

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036730.D
 Acq On : 7 Apr 2021 17:23
 Operator : SY/AP
 Sample : M1929-02
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04

Quant Time: Apr 08 02:41:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1266089	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3181412	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2769795	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2242936	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	36306	0.176 ppbv	94
4) Chloromethane	3.14	50	10643	0.127 ppbv #	70
7) Chloroethane	3.56	64	3880	0.131 ppbv #	72
9) Propene	3.01	41	124010	1.644 ppbv	92
10) Heptane	8.12	43	14977	0.078 ppbv #	32
11) Trichlorofluoromethane	3.95	101	122693	0.583 ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4937	0.037 ppbv #	11
13) Ethanol	3.61	45	105415	11.738 ppbv	98
15) Acetone	3.85	43	1162733	9.331 ppbv	98
16) 1,3-Butadiene	3.31	39	65242	0.752 ppbv #	27
17) tert-Butyl alcohol	4.32	59	6965	0.064 ppbv #	60
19) Isopropyl Alcohol	3.99	45	161208	2.352 ppbv #	88
20) Methylene Chloride	4.34	84	841863	14.429 ppbv	95
23) Vinyl Acetate	5.08	43	17968	0.084 ppbv #	85
24) 1,1-Dichloroethane	5.01	63	18156	0.117 ppbv #	96
25) Ethyl Acetate	5.69	43	450598	1.521 ppbv #	79
26) Hexane	5.69	57	613330	4.461 ppbv #	47
27) Carbon Disulfide	4.55	76	13829	0.102 ppbv #	1
29) Chloroform	5.75	83	415959	1.892 ppbv	98
30) Cyclohexane	7.13	84	33459	0.300 ppbv #	1
32) 1,1,1-Trichloroethane	6.51	97	86296	0.389 ppbv	93
34) 2-Butanone	5.25	43	137289	0.884 ppbv #	71
36) Benzene	6.89	78	7318928	24.944 ppbv	95
37) 1,2-Dichloroethane	6.31	62	51703	0.299 ppbv #	96
39) 1,2-Dichloropropane	7.18	63	822083	6.907 ppbv #	23
41) Tetrahydrofuran	6.02	42	5109	0.071 ppbv #	7
44) 2,2,4-Trimethylpentane	7.88	57	30881	0.060 ppbv #	24
52) Tetrachloroethene	11.23	164	2412642	22.330 ppbv	100
53) Toluene	9.81	91	3049043	9.758 ppbv	99
58) Ethyl Benzene	12.72	91	2093139	5.194 ppbv	95
59) m/p-Xylene	13.01	91	2753976	7.835 ppbv	96
60) o-Xylene	13.70	91	1323152	3.893 ppbv	100
61) Styrene	13.54	104	7968	0.047 ppbv #	1
62) Isopropylbenzene	14.67	105	47156	0.103 ppbv	96
64) n-propylbenzene	15.56	120	13707	0.123 ppbv #	1
65) tert-Butylbenzene	16.76	119	73499	0.185 ppbv #	1
66) Benzyl Chloride	17.22	91	4471	0.102 ppbv #	68
67) sec-Butylbenzene	17.61	105	716495	1.279 ppbv #	67
69) p-Isopropyltoluene	17.66	119	56245	0.129 ppbv #	46
70) n-Butylbenzene	18.56	91	37173	0.082 ppbv #	77
71) 2-Chlorotoluene	15.57	91	147486	0.430 ppbv #	45

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
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Response via : Initial Calibration

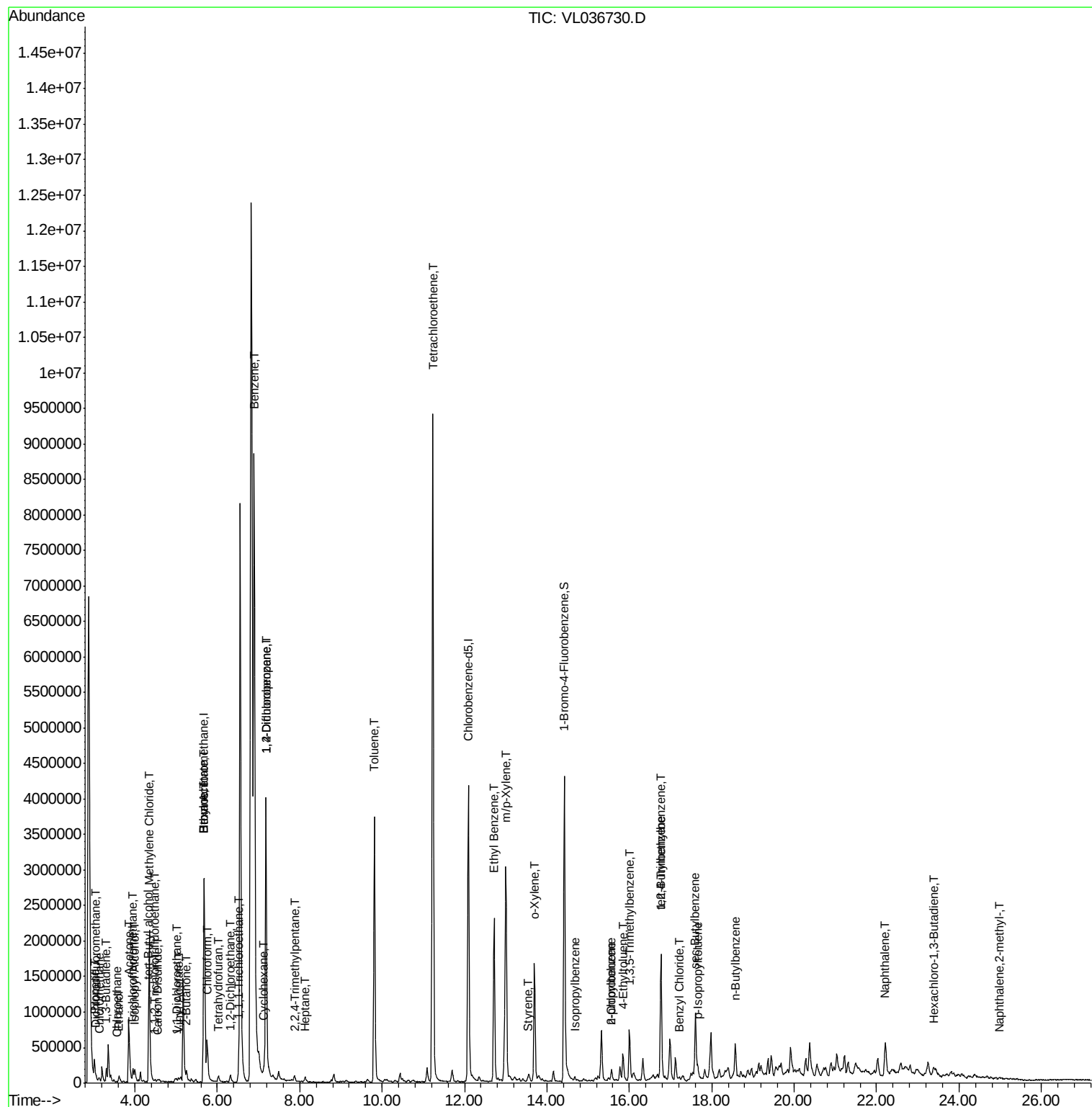
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.85	105	267256	0.718	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.00	105	523468	1.506	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	1362300	3.663	ppbv #	68
78) Hexachloro-1,3-Butadiene	23.38	225	15918	0.090	ppbv #	55
79) Naphthalene	22.21	128	511273	2.356	ppbv #	94
80) Naphthalene,2-methyl-	24.97	142	12777	0.299	ppbv #	73

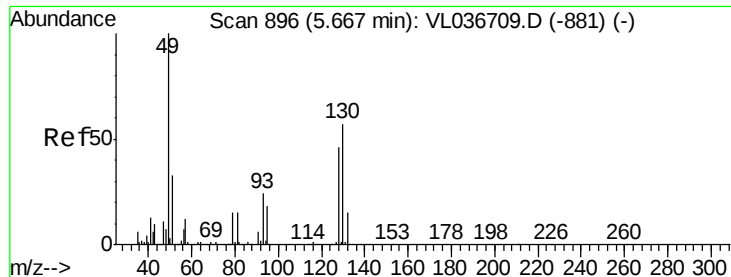
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040721\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036730.D

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ClientSampleId :

FS-SV-04

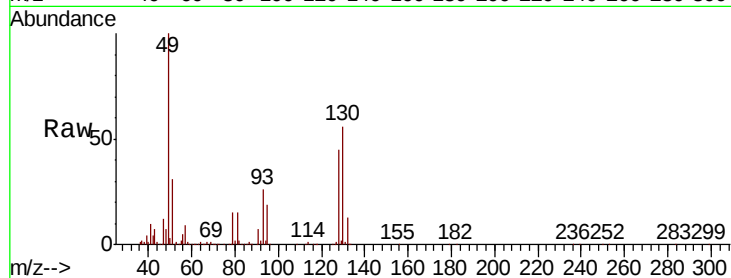
Tot Ion: 49 Resp: 1266089

Ion Ratio Lower Upper

49 100

128 46.8 23.5 70.6

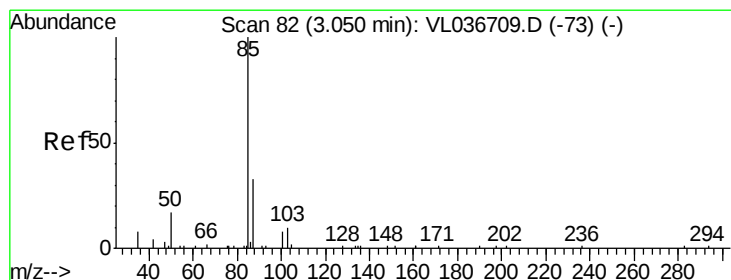
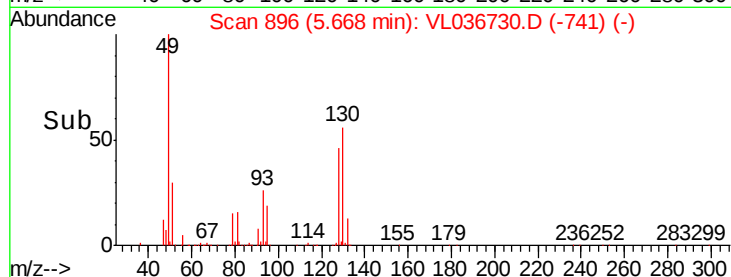
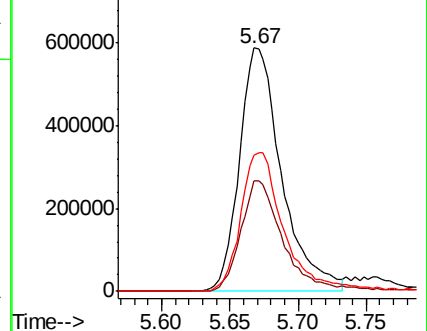
130 59.8 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.176 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036730.D

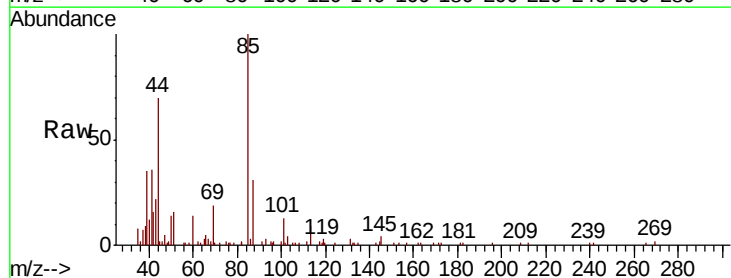
Acq: 7 Apr 2021 17:23

Tgt Ion: 85 Resp: 36306

Ion Ratio Lower Upper

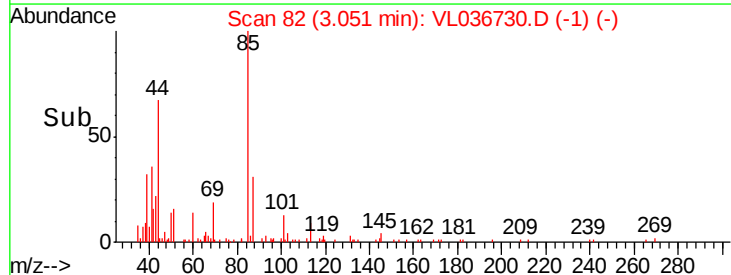
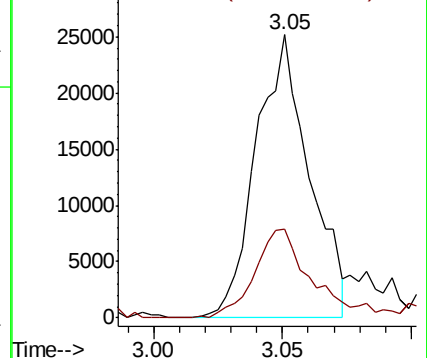
85 100

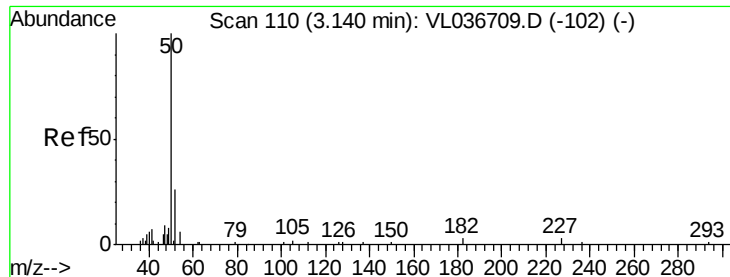
87 31.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.127 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

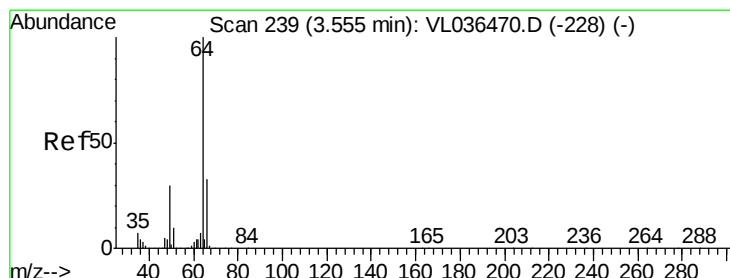
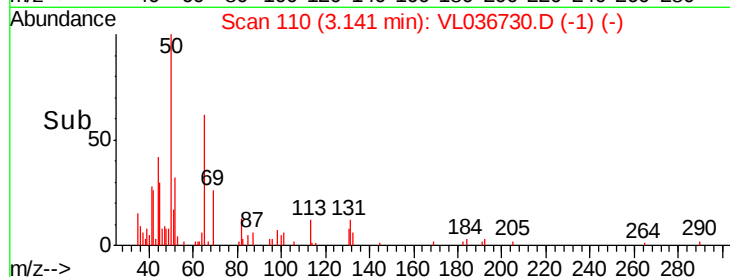
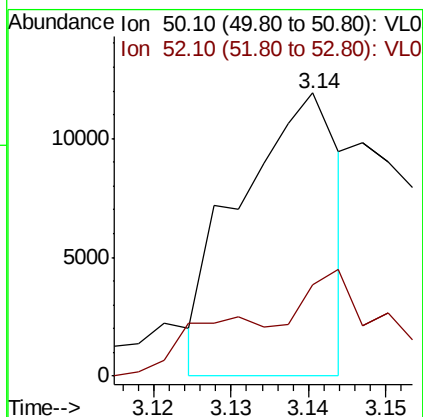
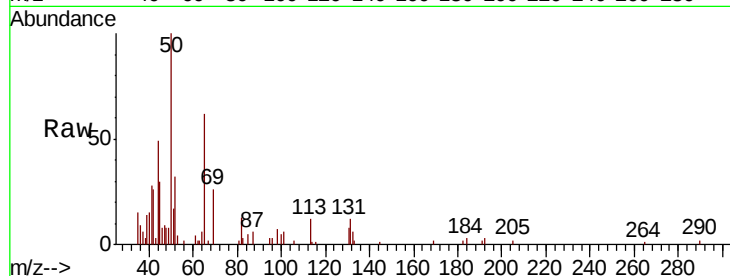
FS-SV-04

Tot Ion: 50 Resp: 10643

Ion Ratio Lower Upper

50 100

52 16.5 27.0 40.6#



#7

Chloroethane

Concen: 0.131 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL036730.D

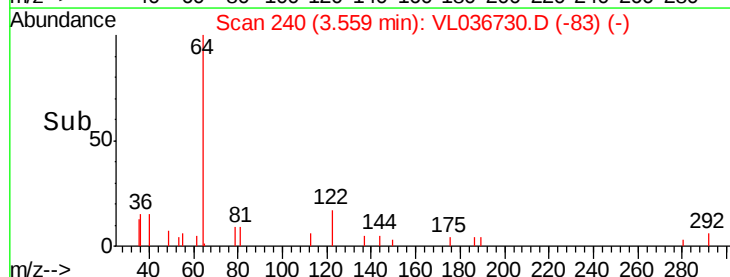
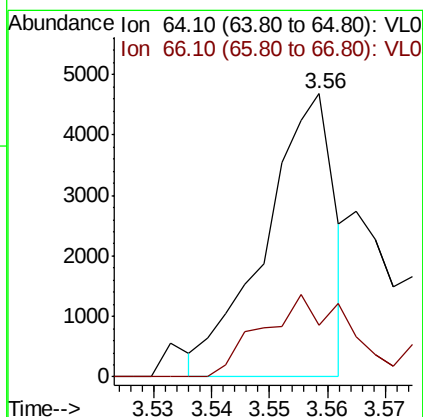
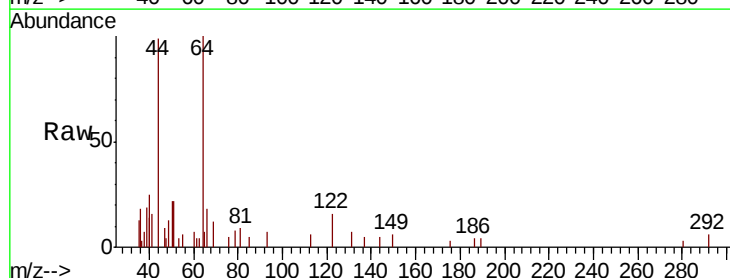
Acq: 7 Apr 2021 17:23

