

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037038.D
 Acq On : 21 May 2021 00:11
 Operator : SY/AP
 Sample : M2424-08DUP 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11DUP

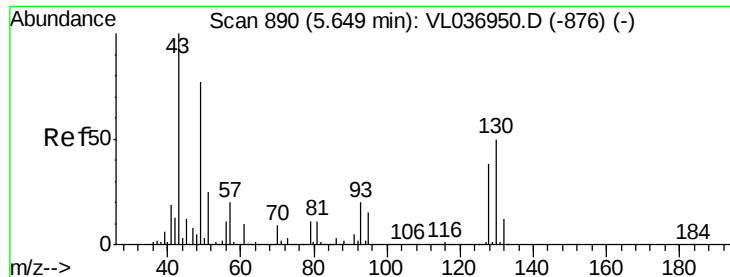
Quant Time: May 21 01:20:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1094791	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3401708	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3050128	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.37	95	2257169	9.85	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	15996	0.086	ppbv	91
3) Chlorodifluoromethane	2.97	51	20487	0.102	ppbv	93
4) Chloromethane	3.11	50	14123	0.207	ppbv	98
9) Propene	3.18	41	2432055	33.863	ppbv	93
10) Heptane	8.09	43	6229486	34.804	ppbv	98
11) Trichlorofluoromethane	3.92	101	10003	0.058	ppbv	91
13) Ethanol	3.58	45	328453	34.276	ppbv	98
15) Acetone	3.82	43	17008743	151.679	ppbv	96
16) 1,3-Butadiene	3.33	39	3117099	44.742	ppbv #	12
17) tert-Butyl alcohol	4.27	59	212129	2.065	ppbv #	72
19) Isopropyl Alcohol	3.94	45	234380	3.888	ppbv #	30
20) Methylene Chloride	4.31	84	1175289	19.553	ppbv	99
21) Allyl Chloride	4.33	41	202174	2.390	ppbv #	36
23) Vinyl Acetate	5.02	43	834478	4.688	ppbv #	1
25) Ethyl Acetate	5.66	43	7051694	26.170	ppbv #	78
26) Hexane	5.66	57	9547617	69.359	ppbv #	46
27) Carbon Disulfide	4.52	76	236365	1.704	ppbv #	92
30) Cyclohexane	7.09	84	43005	0.368	ppbv #	1
34) 2-Butanone	5.21	43	1171960	9.462	ppbv	97
36) Benzene	6.85	78	1307641	4.463	ppbv	99
39) 1,2-Dichloropropane	7.21	63	17392	0.154	ppbv #	1
41) Tetrahydrofuran	5.74	42	81935	1.161	ppbv #	38
42) Bromodichloromethane	7.76	83	86918	0.395	ppbv #	28
43) Methyl Methacrylate	7.95	69	82931	0.821	ppbv #	1
44) 2,2,4-Trimethylpentane	7.83	57	33356	0.066	ppbv #	1
50) 4-Methyl-2-Pentanone	8.72	43	25519	0.125	ppbv #	62
51) 2-Hexanone	10.07	43	1706430	15.792	ppbv #	32
53) Toluene	9.77	91	551575	1.582	ppbv	98
57) Chlorobenzene	12.07	112	34554	0.146	ppbv #	52
58) Ethyl Benzene	12.67	91	58011	0.135	ppbv	96
59) m/p-Xylene	12.96	91	20541	0.058	ppbv #	30
60) o-Xylene	13.64	91	16523	0.049	ppbv #	30
61) Styrene	13.48	104	14934	0.078	ppbv #	47
63) 1,1,2,2-Tetrachloroethane	13.65	83	72026	0.284	ppbv #	25
66) Benzyl Chloride	16.73	91	5922	0.243	ppbv #	62
73) 1,3,5-Trimethylbenzene	15.95	105	46155	0.122	ppbv	93
74) 1,2,4-Trimethylbenzene	16.72	105	154547	0.395	ppbv #	68

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

Lab File: VL037038.D

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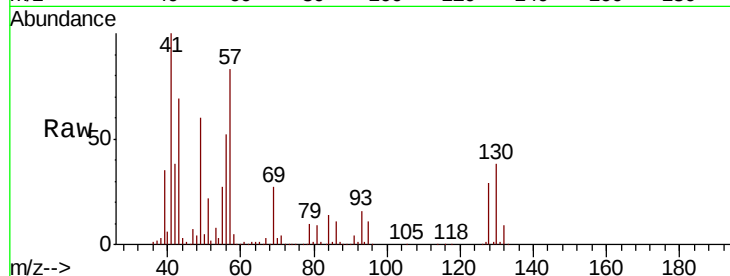
Tot Ion: 49 Resp: 1094791

Ion Ratio Lower Upper

49 100

128 51.1 26.9 80.7

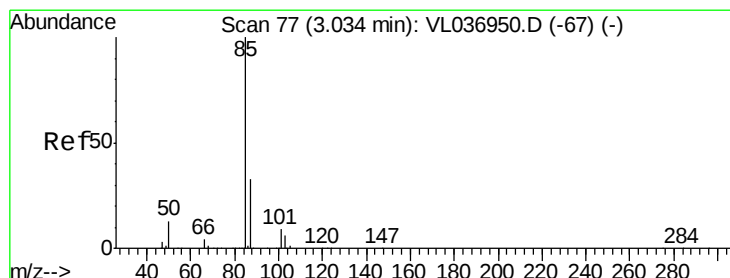
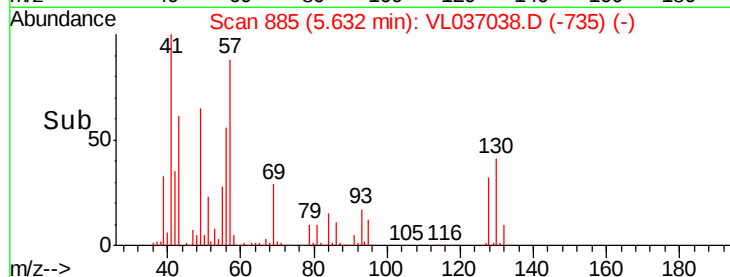
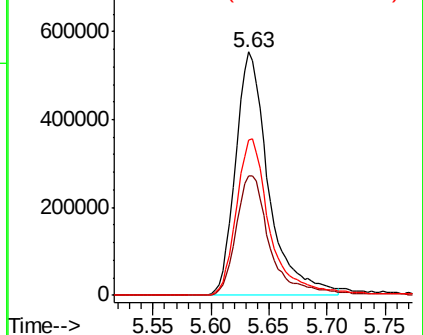
130 66.9 33.8 101.4



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: 0.086 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL037038.D

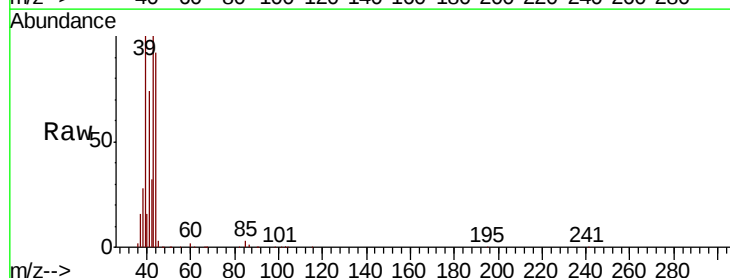
Acq: 21 May 2021 00:11

Tgt Ion: 85 Resp: 15996

Ion Ratio Lower Upper

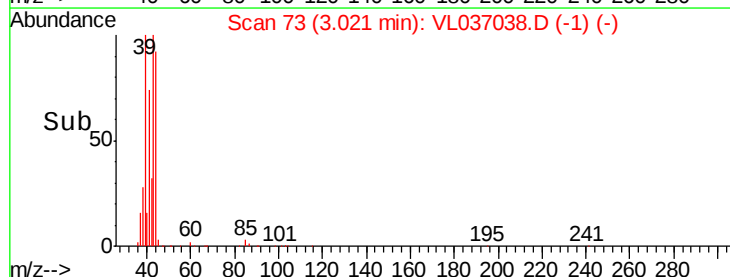
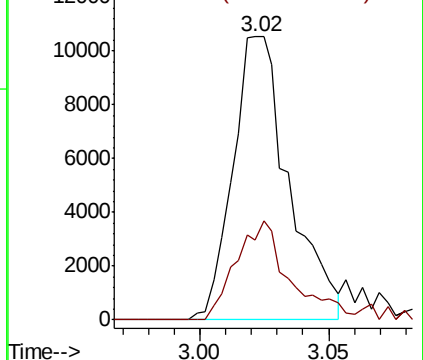
85 100

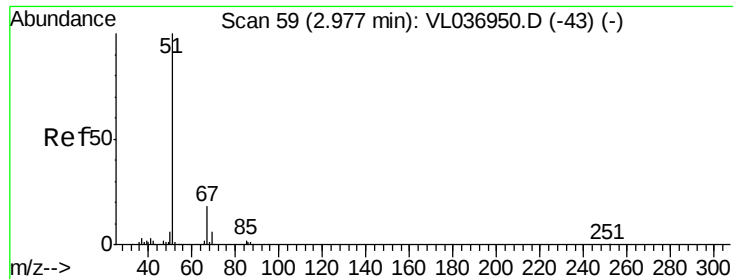
87 28.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.102 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

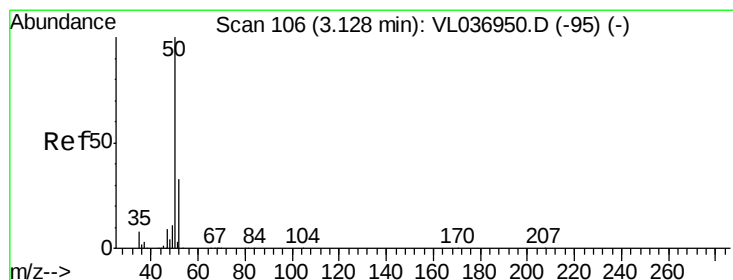
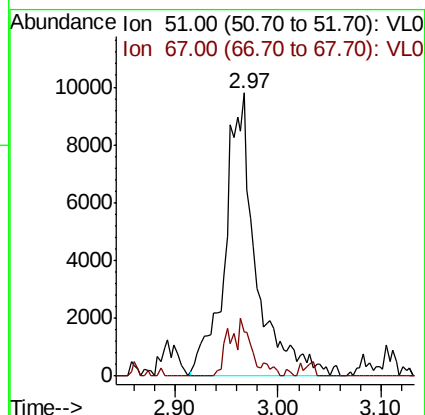
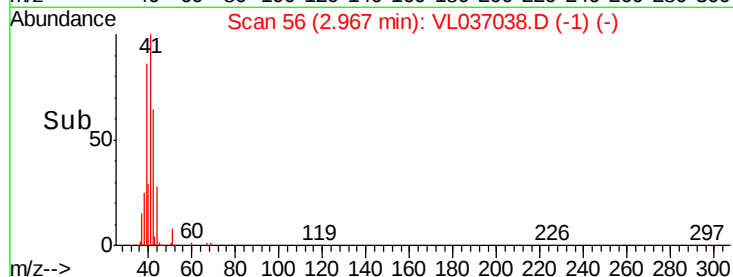
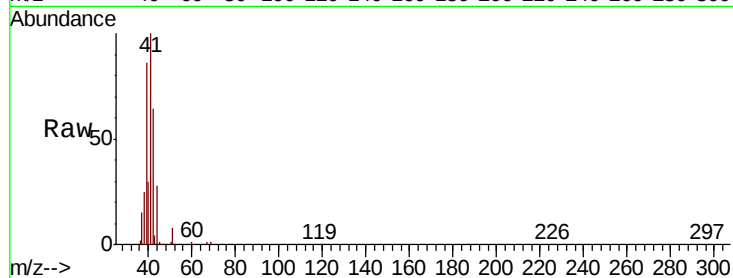
KSV-11DUP

Tot Ion: 51 Resp: 20487

Ion Ratio Lower Upper

51 100

67 14.9 14.6 21.8



#4

Chloromethane

Concen: 0.207 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.02 min

Lab File: VL037038.D

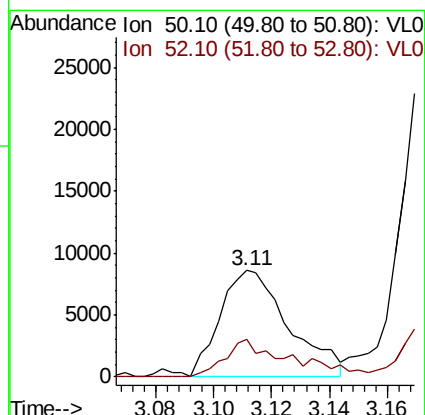
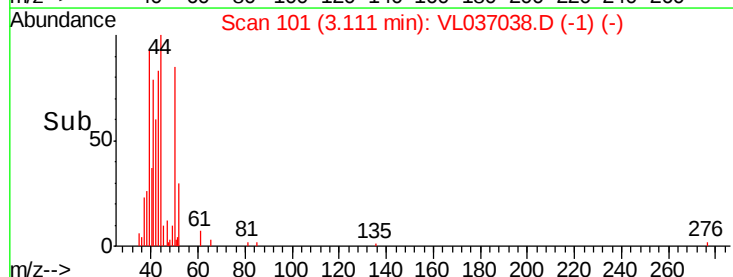
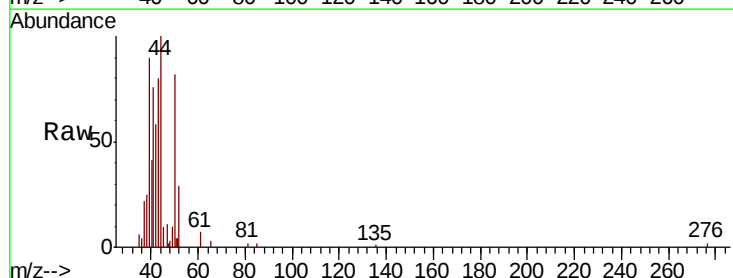
Acq: 21 May 2021 00:11

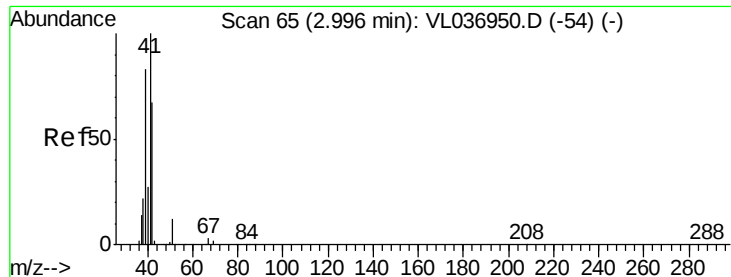
Tgt Ion: 50 Resp: 14123

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1





#9

Propene

Concen: 33.863 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.18 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

