

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037001.D
 Acq On : 19 May 2021 21:09
 Operator : SY/AP
 Sample : M2424-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01

Quant Time: May 20 06:32:28 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	5.66	49	1206293	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3499493	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3172952	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2429839	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	35660	0.174	ppbv #	85
3) Chlorodifluoromethane	2.97	51	32899	0.149	ppbv	96
4) Chloromethane	3.12	50	11637	0.155	ppbv #	86
9) Propene	2.99	41	947365	11.972	ppbv	99
10) Heptane	8.10	43	320318	1.624	ppbv	96
11) Trichlorofluoromethane	3.93	101	662401	3.497	ppbv	98
13) Ethanol	3.59	45	1332928	126.242	ppbv	92
15) Acetone	3.84	43	33512123	271.228	ppbv #	61
16) 1,3-Butadiene	3.29	39	3454746	45.005	ppbv #	16
17) tert-Butyl alcohol	4.28	59	1524608	13.471	ppbv	97
19) Isopropyl Alcohol	3.96	45	1160844	17.478	ppbv #	30
20) Methylene Chloride	4.34	84	464799	7.018	ppbv	96
21) Allyl Chloride	4.51	41	10058	0.108	ppbv #	1
23) Vinyl Acetate	5.05	43	74118	0.378	ppbv #	71
25) Ethyl Acetate	5.66	43	1423714	4.795	ppbv #	91
26) Hexane	5.66	57	956249	6.305	ppbv #	12
27) Carbon Disulfide	4.53	76	695177	4.548	ppbv	97
29) Chloroform	5.75	83	16183	0.076	ppbv	90
30) Cyclohexane	7.11	84	118867	0.922	ppbv #	76
34) 2-Butanone	5.23	43	4514038	35.425	ppbv	99
36) Benzene	6.88	78	8629234	28.628	ppbv	93
39) 1,2-Dichloropropane	7.82	63	19812	0.171	ppbv #	1
41) Tetrahydrofuran	5.96	42	13040	0.180	ppbv #	42
43) Methyl Methacrylate	8.04	69	173405	1.669	ppbv #	71
44) 2,2,4-Trimethylpentane	7.84	57	68785	0.133	ppbv #	42
50) 4-Methyl-2-Pentanone	8.73	43	112422	0.535	ppbv #	87
51) 2-Hexanone	10.11	43	585149	5.264	ppbv #	97
52) Tetrachloroethene	11.21	164	5910	0.049	ppbv #	82
53) Toluene	9.79	91	5099362	14.218	ppbv	100
58) Ethyl Benzene	12.69	91	384385	0.858	ppbv	99
59) m/p-Xylene	12.94	91	454989	1.229	ppbv	97
60) o-Xylene	13.67	91	145627	0.412	ppbv	96
61) Styrene	13.50	104	68908	0.346	ppbv #	88
63) 1,1,2,2-Tetrachloroethane	13.67	83	222640	0.844	ppbv #	25
64) n-propylbenzene	15.54	120	10506	0.080	ppbv #	1
65) tert-Butylbenzene	16.74	119	23126	0.051	ppbv #	10
66) Benzyl Chloride	16.95	91	1307	0.051	ppbv #	62
72) 4-Ethyltoluene	15.82	105	77226	0.184	ppbv #	85
73) 1,3,5-Trimethylbenzene	15.98	105	82356	0.209	ppbv	90
74) 1,2,4-Trimethylbenzene	16.75	105	239662	0.589	ppbv #	72

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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

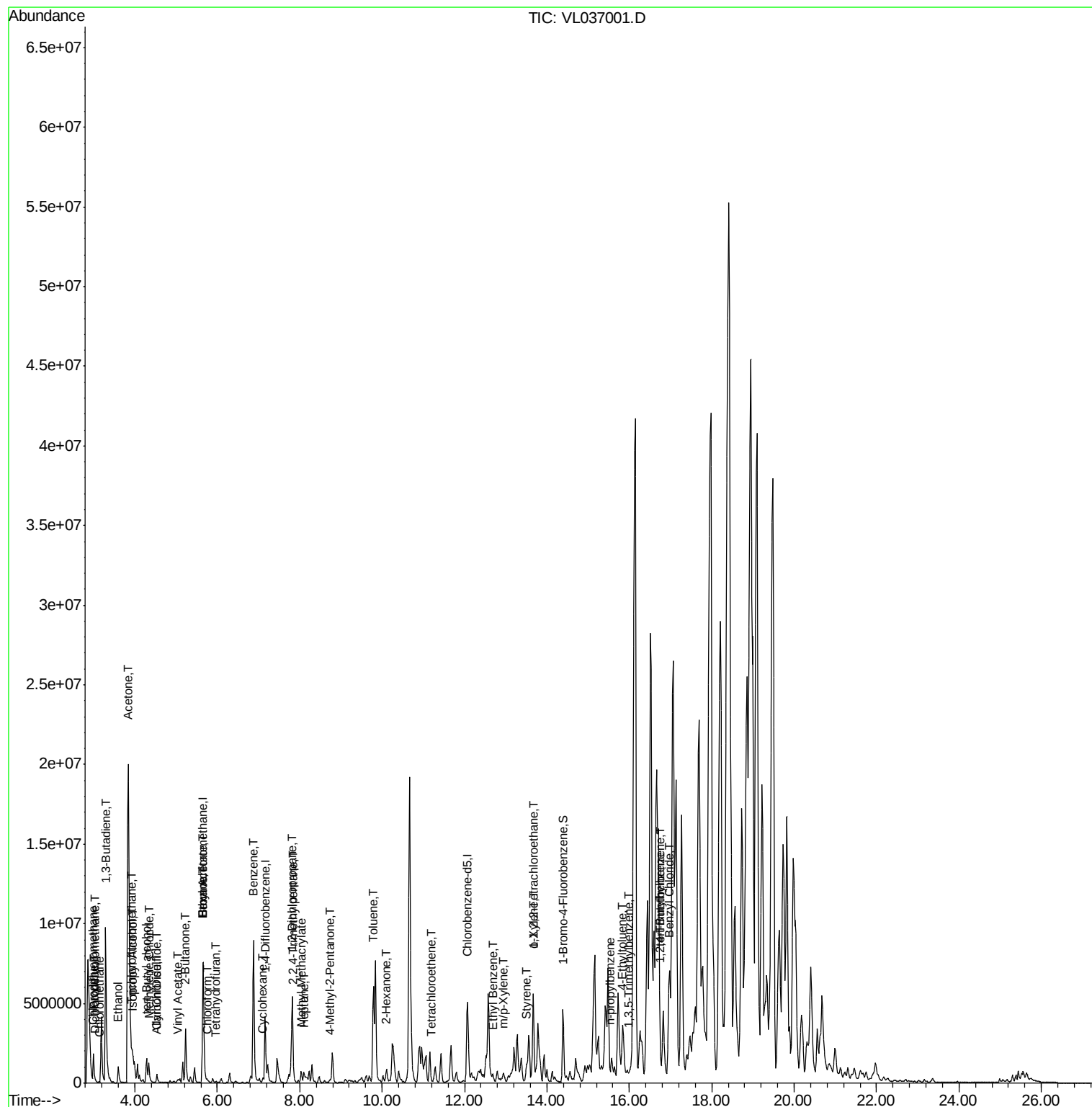
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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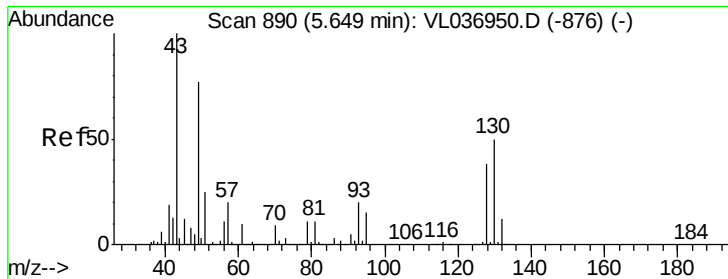
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

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KSV-01

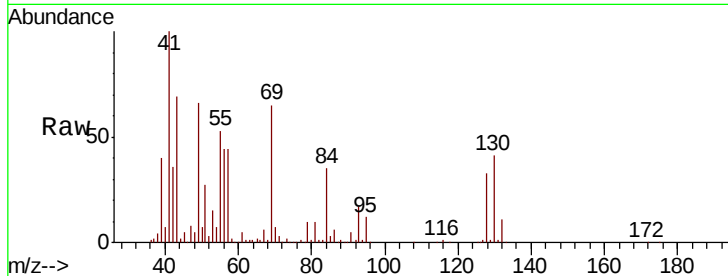
Tot Ion: 49 Resp: 1206293

Ion Ratio Lower Upper

49 100

128 52.5 26.9 80.7

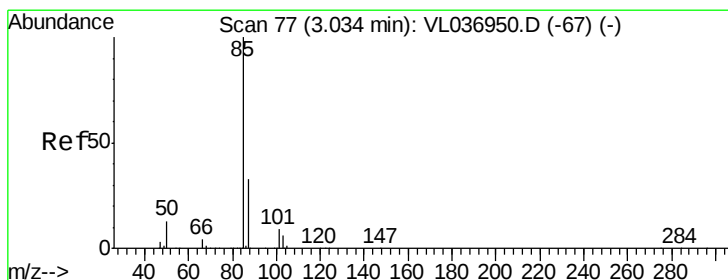
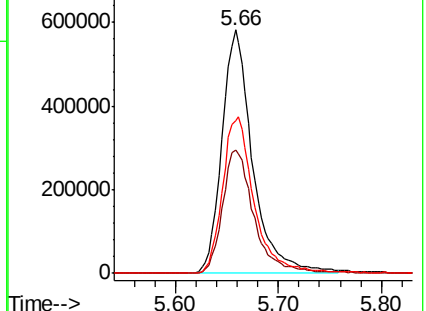
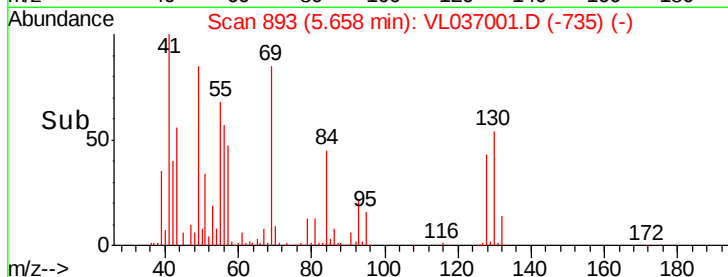
130 66.5 33.8 101.4



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: 0.174 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037001.D

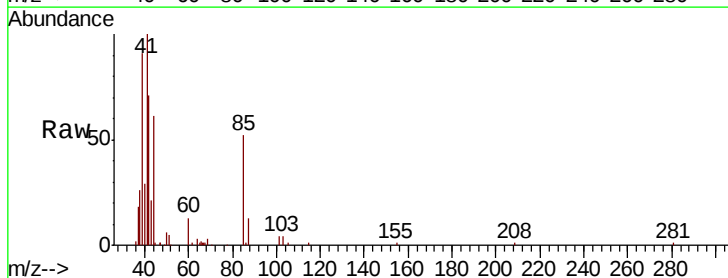
Acq: 19 May 2021 21:09

Tgt Ion: 85 Resp: 35660

Ion Ratio Lower Upper

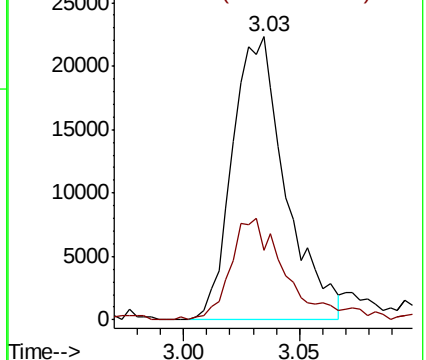
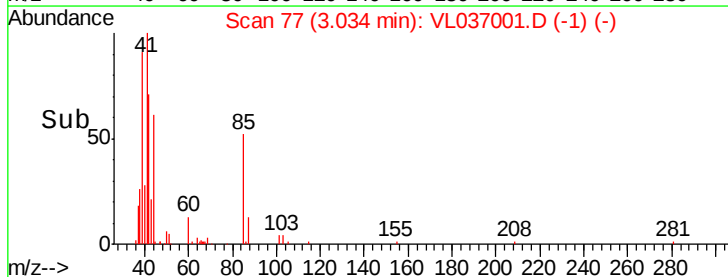
85 100

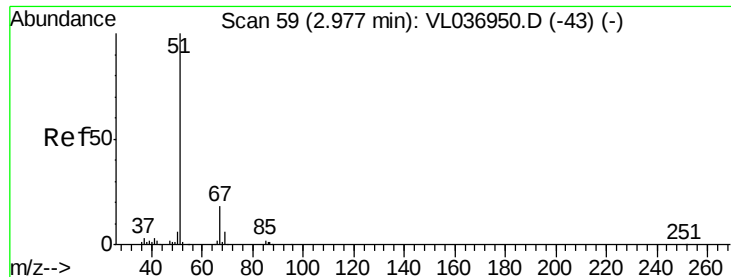
87 24.4 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

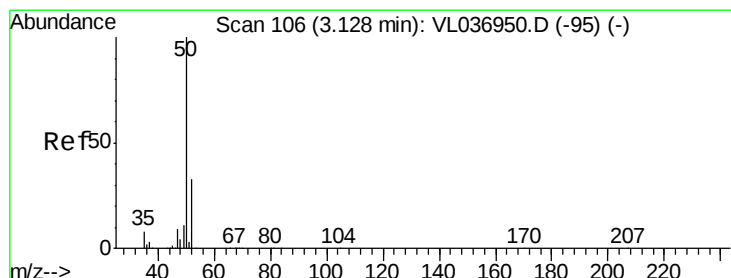
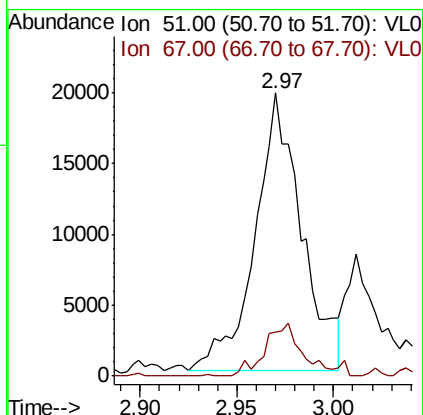
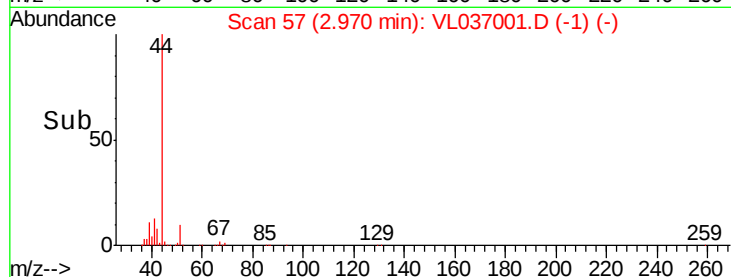
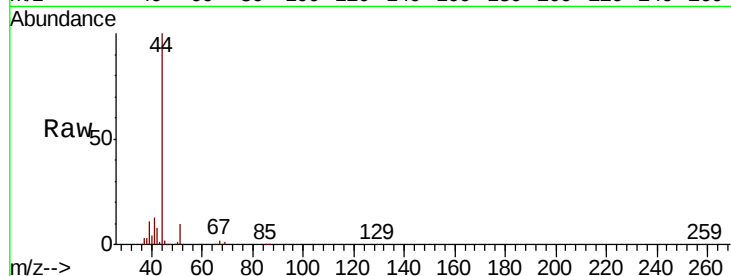




#3
Chlorodifluoromethane
Concen: 0.149 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

