

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036520.D
 Acq On : 26 Mar 2021 19:12
 Operator : SY/AP
 Sample : M1760-15
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 27 03:30:26 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	5.68	49	1448998	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3246941	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3100524	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2417875	9.78	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	50770	0.215	ppbv 100
3) Chlorodifluoromethane	2.97	51	872242	3.222	ppbv # 63
4) Chloromethane	3.15	50	629742	6.586	ppbv 99
6) Bromomethane	3.47	94	1681	0.031	ppbv 98
7) Chloroethane	3.57	64	14615	0.433	ppbv # 87
9) Propene	3.02	41	110480	1.280	ppbv 88
10) Heptane	8.14	43	14271	0.065	ppbv # 45
11) Trichlorofluoromethane	3.96	101	31679	0.132	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	5384	0.035	ppbv # 1
13) Ethanol	3.62	45	4457841	433.741	ppbv 94
15) Acetone	3.86	43	1902916	13.343	ppbv 96
16) 1,3-Butadiene	3.31	39	55644	0.560	ppbv # 27
17) tert-Butyl alcohol	4.32	59	91131	0.734	ppbv # 87
19) Isopropyl Alcohol	3.99	45	1307230	16.663	ppbv 98
20) Methylene Chloride	4.35	84	46381	0.695	ppbv 96
21) Allyl Chloride	4.37	41	6973	0.061	ppbv # 76
23) Vinyl Acetate	5.08	43	389445	1.596	ppbv # 94
24) 1,1-Dichloroethane	5.02	63	3646	0.021	ppbv # 49
25) Ethyl Acetate	5.69	43	1244650	3.671	ppbv 97
26) Hexane	5.70	57	469917	2.987	ppbv # 76
27) Carbon Disulfide	4.56	76	11189	0.072	ppbv # 1
29) Chloroform	5.76	83	146674	0.583	ppbv # 80
31) cis-1,2-Dichloroethene	5.56	61	211120	1.387	ppbv 94
32) 1,1,1-Trichloroethane	6.53	97	11728	0.046	ppbv # 1
34) 2-Butanone	5.26	43	252476	1.593	ppbv 95
35) Carbon Tetrachloride	7.03	117	8043	0.032	ppbv # 75
36) Benzene	6.91	78	37006	0.124	ppbv 99
37) 1,2-Dichloroethane	6.32	62	7911	0.045	ppbv # 82
38) Trichloroethene	7.85	130	783066	6.719	ppbv 98
39) 1,2-Dichloropropane	7.19	63	898769	7.399	ppbv # 23
40) 1,4-Dioxane	7.85	88	587	0.021	ppbv # 1
41) Tetrahydrofuran	6.07	42	4273	0.058	ppbv # 1
44) 2,2,4-Trimethylpentane	7.89	57	21956	0.042	ppbv # 1
50) 4-Methyl-2-Pentanone	8.76	43	10879	0.047	ppbv # 56
51) 2-Hexanone	10.16	43	31042	0.268	ppbv # 49
53) Toluene	9.82	91	357860	1.122	ppbv 100
58) Ethyl Benzene	12.73	91	24859	0.055	ppbv 94
59) m/p-Xylene	13.02	91	21302	0.054	ppbv # 32
60) o-Xylene	13.71	91	28742	0.076	ppbv # 46
61) Styrene	13.55	104	15387	0.080	ppbv # 1
66) Benzyl Chloride	17.02	91	1284	0.026	ppbv # 66

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

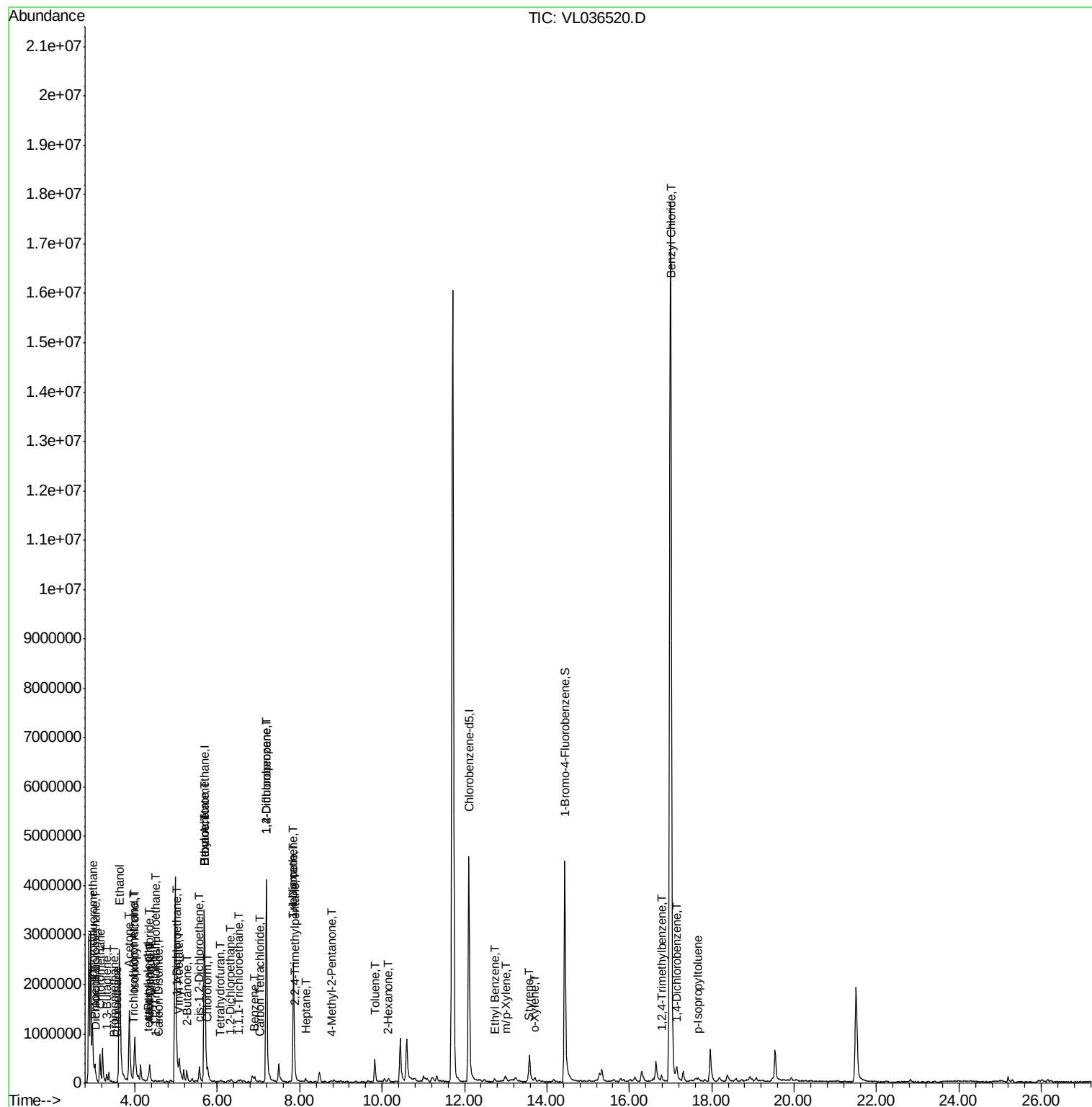
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.68	119	12236	0.025	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.78	105	70182	0.169	ppbv #	67
76) 1,4-Dichlorobenzene	17.16	146	89644	0.385	ppbv	83

