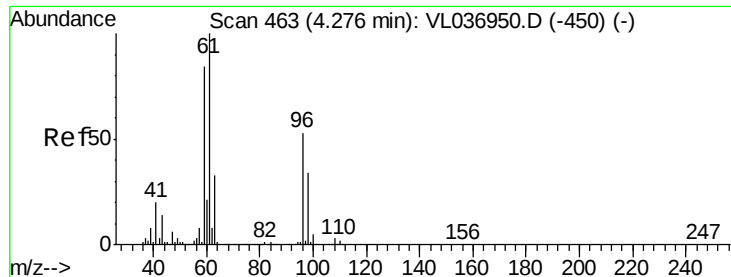
Tgt Ion: 39 Resp: 1061515

Ion Ratio Lower Upper

39 100

54 5.1 63.2 94.8#

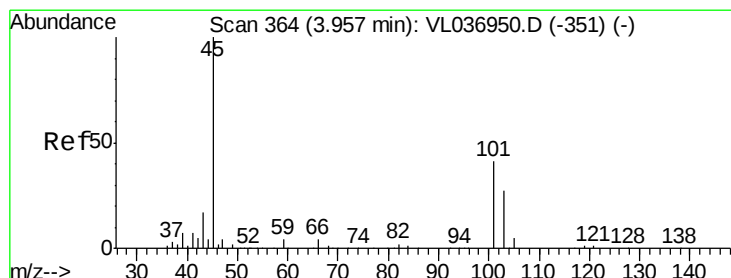
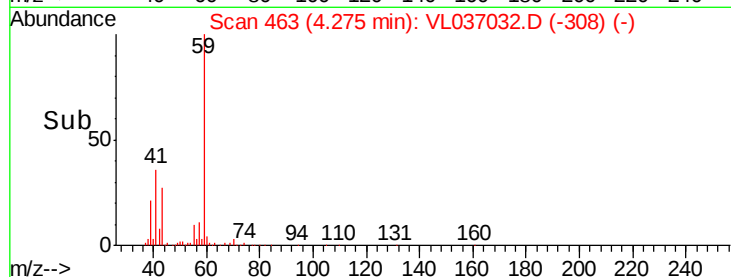
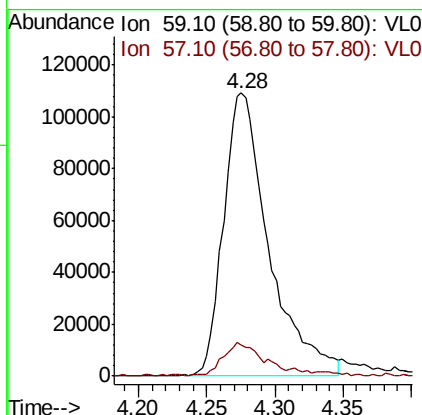
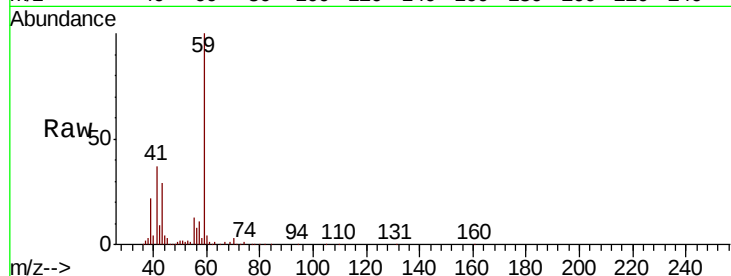




#17
 tert-Butyl alcohol
 Concen: 2.112 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

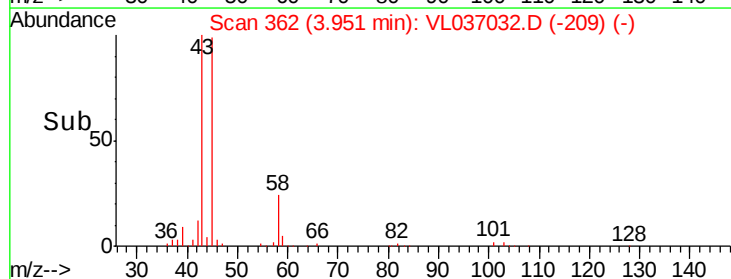
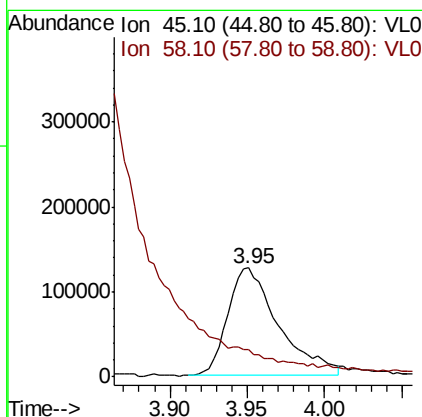
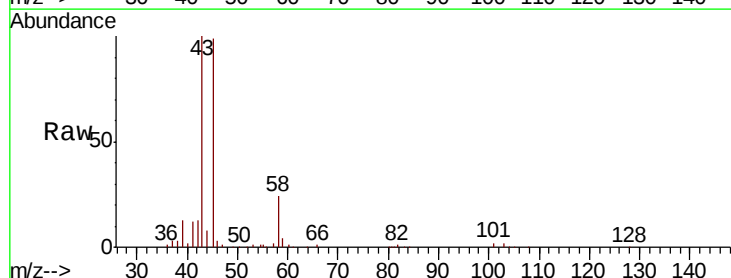
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 KSV-09

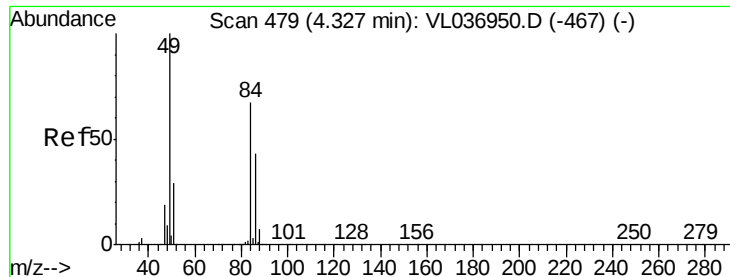
Tot Ion: 59 Resp: 250549
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.3 12.5



#19
 Isopropyl Alcohol
 Concen: 4.140 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

Tgt Ion: 45 Resp: 288262
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#

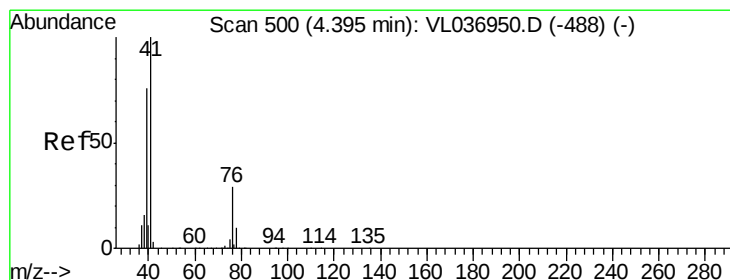
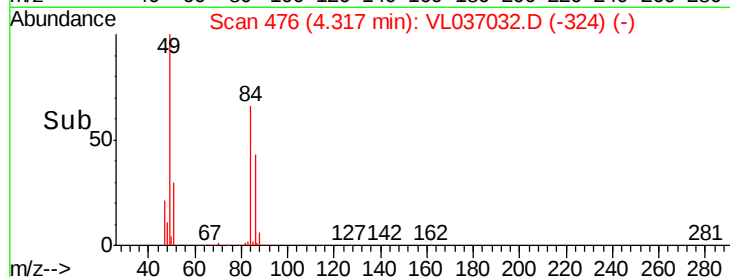
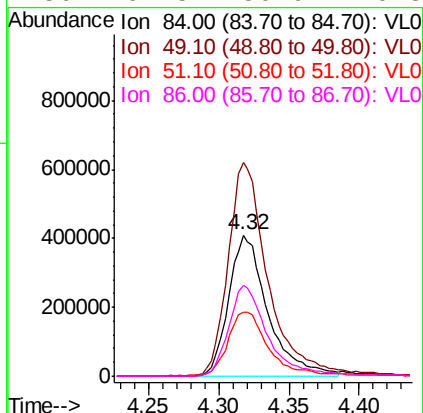
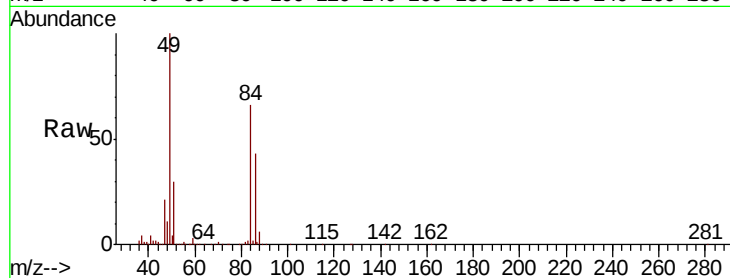




#20
Methylene Chloride
Concen: 11.386 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

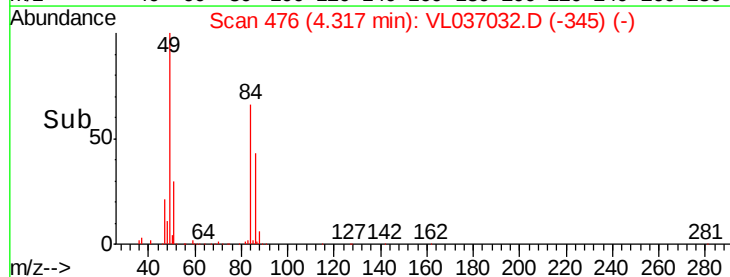
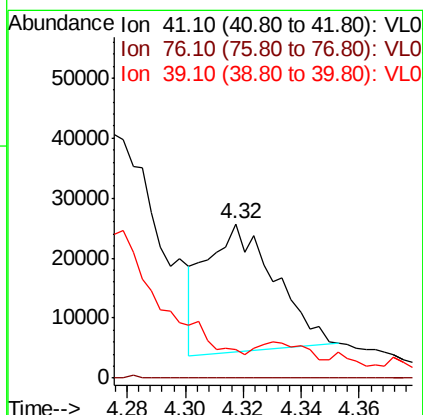
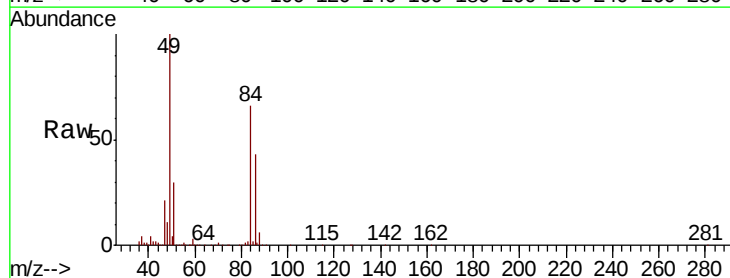
Instrument :
MSVOA_L
ClientSampleId :
KSV-09

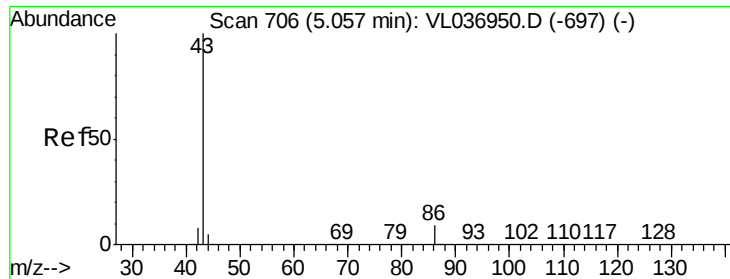
Tot Ion:	84	Resp:	790620
Ion	Ratio	Lower	Upper
84	100		
49	151.5	119.8	179.6
51	45.0	35.1	52.7
86	64.5	50.9	76.3



#21
Allyl Chloride
Concen: 0.357 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.08 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

Tgt Ion:	41	Resp:	34918
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.9	37.3#
39	33.3	63.7	95.5#