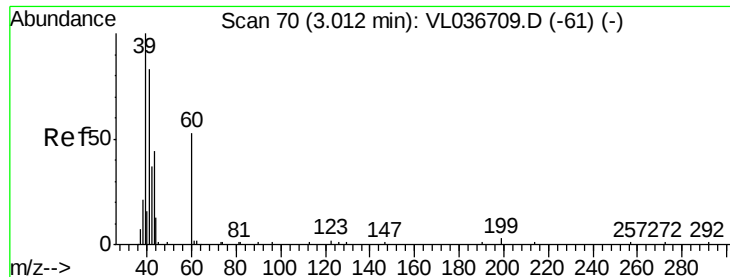
Tgt Ion: 64 Resp: 3880

Ion Ratio Lower Upper

64 100

66 17.1 26.2 39.2#





#9

Propene

Concen: 1.644 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

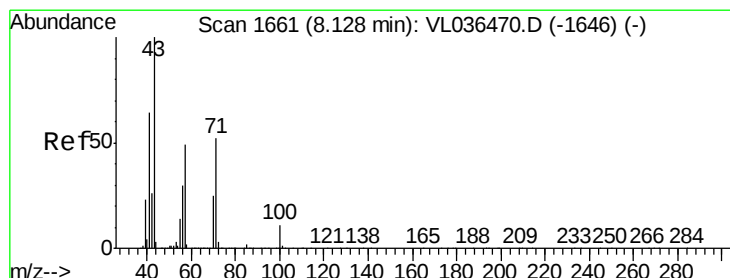
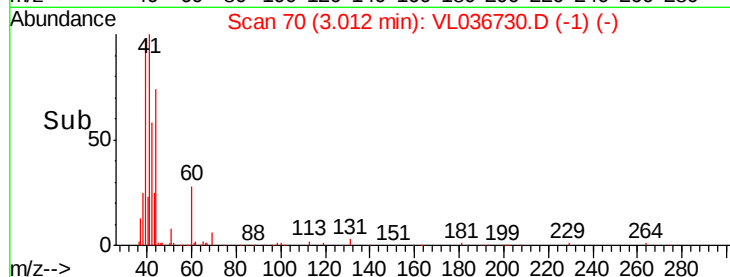
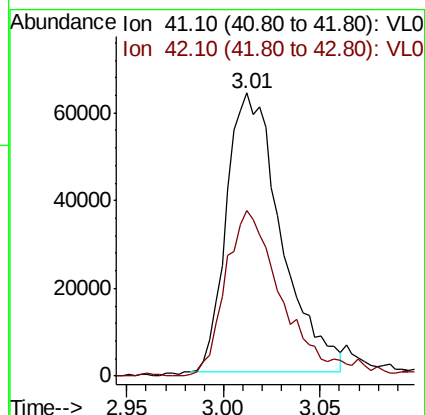
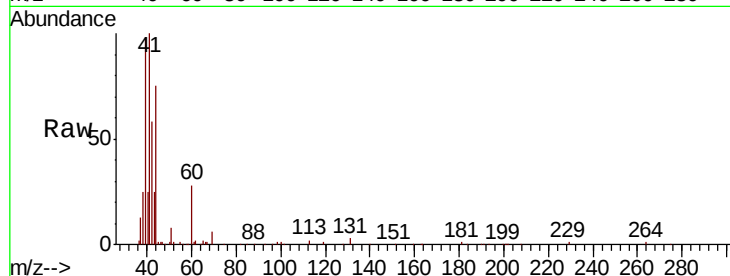
FS-SV-04

Tot Ion: 41 Resp: 124010

Ion Ratio Lower Upper

41 100

42 64.6 57.0 85.4



#10

Heptane

Concen: 0.078 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036730.D

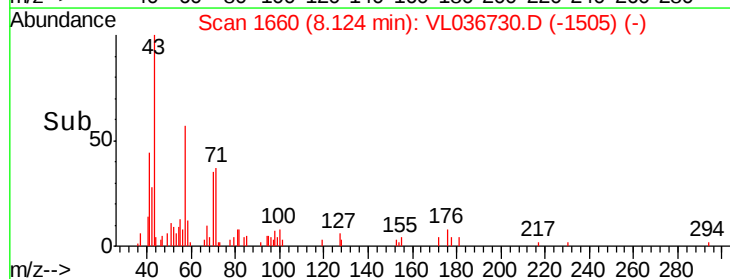
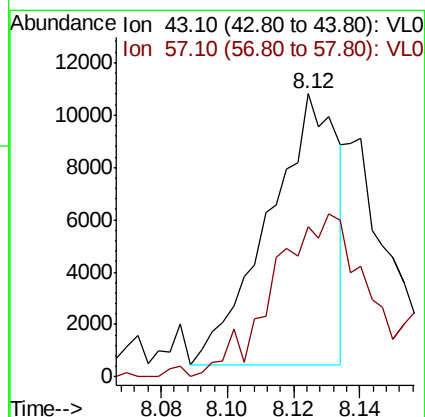
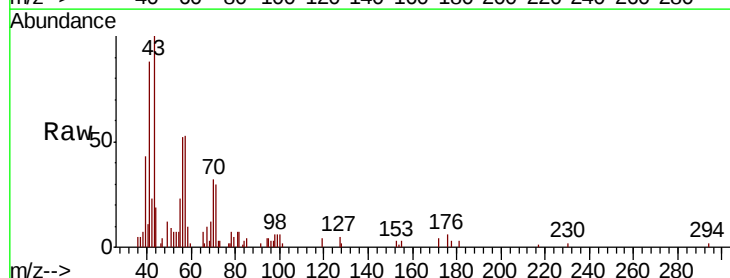
Acq: 7 Apr 2021 17:23

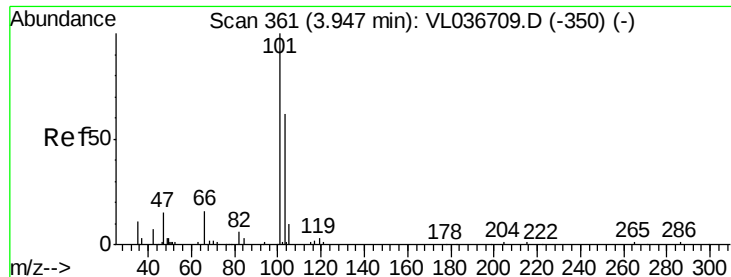
Tgt Ion: 43 Resp: 14977

Ion Ratio Lower Upper

43 100

57 95.1 39.0 58.6#

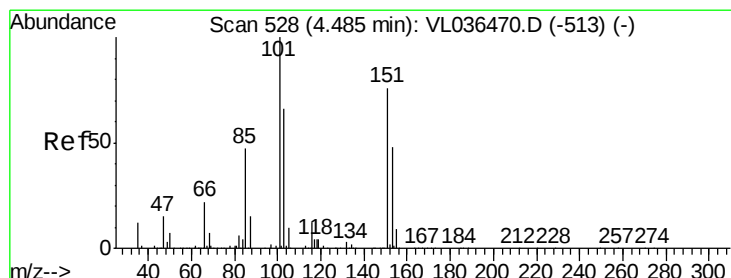
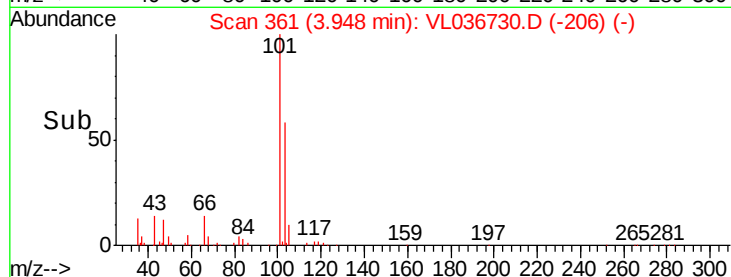
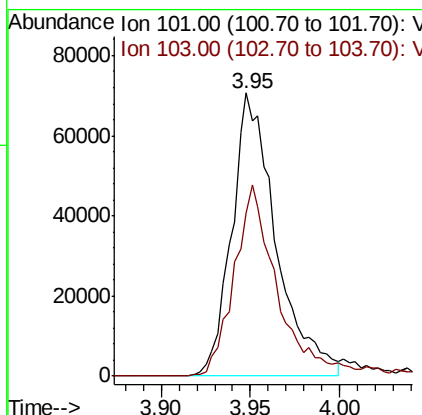
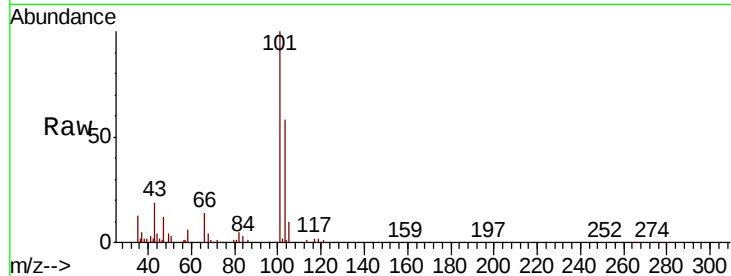




#11
 Trichlorofluoromethane
 Concen: 0.583 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

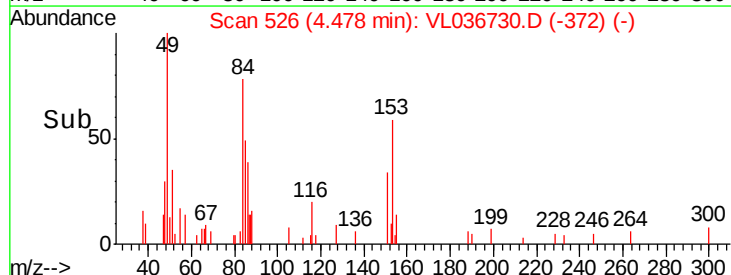
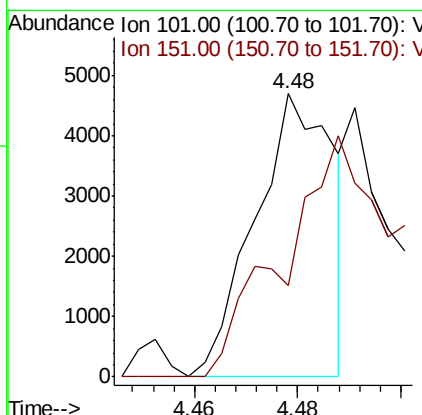
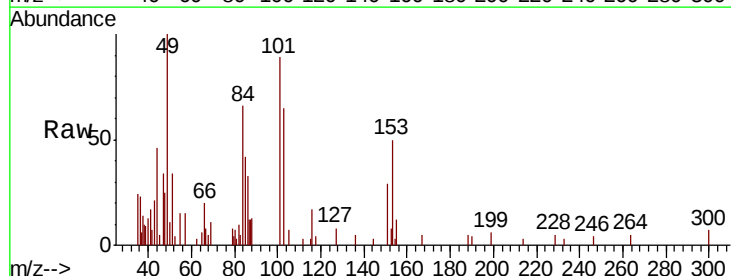
Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04

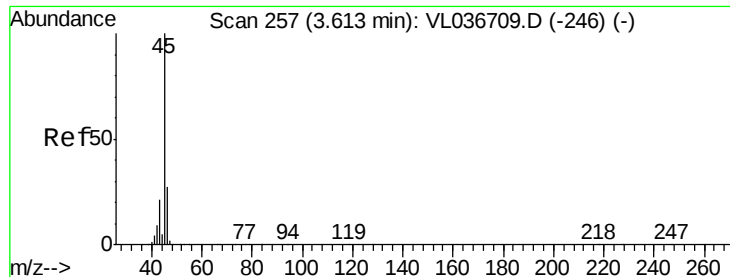
Tot Ion:101 Resp: 122693
 Ion Ratio Lower Upper
 101 100
 103 57.8 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.037 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Tgt Ion:101 Resp: 4937
 Ion Ratio Lower Upper
 101 100
 151 0.0 60.9 91.3#





#13

Ethanol

Concen: 11.738 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

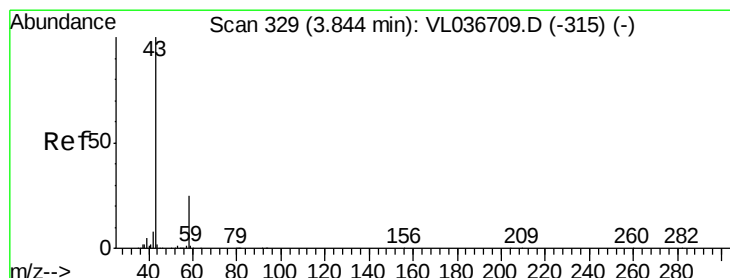
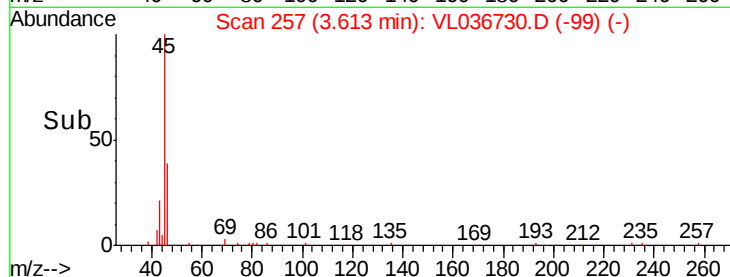
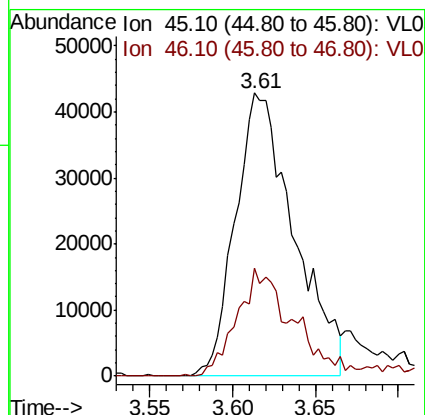
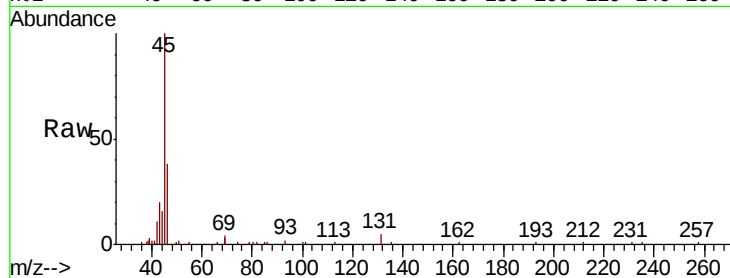
FS-SV-04

Tot Ion: 45 Resp: 105415

Ion Ratio Lower Upper

45 100

46 39.9 16.6 66.2



#15

Acetone

Concen: 9.331 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL036730.D

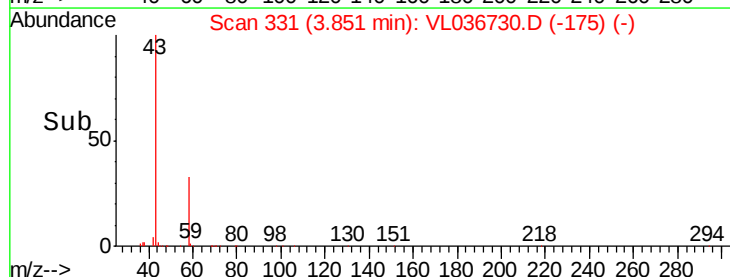
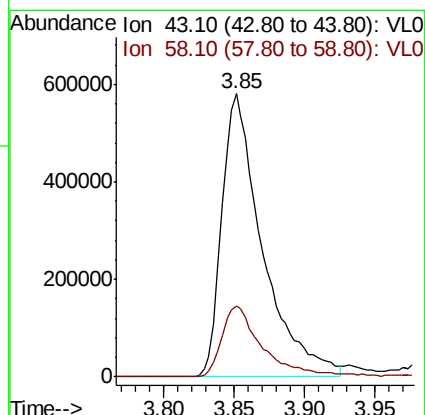
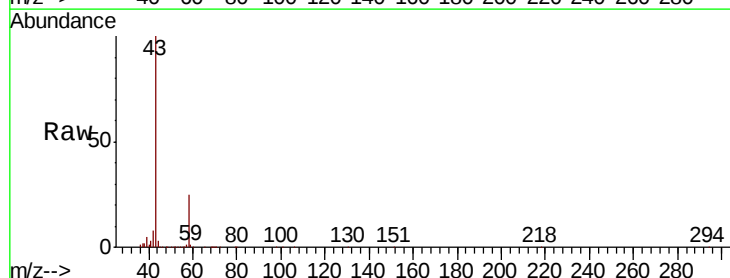
Acq: 7 Apr 2021 17:23