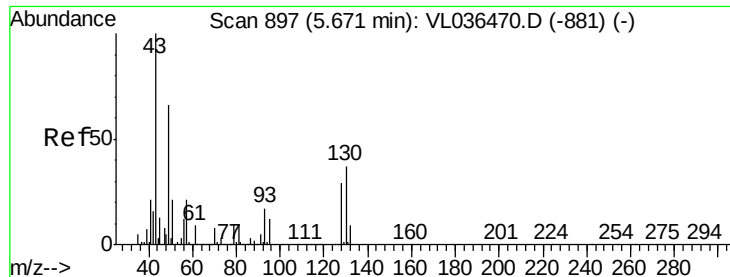
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

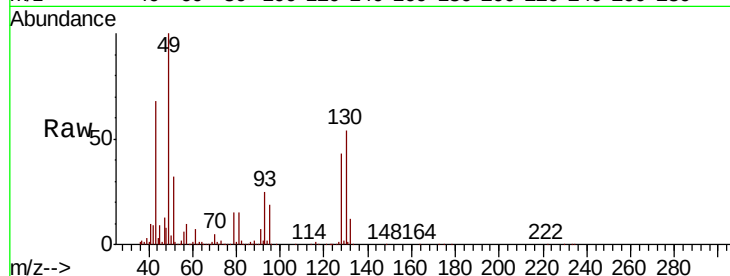
Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1448998

Ion	Ratio	Lower	Upper
49	100		
128	43.9	23.5	70.6
130	56.2	29.1	87.4



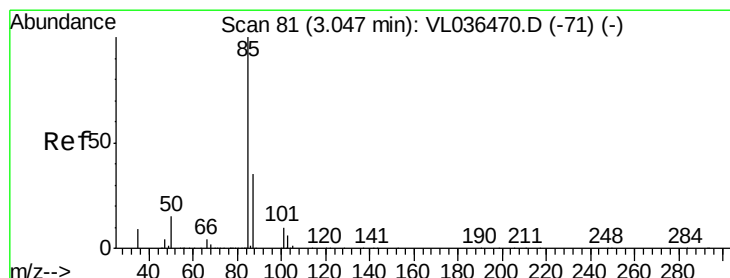
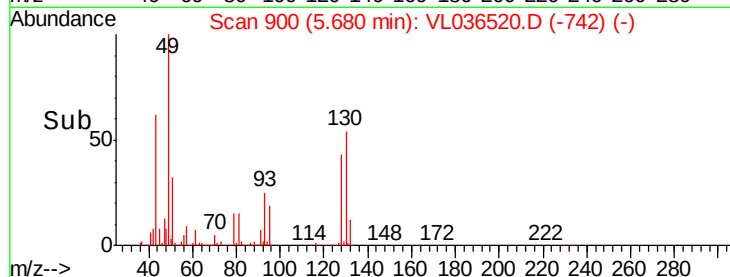
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 0.215 ppbv

RT: 3.06 min Scan# 84

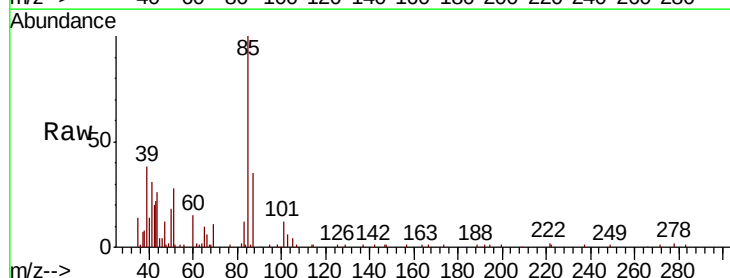
Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Tgt Ion: 85 Resp: 50770

Ion	Ratio	Lower	Upper
85	100		
87	35.1	27.8	41.8

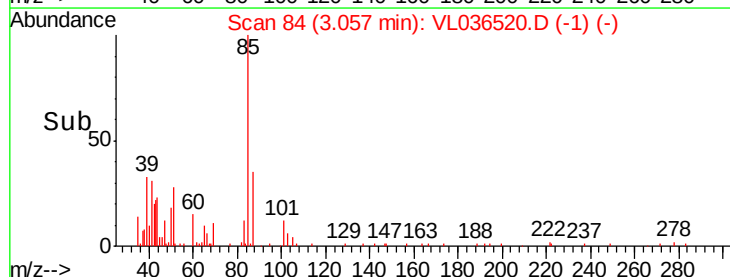


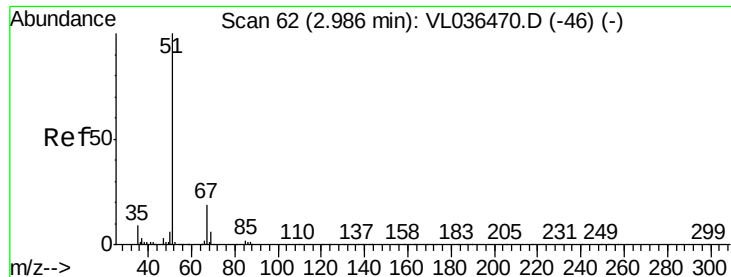
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