#23

Vinyl Acetate

Concen: 0.365 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleID :

KSV-09

Tot Ion: 43 Resp: 75125

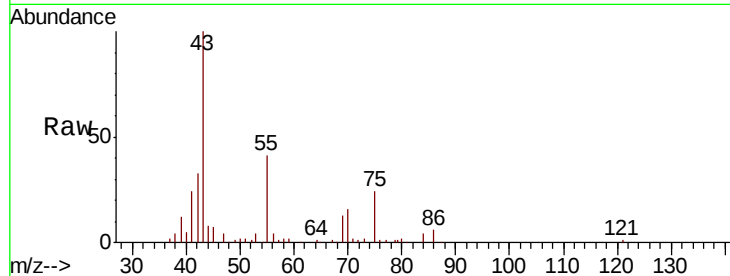
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.8

42 27.7 7.4 11.2#

44 2.3 3.3 4.9#

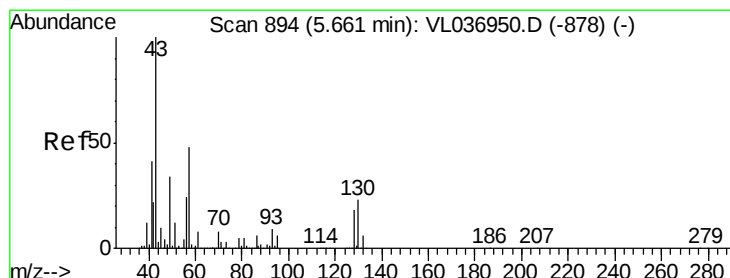
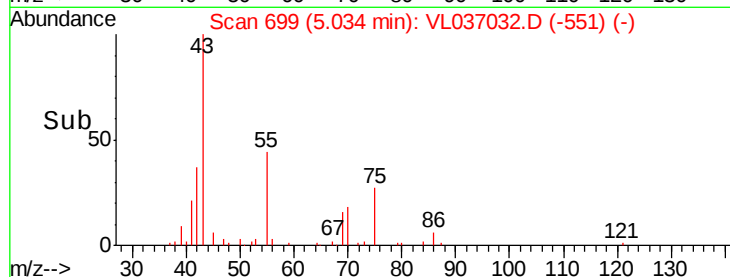
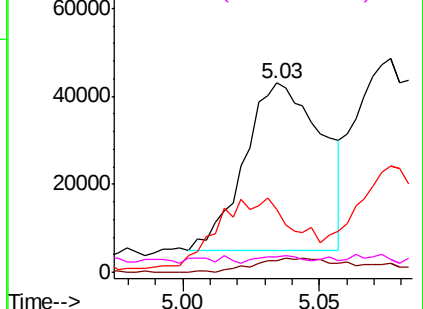


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 3.403 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Tgt Ion: 43 Resp: 1059125

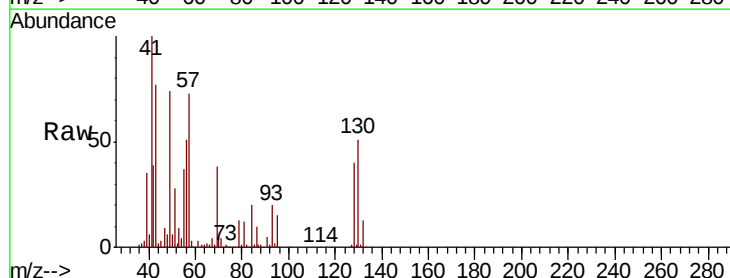
Ion Ratio Lower Upper

43 100

45 5.5 7.8 11.8#

61 4.7 7.8 11.8#

70 8.3 5.6 8.4

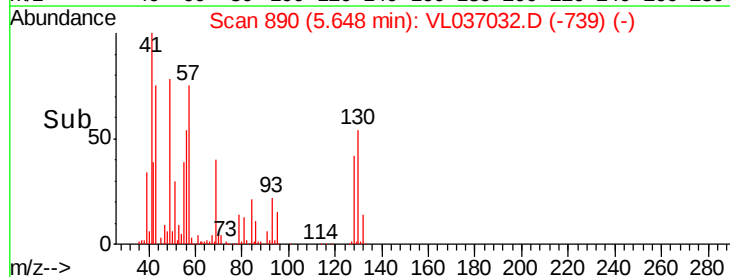
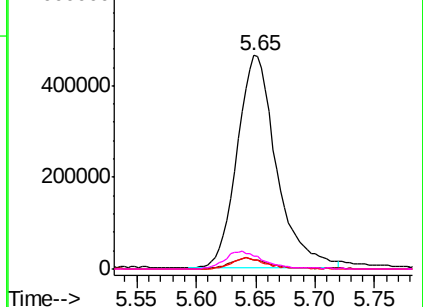


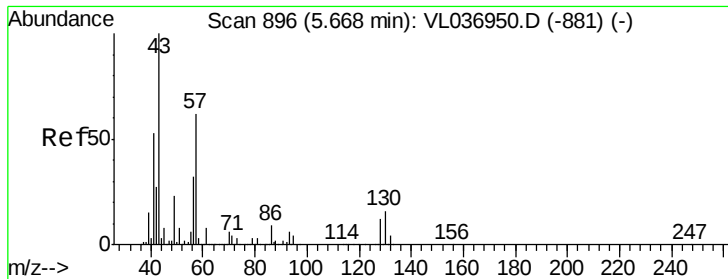
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 6.175 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-09

Tot Ion: 57 Resp: 981968

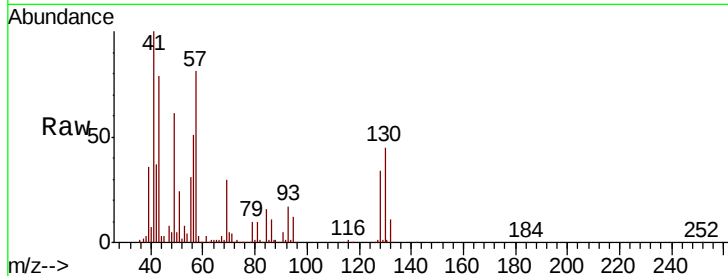
Ion Ratio Lower Upper

57 100

41 180.7 70.5 105.7#

43 110.3 165.8 248.8#

56 82.8 42.2 63.4#

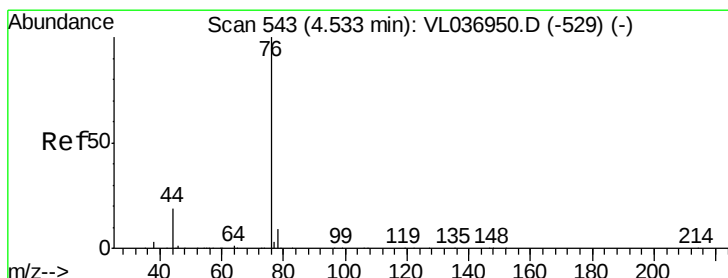
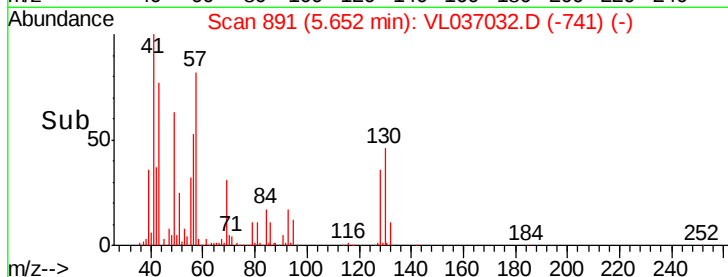
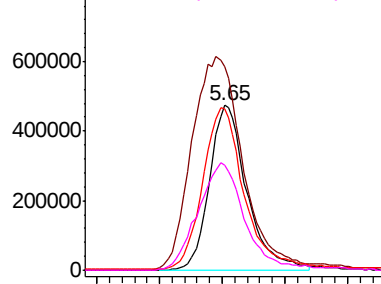


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 1.206 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

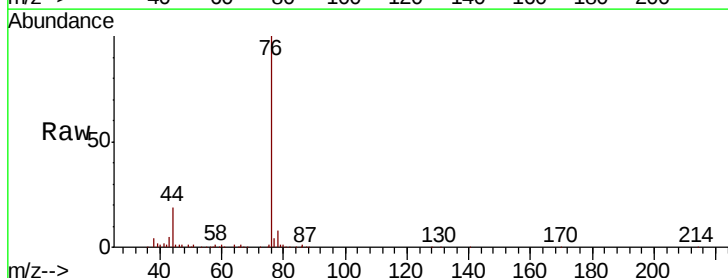
Tgt Ion: 76 Resp: 193241

Ion Ratio Lower Upper

76 100

44 23.2 15.5 23.3

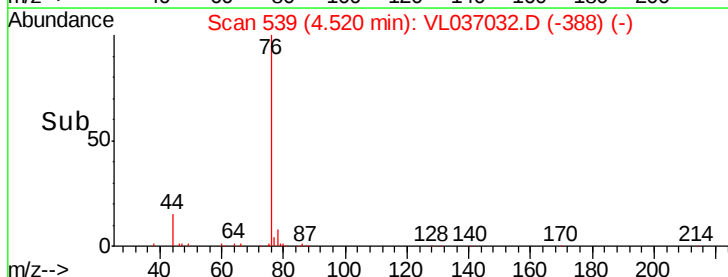
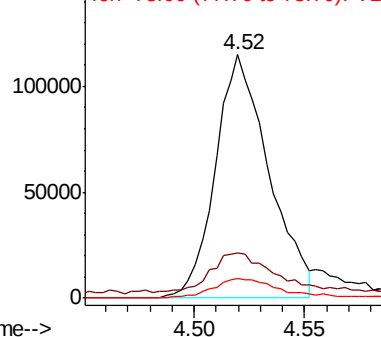
78 11.2 7.8 11.6

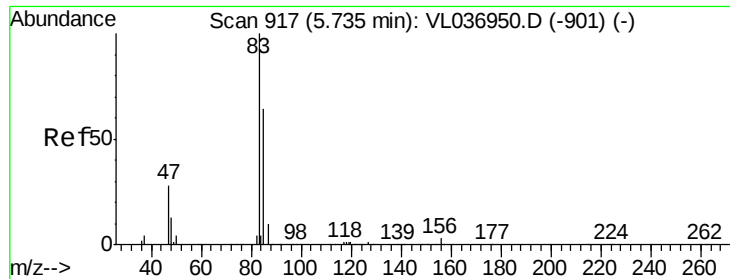


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.107 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

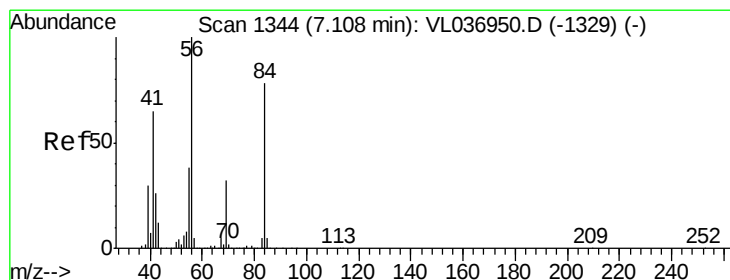
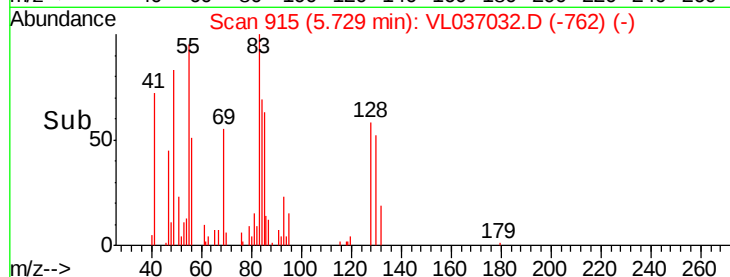
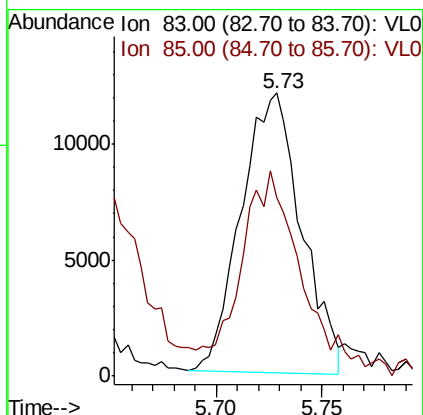
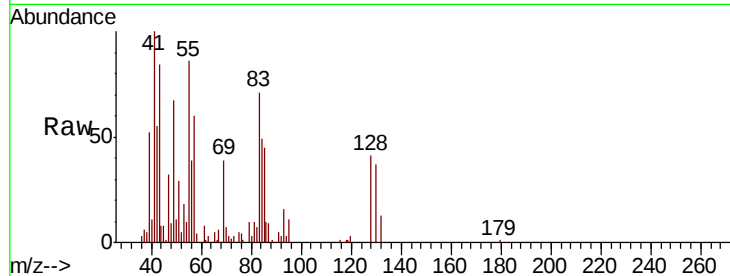
KSV-09