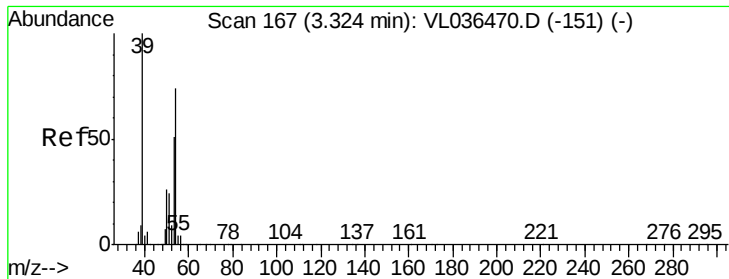
Tgt Ion: 43 Resp: 1162733

Ion Ratio Lower Upper

43 100

58 25.6 21.2 31.8

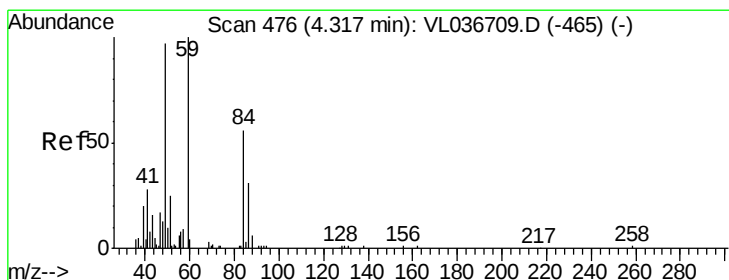
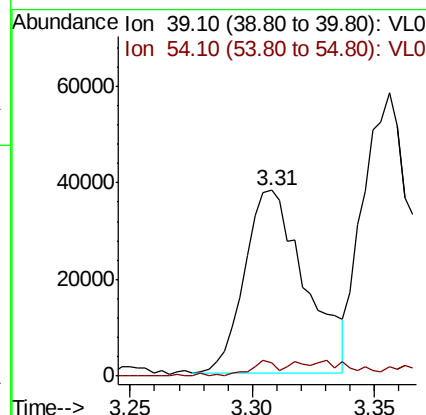
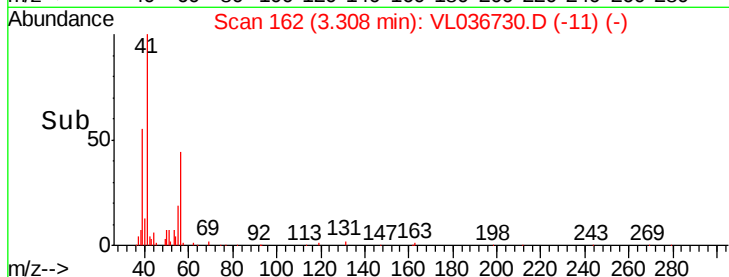
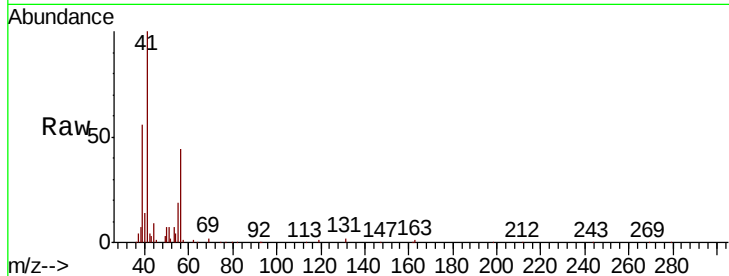




#16
1,3-Butadiene
Concen: 0.752 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.02 min
Lab File: VL036730.D
Acq: 7 Apr 2021 17:23

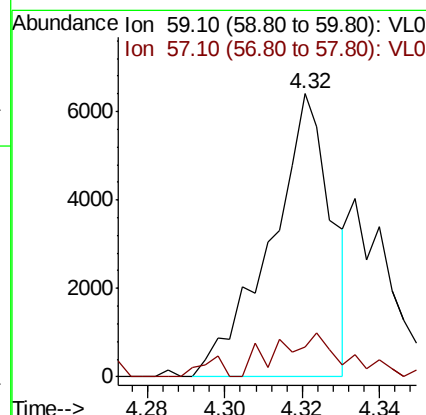
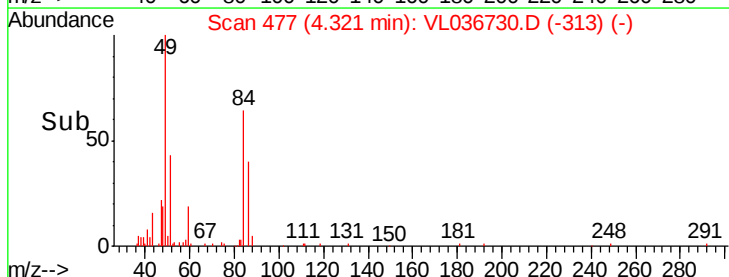
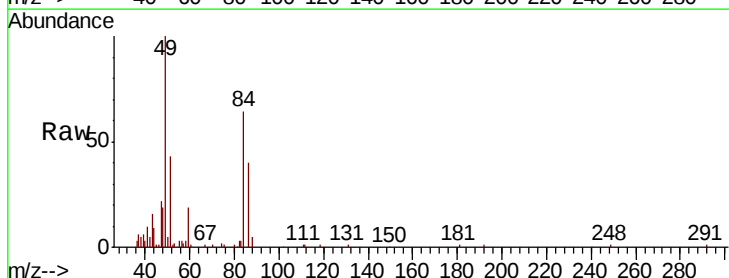
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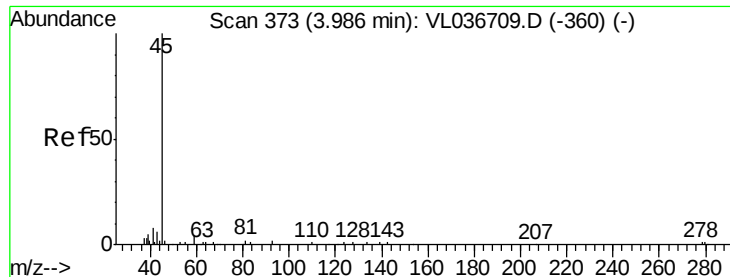
Tot Ion: 39 Resp: 65242
Ion Ratio Lower Upper
39 100
54 11.9 58.8 88.2#



#17
tert-Butyl alcohol
Concen: 0.064 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL036730.D
Acq: 7 Apr 2021 17:23

Tgt Ion: 59 Resp: 6965
Ion Ratio Lower Upper
59 100
57 25.8 8.6 12.8#



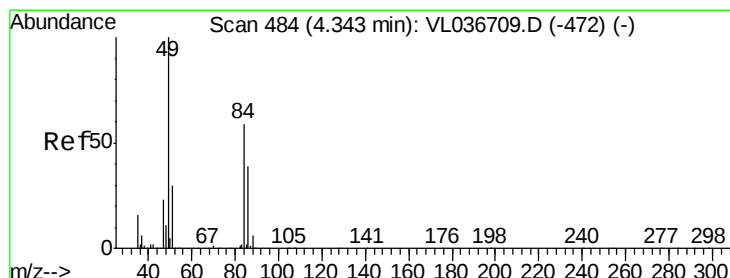
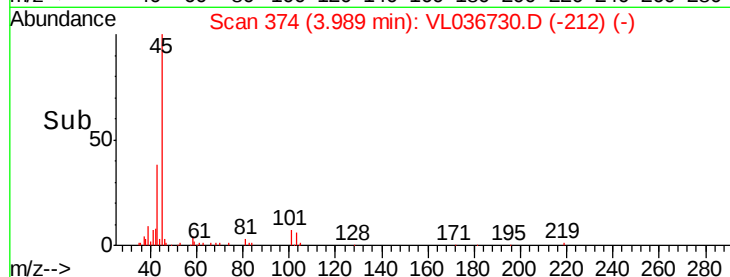
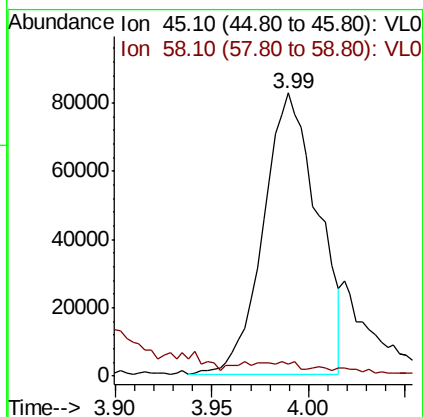
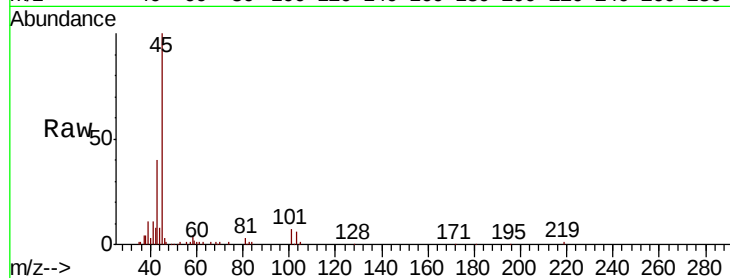


#19

Isopropyl Alcohol
 Concen: 2.352 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. 0.02 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04

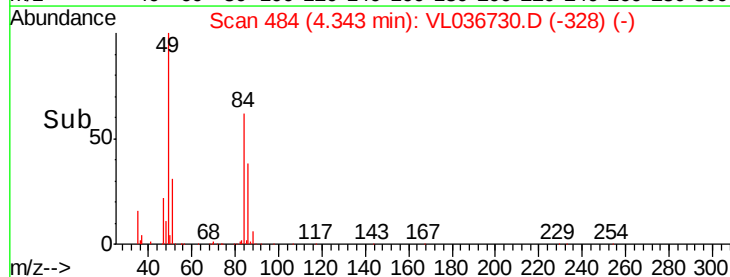
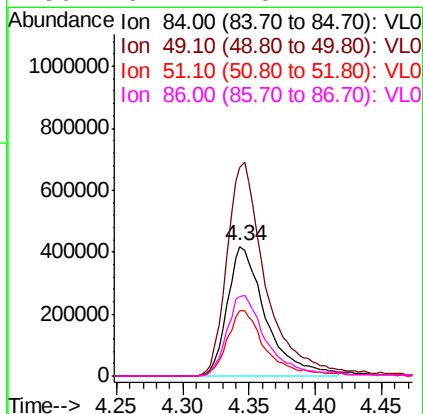
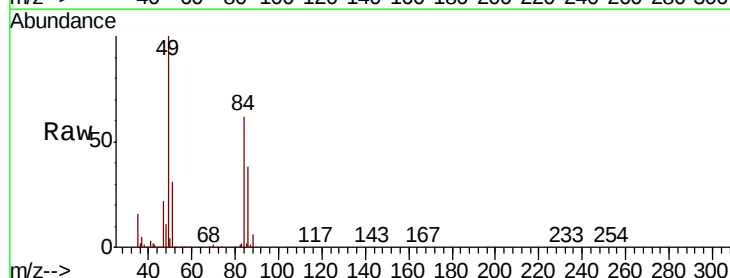
Tot Ion: 45 Resp: 161208
 Ion Ratio Lower Upper
 45 100
 58 7.6 2.9 4.3#

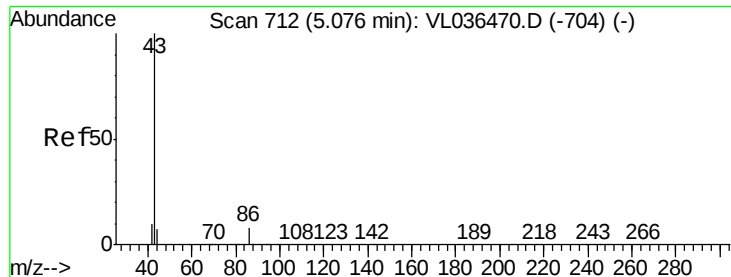


#20

Methylene Chloride
 Concen: 14.429 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Tgt Ion: 84 Resp: 841863
 Ion Ratio Lower Upper
 84 100
 49 161.2 122.9 184.3
 51 50.0 36.9 55.3
 86 61.7 48.2 72.4





#23

Vinyl Acetate

Concen: 0.084 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04

Tot Ion: 43 Resp: 17968

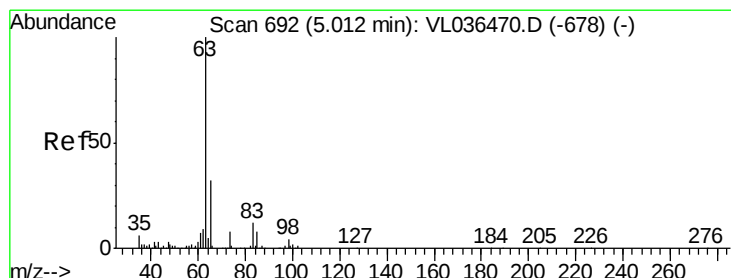
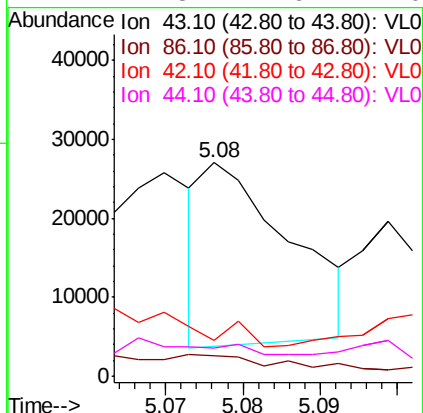
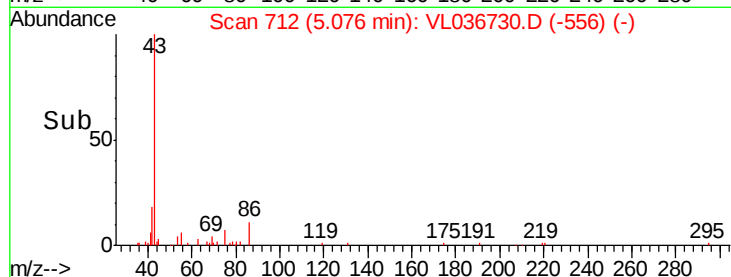
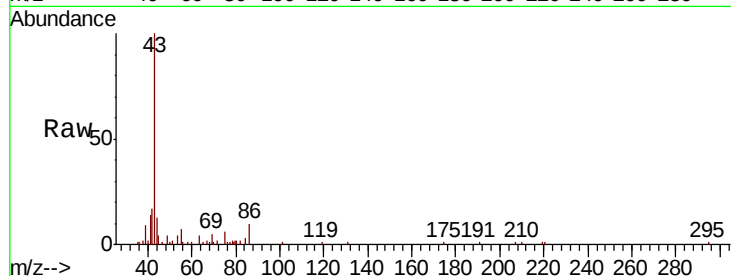
Ion Ratio Lower Upper

43 100

86 8.1 5.4 8.0#

42 0.0 8.5 12.7#

44 4.3 4.6 7.0#



#24

1,1-Dichloroethane

Concen: 0.117 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

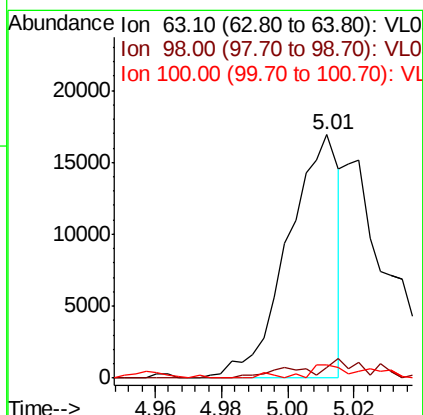
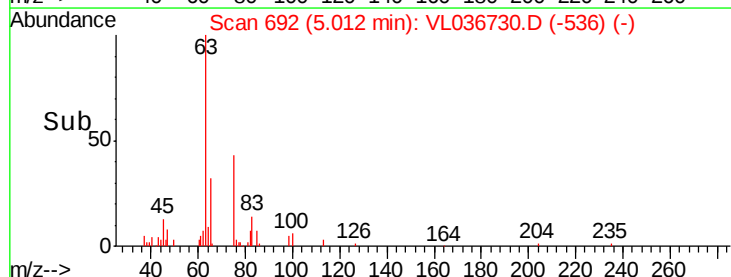
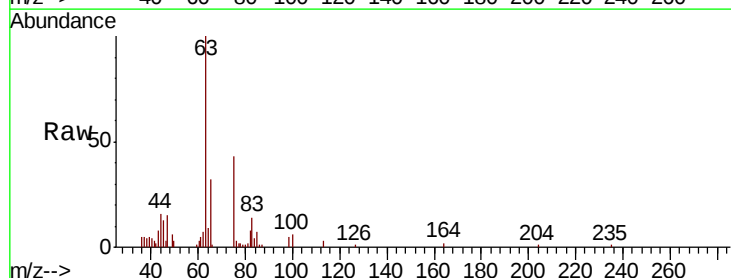
Tgt Ion: 63 Resp: 18156

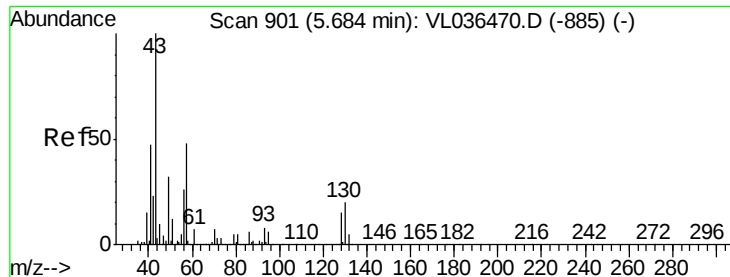
Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.2

100 5.6 0.9 2.8#





#25

Ethyl Acetate

Concen: 1.521 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :
MSVOA_L
ClientSampled :
FS-SV-04

Tot Ion: 43 Resp: 450598

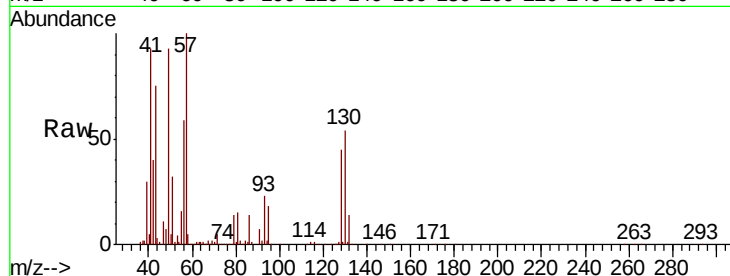
Ion Ratio Lower Upper

43 100

45 1.2 7.9 11.9#

61 0.4 7.4 11.2#

70 1.9 5.1 7.7#

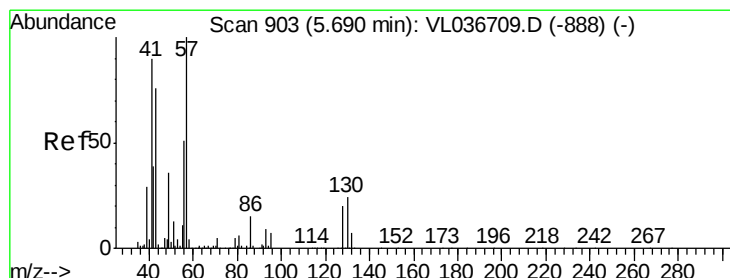
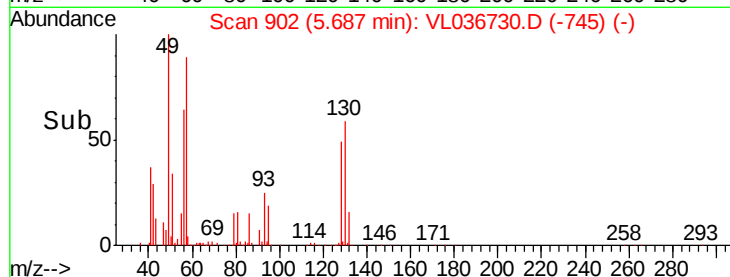
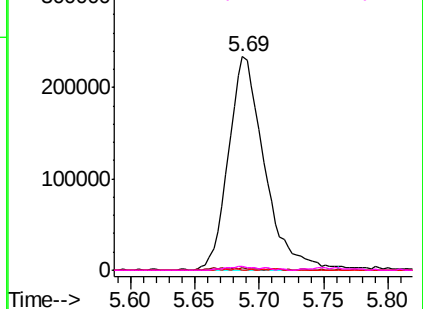


