

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037037.D
 Acq On : 20 May 2021 23:35
 Operator : SY/AP
 Sample : M2424-08 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11

Quant Time: May 21 01:19:43 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	1131746	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3454600	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3108681	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2346598	10.05	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

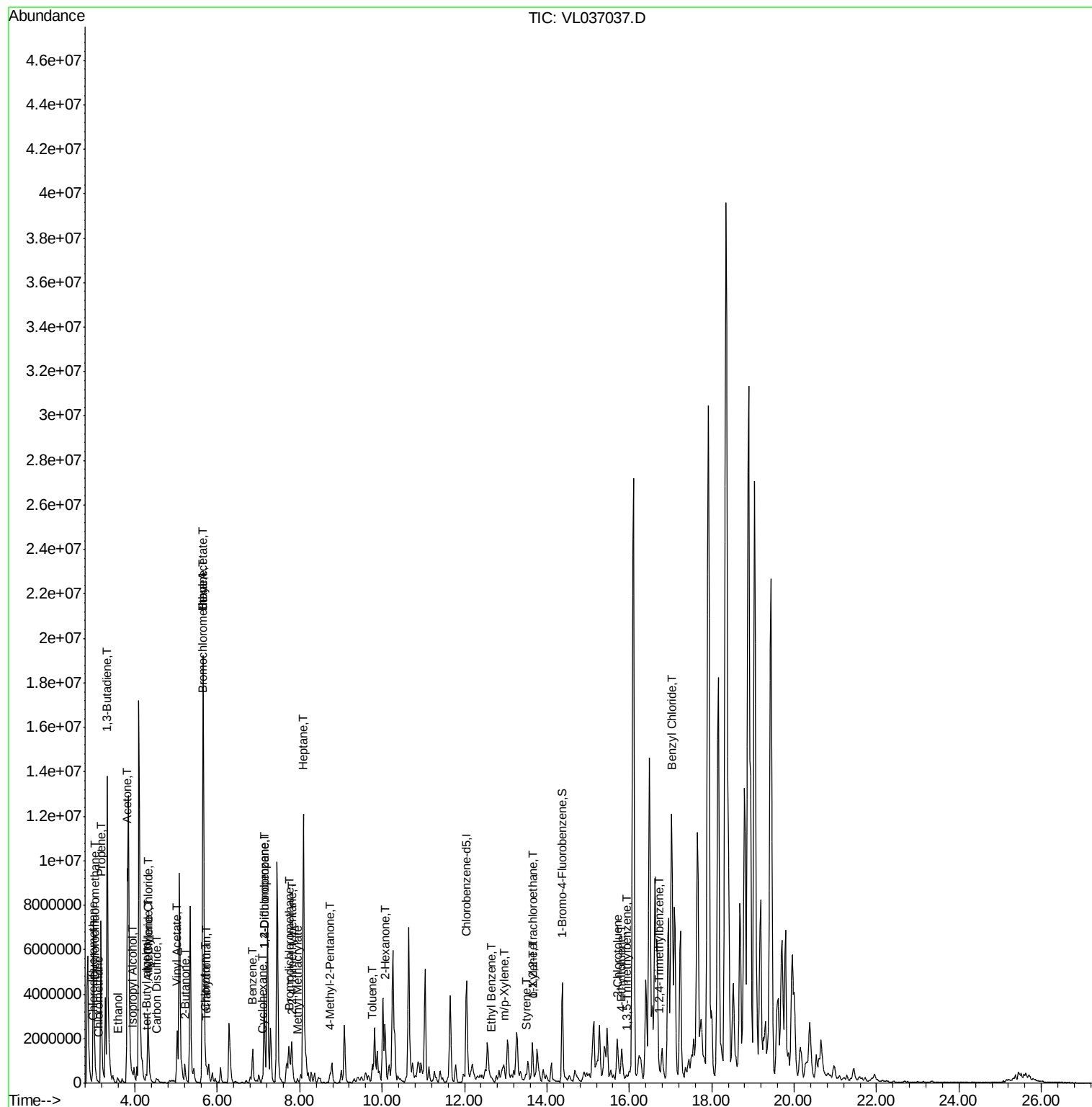
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	15624	0.081	ppbv	97
3) Chlorodifluoromethane	2.96	51	20268	0.098	ppbv	94
4) Chloromethane	3.12	50	3558	0.050	ppbv	95
9) Propene	3.18	41	2448697	32.982	ppbv	93
10) Heptane	8.09	43	6284619	33.966	ppbv	98
13) Ethanol	3.58	45	308916	31.185	ppbv	99
15) Acetone	3.82	43	17474796	150.747	ppbv	95
16) 1,3-Butadiene	3.33	39	3147655	43.705	ppbv #	11
17) tert-Butyl alcohol	4.27	59	201301	1.896	ppbv #	72
19) Isopropyl Alcohol	3.95	45	239382	3.842	ppbv #	30
20) Methylene Chloride	4.32	84	1185660	19.081	ppbv	98
21) Allyl Chloride	4.33	41	227373	2.600	ppbv #	51
23) Vinyl Acetate	5.02	43	837278	4.551	ppbv #	1
25) Ethyl Acetate	5.66	43	7106876	25.513	ppbv #	78
26) Hexane	5.66	57	9635368	67.711	ppbv #	46
27) Carbon Disulfide	4.52	76	244399	1.704	ppbv	97
29) Chloroform	5.72	83	10648	0.053	ppbv #	68
30) Cyclohexane	7.09	84	79546	0.658	ppbv #	85
34) 2-Butanone	5.21	43	1186807	9.435	ppbv	97
36) Benzene	6.85	78	1326128	4.457	ppbv	99
39) 1,2-Dichloropropane	7.14	63	814300	7.104	ppbv #	26
41) Tetrahydrofuran	5.74	42	106088	1.481	ppbv #	37
42) Bromodichloromethane	7.76	83	96171	0.431	ppbv #	28
43) Methyl Methacrylate	7.94	69	79633	0.776	ppbv #	1
44) 2,2,4-Trimethylpentane	7.83	57	56593	0.111	ppbv #	1
50) 4-Methyl-2-Pentanone	8.72	43	13710	0.066	ppbv #	1
51) 2-Hexanone	10.07	43	1741932	15.874	ppbv #	31
53) Toluene	9.76	91	562464	1.589	ppbv	97
58) Ethyl Benzene	12.67	91	31709	0.072	ppbv	97
59) m/p-Xylene	12.95	91	33135	0.091	ppbv #	30
60) o-Xylene	13.65	91	25152	0.073	ppbv	66
61) Styrene	13.48	104	11772	0.060	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.64	83	23353	0.090	ppbv #	25
66) Benzyl Chloride	17.02	91	3432	0.138	ppbv #	1
71) 2-Chlorotoluene	15.73	91	14165	0.039	ppbv	81
72) 4-Ethyltoluene	15.79	105	21942	0.053	ppbv #	49
73) 1,3,5-Trimethylbenzene	15.95	105	19816	0.051	ppbv	98
74) 1,2,4-Trimethylbenzene	16.72	105	147828	0.371	ppbv #	71

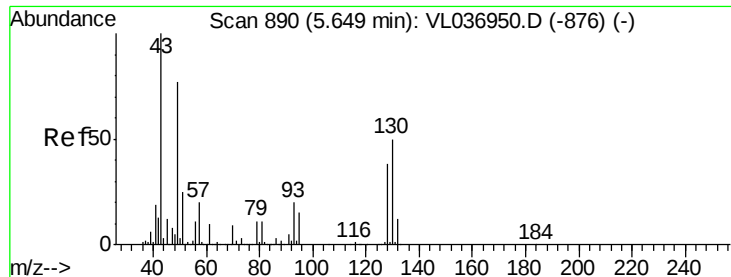
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052021\
Data File : VL037037.D
Acq On : 20 May 2021 23:35
Operator : SY/AP
Sample : M2424-08 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
KSV-11

Quant Time: May 21 01:19:43 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

KSV-11

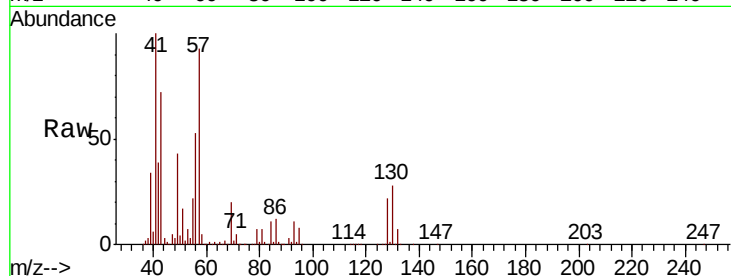
Tot Ion: 49 Resp: 1131746

Ion Ratio Lower Upper

49 100

128 50.7 26.9 80.7

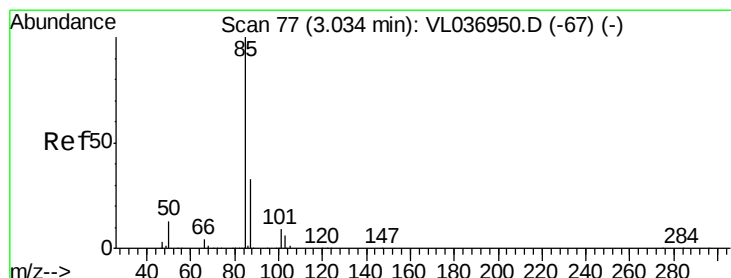
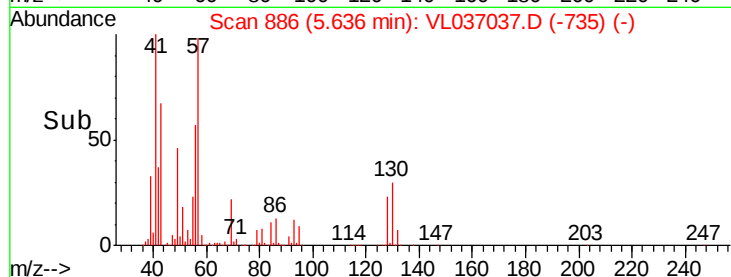
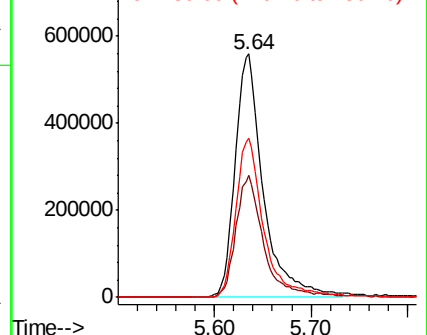
130 66.4 33.8 101.4



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: 0.081 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037037.D

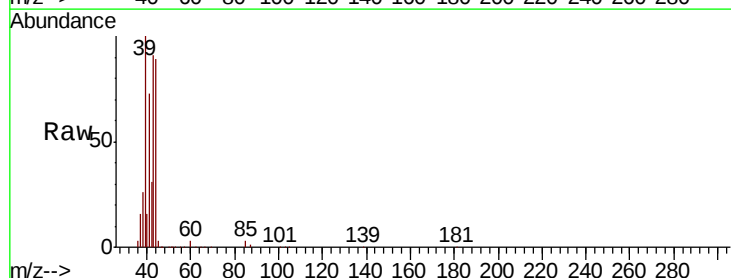
Acq: 20 May 2021 23:35

Tgt Ion: 85 Resp: 15624

Ion Ratio Lower Upper

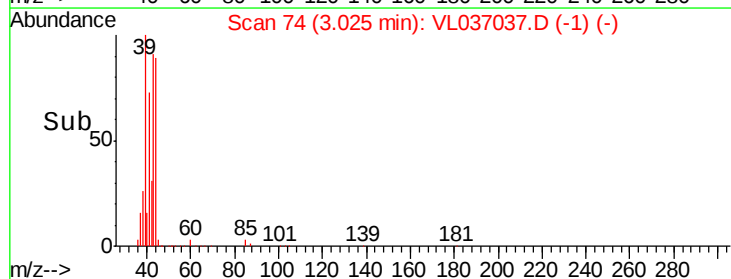
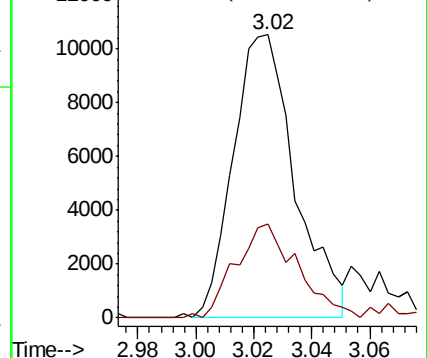
85 100

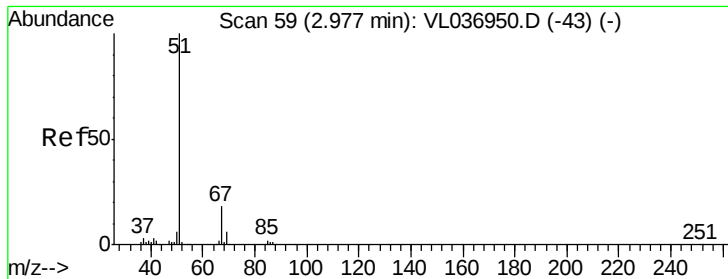
87 31.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.098 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampled :

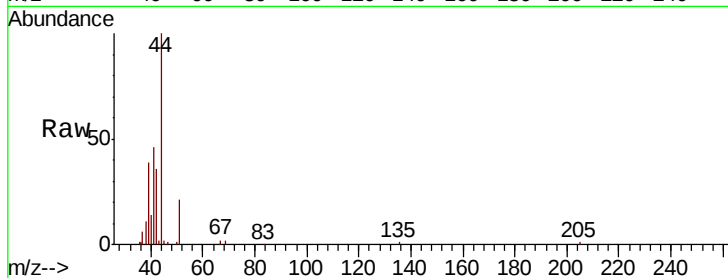
KSV-11

Tot Ion: 51 Resp: 20268

Ion Ratio Lower Upper

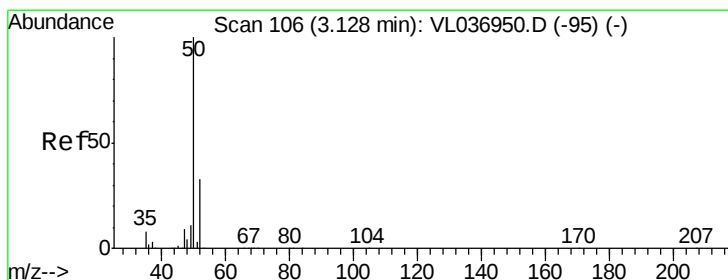
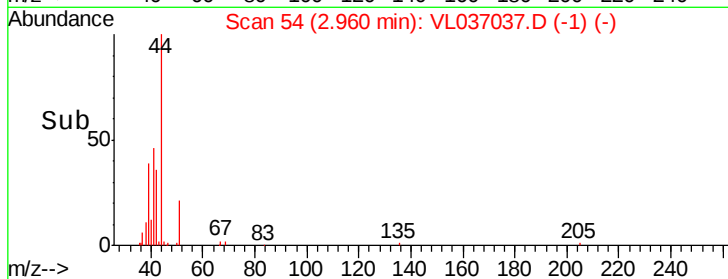
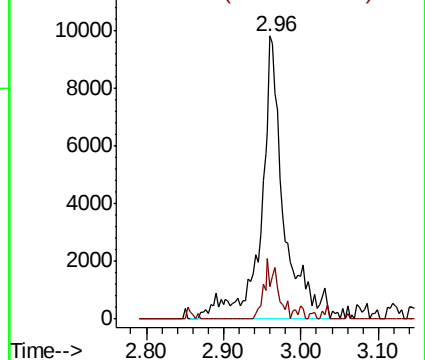
51 100