Time-->

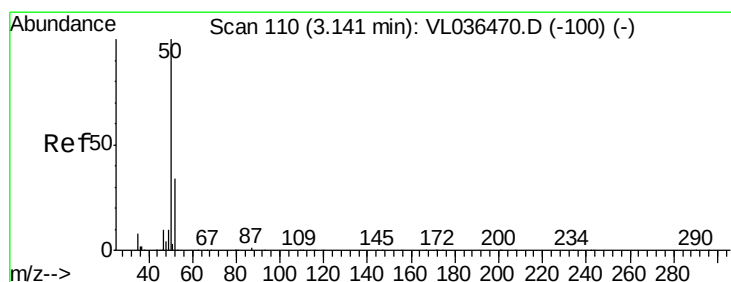
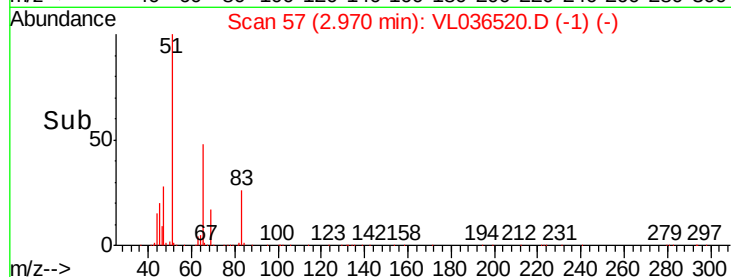
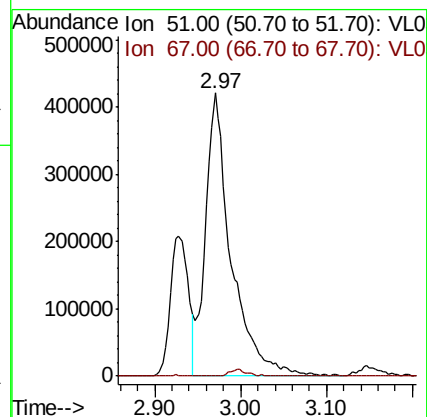
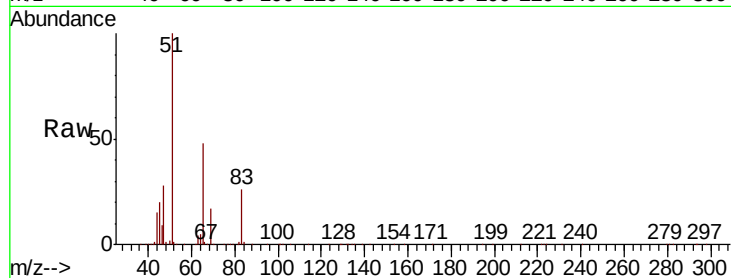




#3
Chlorodifluoromethane
Concen: 3.222 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

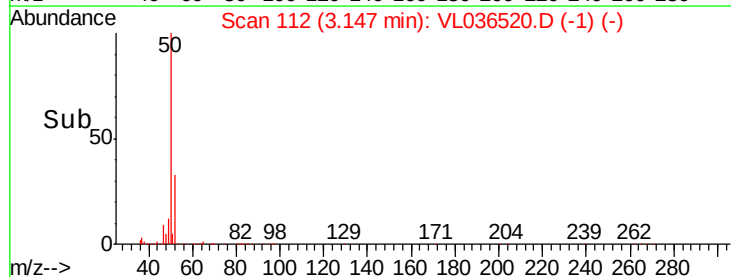
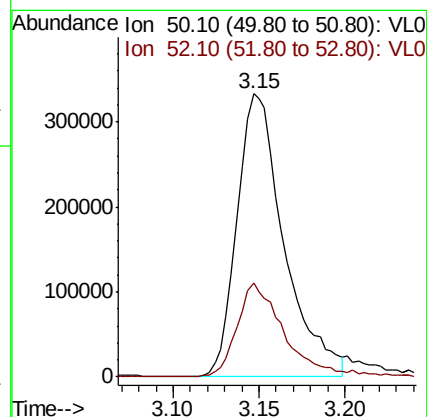
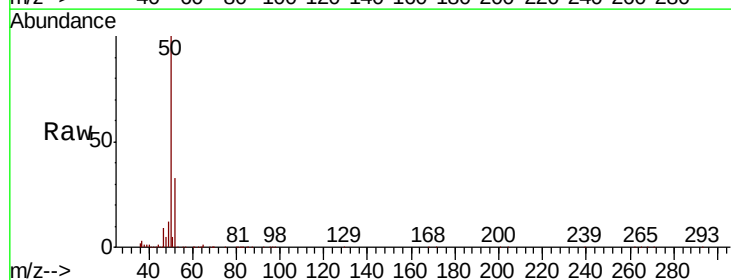
Instrument :
MSVOA_L
ClientSampleId :

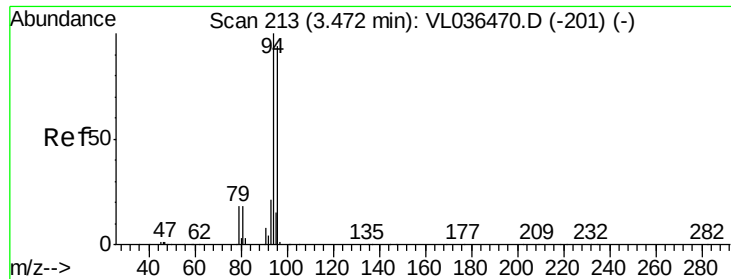
Tot Ion: 51 Resp: 872242
Ion Ratio Lower Upper
51 100
67 2.0 14.7 22.1#



#4
Chloromethane
Concen: 6.586 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion: 50 Resp: 629742
Ion Ratio Lower Upper
50 100
52 33.2 27.0 40.6