Tot Ion: 83 Resp: 24038

Ion Ratio Lower Upper

83 100

85 54.1 51.1 76.7



#30

Cyclohexane

Concen: 0.508 ppbv

RT: 7.09 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

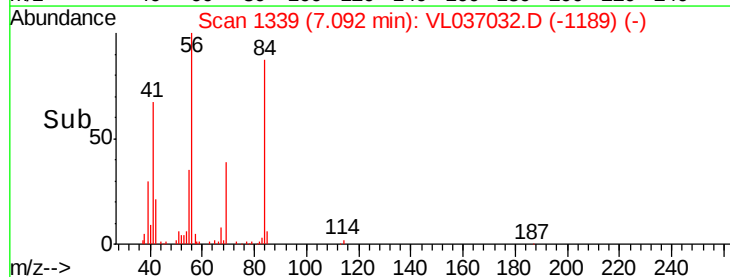
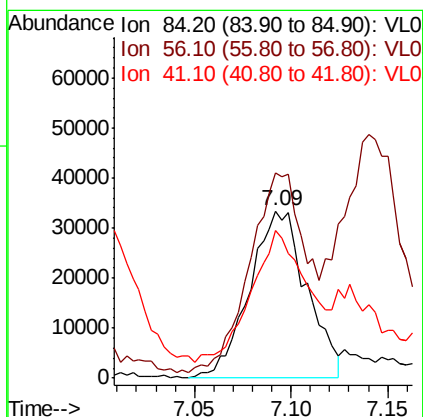
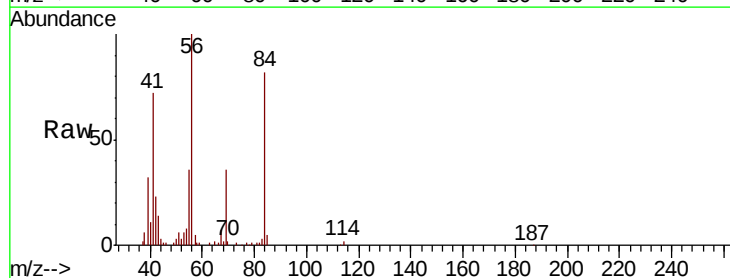
Tgt Ion: 84 Resp: 68667

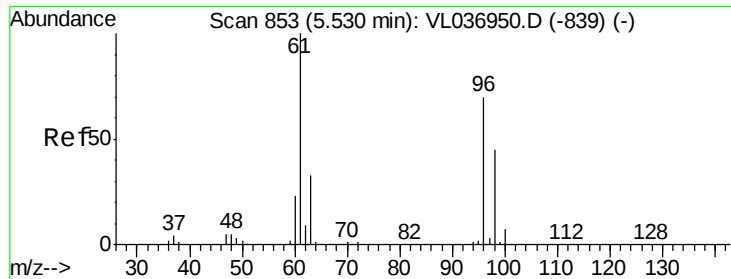
Ion Ratio Lower Upper

84 100

56 109.6 107.9 161.9

41 120.4 65.5 98.3#



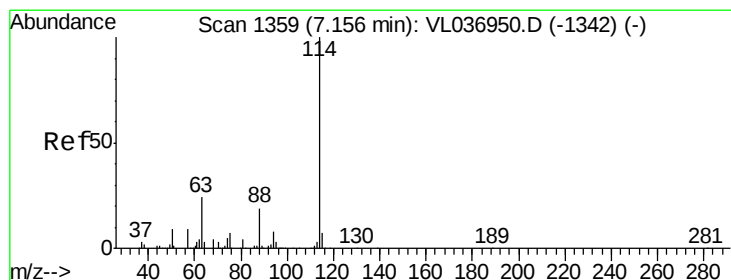
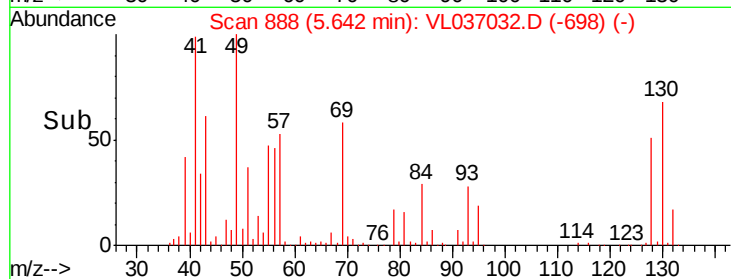
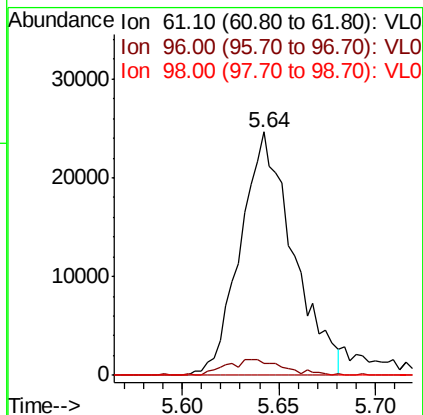
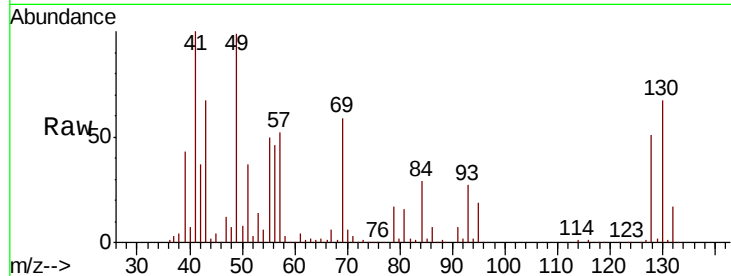


#31

cis-1,2-Dichloroethene
 Concen: 0.328 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. 0.11 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-09

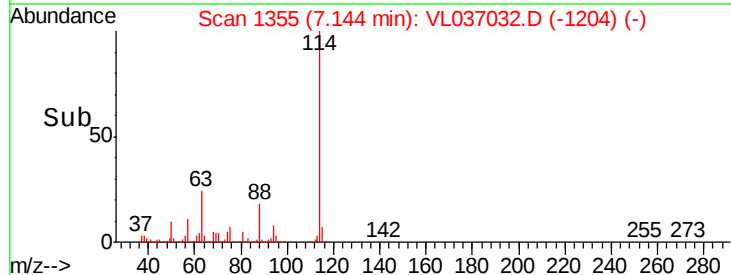
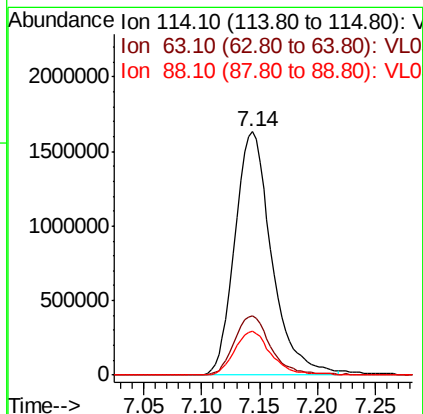
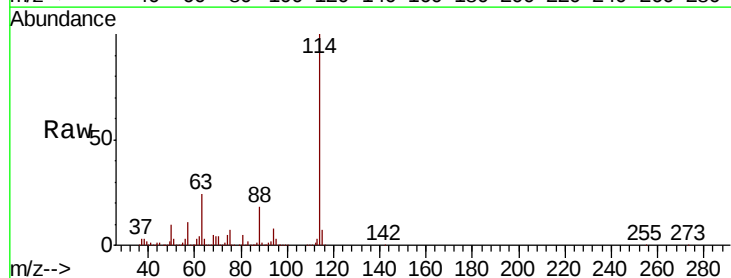
Tot Ion	Ratio	Lower	Upper
61	100		
96	4.2	55.9	83.9#
98	0.0	35.6	53.4#

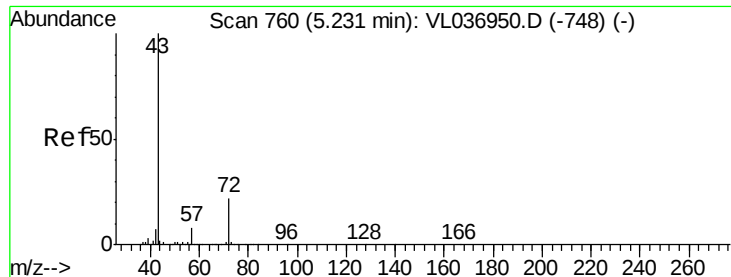


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	18.1	14.6	21.8

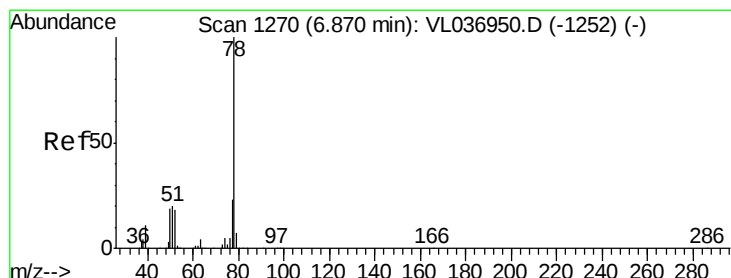
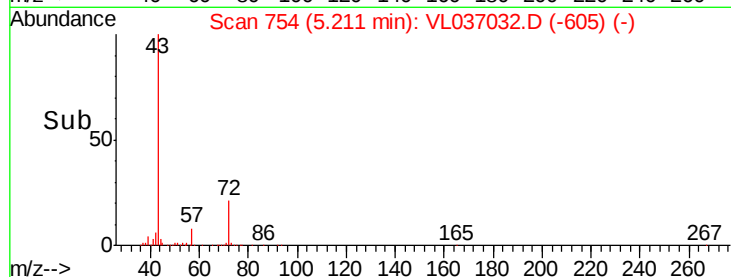
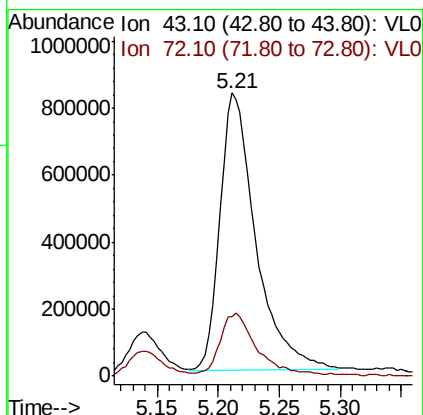
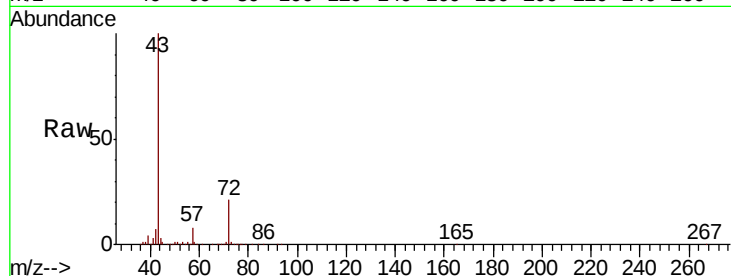