67 15.3 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.050 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037037.D

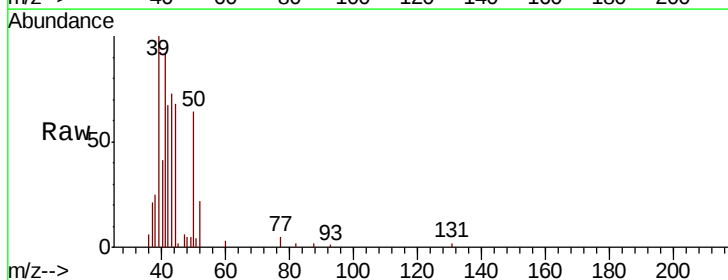
Acq: 20 May 2021 23:35

Tgt Ion: 50 Resp: 3558

Ion Ratio Lower Upper

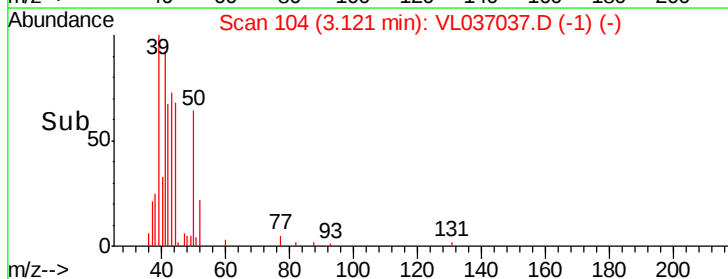
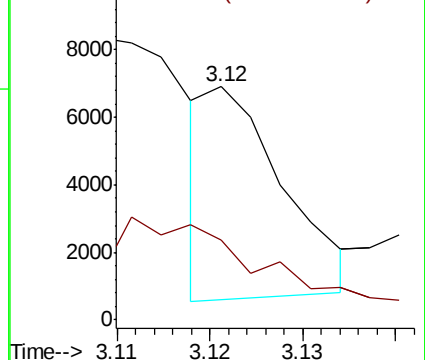
50 100

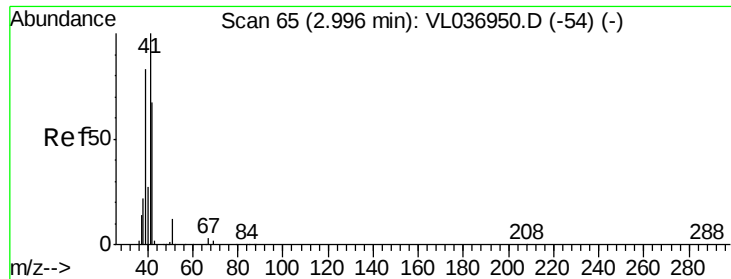
52 29.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 32.982 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.18 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

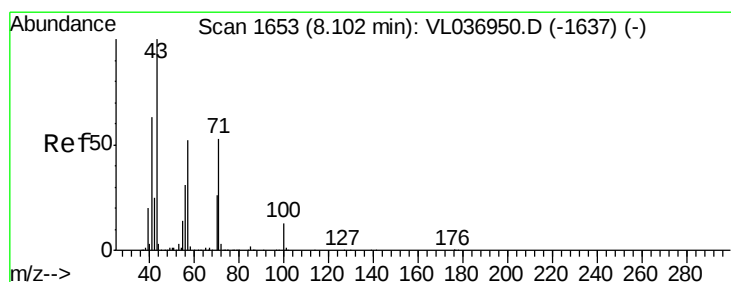
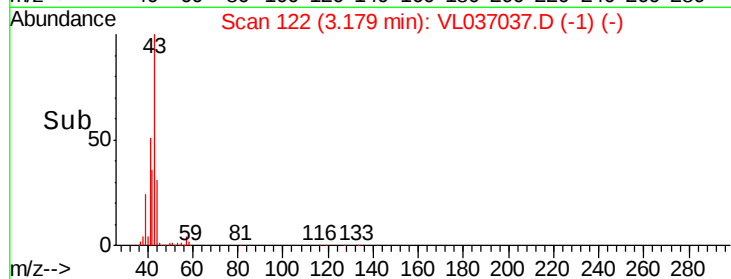
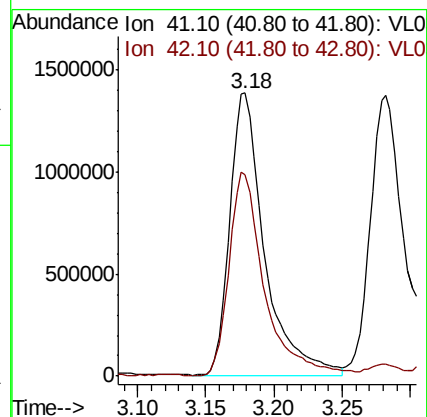
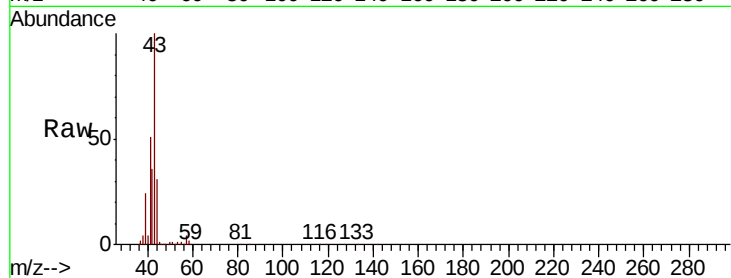
KSV-11

Tot Ion: 41 Resp: 2448697

Ion Ratio Lower Upper

41 100

42 73.0 53.9 80.9



#10

Heptane

Concen: 33.966 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL037037.D

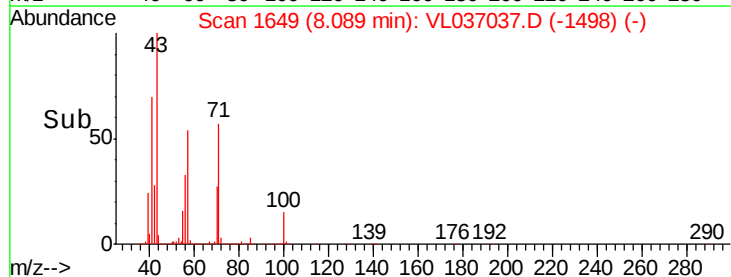
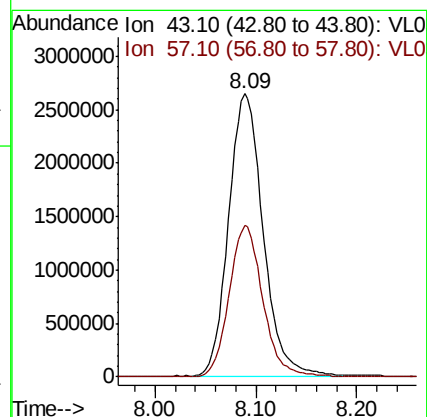
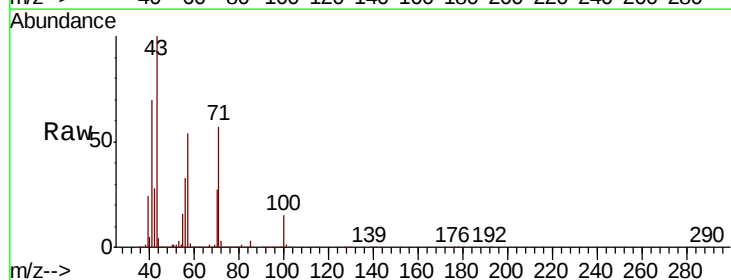
Acq: 20 May 2021 23:35

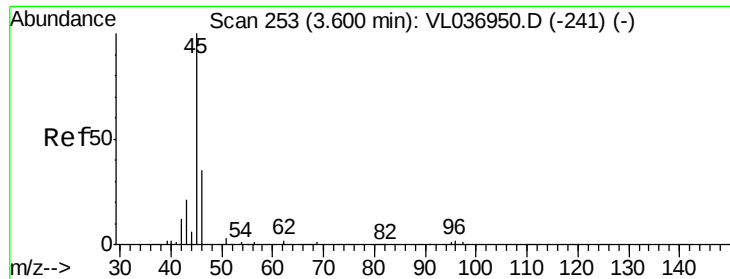
Tgt Ion: 43 Resp: 6284619

Ion Ratio Lower Upper

43 100

57 52.6 41.0 61.6





#13

Ethanol

Concen: 31.185 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.02 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

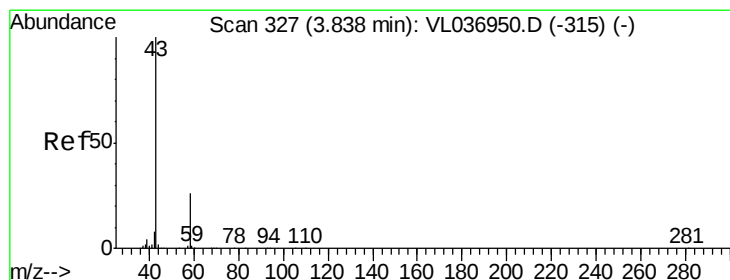
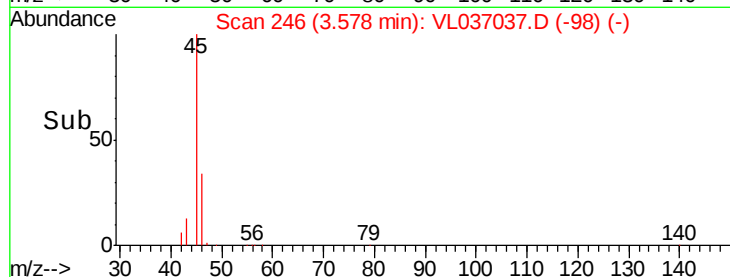
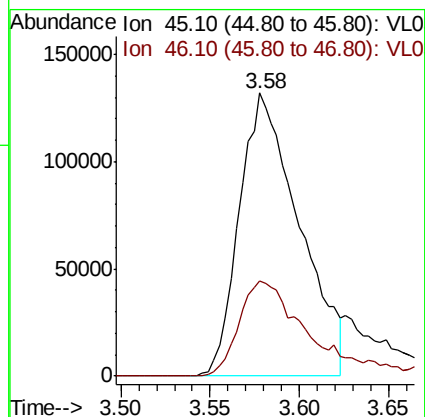
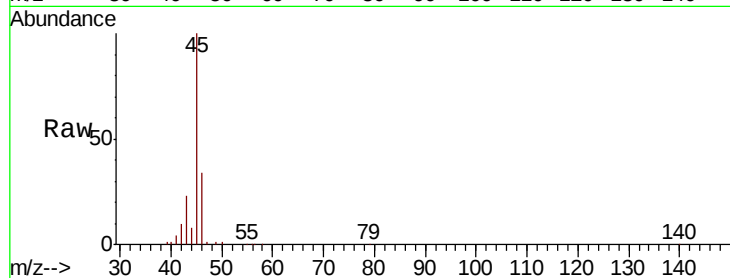
KSV-11

Tot Ion: 45 Resp: 308916

Ion Ratio Lower Upper

45 100

46 41.7 16.3 65.3



#15

Acetone

Concen: 150.747 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL037037.D

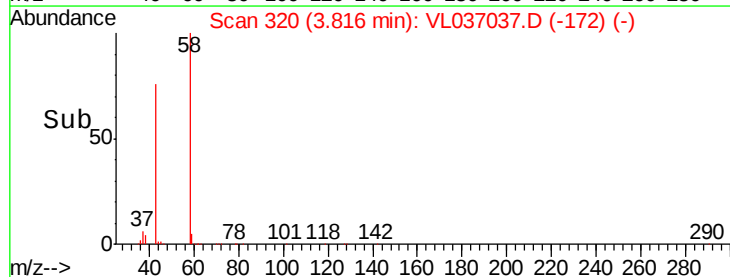
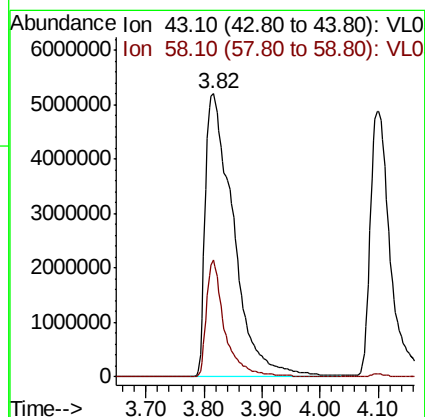
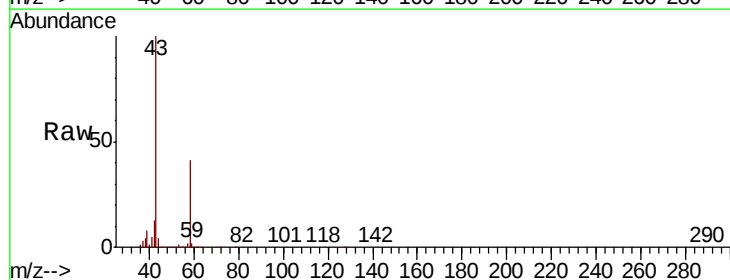
Acq: 20 May 2021 23:35

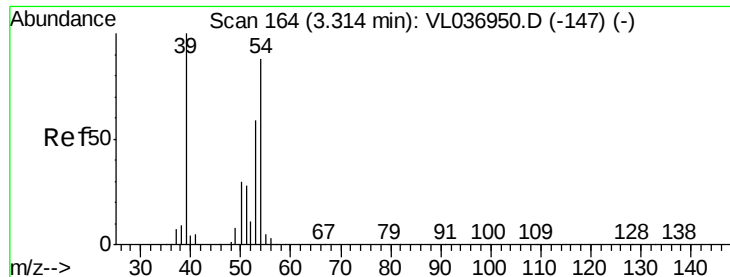
Tgt Ion: 43 Resp: 17474796

Ion Ratio Lower Upper

43 100

58 27.3 24.0 36.0





#16

1,3-Butadiene

Concen: 43.705 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.01 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