#6

Bromomethane

Concen: 0.031 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

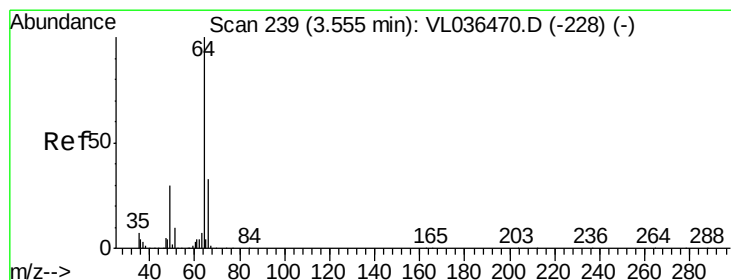
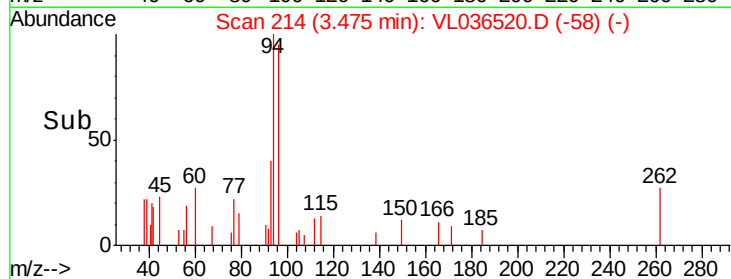
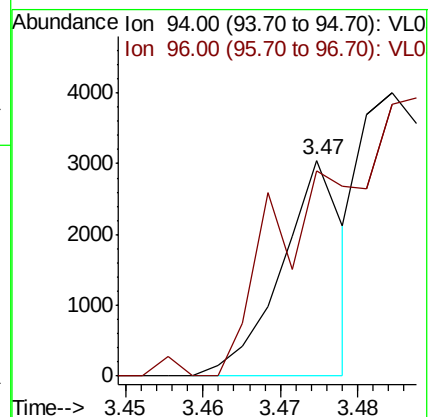
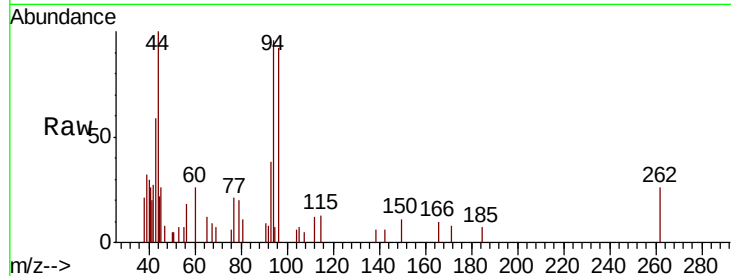
ClientSampleId :

Tot Ion: 94 Resp: 1681

Ion Ratio Lower Upper

94 100

96 95.3 74.9 112.3



#7

Chloroethane

Concen: 0.433 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL036520.D

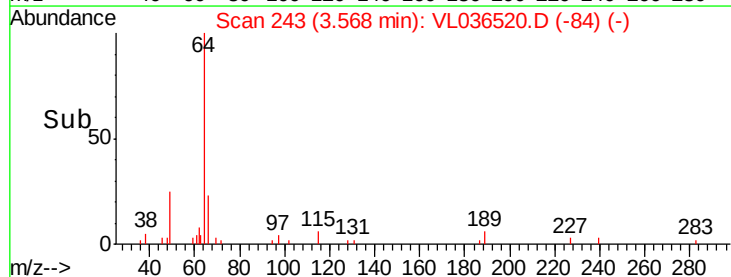
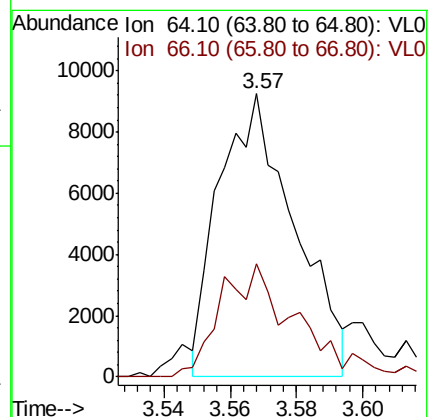
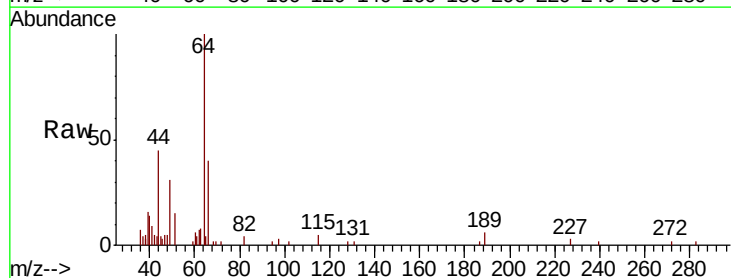
Acq: 26 Mar 2021 19:12

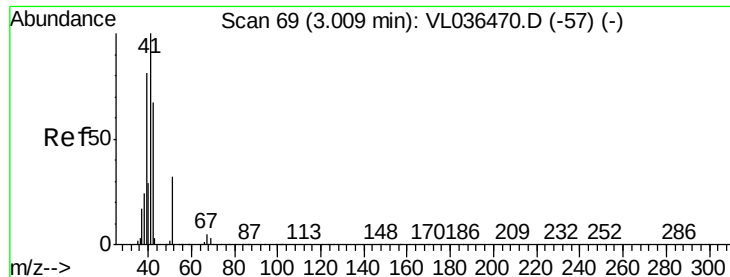
Tgt Ion: 64 Resp: 14615

Ion Ratio Lower Upper

64 100

66 40.0 26.2 39.2#





#9

Propene

Concen: 1.280 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

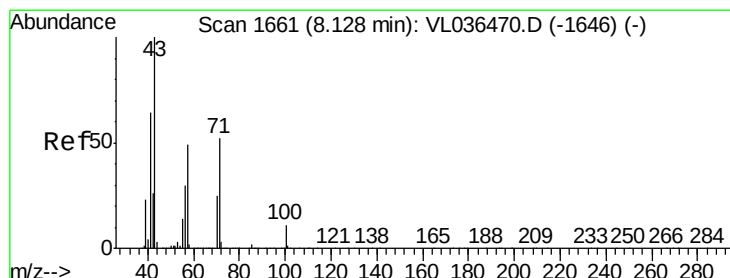
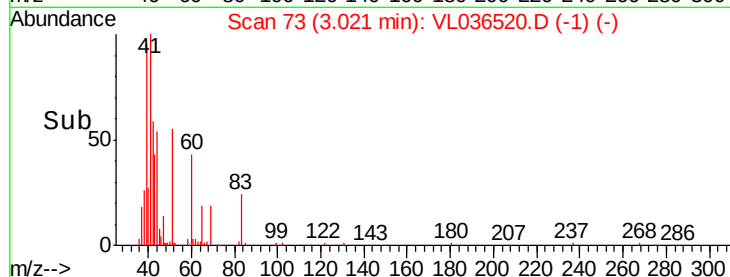
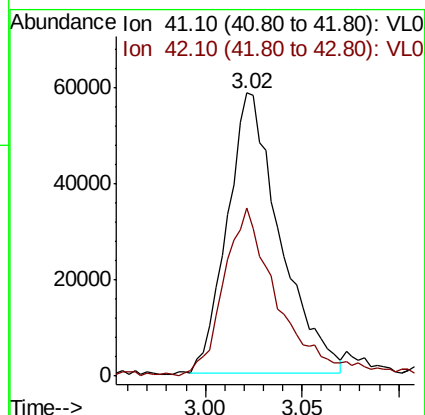
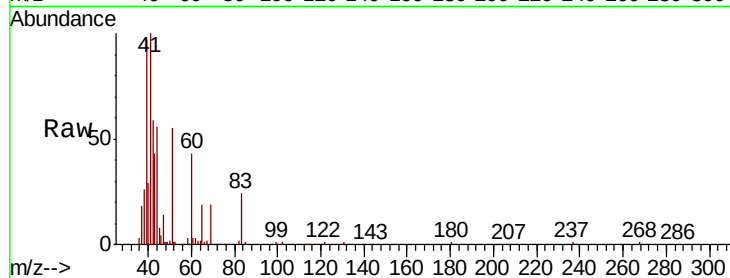
ClientSampleId :