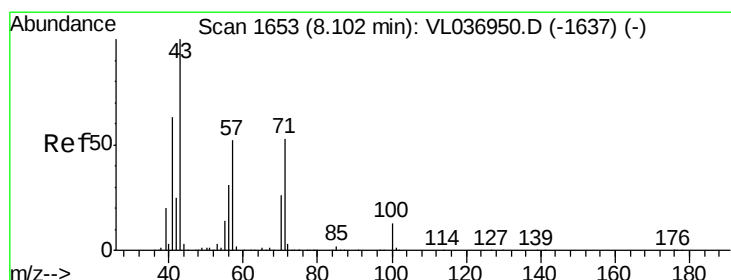
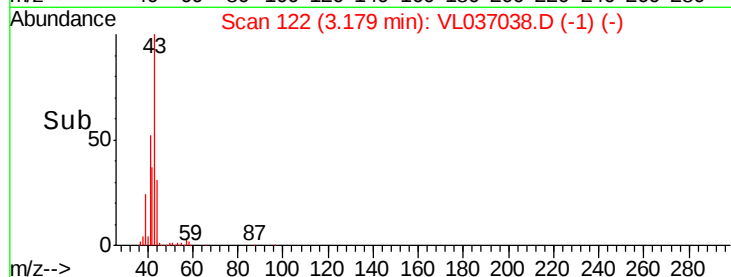
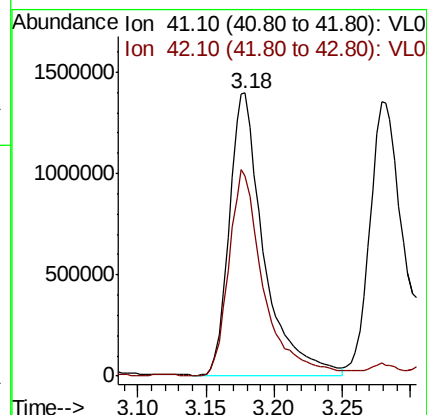
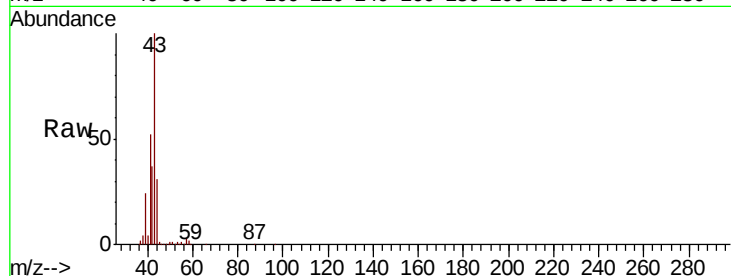
KSV-11DUP

Tot Ion: 41 Resp: 2432055

Ion Ratio Lower Upper

41 100

42 73.4 53.9 80.9



#10

Heptane

Concen: 34.804 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL037038.D

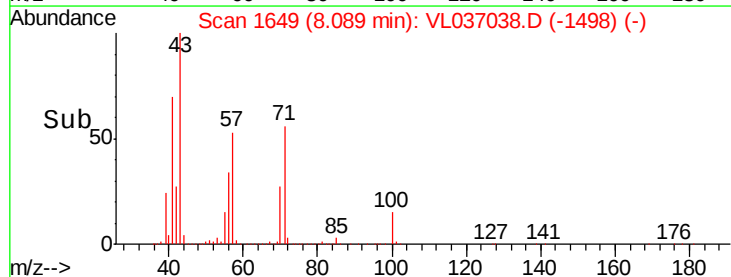
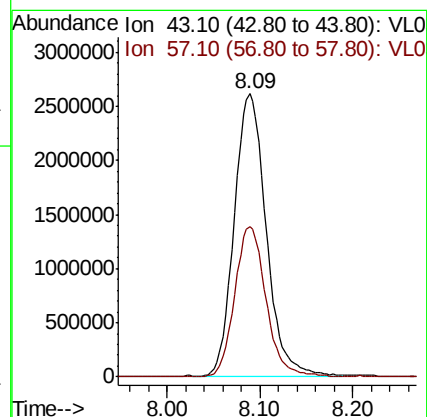
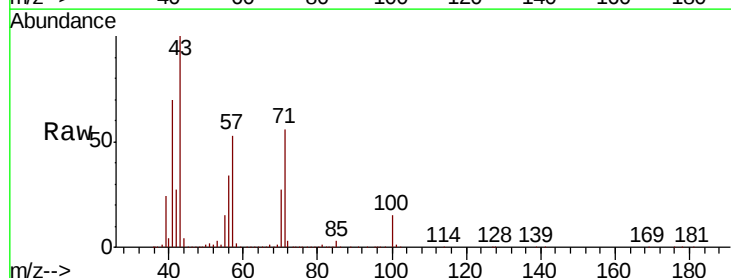
Acq: 21 May 2021 00:11

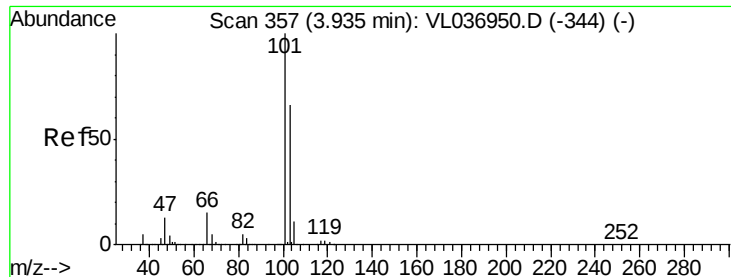
Tgt Ion: 43 Resp: 6229486

Ion Ratio Lower Upper

43 100

57 52.4 41.0 61.6

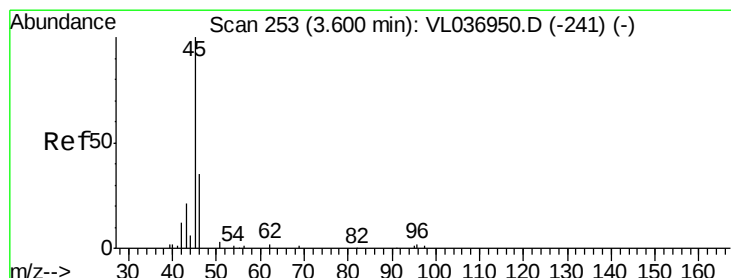
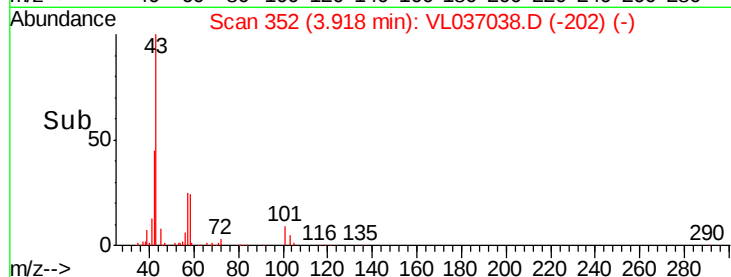
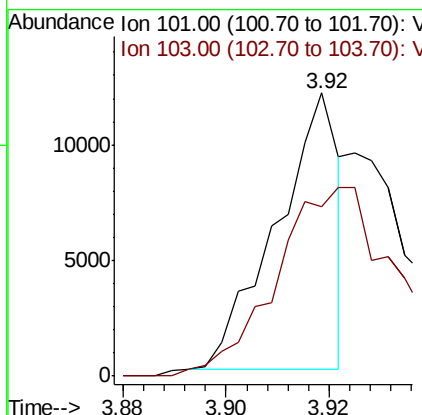
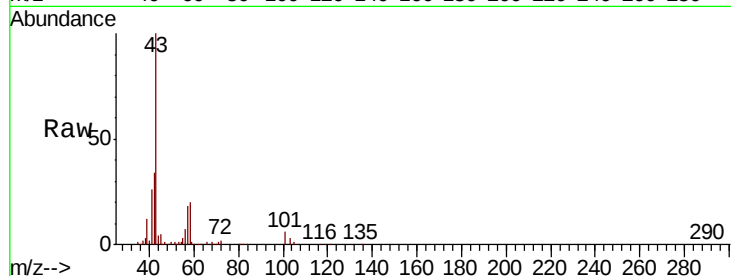




#11
 Trichlorofluoromethane
 Concen: 0.058 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

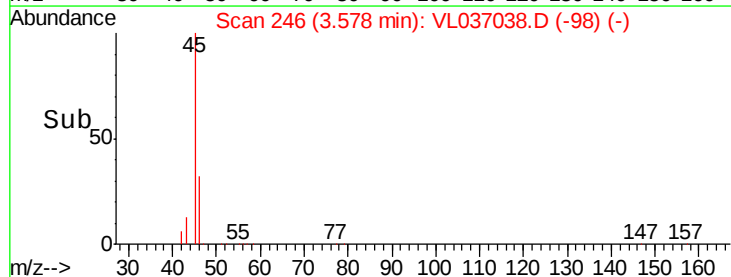
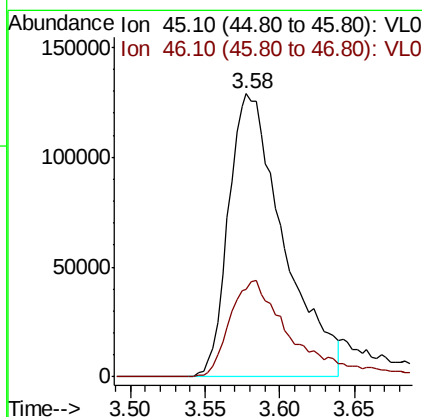
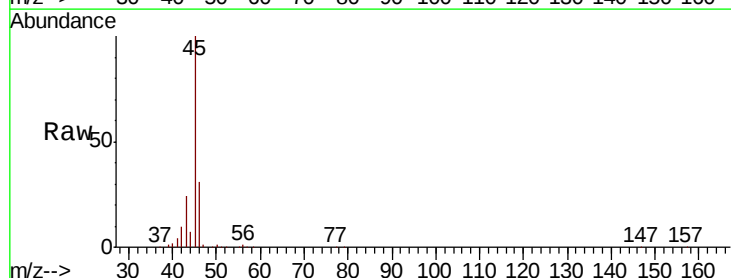
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11DUP

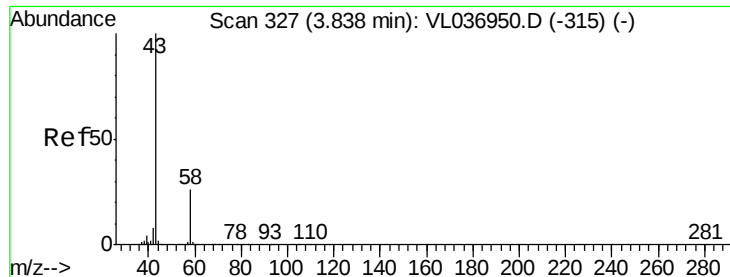
Tot Ion:101 Resp: 10003
 Ion Ratio Lower Upper
 101 100
 103 58.9 52.6 79.0



#13
 Ethanol
 Concen: 34.276 ppbv
 RT: 3.58 min Scan# 246
 Delta R.T. -0.02 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Tgt Ion: 45 Resp: 328453
 Ion Ratio Lower Upper
 45 100
 46 39.6 16.3 65.3





#15

Acetone

Concen: 151.679 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

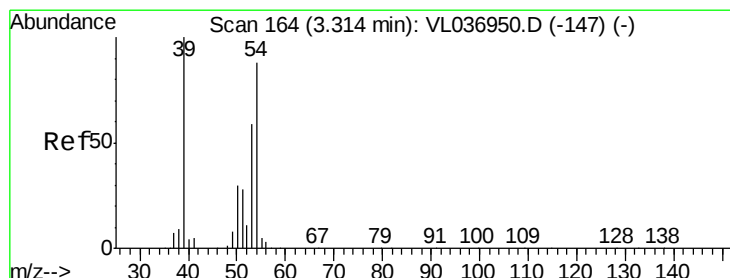
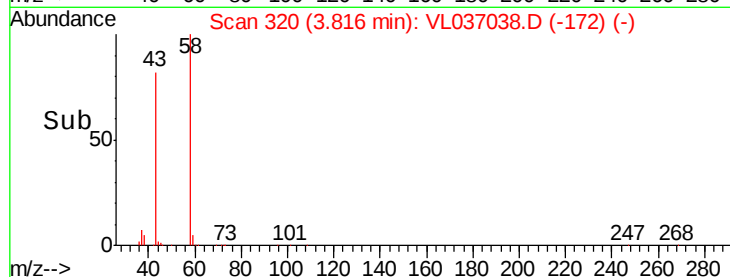
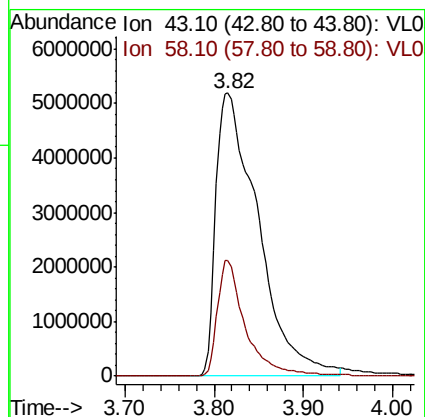
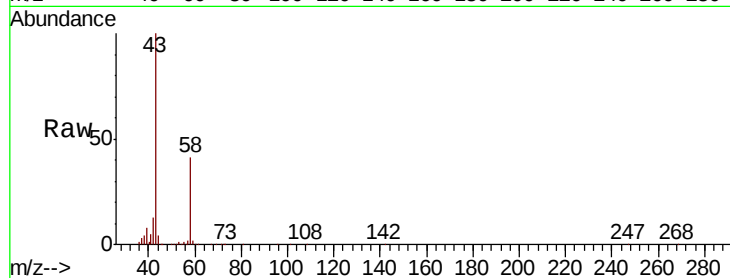
KSV-11DUP