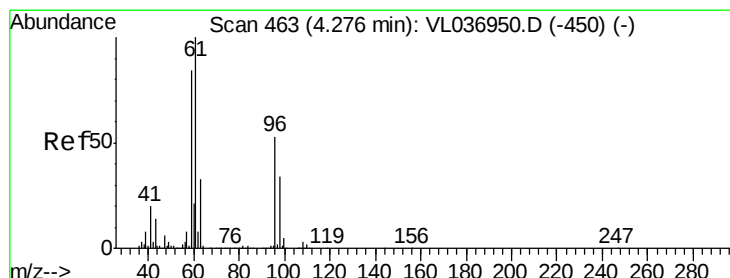
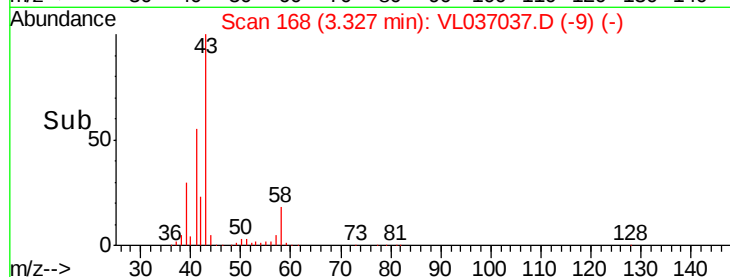
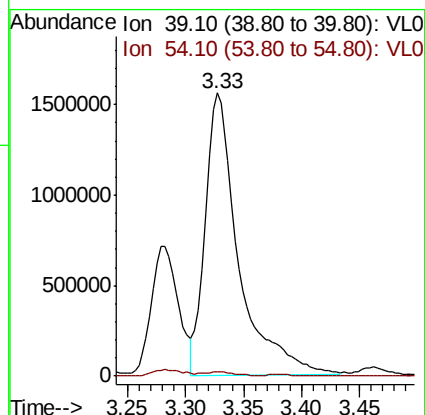
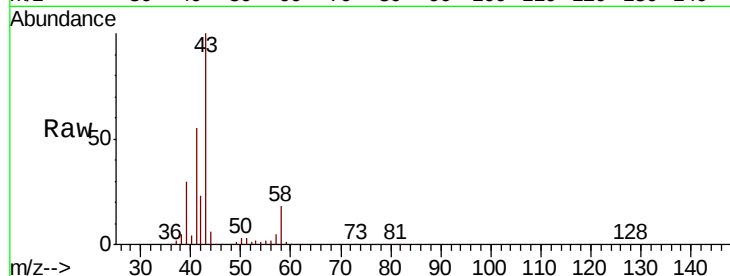
KSV-11

Tot Ion: 39 Resp: 3147655

Ion Ratio Lower Upper

39 100

54 1.4 63.2 94.8#



#17

tert-Butyl alcohol

Concen: 1.896 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.01 min

Lab File: VL037037.D

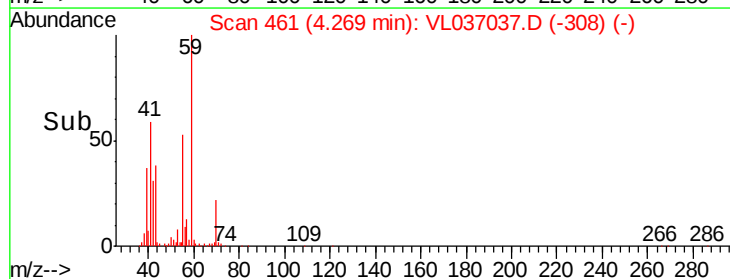
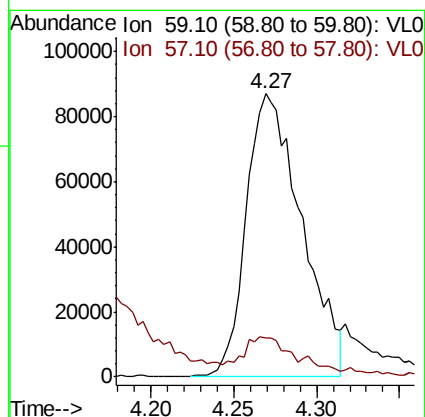
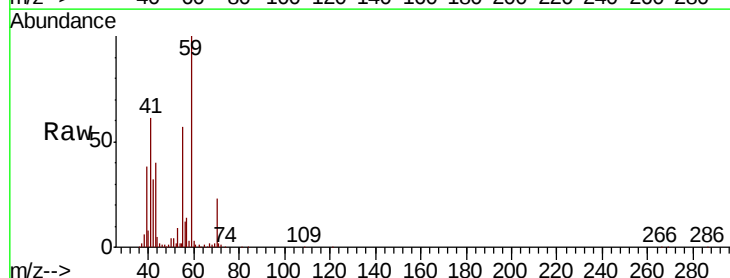
Acq: 20 May 2021 23:35

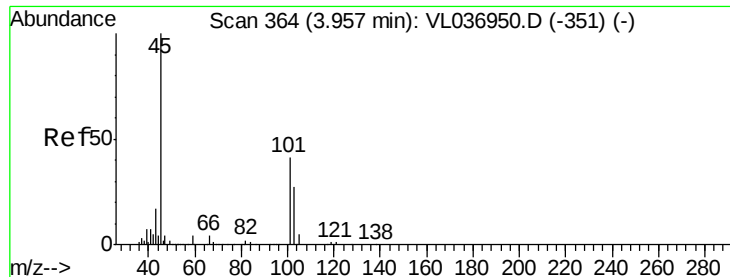
Tgt Ion: 59 Resp: 201301

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 3.842 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

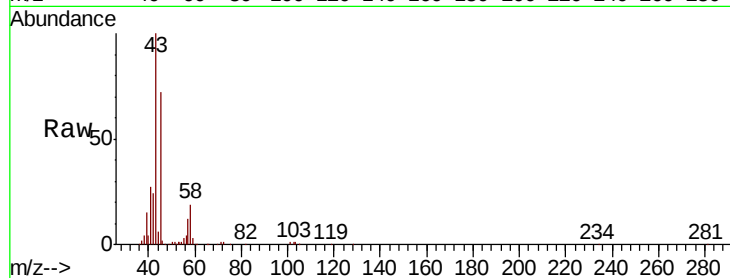
KSV-11

Tot Ion: 45 Resp: 239382

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

500000

400000

300000

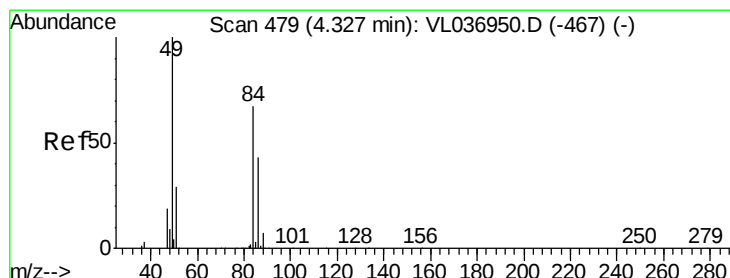
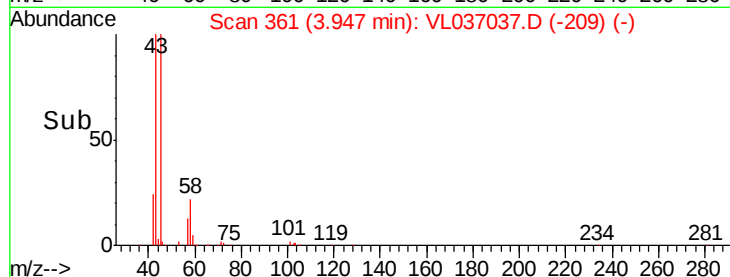
200000

100000

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 19.081 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Tgt Ion: 84 Resp: 1185660

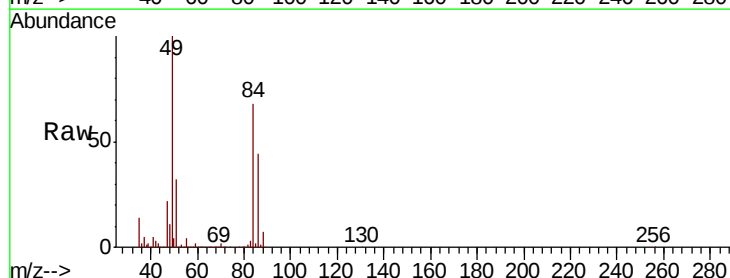
Ion Ratio Lower Upper

84 100

49 147.2 119.8 179.6

51 45.9 35.1 52.7

86 64.4 50.9 76.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

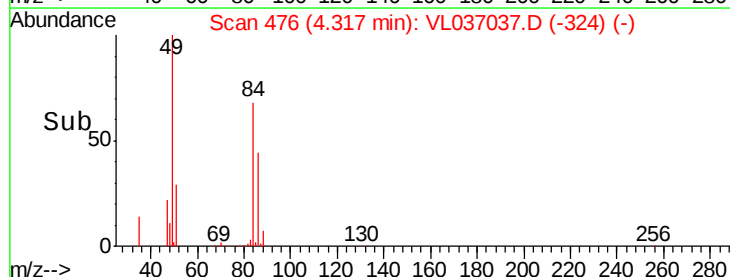
1000000

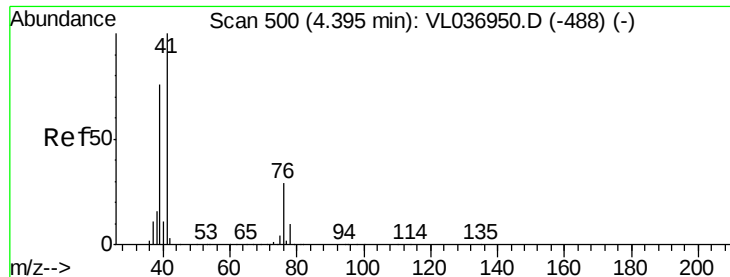
500000

0

4.25 4.30 4.35 4.40

Time-->





#21

Allvl Chloride

Concen: 2.600 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.06 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

KSV-11

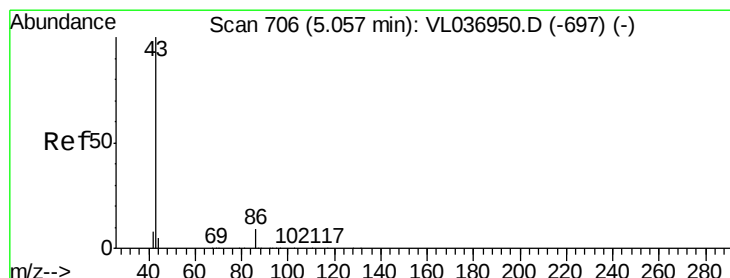
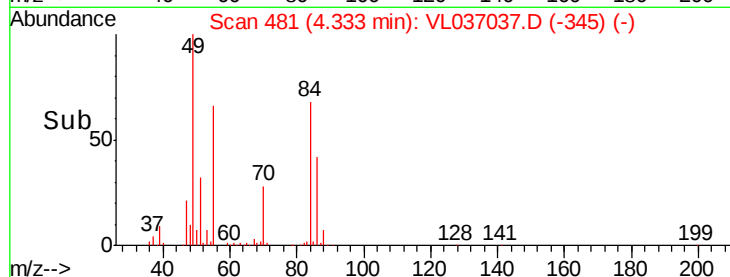
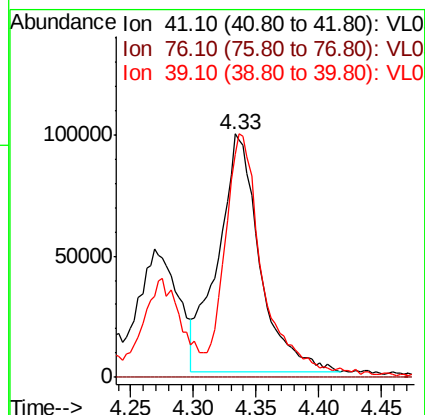
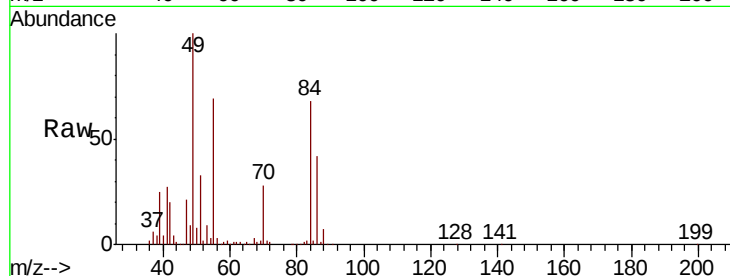
Tot Ion: 41 Resp: 227373

Ion Ratio Lower Upper

41 100

76 111.2 24.9 37.3#

39 89.9 63.7 95.5



#23

Vinyl Acetate

Concen: 4.551 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.03 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Tgt Ion: 43 Resp: 837278

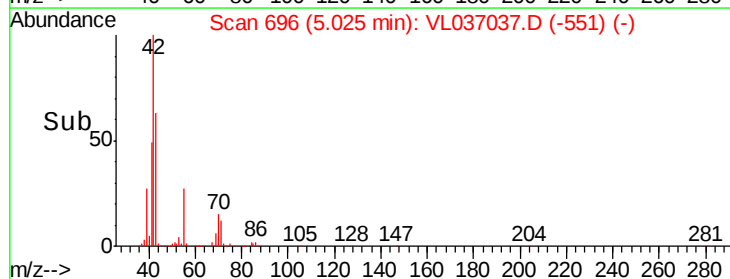
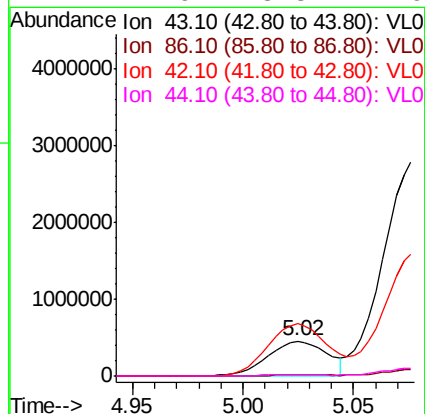
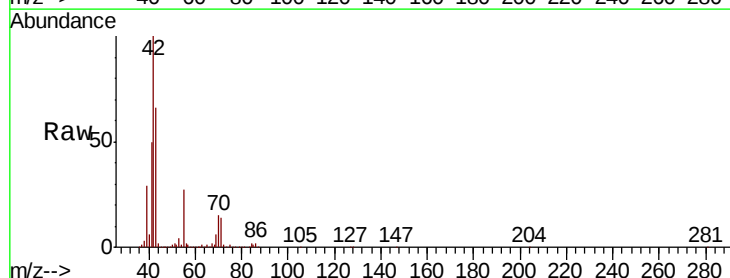
Ion Ratio Lower Upper

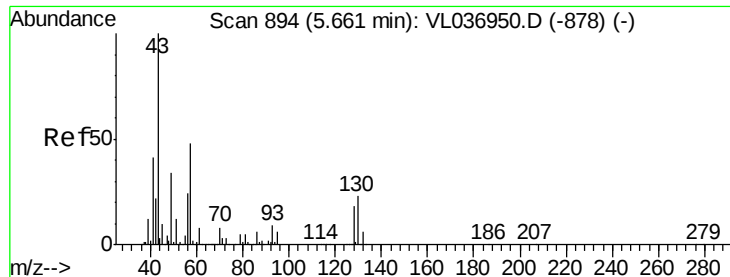
43 100

86 3.7 5.8 8.8#

42 152.5 7.4 11.2#

44 2.6 3.3 4.9#





#25

Ethyl Acetate

Concen: 25.513 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleID :

KSV-11

Tot Ion: 43 Resp: 7106876

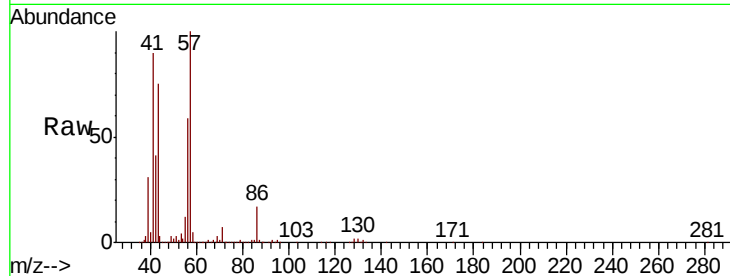
Ion Ratio Lower Upper

43 100

45 0.5 7.8 11.8#

61 0.5 7.8 11.8#

70 2.1 5.6 8.4#

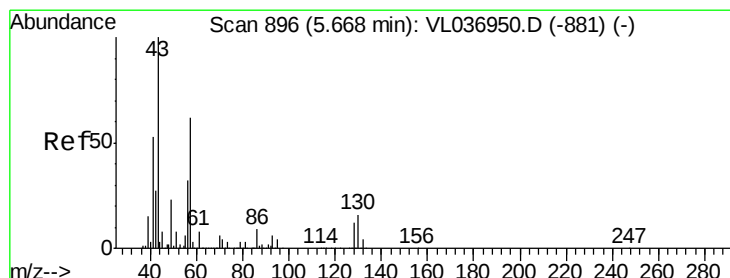
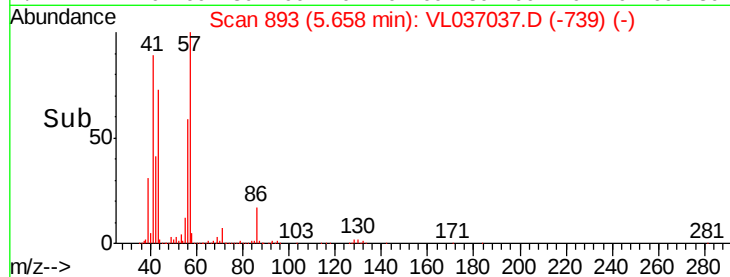
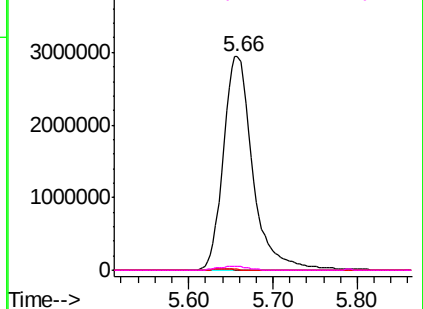


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 67.711 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Tgt Ion: 57 Resp: 9635368

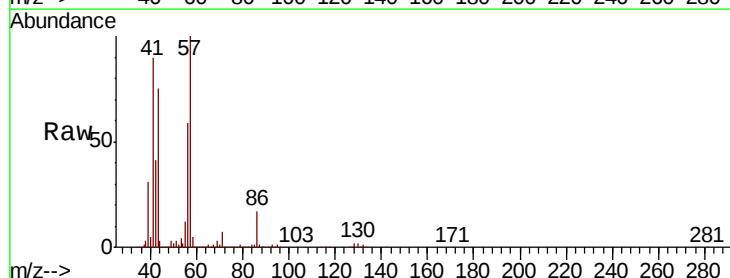
Ion Ratio Lower Upper

57 100

41 93.4 70.5 105.7

43 74.2 165.8 248.8#

56 58.5 42.2 63.4

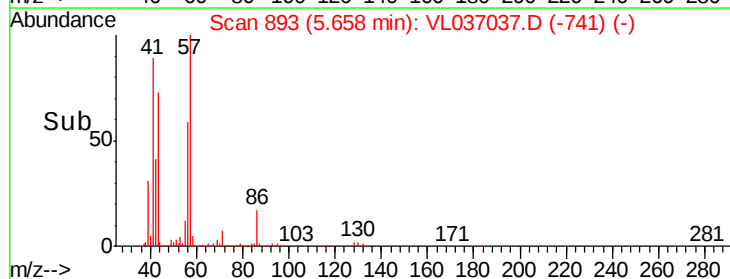
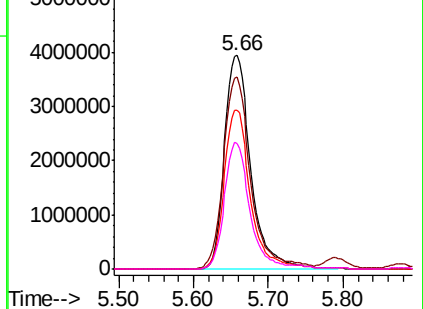


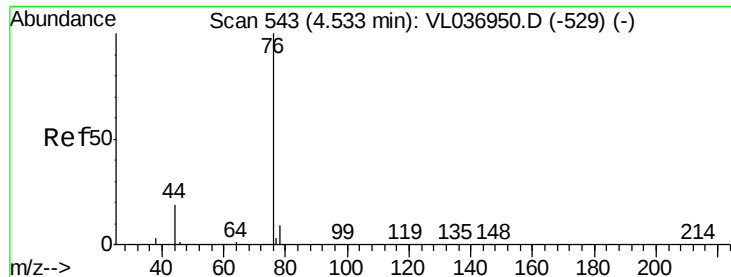
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

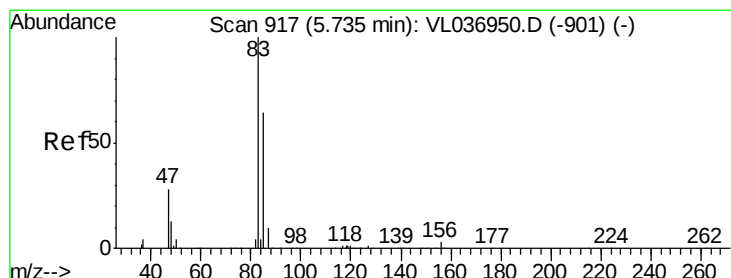
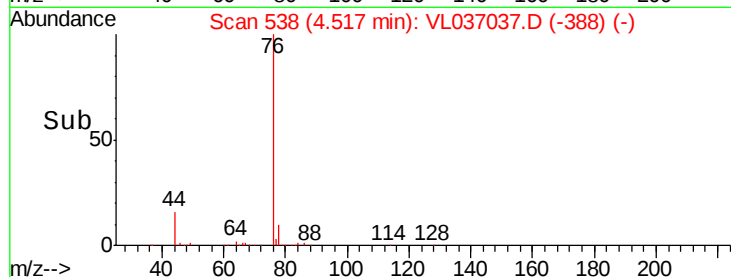
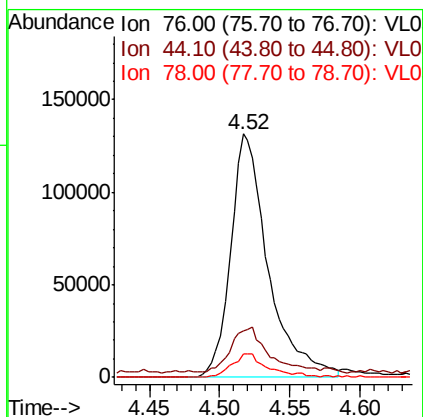
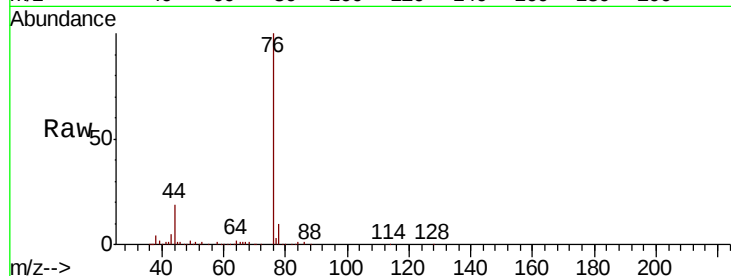




#27
Carbon Disulfide
Concen: 1.704 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

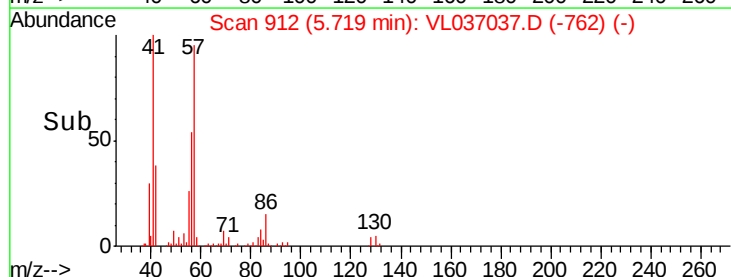
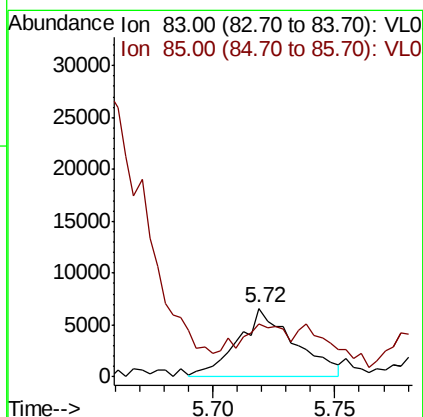
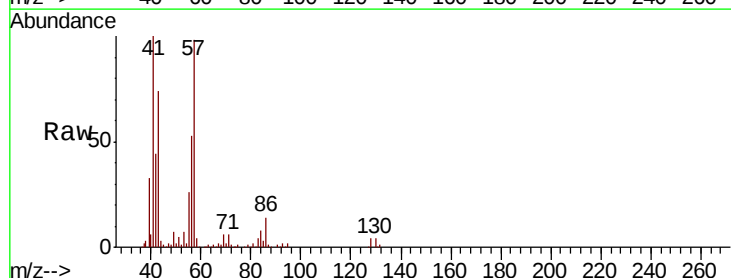
Instrument :
MSVOA_L
ClientSampleId :
KSV-11

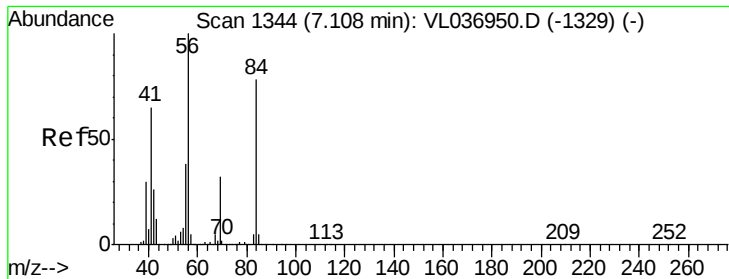
Tot Ion: 76 Resp: 244399
Ion Ratio Lower Upper
76 100
44 21.1 15.5 23.3
78 9.8 7.8 11.6



#29
Chloroform
Concen: 0.053 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

Tgt Ion: 83 Resp: 10648
Ion Ratio Lower Upper
83 100
85 38.9 51.1 76.7#

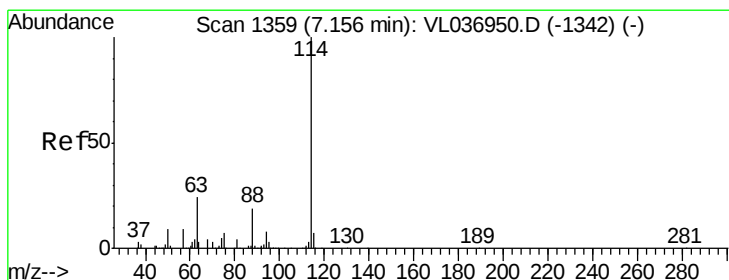
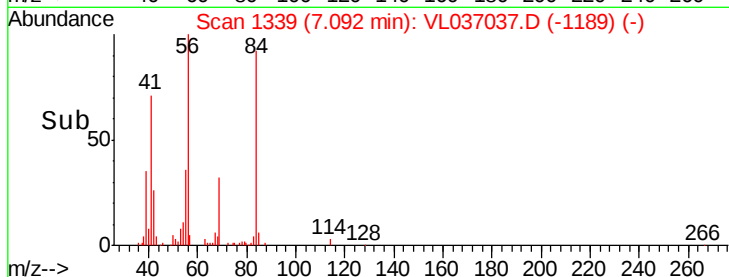
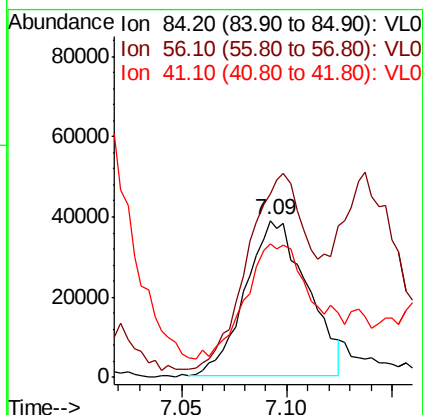
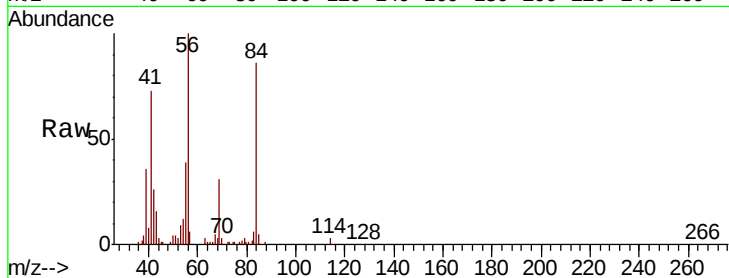




#30
Cvclohexane
Concen: 0.658 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

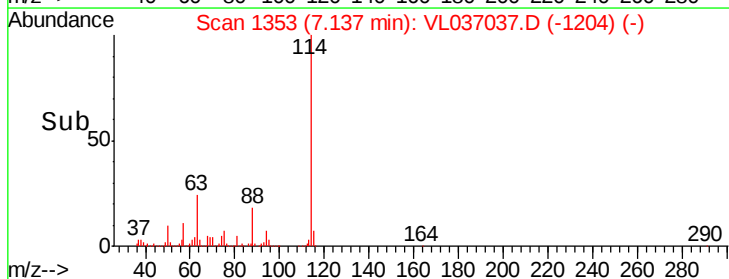
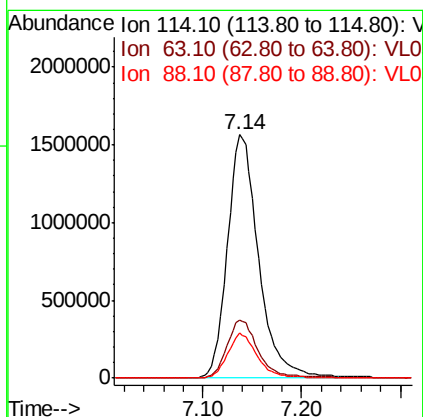
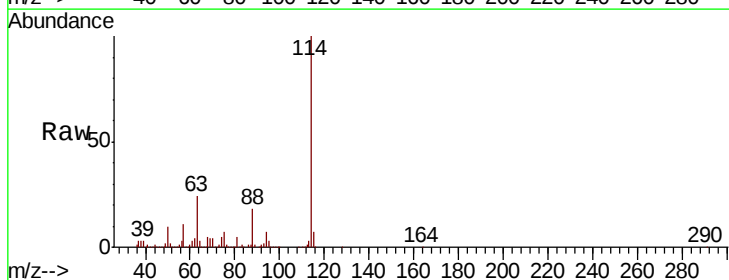
Instrument :
MSVOA_L
ClientSampleId :
KSV-11