Tot Ion: 41 Resp: 110480

Ion Ratio Lower Upper

41 100

42 61.2 57.0 85.4



#10

Heptane

Concen: 0.065 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL036520.D

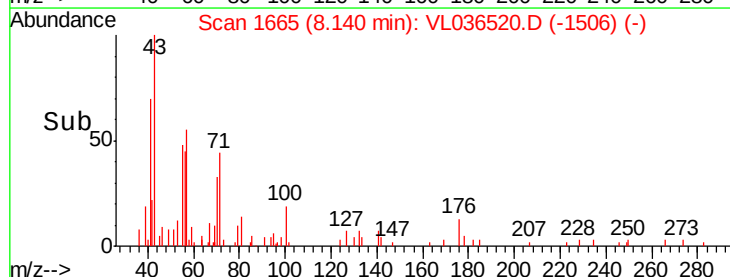
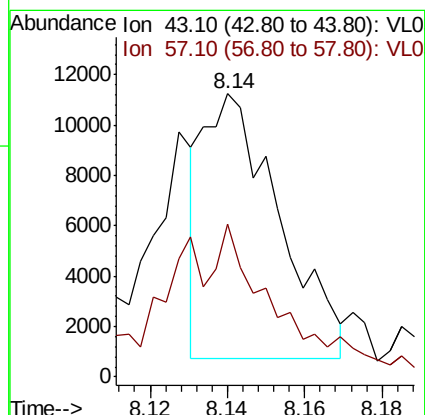
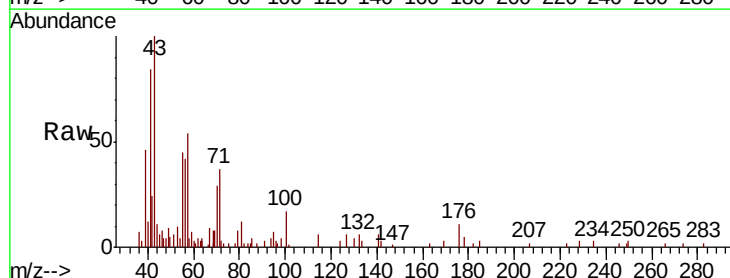
Acq: 26 Mar 2021 19:12

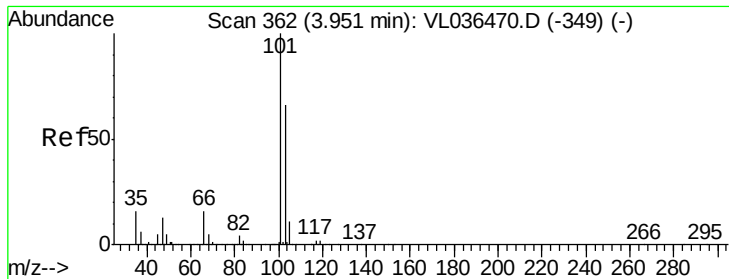
Tgt Ion: 43 Resp: 14271

Ion Ratio Lower Upper

43 100

57 86.0 39.0 58.6#

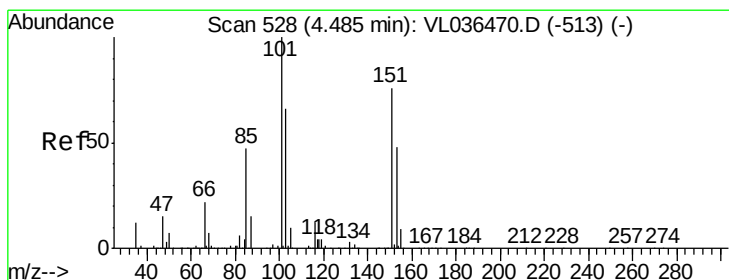
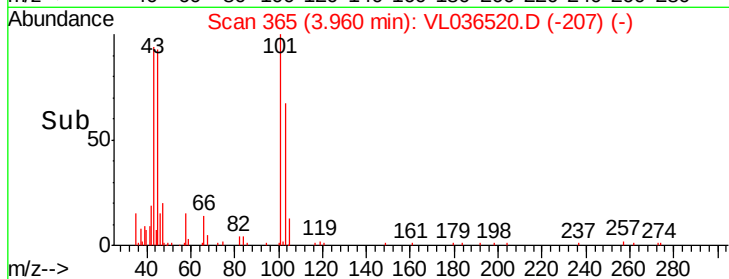
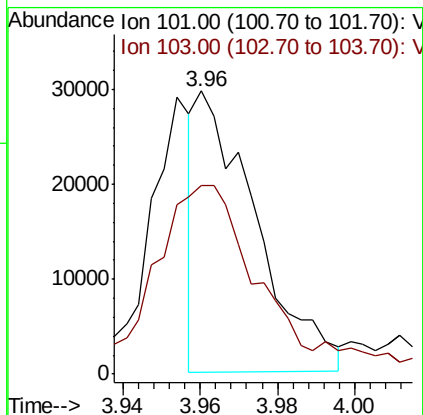
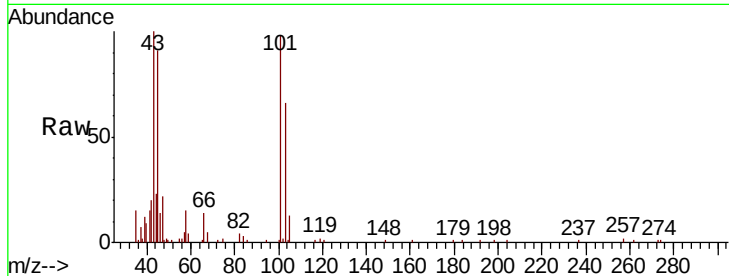