Tot Ion: 43 Resp:17008743

Ion Ratio Lower Upper

43 100

58 27.9 24.0 36.0



#16

1,3-Butadiene

Concen: 44.742 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.01 min

Lab File: VL037038.D

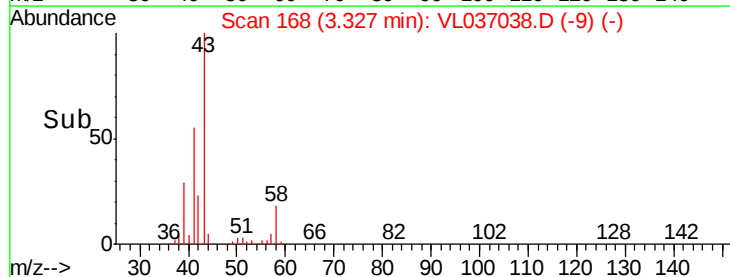
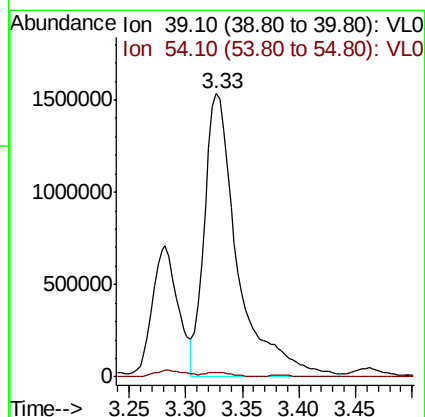
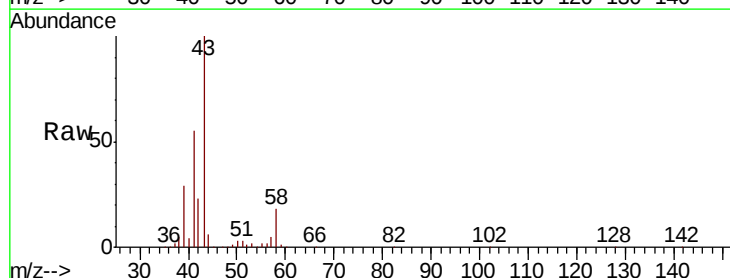
Acq: 21 May 2021 00:11

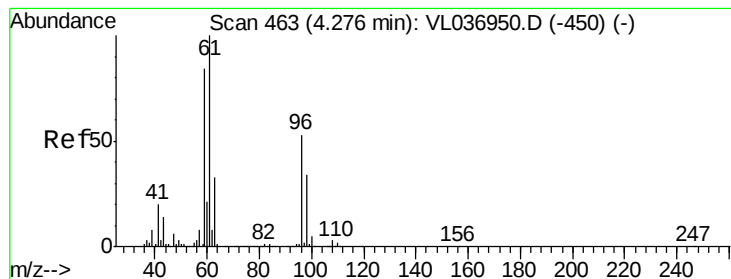
Tgt Ion: 39 Resp: 3117099

Ion Ratio Lower Upper

39 100

54 1.6 63.2 94.8#



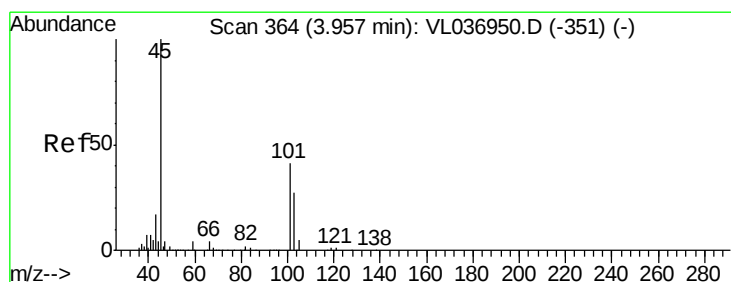
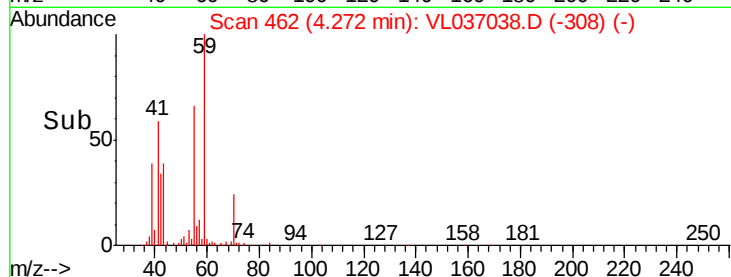
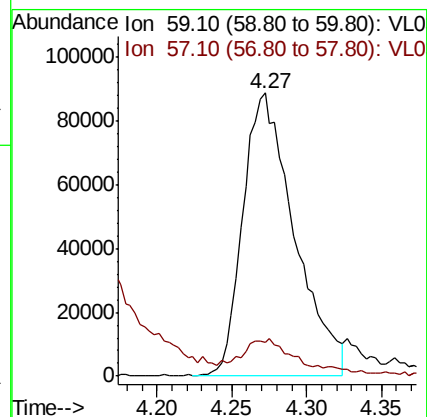
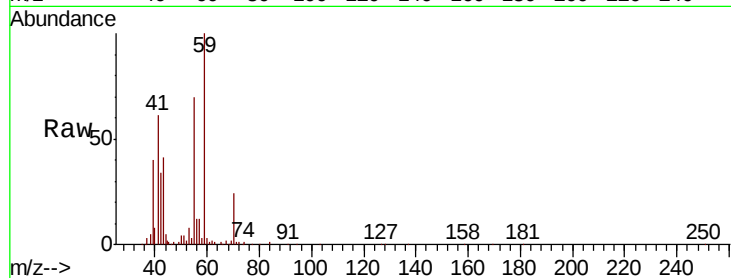


#17

tert-Butyl alcohol
 Concen: 2.065 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Instrument :
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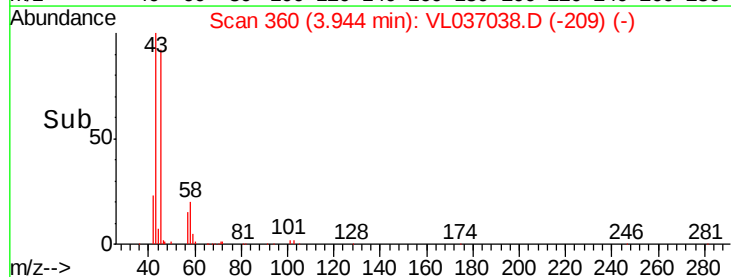
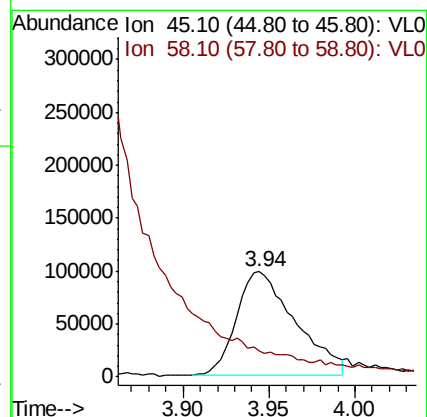
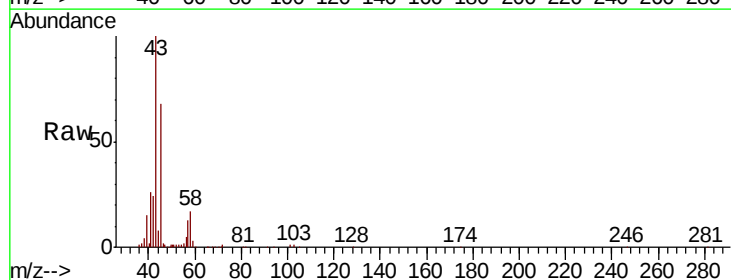
Tot Ion: 59 Resp: 212129
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

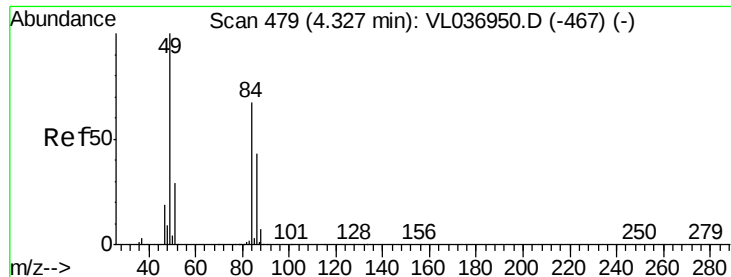


#19

Isopropyl Alcohol
 Concen: 3.888 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Tgt Ion: 45 Resp: 234380
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#



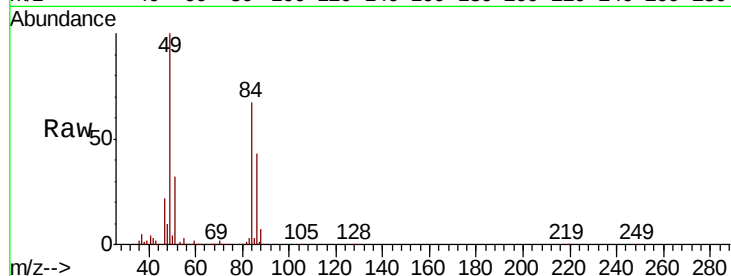


#20
Methvlene Chloride
Concen: 19.553 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Instrument :
MSVOA_L
ClientSampleId :
KSV-11DUP

Tot Ion: 84 Resp: 1175289

Ion	Ratio	Lower	Upper
84	100		
49	149.0	119.8	179.6
51	46.4	35.1	52.7
86	63.8	50.9	76.3



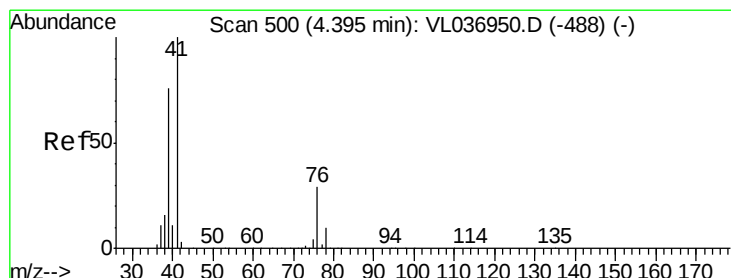
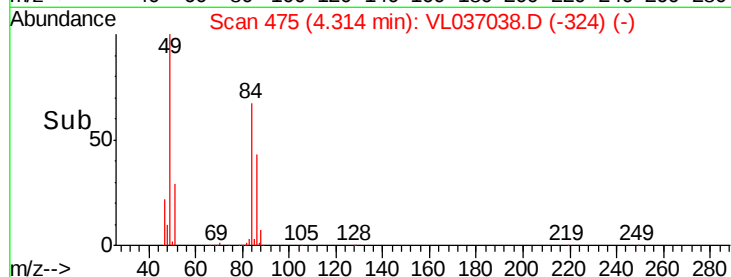
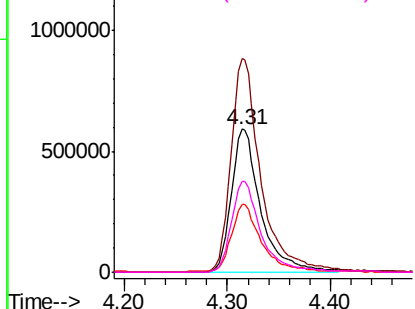
Abundance

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

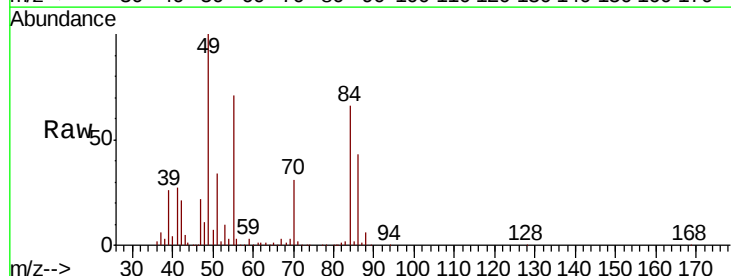
Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 2.390 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.06 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Tgt Ion: 41 Resp: 202174

Ion	Ratio	Lower	Upper
41	100		
76	125.2	24.9	37.3#
39	99.1	63.7	95.5#

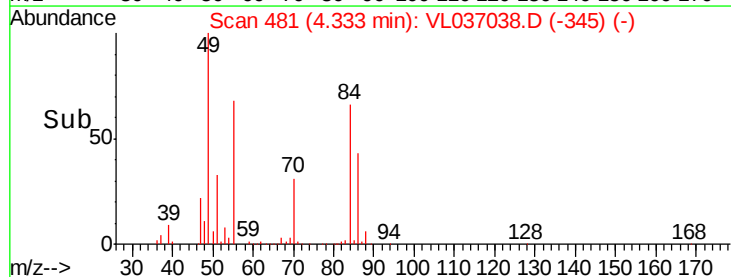
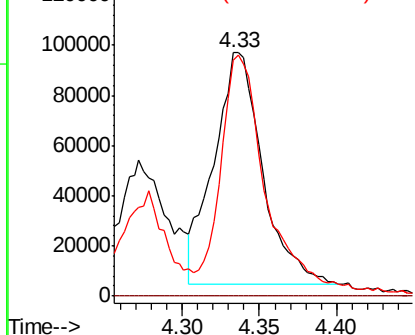


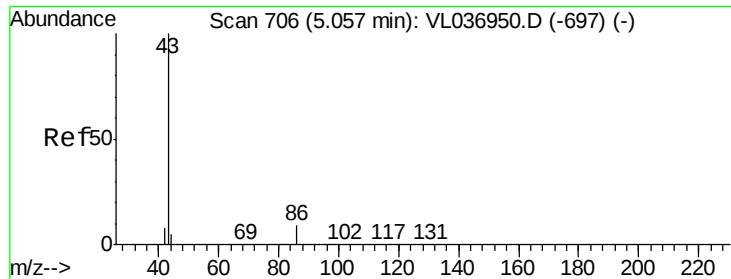
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 4.688 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.03 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

KSV-11DUP

Tot Ion: 43 Resp: 834478

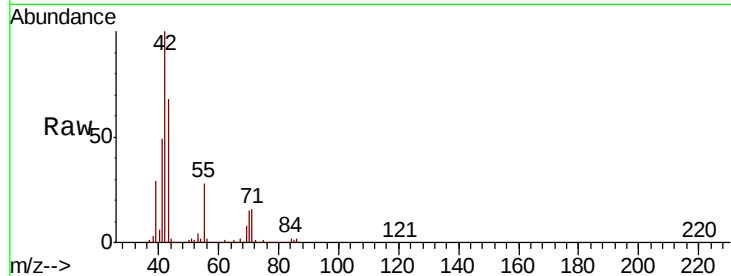
Ion Ratio Lower Upper

43 100

86 2.8 5.8 8.8#

42 147.9 7.4 11.2#

44 3.0 3.3 4.9#

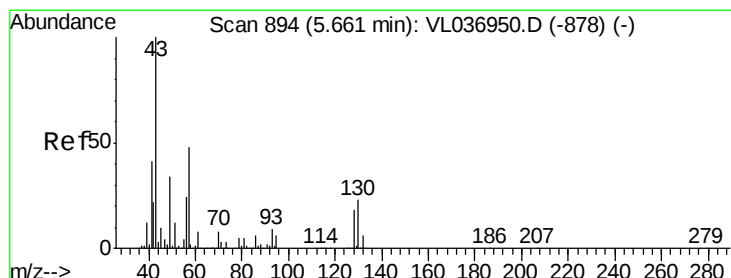
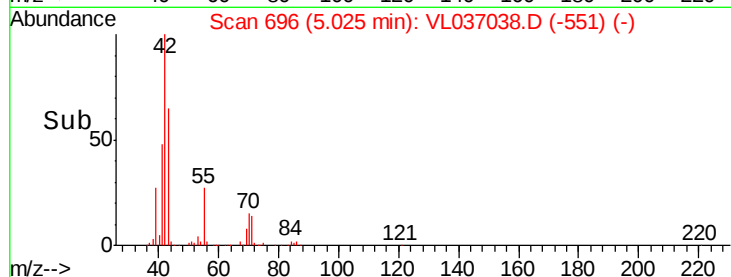
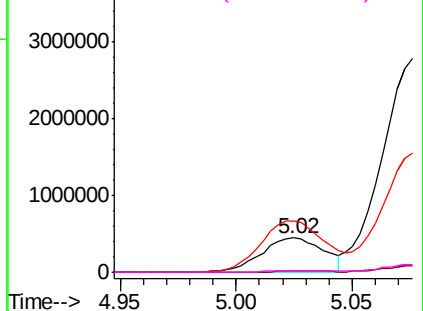