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.461 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Tgt Ion: 57 Resp: 613330

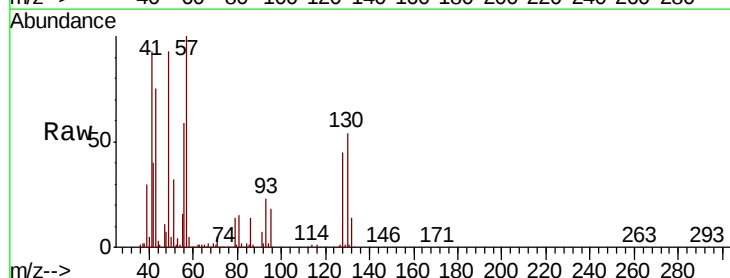
Ion Ratio Lower Upper

57 100

41 96.5 77.2 115.8

43 75.0 173.8 260.6#

56 57.4 43.8 65.6

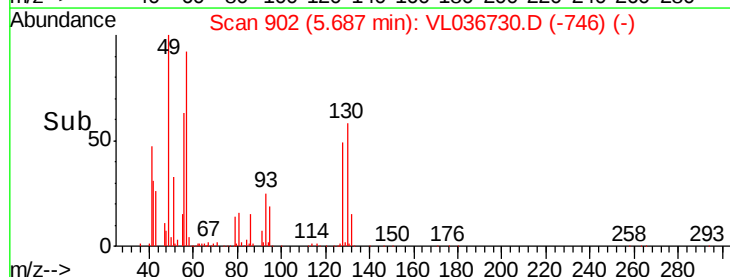
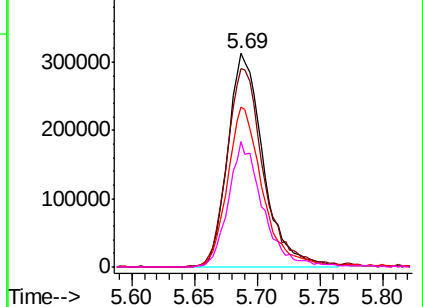


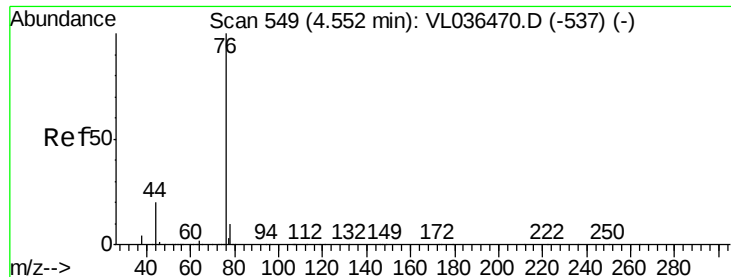
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.102 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04

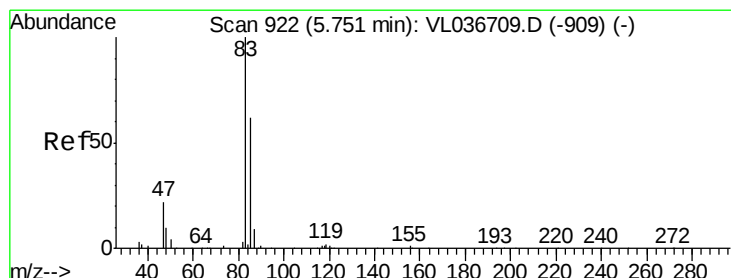
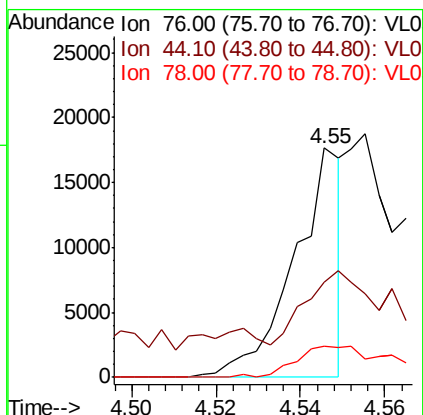
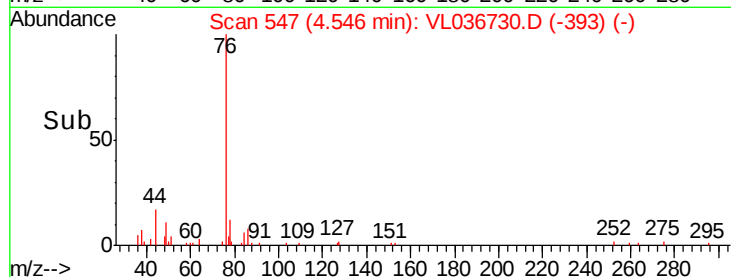
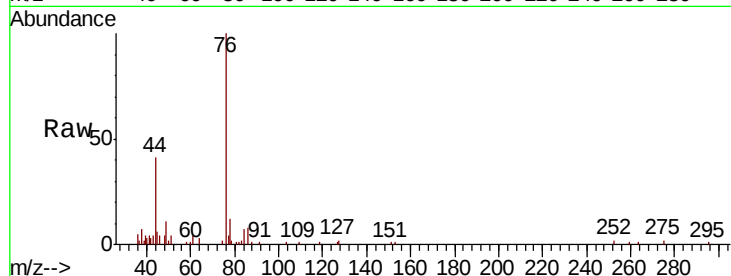
Tot Ion: 76 Resp: 13829

Ion Ratio Lower Upper

76 100

44 127.2 17.5 26.3#

78 0.0 8.6 13.0#



#29

Chloroform

Concen: 1.892 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL036730.D

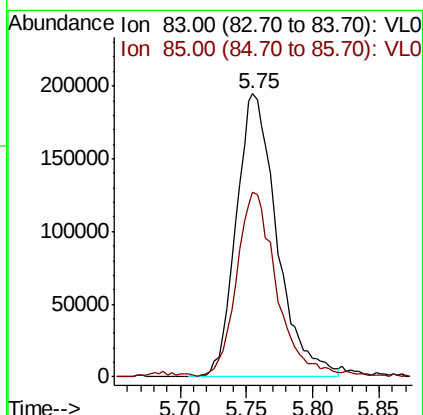
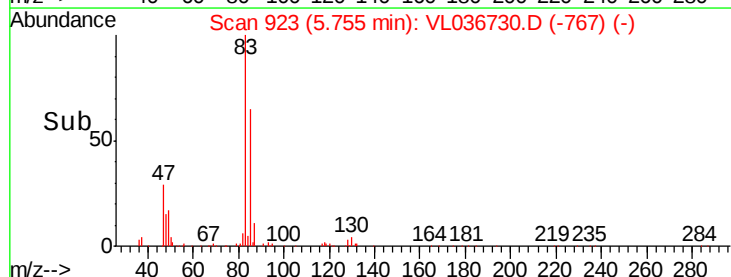
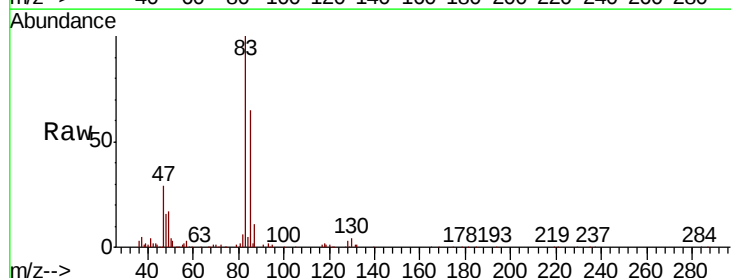
Acq: 7 Apr 2021 17:23

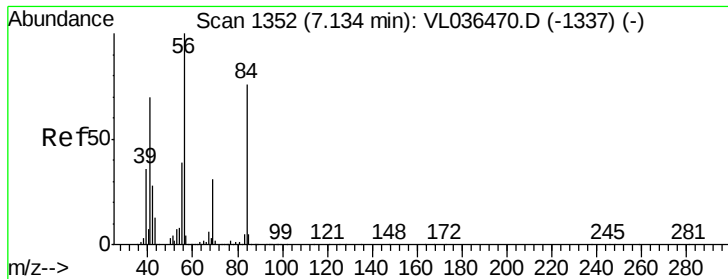
Tgt Ion: 83 Resp: 415959

Ion Ratio Lower Upper

83 100

85 64.4 52.6 78.8





#30

Cyclohexane

Concen: 0.300 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04

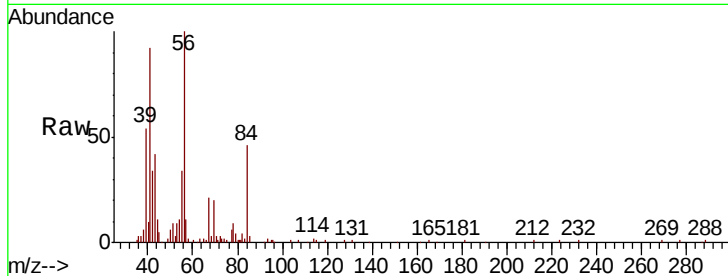
Tot Ion: 84 Resp: 33459

Ion Ratio Lower Upper

84 100

56 0.0 114.6 171.8#

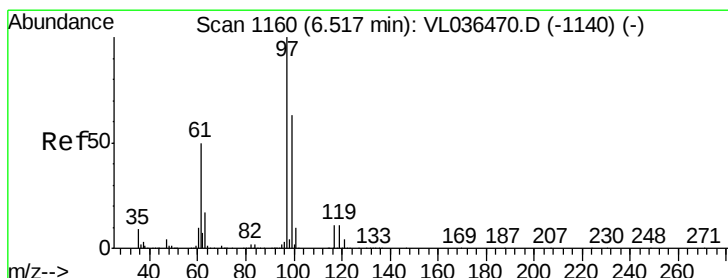
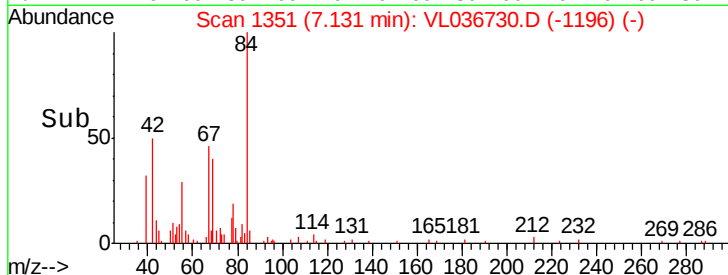
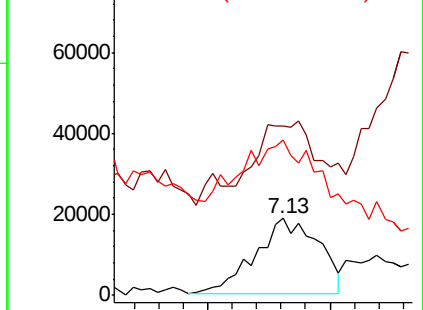
41 0.0 75.3 112.9#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#32

1,1,1-Trichloroethane

Concen: 0.389 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

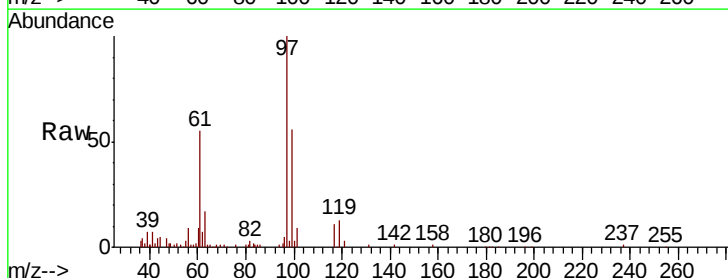
Tgt Ion: 97 Resp: 86296

Ion Ratio Lower Upper

97 100

99 71.5 51.4 77.0

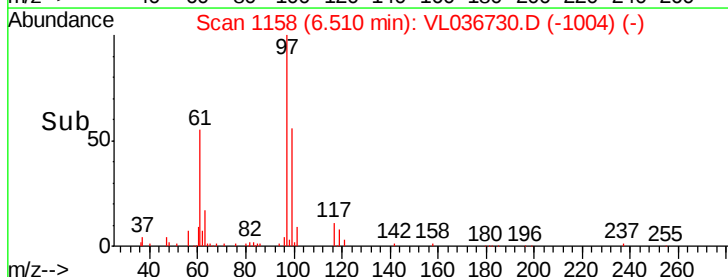
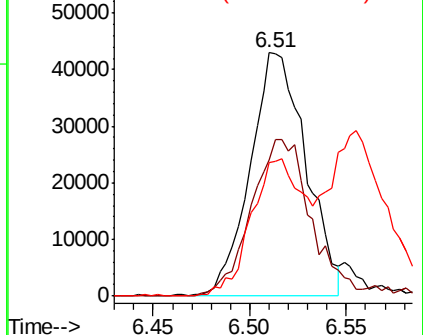
61 53.8 40.6 60.8

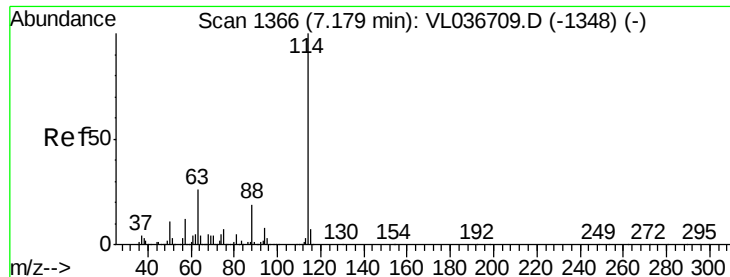


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

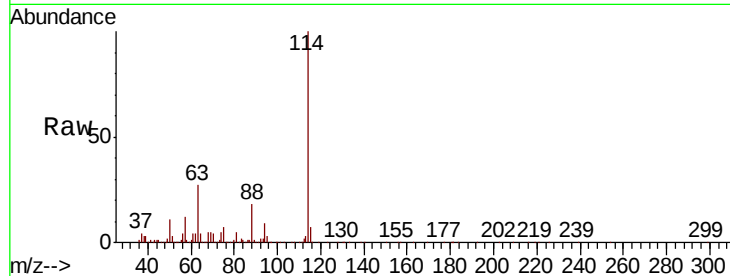




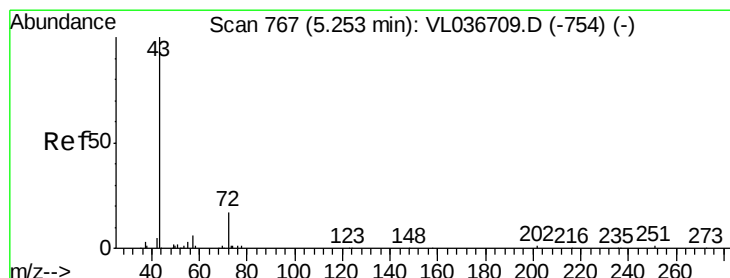
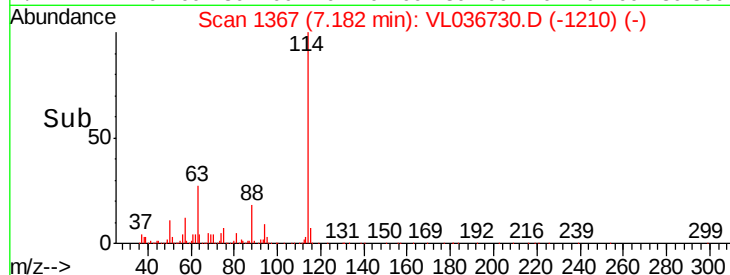
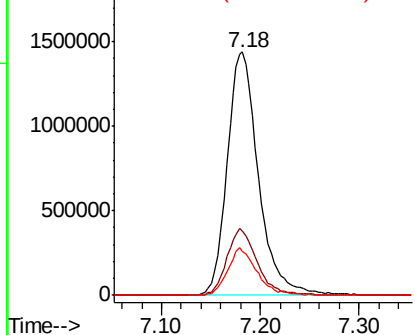
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04

Tot Ion:114 Resp: 3181412
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.4 33.6
 88 18.3 15.4 23.0

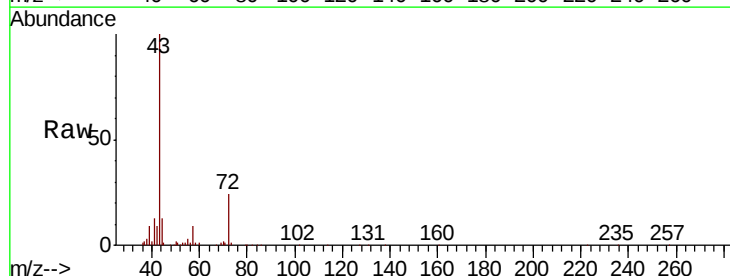


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

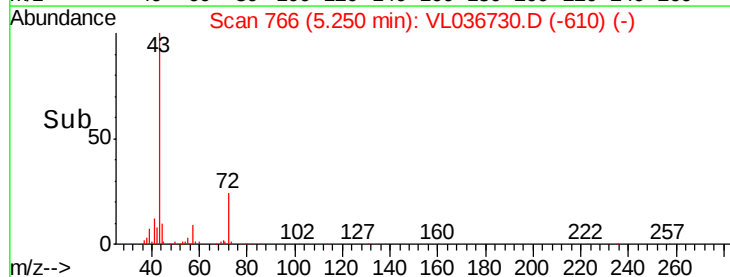
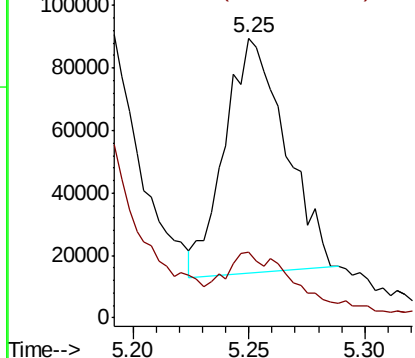