#11
 Trichlorofluoromethane
 Concen: 0.132 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

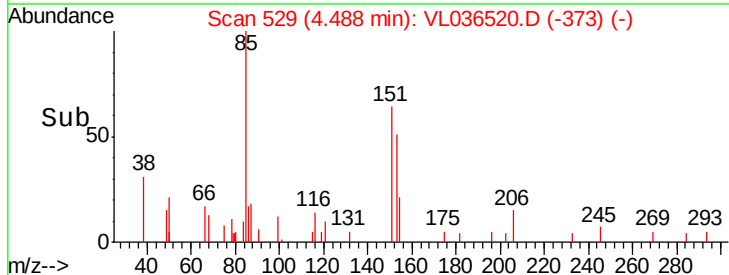
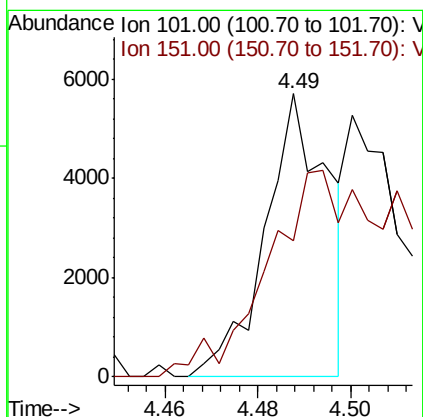
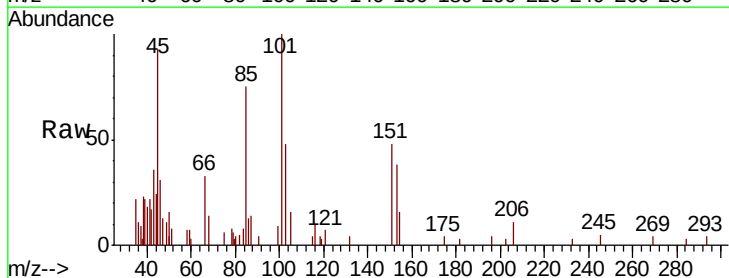
Instrument :
 MSVOA_L
 ClientSampleId :

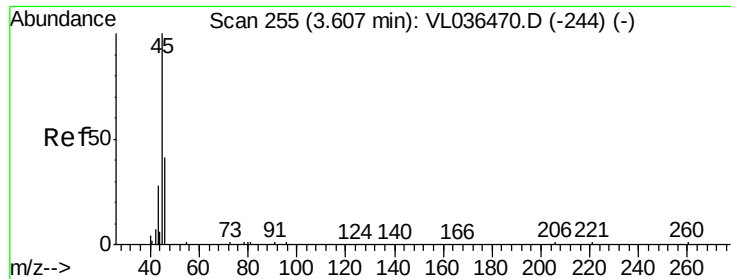
Tot Ion:101 Resp: 31679
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.035 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

Tgt Ion:101 Resp: 5384
 Ion Ratio Lower Upper
 101 100
 151 163.9 60.9 91.3#

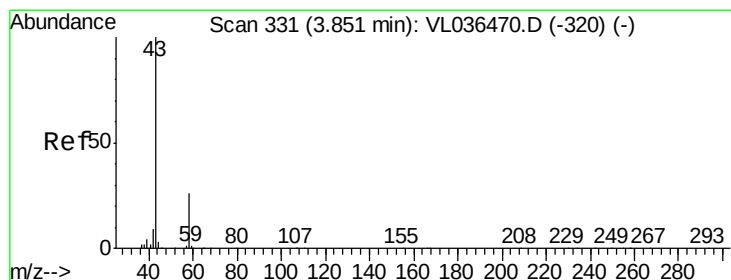
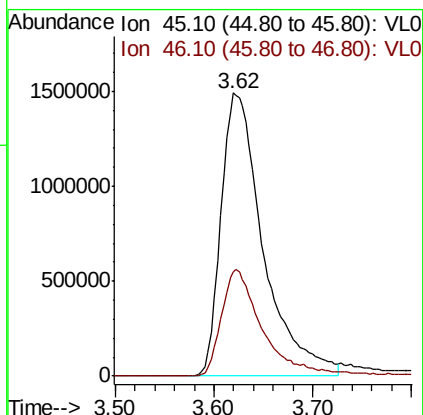
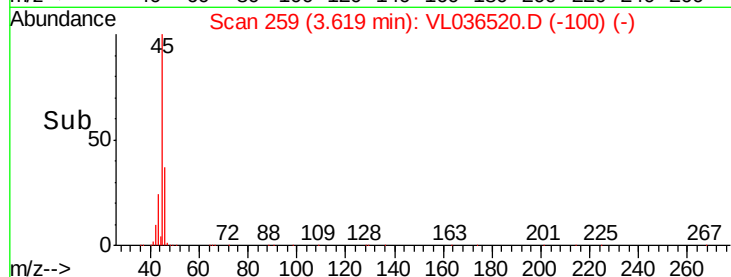
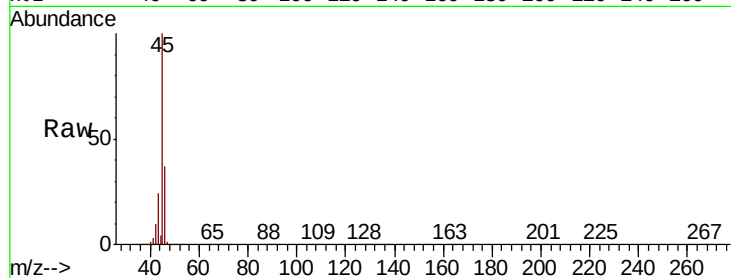




#13
Ethanol
Concen: 433.741 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

