

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036648.D
 Acq On : 2 Apr 2021 17:06
 Operator : SY/AP
 Sample : M1841-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:57:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1271851	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3311883	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2996070	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2357431	9.87	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	38566	0.186	ppbv 94
3) Chlorodifluoromethane	2.95	51	173841	0.732	ppbv # 69
4) Chloromethane	3.13	50	14698	0.175	ppbv 91
9) Propene	3.01	41	70427	0.930	ppbv 86
10) Heptane	8.11	43	263462	1.365	ppbv 99
11) Trichlorofluoromethane	3.94	101	41928	0.198	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5674	0.042	ppbv # 11
13) Ethanol	3.61	45	1006006	111.516	ppbv 93
15) Acetone	3.84	43	10858176	86.741	ppbv 93
16) 1,3-Butadiene	3.30	39	439207	5.040	ppbv # 20
17) tert-Butyl alcohol	4.29	59	624036	5.727	ppbv 99
19) Isopropyl Alcohol	3.97	45	4612554	66.984	ppbv # 1
20) Methylene Chloride	4.34	84	3154534	53.823	ppbv 95
21) Allyl Chloride	4.33	41	174004	1.744	ppbv # 30
23) Vinyl Acetate	5.05	43	133638	0.624	ppbv # 39
25) Ethyl Acetate	5.67	43	1844648	6.198	ppbv # 78
26) Hexane	5.68	57	2482298	17.974	ppbv # 47
27) Carbon Disulfide	4.54	76	22843	0.168	ppbv # 25
28) Methyl tert-Butyl Ether	5.02	73	9009	0.055	ppbv # 25
29) Chloroform	5.74	83	295065	1.336	ppbv 94
30) Cyclohexane	7.12	84	10649	0.095	ppbv # 1
34) 2-Butanone	5.24	43	1134328	7.017	ppbv 98
35) Carbon Tetrachloride	7.01	117	7845	0.031	ppbv # 60
36) Benzene	6.88	78	374012	1.224	ppbv 98
39) 1,2-Dichloropropane	7.17	63	869188	7.015	ppbv # 23
40) 1,4-Dioxane	7.83	88	580	0.020	ppbv # 1
41) Tetrahydrofuran	6.31	42	21946	0.294	ppbv # 63
42) Bromodichloromethane	7.78	83	158571	0.648	ppbv # 82
43) Methyl Methacrylate	8.01	69	5520	0.054	ppbv # 1
44) 2,2,4-Trimethylpentane	7.85	57	398631	0.742	ppbv 95
48) Dibromochloromethane	10.29	129	15326	0.080	ppbv # 10
50) 4-Methyl-2-Pentanone	8.73	43	11273	0.048	ppbv # 1
51) 2-Hexanone	10.14	43	19737	0.167	ppbv # 4
52) Tetrachloroethene	11.21	164	177395	1.577	ppbv 95
53) Toluene	9.79	91	969407	2.980	ppbv 98
58) Ethyl Benzene	12.70	91	339136	0.778	ppbv 99
59) m/p-Xylene	12.96	91	1202052	3.162	ppbv 97
60) o-Xylene	13.68	91	630187	1.714	ppbv 100
61) Styrene	13.52	104	8848	0.048	ppbv # 1
62) Isopropylbenzene	14.66	105	73981	0.149	ppbv 95
64) n-propylbenzene	15.55	120	31446	0.260	ppbv # 1

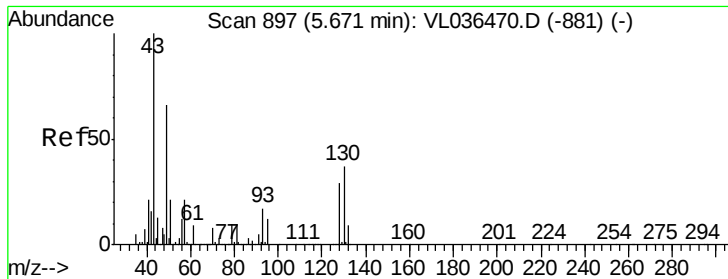
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036648.D
 Acq On : 2 Apr 2021 17:06
 Operator : SY/AP
 Sample : M1841-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:57:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.75	119	135579	0.316	ppbv #	71
67) sec-Butylbenzene	17.28	105	50288	0.083	ppbv	98
69) p-Isopropyltoluene	17.64	119	55961	0.118	ppbv	94
70) n-Butylbenzene	18.54	91	41256	0.084	ppbv #	55
71) 2-Chlorotoluene	15.55	91	244494	0.659	ppbv #	45
72) 4-Ethyltoluene	15.83	105	341856	0.849	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	369531	0.983	ppbv	93
74) 1,2,4-Trimethylbenzene	16.75	105	1214444	3.019	ppbv #	66
80) Naphthalene,2-methyl-	24.97	142	2766	0.060	ppbv #	21

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :
MSVOA_L
ClientSampled :

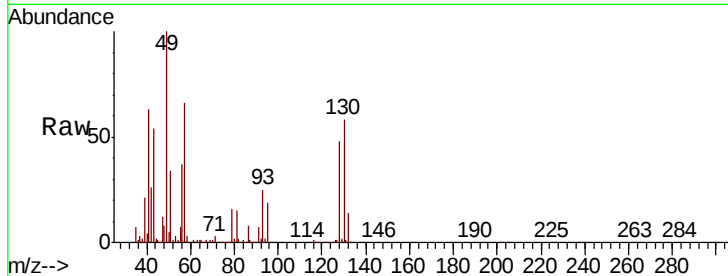
Tot Ion: 49 Resp: 1271851

Ion Ratio Lower Upper

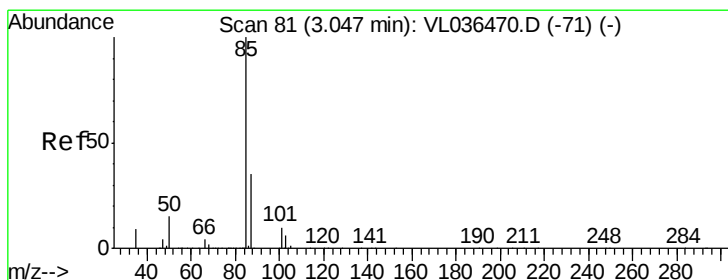
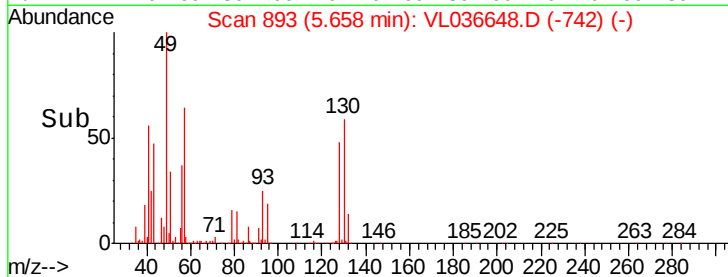
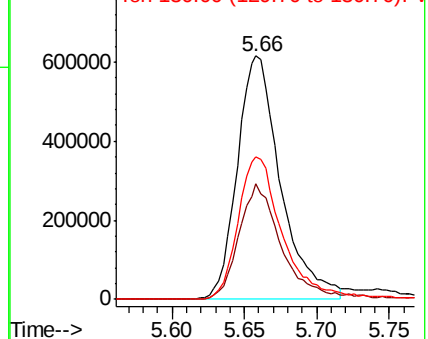
49 100

128 48.1 23.5 70.6

130 61.7 29.1 87.4



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: 0.186 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036648.D

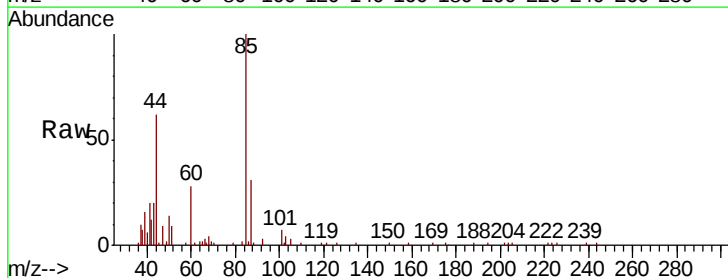
Acq: 2 Apr 2021 17:06

Tgt Ion: 85 Resp: 38566

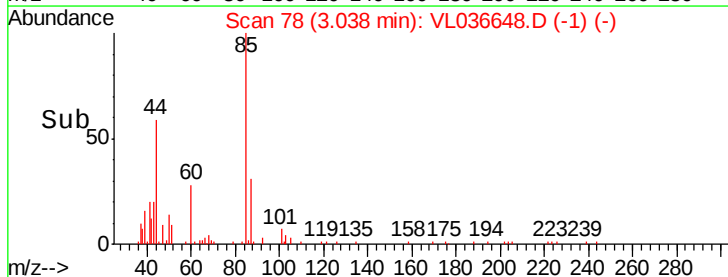
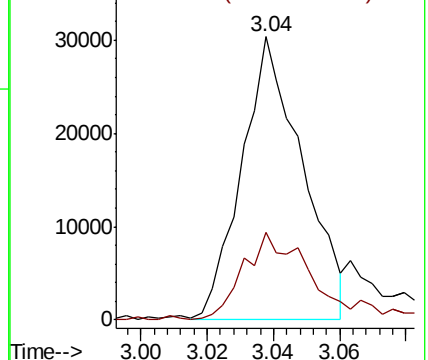
Ion Ratio Lower Upper

85 100

87 31.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.732 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.03 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

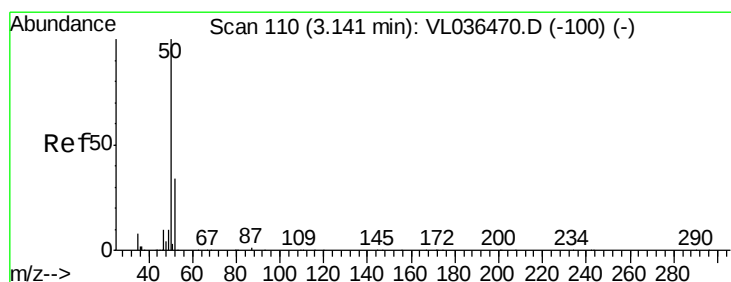
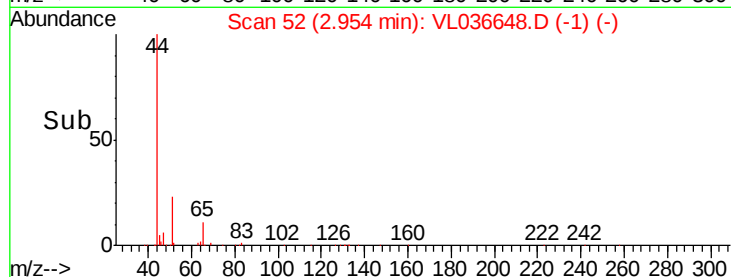
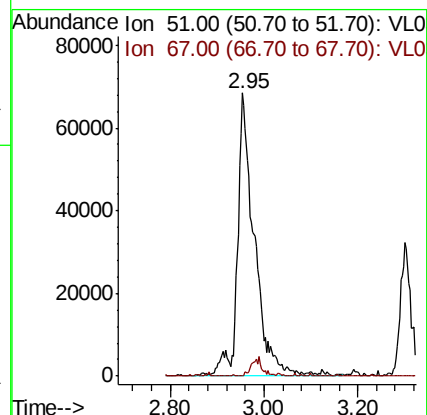
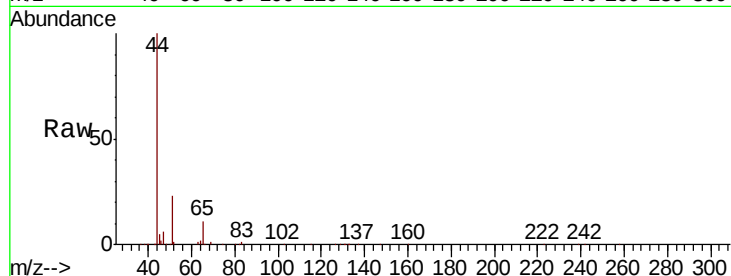
ClientSampleId :

Tot Ion: 51 Resp: 173841

Ion Ratio Lower Upper

51 100

67 4.4 14.7 22.1#



#4

Chloromethane

Concen: 0.175 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036648.D

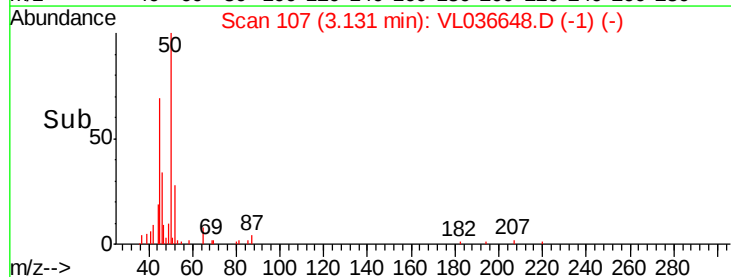
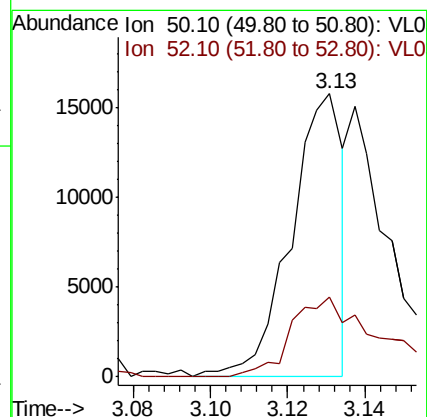
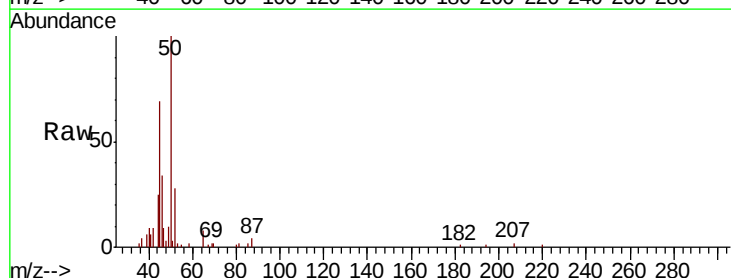
Acq: 2 Apr 2021 17:06

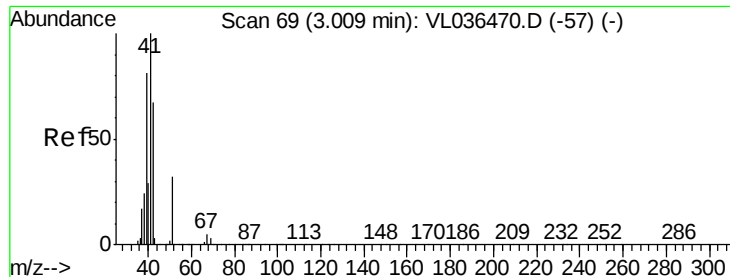
Tgt Ion: 50 Resp: 14698

Ion Ratio Lower Upper

50 100

52 28.4 27.0 40.6





#9

Propene

Concen: 0.930 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

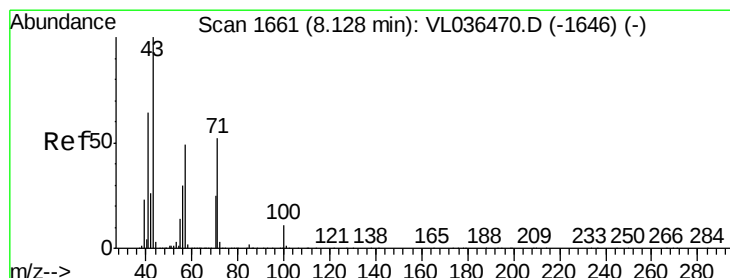
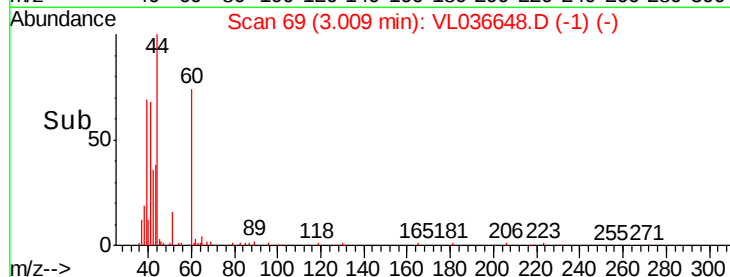
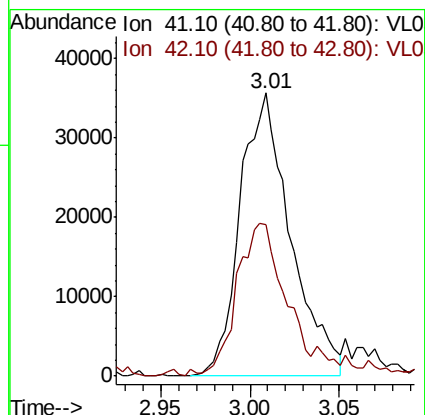
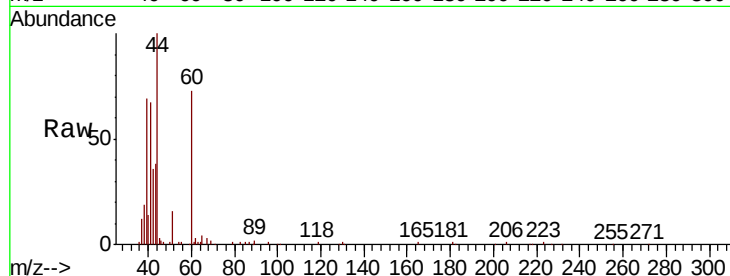
ClientSampleId :