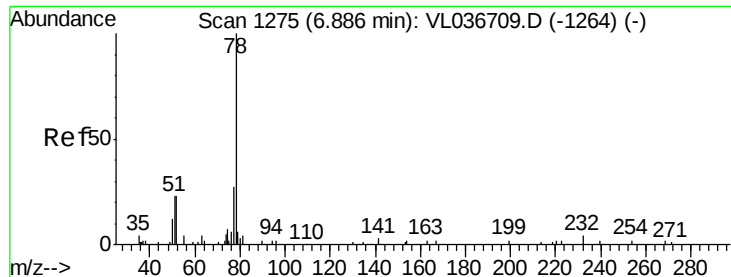
#34
 2-Butanone
 Concen: 0.884 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Tgt Ion: 43 Resp: 137289
 Ion Ratio Lower Upper
 43 100
 72 35.1 17.0 25.6#



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





#36

Benzene

Concen: 24.944 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

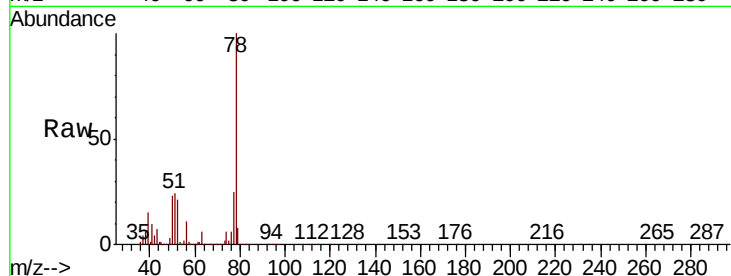
MSVOA_L

ClientSampleId :

FS-SV-04

Tot Ion: 78 Resp: 7318928

Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.0	27.0
50	22.6	16.5	24.7

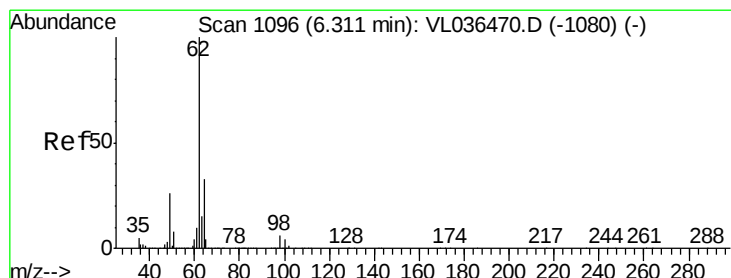
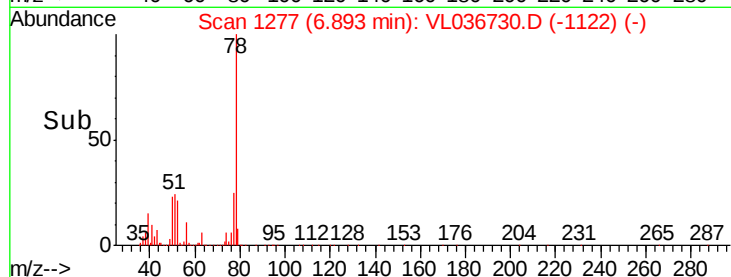
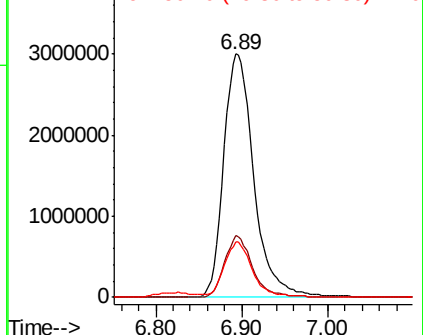


Abundance

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



#37

1,2-Dichloroethane

Concen: 0.299 ppbv

RT: 6.31 min Scan# 1096

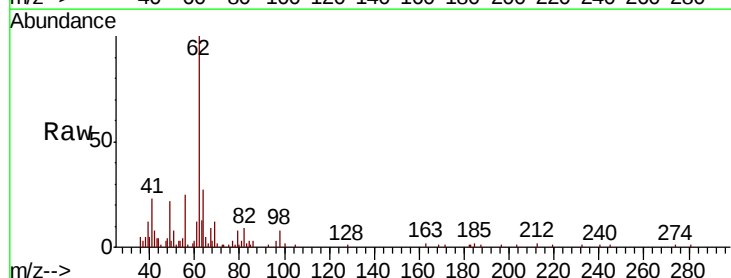
Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Tgt Ion: 62 Resp: 51703

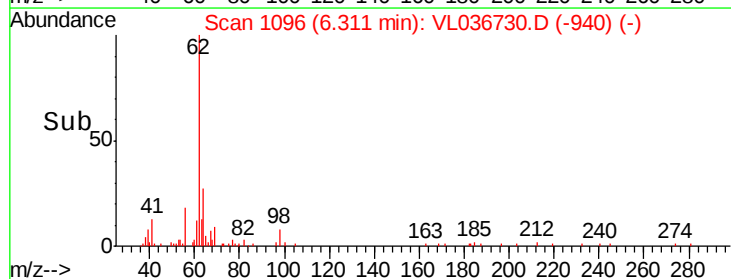
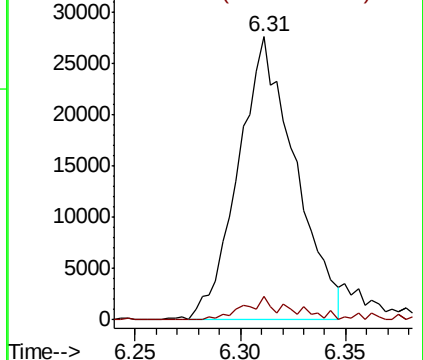
Ion	Ratio	Lower	Upper
62	100		
98	7.3	4.9	7.3

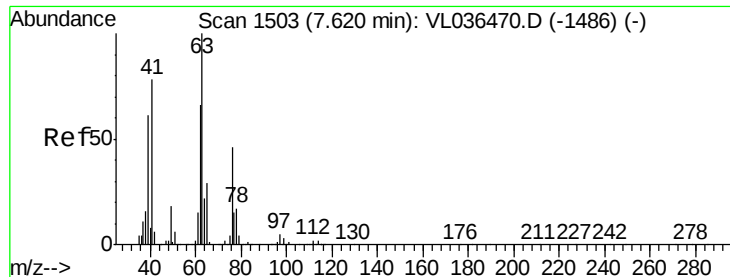


Abundance

Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 6.907 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.44 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04

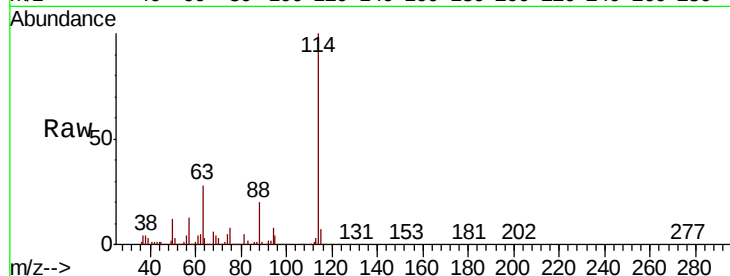
Tot Ion: 63 Resp: 822083

Ion Ratio Lower Upper

63 100

41 0.2 62.4 93.6#

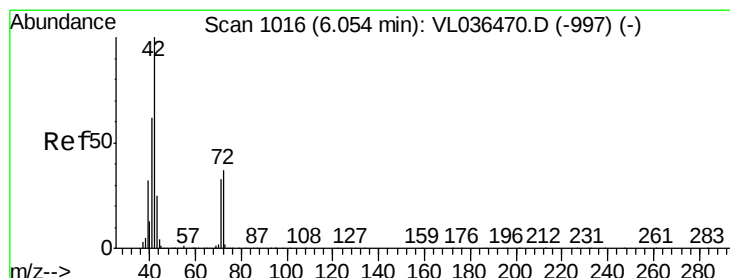
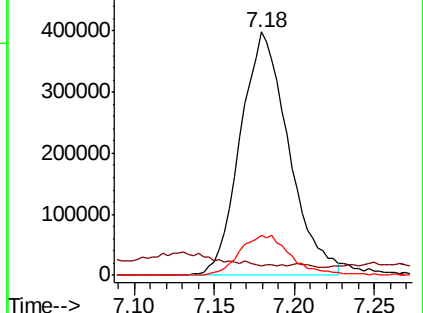
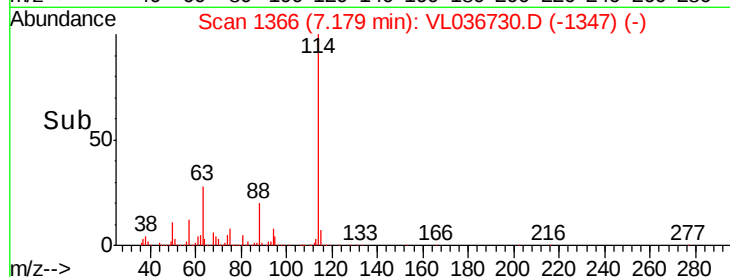
62 16.6 52.8 79.2#



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: 0.071 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.03 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

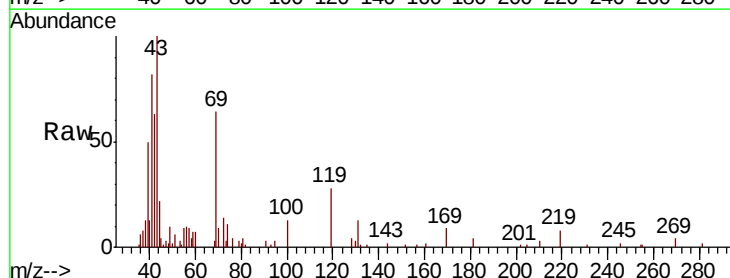
Tgt Ion: 42 Resp: 5109

Ion Ratio Lower Upper

42 100

72 107.8 27.6 41.4#

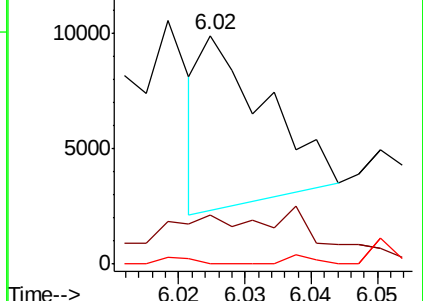
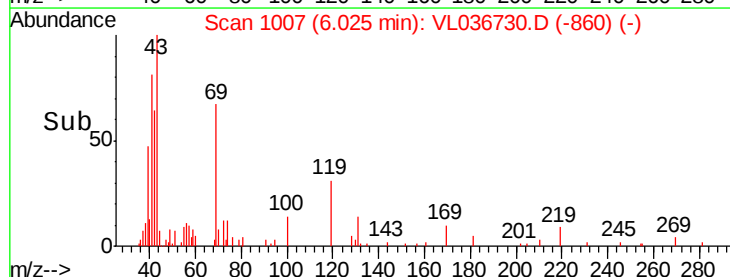
71 0.0 27.0 40.4#

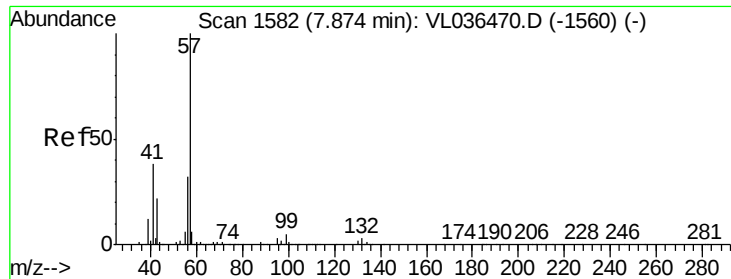


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

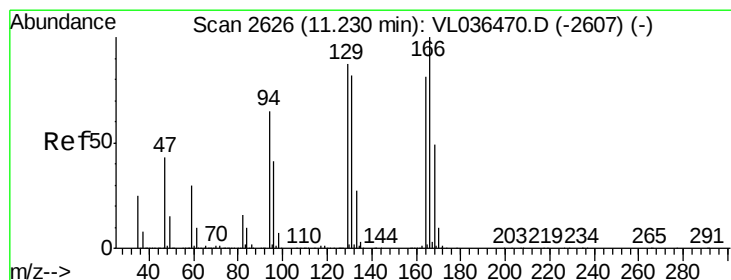
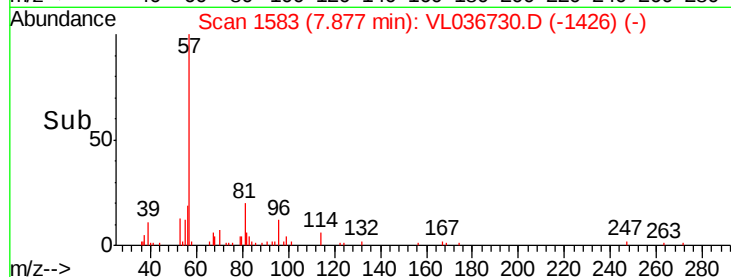
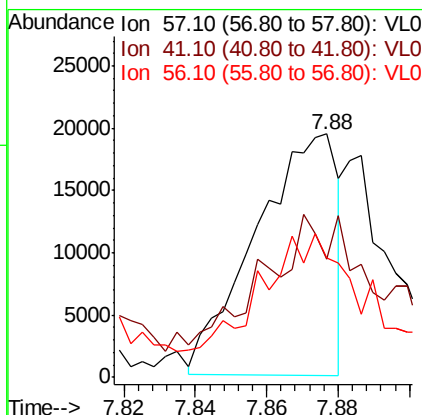
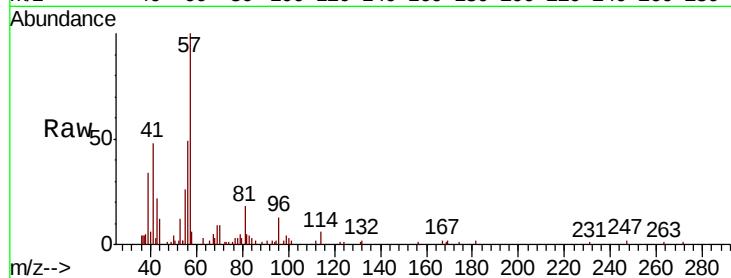




#44
 2,2,4-Trimethylpentane
 Concen: 0.060 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

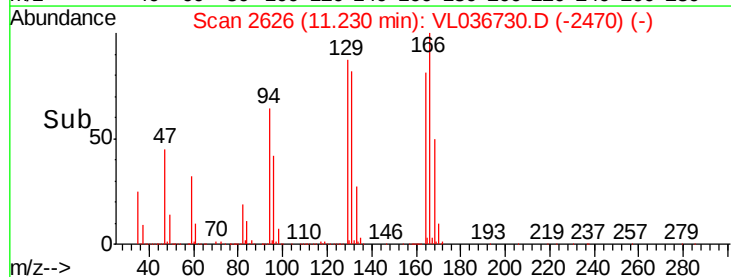
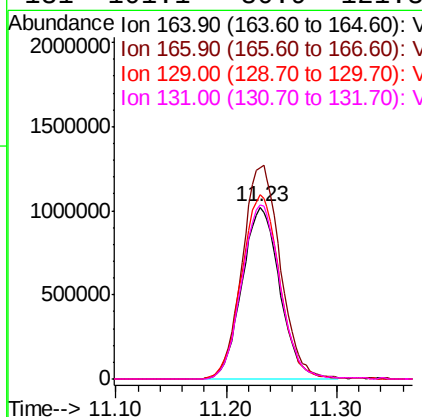
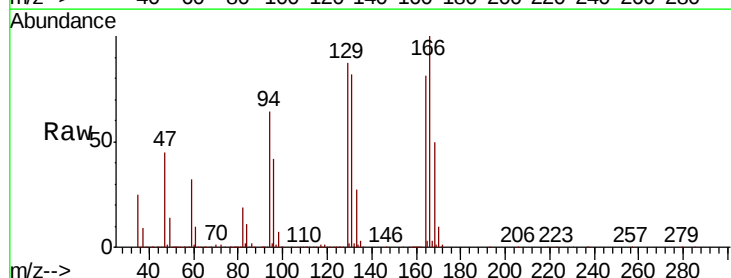
Instrument :
 MSVOA_L
 ClientSampled :
 FS-SV-04

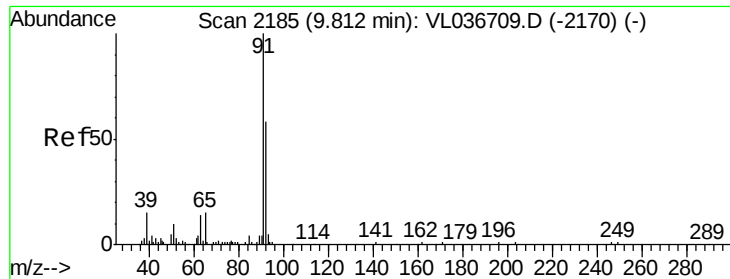
Tot Ion: 57 Resp: 30881
 Ion Ratio Lower Upper
 57 100
 41 80.6 28.8 43.2#
 56 74.9 26.1 39.1#



#52
 Tetrachloroethene
 Concen: 22.330 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. 0.00 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Tgt Ion:164 Resp: 2412642
 Ion Ratio Lower Upper
 164 100
 166 122.8 98.3 147.5
 129 106.9 85.8 128.8
 131 101.1 80.9 121.3