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 26.170 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Tgt Ion: 43 Resp: 7051694

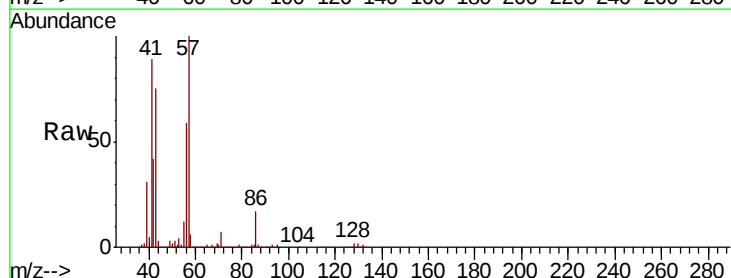
Ion Ratio Lower Upper

43 100

45 0.5 7.8 11.8#

61 0.5 7.8 11.8#

70 2.1 5.6 8.4#

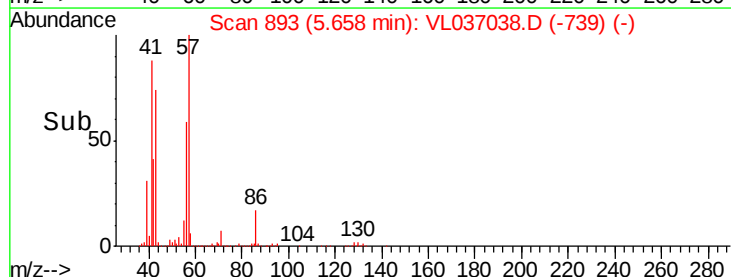
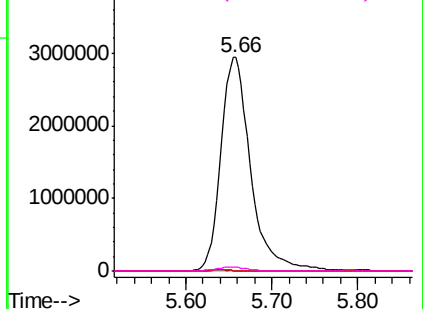


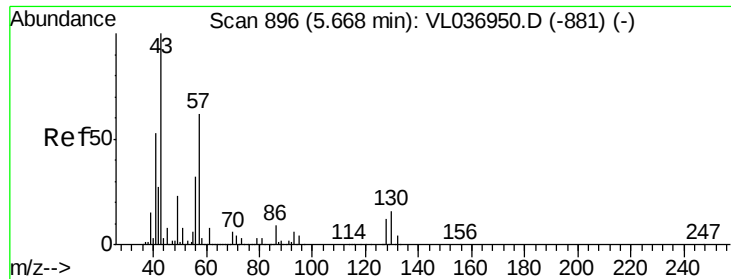
Abundance Ion 43.10 (42.80 to 43.80): VL0

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



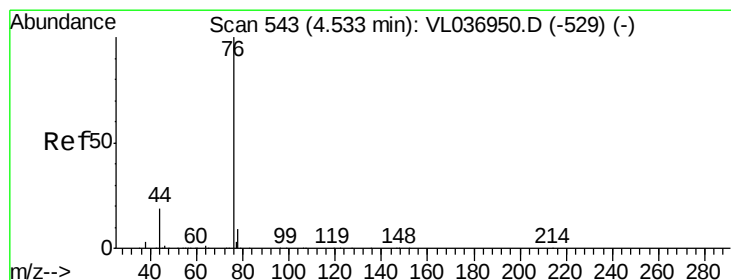
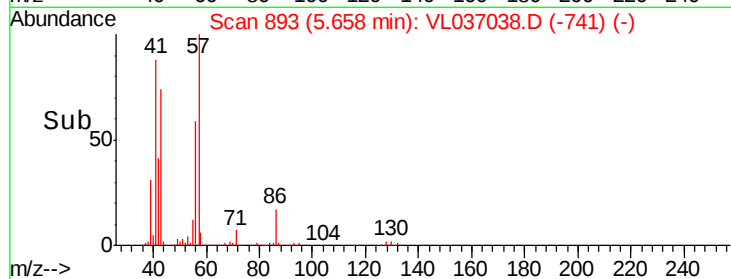
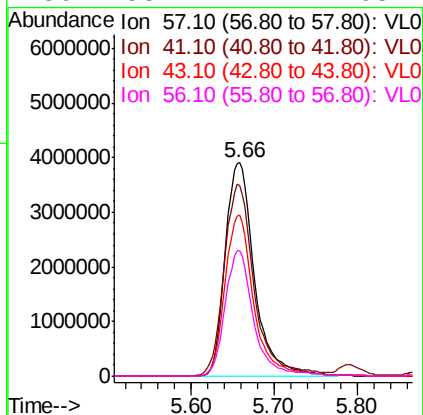
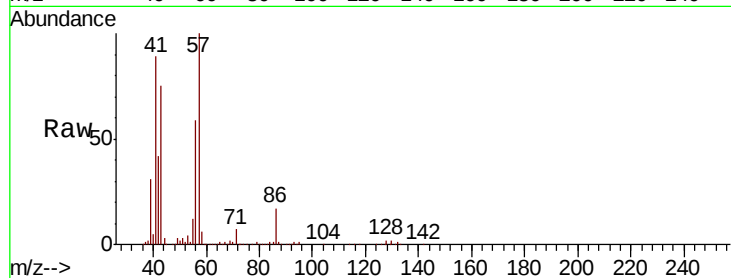


#26
Hexane
Concen: 69.359 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Instrument :
MSVOA_L
ClientSampleId :
KSV-11DUP

Tot Ion: 57 Resp: 9547617

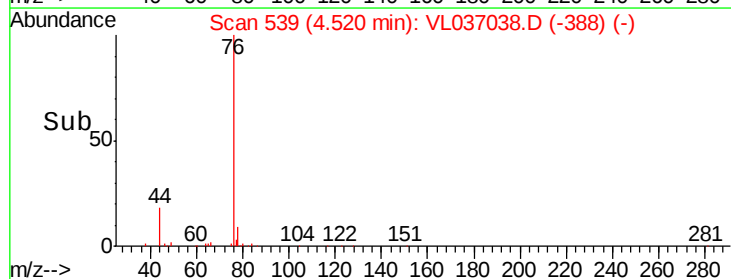
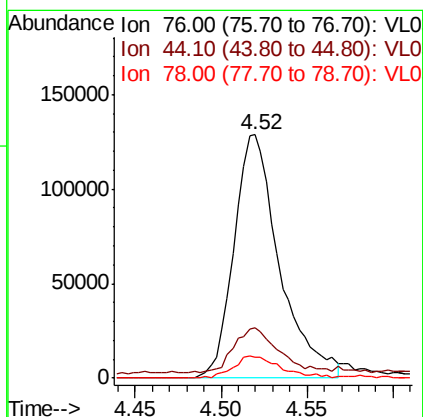
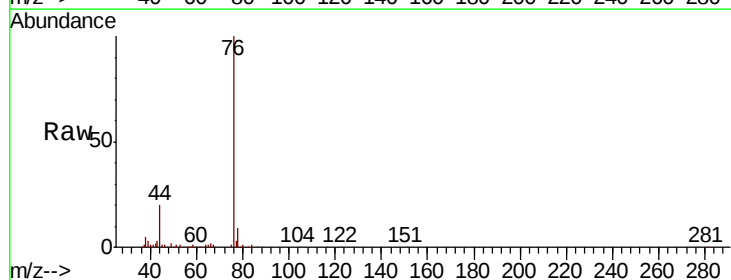
Ion	Ratio	Lower	Upper
57	100		
41	93.3	70.5	105.7
43	74.4	165.8	248.8#
56	58.2	42.2	63.4

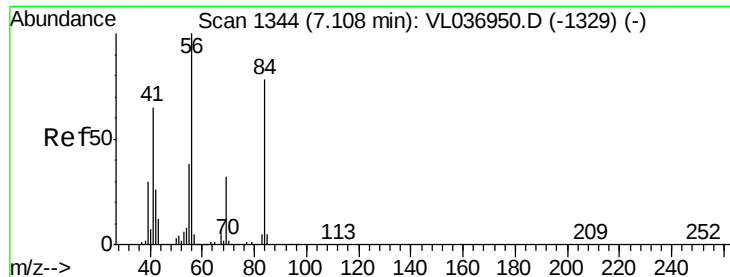


#27
Carbon Disulfide
Concen: 1.704 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Tgt Ion: 76 Resp: 236365

Ion	Ratio	Lower	Upper
76	100		
44	24.4	15.5	23.3#
78	10.3	7.8	11.6

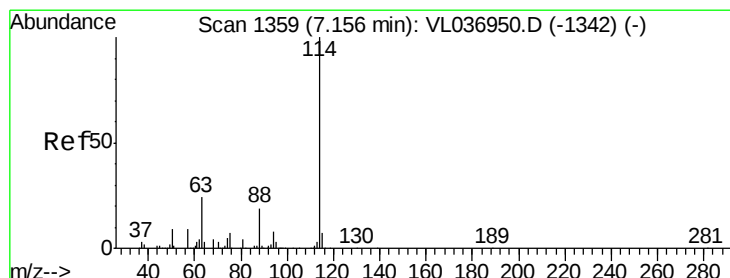
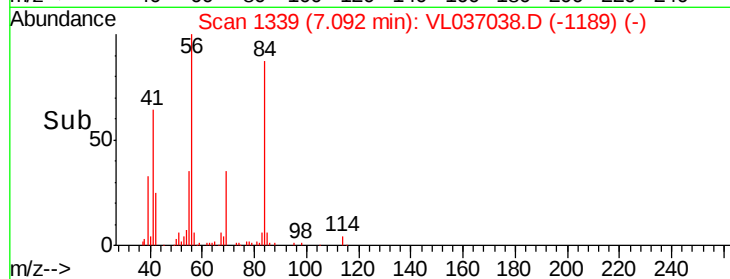
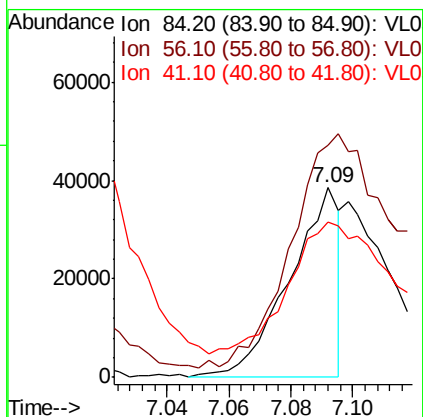
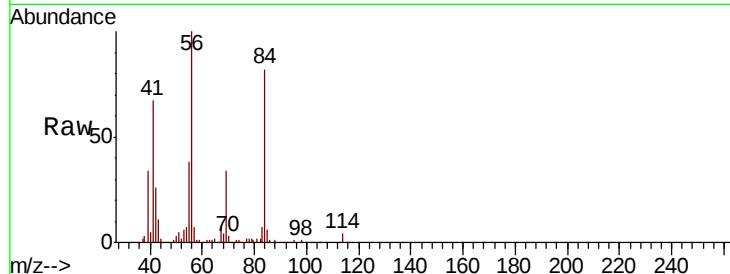




#30
Cyclohexane
Concen: 0.368 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.02 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

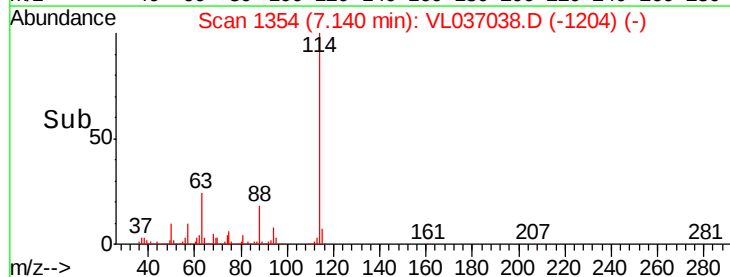
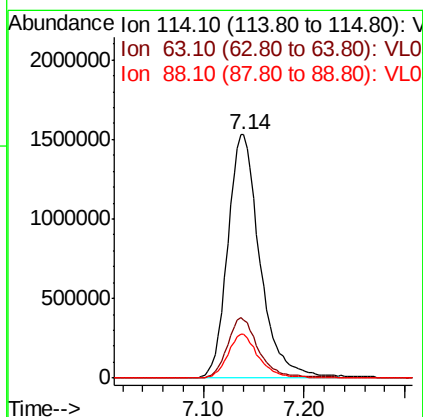
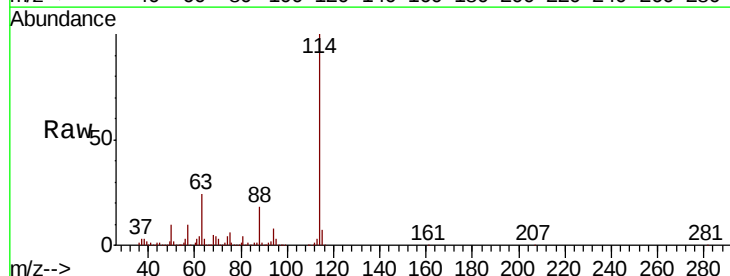
Instrument :
MSVOA_L
ClientSampleId :
KSV-11DUP