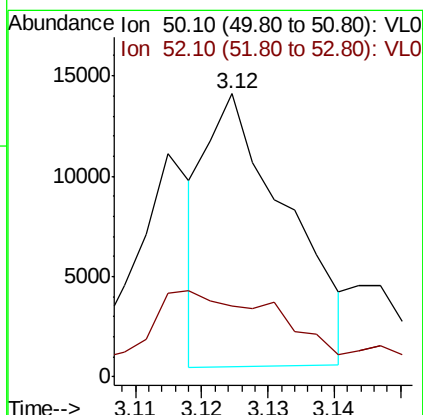
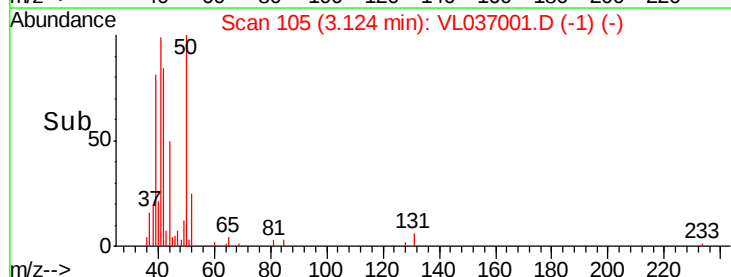
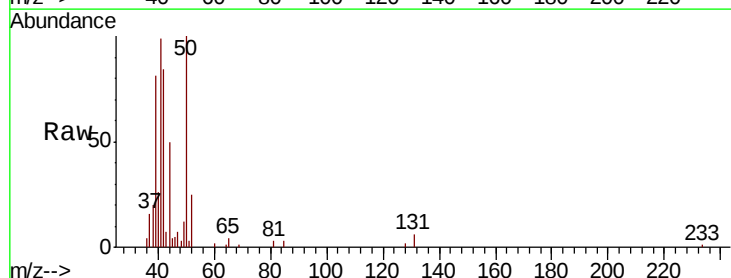
Instrument :
MSVOA_L
ClientSampleId :
KSV-01

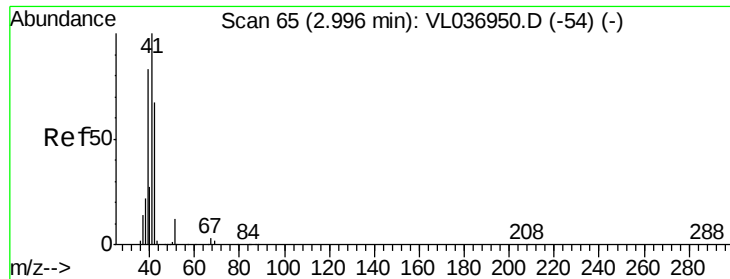
Tot Ion: 51 Resp: 32899
Ion Ratio Lower Upper
51 100
67 16.2 14.6 21.8



#4
Chloromethane
Concen: 0.155 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Tgt Ion: 50 Resp: 11637
Ion Ratio Lower Upper
50 100
52 24.6 26.1 39.1#





#9

Propene

Concen: 11.972 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

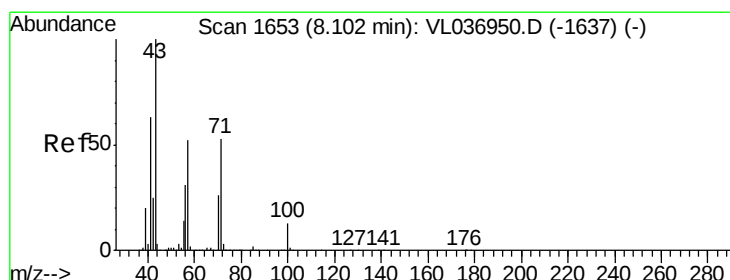
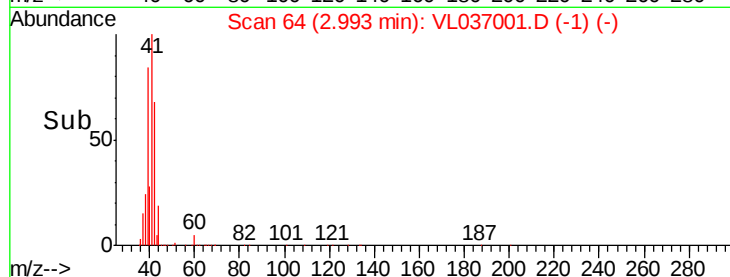
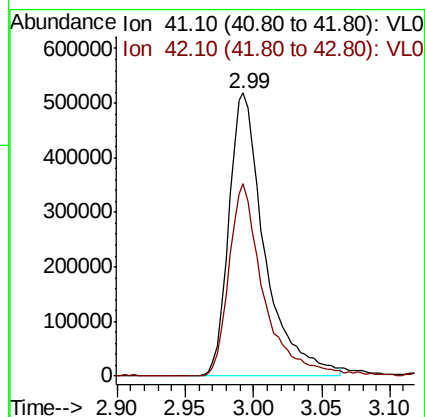
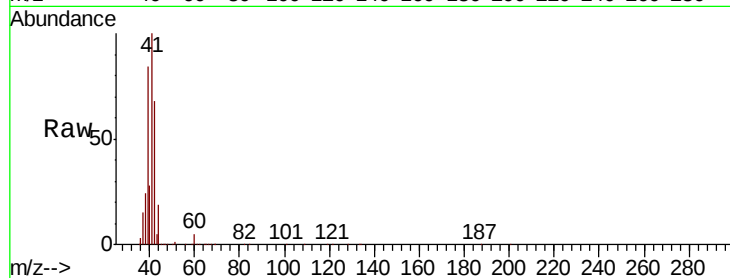
KSV-01

Tot Ion: 41 Resp: 947365

Ion Ratio Lower Upper

41 100

42 66.3 53.9 80.9



#10

Heptane

Concen: 1.624 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037001.D

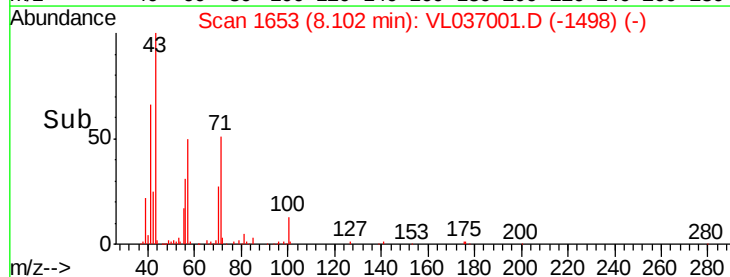
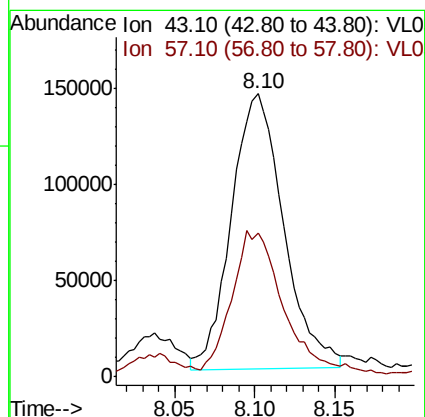
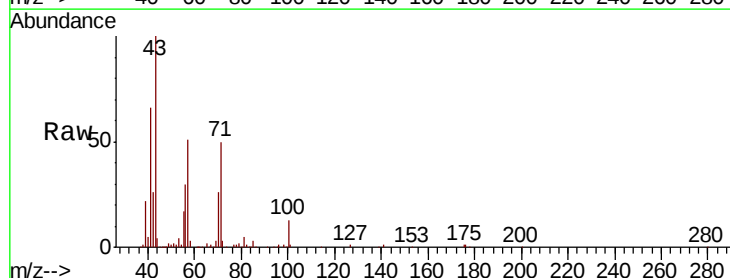
Acq: 19 May 2021 21:09

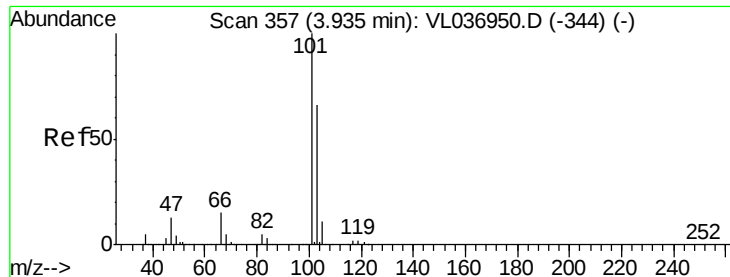
Tgt Ion: 43 Resp: 320318

Ion Ratio Lower Upper

43 100

57 54.0 41.0 61.6

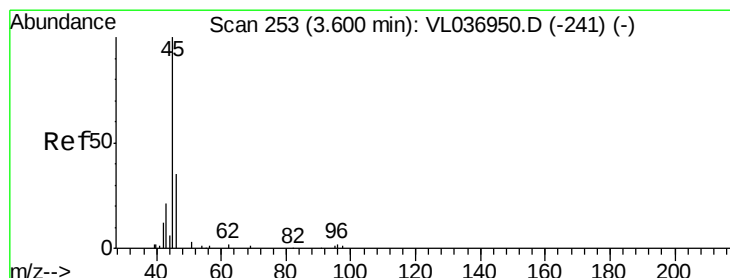
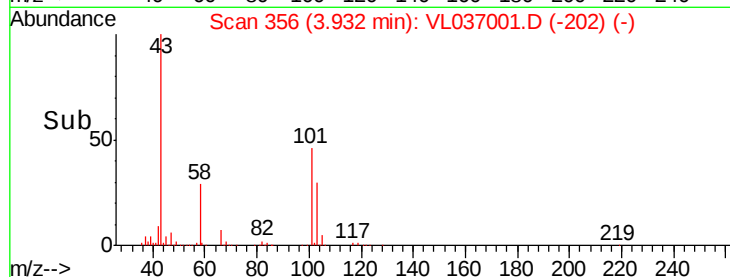
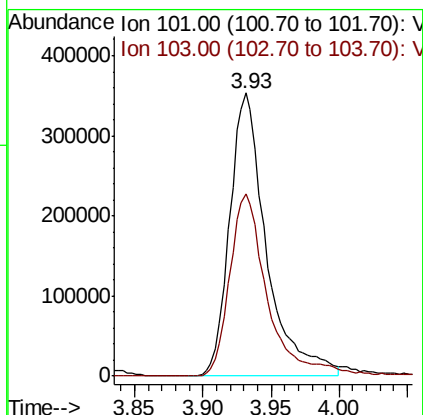
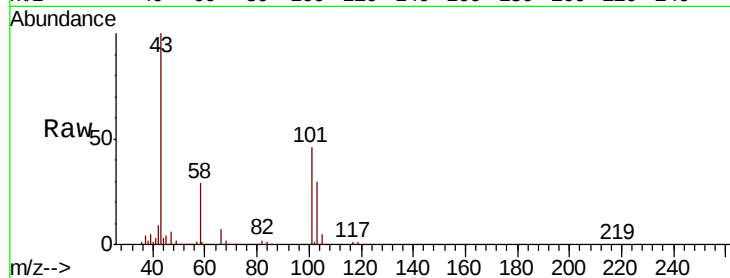




#11
 Trichlorofluoromethane
 Concen: 3.497 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

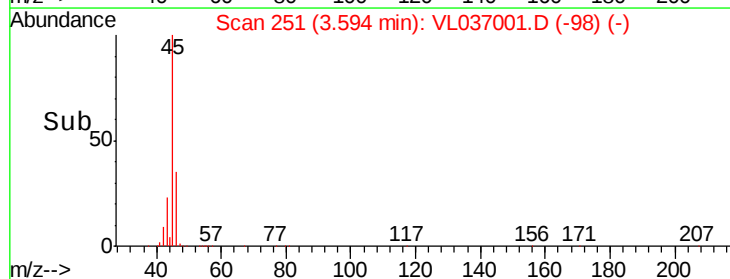
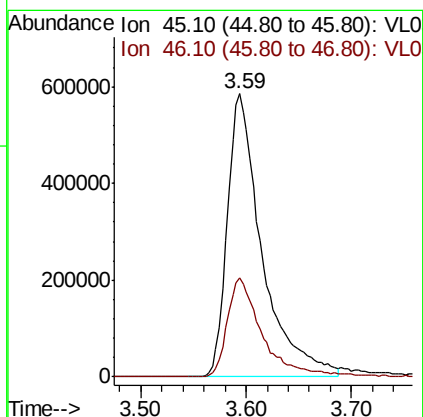
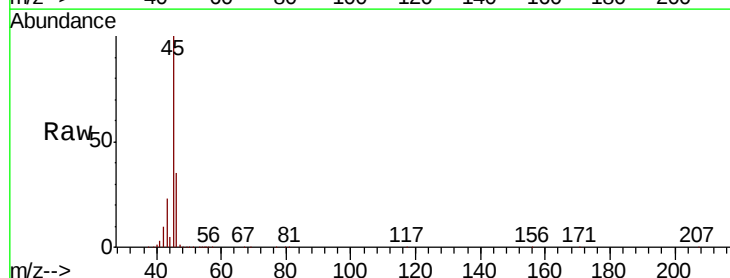
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01

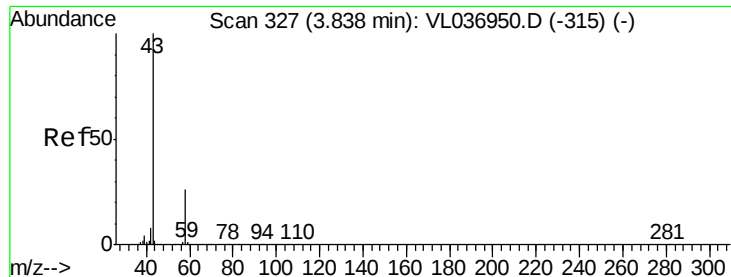
Tot Ion:101 Resp: 662401
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0



#13
 Ethanol
 Concen: 126.242 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

Tgt Ion: 45 Resp: 1332928
 Ion Ratio Lower Upper
 45 100
 46 35.8 16.3 65.3





#15

Acetone

Concen: 271.228 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

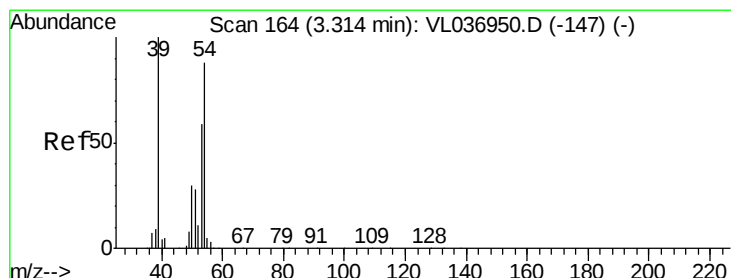
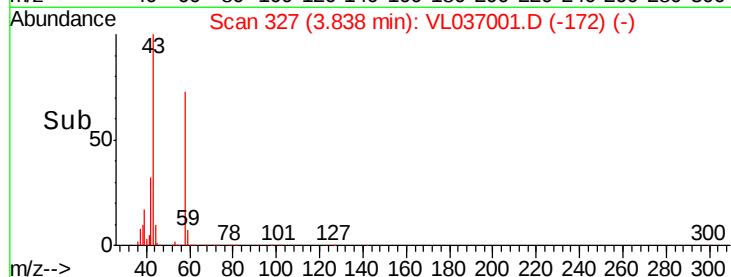
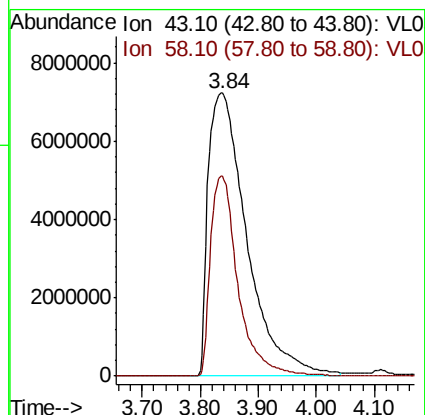
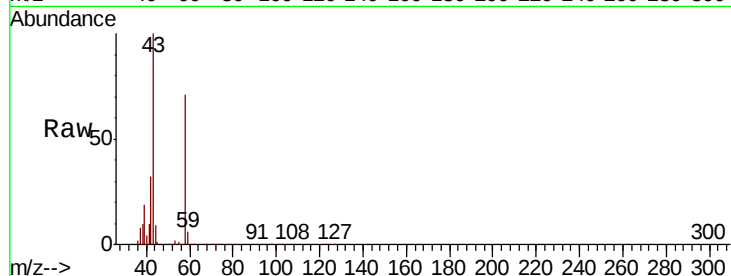
KSV-01