#53

Toluene

Concen: 9.758 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

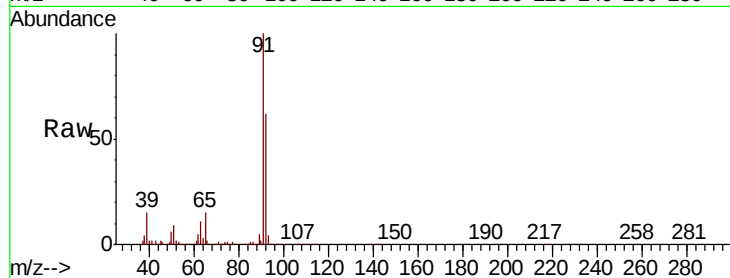
FS-SV-04

Tot Ion: 91 Resp: 3049043

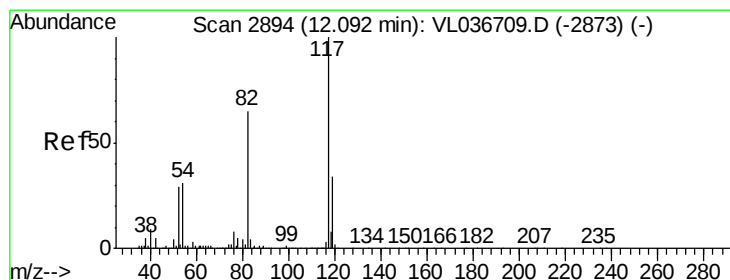
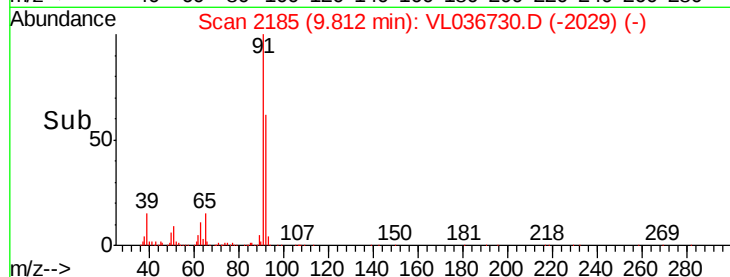
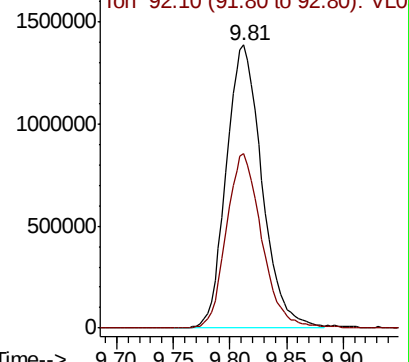
Ion Ratio Lower Upper

91 100

92 61.4 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

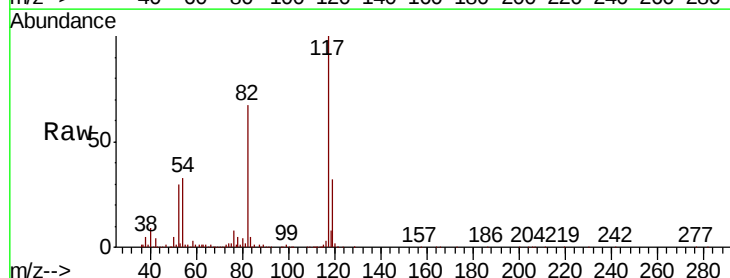
Tgt Ion: 117 Resp: 2769795

Ion Ratio Lower Upper

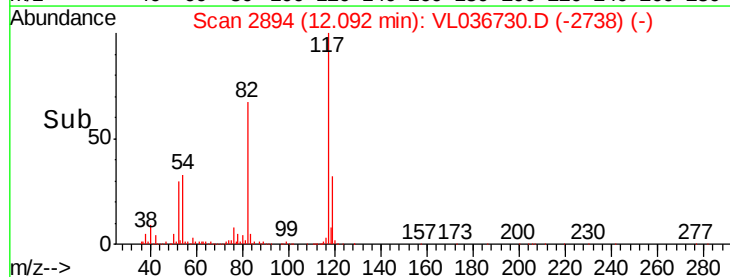
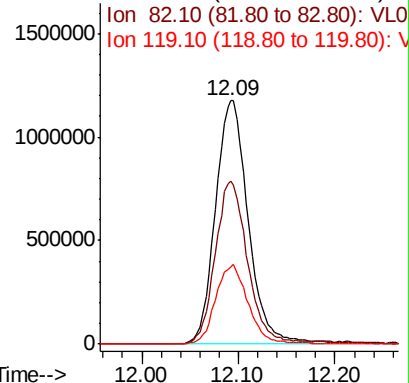
117 100

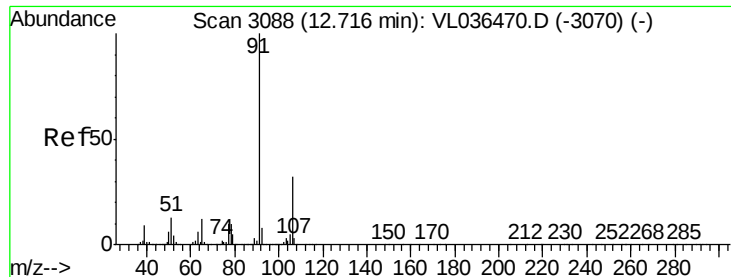
82 66.0 57.4 86.0

119 32.6 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V





#58

Ethyl Benzene

Concen: 5.194 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

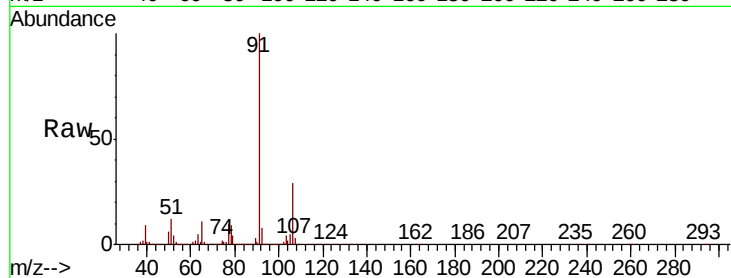
FS-SV-04

Tot Ion: 91 Resp: 2093139

Ion Ratio Lower Upper

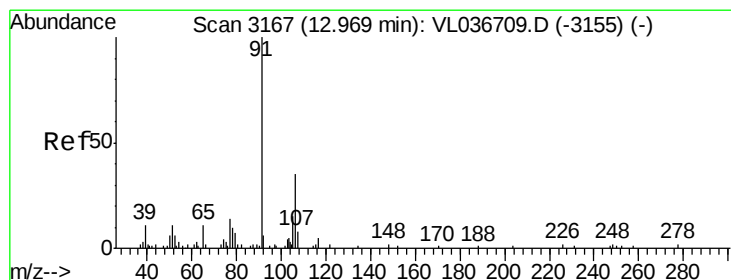
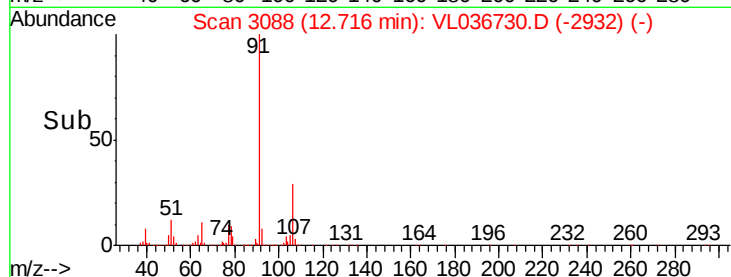
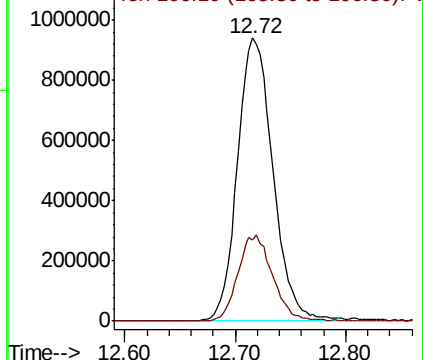
91 100

106 28.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 7.835 ppbv

RT: 13.01 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VL036730.D

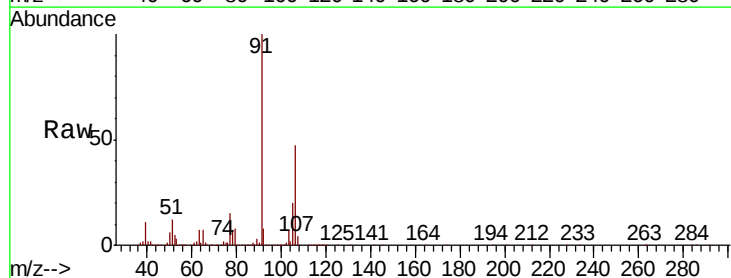
Acq: 7 Apr 2021 17:23

Tgt Ion: 91 Resp: 2753976

Ion Ratio Lower Upper

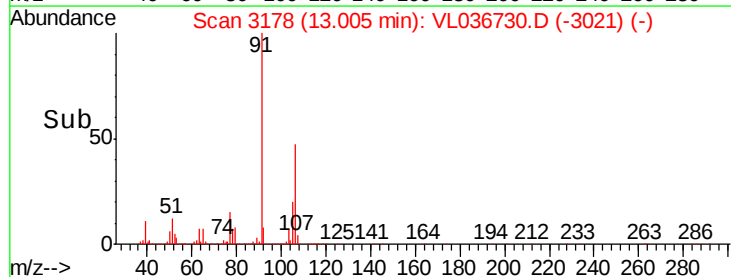
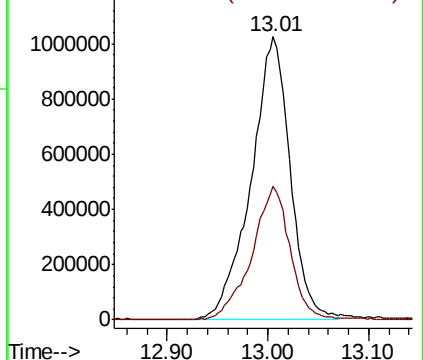
91 100

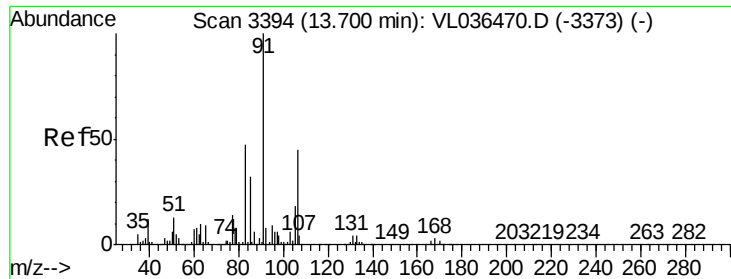
106 46.7 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

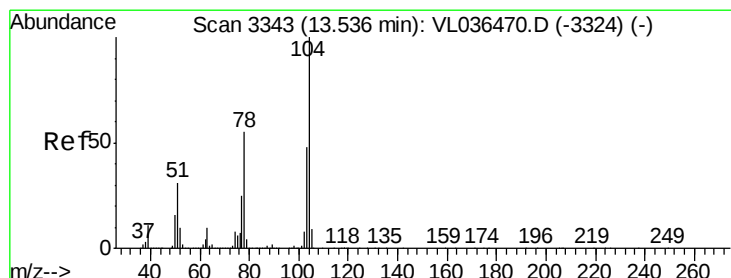
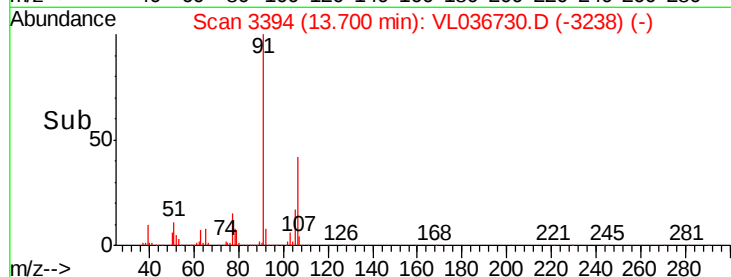
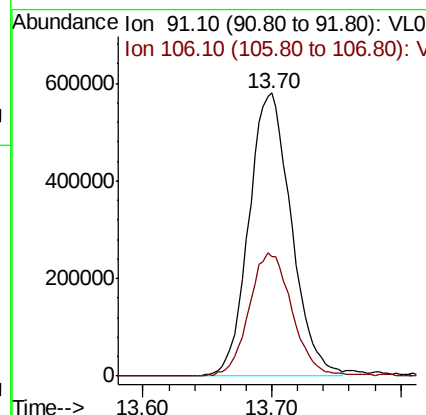
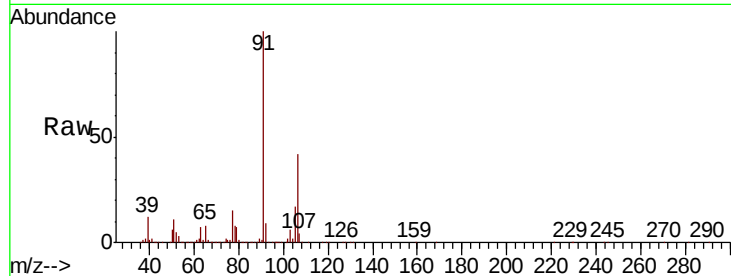




#60
o-Xylene
Concen: 3.893 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL036730.D
Acq: 7 Apr 2021 17:23

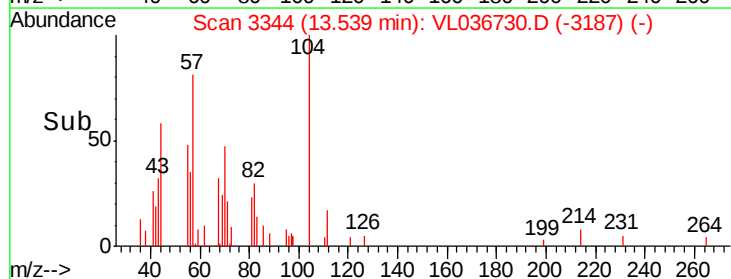
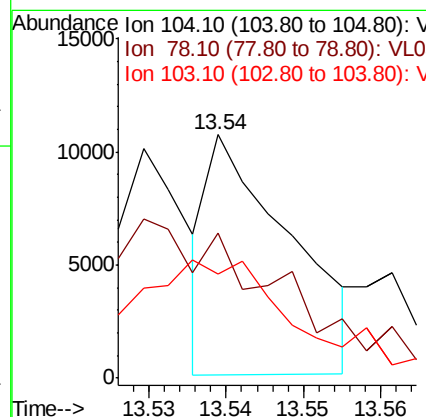
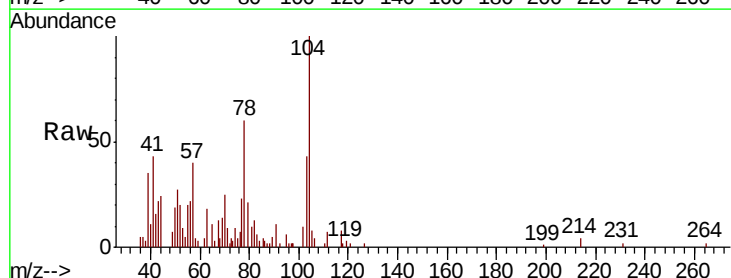
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04

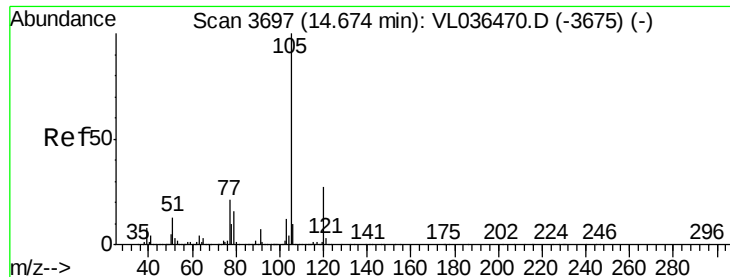
Tot Ion: 91 Resp: 1323152
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9



#61
Styrene
Concen: 0.047 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL036730.D
Acq: 7 Apr 2021 17:23

Tgt Ion: 104 Resp: 7968
Ion Ratio Lower Upper
104 100
78 0.0 43.8 65.8#
103 147.7 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.103 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

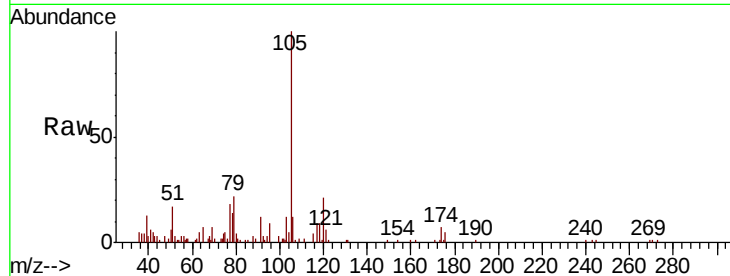
FS-SV-04

Tot Ion:105 Resp: 47156

Ion Ratio Lower Upper

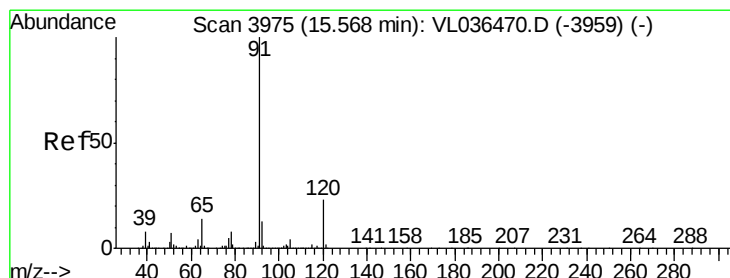
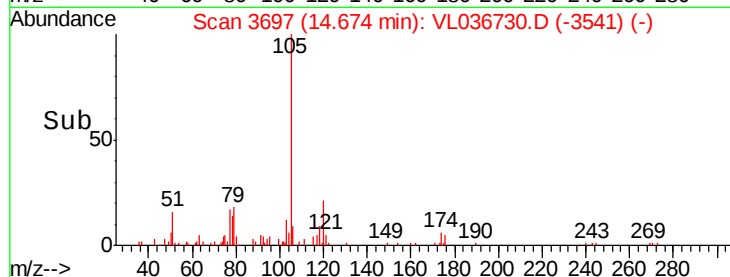
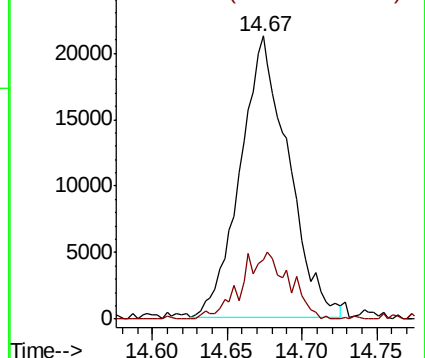
105 100