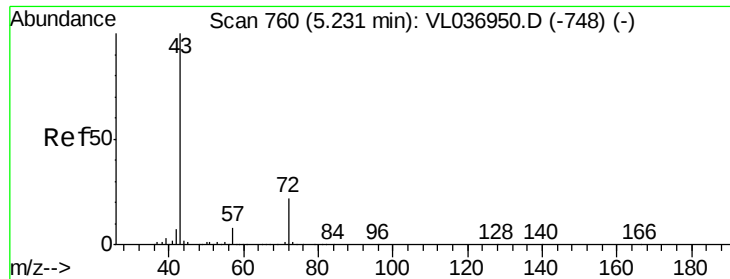
Tot Ion: 84 Resp: 43005
Ion Ratio Lower Upper
84 100
56 0.0 107.9 161.9#
41 174.2 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Tgt Ion: 114 Resp: 3401708
Ion Ratio Lower Upper
114 100
63 24.4 19.6 29.4
88 17.6 14.6 21.8

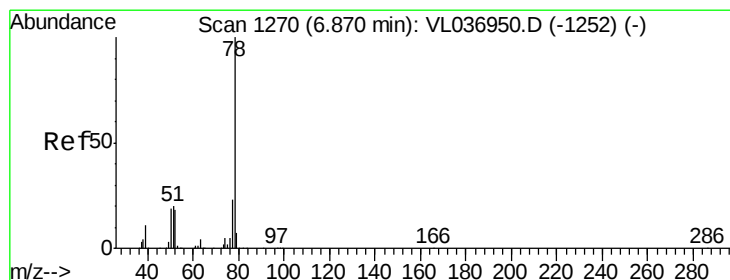
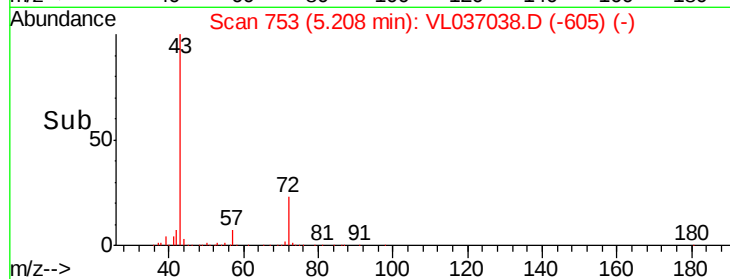
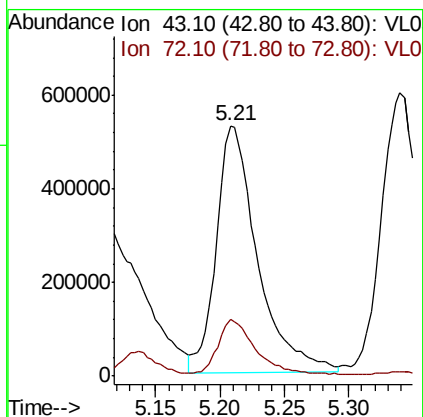
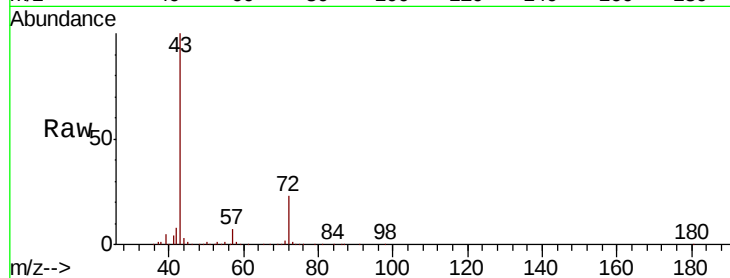




#34
2-Butanone
Concen: 9.462 ppbv
RT: 5.21 min Scan# 753
Delta R.T. -0.02 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

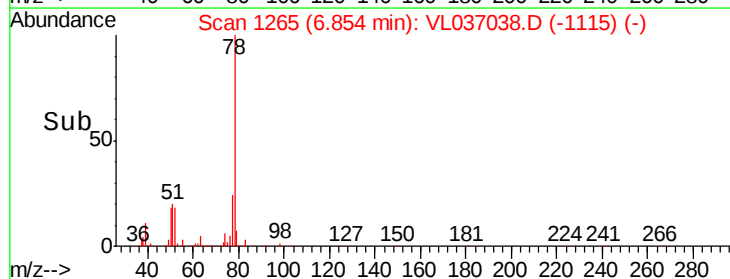
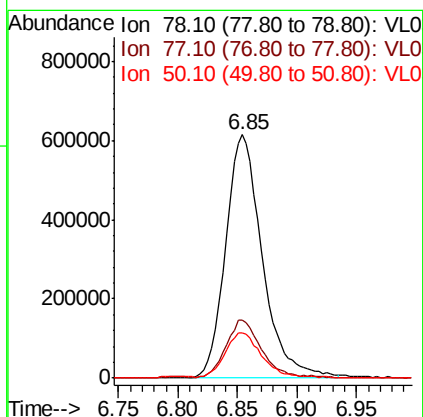
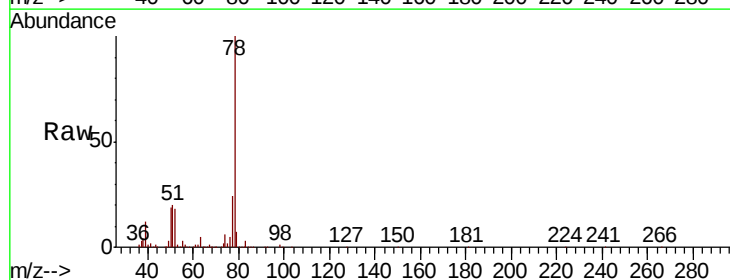
Instrument :
MSVOA_L
ClientSampleId :
KSV-11DUP

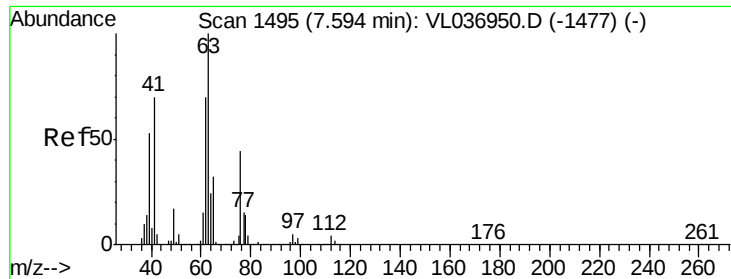
Tot Ion: 43 Resp: 1171960
Ion Ratio Lower Upper
43 100
72 22.3 19.0 28.4



#36
Benzene
Concen: 4.463 ppbv
RT: 6.85 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Tgt Ion: 78 Resp: 1307641
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0
50 18.2 15.0 22.4

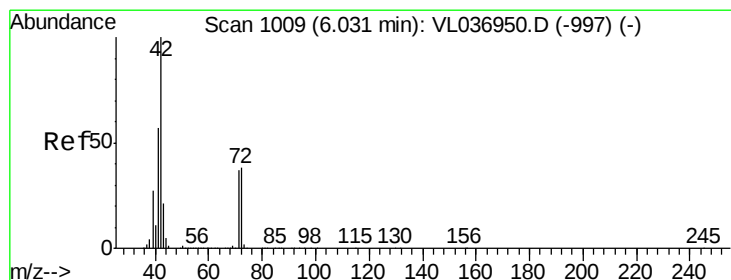
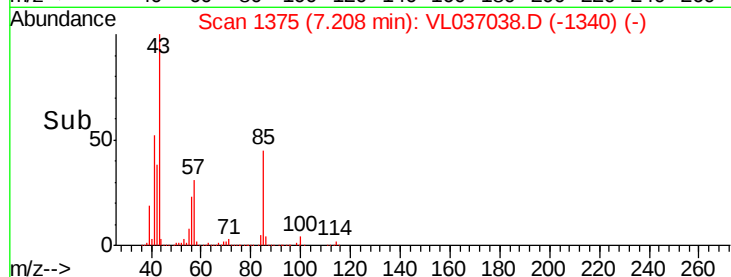
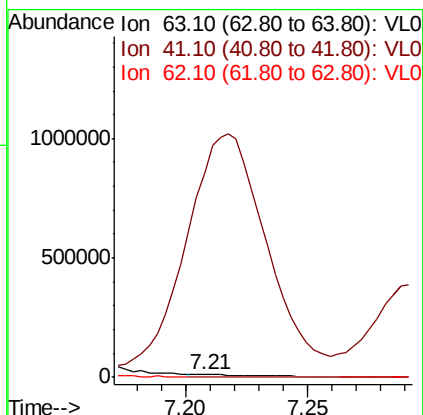
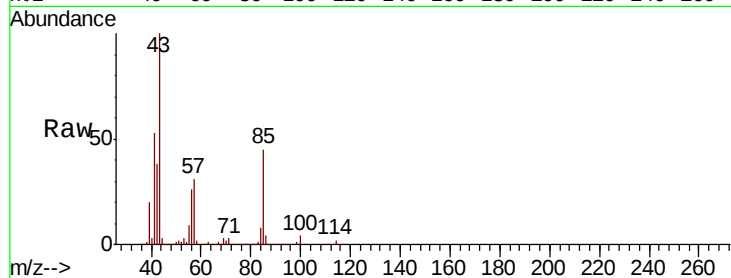




#39
 1,2-Dichloropropane
 Concen: 0.154 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.39 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

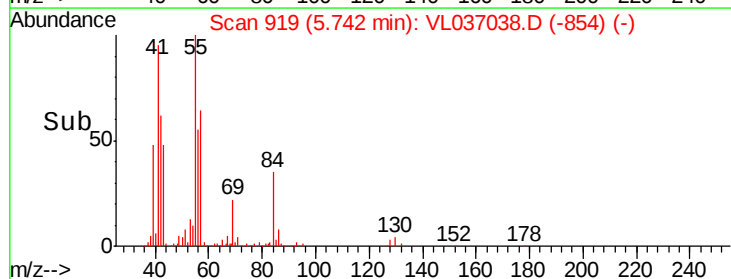
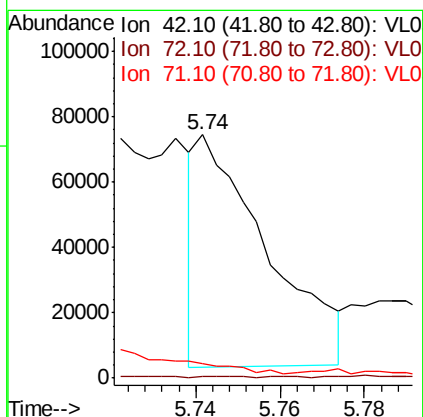
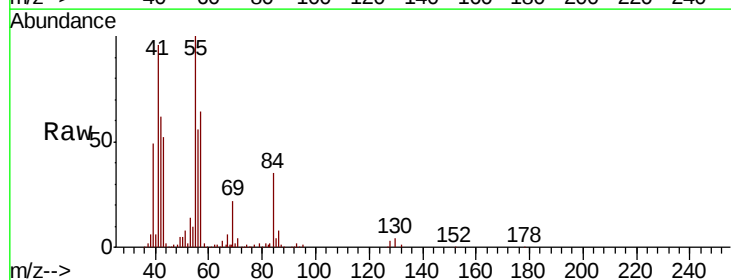
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11DUP

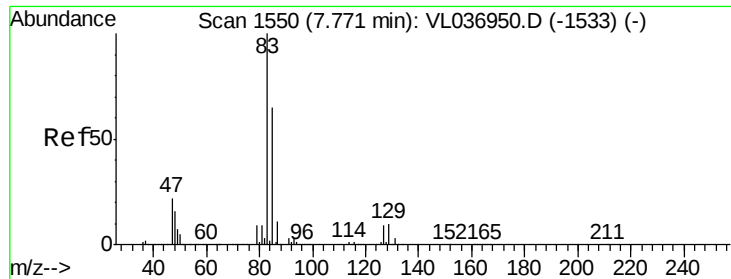
Tot Ion: 63 Resp: 17392
 Ion Ratio Lower Upper
 63 100
 41 7355.8 55.7 83.5#
 62 17.6 56.2 84.4#



#41
 Tetrahydrofuran
 Concen: 1.161 ppbv
 RT: 5.74 min Scan# 919
 Delta R.T. -0.29 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Tgt Ion: 42 Resp: 81935
 Ion Ratio Lower Upper
 42 100
 72 1.6 31.4 47.2#
 71 0.0 30.4 45.6#





#42

Bromodichloromethane

Concen: 0.395 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

KSV-11DUP

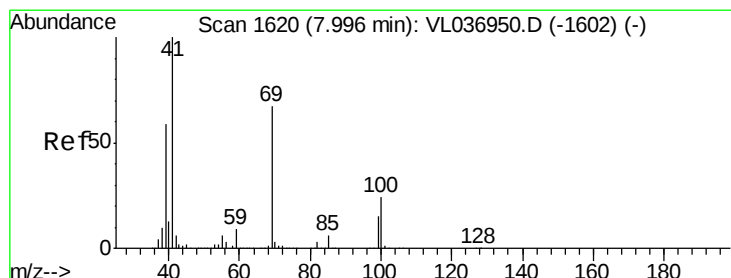
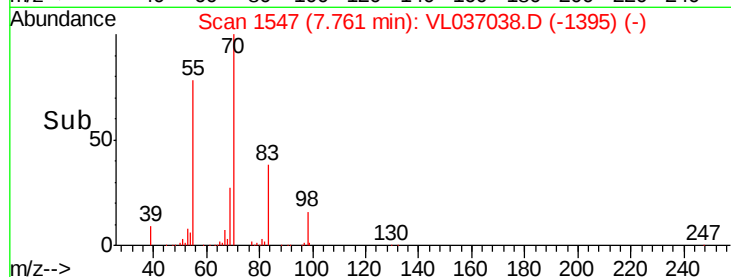
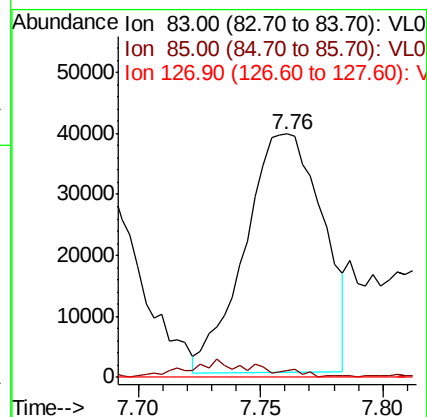
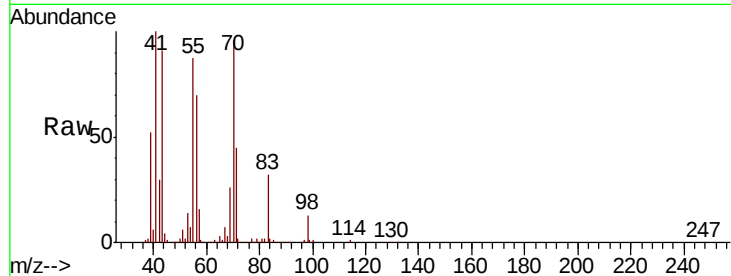
Tot Ion: 83 Resp: 86918