Tot Ion: 43 Resp:33512123

Ion Ratio Lower Upper

43 100

58 50.9 24.0 36.0#



#16

1,3-Butadiene

Concen: 45.005 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.02 min

Lab File: VL037001.D

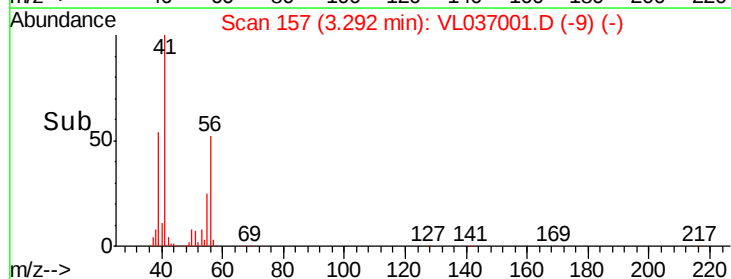
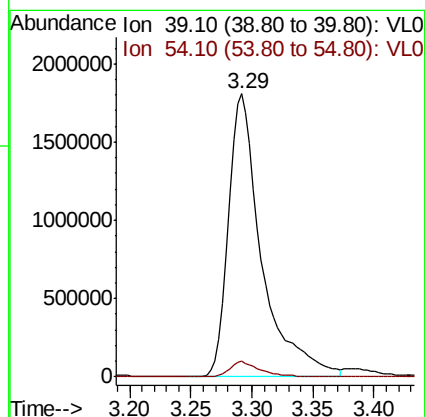
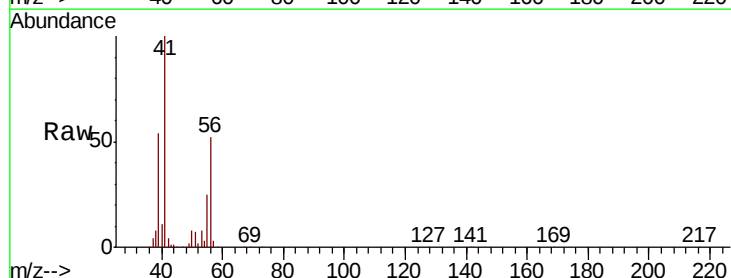
Acq: 19 May 2021 21:09

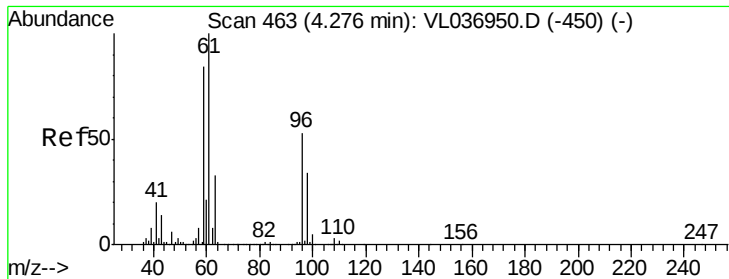
Tgt Ion: 39 Resp: 3454746

Ion Ratio Lower Upper

39 100

54 5.2 63.2 94.8#



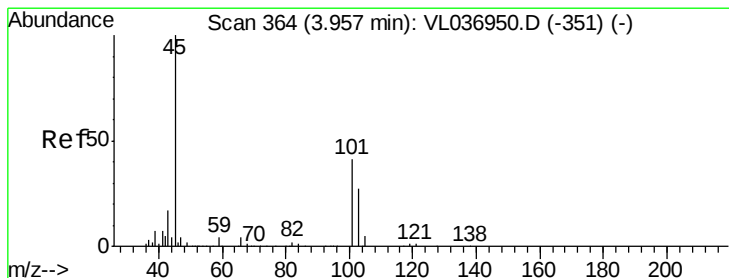
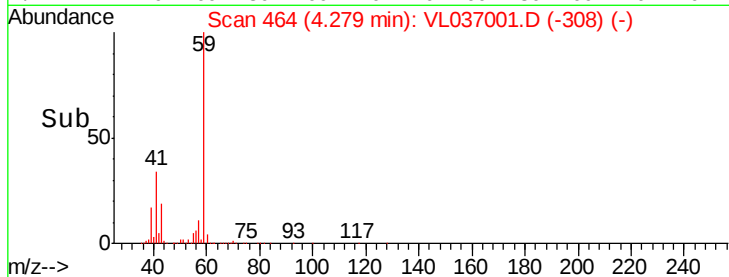
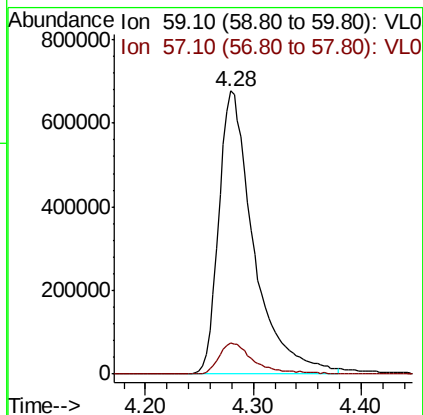
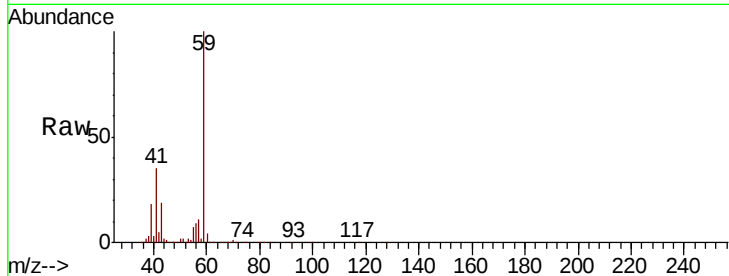


#17

tert-Butyl alcohol
Concen: 13.471 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Instrument :
MSVOA_L
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KSV-01

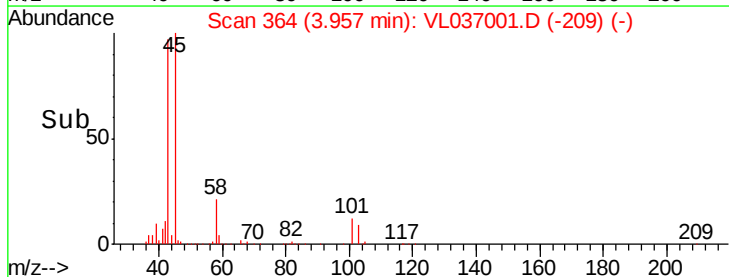
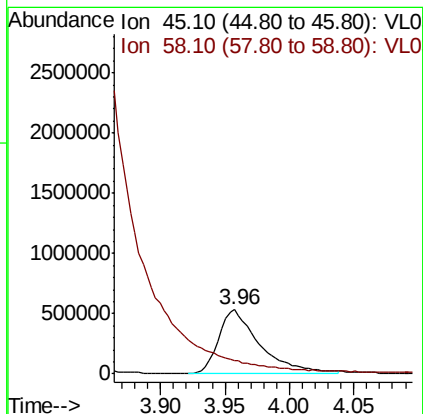
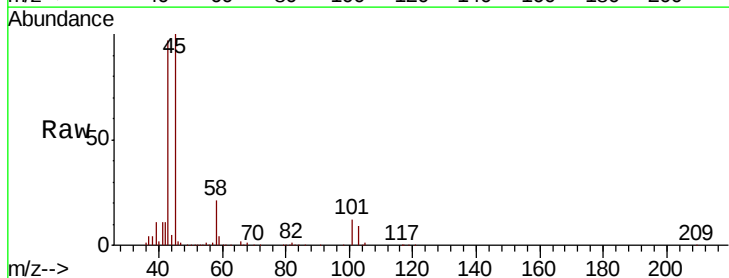
Tot Ion: 59 Resp: 1524608
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5

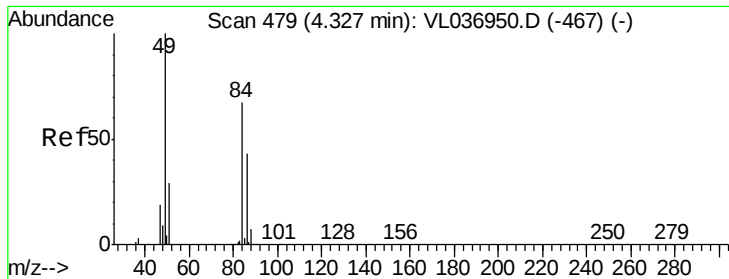


#19

Isopropyl Alcohol
Concen: 17.478 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Tgt Ion: 45 Resp: 1160844
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#

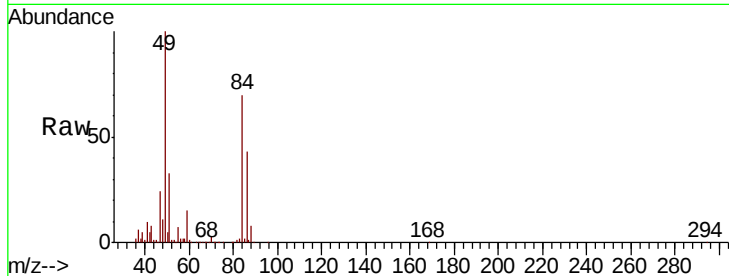




#20
Methylene Chloride
Concen: 7.018 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Instrument :
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ClientSampleId :
KSV-01

Tot Ion:	84	Resp:	464799
Ion	Ratio	Lower	Upper
84	100		
49	142.2	119.8	179.6
51	45.5	35.1	52.7
86	61.9	50.9	76.3



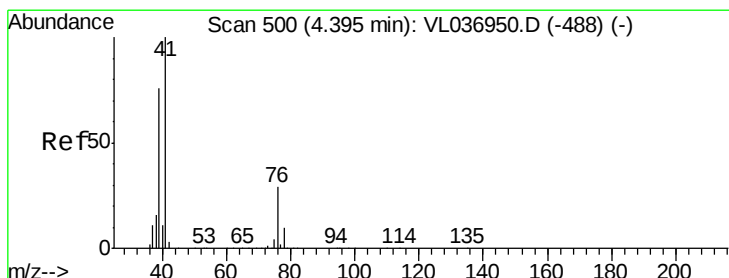
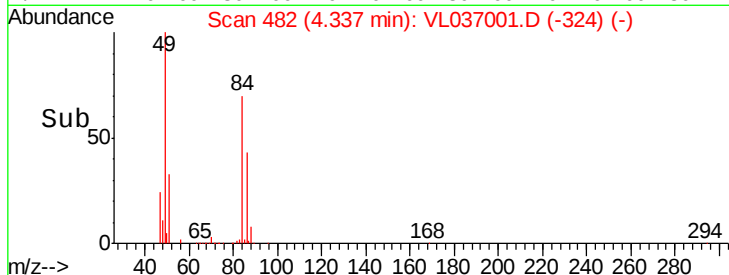
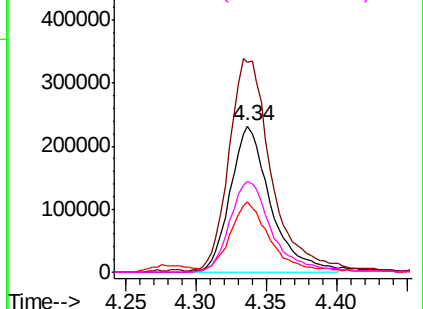
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

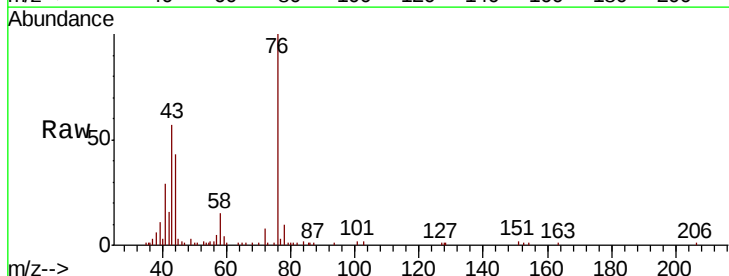
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.108 ppbv
RT: 4.51 min Scan# 535
Delta R.T. 0.11 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Tgt Ion:	41	Resp:	10058
Ion	Ratio	Lower	Upper
41	100		
76	7149.7	24.9	37.3#
39	0.0	63.7	95.5#

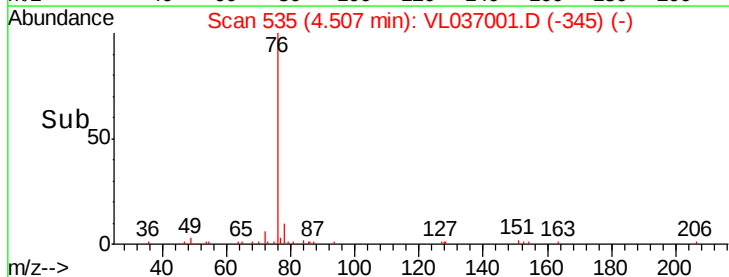
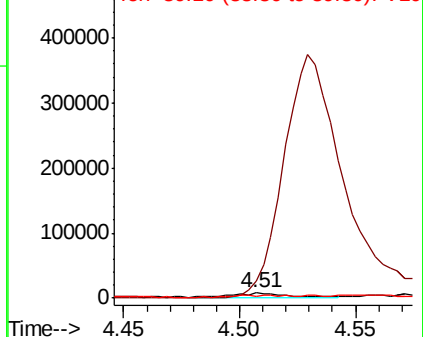


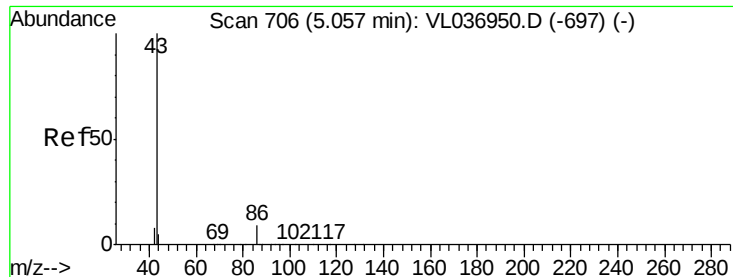
Abundance

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

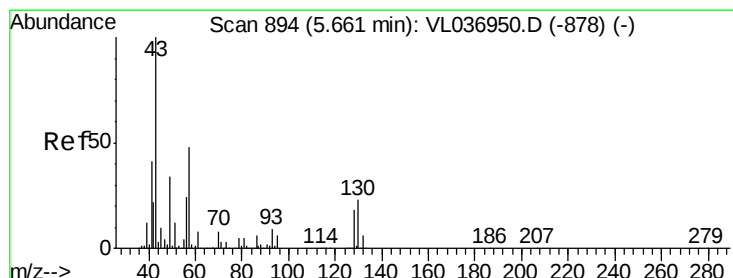
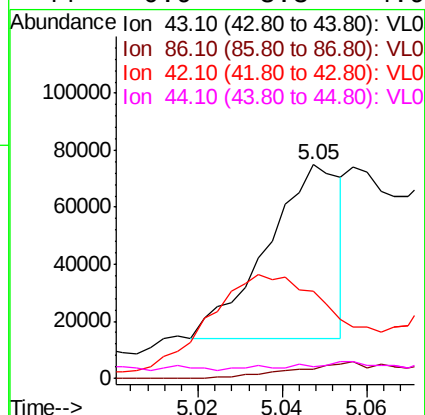
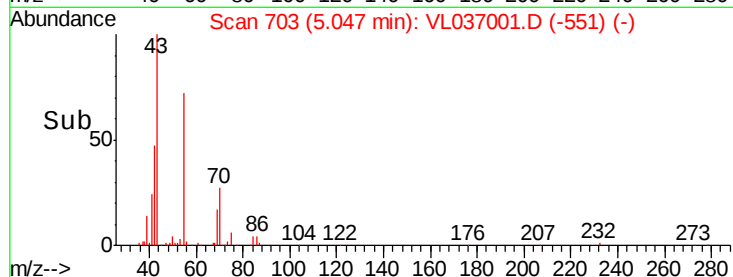
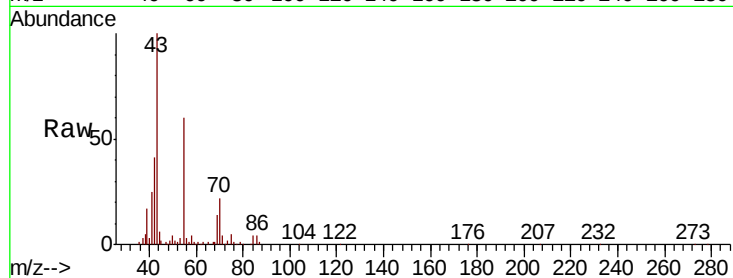