120 23.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.123 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VL036730.D

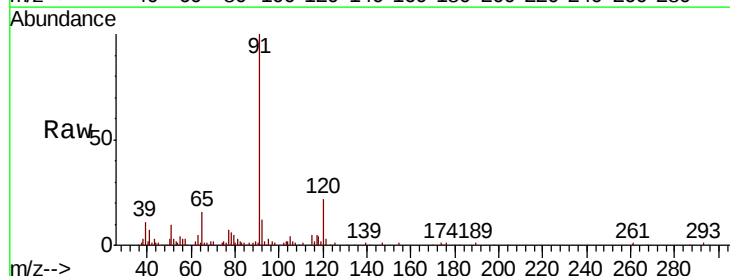
Acq: 7 Apr 2021 17:23

Tgt Ion:120 Resp: 13707

Ion Ratio Lower Upper

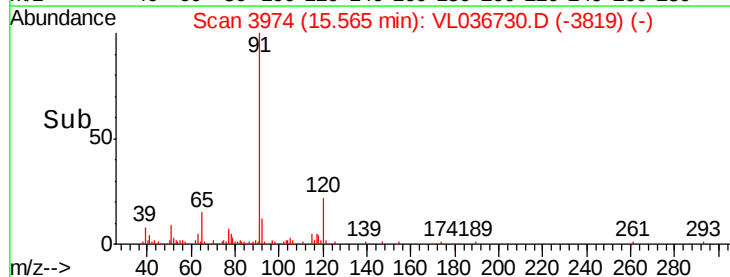
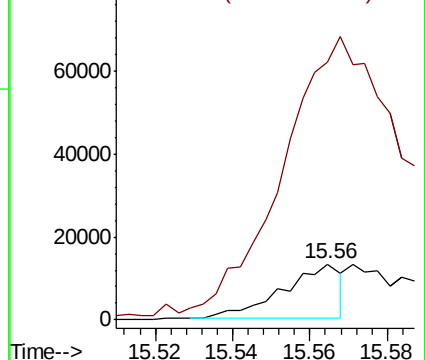
120 100

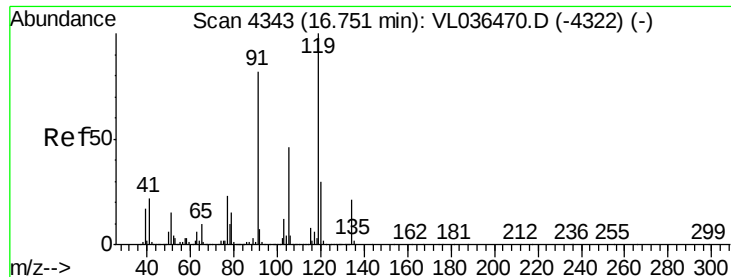
91 1092.5 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

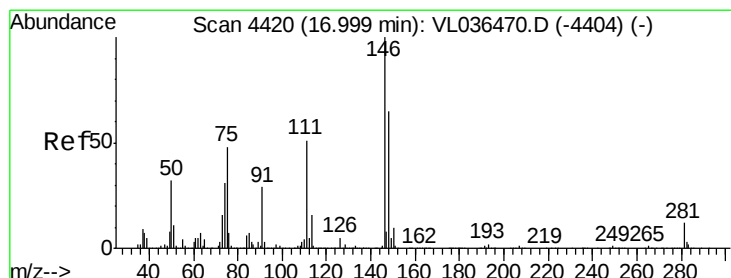
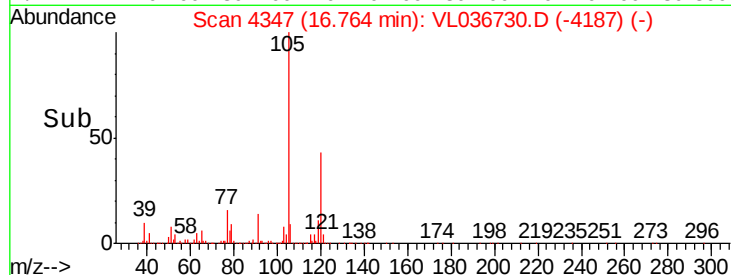
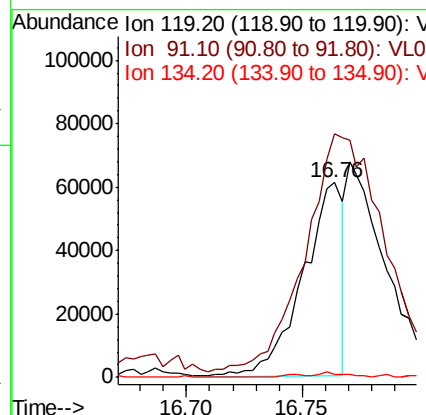
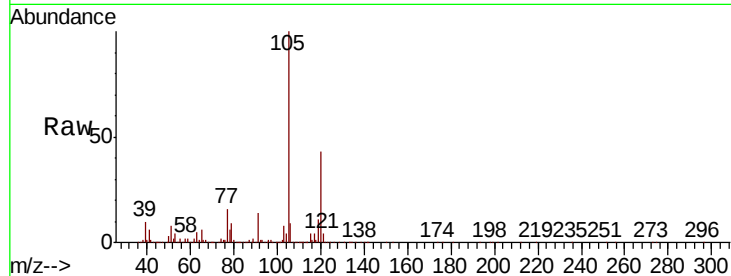




#65
tert-Butylbenzene
Concen: 0.185 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL036730.D
Acq: 7 Apr 2021 17:23

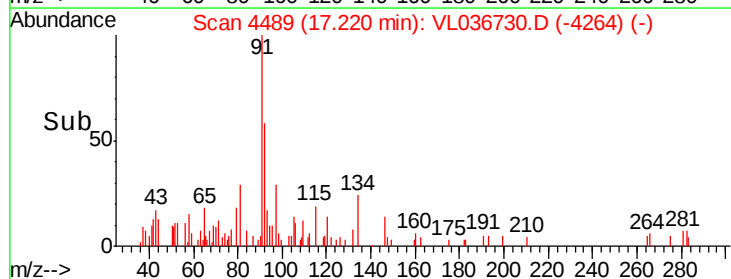
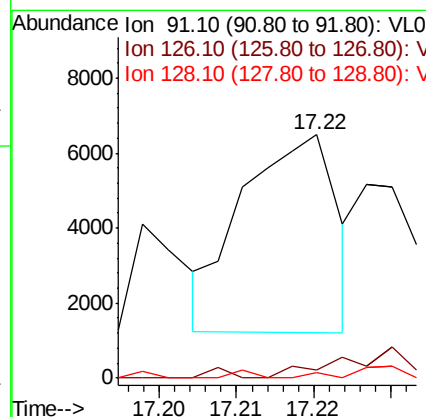
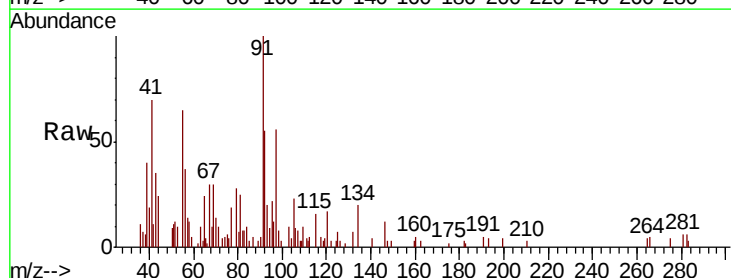
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04

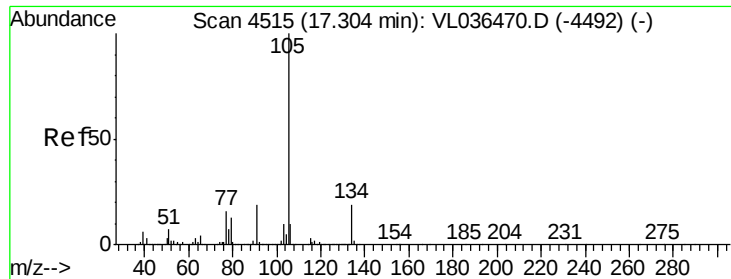
Tot Ion:119 Resp: 73499
Ion Ratio Lower Upper
119 100
91 259.9 67.5 101.3#
134 3.0 15.8 23.8#



#66
Benzyl Chloride
Concen: 0.102 ppbv
RT: 17.22 min Scan# 4489
Delta R.T. 0.22 min
Lab File: VL036730.D
Acq: 7 Apr 2021 17:23

Tgt Ion: 91 Resp: 4471
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 2.0 4.2 6.4#





#67

sec-Butylbenzene

Concen: 1.279 ppbv

RT: 17.61 min Scan# 4609

Delta R.T. 0.30 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

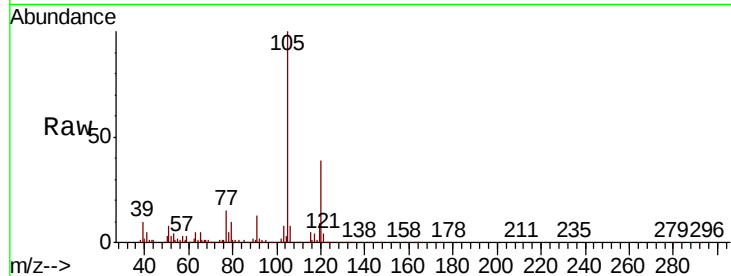
FS-SV-04

Tot Ion:105 Resp: 716495

Ion Ratio Lower Upper

105 100

134 3.9 14.7 22.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.61

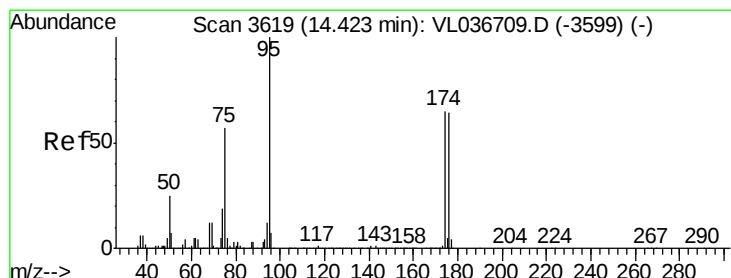
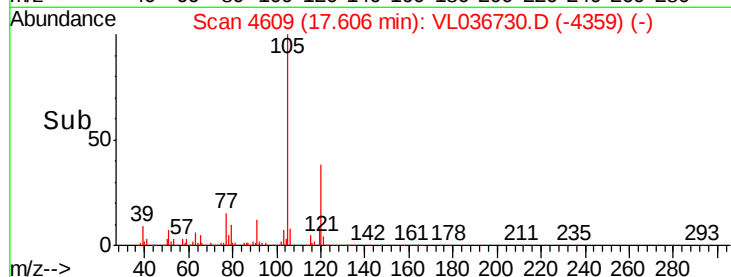
300000

200000

100000

0

Time--> 17.50 17.55 17.60 17.65



#68

1-Bromo-4-Fluorobenzene

Concen: 10.160 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

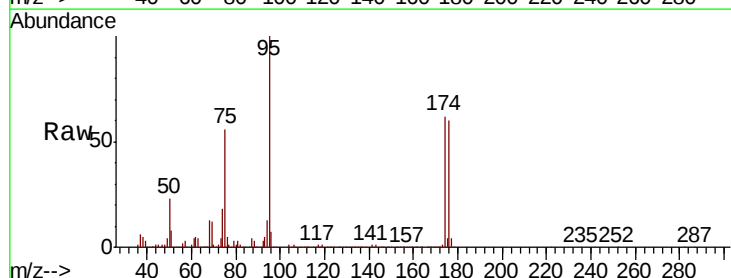
Tgt Ion: 95 Resp: 2242936

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

175 4.5 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

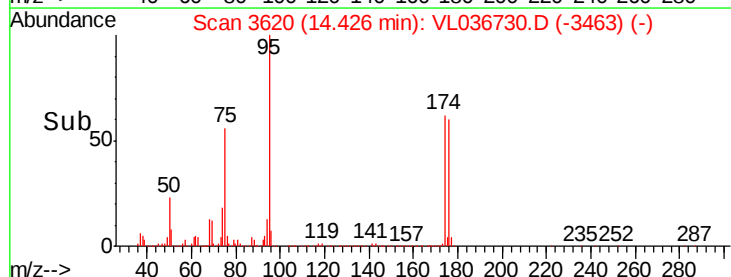
600000

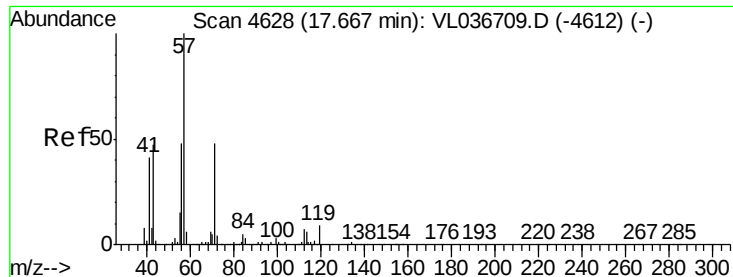
400000

200000

0

Time--> 14.30 14.40 14.50





#69

p-Isopropyltoluene

Concen: 0.129 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04

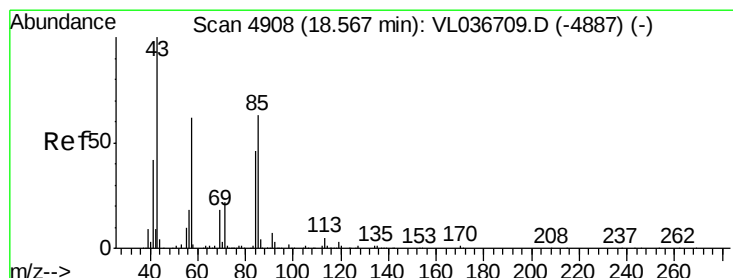
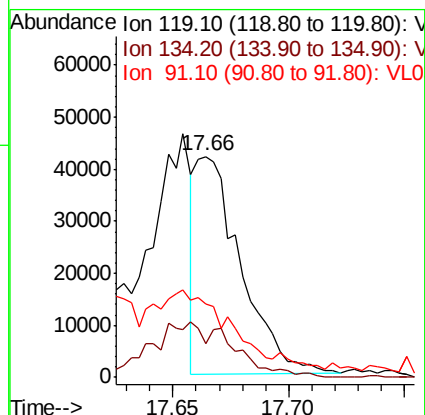
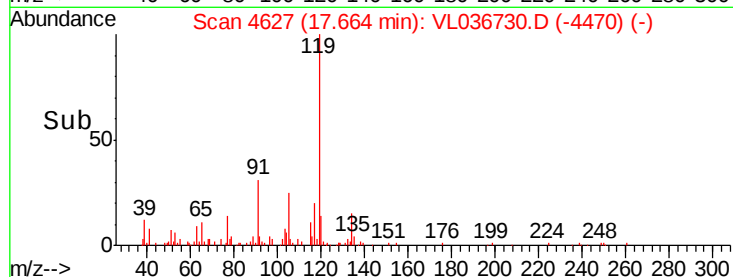
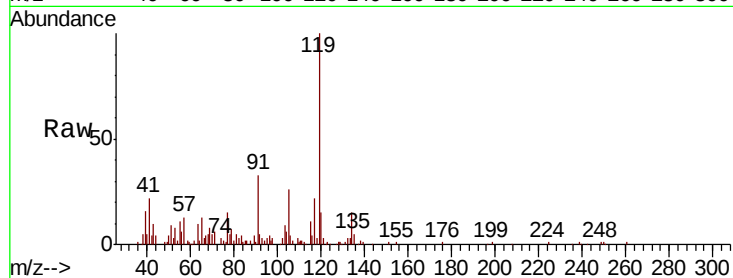
Tot Ion:119 Resp: 56245

Ion Ratio Lower Upper

119 100

134 0.0 20.6 30.8#

91 0.0 25.0 37.6#



#70

n-Butylbenzene

Concen: 0.082 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

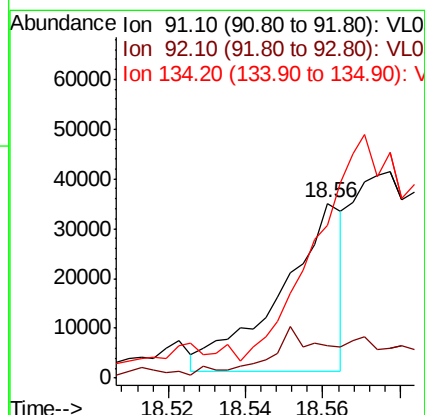
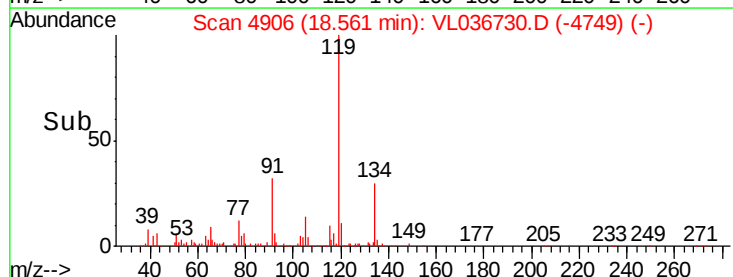
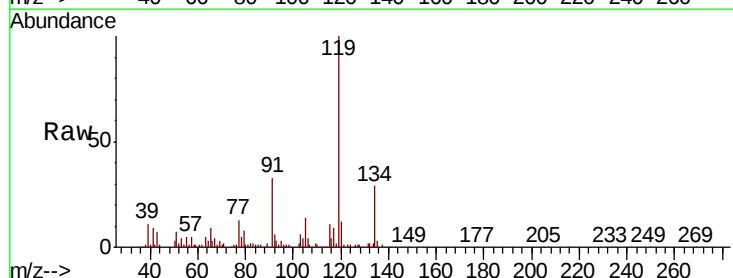
Tgt Ion: 91 Resp: 37173