Ion Ratio Lower Upper

83 100

85 2.8 51.7 77.5#

127 0.0 6.9 10.3#



#43

Methyl Methacrylate

Concen: 0.821 ppbv

RT: 7.95 min Scan# 1605

Delta R.T. -0.05 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

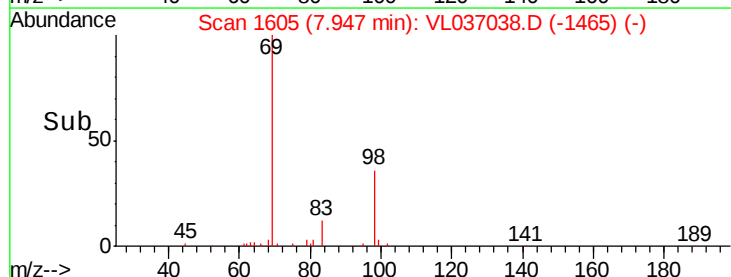
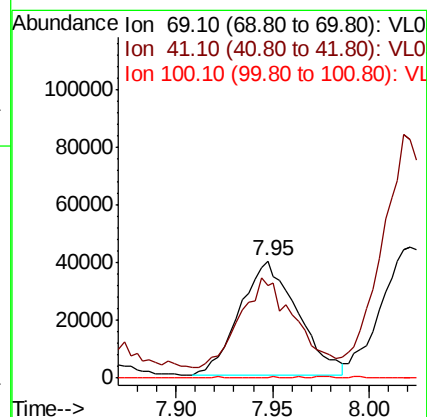
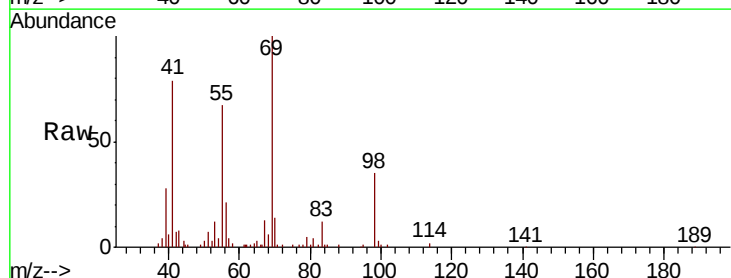
Tgt Ion: 69 Resp: 82931

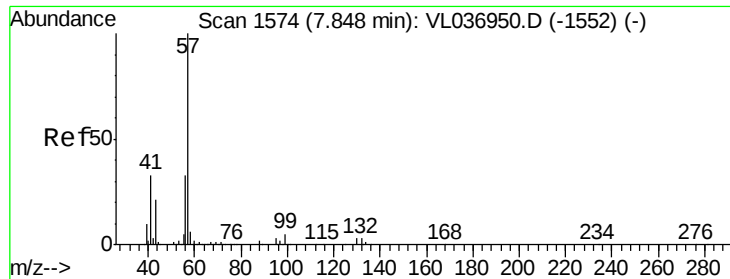
Ion Ratio Lower Upper

69 100

41 0.0 118.6 178.0#

100 0.0 28.2 42.4#

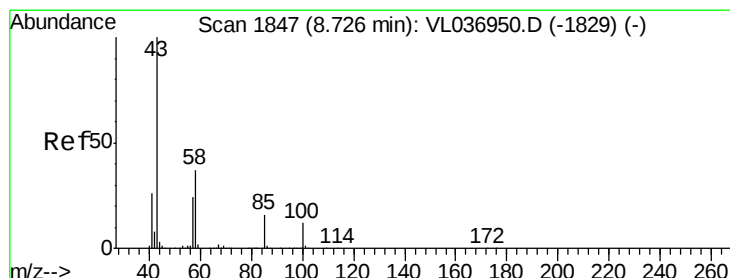
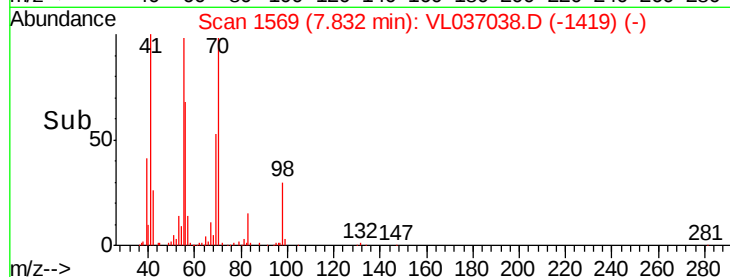
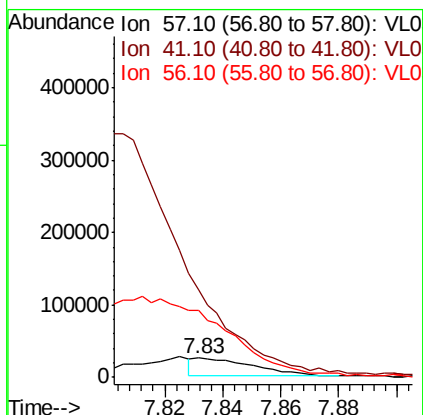
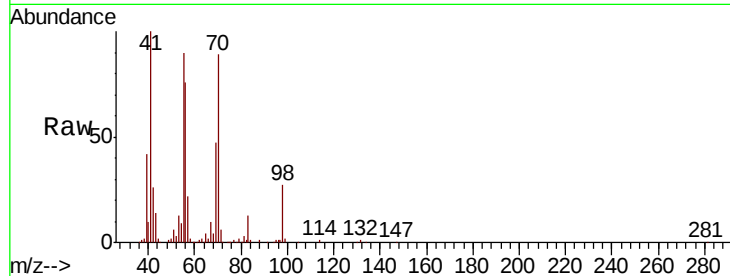




#44
 2,2,4-Trimethylpentane
 Concen: 0.066 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

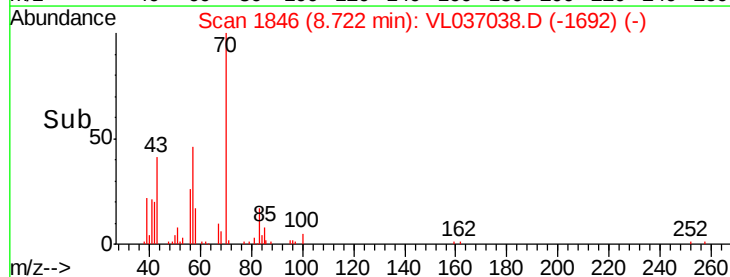
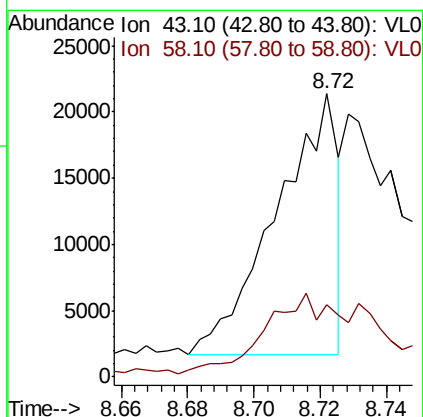
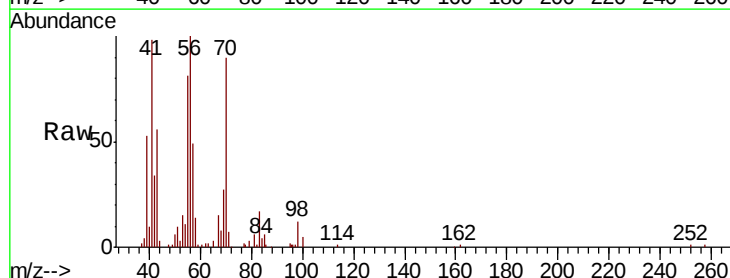
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11DUP

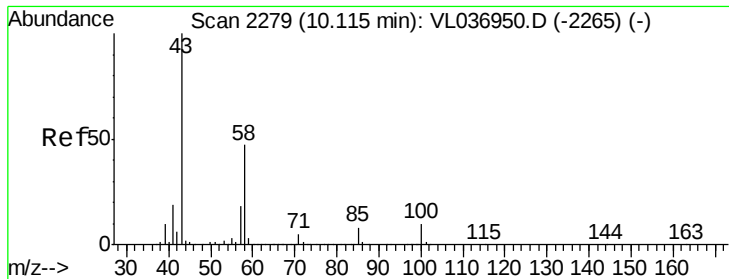
Tot Ion: 57 Resp: 33356
 Ion Ratio Lower Upper
 57 100
 41 2927.0 27.0 40.4#
 56 1759.6 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.125 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Tgt Ion: 43 Resp: 25519
 Ion Ratio Lower Upper
 43 100
 58 59.4 29.4 44.2#





#51

2-Hexanone

Concen: 15.792 ppbv

RT: 10.07 min Scan# 2266

Delta R.T. -0.04 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

KSV-11DUP

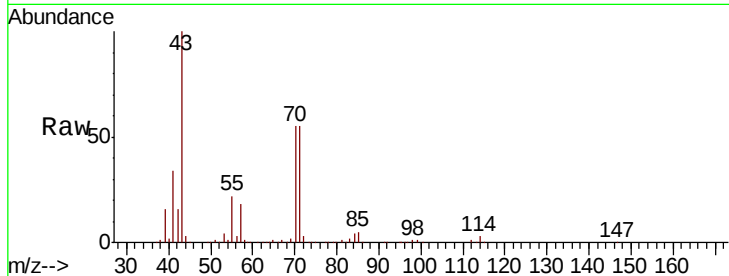
Tot Ion: 43 Resp: 1706430

Ion Ratio Lower Upper

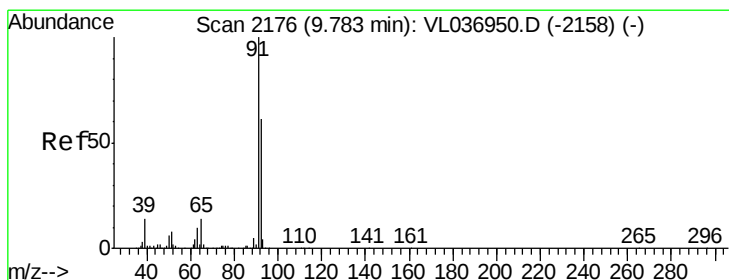
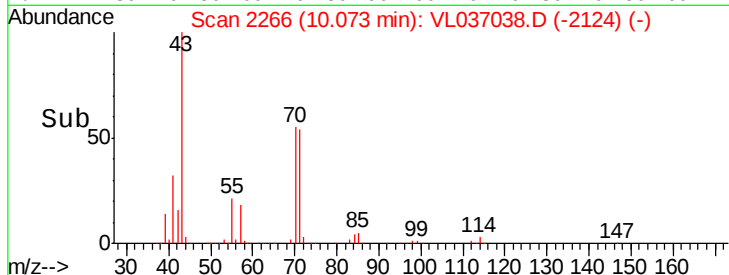
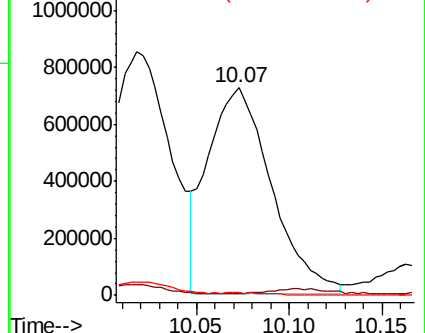
43 100

58 3.8 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: 1.582 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037038.D

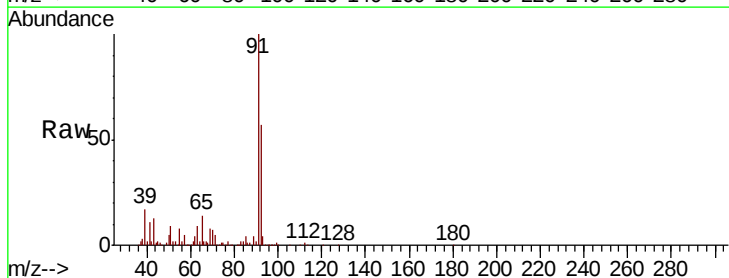
Acq: 21 May 2021 00:11

Tgt Ion: 91 Resp: 551575

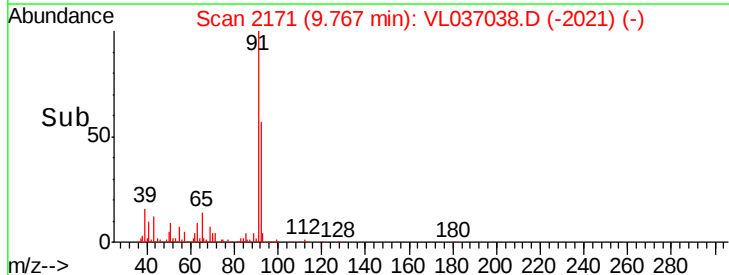
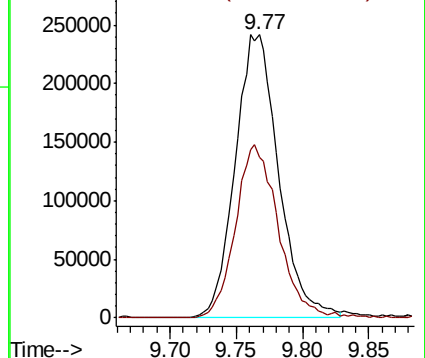
Ion Ratio Lower Upper