#23
 Vinyl Acetate
 Concen: 0.378 ppbv
 RT: 5.05 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

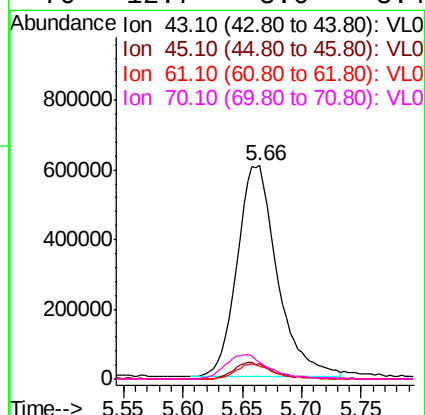
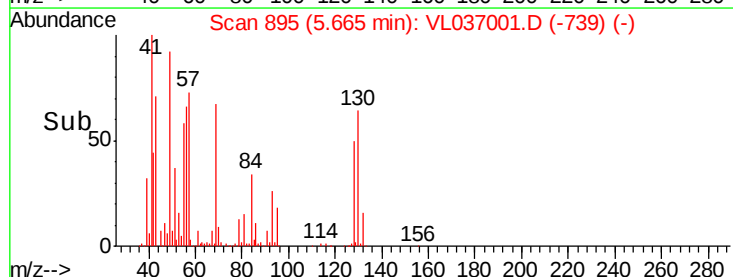
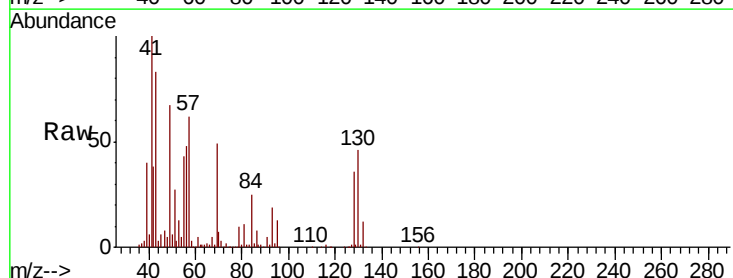
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01

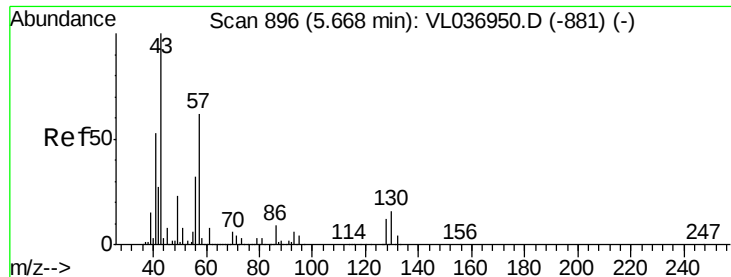
Tot Ion:	43	Resp:	74118
Ion	Ratio	Lower	Upper
43	100		
86	5.0	5.8	8.8#
42	29.4	7.4	11.2#
44	0.9	3.3	4.9#



#25
 Ethyl Acetate
 Concen: 4.795 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

Tgt Ion:	43	Resp:	1423714
Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.8	11.8#
61	6.8	7.8	11.8#
70	12.7	5.6	8.4#

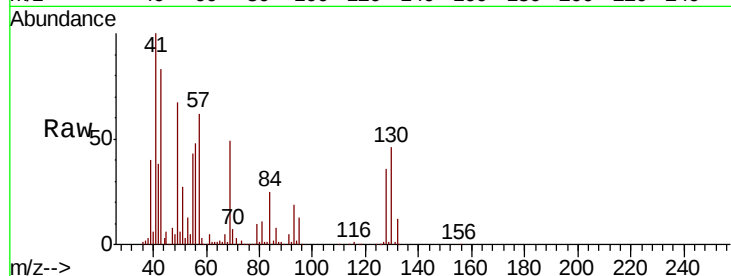




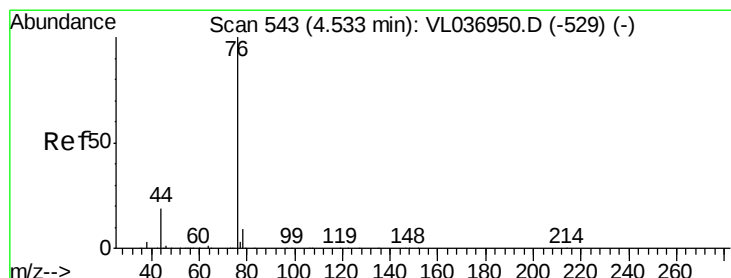
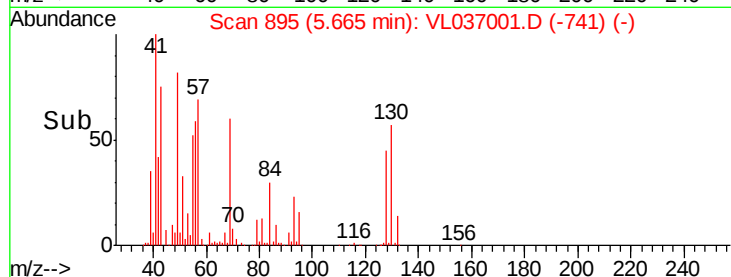
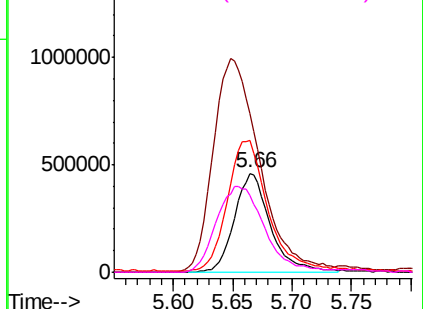
#26
Hexane
Concen: 6.305 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Instrument :
MSVOA_L
ClientSampleId :
KSV-01

Tot Ion: 57 Resp: 956249
Ion Ratio Lower Upper
57 100
41 284.8 70.5 105.7#
43 155.2 165.8 248.8#
56 120.7 42.2 63.4#

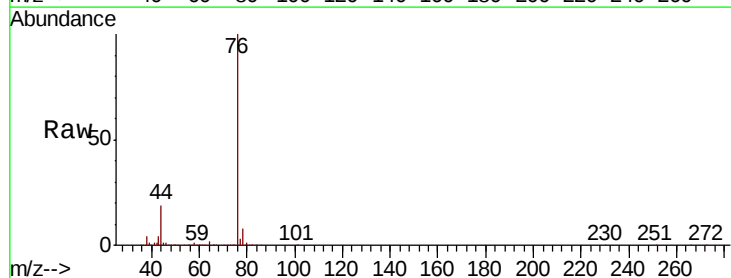


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

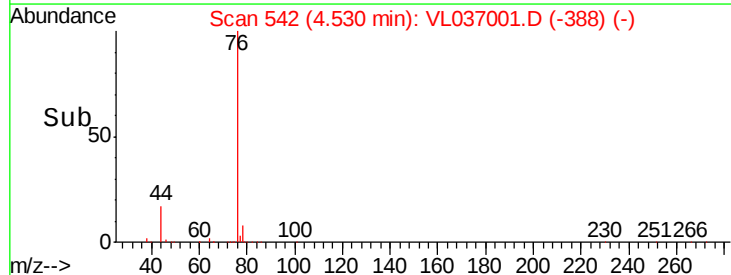
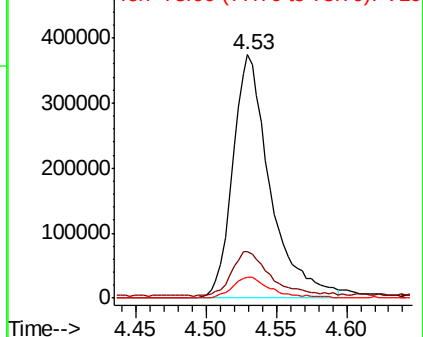


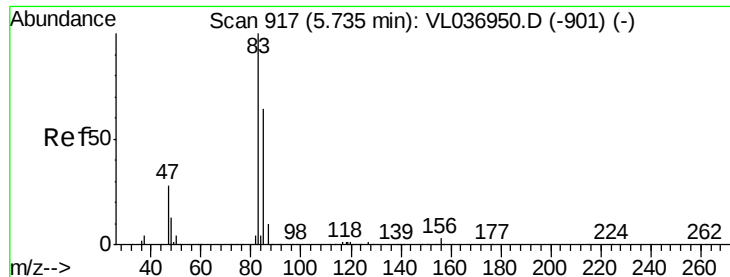
#27
Carbon Disulfide
Concen: 4.548 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Tgt Ion: 76 Resp: 695177
Ion Ratio Lower Upper
76 100
44 21.1 15.5 23.3
78 9.2 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: 0.076 ppbv

RT: 5.75 min Scan# 921

Delta R.T. 0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

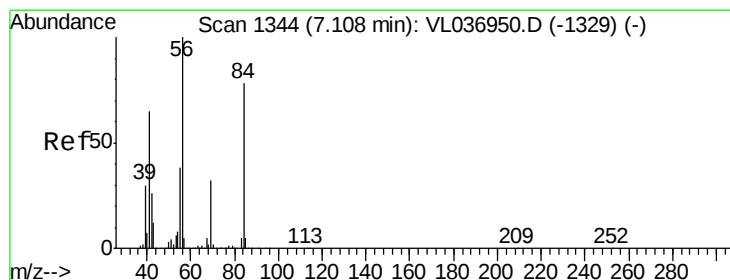
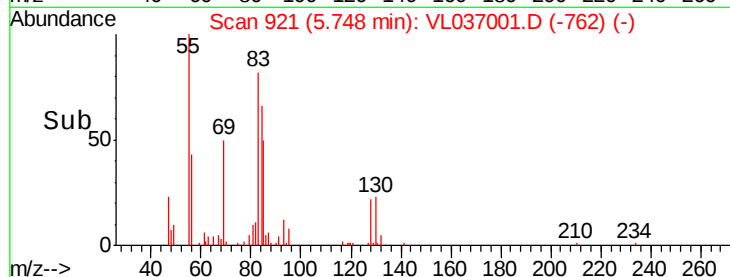
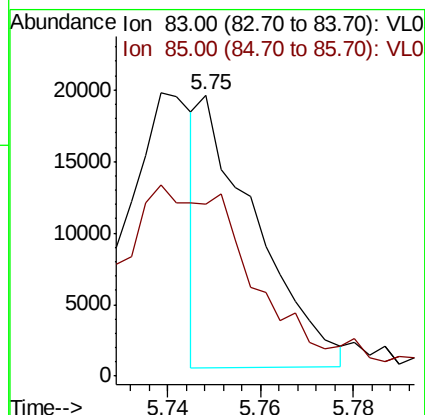
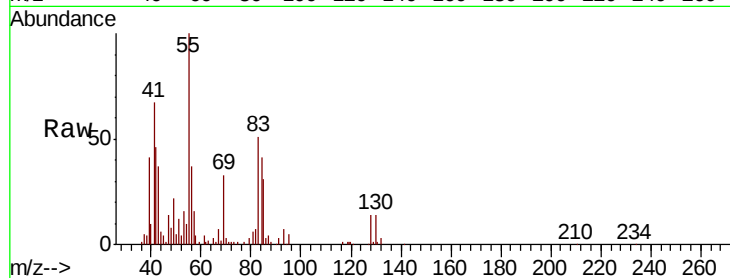
KSV-01

Tot Ion: 83 Resp: 16183

Ion Ratio Lower Upper

83 100

85 56.5 51.1 76.7



#30

Cyclohexane

Concen: 0.922 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

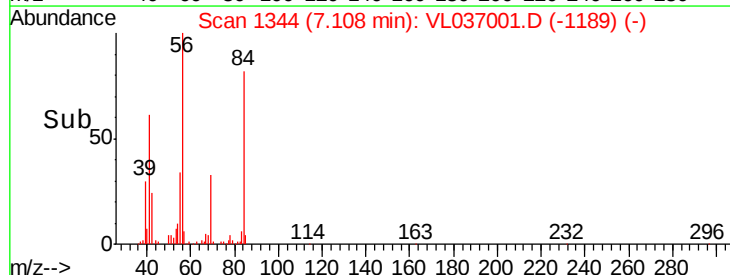
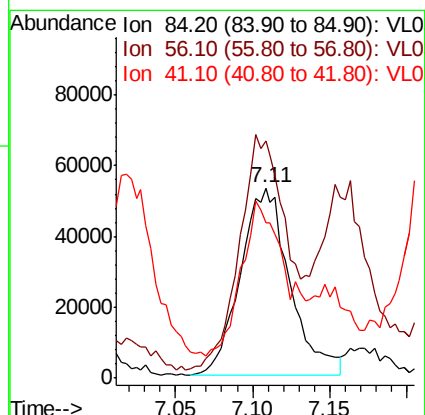
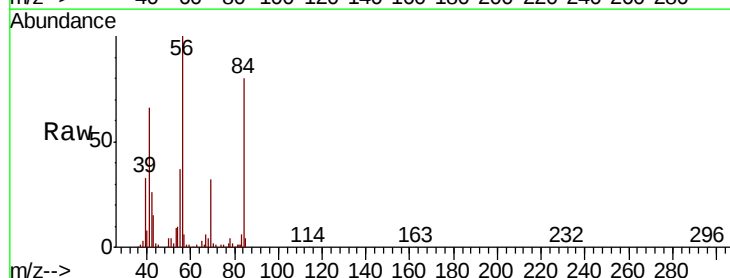
Tgt Ion: 84 Resp: 118867