Tot Ion: 41 Resp: 70427

Ion Ratio Lower Upper

41 100

42 59.3 57.0 85.4



#10

Heptane

Concen: 1.365 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL036648.D

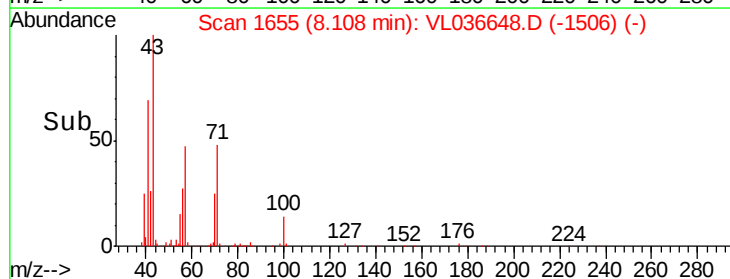
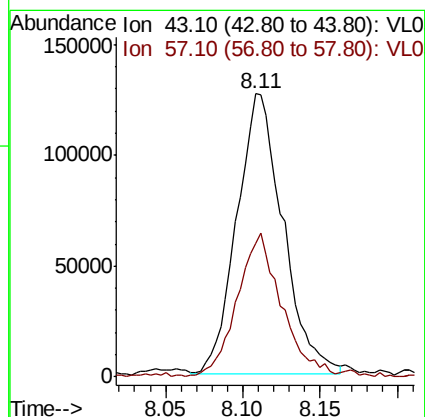
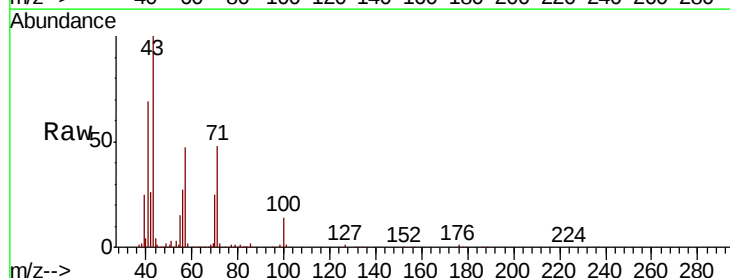
Acq: 2 Apr 2021 17:06

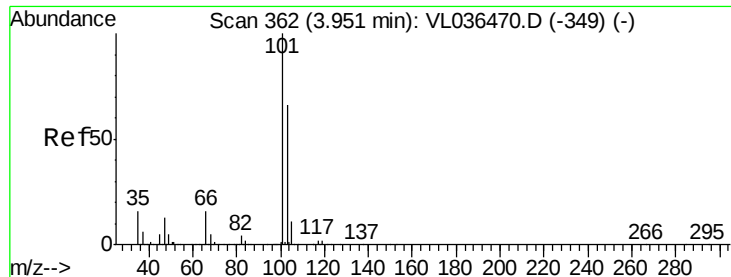
Tgt Ion: 43 Resp: 263462

Ion Ratio Lower Upper

43 100

57 49.4 39.0 58.6

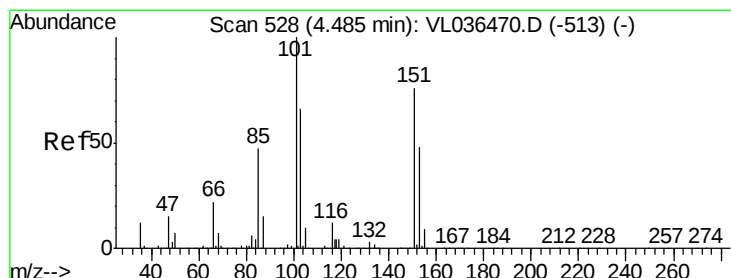
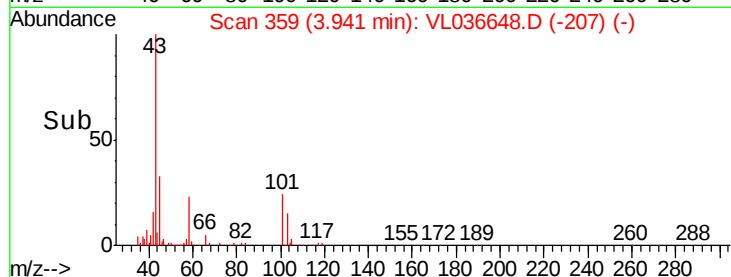
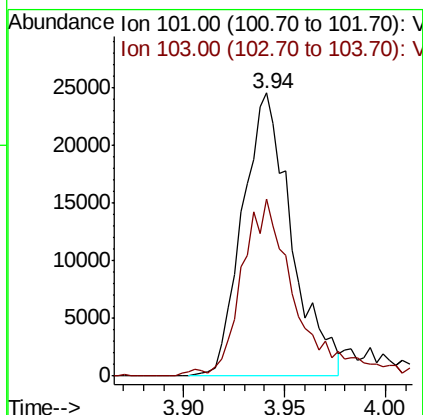
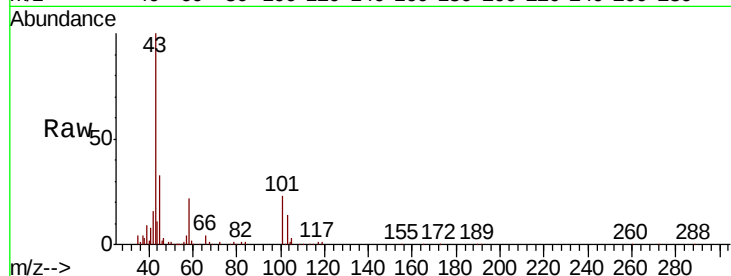




#11
 Trichlorofluoromethane
 Concen: 0.198 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

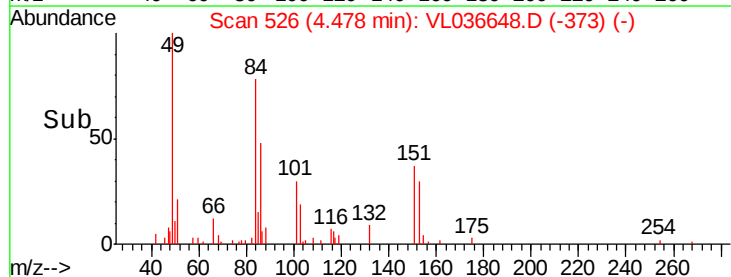
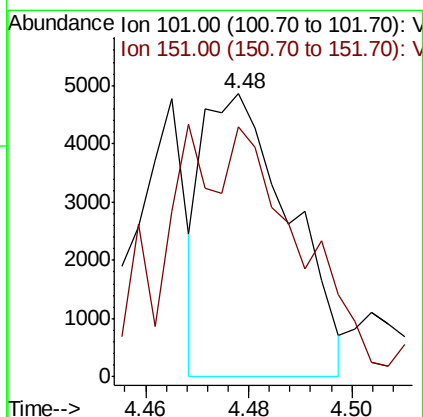
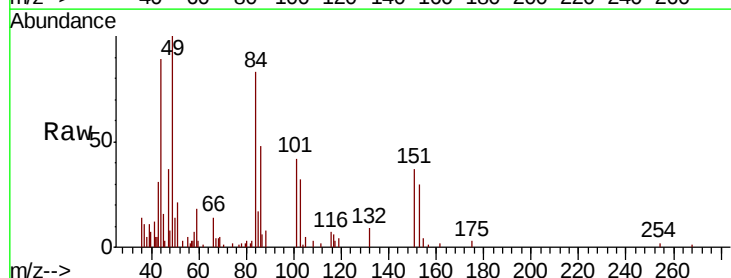
Instrument :
 MSVOA_L
 ClientSampleId :

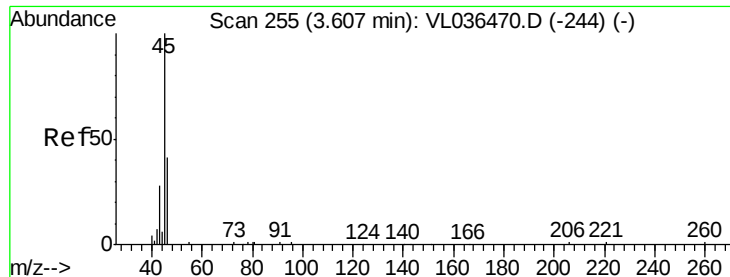
Tot Ion:101 Resp: 41928
 Ion Ratio Lower Upper
 101 100
 103 61.3 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.042 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Tgt Ion:101 Resp: 5674
 Ion Ratio Lower Upper
 101 100
 151 0.0 60.9 91.3#

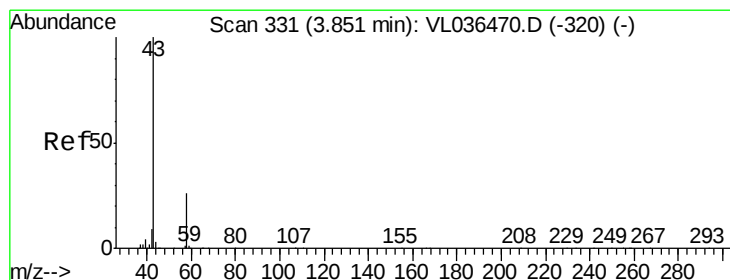
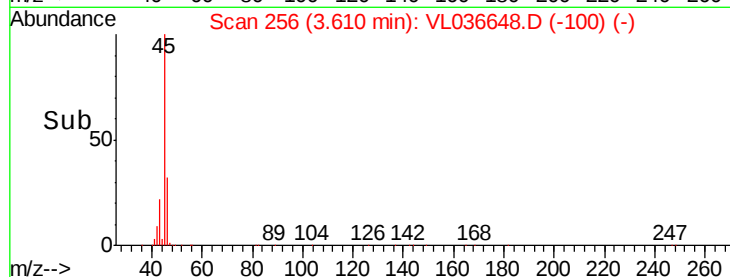
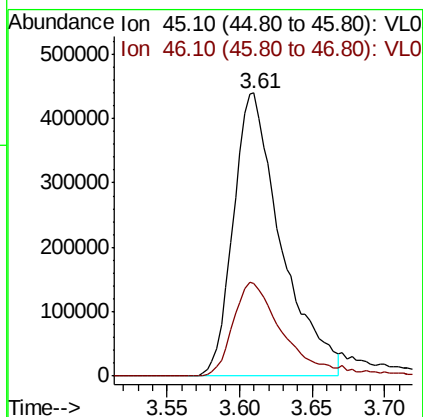
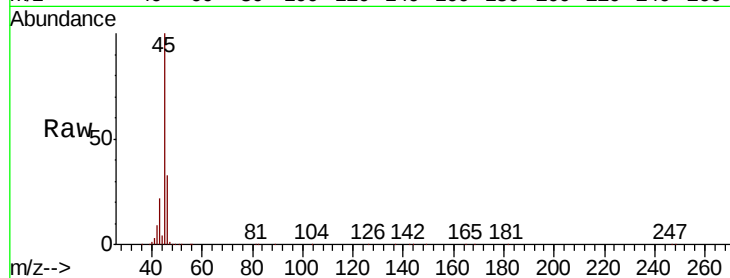




#13
Ethanol
Concen: 111.516 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

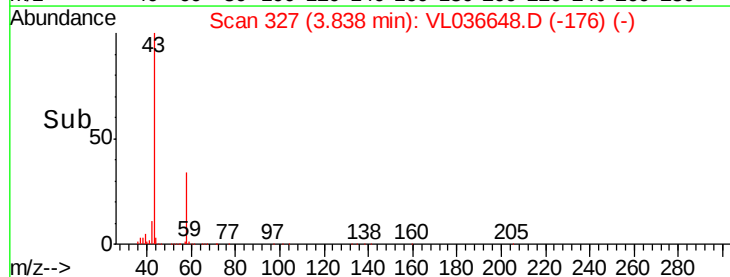
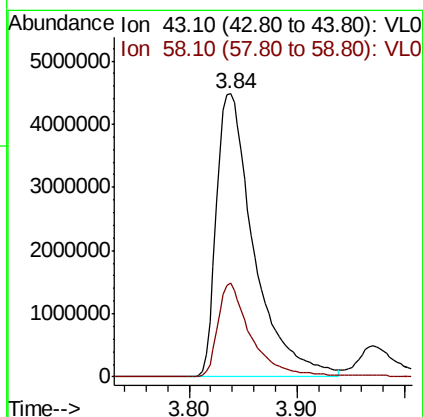
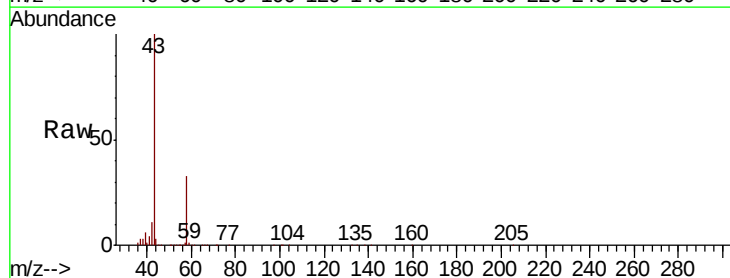
Instrument :
MSVOA_L
ClientSampleId :

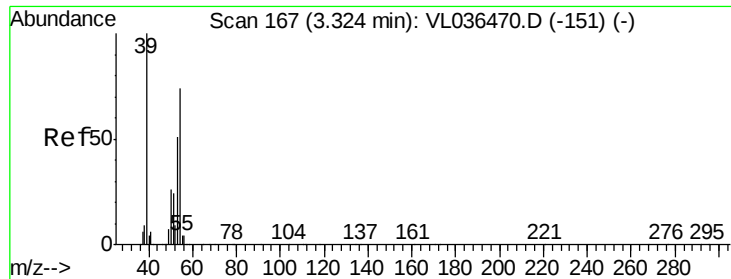
Tot Ion: 45 Resp: 1006006
Ion Ratio Lower Upper
45 100
46 37.0 16.6 66.2



#15
Acetone
Concen: 86.741 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

Tgt Ion: 43 Resp: 10858176
Ion Ratio Lower Upper
43 100
58 30.0 21.2 31.8

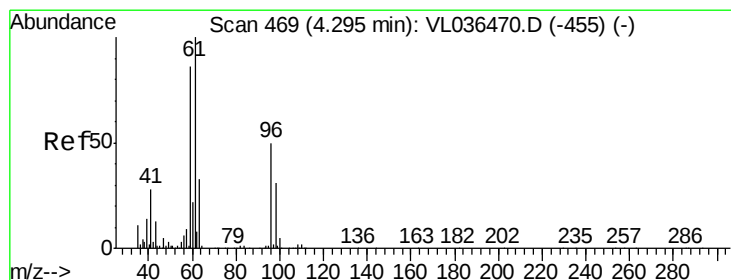
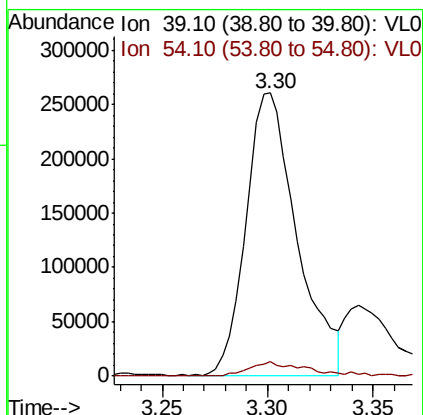
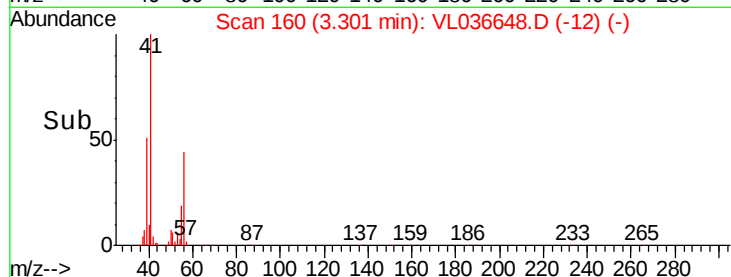
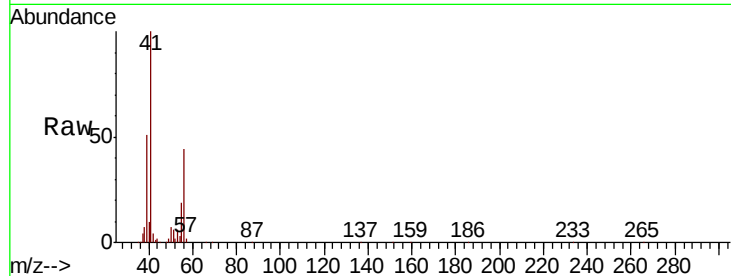




#16
 1,3-Butadiene
 Concen: 5.040 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

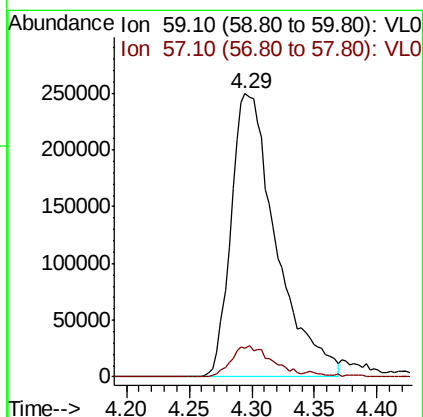
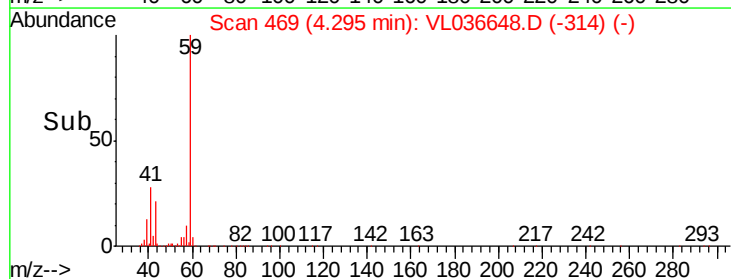
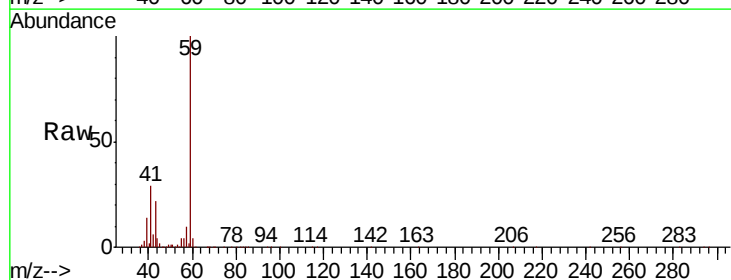
Instrument :
 MSVOA_L
 ClientSampleID :

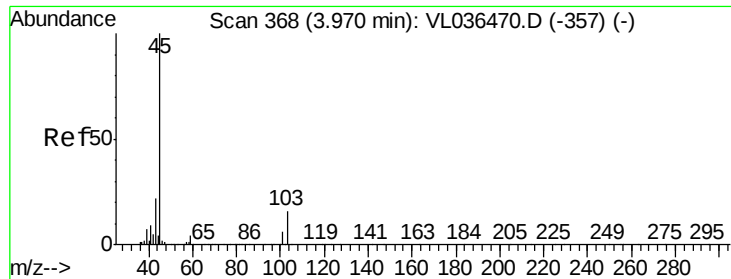
Tot Ion: 39 Resp: 439207
 Ion Ratio Lower Upper
 39 100
 54 6.2 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 5.727 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Tgt Ion: 59 Resp: 624036
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8