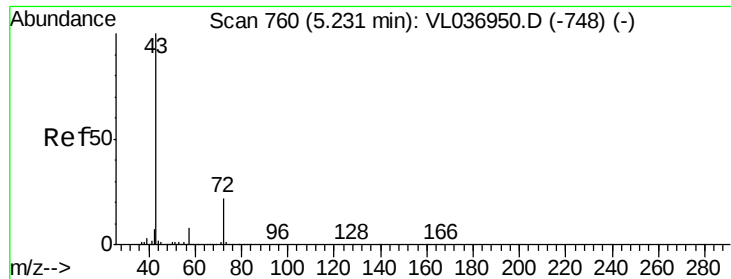
Tot Ion: 84 Resp: 79546
Ion Ratio Lower Upper
84 100
56 120.5 107.9 161.9
41 100.0 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

Tgt Ion:114 Resp: 3454600
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 17.6 14.6 21.8

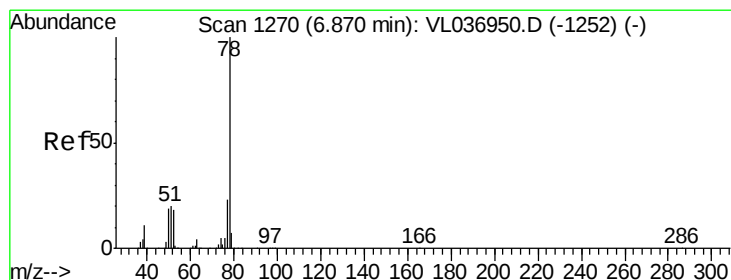
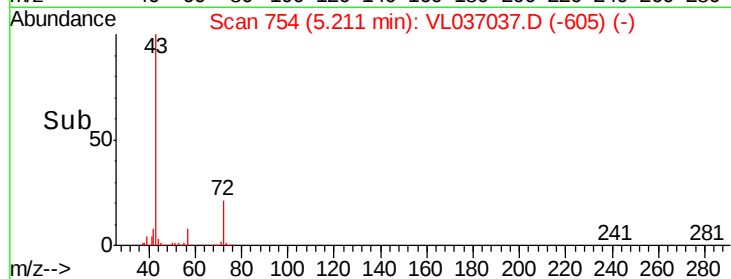
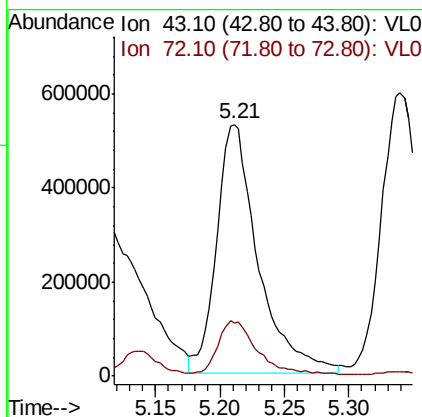
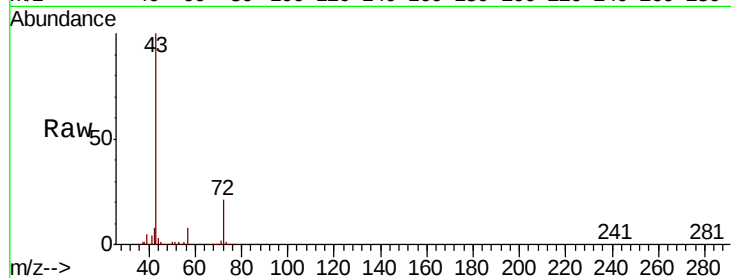




#34
 2-Butanone
 Concen: 9.435 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: VL037037.D
 Acq: 20 May 2021 23:35

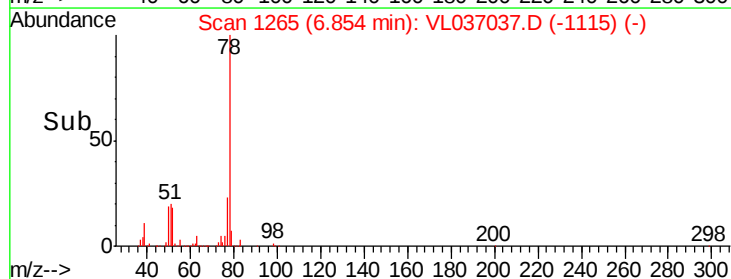
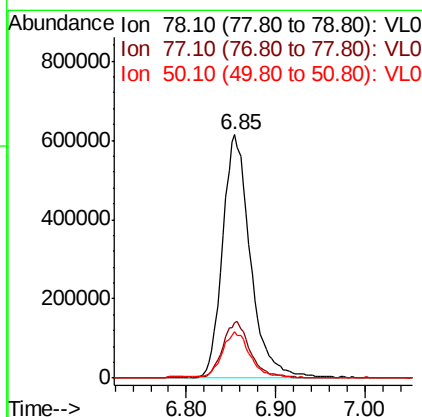
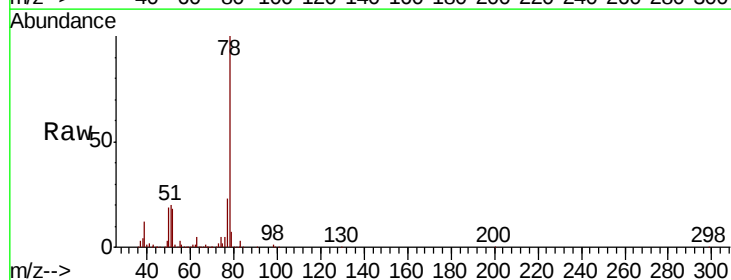
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11

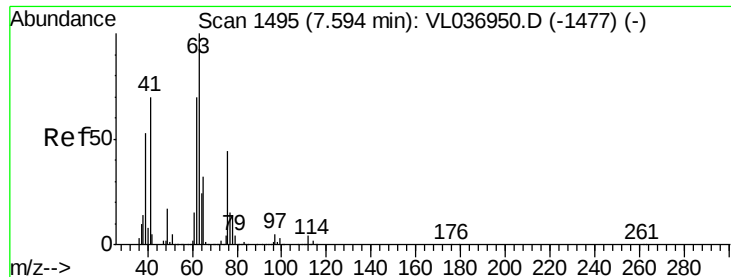
Tot Ion: 43 Resp: 1186807
 Ion Ratio Lower Upper
 43 100
 72 22.4 19.0 28.4



#36
 Benzene
 Concen: 4.457 ppbv
 RT: 6.85 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: VL037037.D
 Acq: 20 May 2021 23:35

Tgt Ion: 78 Resp: 1326128
 Ion Ratio Lower Upper
 78 100
 77 22.4 18.6 28.0
 50 19.1 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.104 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.46 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

KSV-11

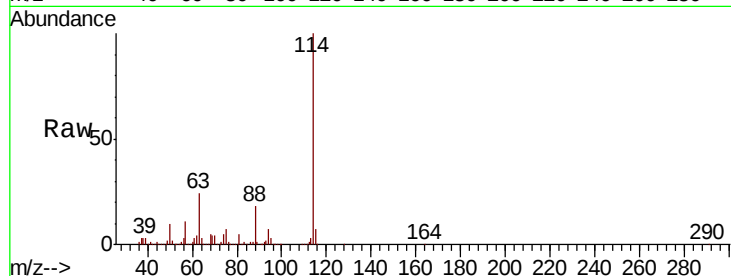
Tot Ion: 63 Resp: 814300

Ion Ratio Lower Upper

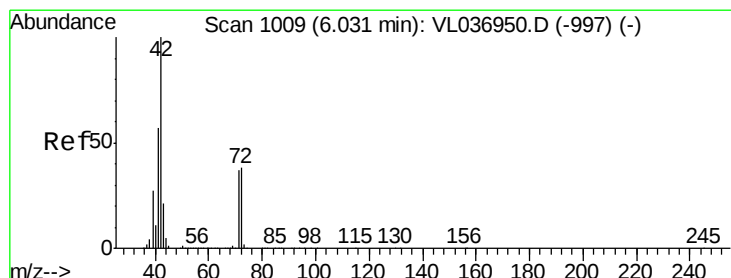
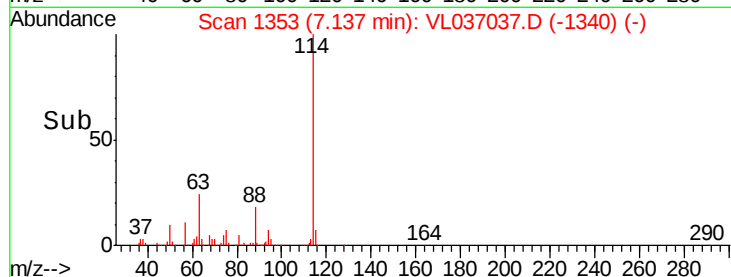
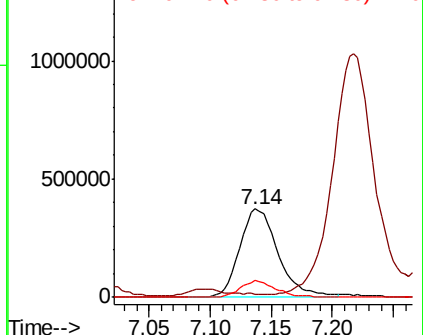
63 100

41 0.0 55.7 83.5#

62 18.6 56.2 84.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.481 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.29 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

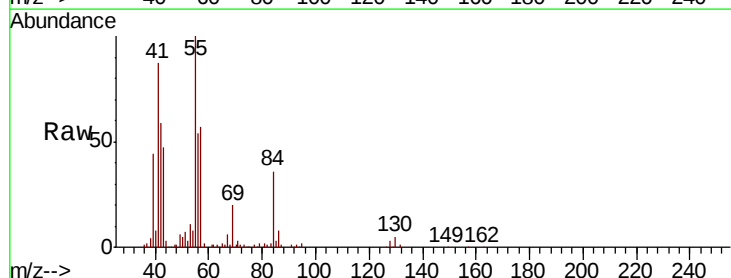
Tgt Ion: 42 Resp: 106088

Ion Ratio Lower Upper

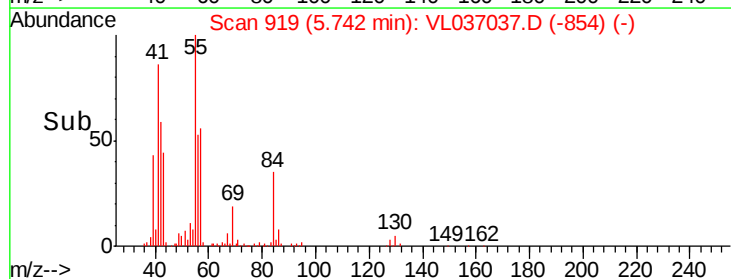
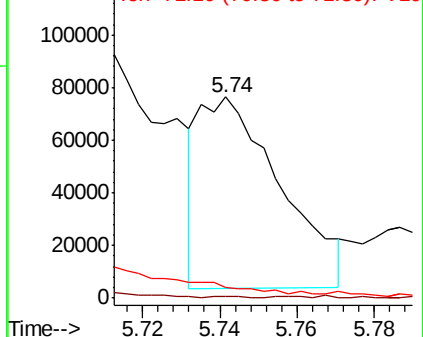
42 100

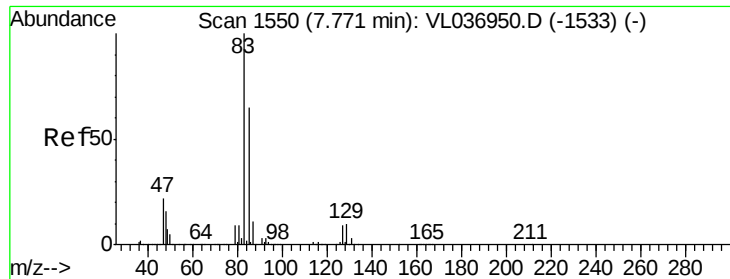
72 1.2 31.4 47.2#

71 0.0 30.4 45.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.431 ppbv

RT: 7.76 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampled :

KSV-11

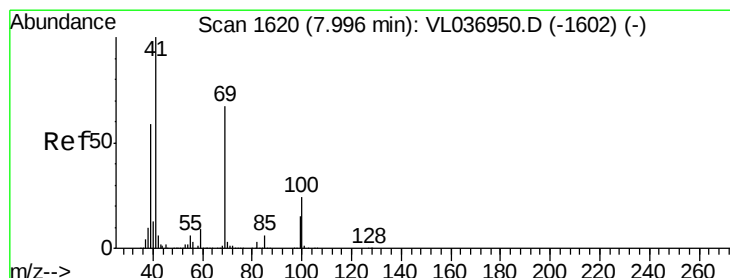
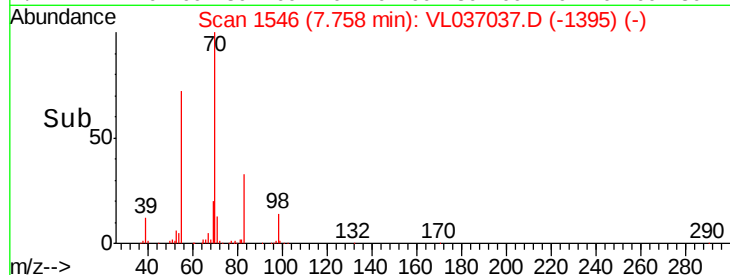
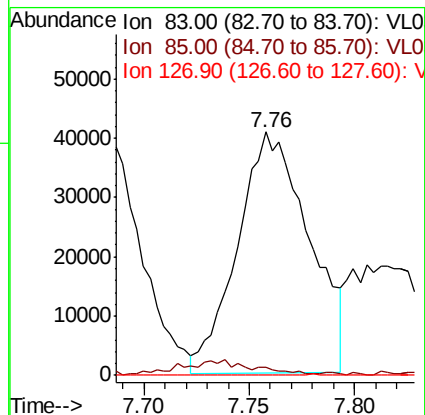
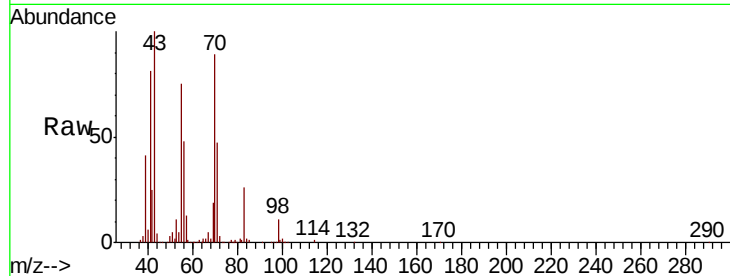
Tot Ion: 83 Resp: 96171