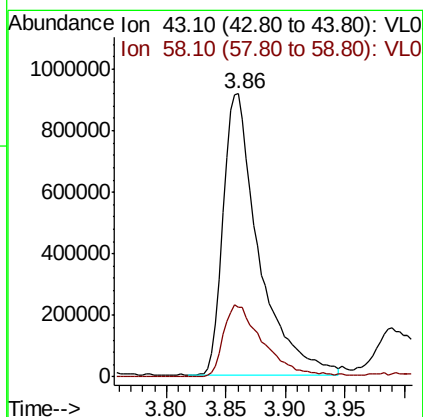
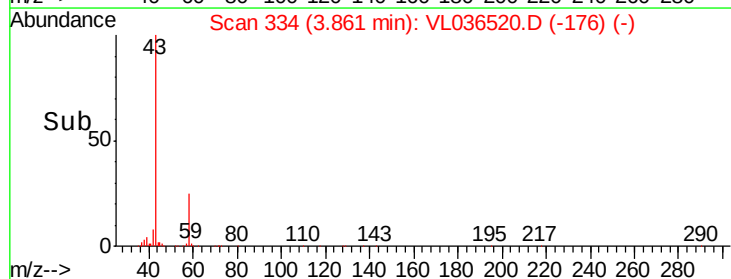
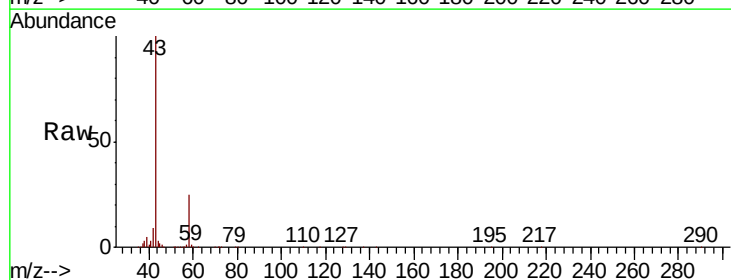
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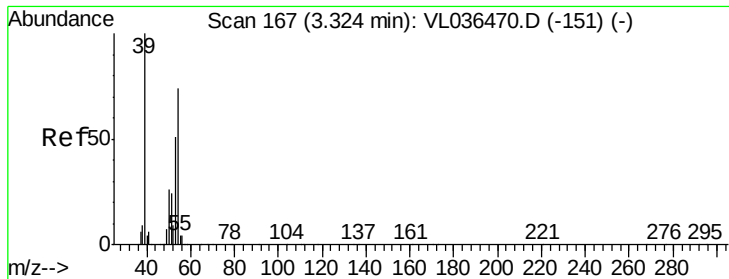
Tot Ion: 45 Resp: 4457841
Ion Ratio Lower Upper
45 100
46 37.9 16.6 66.2



#15
Acetone
Concen: 13.343 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion: 43 Resp: 1902916
Ion Ratio Lower Upper
43 100
58 28.8 21.2 31.8

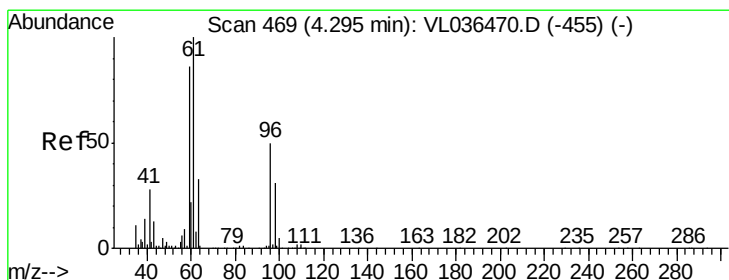
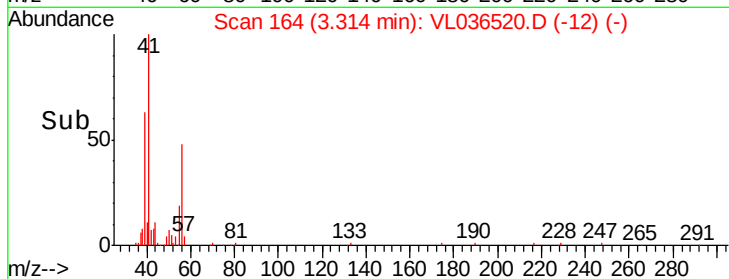
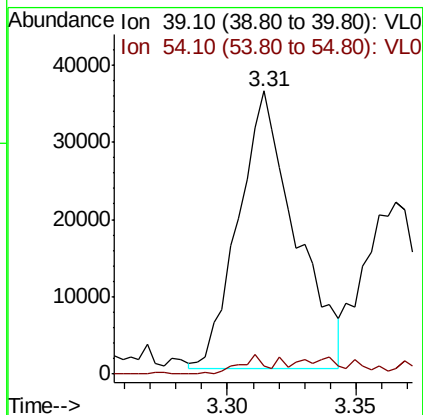
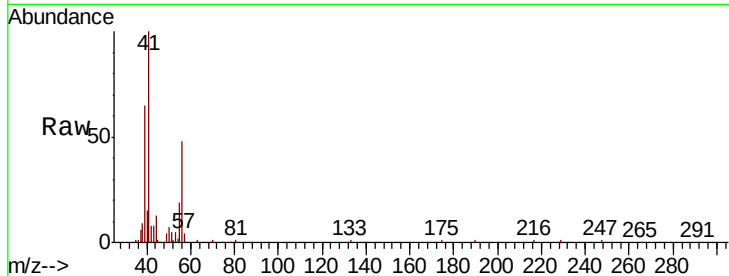




#16
 1,3-Butadiene
 Concen: 0.560 ppbv
 RT: 3.31 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

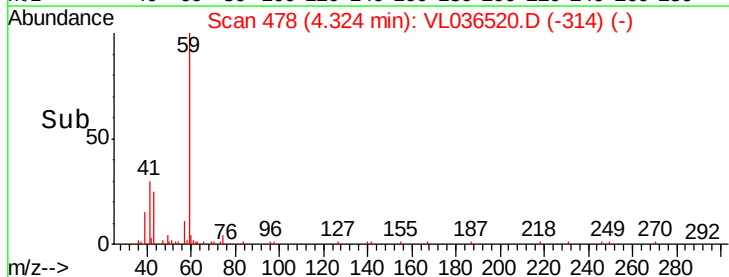
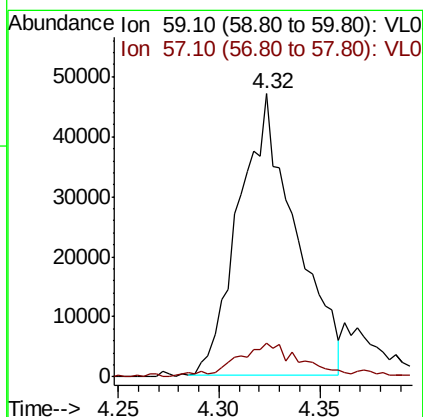
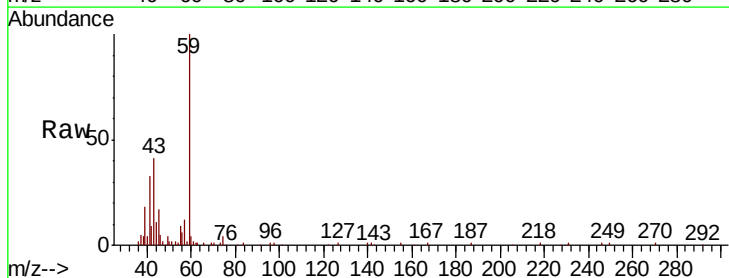
Instrument :
 MSVOA_L
 ClientSampleId :