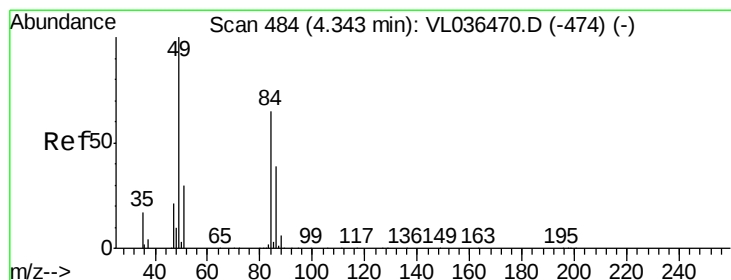
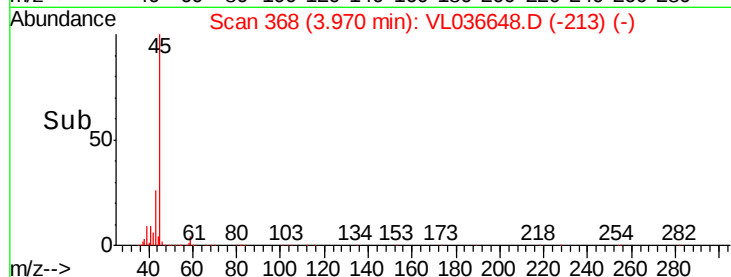
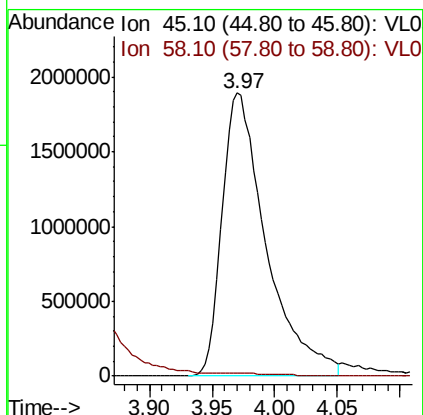
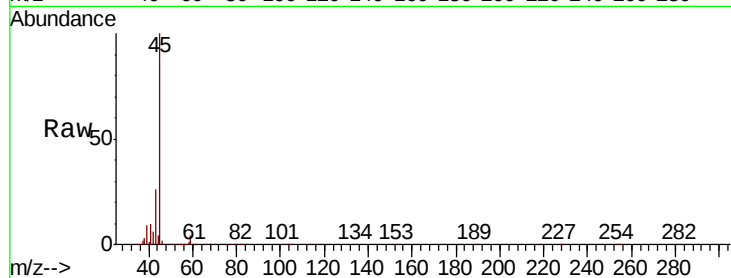


#19

Isopropyl Alcohol
 Concen: 66.984 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Instrument :
 MSVOA_L
 ClientSampleId :

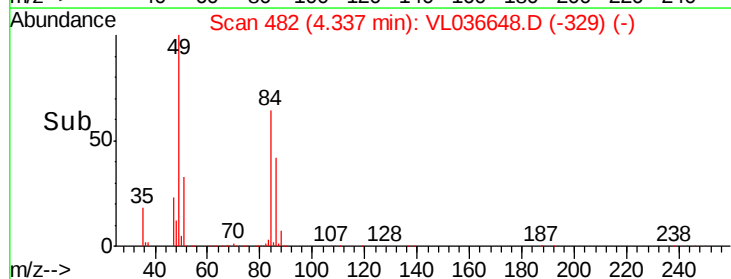
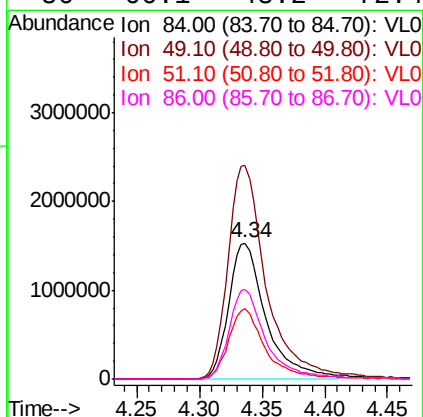
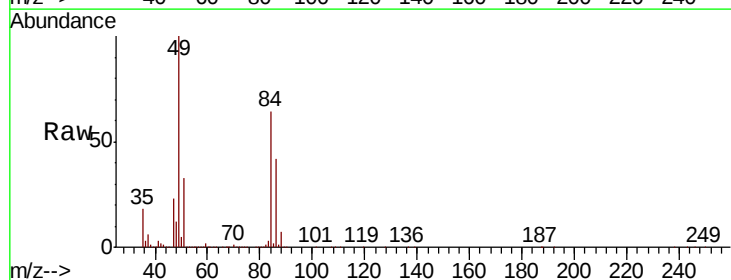
Tot Ion: 45 Resp: 4612554
 Ion Ratio Lower Upper
 45 100
 58 69.0 2.9 4.3#

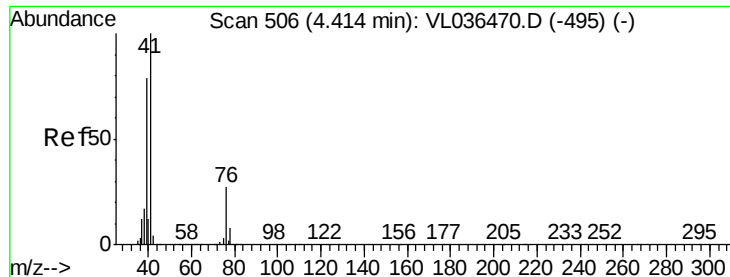


#20

Methylene Chloride
 Concen: 53.823 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Tgt Ion: 84 Resp: 3154534
 Ion Ratio Lower Upper
 84 100
 49 156.6 122.9 184.3
 51 51.8 36.9 55.3
 86 66.1 48.2 72.4





#21

Allvl Chloride

Concen: 1.744 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.08 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampleId :

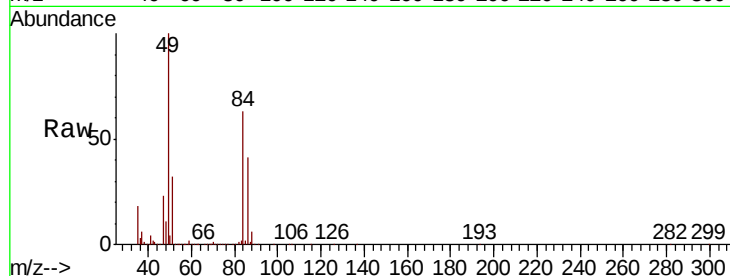
Tot Ion: 41 Resp: 174004

Ion Ratio Lower Upper

41 100

76 0.0 22.9 34.3#

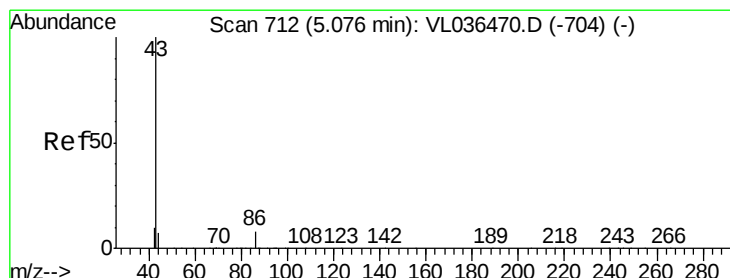
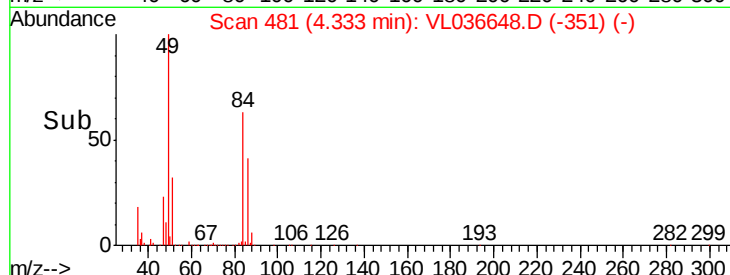
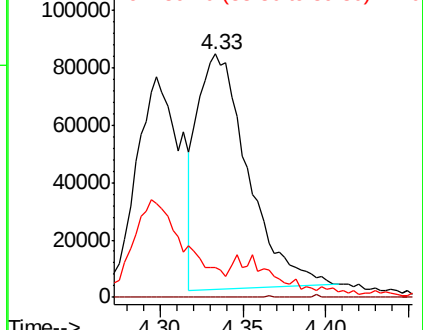
39 15.6 67.3 100.9#



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: 0.624 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Tgt Ion: 43 Resp: 133638

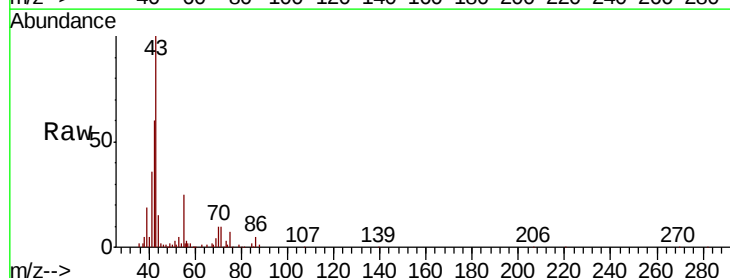
Ion Ratio Lower Upper

43 100

86 4.2 5.4 8.0#

42 58.2 8.5 12.7#

44 6.2 4.6 7.0

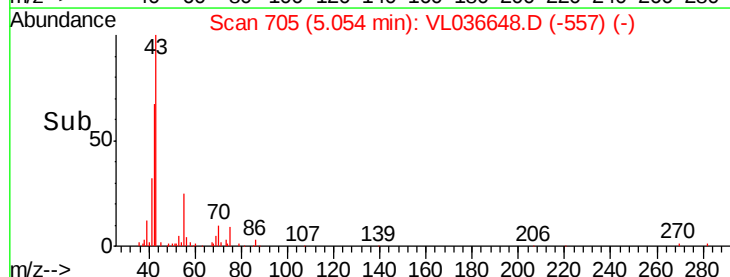
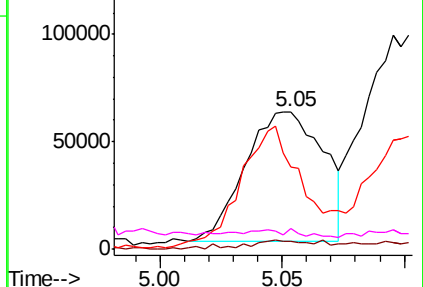


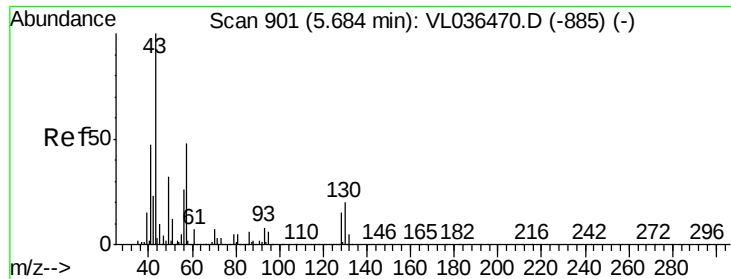
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 6.198 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

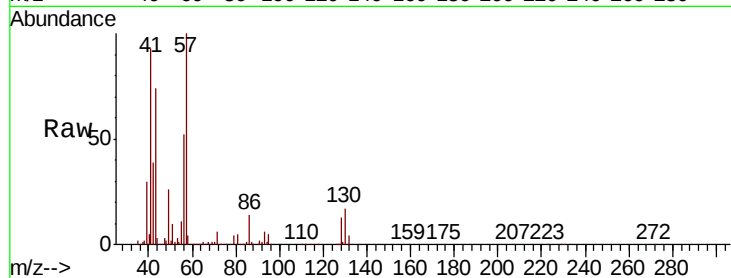
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 1844648

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.9	11.9#
61	0.7	7.4	11.2#
70	1.6	5.1	7.7#



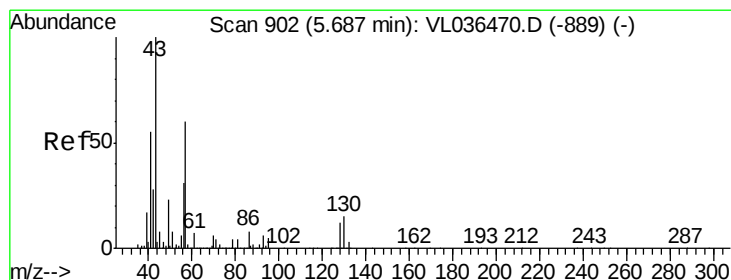
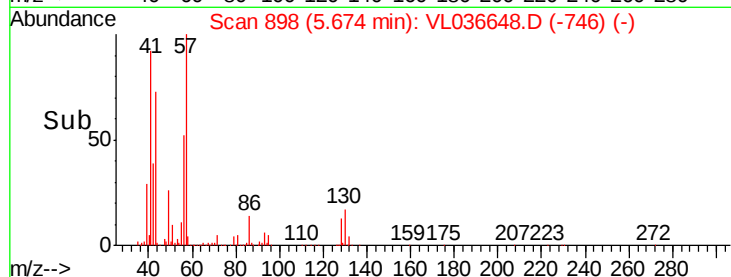
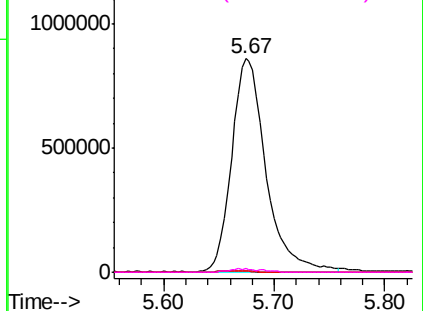
Abundance

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: 17.974 ppbv

RT: 5.68 min Scan# 899

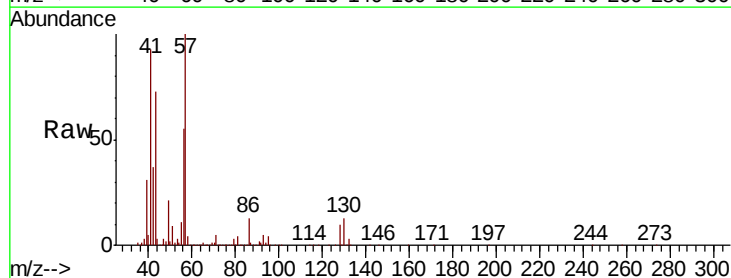
Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Tgt Ion: 57 Resp: 2482298

Ion	Ratio	Lower	Upper
57	100		
41	96.0	77.2	115.8
43	75.2	173.8	260.6#
56	53.9	43.8	65.6



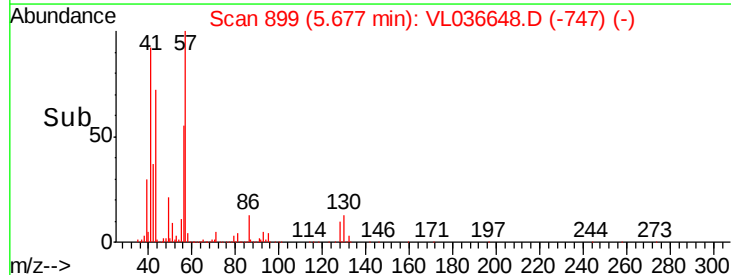
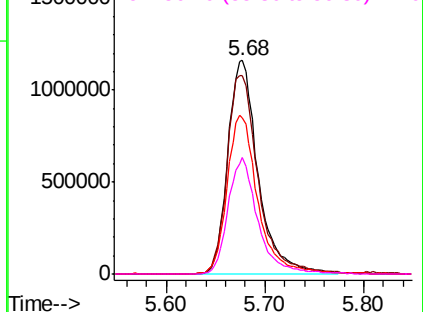
Abundance

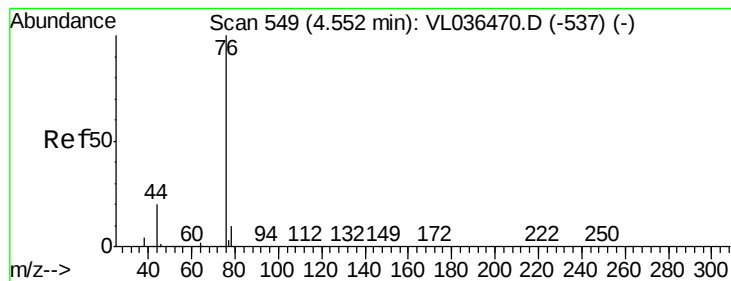
Ion 57.10 (56.80 to 57.80): VL0

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: 0.168 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampleId :

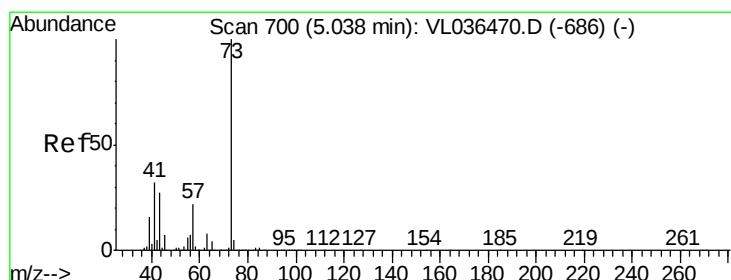
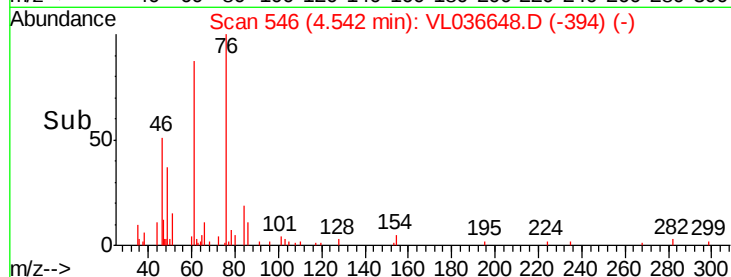
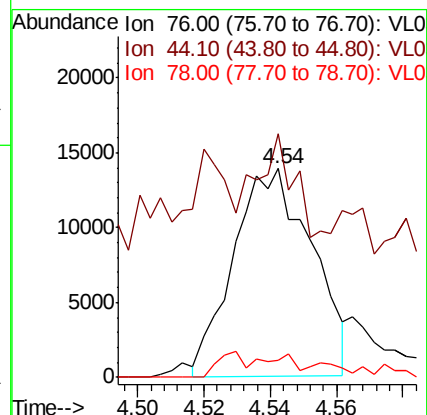
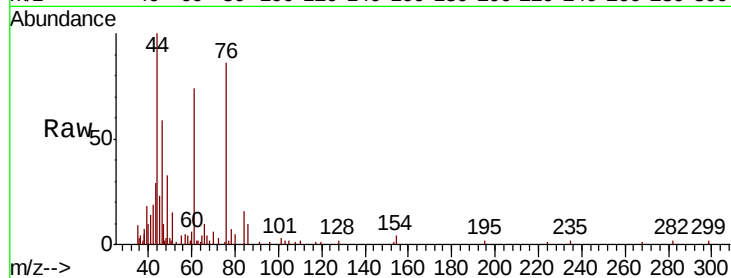
Tot Ion: 76 Resp: 22843