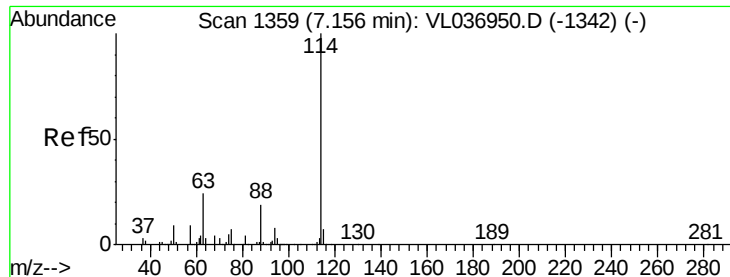
Ion Ratio Lower Upper

84 100

56 121.5 107.9 161.9

41 121.3 65.5 98.3#

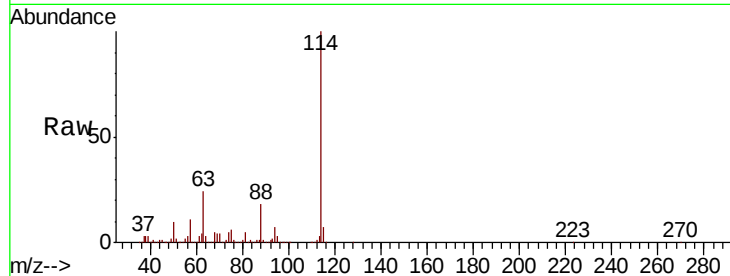




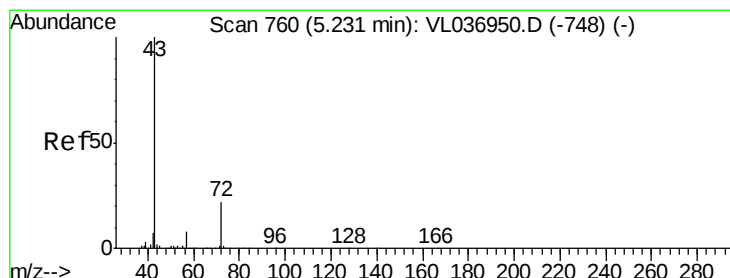
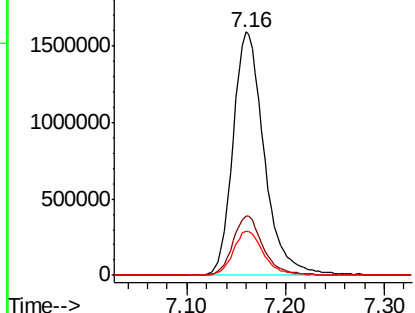
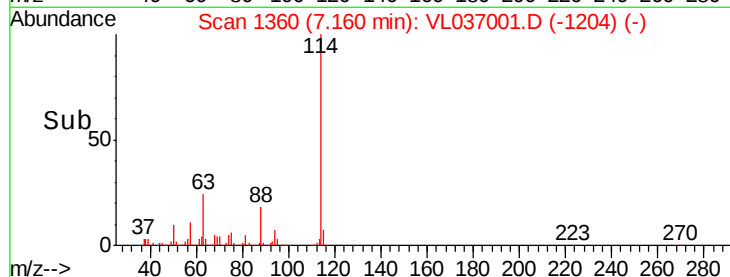
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01

Tot Ion:114 Resp: 3499493
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.6 29.4
 88 17.9 14.6 21.8

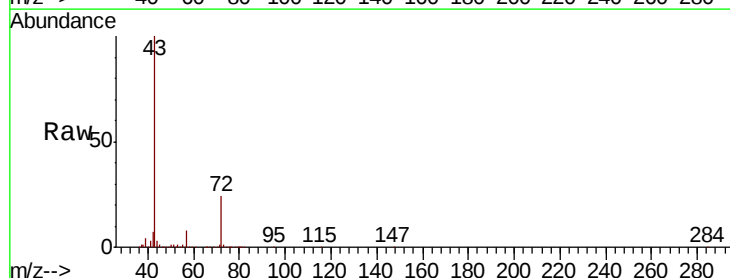


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

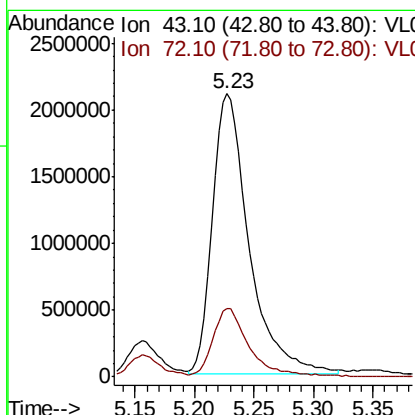
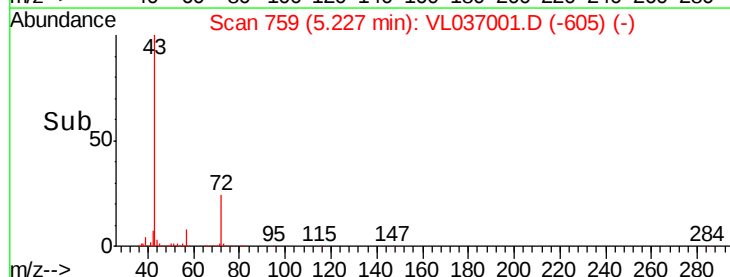


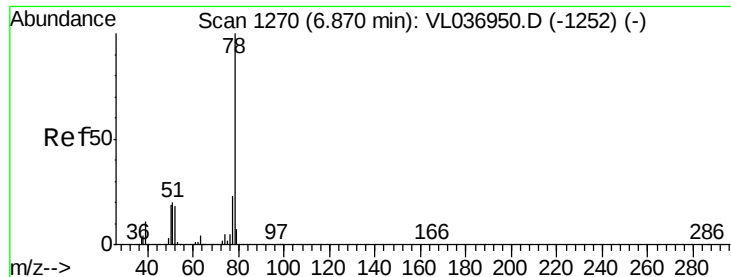
#34
 2-Butanone
 Concen: 35.425 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

Tgt Ion: 43 Resp: 4514038
 Ion Ratio Lower Upper
 43 100
 72 24.3 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 28.628 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

KSV-01

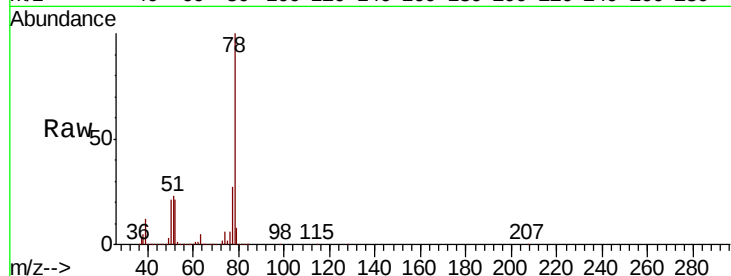
Tot Ion: 78 Resp: 8629234

Ion Ratio Lower Upper

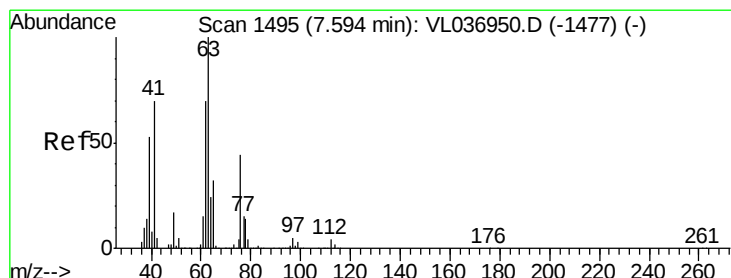
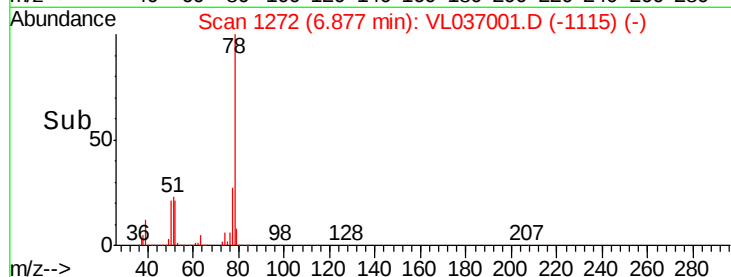
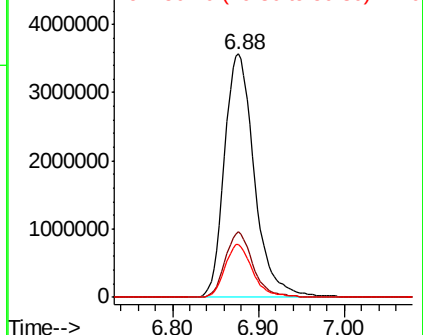
78 100

77 26.8 18.6 28.0

50 21.4 15.0 22.4



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 0.171 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.23 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

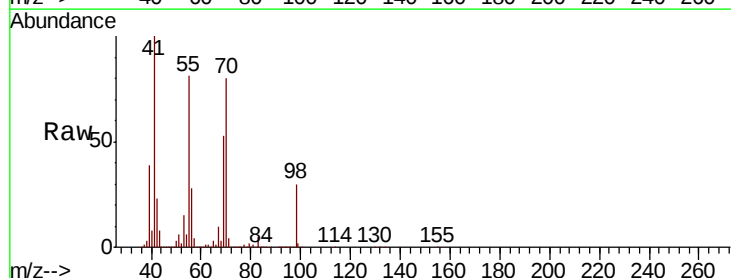
Tgt Ion: 63 Resp: 19812

Ion Ratio Lower Upper

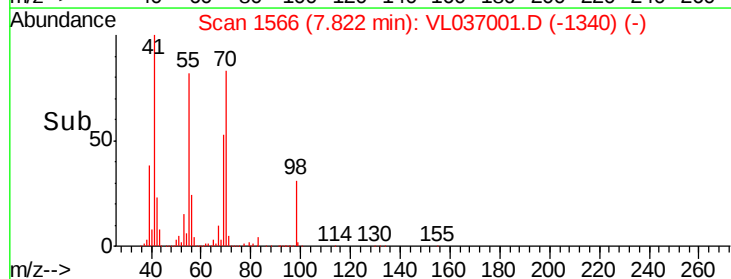
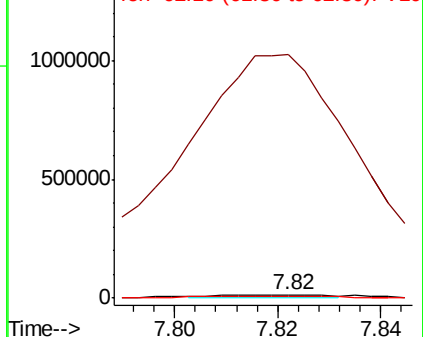
63 100

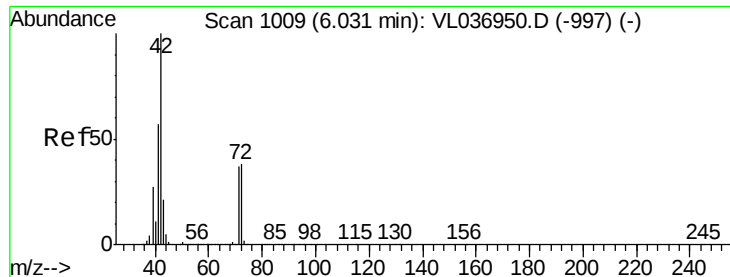
41 4899.5 55.7 83.5#

62 15.0 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: 0.180 ppbv

RT: 5.96 min Scan# 987

Delta R.T. -0.07 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

KSV-01

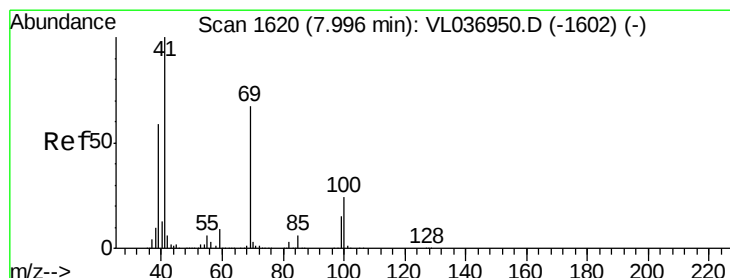
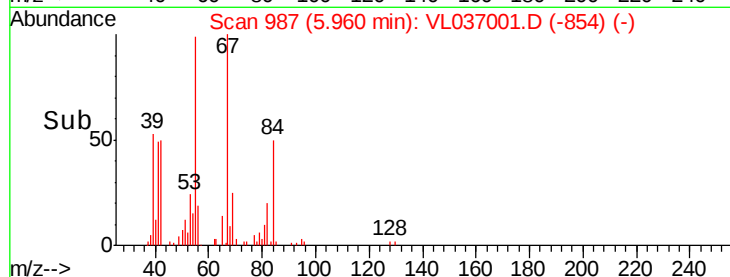
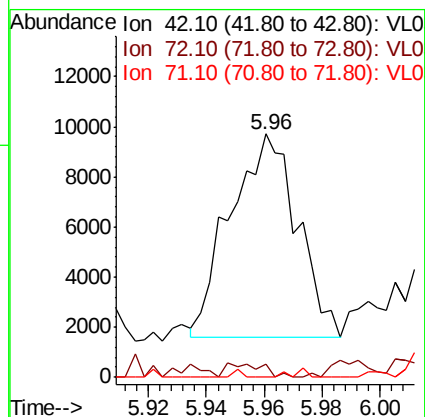
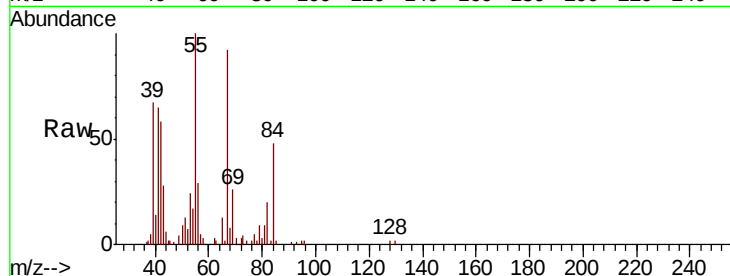
Tot Ion: 42 Resp: 13040

Ion Ratio Lower Upper

42 100

72 7.1 31.4 47.2#

71 0.0 30.4 45.6#



#43

Methyl Methacrylate

Concen: 1.669 ppbv

RT: 8.04 min Scan# 1633

Delta R.T. 0.04 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

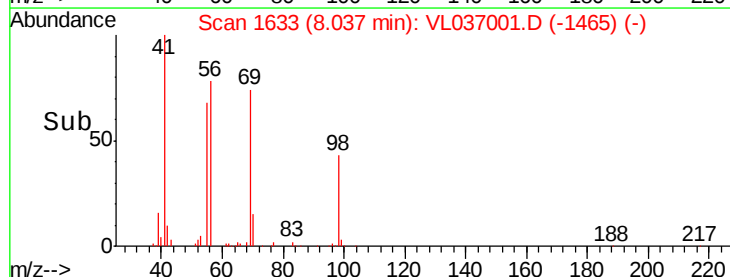
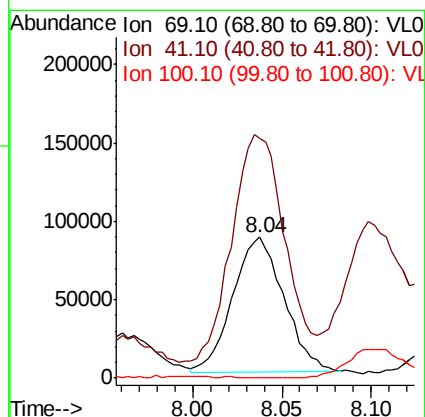
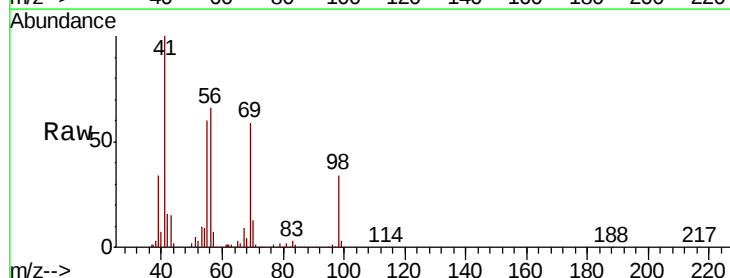
Tgt Ion: 69 Resp: 173405