Ion Ratio Lower Upper

83 100

85 2.6 51.7 77.5#

127 0.0 6.9 10.3#



#43

Methyl Methacrylate

Concen: 0.776 ppbv

RT: 7.94 min Scan# 1604

Delta R.T. -0.05 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

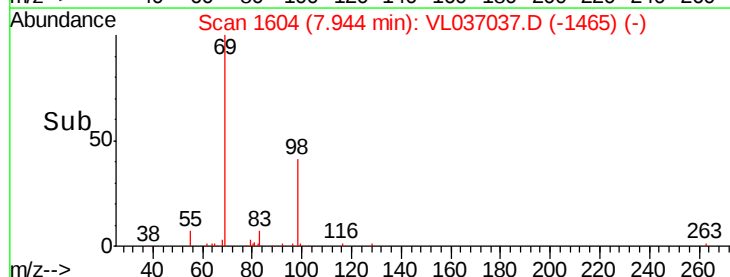
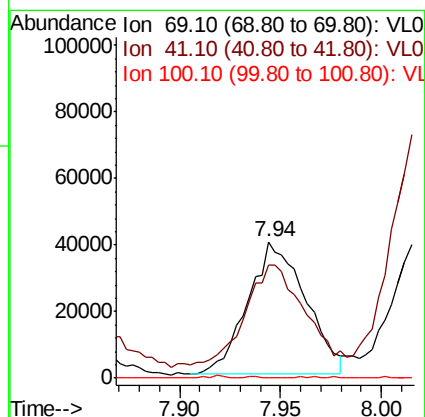
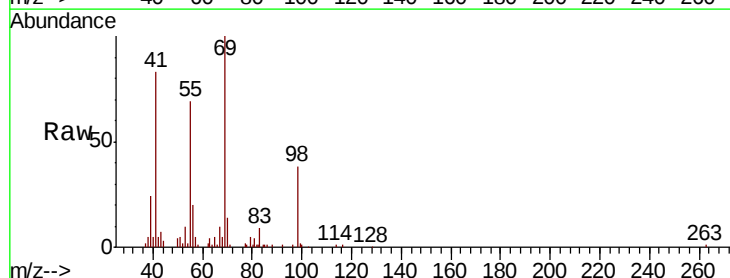
Tgt Ion: 69 Resp: 79633

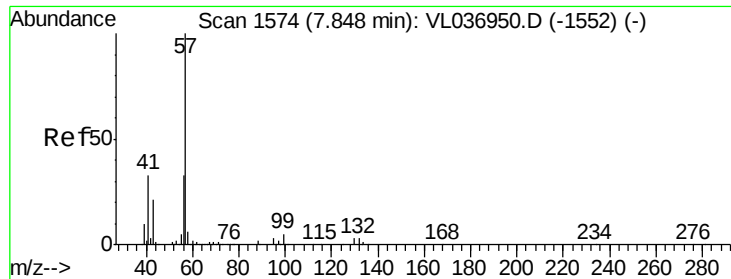
Ion Ratio Lower Upper

69 100

41 0.0 118.6 178.0#

100 0.0 28.2 42.4#

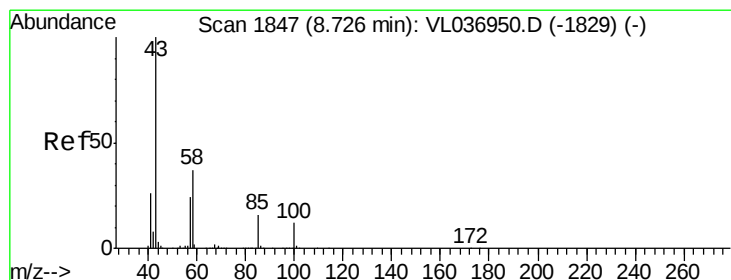
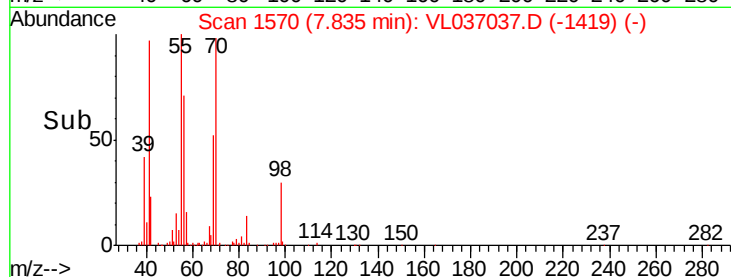
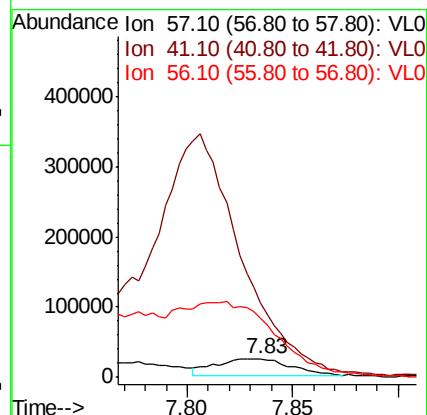
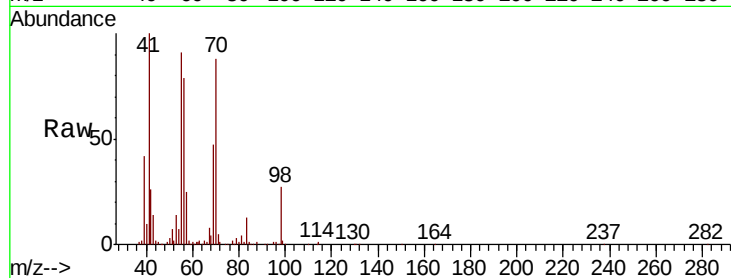




#44
 2,2,4-Trimethylpentane
 Concen: 0.111 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037037.D
 Acq: 20 May 2021 23:35

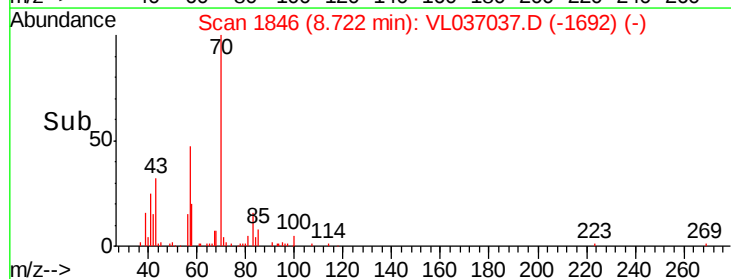
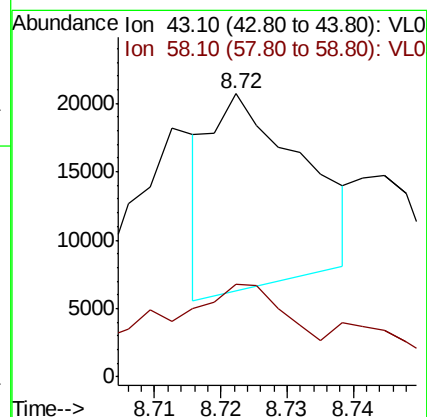
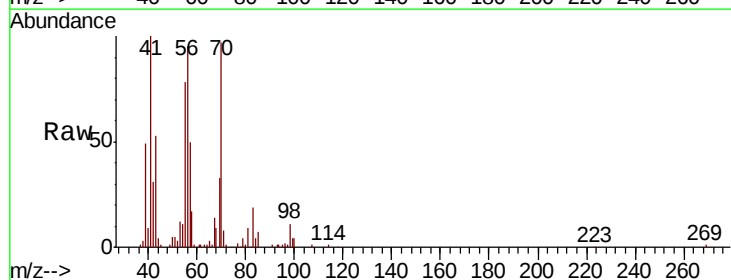
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11

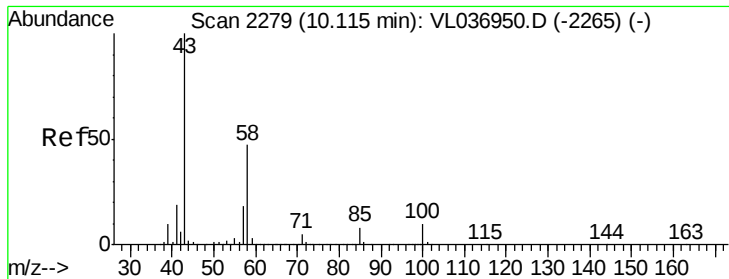
Tot Ion: 57 Resp: 56593
 Ion Ratio Lower Upper
 57 100
 41 1808.7 27.0 40.4#
 56 1065.9 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.066 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VL037037.D
 Acq: 20 May 2021 23:35

Tgt Ion: 43 Resp: 13710
 Ion Ratio Lower Upper
 43 100
 58 125.4 29.4 44.2#





#51

2-Hexanone

Concen: 15.874 ppbv

RT: 10.07 min Scan# 2265

Delta R.T. -0.05 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

KSV-11

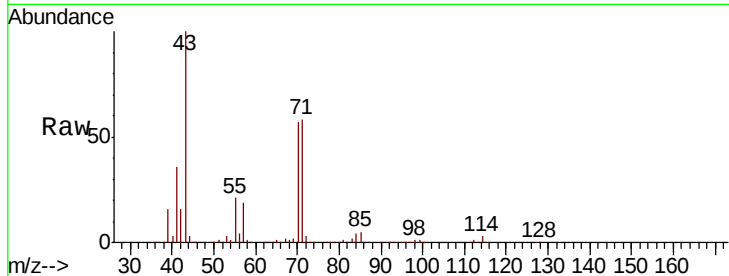
Tot Ion: 43 Resp: 1741932

Ion Ratio Lower Upper

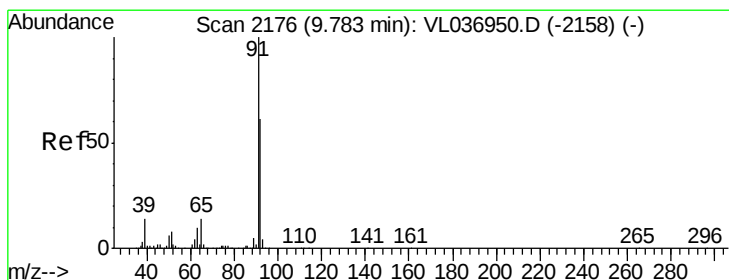
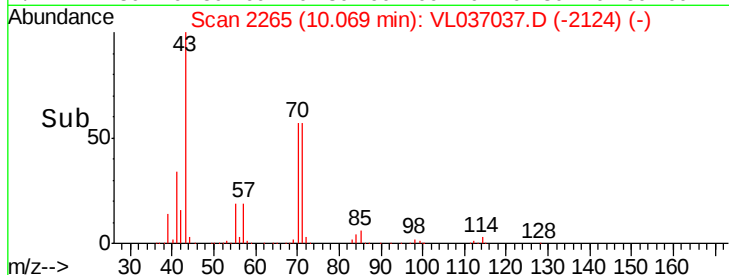
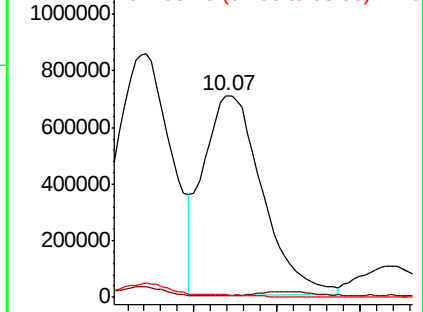
43 100

58 3.3 41.1 61.7#

98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#53

Toluene

Concen: 1.589 ppbv

RT: 9.76 min Scan# 2169

Delta R.T. -0.02 min

Lab File: VL037037.D

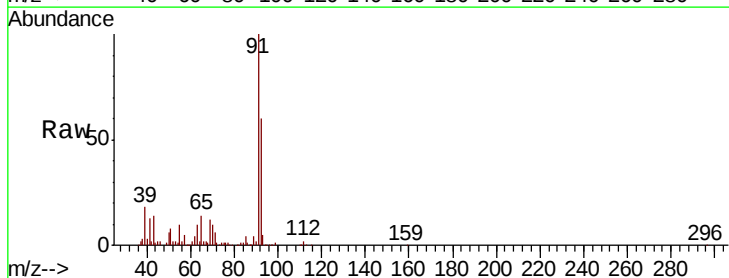
Acq: 20 May 2021 23:35

Tgt Ion: 91 Resp: 562464

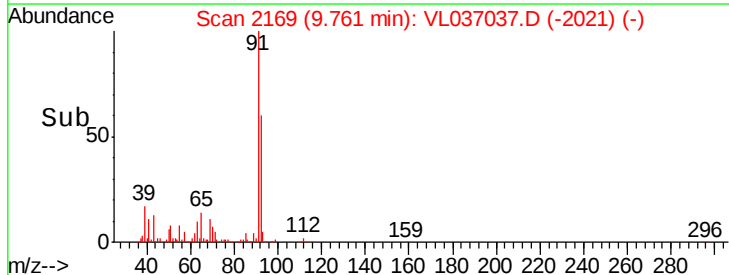
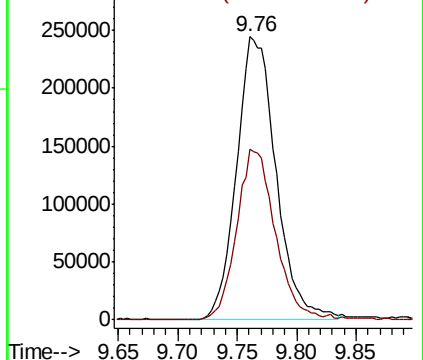
Ion Ratio Lower Upper

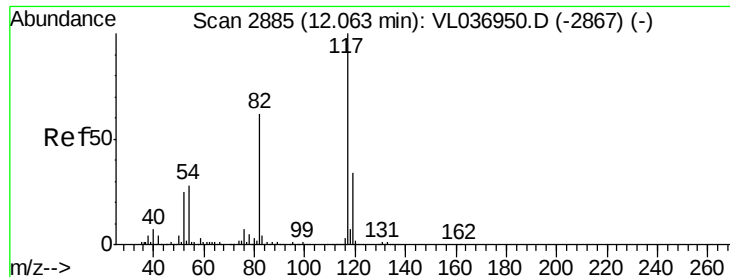
91 100

92 59.8 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

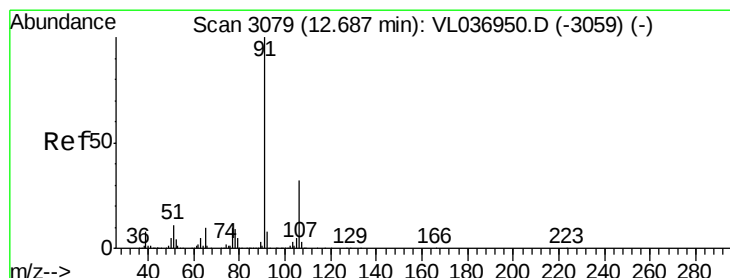
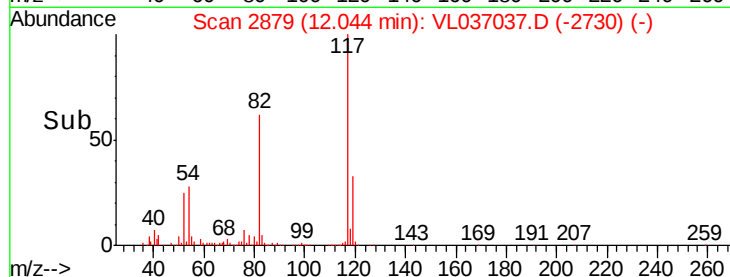
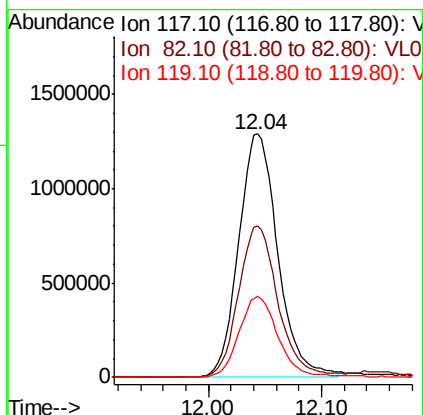
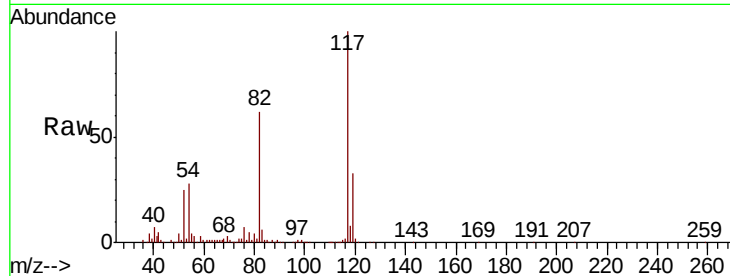