Ion Ratio Lower Upper

76 100

44 73.1 17.5 26.3#

78 14.6 8.6 13.0#



#28

Methyl tert-Butyl Ether

Concen: 0.055 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL036648.D

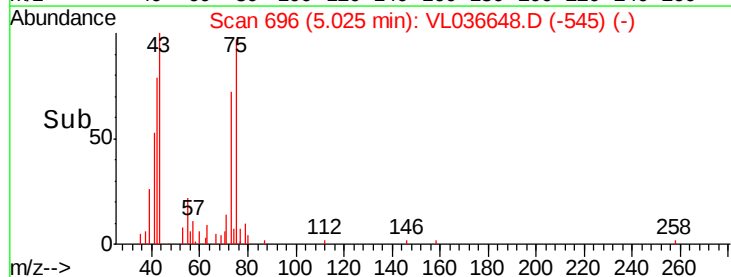
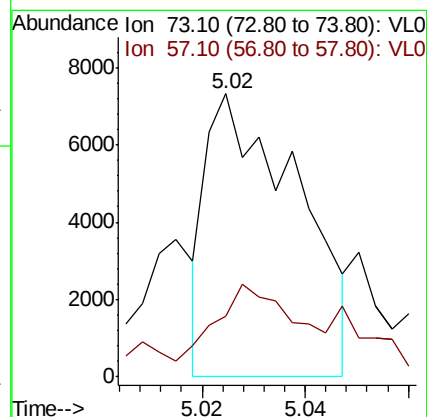
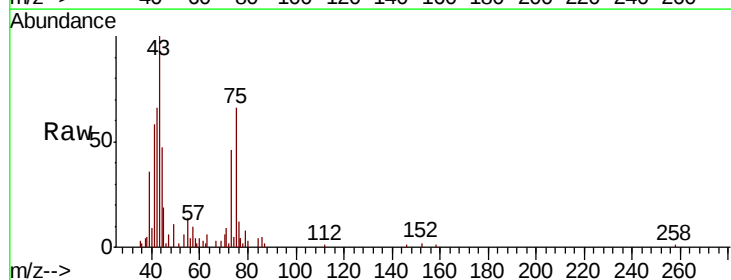
Acq: 2 Apr 2021 17:06

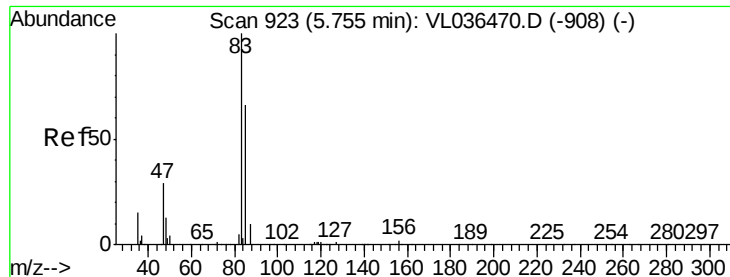
Tgt Ion: 73 Resp: 9009

Ion Ratio Lower Upper

73 100

57 59.5 18.5 27.7#





#29

Chloroform

Concen: 1.336 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

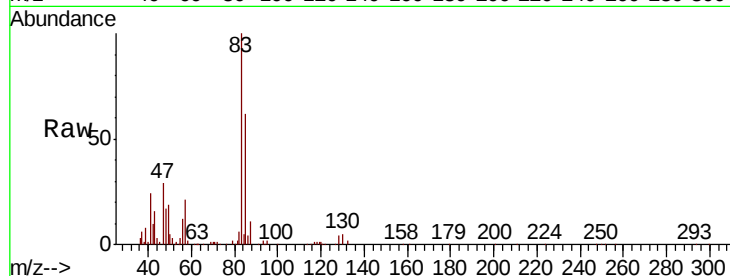
ClientSampleId :

Tot Ion: 83 Resp: 295065

Ion Ratio Lower Upper

83 100

85 60.9 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

150000

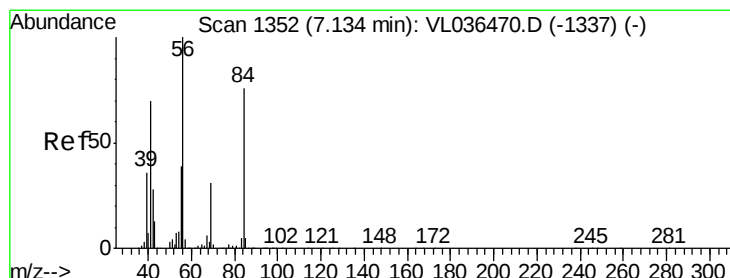
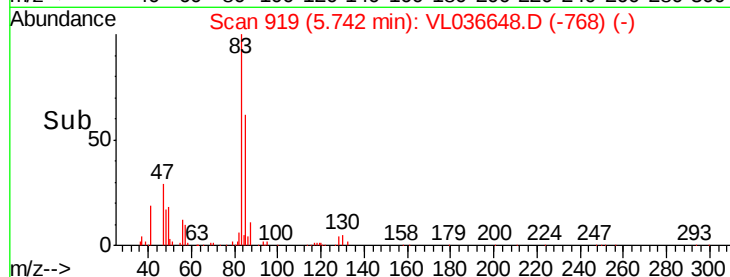
100000

50000

0

5.70 5.75 5.80

Time-->



#30

Cyclohexane

Concen: 0.095 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

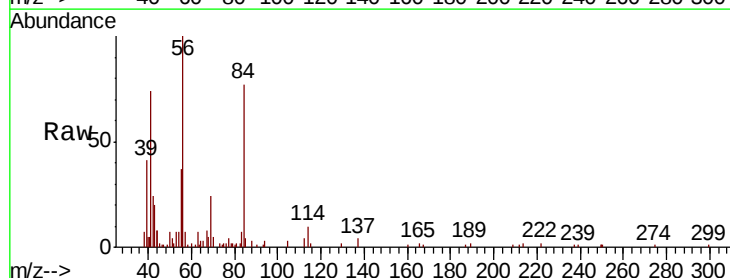
Tgt Ion: 84 Resp: 10649

Ion Ratio Lower Upper

84 100

56 391.8 114.6 171.8#

41 330.3 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

30000

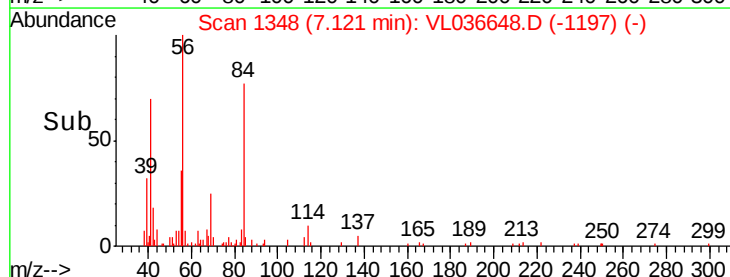
20000

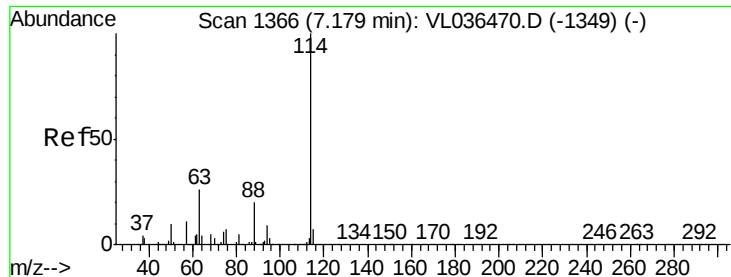
10000

0

7.11 7.12 7.13 7.14

Time-->

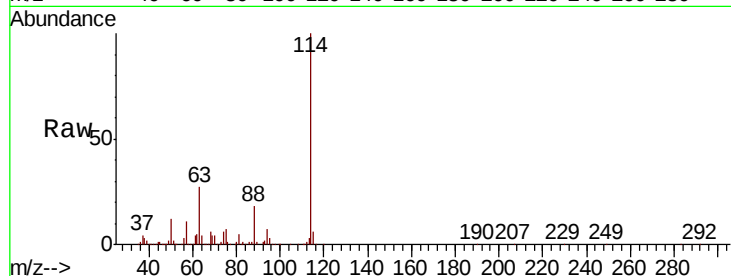




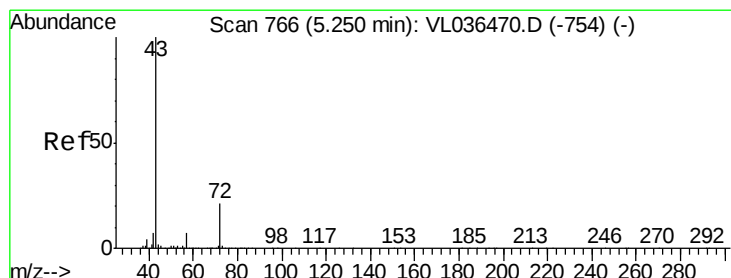
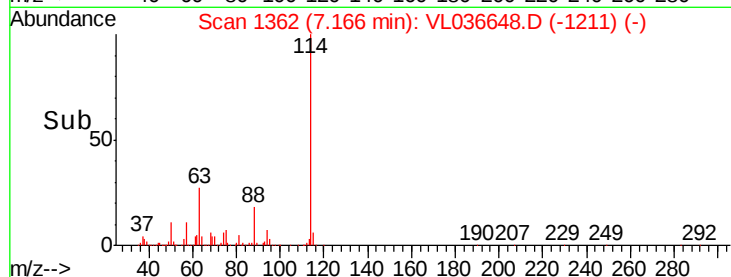
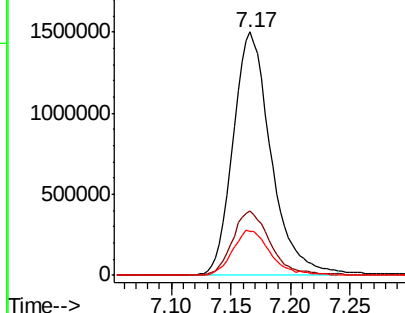
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3311883
 Ion Ratio Lower Upper
 114 100
 63 26.7 22.4 33.6
 88 18.7 15.4 23.0

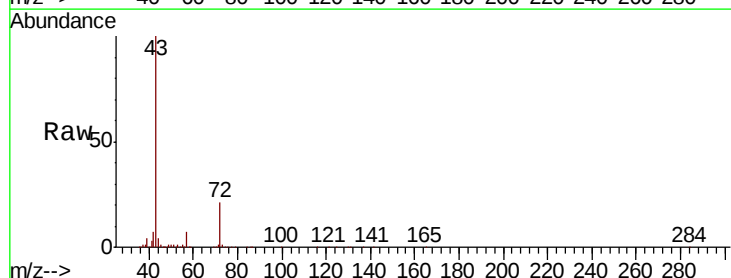


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

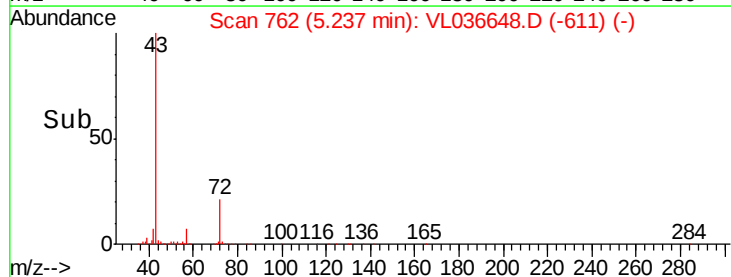
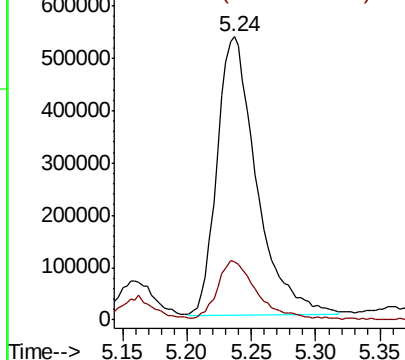


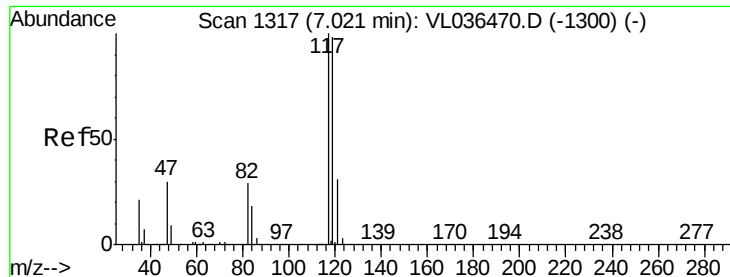
#34
 2-Butanone
 Concen: 7.017 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Tgt Ion: 43 Resp: 1134328
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 0.031 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampled :

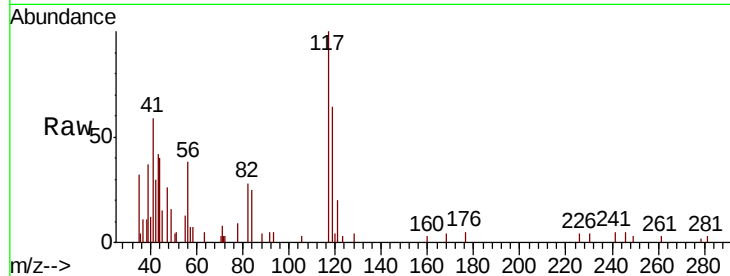
Tot Ion:117 Resp: 7845

Ion Ratio Lower Upper

117 100

119 56.1 78.2 117.2#

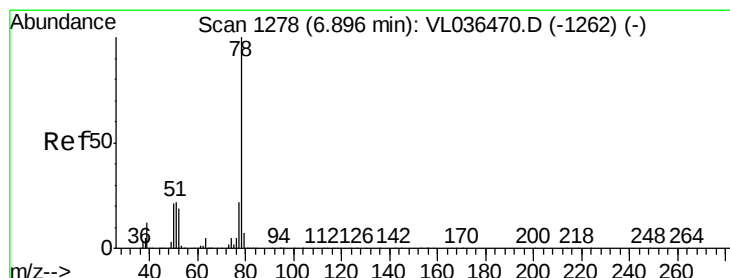
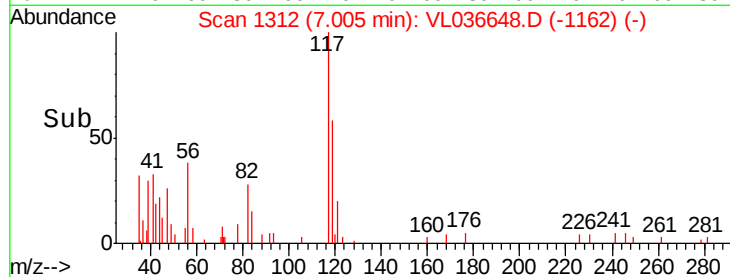
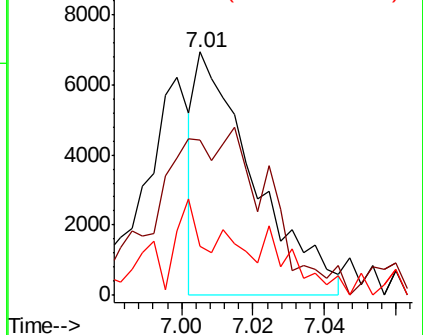
121 13.0 24.5 36.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.224 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

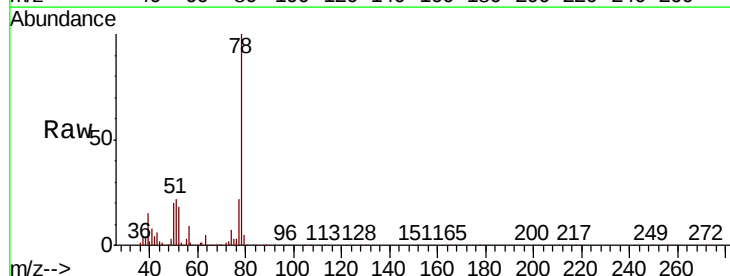
Tgt Ion: 78 Resp: 374012

Ion Ratio Lower Upper

78 100

77 21.9 18.0 27.0

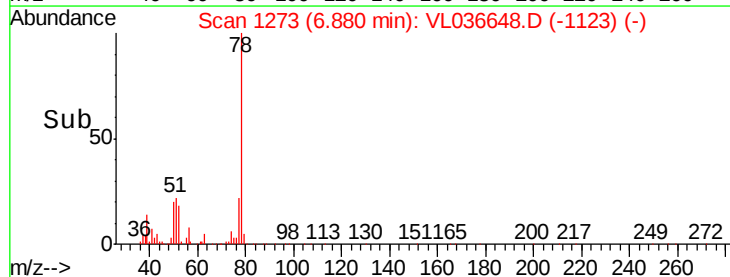
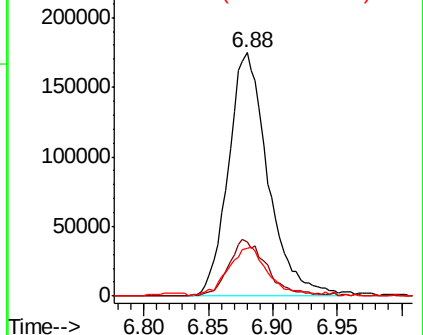
50 19.4 16.5 24.7