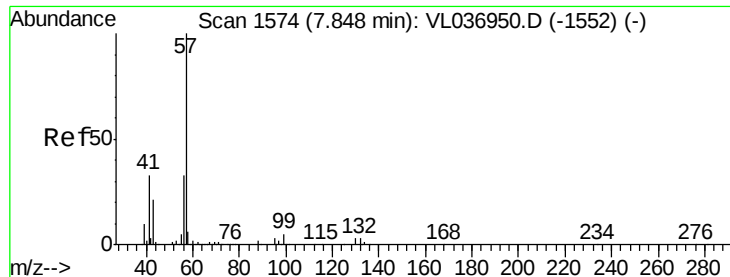
Ion Ratio Lower Upper

69 100

41 176.2 118.6 178.0

100 1.0 28.2 42.4#

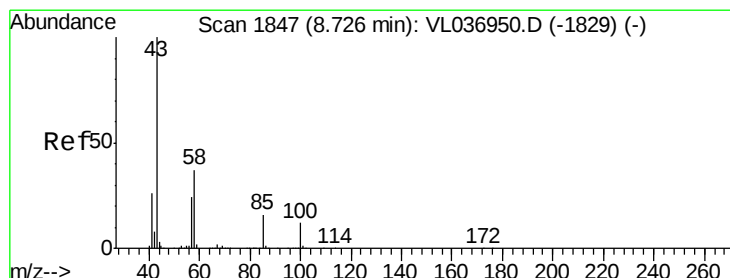
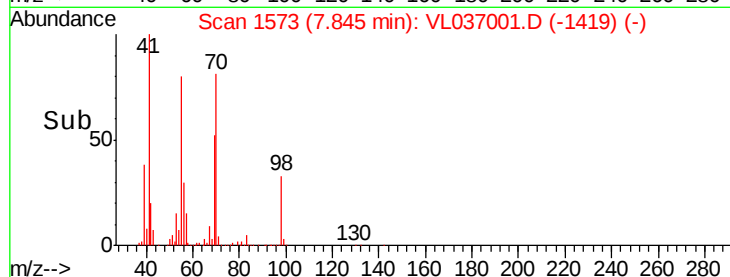
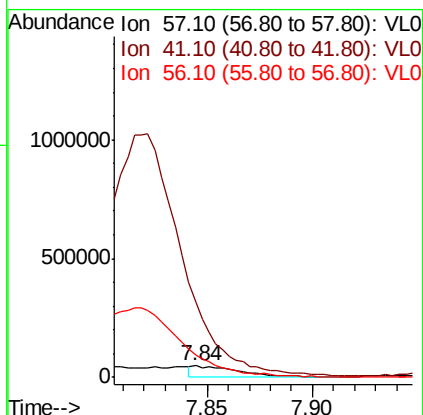
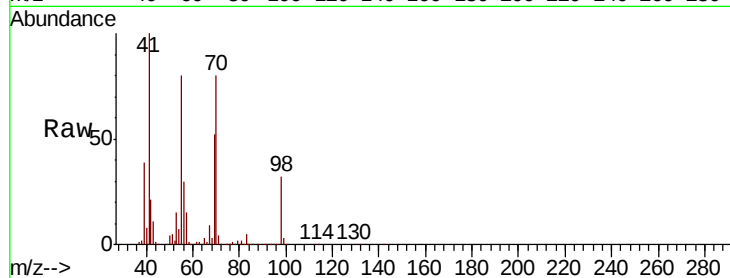




#44
 2,2,4-Trimethylpentane
 Concen: 0.133 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

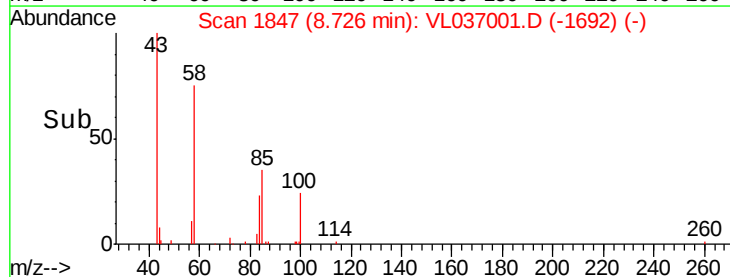
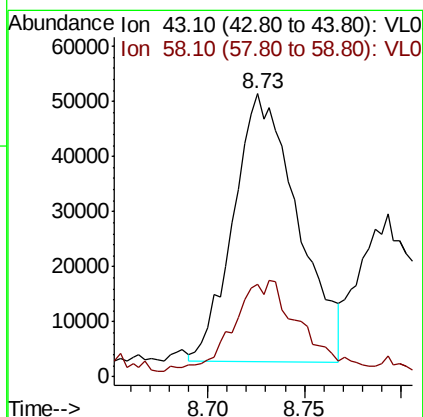
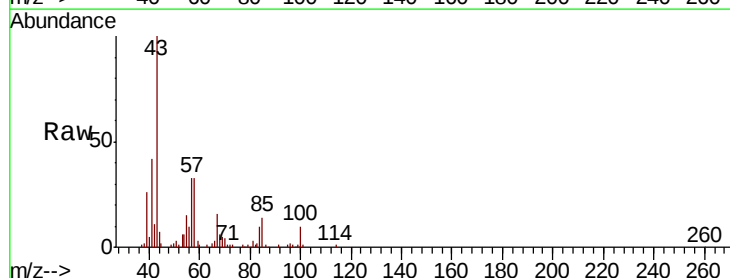
Instrument :
 MSVOA_L
 ClientSampleID :
 KSV-01

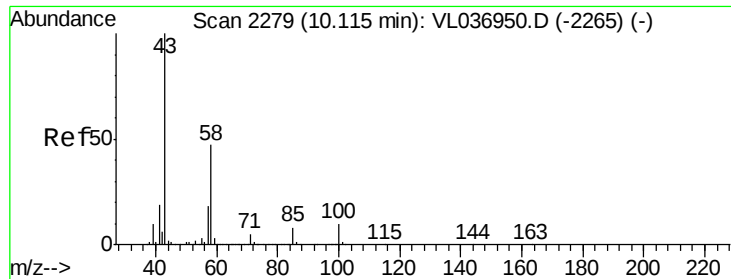
Tot Ion: 57 Resp: 68785
 Ion Ratio Lower Upper
 57 100
 41 0.0 27.0 40.4#
 56 0.0 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.535 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

Tgt Ion: 43 Resp: 112422
 Ion Ratio Lower Upper
 43 100
 58 44.5 29.4 44.2#

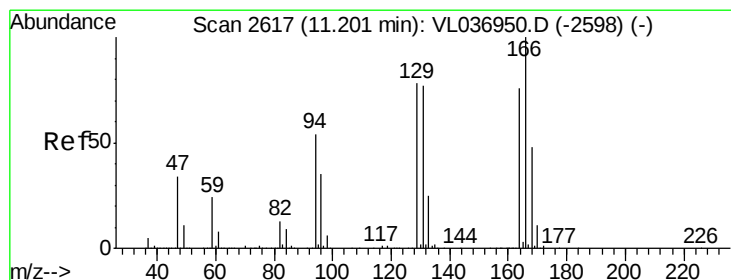
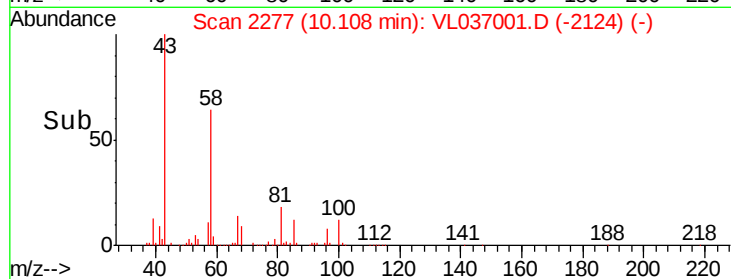
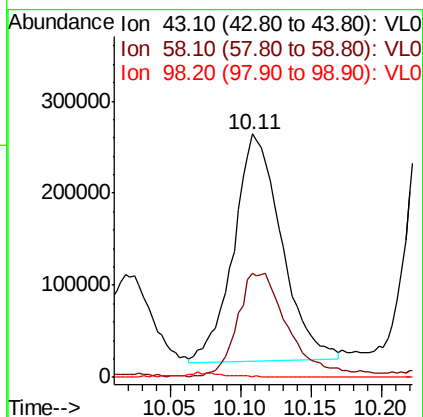
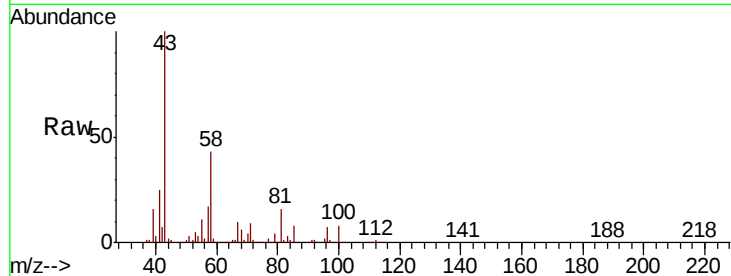




#51
2-Hexanone
Concen: 5.264 ppbv
RT: 10.11 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

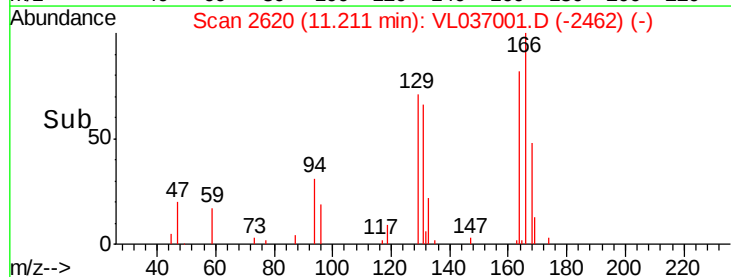
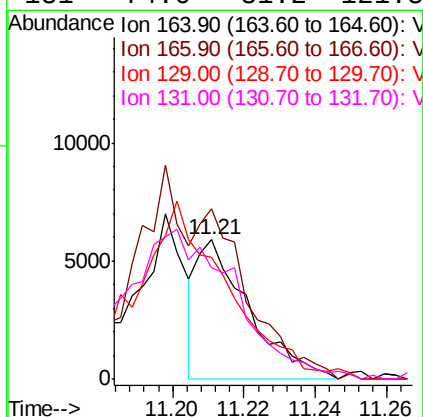
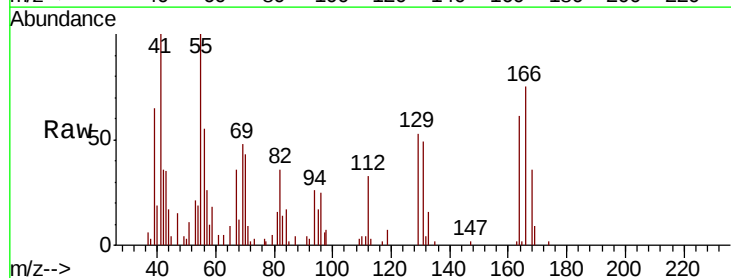
Instrument :
MSVOA_L
ClientSampleId :
KSV-01

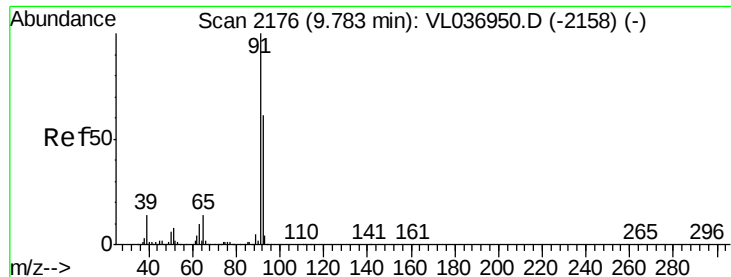
Tot Ion: 43 Resp: 585149
Ion Ratio Lower Upper
43 100
58 49.0 41.1 61.7
98 2.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.049 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Tgt Ion: 164 Resp: 5910
Ion Ratio Lower Upper
164 100
166 122.2 105.5 158.3
129 79.4 81.8 122.8#
131 74.6 81.2 121.8#





#53

Toluene

Concen: 14.218 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

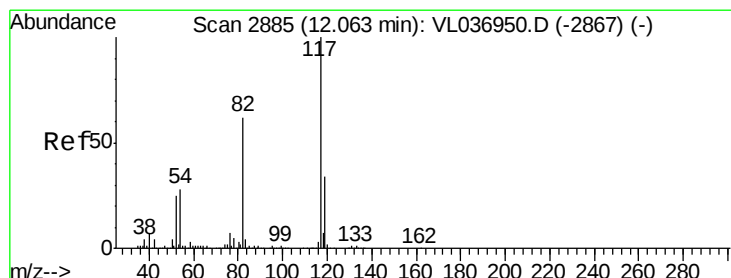
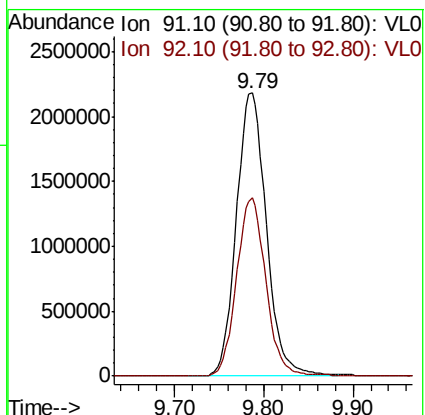
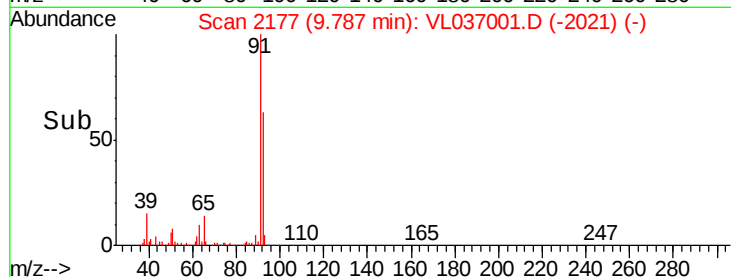
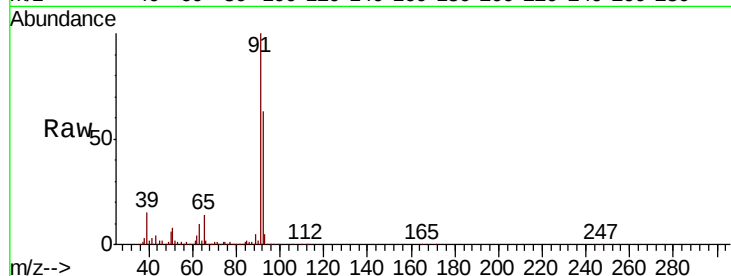
KSV-01

Tot Ion: 91 Resp: 5099362

Ion Ratio Lower Upper

91 100

92 61.7 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

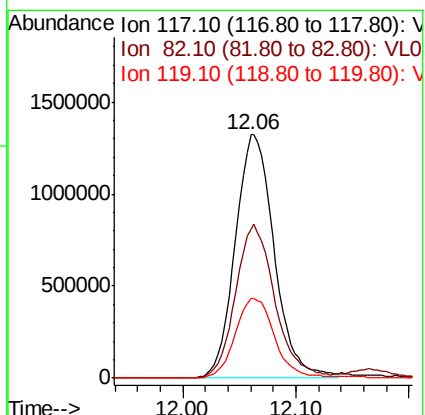
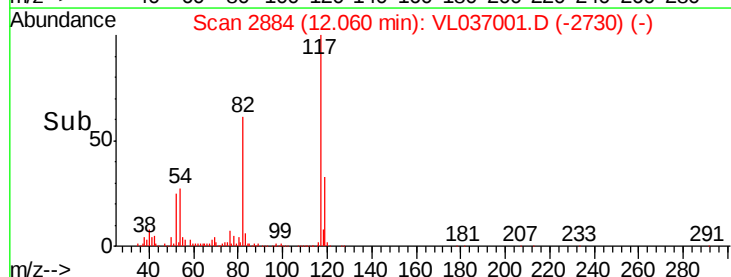
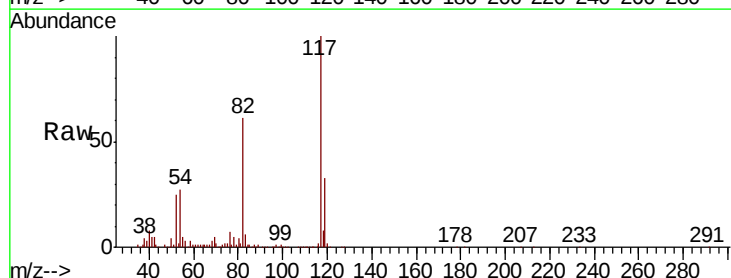
Tgt Ion: 117 Resp: 3172952