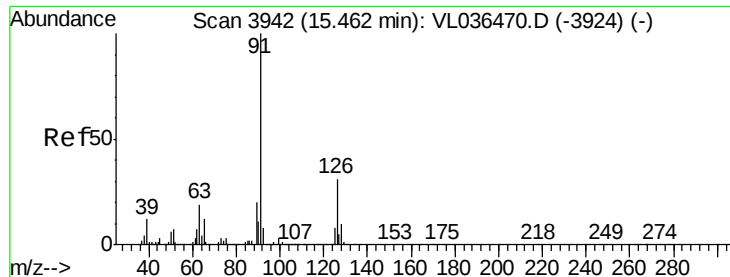
Ion Ratio Lower Upper

91 100

92 64.5 43.8 65.8

134 0.0 18.0 27.0#





#71

2-Chlorotoluene

Concen: 0.430 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.11 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

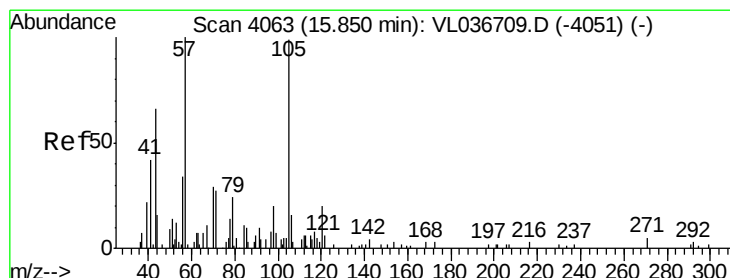
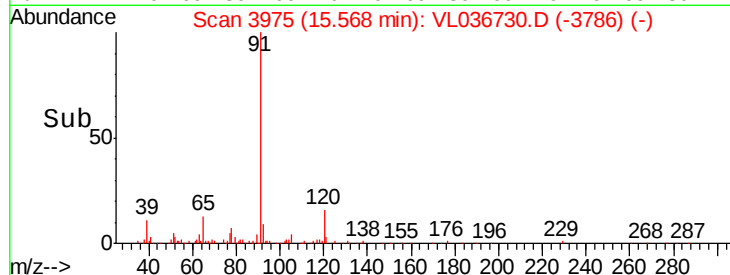
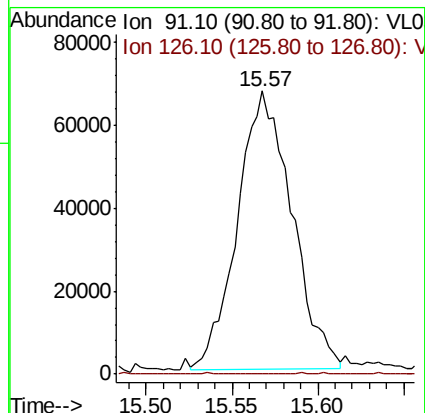
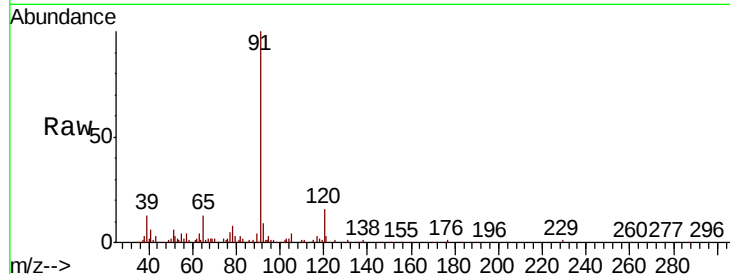
FS-SV-04

Tot Ion: 91 Resp: 147486

Ion Ratio Lower Upper

91 100

126 0.1 12.1 48.5#



#72

4-Ethyltoluene

Concen: 0.718 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Tgt Ion:105 Resp: 267256

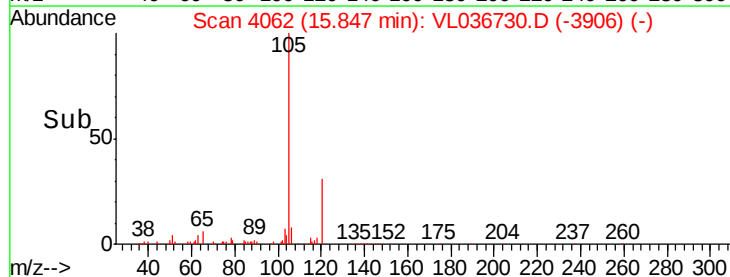
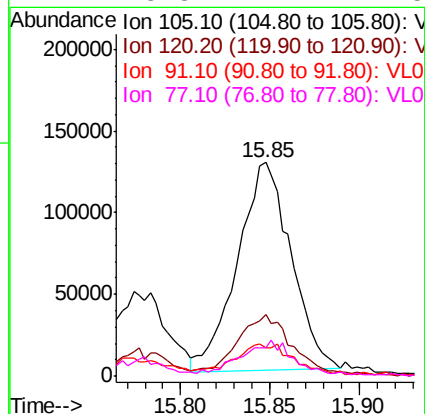
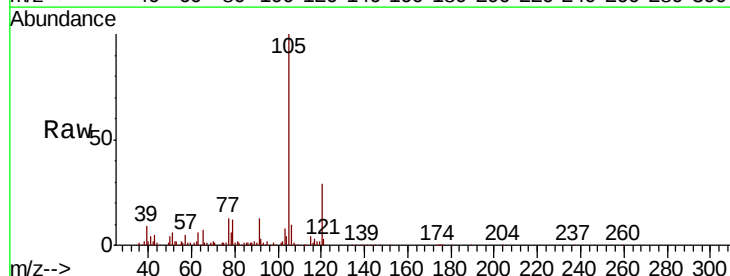
Ion Ratio Lower Upper

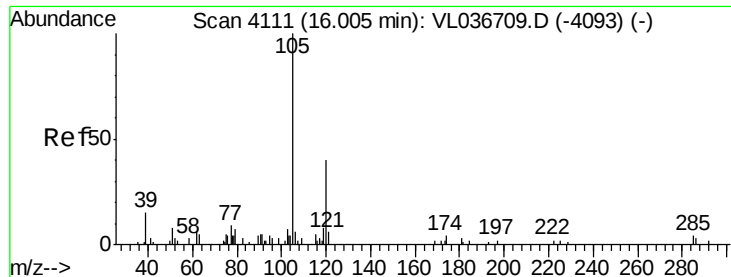
105 100

120 31.3 24.0 36.0

91 16.9 11.0 16.4#

77 15.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 1.506 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

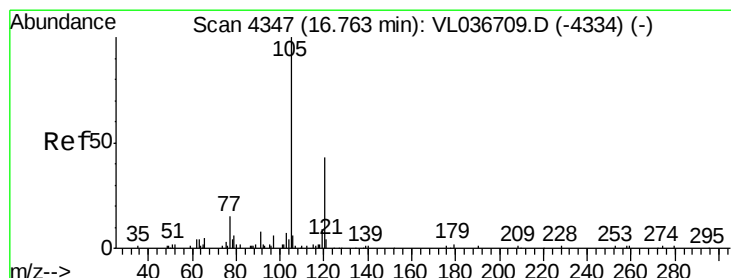
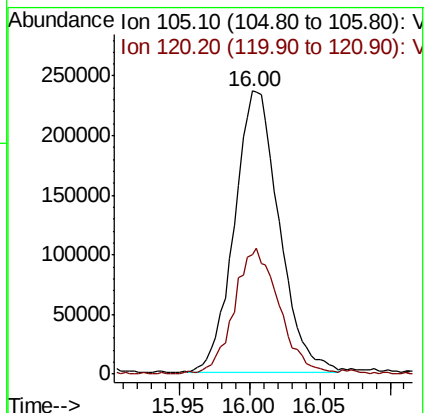
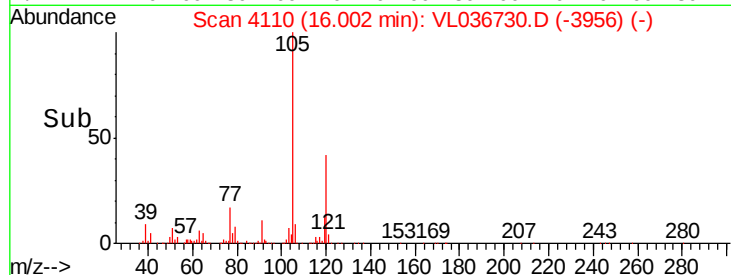
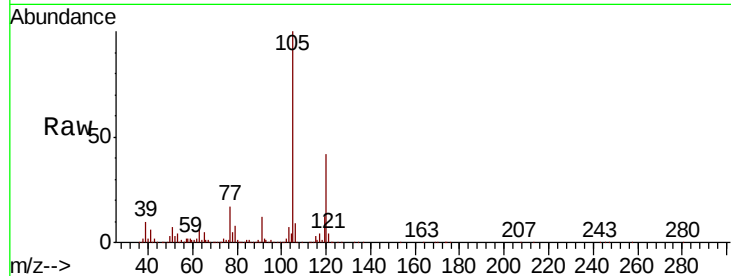
FS-SV-04

Tot Ion:105 Resp: 523468

Ion Ratio Lower Upper

105 100

120 41.8 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 3.663 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Tgt Ion:105 Resp: 1362300

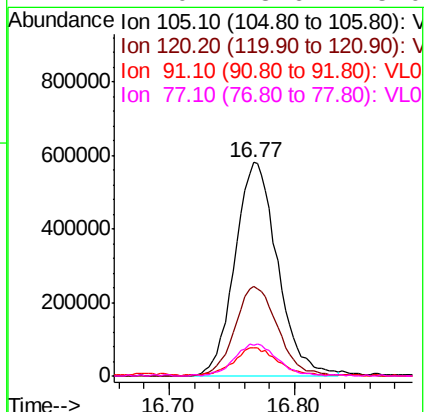
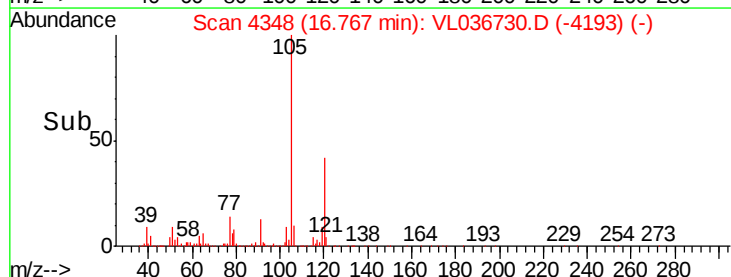
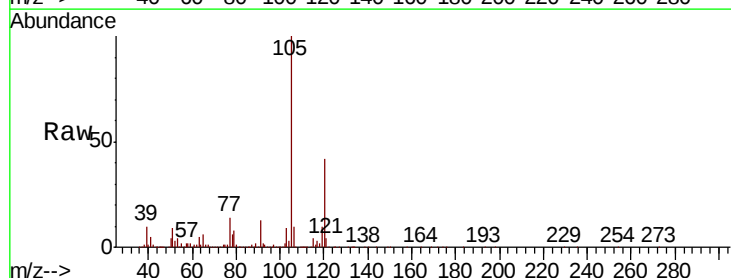
Ion Ratio Lower Upper

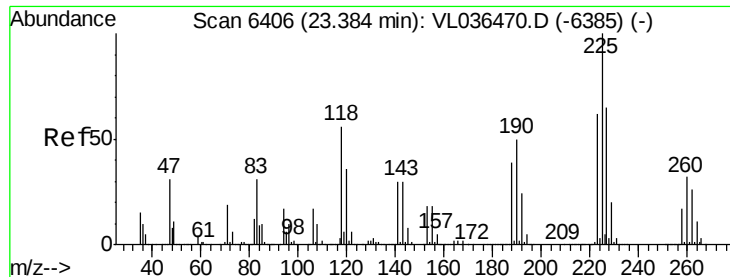
105 100

120 42.2 39.2 58.8

91 12.7 42.6 64.0#

77 14.0 18.6 28.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.090 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. -0.00 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04

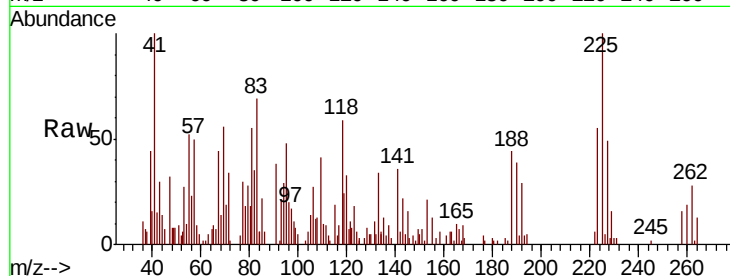
Tot Ion:225 Resp: 15918

Ion Ratio Lower Upper

225 100

223 96.4 50.6 75.8#

227 103.0 52.2 78.2#

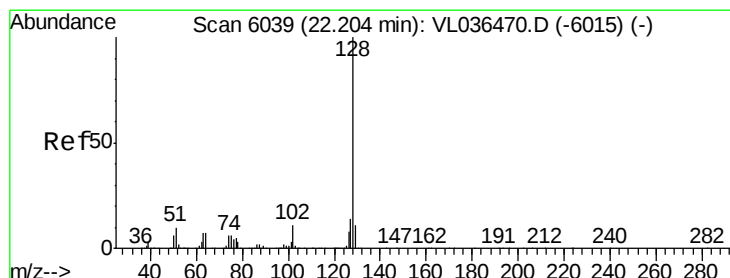
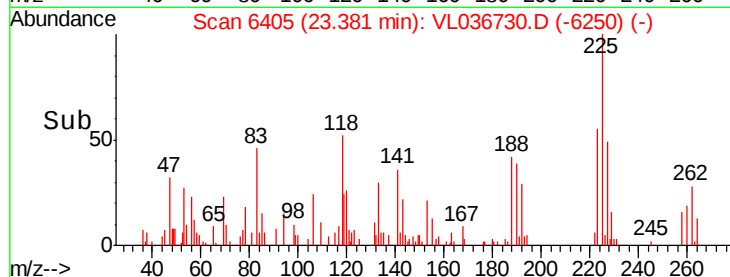
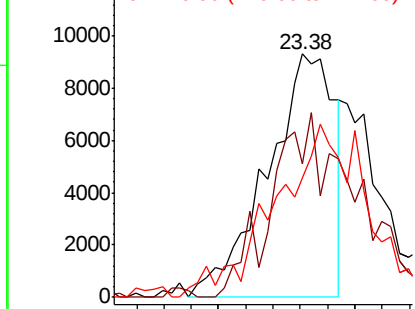


Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 2.356 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. 0.01 min

Lab File: VL036730.D

Acq: 7 Apr 2021 17:23

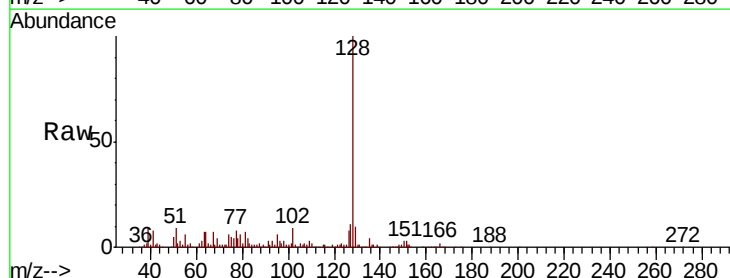
Tgt Ion:128 Resp: 511273

Ion Ratio Lower Upper

128 100

127 10.4 10.9 16.3#

129 10.1 9.0 13.4

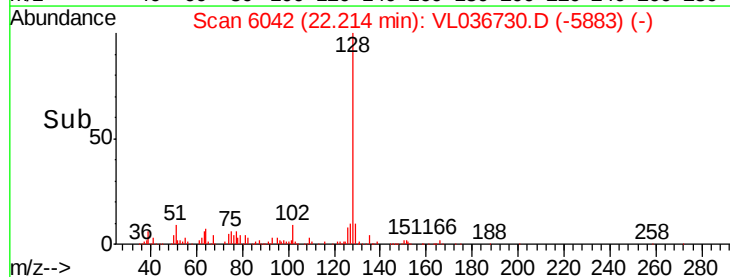
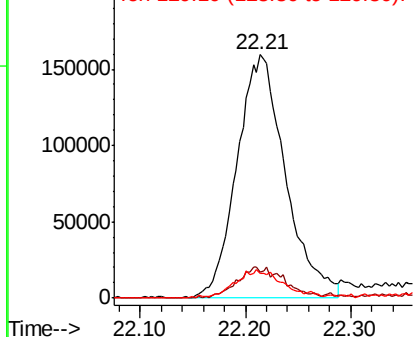


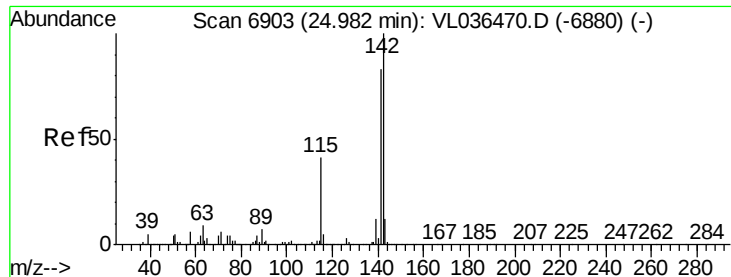
Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

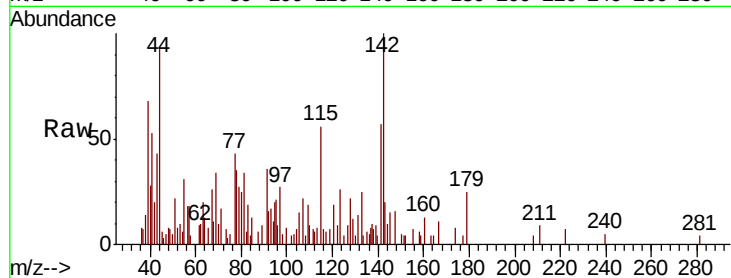




#80
 Naphthalene, 2-methyl-
 Concen: 0.299 ppbv
 RT: 24.97 min Scan# 6900
 Delta R.T. -0.01 min
 Lab File: VL036730.D
 Acq: 7 Apr 2021 17:23

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04

Tot Ion	Ratio	Lower	Upper
142	100		
141	107.5	67.8	101.8#
115	61.6	34.0	51.0#



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