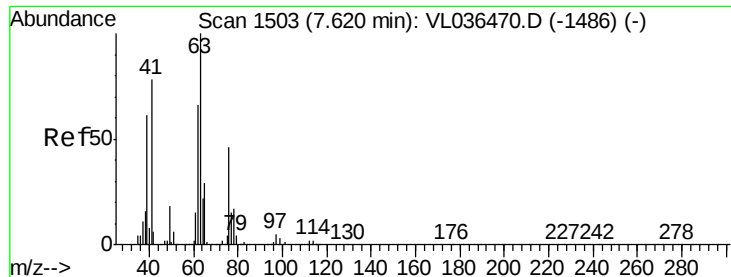


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

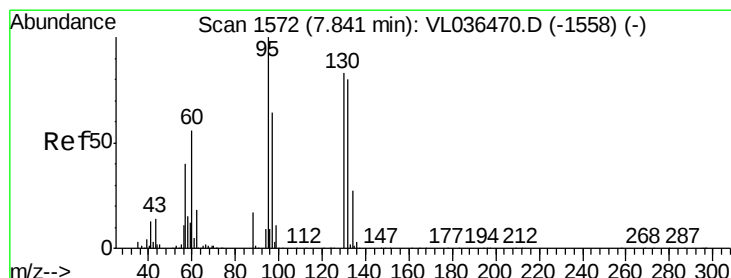
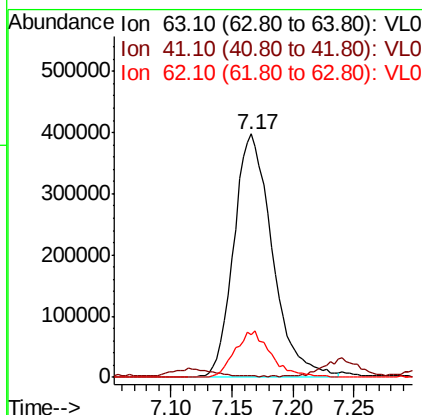
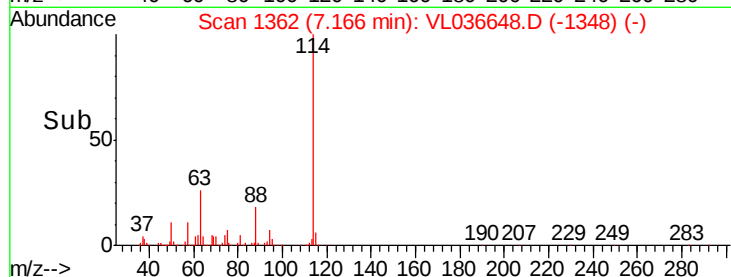
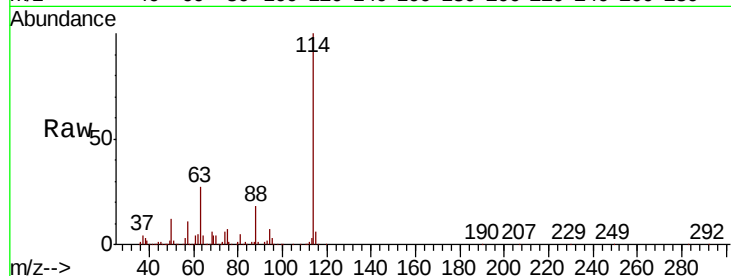




#39
 1,2-Dichloropropane
 Concen: 7.015 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

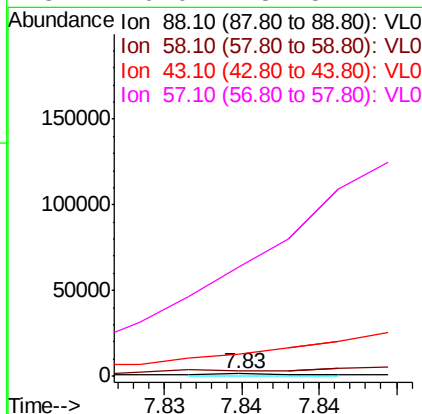
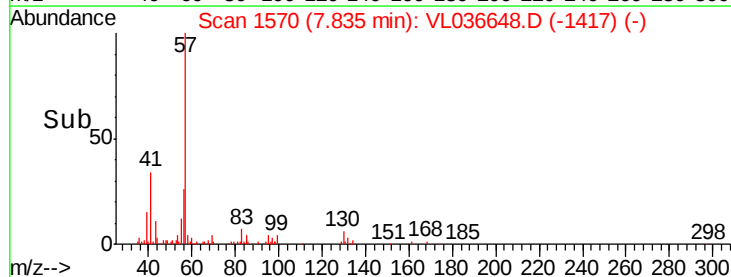
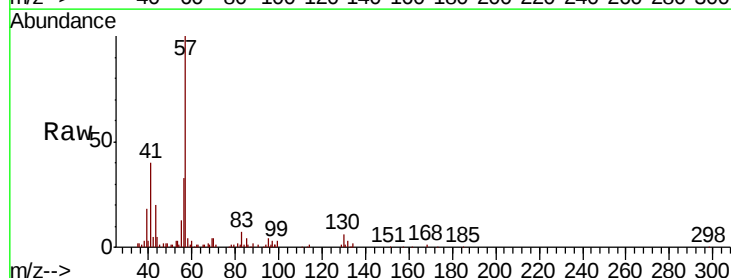
Instrument :
 MSVOA_L
 ClientSampleId :

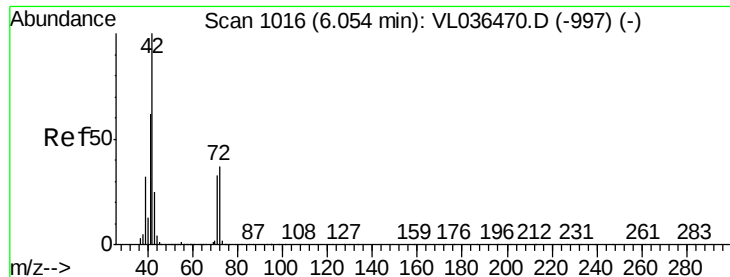
Tot Ion: 63 Resp: 869188
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.5 52.8 79.2#



#40
 1,4-Dioxane
 Concen: 0.020 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Tgt Ion: 88 Resp: 580
 Ion Ratio Lower Upper
 88 100
 58 0.0 134.1 201.1#
 43 0.0 346.6 520.0#
 57 0.0 1481.8 2222.8#





#41

Tetrahydrofuran

Concen: 0.294 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.25 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampleId :

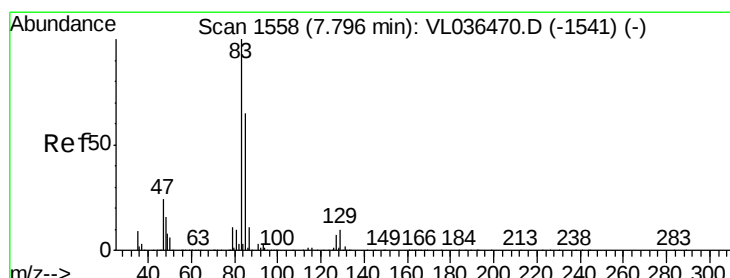
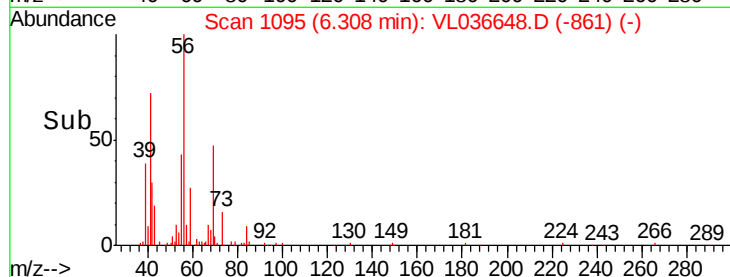
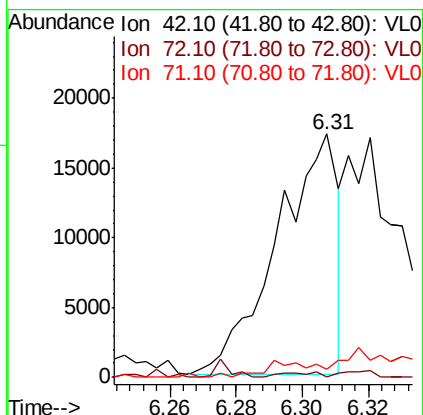
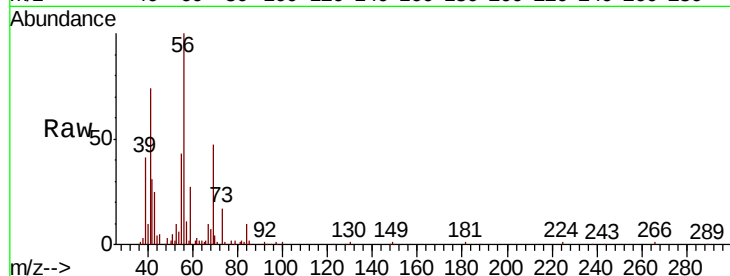
Tot Ion: 42 Resp: 21946

Ion Ratio Lower Upper

42 100

72 2.2 27.6 41.4#

71 23.4 27.0 40.4#



#42

Bromodichloromethane

Concen: 0.648 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

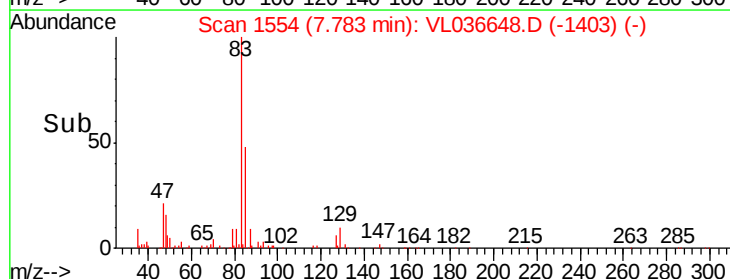
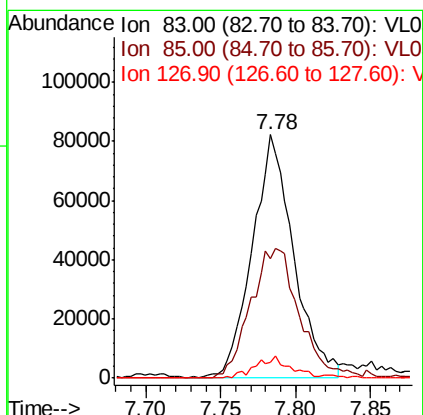
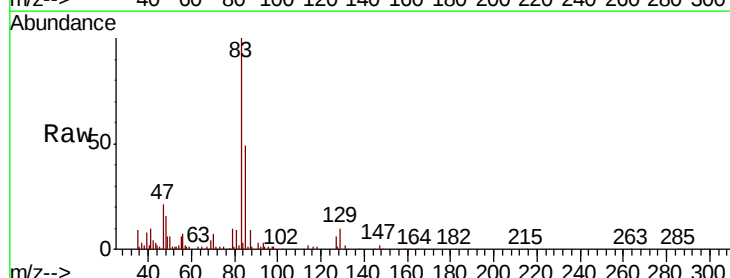
Tgt Ion: 83 Resp: 158571

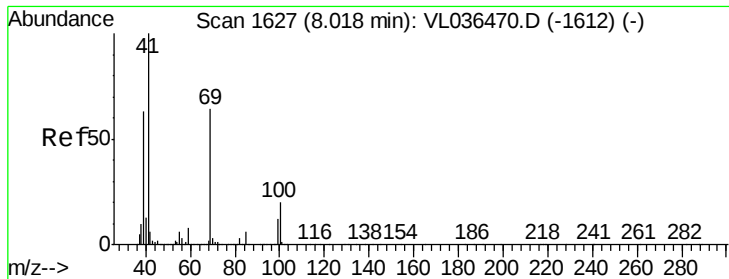
Ion Ratio Lower Upper

83 100

85 49.3 51.8 77.6#

127 6.5 5.8 8.8

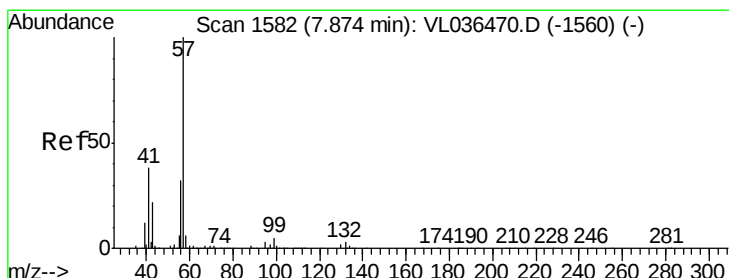
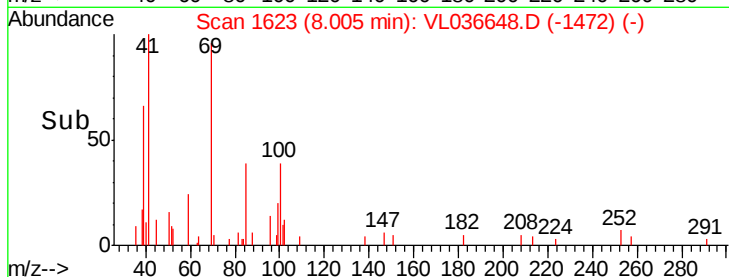
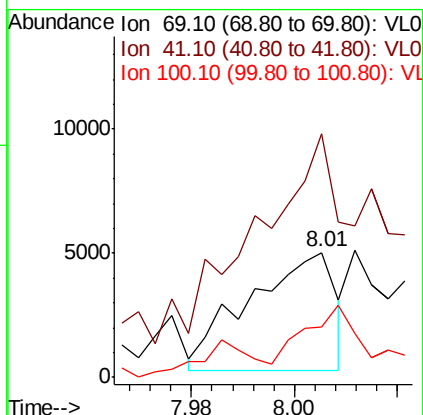
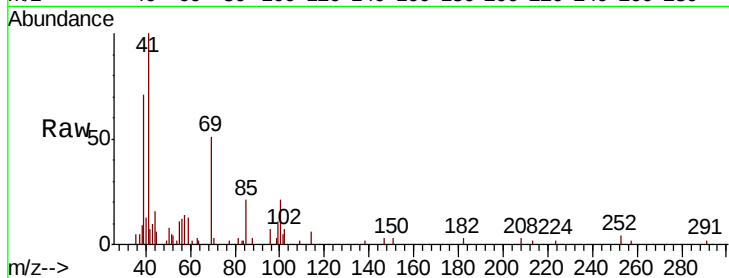




#43
Methvl Methacrylate
Concen: 0.054 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.01 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

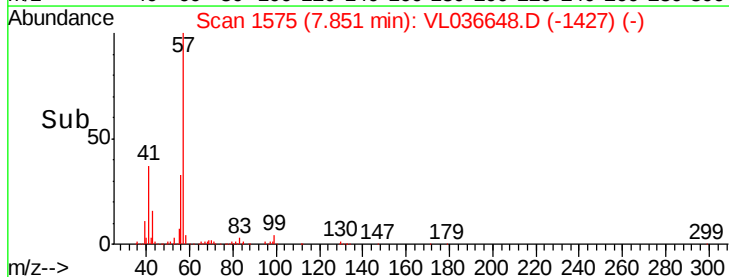
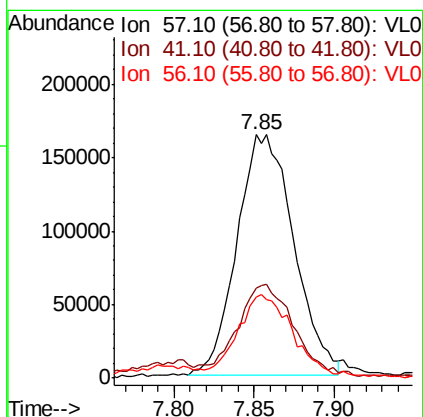
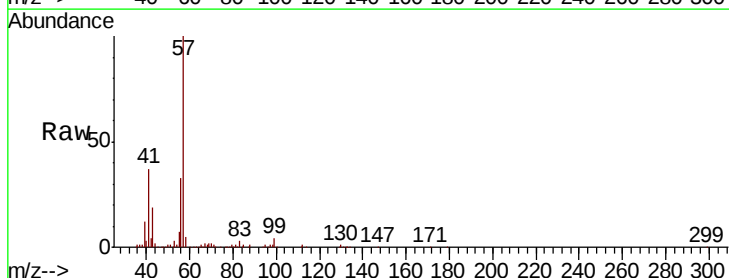
Instrument :
MSVOA_L
ClientSampled :

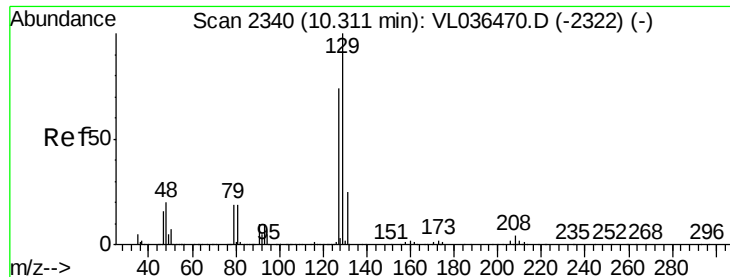
Tot Ion: 69 Resp: 5520
Ion Ratio Lower Upper
69 100
41 334.2 126.8 190.2#
100 0.0 24.9 37.3#



#44
2,2,4-Trimethylpentane
Concen: 0.742 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

Tgt Ion: 57 Resp: 398631
Ion Ratio Lower Upper
57 100
41 38.6 28.8 43.2
56 35.2 26.1 39.1





#48

Dibromochloromethane

Concen: 0.080 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

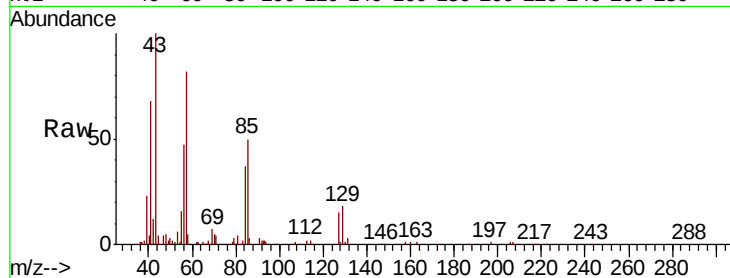
ClientSampleId :

Tot Ion:129 Resp: 15326

Ion Ratio Lower Upper

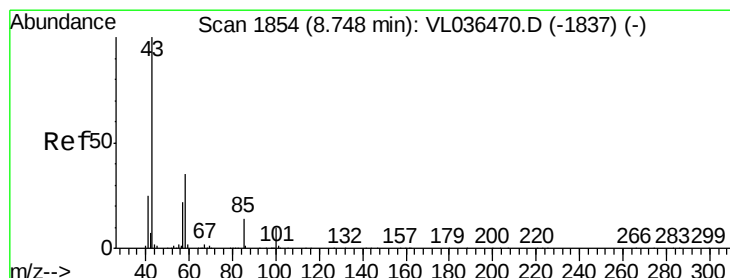
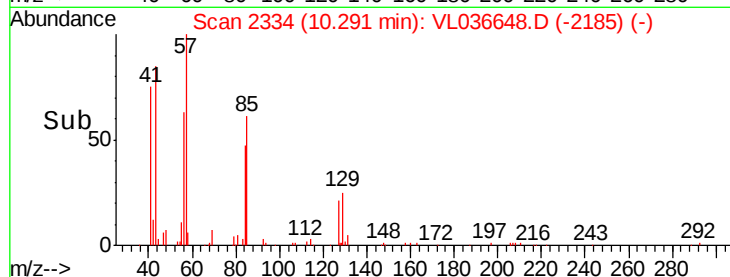
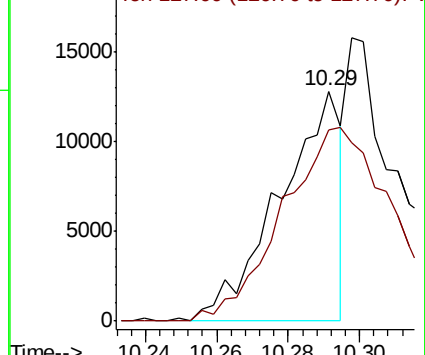
129 100