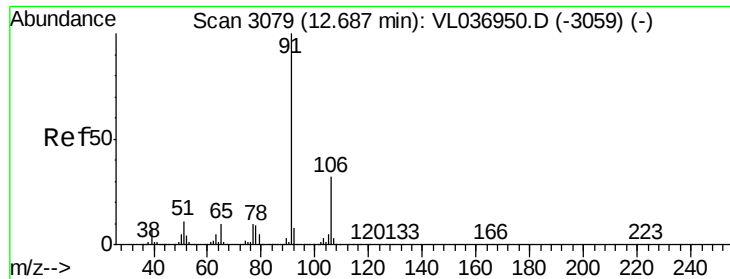
Ion Ratio Lower Upper

117 100

82 63.9 52.6 79.0

119 33.9 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.858 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

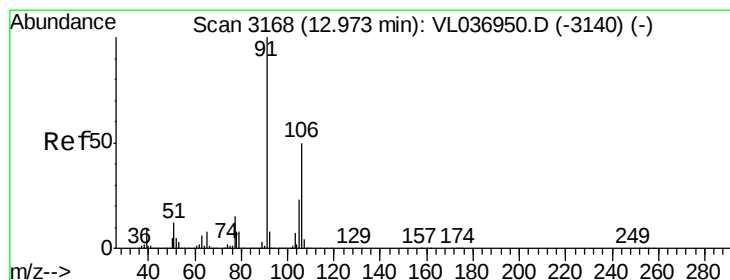
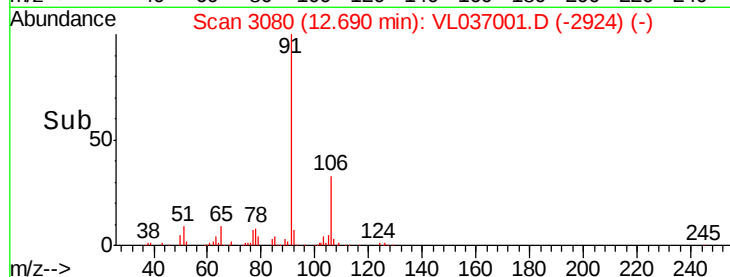
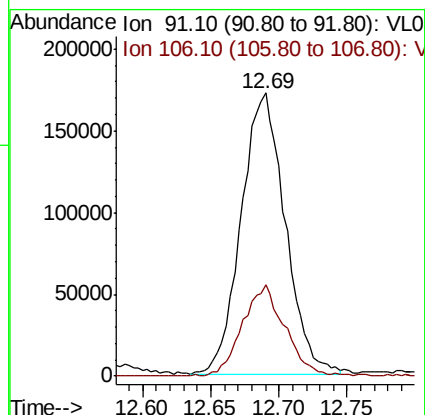
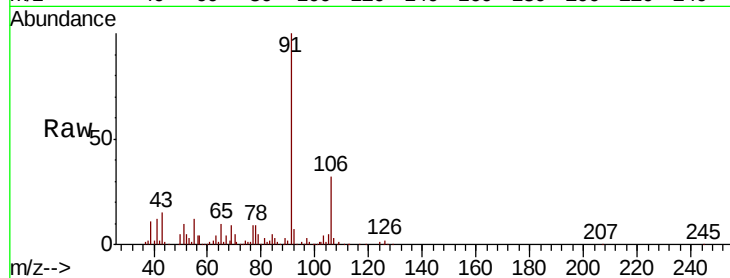
KSV-01

Tot Ion: 91 Resp: 384385

Ion Ratio Lower Upper

91 100

106 32.6 25.6 38.4



#59

m/p-Xylene

Concen: 1.229 ppbv

RT: 12.94 min Scan# 3159

Delta R.T. -0.03 min

Lab File: VL037001.D

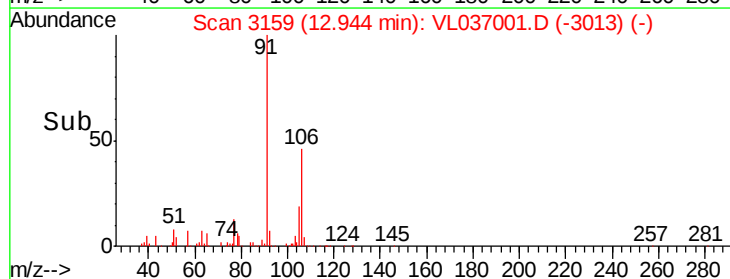
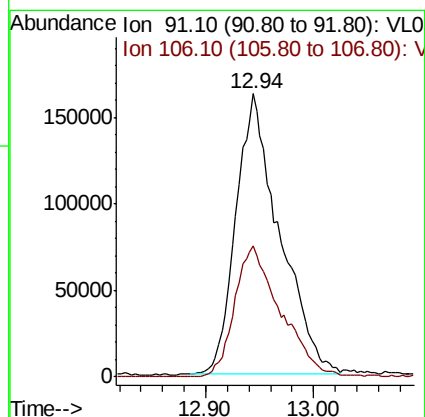
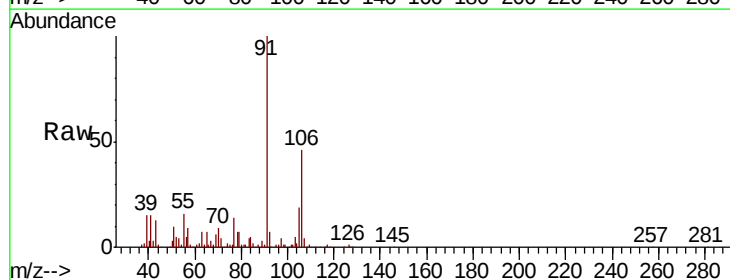
Acq: 19 May 2021 21:09

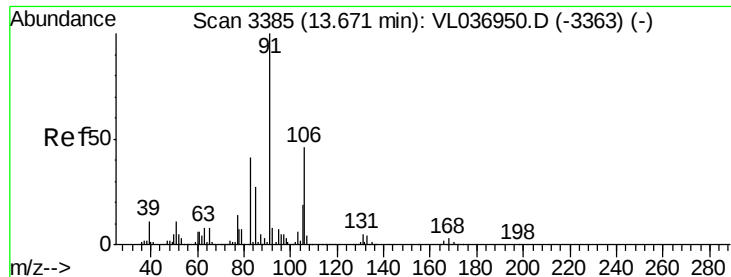
Tgt Ion: 91 Resp: 454989

Ion Ratio Lower Upper

91 100

106 49.1 37.4 56.2

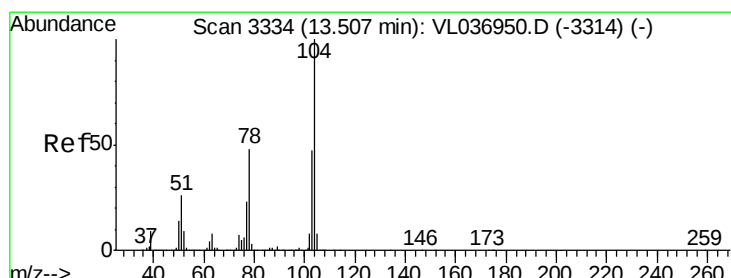
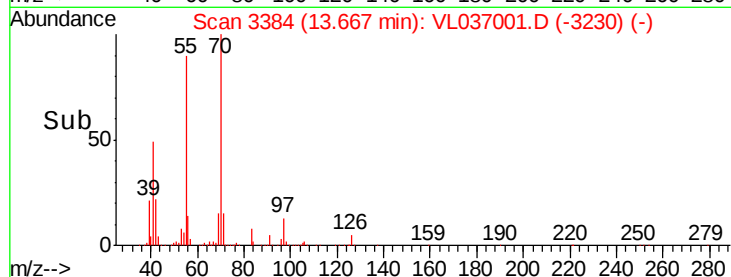
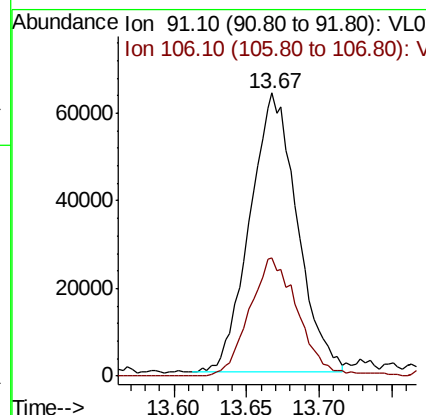
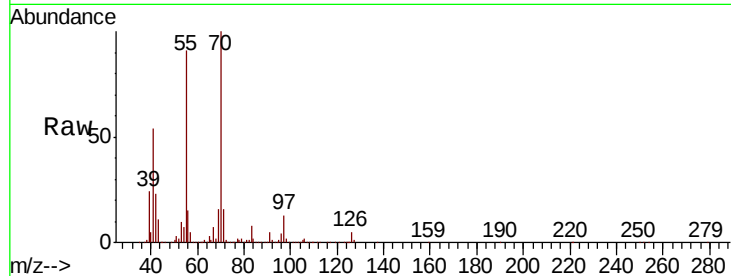




#60
o-Xylene
Concen: 0.412 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

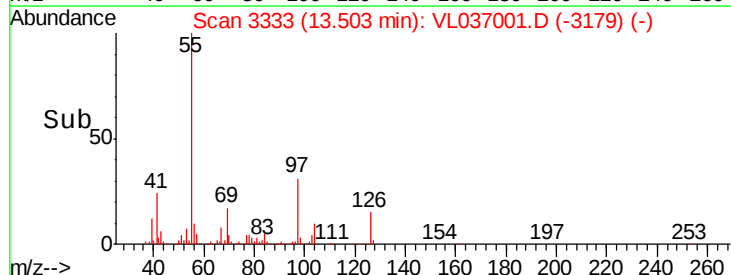
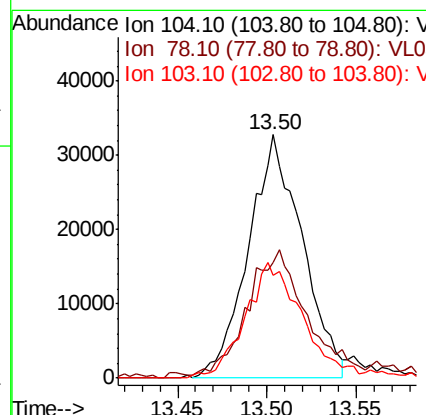
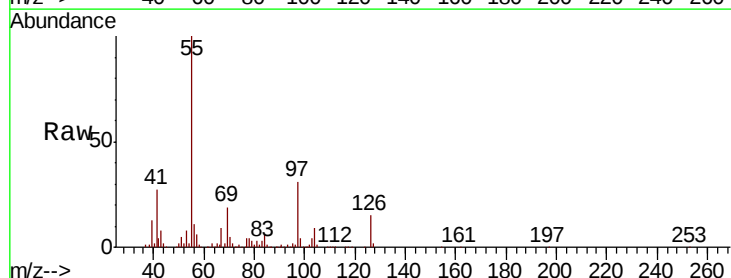
Instrument :
MSVOA_L
ClientSampleId :
KSV-01

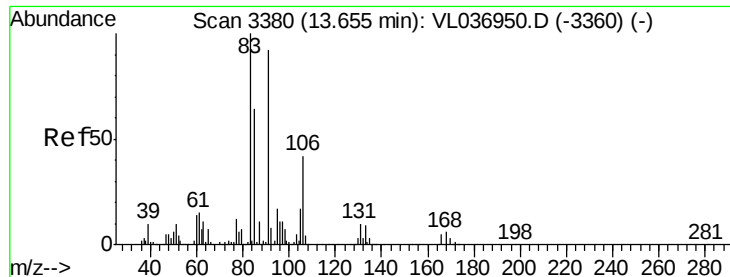
Tot Ion: 91 Resp: 145627
Ion Ratio Lower Upper
91 100
106 43.9 23.4 70.3



#61
Styrene
Concen: 0.346 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL037001.D
Acq: 19 May 2021 21:09

Tgt Ion:104 Resp: 68908
Ion Ratio Lower Upper
104 100
78 60.5 39.0 58.6#
103 52.4 38.0 57.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.844 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleID :

KSV-01

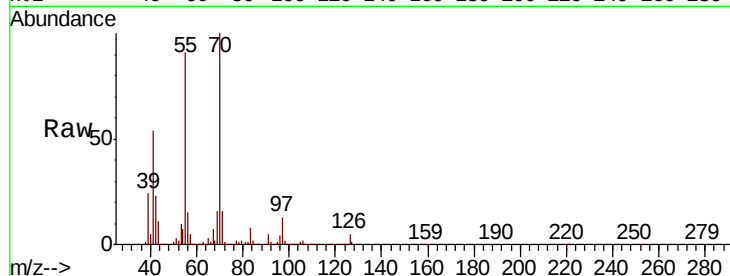
Tot Ion: 83 Resp: 222640

Ion Ratio Lower Upper

83 100

131 0.1 5.0 15.0#

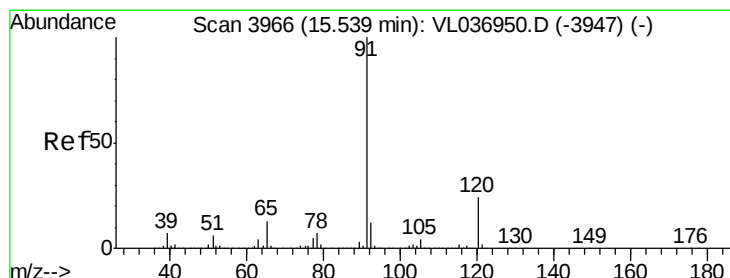
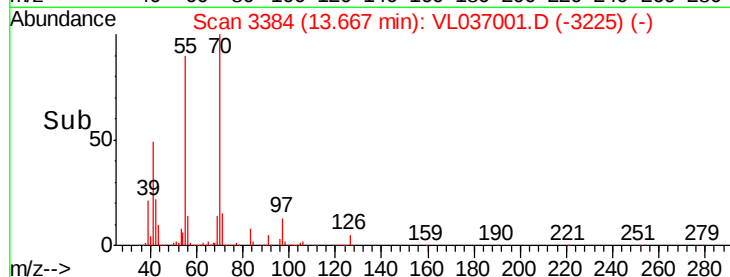
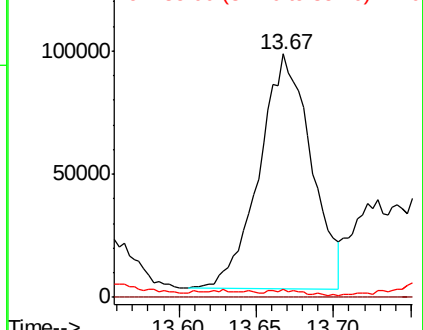
85 0.0 32.9 98.6#