#34
2-Butanone
Concen: 13.087 ppbv
RT: 5.21 min Scan# 754
Delta R.T. -0.02 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

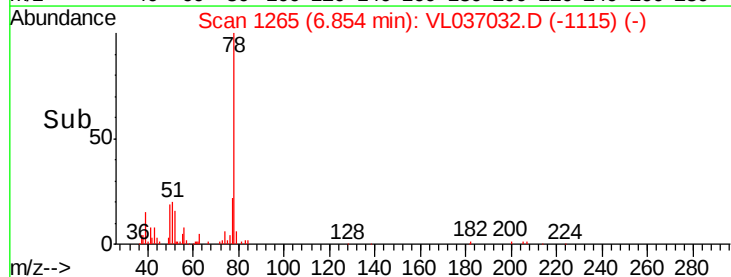
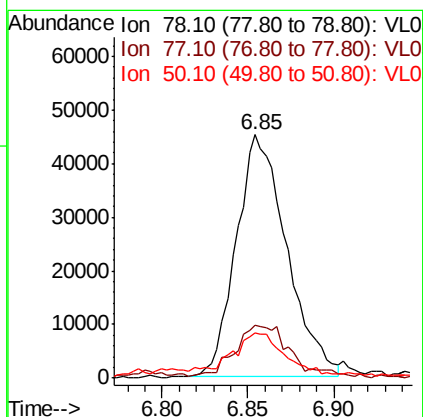
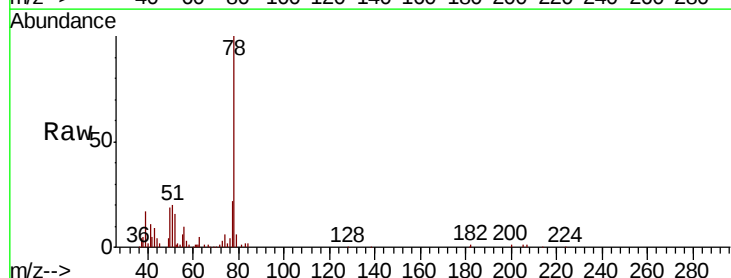
Instrument :
MSVOA_L
ClientSampleId :
KSV-09

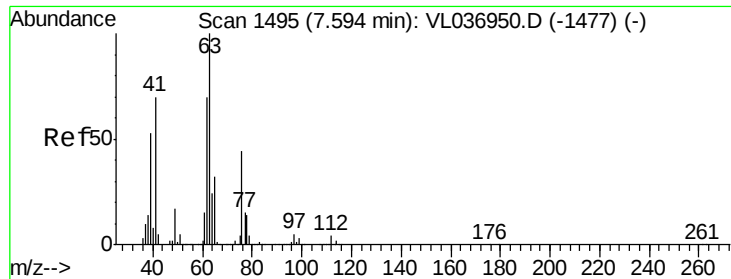
Tot Ion: 43 Resp: 1716881
Ion Ratio Lower Upper
43 100
72 24.3 19.0 28.4



#36
Benzene
Concen: 0.298 ppbv
RT: 6.85 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

Tgt Ion: 78 Resp: 92593
Ion Ratio Lower Upper
78 100
77 21.3 18.6 28.0
50 17.0 15.0 22.4

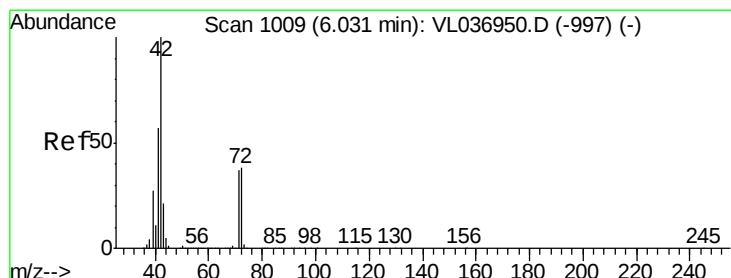
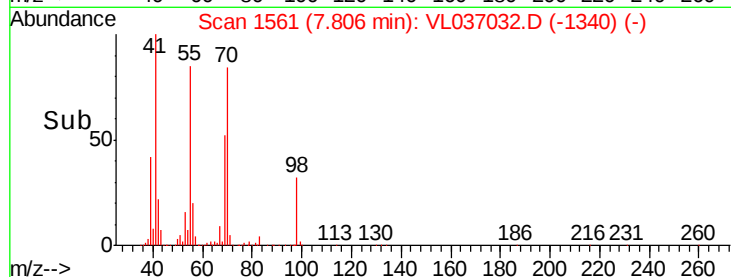
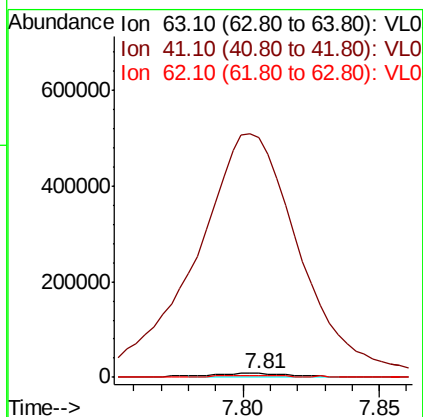
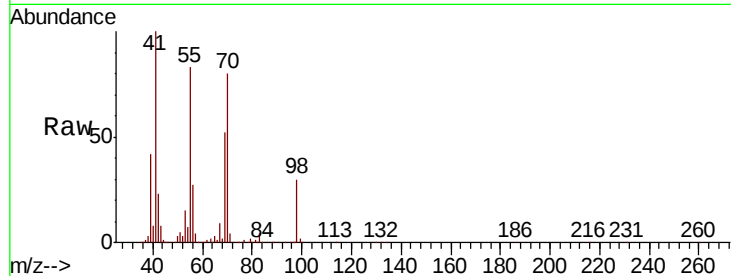




#39
 1,2-Dichloropropane
 Concen: 0.100 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. 0.21 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

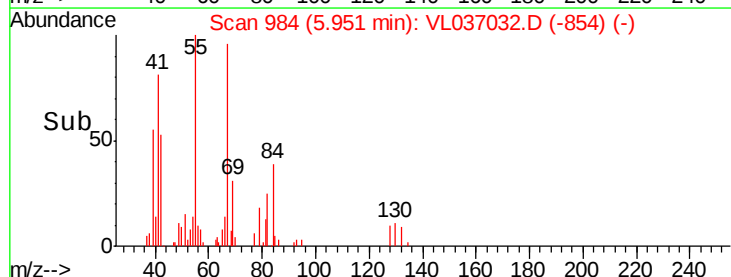
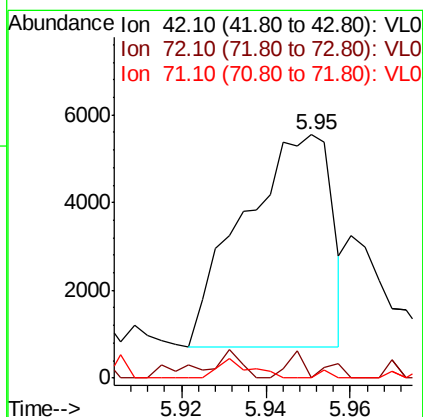
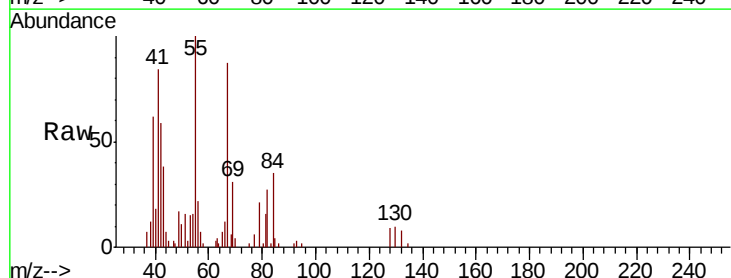
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-09

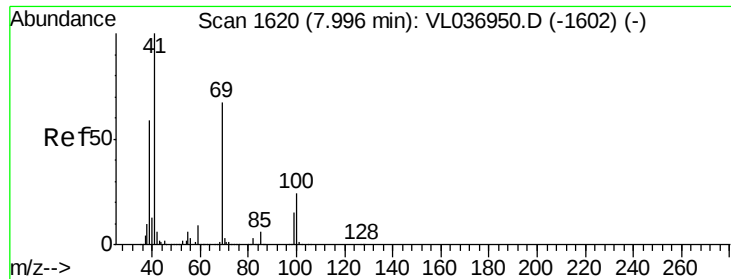
Tot Ion: 63 Resp: 11975
 Ion Ratio Lower Upper
 63 100
 41 5836.7 55.7 83.5#
 62 43.4 56.2 84.4#



#41
 Tetrahydrofuran
 Concen: 0.094 ppbv
 RT: 5.95 min Scan# 984
 Delta R.T. -0.08 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

Tgt Ion: 42 Resp: 7007
 Ion Ratio Lower Upper
 42 100
 72 10.8 31.4 47.2#
 71 0.0 30.4 45.6#

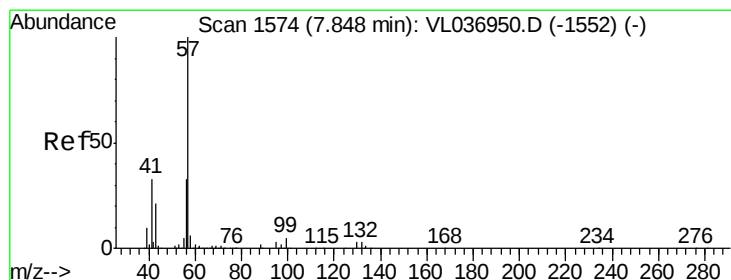
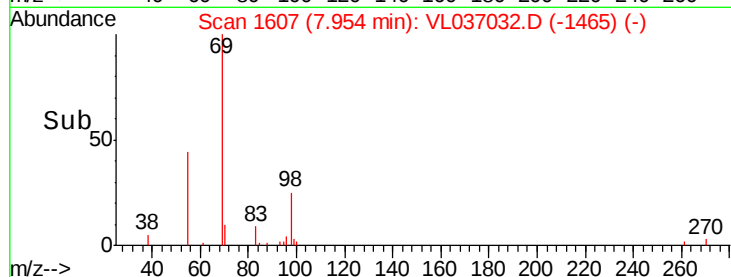
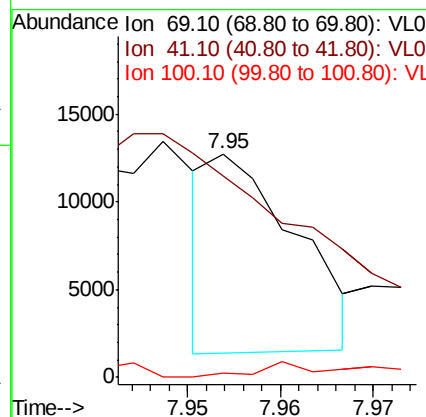
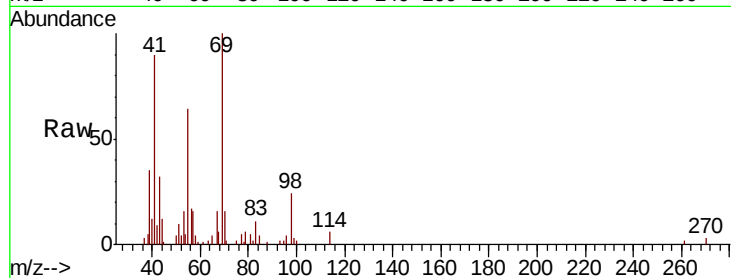




#43
Methyl Methacrylate
Concen: 0.068 ppbv
RT: 7.95 min Scan# 1607
Delta R.T. -0.04 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