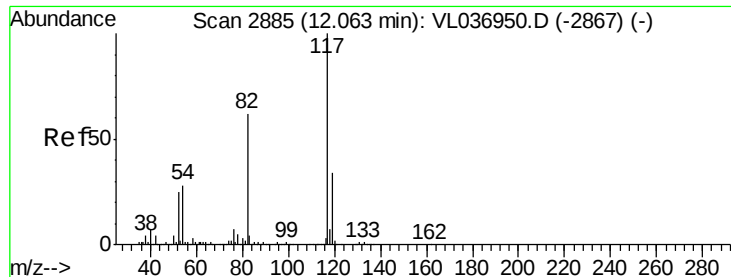
91 100

92 60.3 49.5 74.3



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

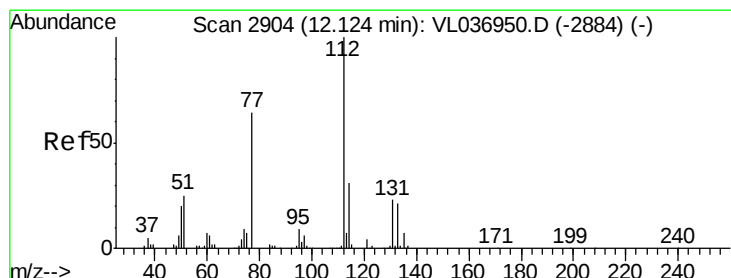
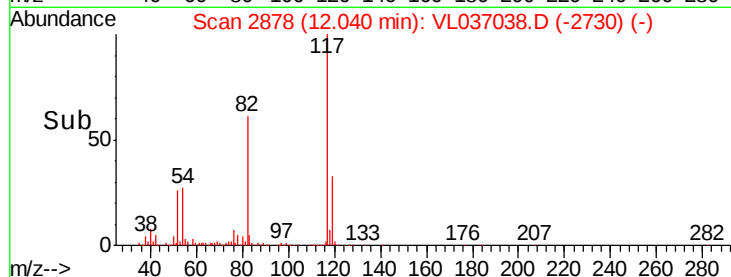
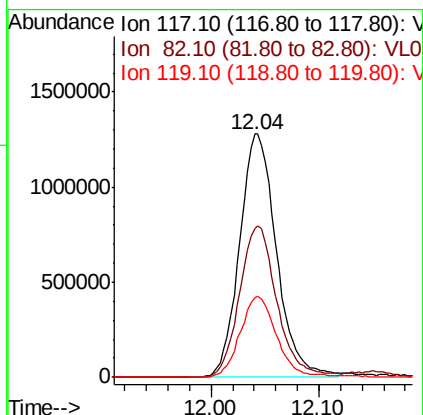
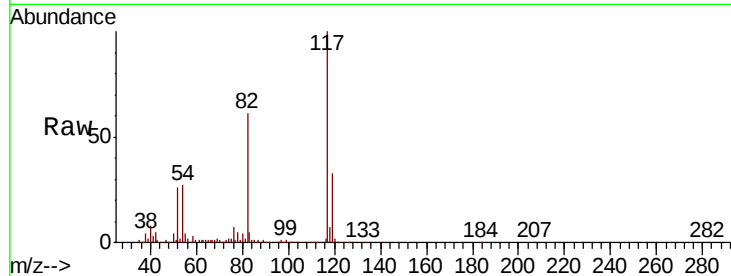




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

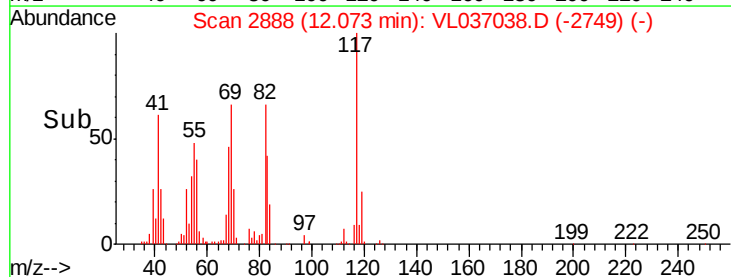
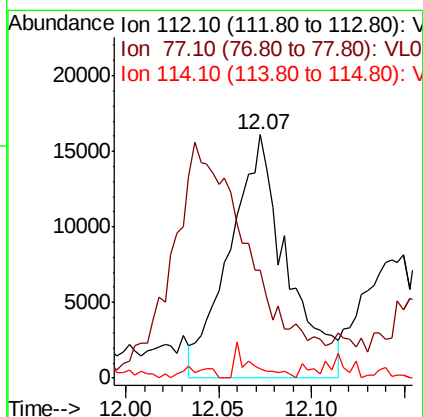
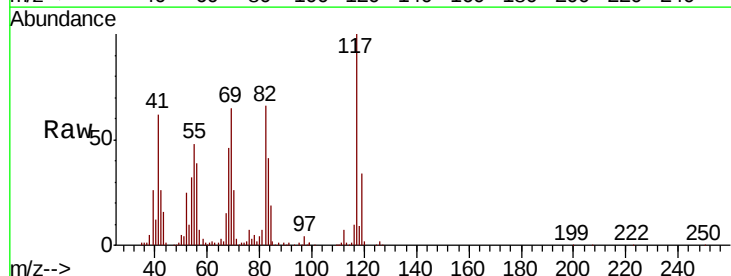
Instrument :
MSVOA_L
ClientSampleId :
KSV-11DUP

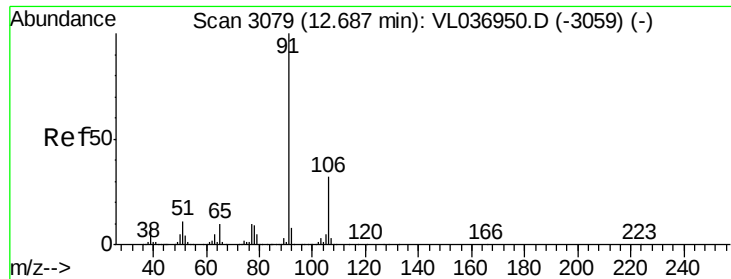
Tot Ion:117 Resp: 3050128
Ion Ratio Lower Upper
117 100
82 63.3 52.6 79.0
119 33.5 46.6 70.0#



#57
Chlorobenzene
Concen: 0.146 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.05 min
Lab File: VL037038.D
Acq: 21 May 2021 00:11

Tgt Ion:112 Resp: 34554
Ion Ratio Lower Upper
112 100
77 29.5 51.0 76.6#
114 0.0 28.3 34.5#





#58

Ethyl Benzene

Concen: 0.135 ppbv

RT: 12.67 min Scan# 3074

Delta R.T. -0.02 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

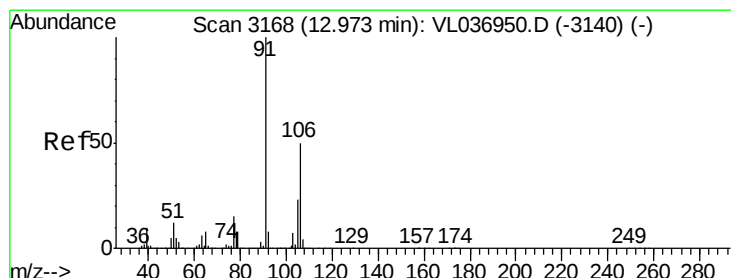
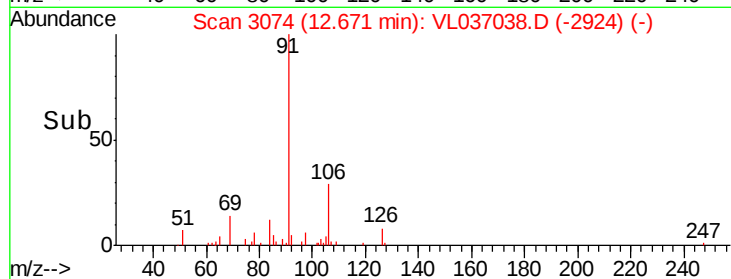
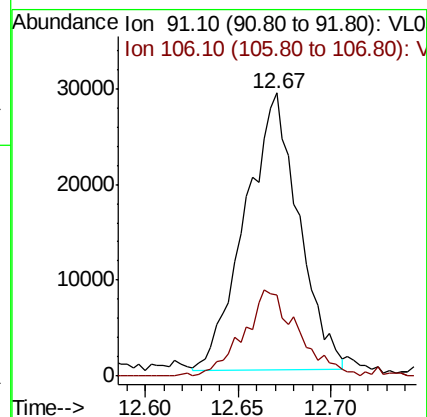
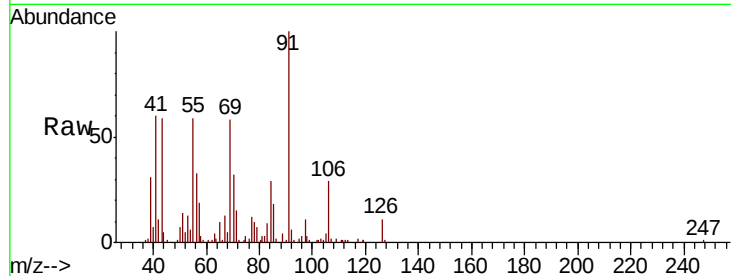
KSV-11DUP

Tot Ion: 91 Resp: 58011

Ion Ratio Lower Upper

91 100

106 29.5 25.6 38.4



#59

m/p-Xylene

Concen: 0.058 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.02 min

Lab File: VL037038.D

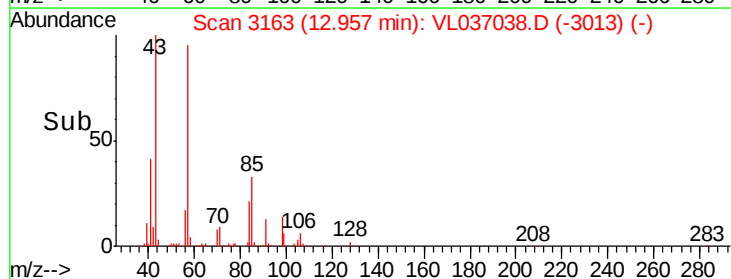
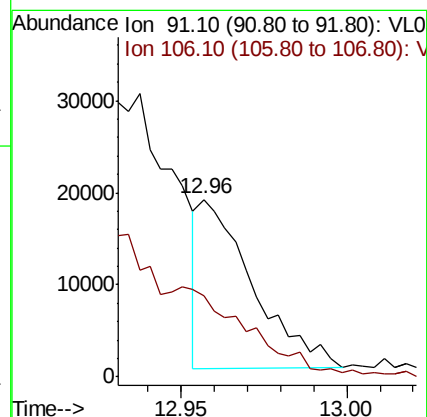
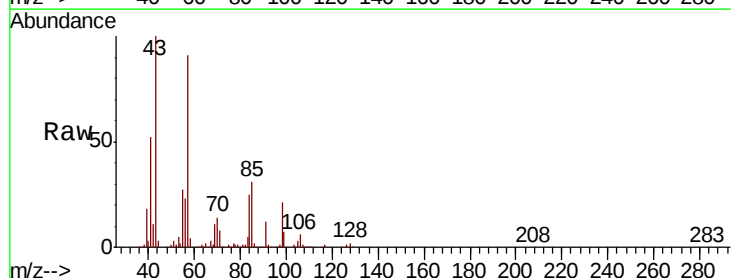
Acq: 21 May 2021 00:11

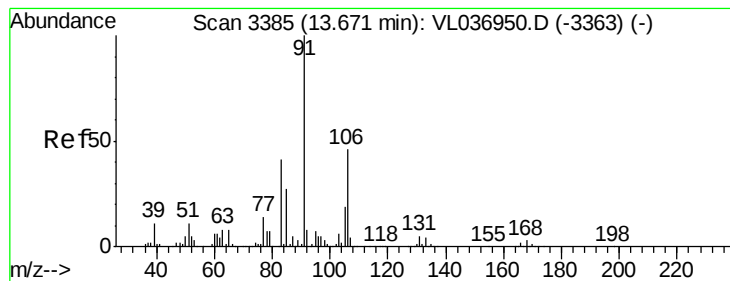
Tgt Ion: 91 Resp: 20541

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#





#60

o-Xylene

Concen: 0.049 ppbv

RT: 13.64 min Scan# 3376

Delta R.T. -0.03 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

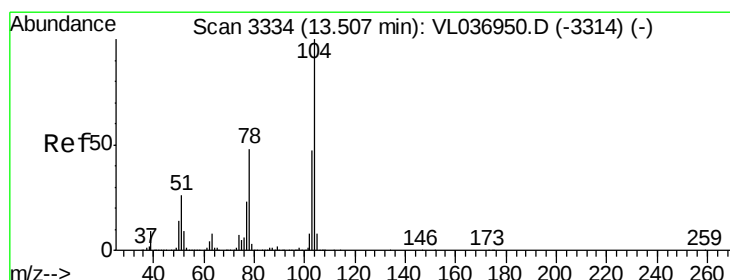
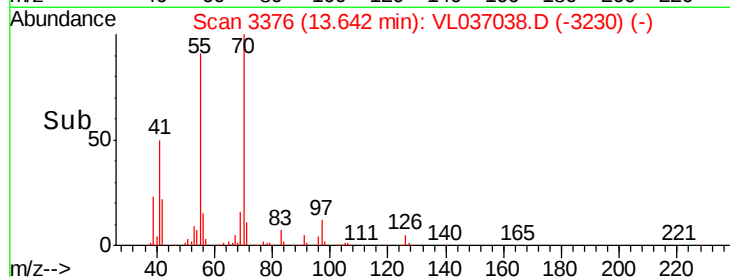
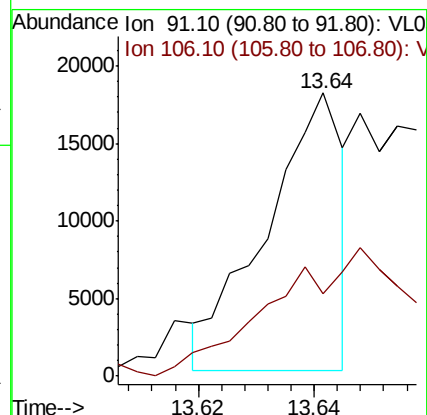
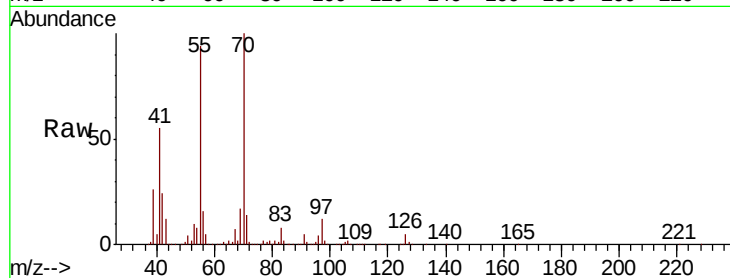
KSV-11DUP

Tot Ion: 91 Resp: 16523

Ion Ratio Lower Upper

91 100

106 0.0 23.4 70.3#



#61

Styrene

Concen: 0.078 ppbv

RT: 13.48 min Scan# 3326

Delta R.T. -0.03 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

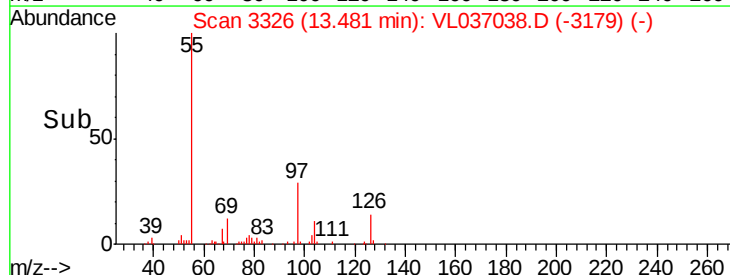
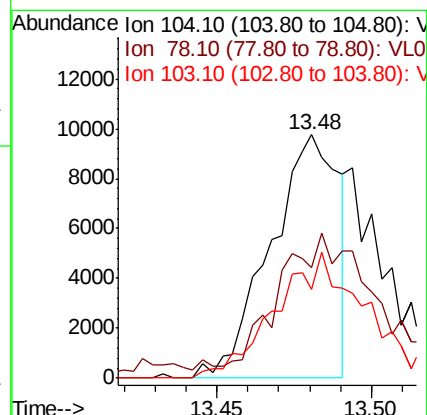
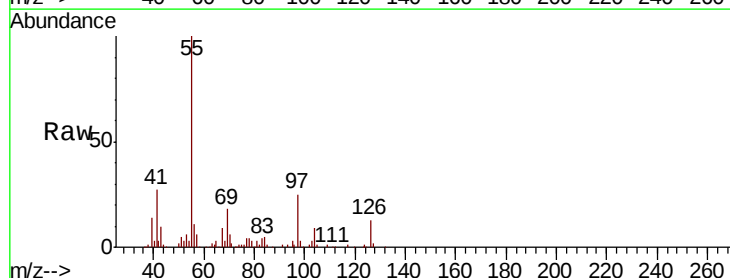
Tgt Ion: 104 Resp: 14934