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



#64

n-propylbenzene

Concen: 0.080 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037001.D

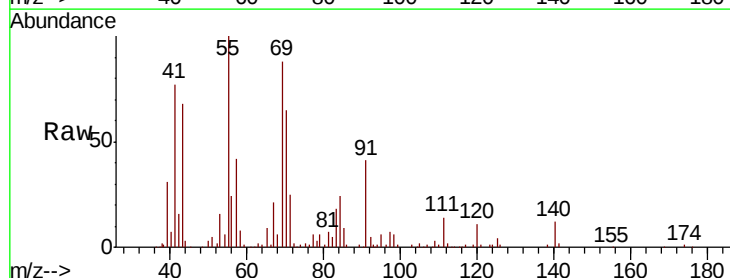
Acq: 19 May 2021 21:09

Tgt Ion:120 Resp: 10506

Ion Ratio Lower Upper

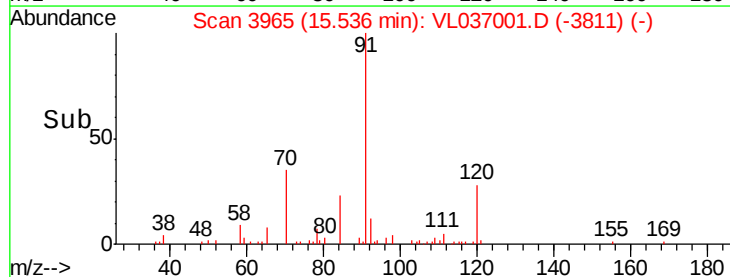
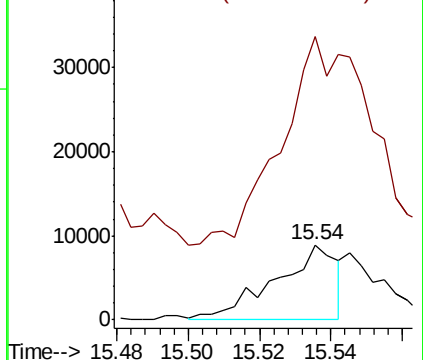
120 100

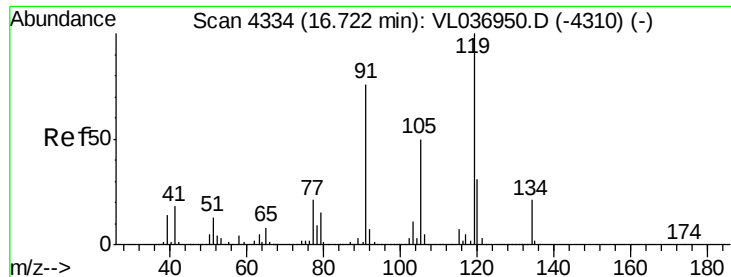
91 753.1 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.051 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampled :

KSV-01

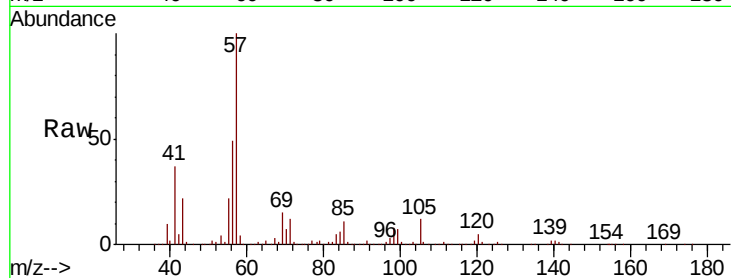
Tot Ion: 119 Resp: 23126

Ion Ratio Lower Upper

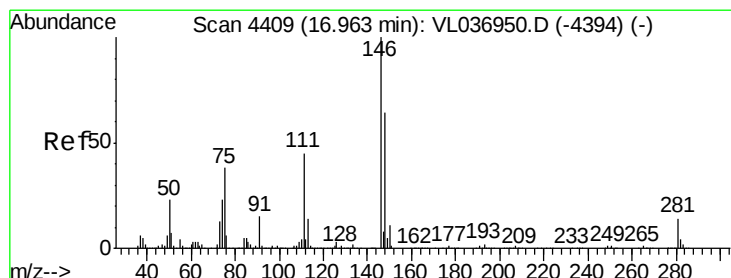
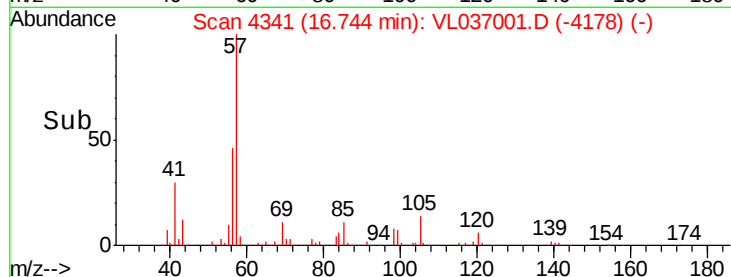
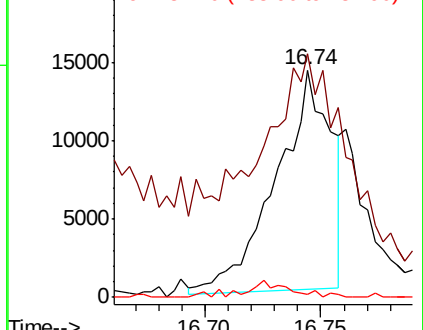
119 100

91 168.9 61.9 92.9#

134 6.6 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.051 ppbv

RT: 16.95 min Scan# 4406

Delta R.T. -0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

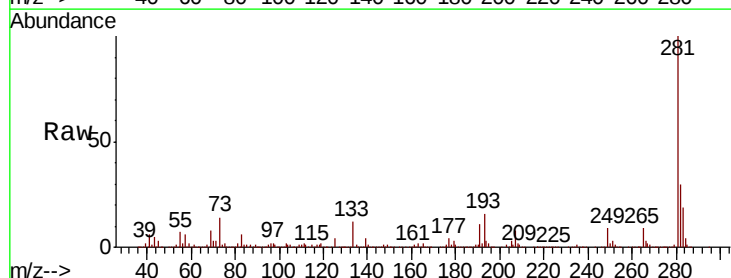
Tgt Ion: 91 Resp: 1307

Ion Ratio Lower Upper

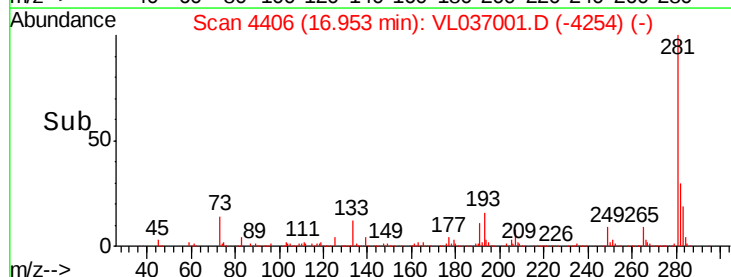
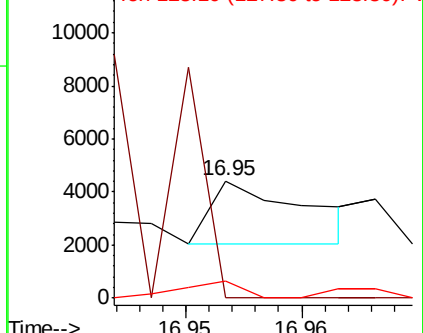
91 100

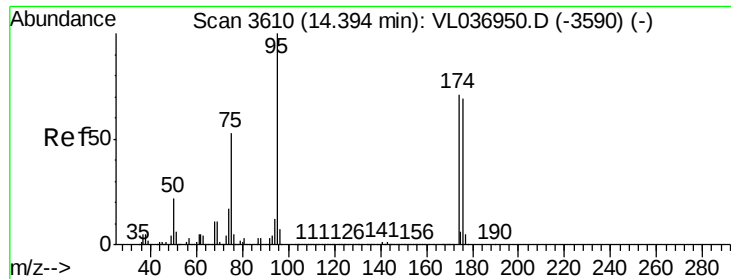
126 0.0 16.5 24.7#

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

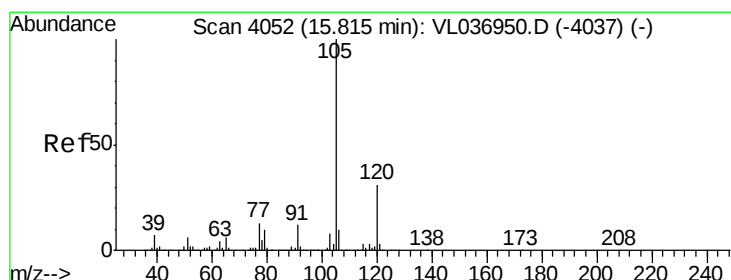
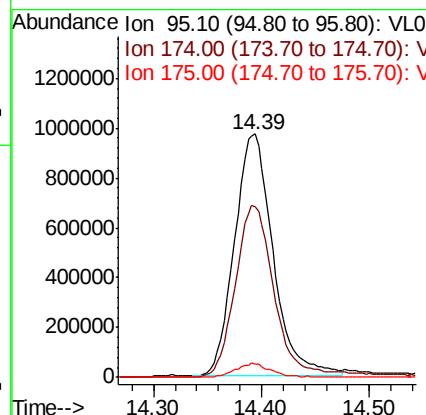
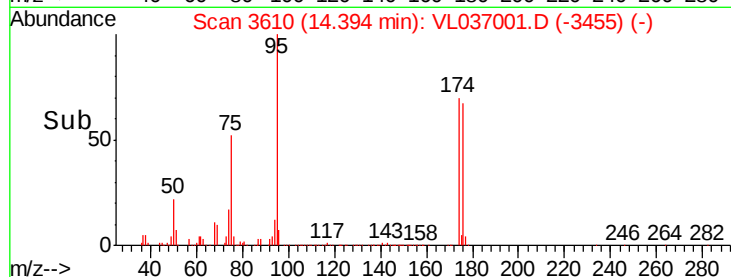
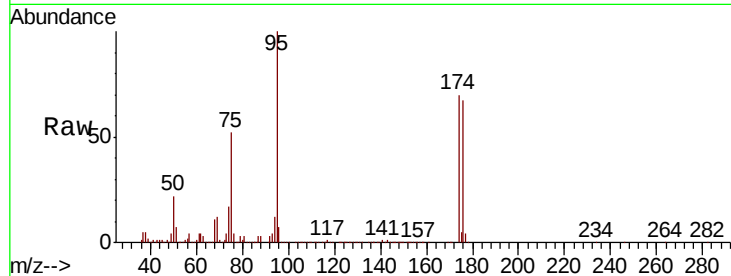




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.194 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

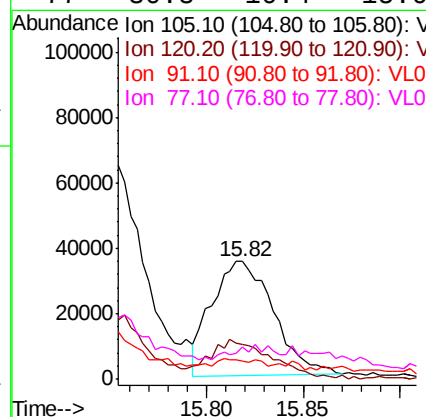
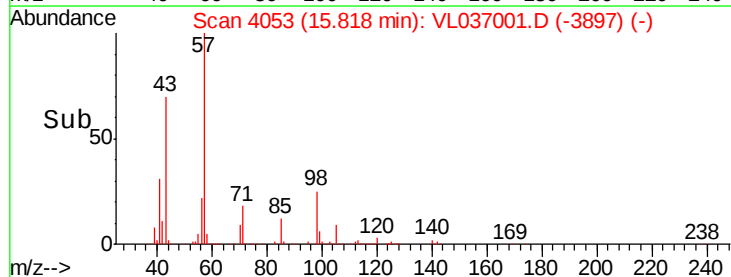
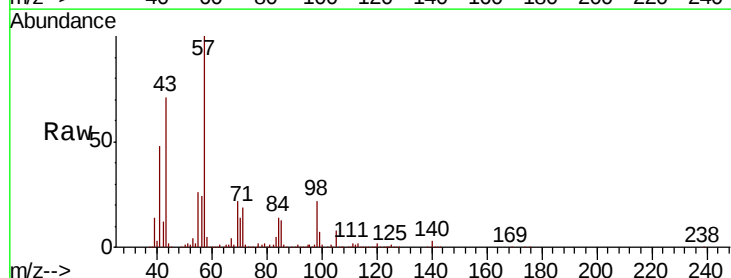
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-01

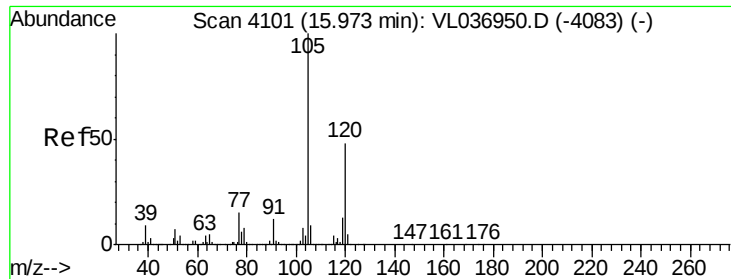
Tot Ion: 95 Resp: 2429839
 Ion Ratio Lower Upper
 95 100
 174 74.5 58.4 87.6
 175 5.4 4.4 6.6



#72
 4-Ethyltoluene
 Concen: 0.184 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037001.D
 Acq: 19 May 2021 21:09

Tgt Ion: 105 Resp: 77226
 Ion Ratio Lower Upper
 105 100
 120 34.1 24.6 37.0
 91 13.7 9.8 14.6
 77 30.8 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.209 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Instrument :

MSVOA_L

ClientSampleId :

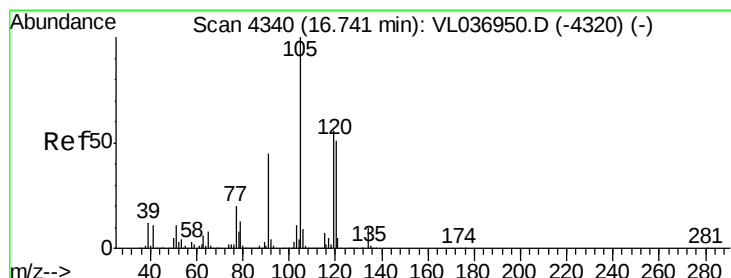
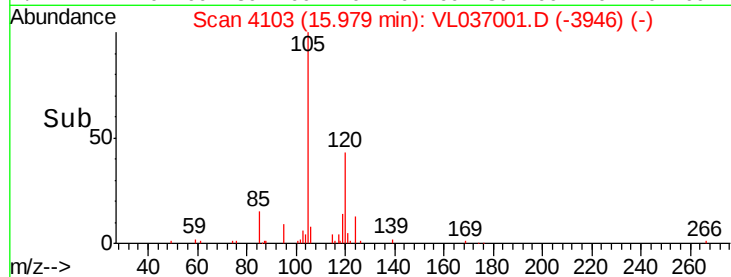
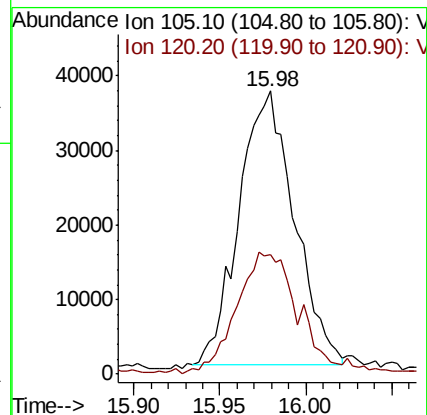
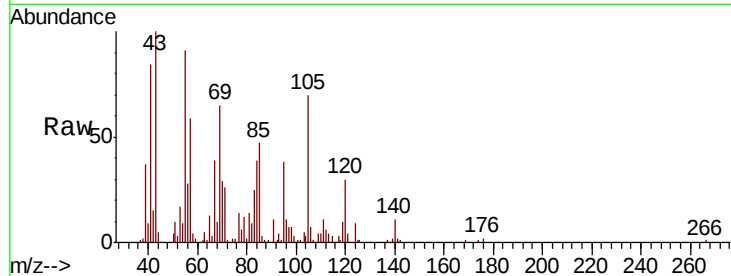
KSV-01

Tot Ion:105 Resp: 82356

Ion Ratio Lower Upper

105 100

120 41.5 38.6 58.0



#74

1,2,4-Trimethylbenzene

Concen: 0.589 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037001.D

Acq: 19 May 2021 21:09

Tgt Ion:105 Resp: 239662

Ion Ratio Lower Upper

105 100

120 43.3 40.6 61.0

91 9.9 37.4 56.0#

77 15.4 16.2 24.4#