127 0.0 39.6 118.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

4-Methyl-2-Pentanone

Concen: 0.048 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036648.D

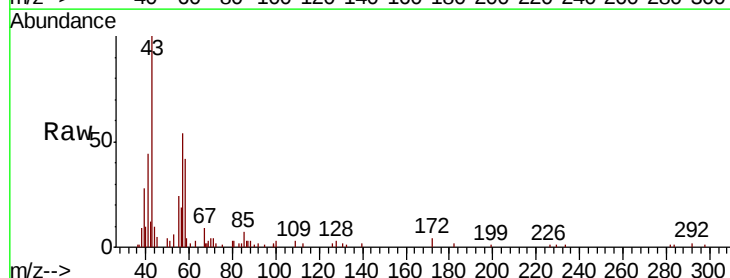
Acq: 2 Apr 2021 17:06

Tgt Ion: 43 Resp: 11273

Ion Ratio Lower Upper

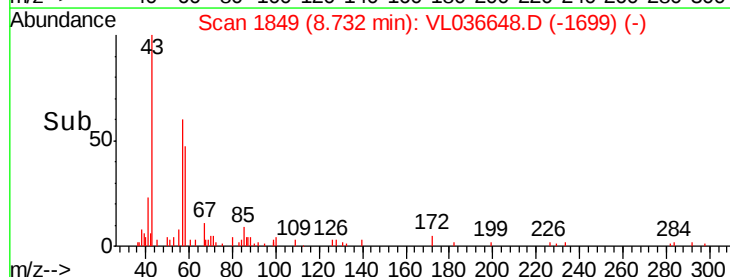
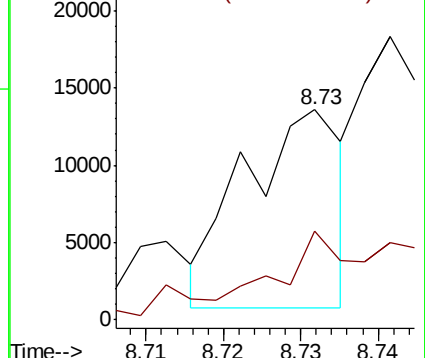
43 100

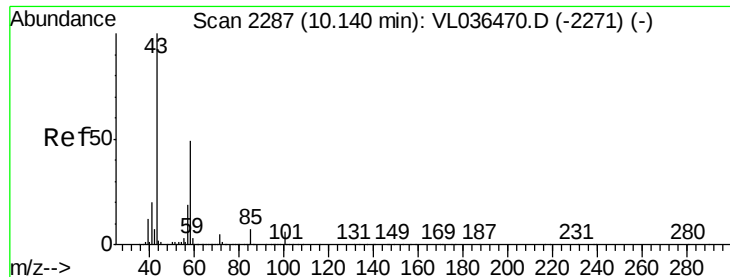
58 118.9 28.2 42.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

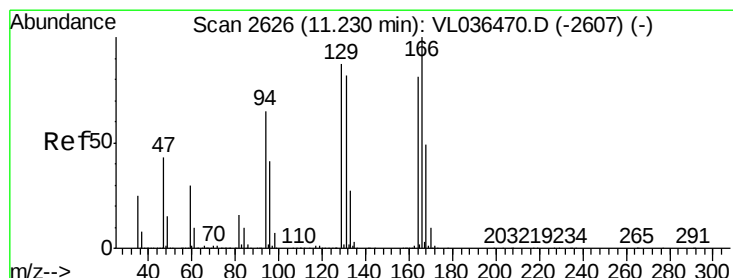
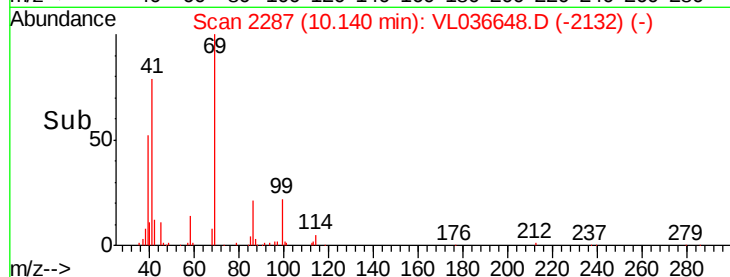
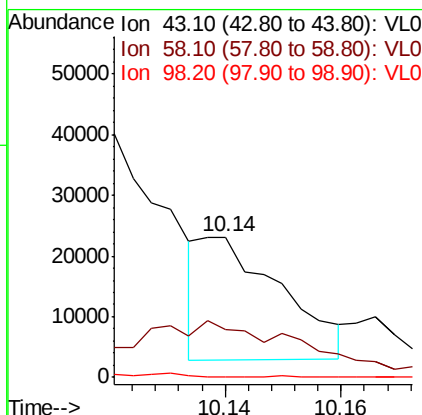
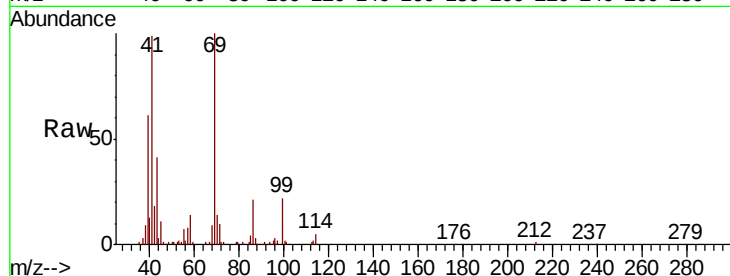




#51
2-Hexanone
Concen: 0.167 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

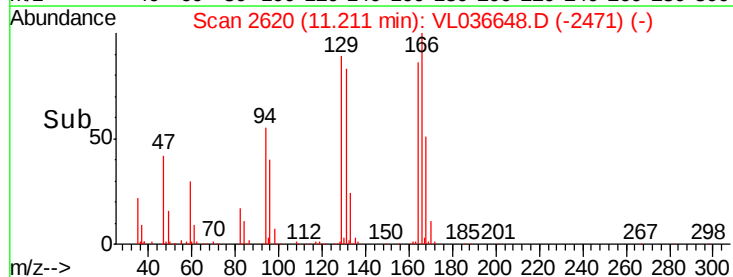
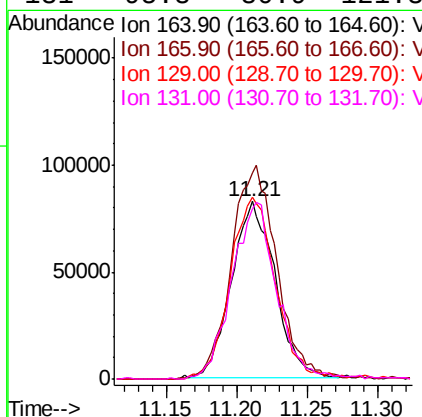
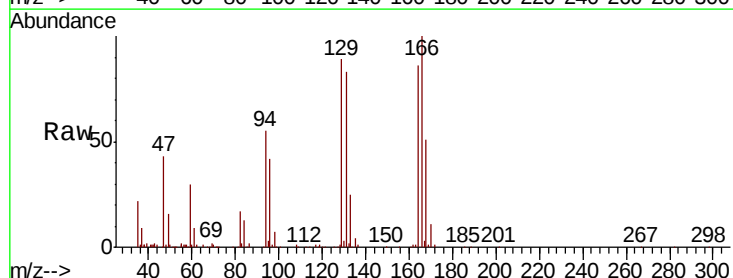
Instrument :
MSVOA_L
ClientSampled :

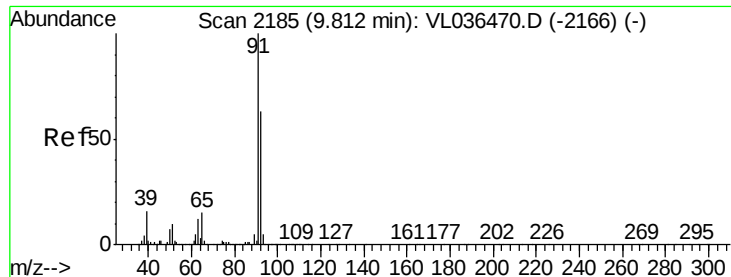
Tot Ion: 43 Resp: 19737
Ion Ratio Lower Upper
43 100
58 111.6 37.7 56.5#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.577 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

Tgt Ion: 164 Resp: 177395
Ion Ratio Lower Upper
164 100
166 116.0 98.3 147.5
129 102.5 85.8 128.8
131 95.8 80.9 121.3





#53

Toluene

Concen: 2.980 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

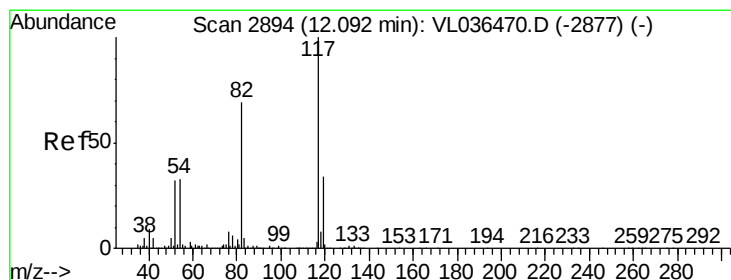
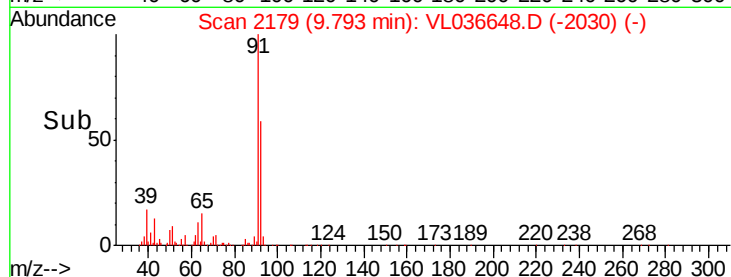
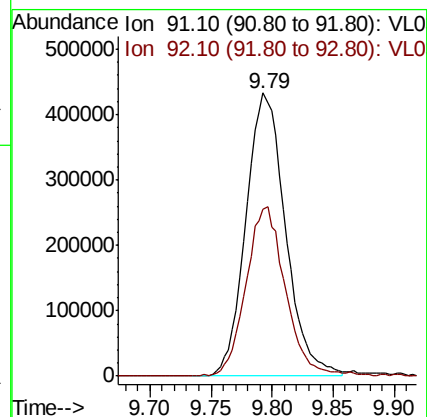
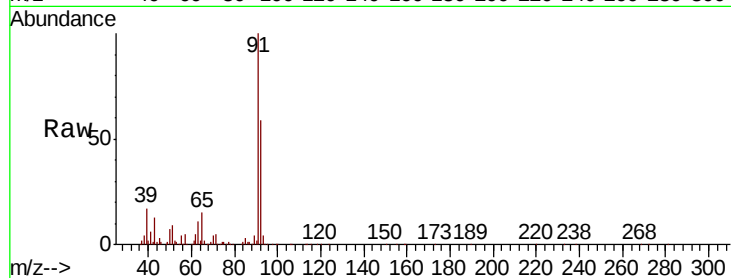
ClientSampleId :

Tot Ion: 91 Resp: 969407

Ion Ratio Lower Upper

91 100

92 59.7 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

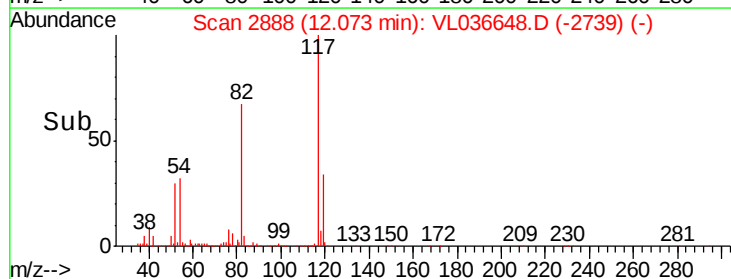
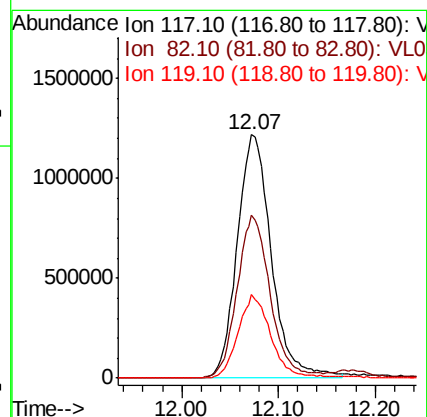
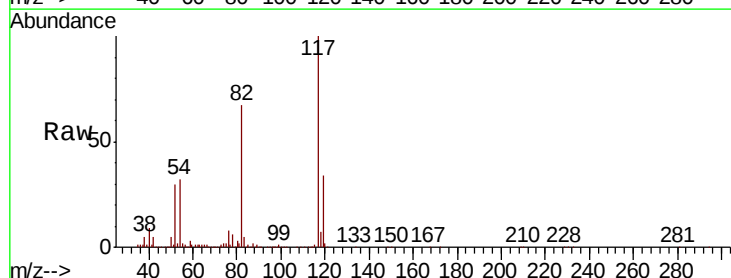
Tgt Ion: 117 Resp: 2996070

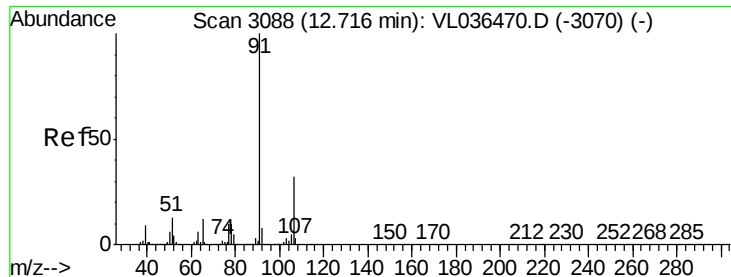
Ion Ratio Lower Upper

117 100

82 65.0 57.4 86.0

119 33.2 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.778 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

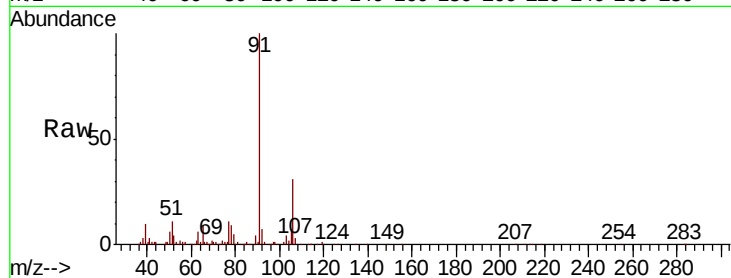
ClientSampleId :

Tot Ion: 91 Resp: 339136

Ion Ratio Lower Upper

91 100

106 31.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.70

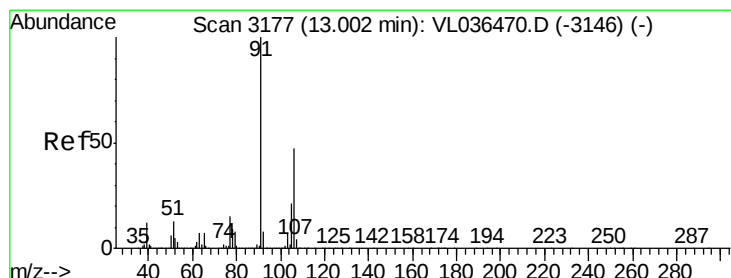
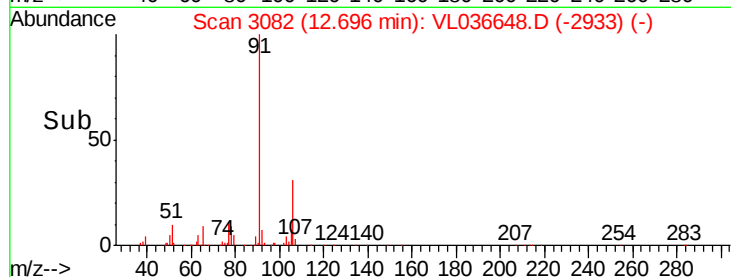
150000