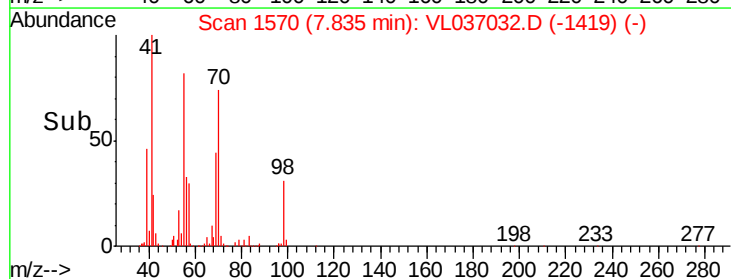
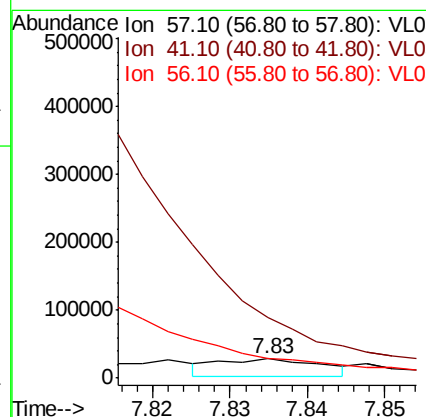
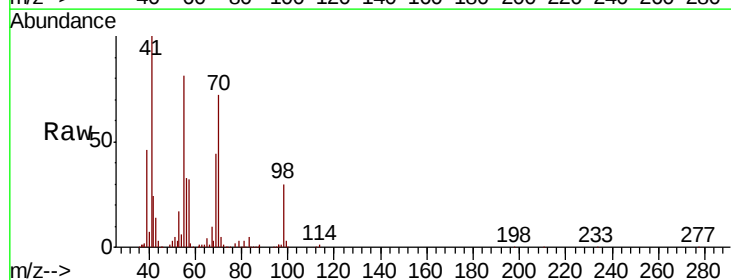
Instrument :
MSVOA_L
ClientSampleId :
KSV-09

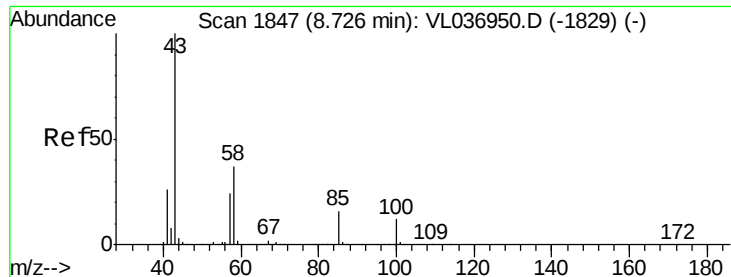
Tot Ion: 69 Resp: 7278
Ion Ratio Lower Upper
69 100
41 0.0 118.6 178.0#
100 14.3 28.2 42.4#



#44
2,2,4-Trimethylpentane
Concen: 0.045 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

Tgt Ion: 57 Resp: 24199
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.4#
56 0.0 25.4 38.2#

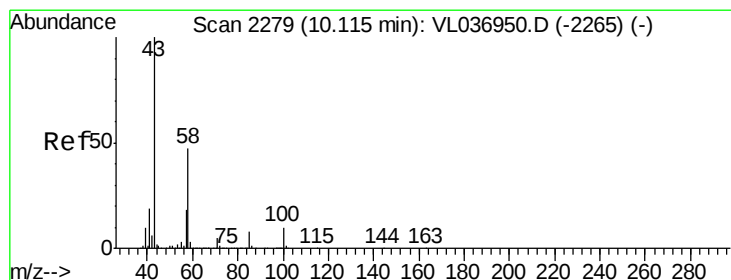
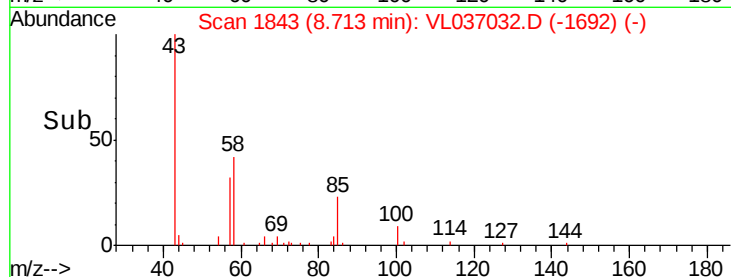
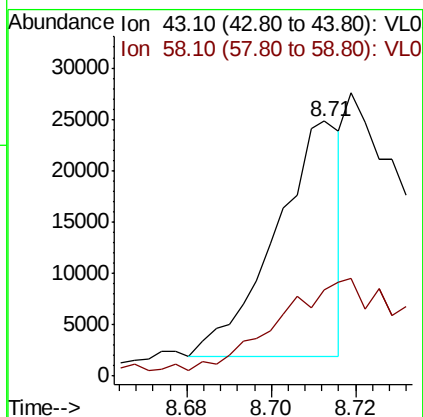
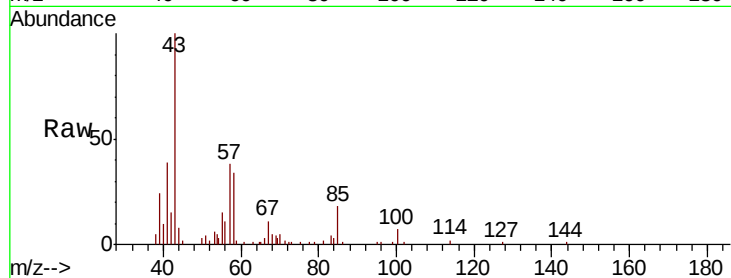




#50
 4-Methyl-2-Pentanone
 Concen: 0.114 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

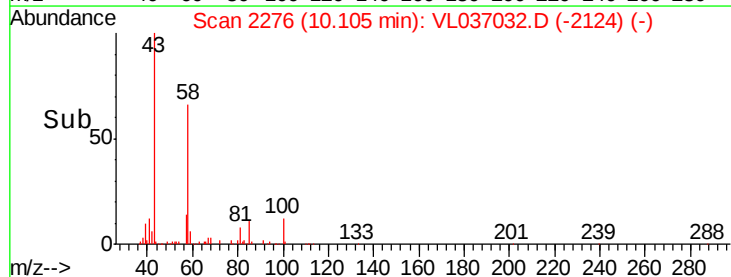
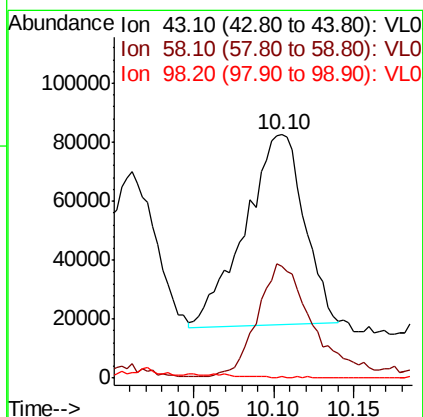
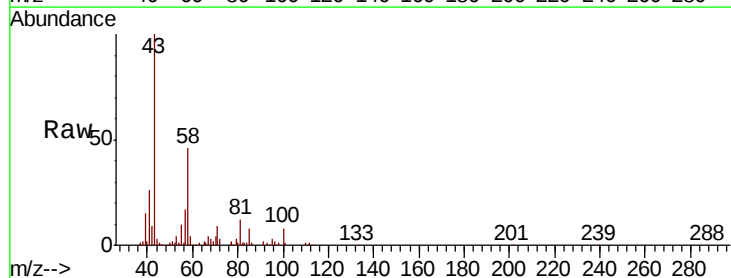
Instrument :
 MSVOA_L
 ClientSampleID :
 KSV-09

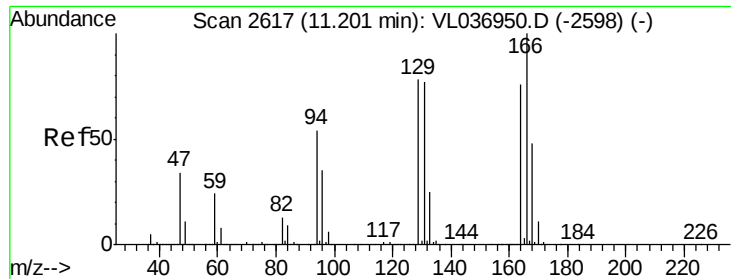
Tot Ion: 43 Resp: 24751
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#



#51
 2-Hexanone
 Concen: 1.444 ppbv
 RT: 10.10 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: VL037032.D
 Acq: 20 May 2021 20:27

Tgt Ion: 43 Resp: 165256
 Ion Ratio Lower Upper
 43 100
 58 58.7 41.1 61.7
 98 2.2 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.036 ppbv

RT: 11.18 min Scan# 2609

Delta R.T. -0.03 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-09

Tot Ion:164 Resp: 4447

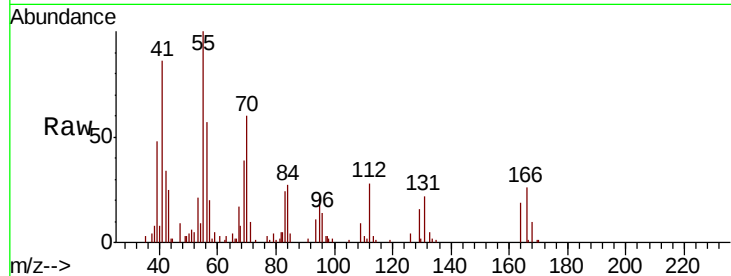
Ion Ratio Lower Upper

164 100

166 140.3 105.5 158.3

129 98.7 81.8 122.8

131 117.3 81.2 121.8

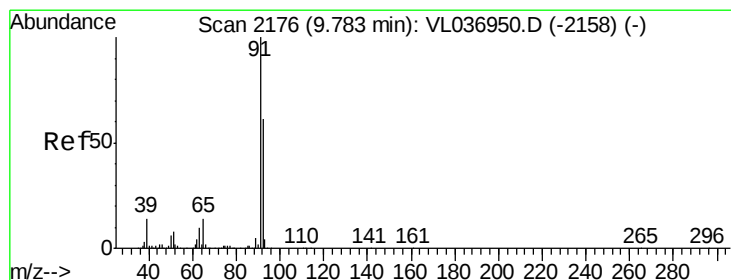
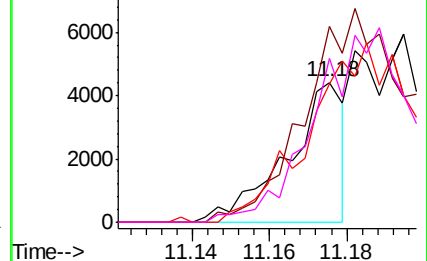
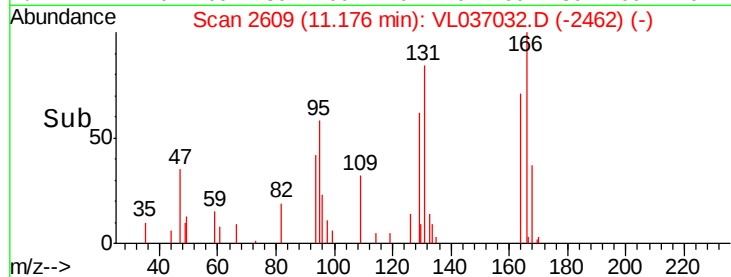


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.292 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037032.D