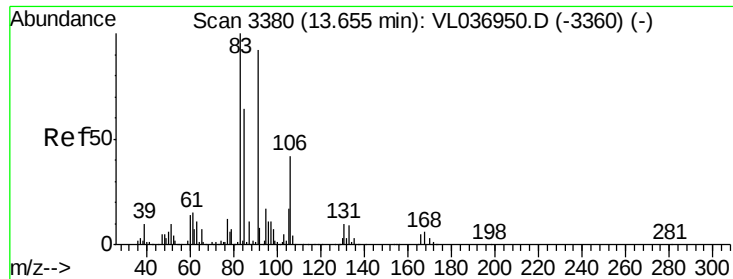
Ion Ratio Lower Upper

104 100

78 95.3 39.0 58.6#

103 73.0 38.0 57.0#

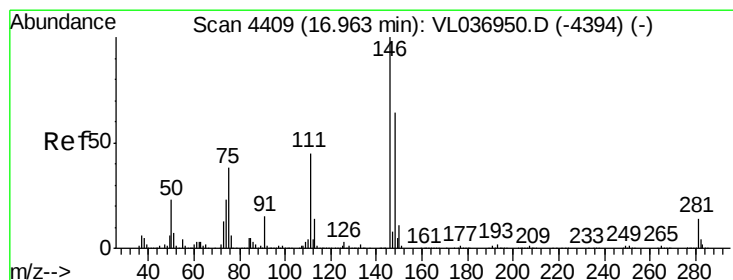
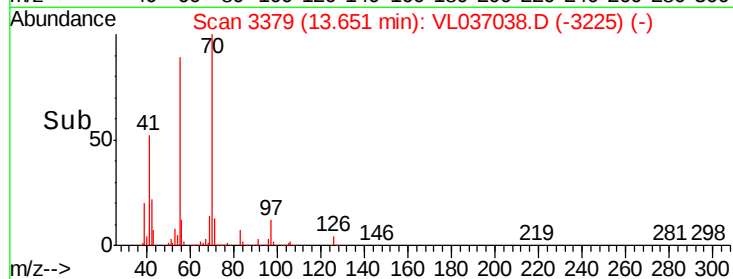
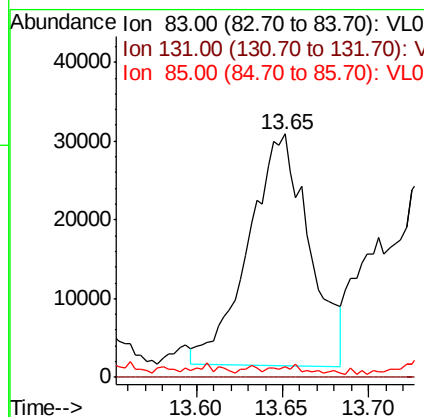
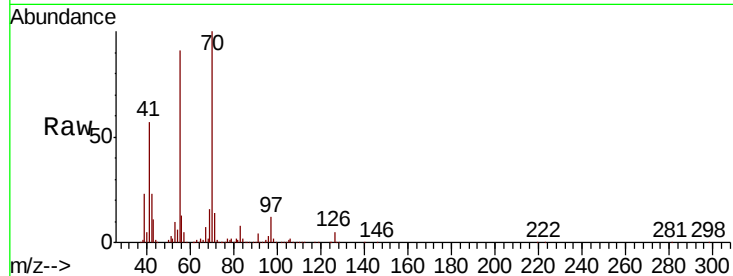




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.284 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

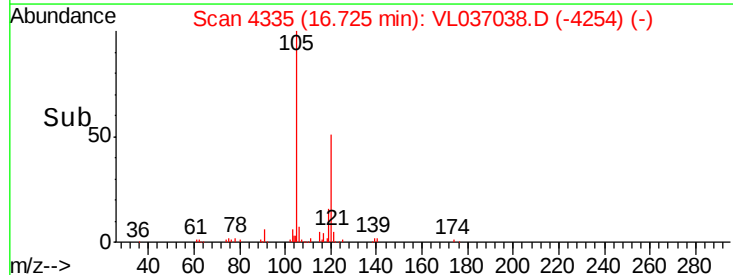
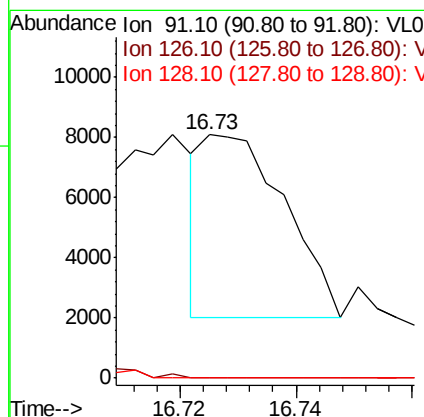
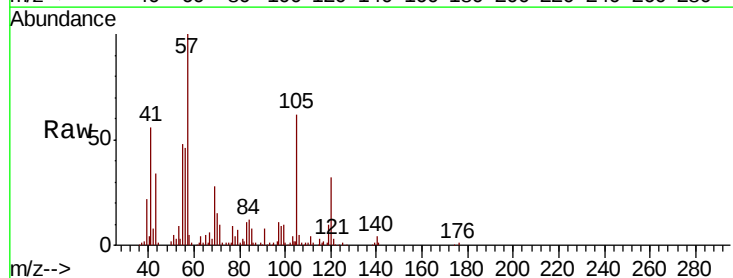
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11DUP

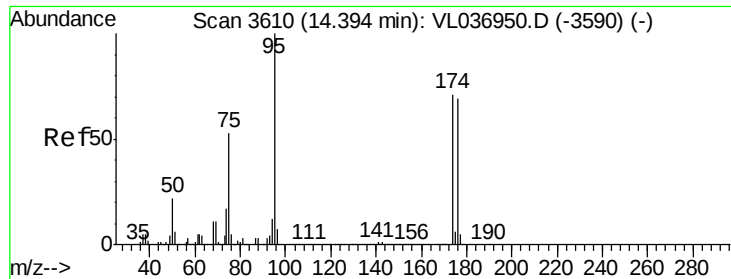
Tot Ion: 83 Resp: 72026
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 32.9 98.6#



#66
 Benzyl Chloride
 Concen: 0.243 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.24 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Tgt Ion: 91 Resp: 5922
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.5 24.7#
 128 0.0 5.5 8.3#

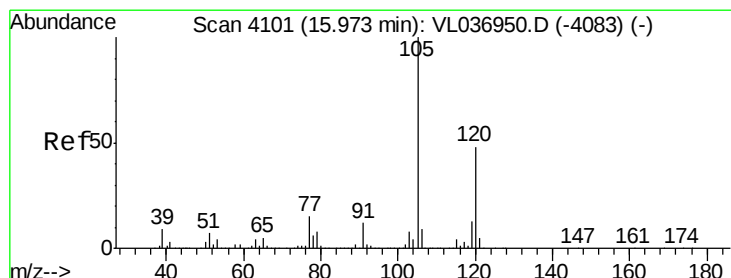
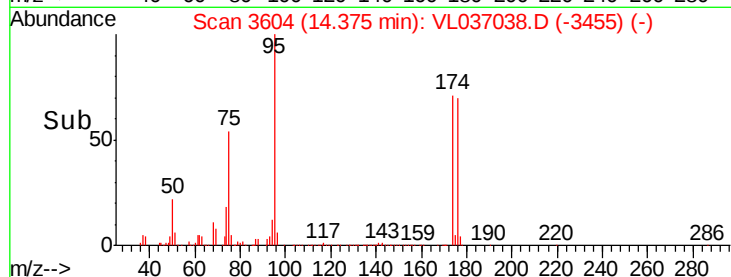
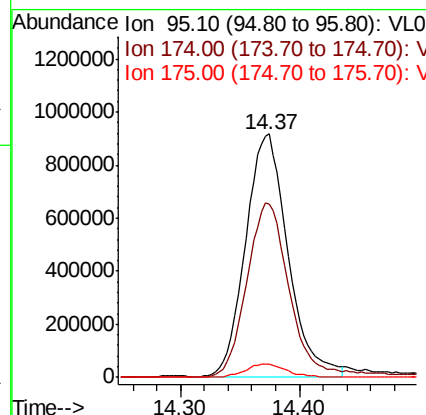
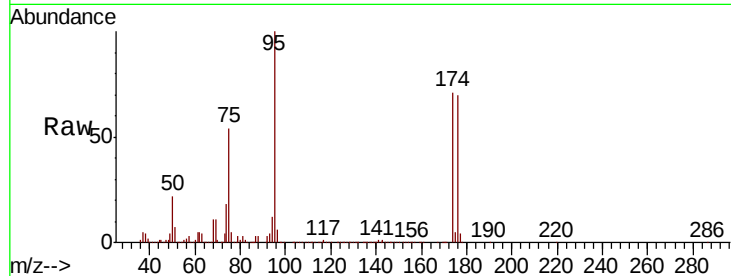




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.851 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.02 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

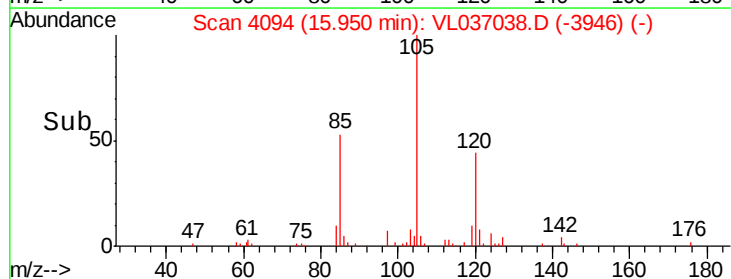
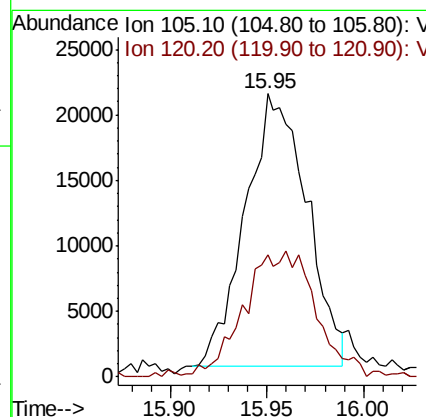
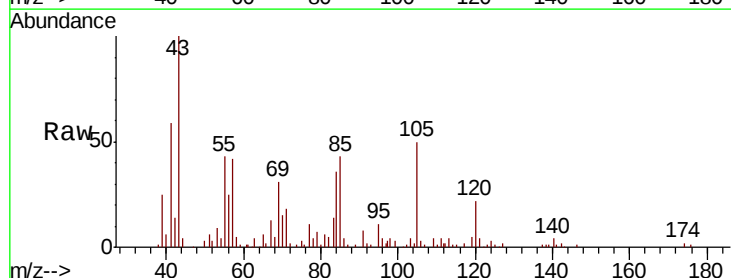
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-11DUP

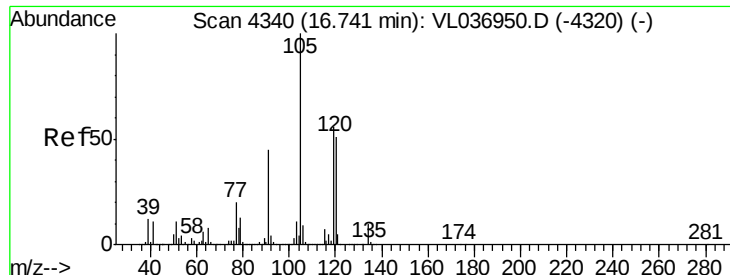
Tot Ion: 95 Resp: 2257169
 Ion Ratio Lower Upper
 95 100
 174 75.3 58.4 87.6
 175 5.7 4.4 6.6



#73
 1,3,5-Trimethylbenzene
 Concen: 0.122 ppbv
 RT: 15.95 min Scan# 4094
 Delta R.T. -0.02 min
 Lab File: VL037038.D
 Acq: 21 May 2021 00:11

Tgt Ion: 105 Resp: 46155
 Ion Ratio Lower Upper
 105 100
 120 43.9 38.6 58.0





#74

1,2,4-Trimethylbenzene

Concen: 0.395 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.02 min

Lab File: VL037038.D

Acq: 21 May 2021 00:11

Instrument :

MSVOA_L

ClientSampleId :

KSV-11DUP

Tot Ion:105 Resp: 154547

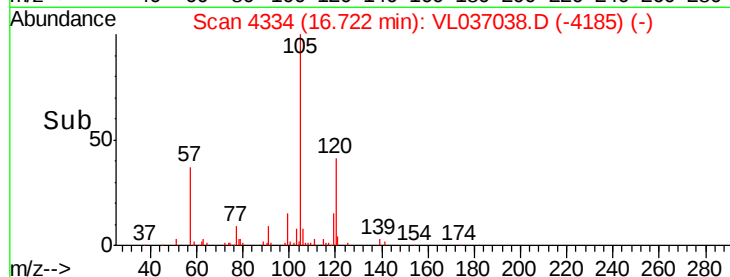
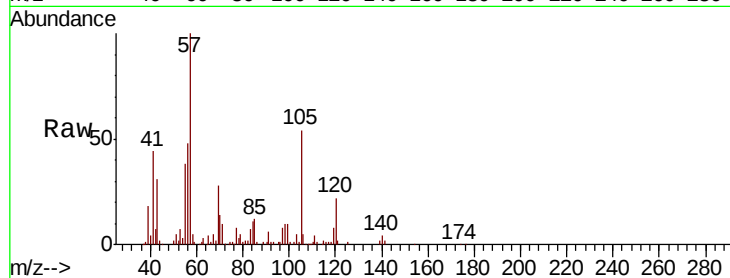
Ion Ratio Lower Upper

105 100

120 40.0 40.6 61.0#

91 9.6 37.4 56.0#

77 10.5 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