100000

50000

0

Time--> 12.60 12.65 12.70 12.75



#59

m/p-Xylene

Concen: 3.162 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.05 min

Lab File: VL036648.D

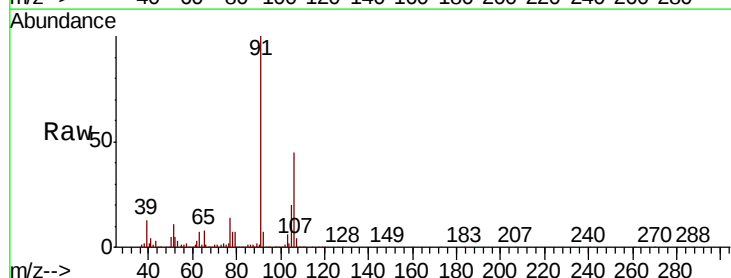
Acq: 2 Apr 2021 17:06

Tgt Ion: 91 Resp: 1202052

Ion Ratio Lower Upper

91 100

106 46.2 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.96

400000

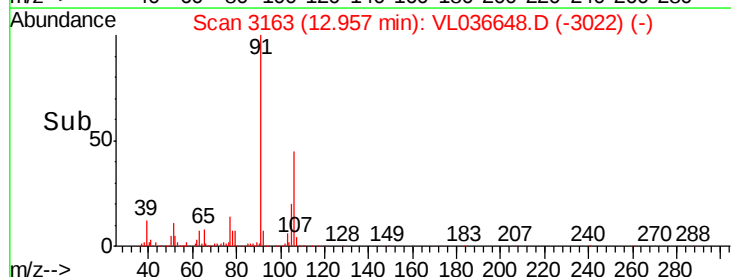
300000

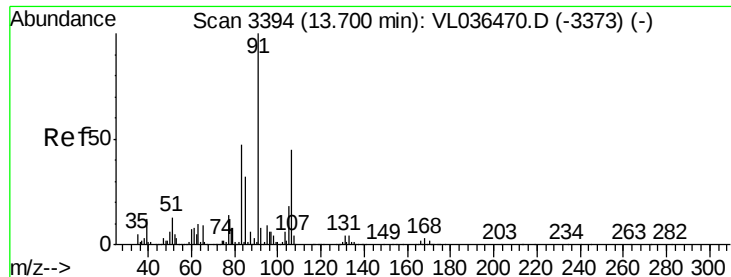
200000

100000

0

Time--> 12.90 13.00 13.10

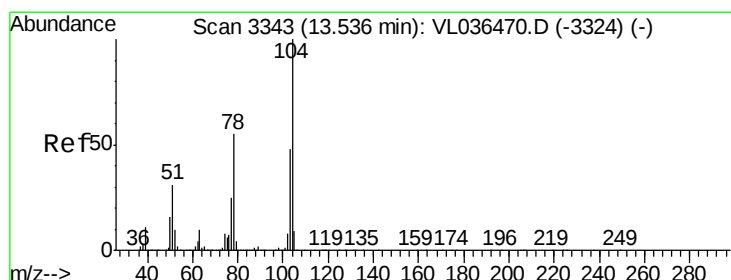
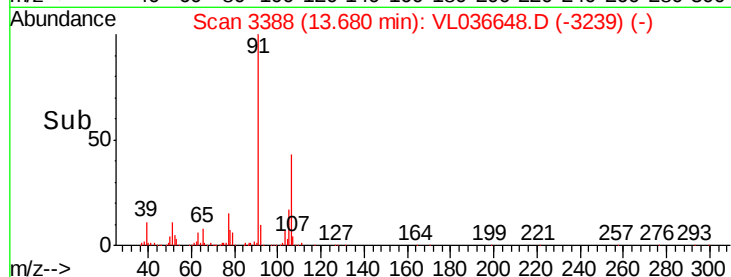
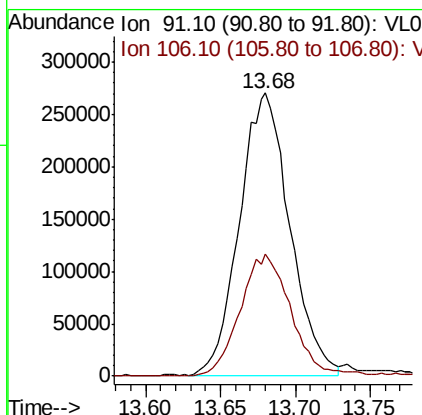
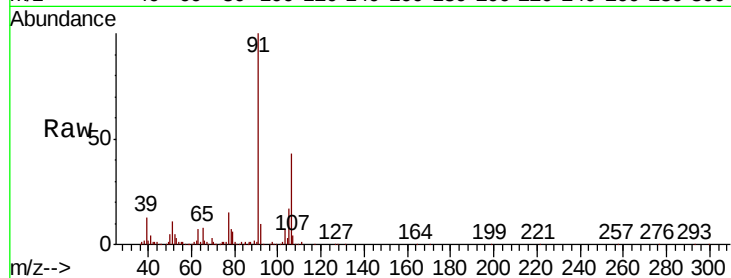




#60
o-Xylene
Concen: 1.714 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

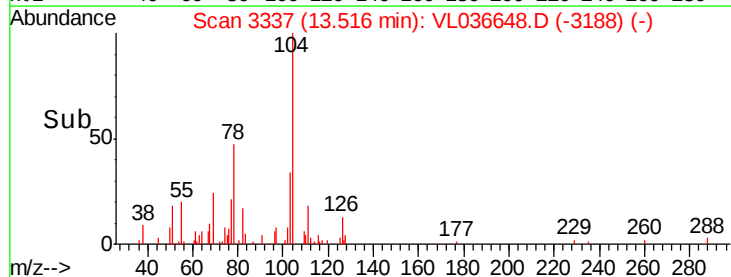
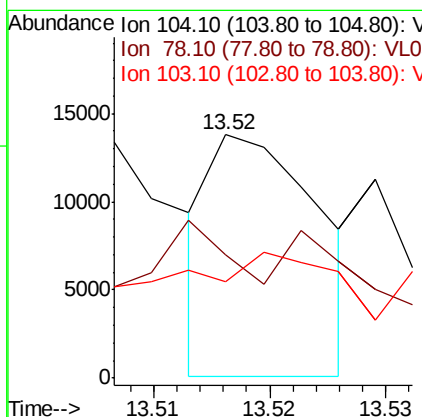
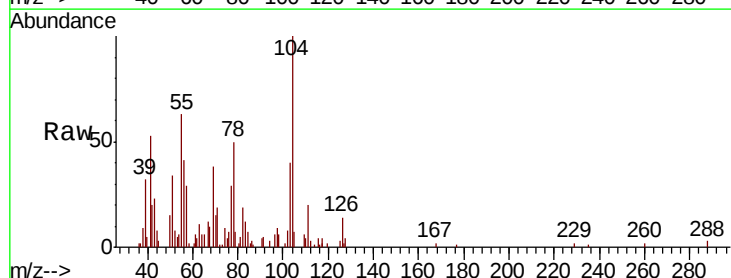
Instrument :
MSVOA_L
ClientSampleId :

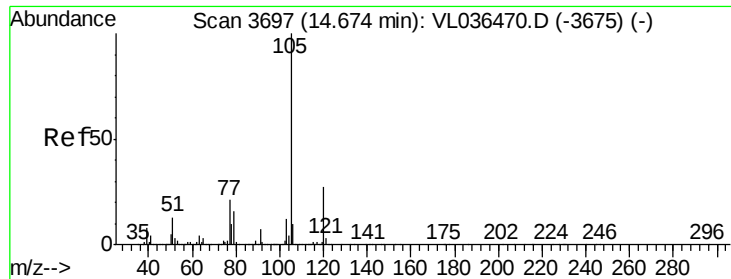
Tot Ion: 91 Resp: 630187
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9



#61
Styrene
Concen: 0.048 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.02 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

Tgt Ion:104 Resp: 8848
Ion Ratio Lower Upper
104 100
78 216.1 43.8 65.8#
103 184.5 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.149 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

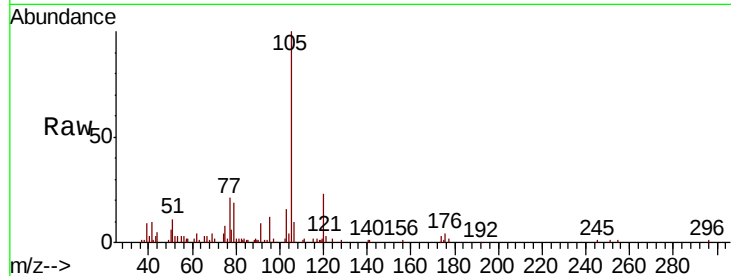
ClientSampleId :

Tot Ion:105 Resp: 73981

Ion Ratio Lower Upper

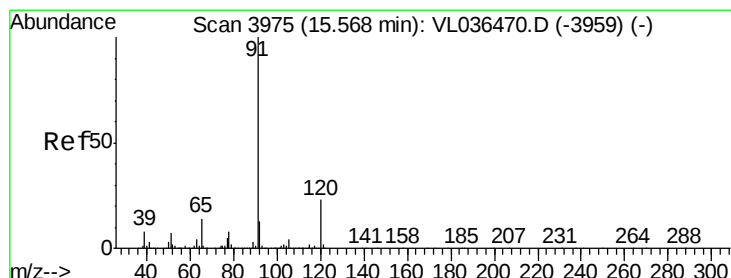
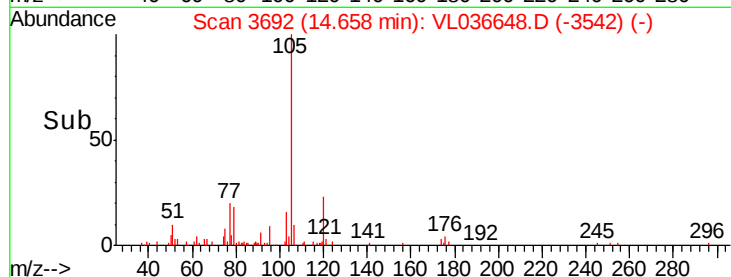
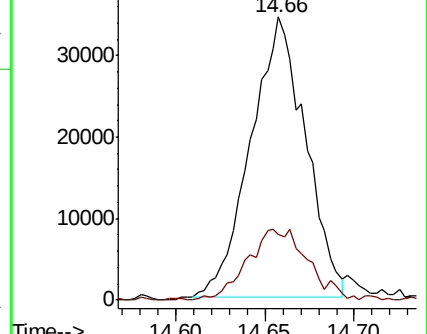
105 100

120 28.5 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: 0.260 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.02 min

Lab File: VL036648.D

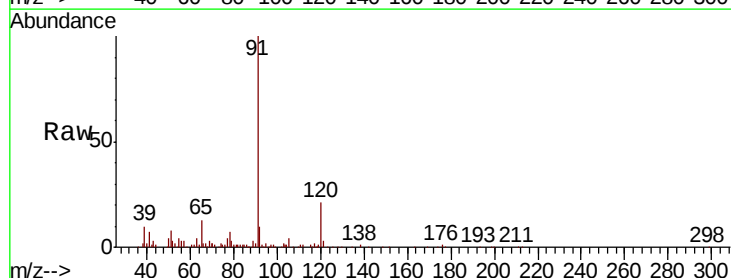
Acq: 2 Apr 2021 17:06

Tgt Ion:120 Resp: 31446

Ion Ratio Lower Upper

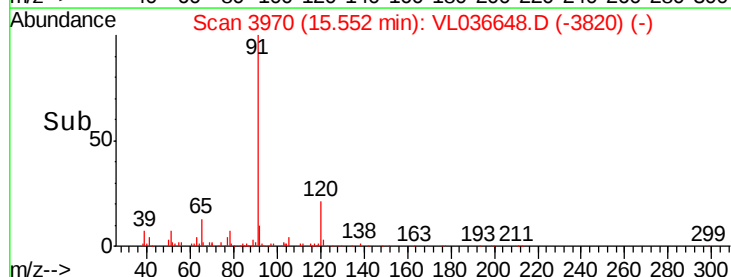
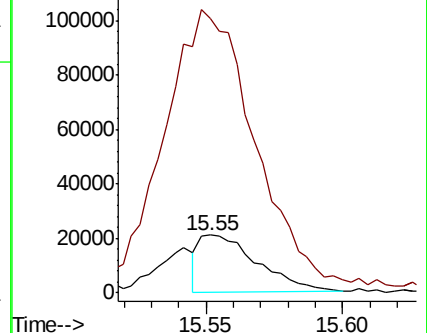
120 100

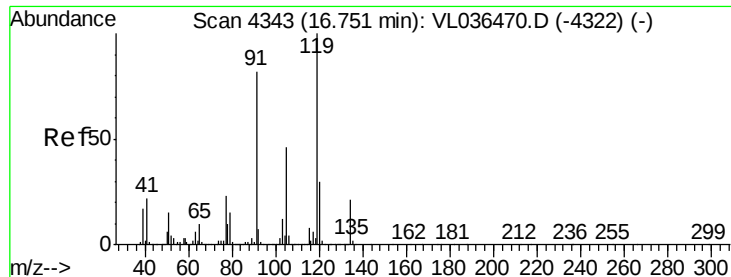
91 799.7 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.316 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampleId :

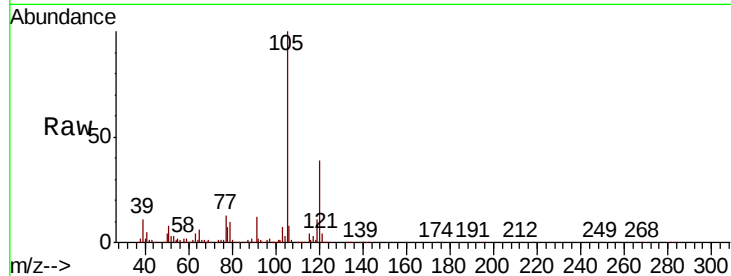
Tot Ion:119 Resp: 135579

Ion Ratio Lower Upper

119 100

91 107.6 67.5 101.3#

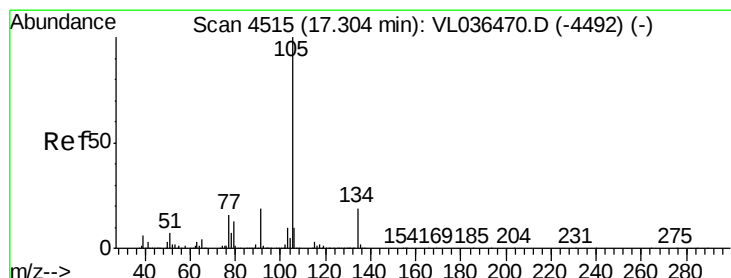
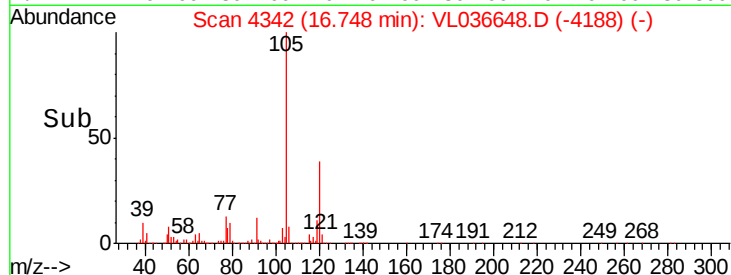
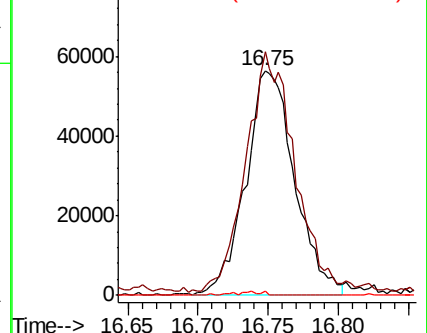
134 1.0 15.8 23.8#



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



#67

sec-Butylbenzene

Concen: 0.083 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036648.D

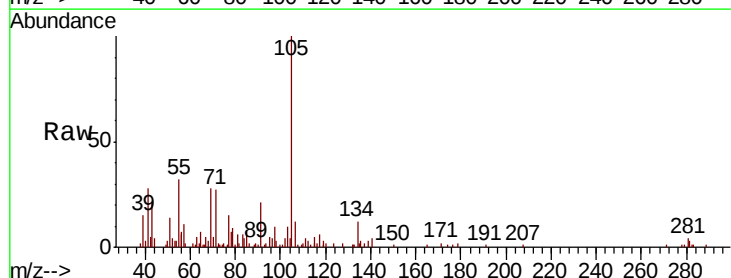
Acq: 2 Apr 2021 17:06

Tgt Ion:105 Resp: 50288

Ion Ratio Lower Upper

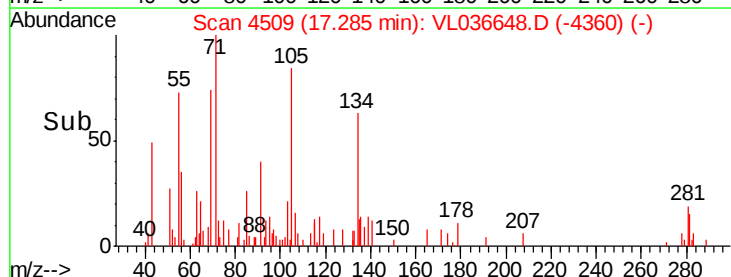
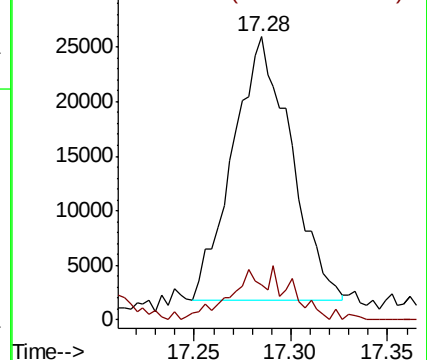
105 100

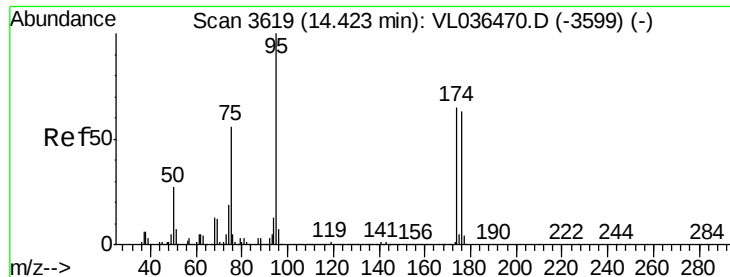
134 19.5 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

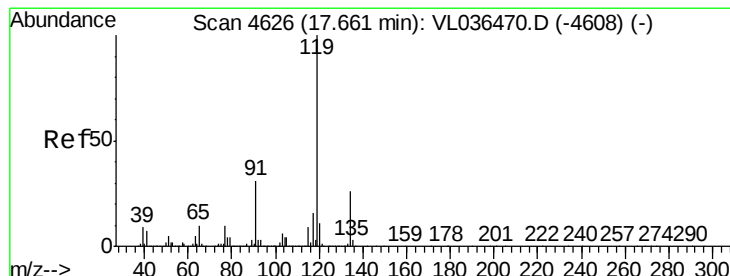
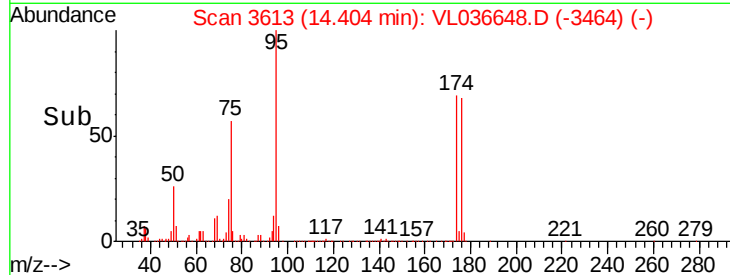
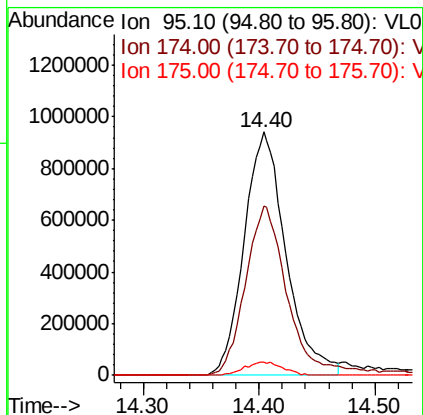
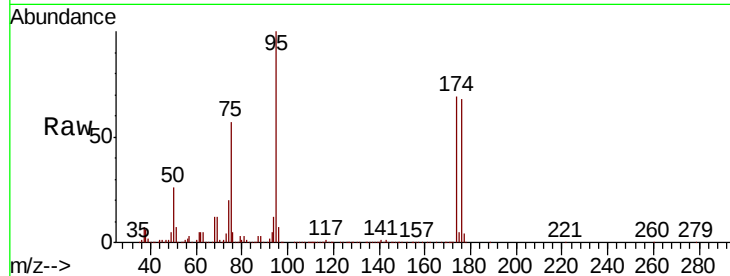