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2879
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

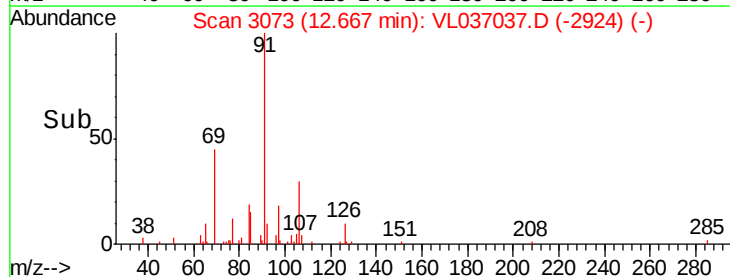
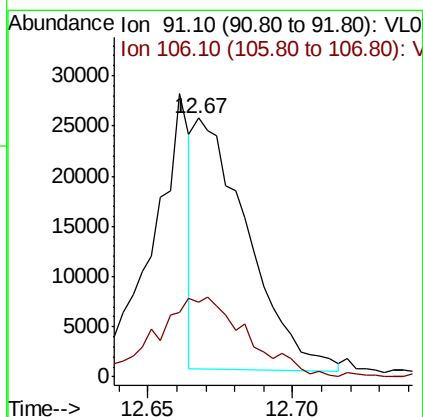
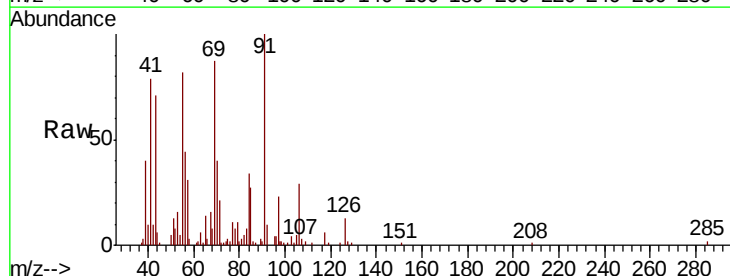
Instrument :
MSVOA_L
ClientSampleId :
KSV-11

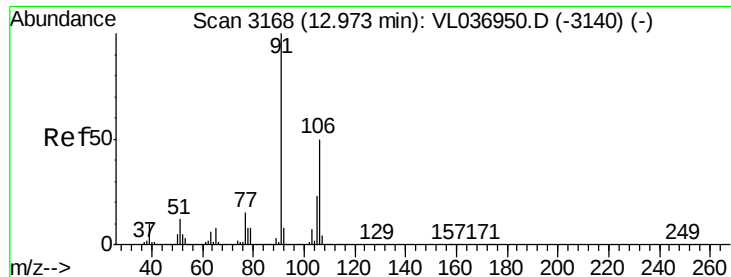
Tot Ion:117 Resp: 3108681
Ion Ratio Lower Upper
117 100
82 63.1 52.6 79.0
119 34.0 46.6 70.0#



#58
Ethyl Benzene
Concen: 0.072 ppbv
RT: 12.67 min Scan# 3073
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

Tgt Ion: 91 Resp: 31709
Ion Ratio Lower Upper
91 100
106 30.4 25.6 38.4

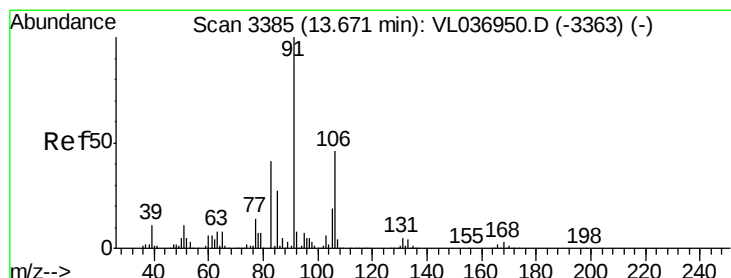
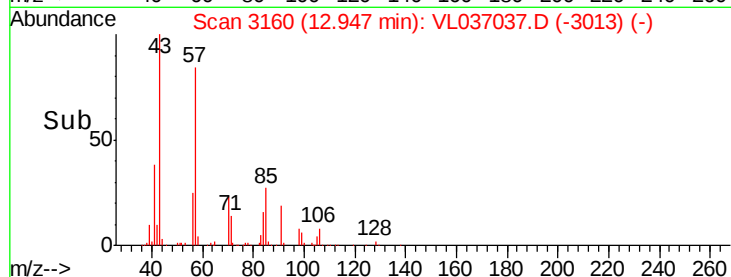
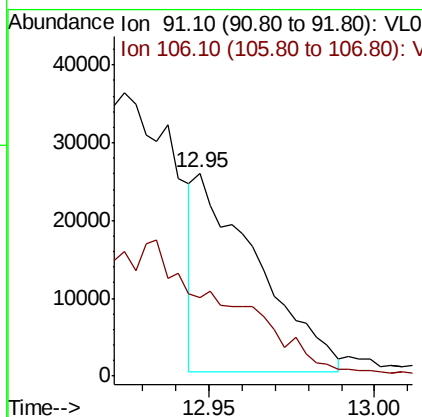
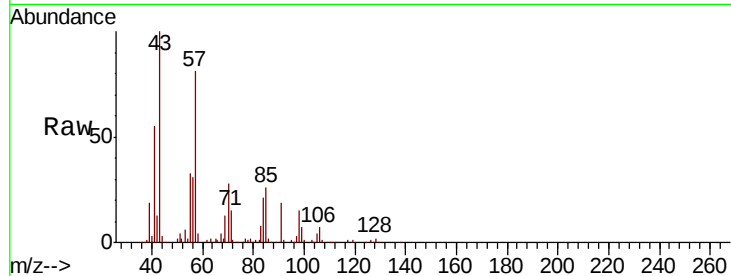




#59
m/p-Xylene
Concen: 0.091 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

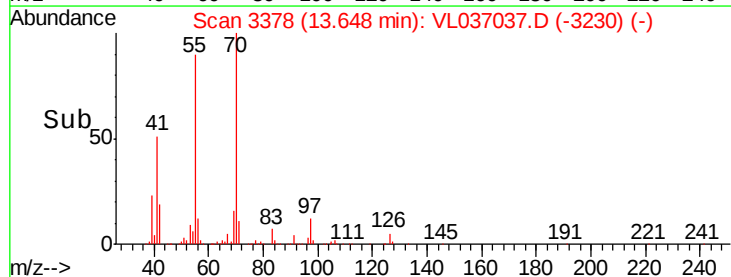
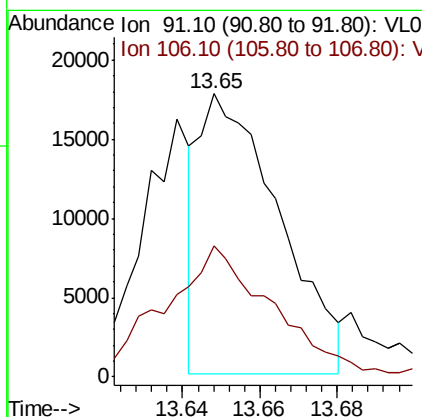
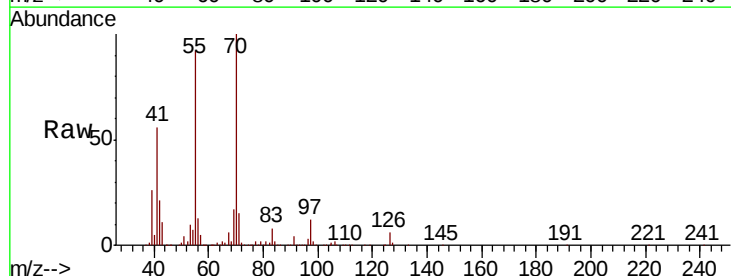
Instrument :
MSVOA_L
ClientSampled :
KSV-11

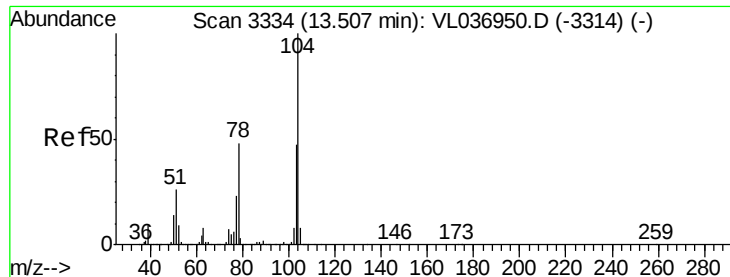
Tot Ion: 91 Resp: 33135
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#



#60
o-Xylene
Concen: 0.073 ppbv
RT: 13.65 min Scan# 3378
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

Tgt Ion: 91 Resp: 25152
Ion Ratio Lower Upper
91 100
106 69.3 23.4 70.3





#61

Stvrene

Concen: 0.060 ppbv

RT: 13.48 min Scan# 3326

Delta R.T. -0.03 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

KSV-11

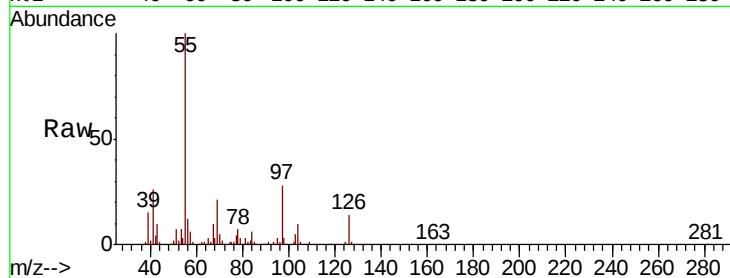
Tot Ion:104 Resp: 11772

Ion Ratio Lower Upper

104 100

78 137.6 39.0 58.6#

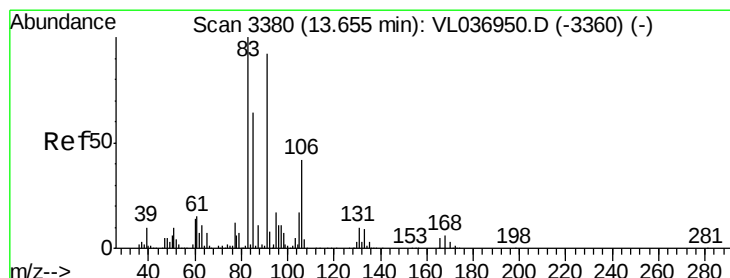
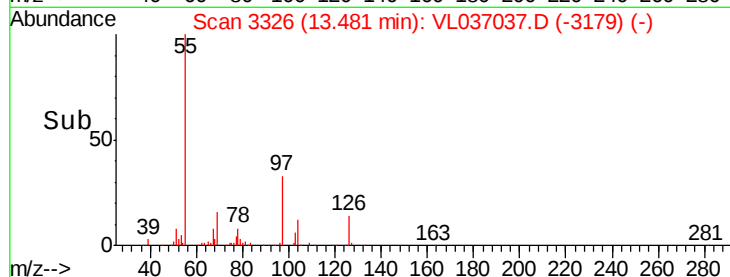
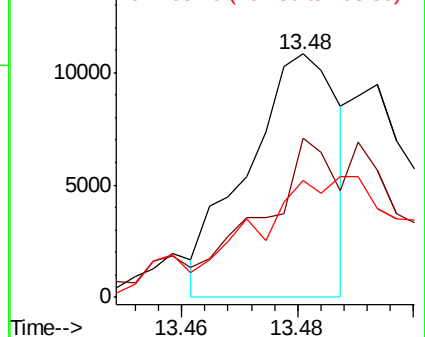
103 0.0 38.0 57.0#



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: 0.090 ppbv

RT: 13.64 min Scan# 3375

Delta R.T. -0.02 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

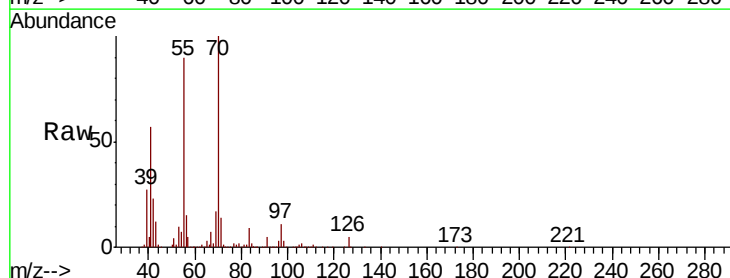
Tgt Ion: 83 Resp: 23353

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

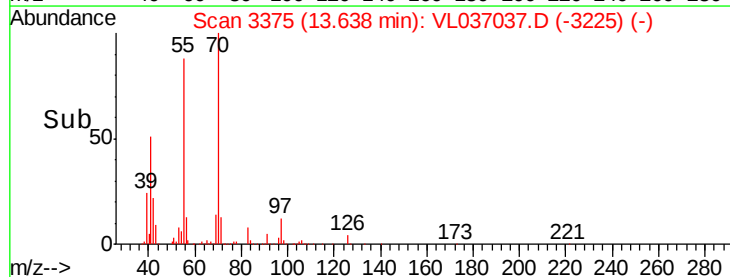
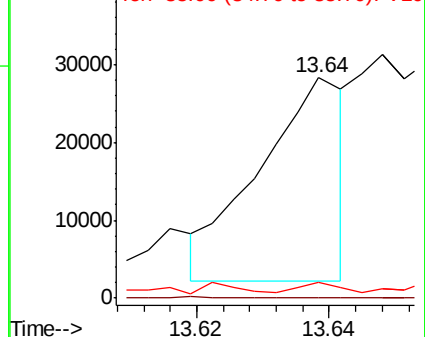
85 0.0 32.9 98.6#