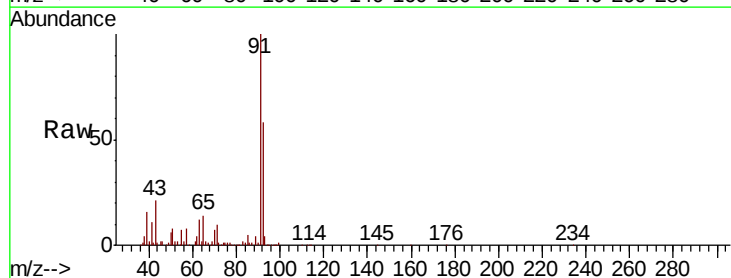
Acq: 20 May 2021 20:27

Tgt Ion: 91 Resp: 477228

Ion Ratio Lower Upper

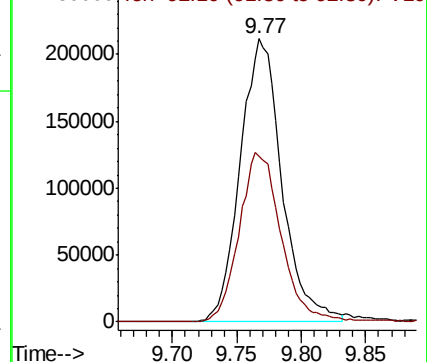
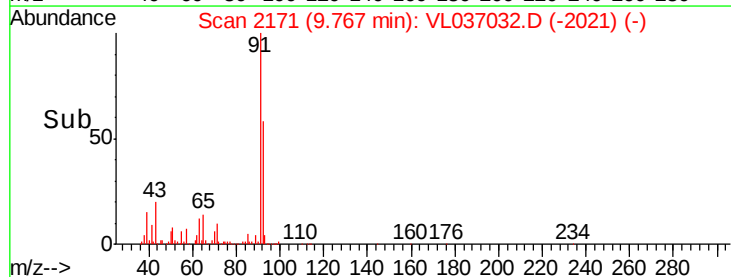
91 100

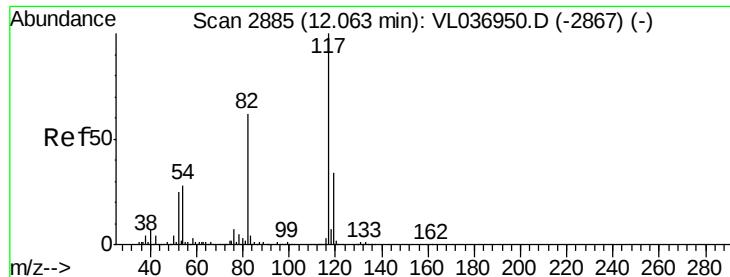
92 60.4 49.5 74.3



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: 12.05 min Scan# 2880

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-09

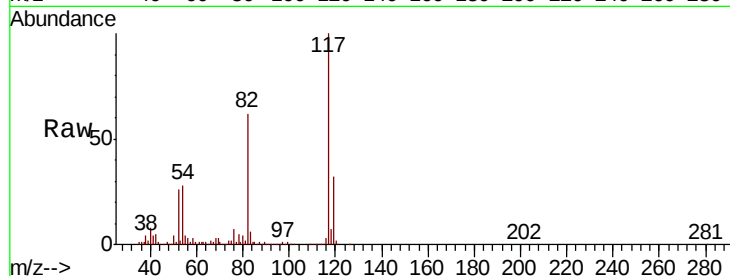
Tot Ion:117 Resp: 3266984

Ion Ratio Lower Upper

117 100

82 63.2 52.6 79.0

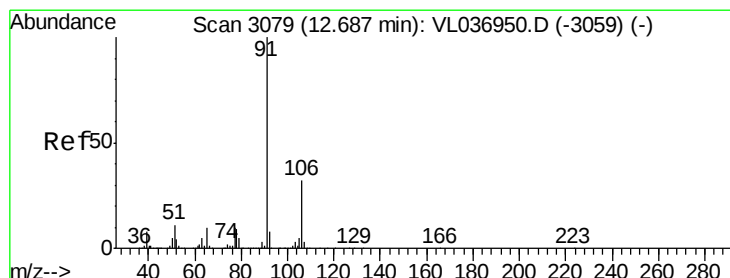
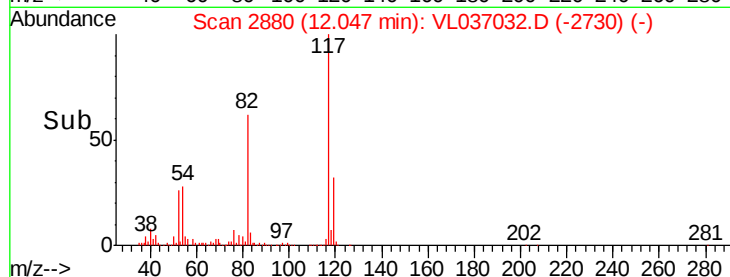
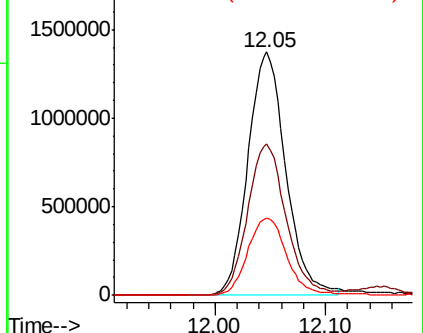
119 33.6 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.267 ppbv

RT: 12.67 min Scan# 3075

Delta R.T. -0.01 min

Lab File: VL037032.D

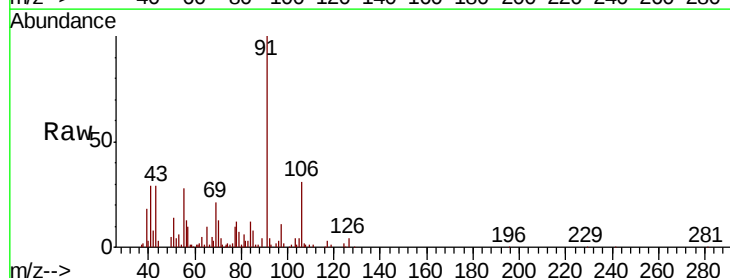
Acq: 20 May 2021 20:27

Tgt Ion: 91 Resp: 123044

Ion Ratio Lower Upper

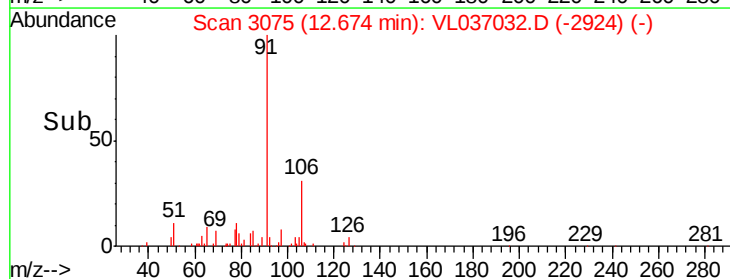
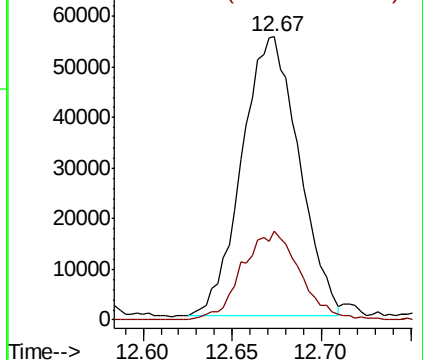
91 100

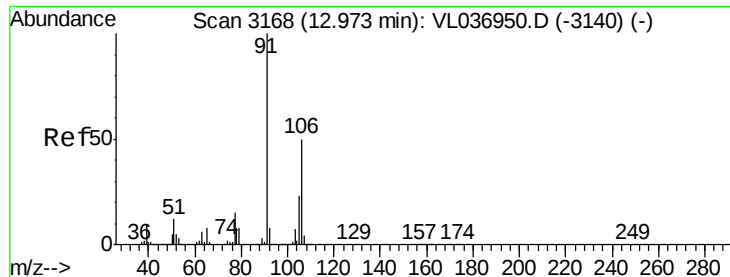
106 31.7 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.689 ppbv

RT: 12.93 min Scan# 3154

Delta R.T. -0.05 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

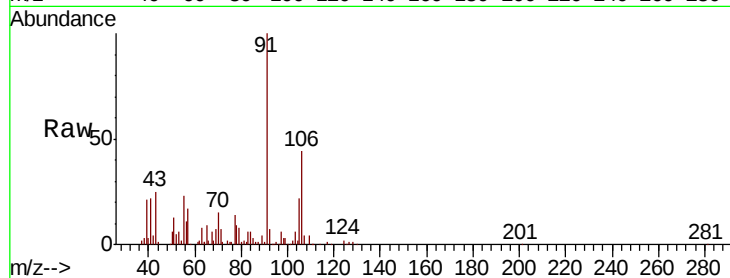
KSV-09

Tot Ion: 91 Resp: 262689

Ion Ratio Lower Upper

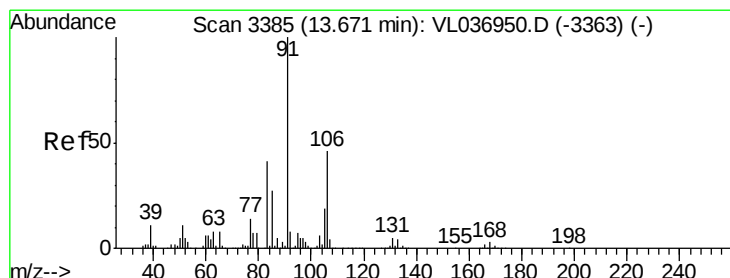
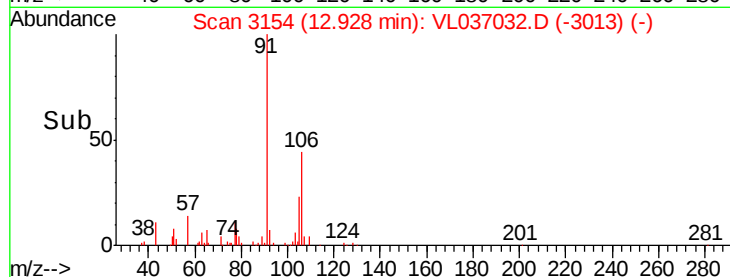
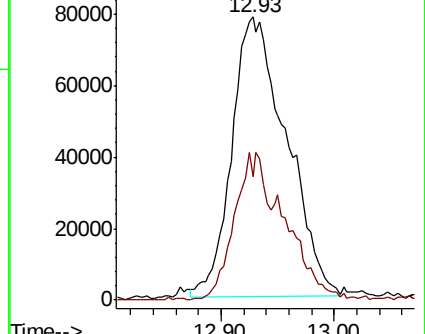
91 100

106 48.6 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: 0.266 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.02 min

Lab File: VL037032.D

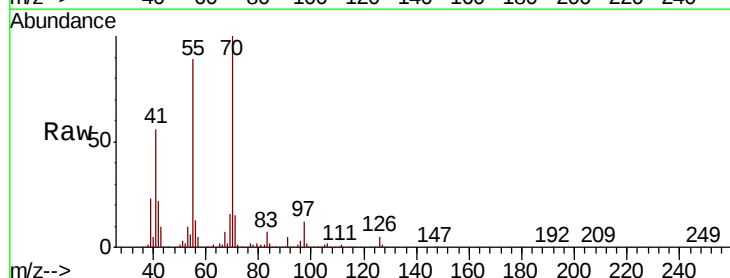
Acq: 20 May 2021 20:27

Tgt Ion: 91 Resp: 96872

Ion Ratio Lower Upper

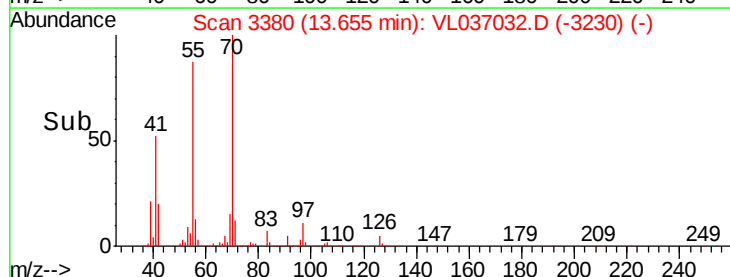
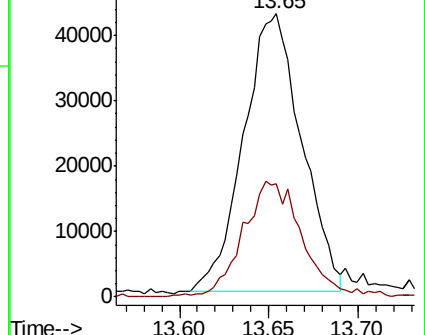
91 100