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.872 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.02 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

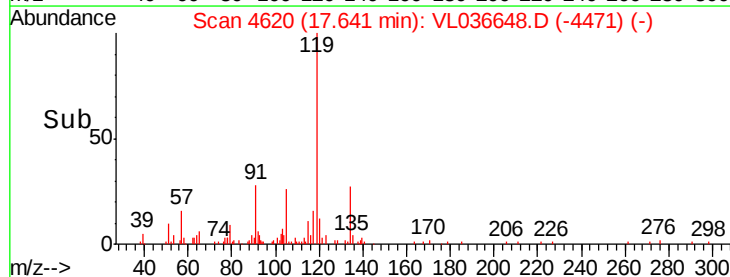
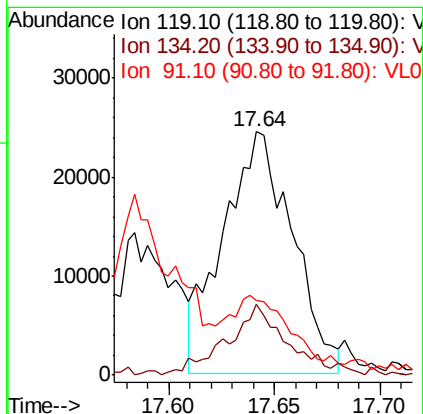
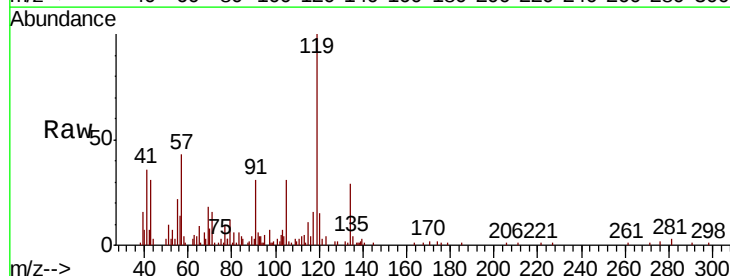
Instrument :
 MSVOA_L
 ClientSampleId :

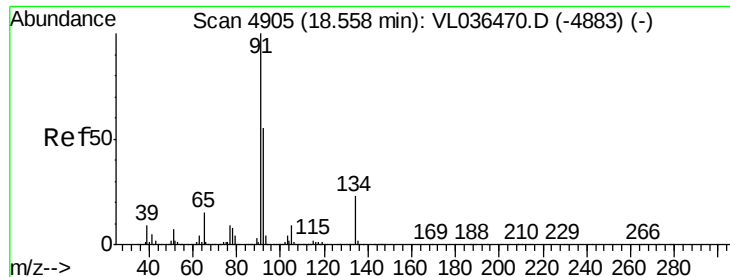
Tot Ion: 95 Resp: 2357431
 Ion Ratio Lower Upper
 95 100
 174 72.7 51.0 76.6
 175 5.2 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 0.118 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036648.D
 Acq: 2 Apr 2021 17:06

Tgt Ion: 119 Resp: 55961
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 30.8
 91 25.5 25.0 37.6

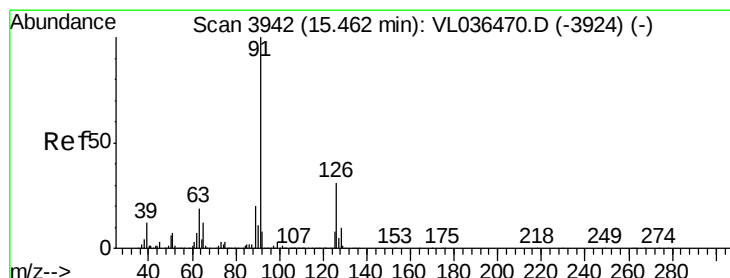
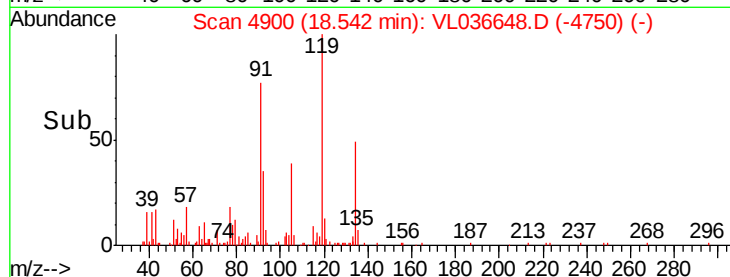
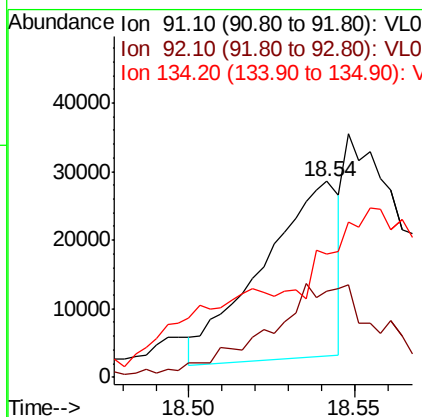
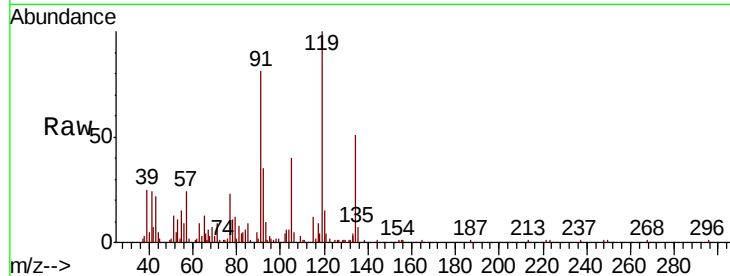




#70
n-Butylbenzene
Concen: 0.084 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. -0.02 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

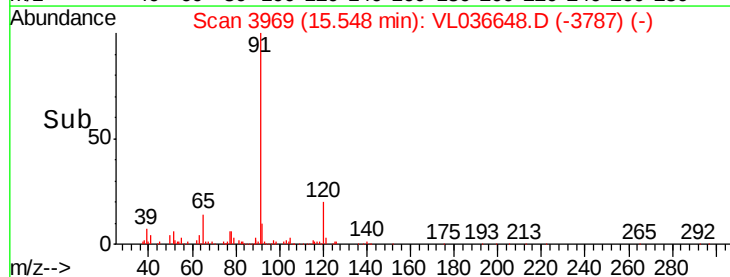
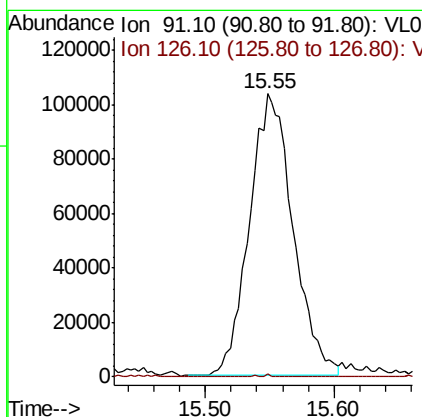
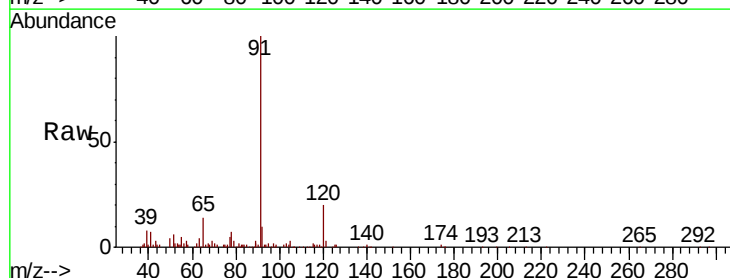
Instrument :
MSVOA_L
ClientSampled :

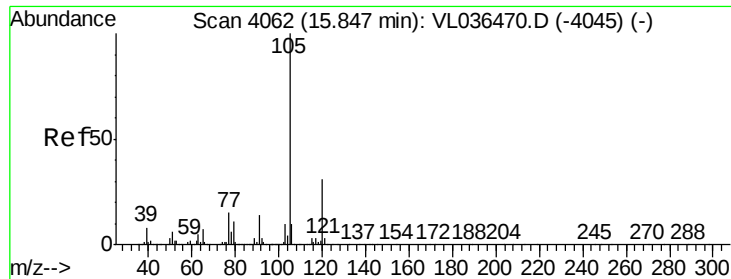
Tot Ion: 91 Resp: 41256
Ion Ratio Lower Upper
91 100
92 86.4 43.8 65.8#
134 0.0 18.0 27.0#



#71
2-Chlorotoluene
Concen: 0.659 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. 0.09 min
Lab File: VL036648.D
Acq: 2 Apr 2021 17:06

Tgt Ion: 91 Resp: 244494
Ion Ratio Lower Upper
91 100
126 0.2 12.1 48.5#





#72

4-Ethyltoluene

Concen: 0.849 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 341856

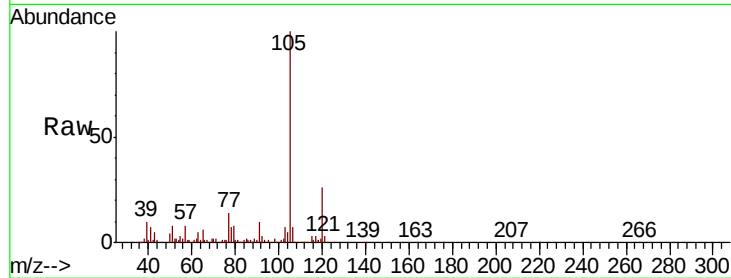
Ion Ratio Lower Upper

105 100

120 30.6 24.0 36.0

91 12.0 11.0 16.4

77 14.7 11.7 17.5

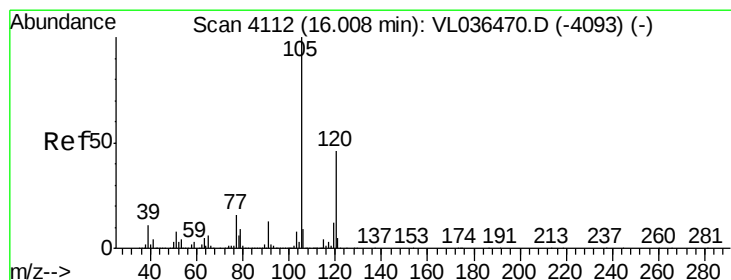
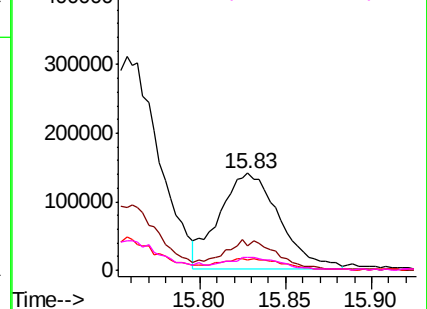
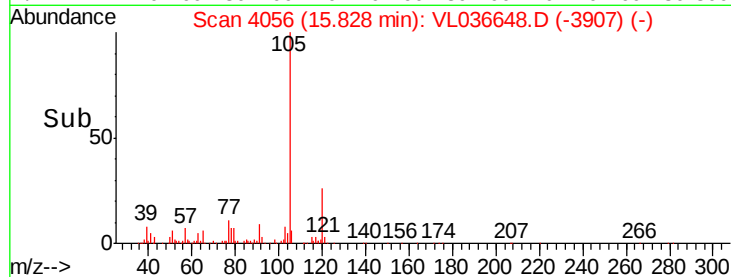


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.983 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.03 min

Lab File: VL036648.D

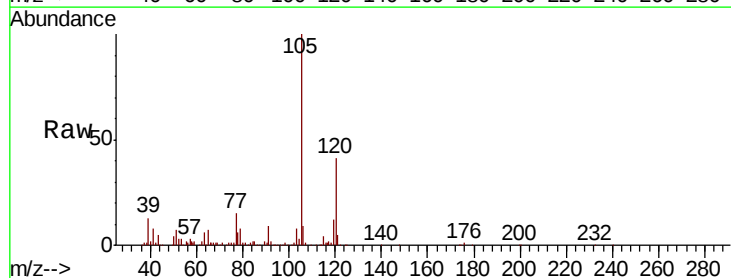
Acq: 2 Apr 2021 17:06

Tgt Ion:105 Resp: 369531

Ion Ratio Lower Upper

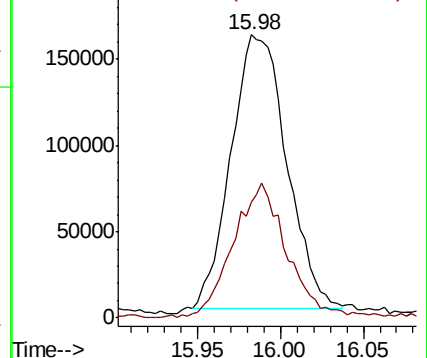
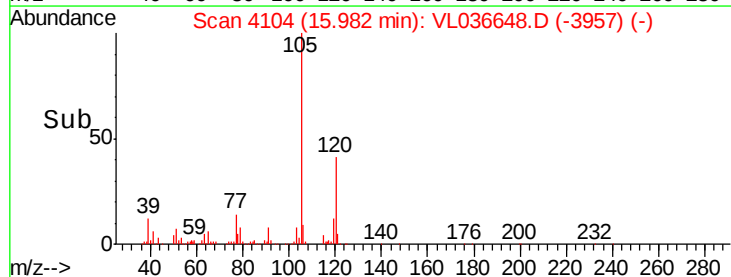
105 100

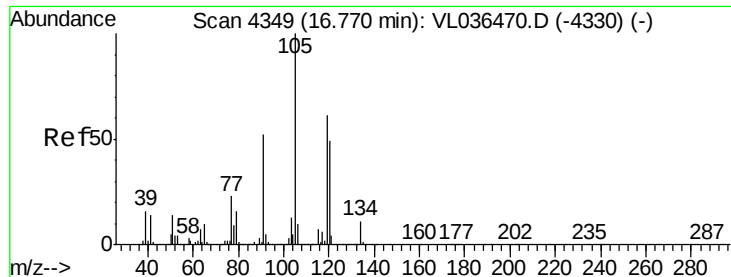
120 40.8 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 3.019 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1214444

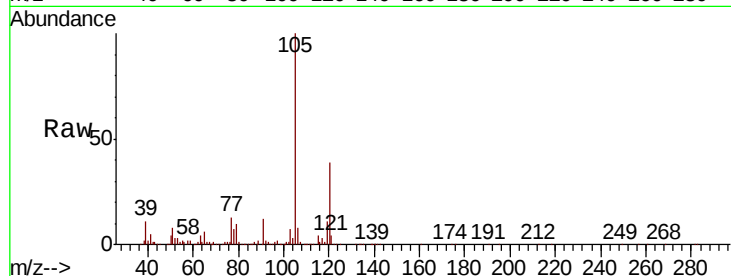
Ion Ratio Lower Upper

105 100

120 39.4 39.2 58.8

91 11.9 42.6 64.0#

77 12.6 18.6 28.0#



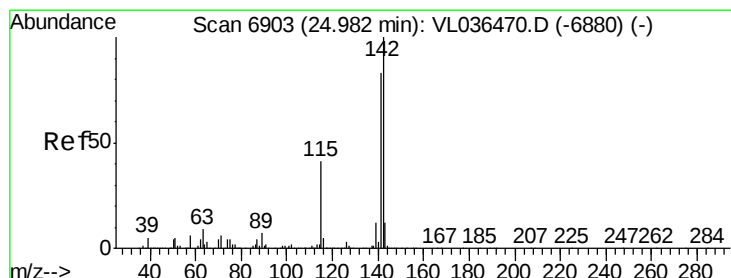
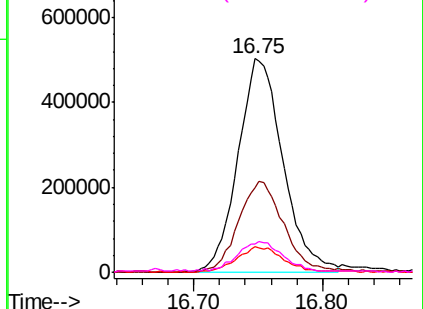
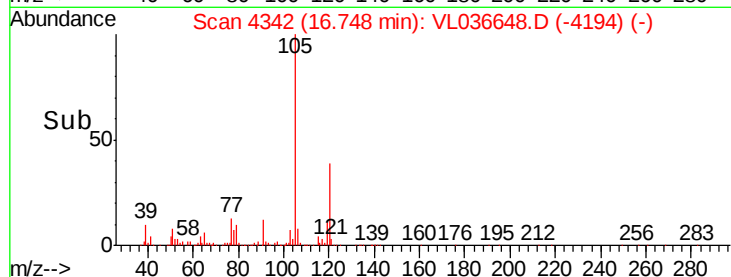
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#80

Naphthalene, 2-methyl-

Concen: 0.060 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.02 min

Lab File: VL036648.D

Acq: 2 Apr 2021 17:06

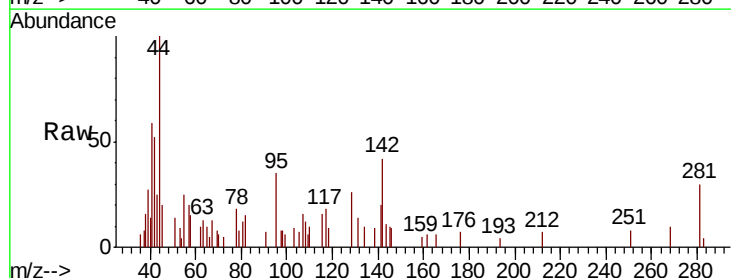
Tgt Ion:142 Resp: 2766

Ion Ratio Lower Upper

142 100

141 135.7 67.8 101.8#

115 122.7 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