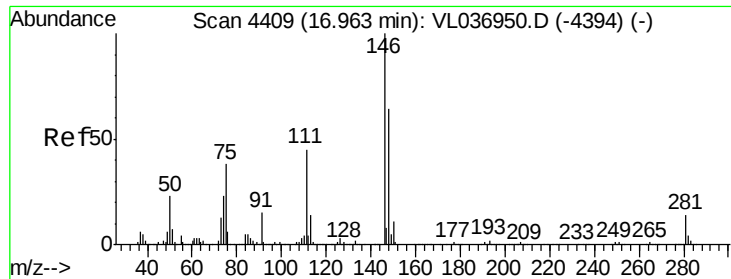


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

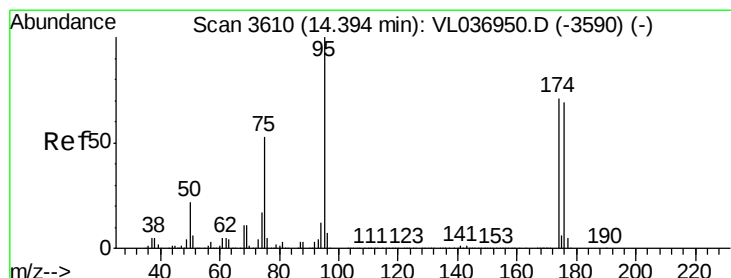
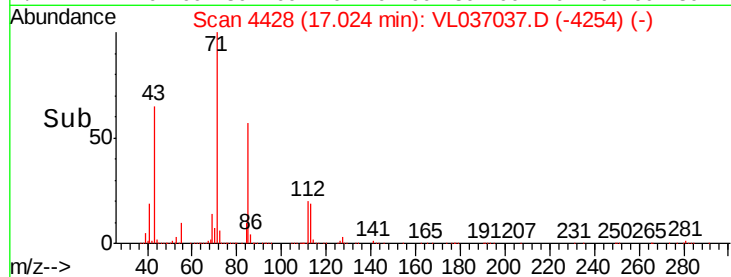
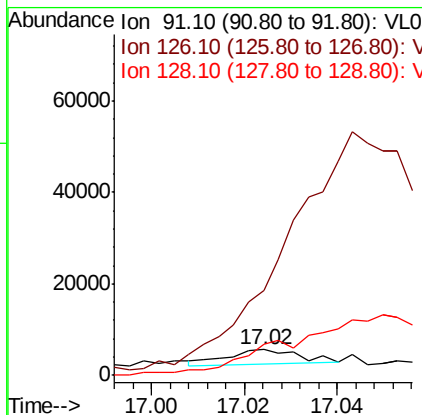
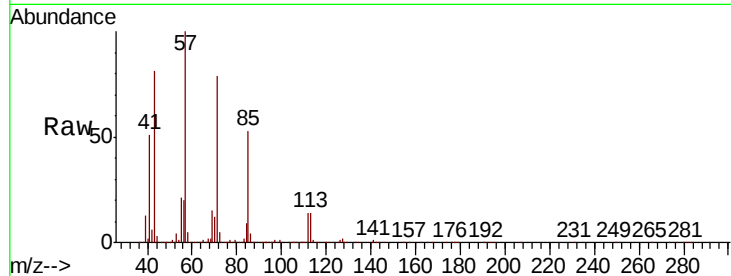




#66
Benzvl Chloride
Concen: 0.138 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. 0.06 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

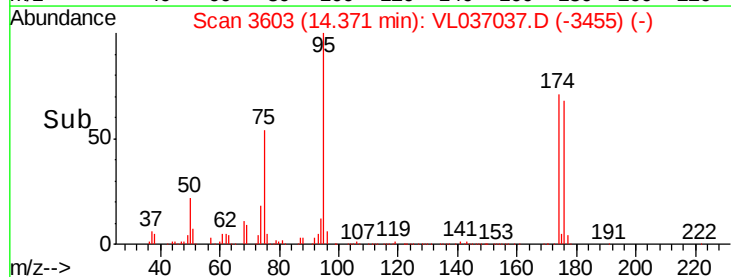
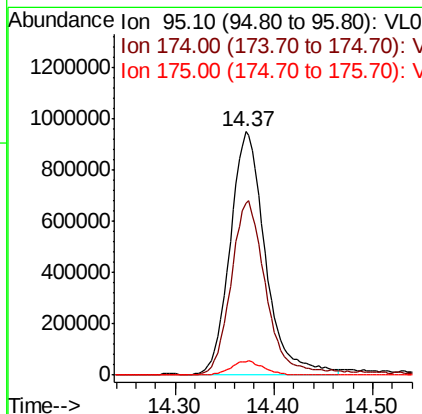
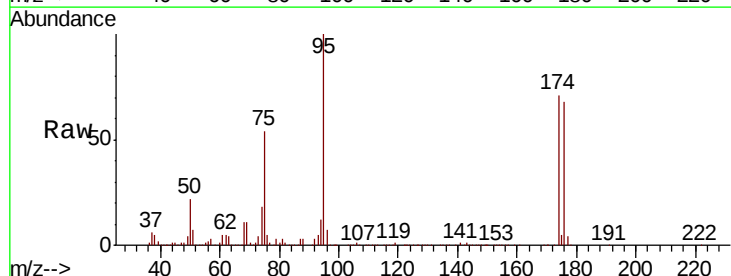
Instrument :
MSVOA_L
ClientSampleId :
KSV-11

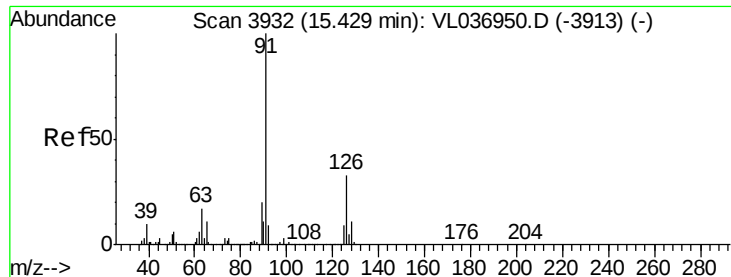
Tot Ion: 91 Resp: 3432
Ion Ratio Lower Upper
91 100
126 3790.5 16.5 24.7#
128 979.6 5.5 8.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.048 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.02 min
Lab File: VL037037.D
Acq: 20 May 2021 23:35

Tgt Ion: 95 Resp: 2346598
Ion Ratio Lower Upper
95 100
174 74.0 58.4 87.6
175 5.4 4.4 6.6

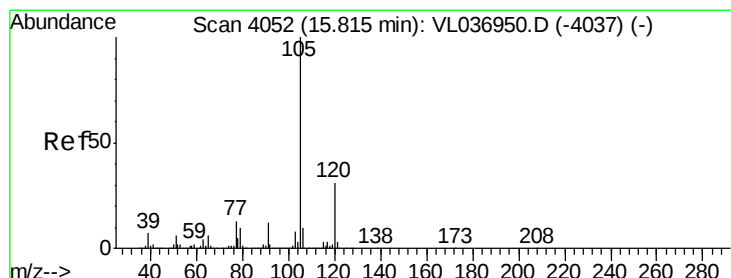
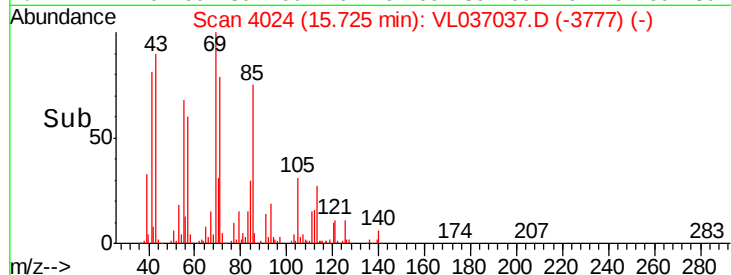
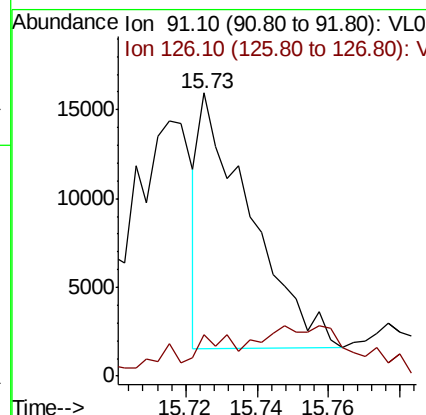
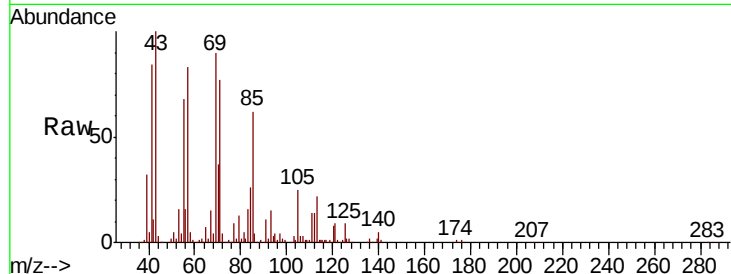




#71
 2-Chlorotoluene
 Concen: 0.039 ppbv
 RT: 15.73 min Scan# 4024
 Delta R.T. 0.30 min
 Lab File: VL037037.D
 Acq: 20 May 2021 23:35

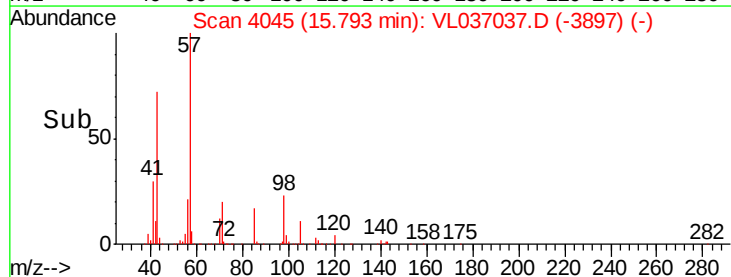
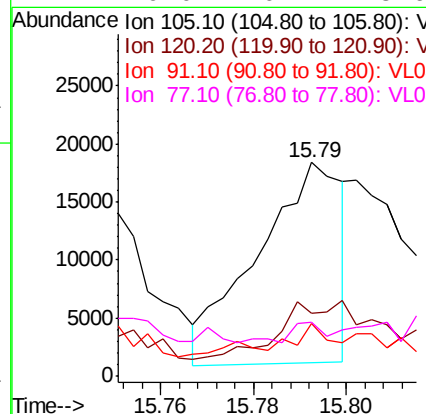
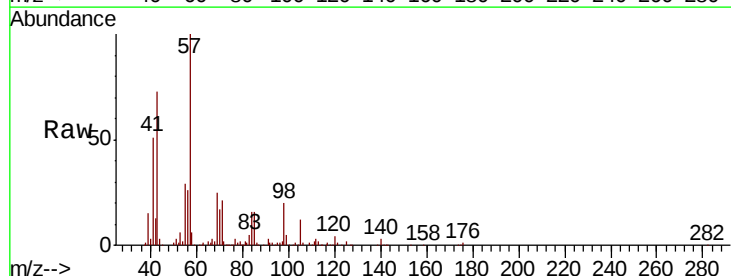
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11

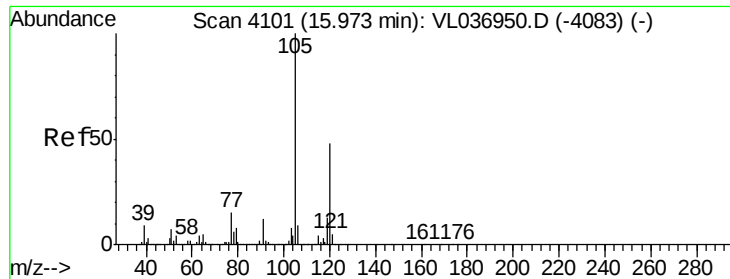
Tot Ion: 91 Resp: 14165
 Ion Ratio Lower Upper
 91 100
 126 21.9 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 0.053 ppbv
 RT: 15.79 min Scan# 4045
 Delta R.T. -0.02 min
 Lab File: VL037037.D
 Acq: 20 May 2021 23:35

Tgt Ion:105 Resp: 21942
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.6 37.0#
 91 33.7 9.8 14.6#
 77 0.0 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.051 ppbv

RT: 15.95 min Scan# 4093

Delta R.T. -0.03 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

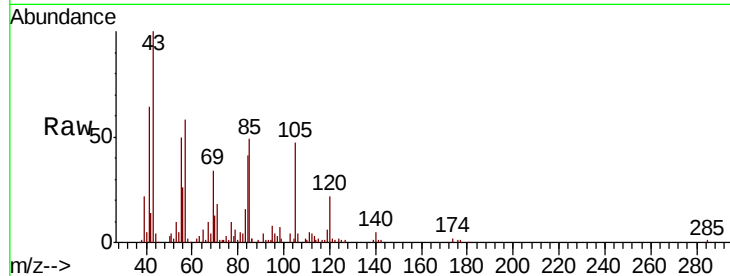
KSV-11

Tot Ion:105 Resp: 19816

Ion Ratio Lower Upper

105 100

120 49.6 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

20000

15000

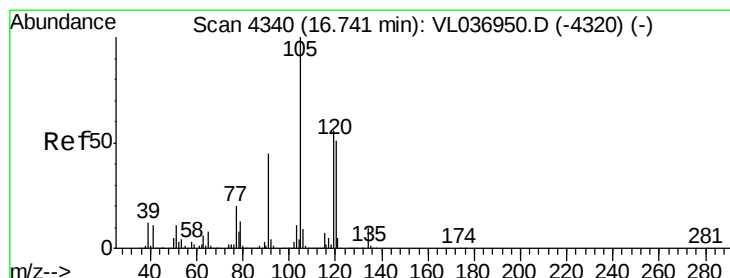
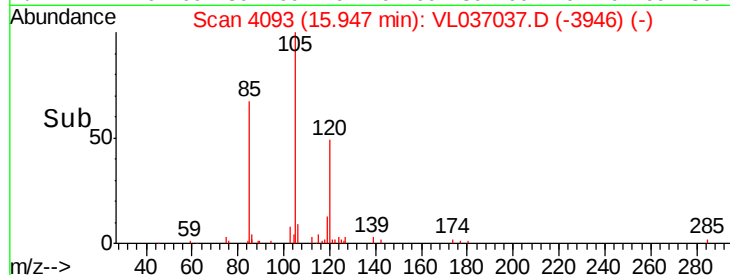
10000

5000

0

15.90 15.92 15.94 15.96

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.371 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.02 min

Lab File: VL037037.D

Acq: 20 May 2021 23:35

Tgt Ion:105 Resp: 147828

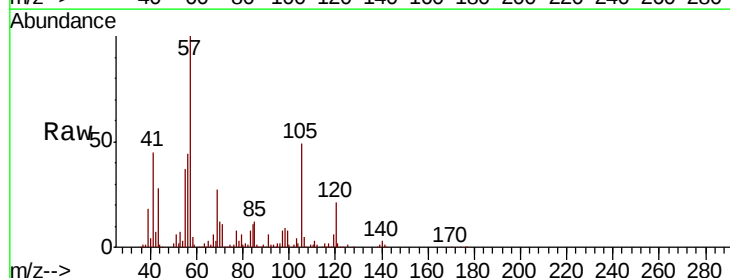
Ion Ratio Lower Upper

105 100

120 43.5 40.6 61.0

91 9.8 37.4 56.0#

77 14.2 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

100000

80000

60000

40000

20000

0

16.65 16.70 16.75 16.80

Time-->