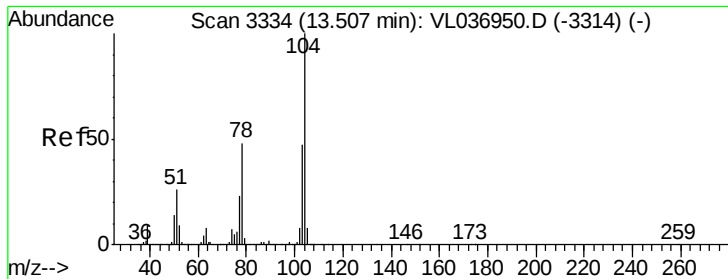
106 42.6 23.4 70.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.219 ppbv

RT: 13.49 min Scan# 3328

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-09

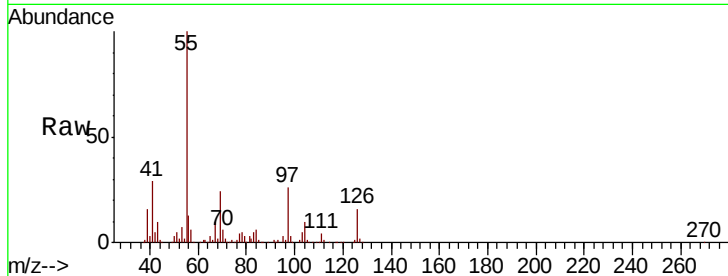
Tot Ion:104 Resp: 44945

Ion Ratio Lower Upper

104 100

78 66.8 39.0 58.6#

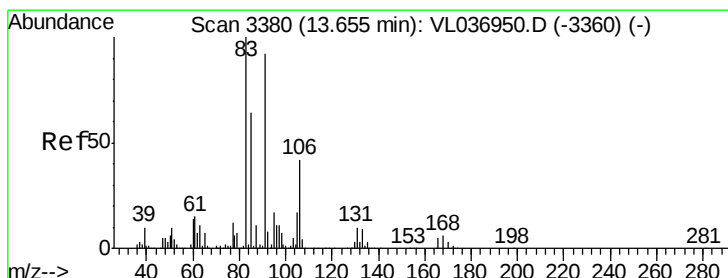
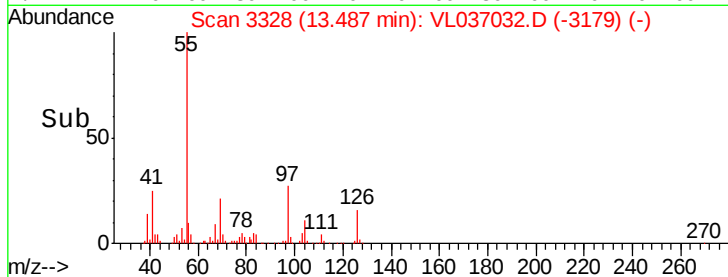
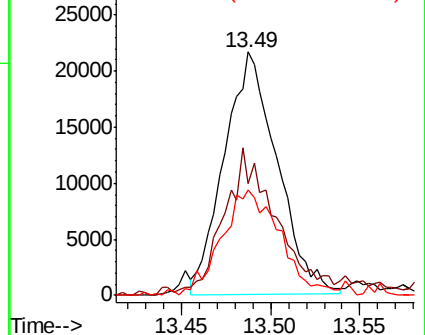
103 50.3 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.511 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

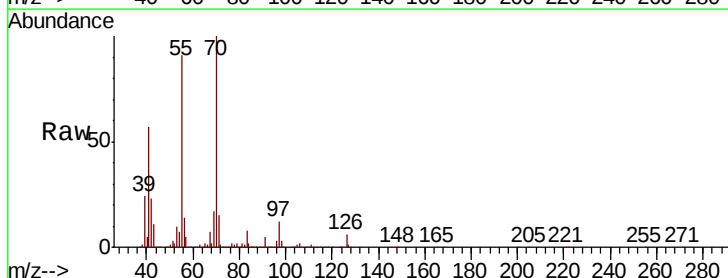
Tgt Ion: 83 Resp: 138849

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

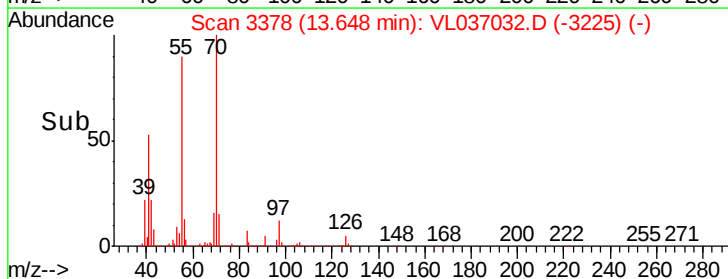
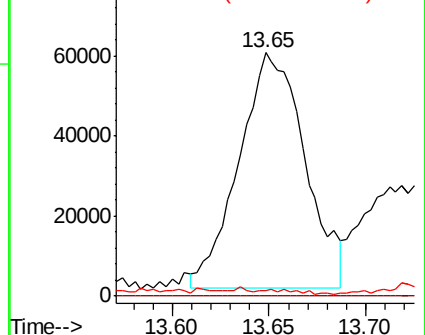
85 2.2 32.9 98.6#

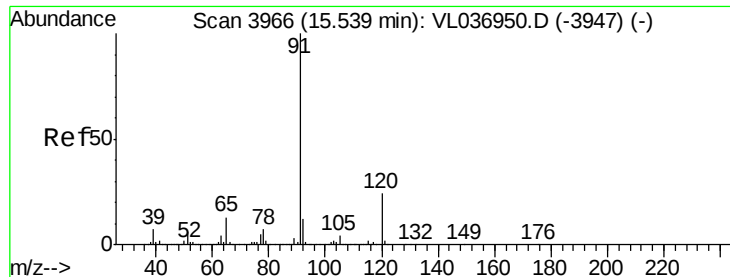


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.066 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

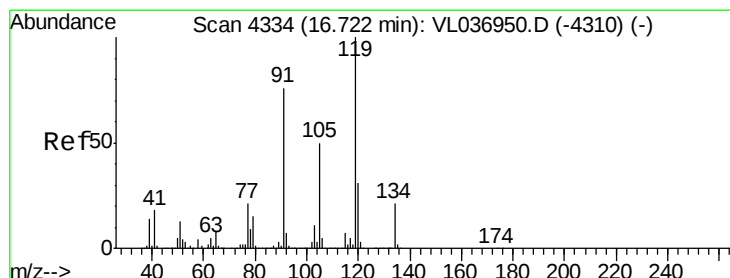
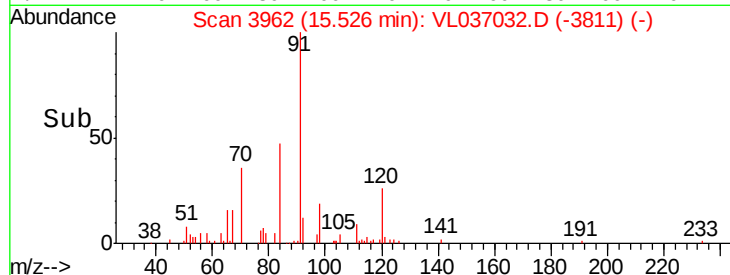
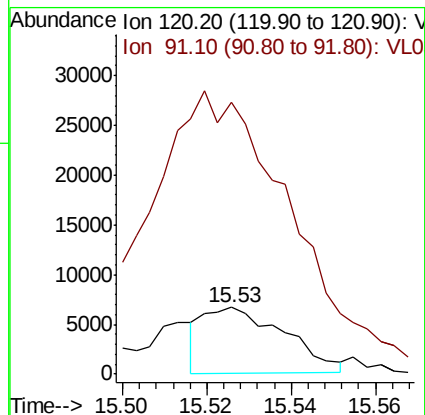
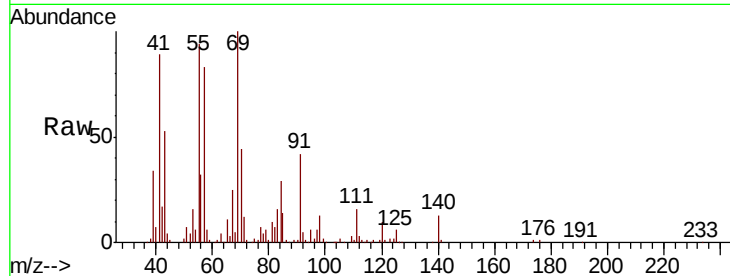
KSV-09

Tot Ion:120 Resp: 8905

Ion Ratio Lower Upper

120 100

91 733.3 343.8 515.6#



#65

tert-Butylbenzene

Concen: 0.059 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

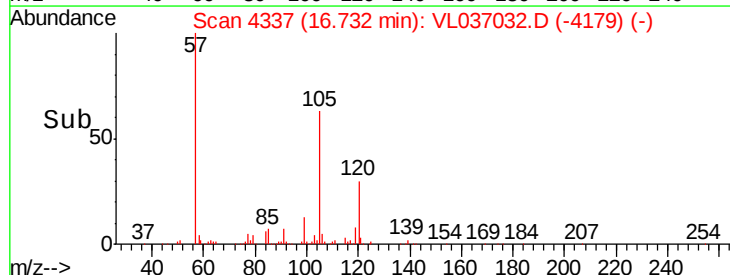
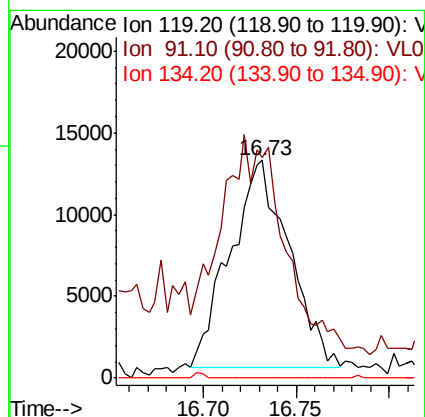
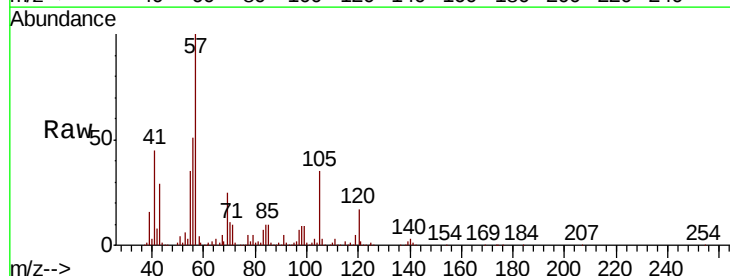
Tgt Ion:119 Resp: 27805

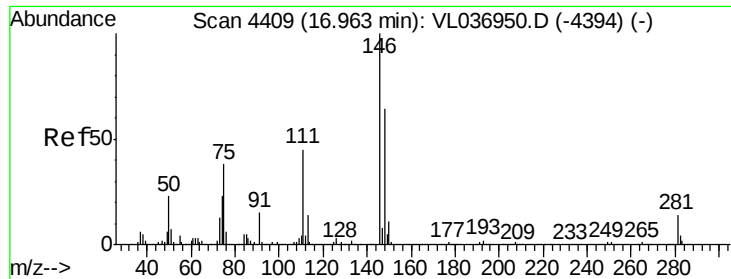
Ion Ratio Lower Upper

119 100

91 116.3 61.9 92.9#

134 0.0 16.2 24.4#

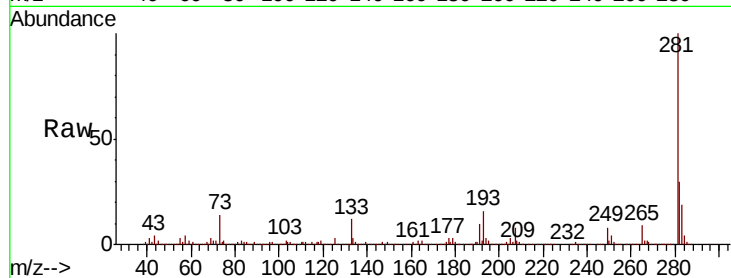




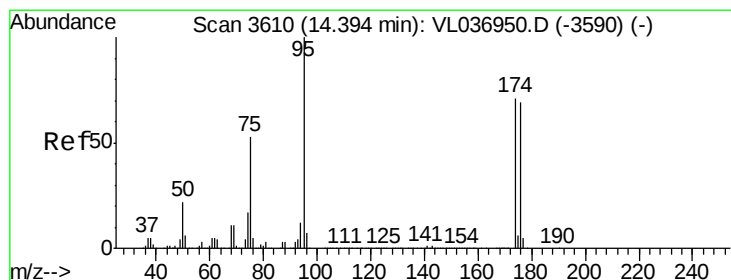
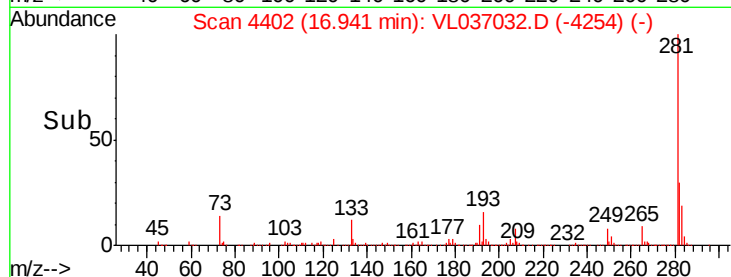
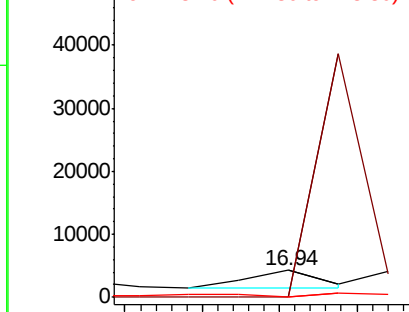
#66
Benzvl Chloride
Concen: 0.035 ppbv
RT: 16.94 min Scan# 4402
Delta R.T. -0.02 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

Instrument :
MSVOA_L
ClientSampled :
KSV-09

Tot Ion: 91 Resp: 922
Ion Ratio Lower Upper
91 100
126 0.0 16.5 24.7#
128 0.0 5.5 8.3#

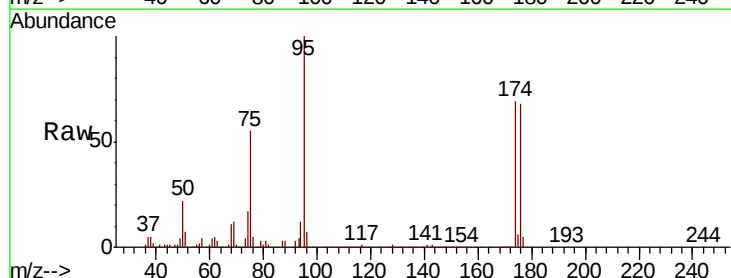


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

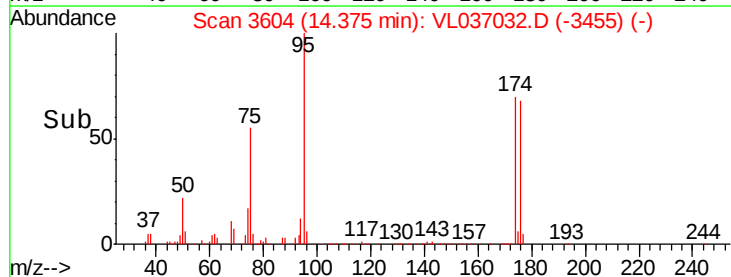
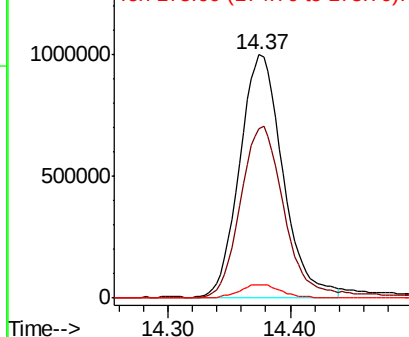


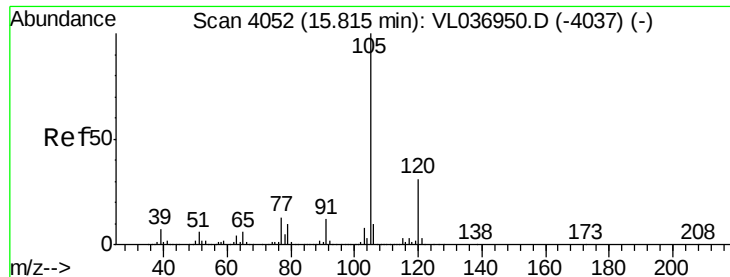
#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 14.37 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL037032.D
Acq: 20 May 2021 20:27

Tgt Ion: 95 Resp: 2439888
Ion Ratio Lower Upper
95 100
174 75.2 58.4 87.6
175 5.7 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.174 ppbv

RT: 15.80 min Scan# 4048

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

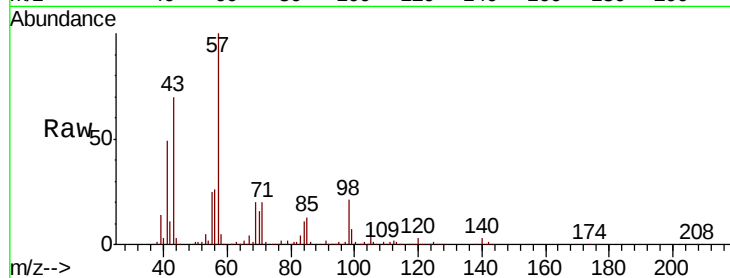
Instrument :

MSVOA_L

ClientSampleId :

KSV-09

Tot Ion:	105	Resp:	75100
Ion	Ratio	Lower	Upper
105	100		
120	33.9	24.6	37.0
91	13.1	9.8	14.6
77	28.5	10.4	15.6



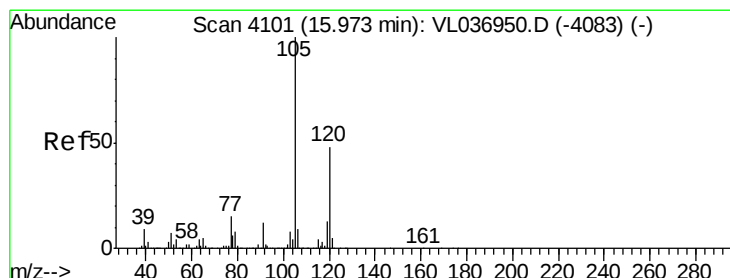
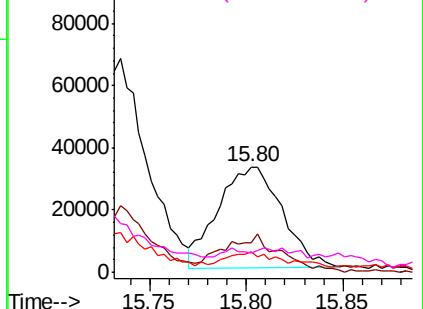
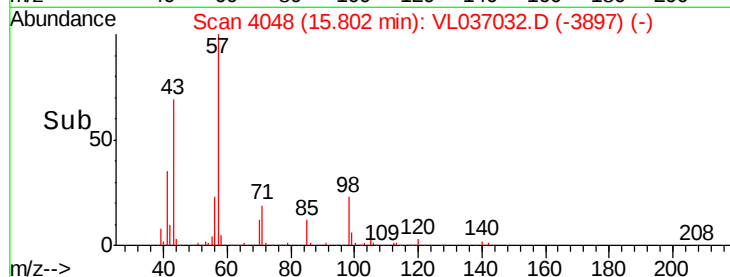
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.187 ppbv

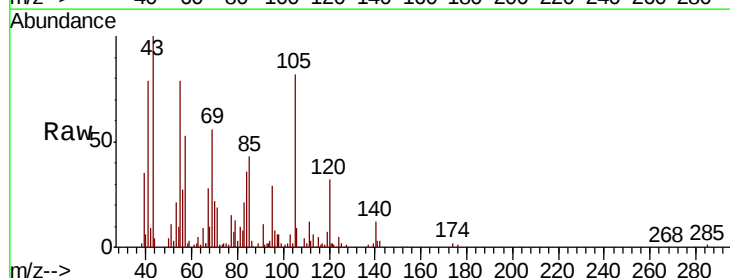
RT: 15.96 min Scan# 4097

Delta R.T. -0.01 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

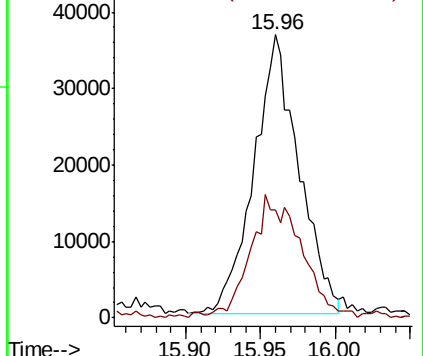
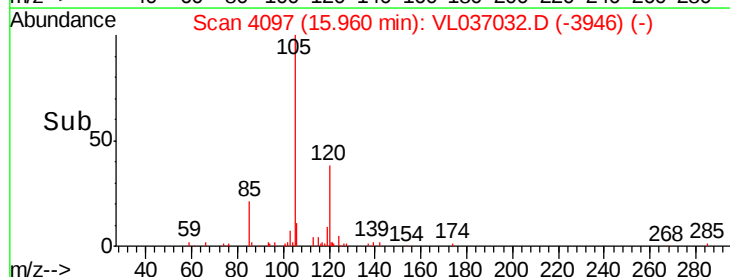
Tgt Ion:	105	Resp:	75838
Ion	Ratio	Lower	Upper
105	100		
120	40.9	38.6	58.0

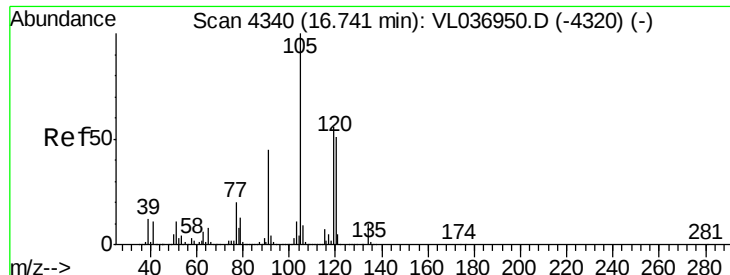


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.611 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL037032.D

Acq: 20 May 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

KSV-09

Tot Ion:105 Resp: 255903

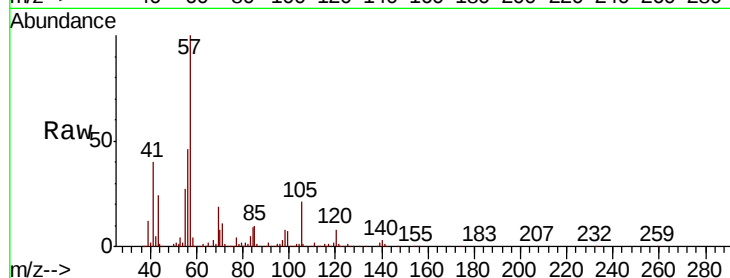
Ion Ratio Lower Upper

105 100

120 40.0 40.6 61.0#

91 9.7 37.4 56.0#

77 15.8 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