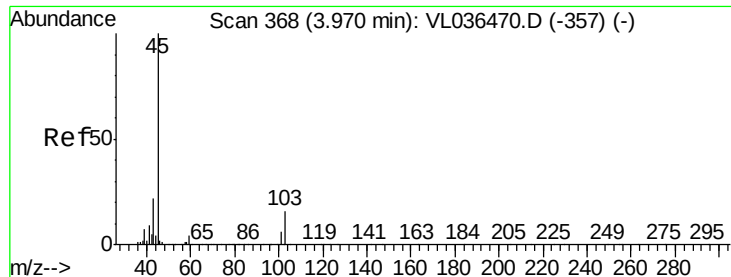
Tot Ion: 39 Resp: 55644
 Ion Ratio Lower Upper
 39 100
 54 12.1 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 0.734 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.03 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

Tgt Ion: 59 Resp: 91131
 Ion Ratio Lower Upper
 59 100
 57 15.5 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 16.663 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

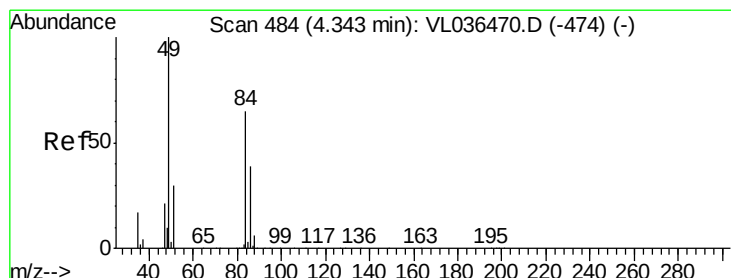
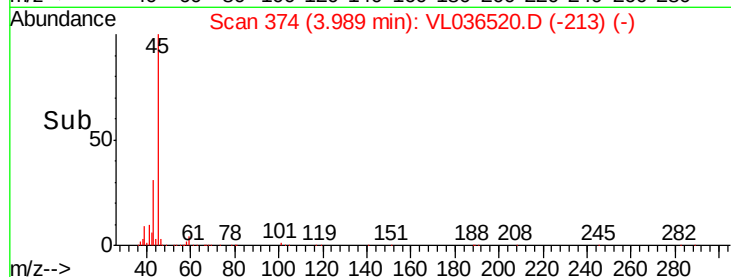
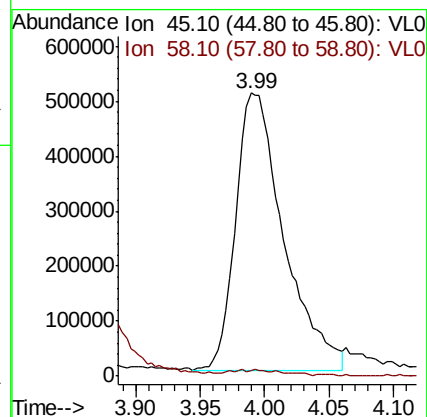
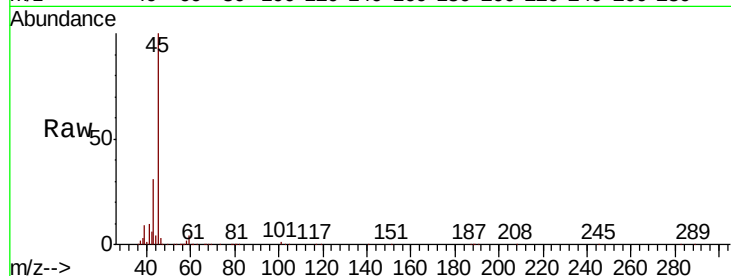
ClientSampled :

Tot Ion: 45 Resp: 1307230

Ion Ratio Lower Upper

45 100

58 2.9 2.9 4.3



#20

Methylene Chloride

Concen: 0.695 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Tgt Ion: 84 Resp: 46381

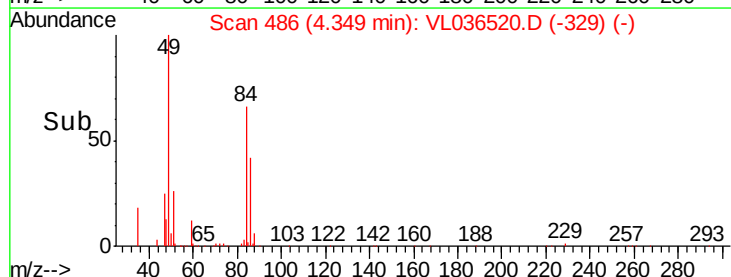
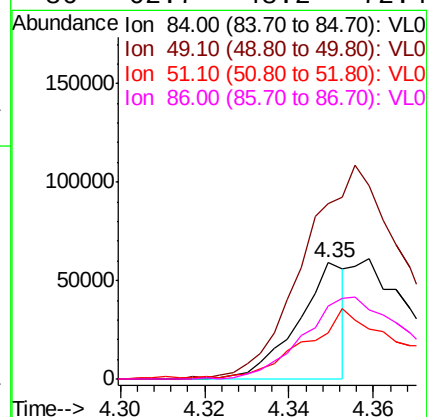
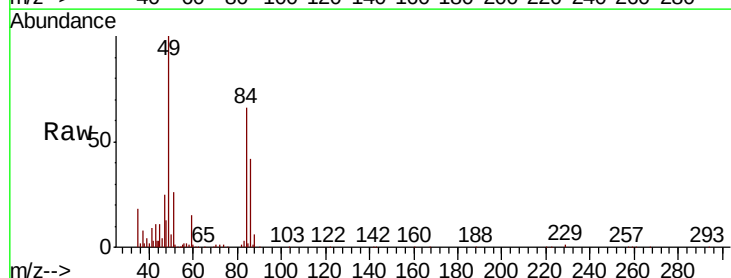
Ion Ratio Lower Upper

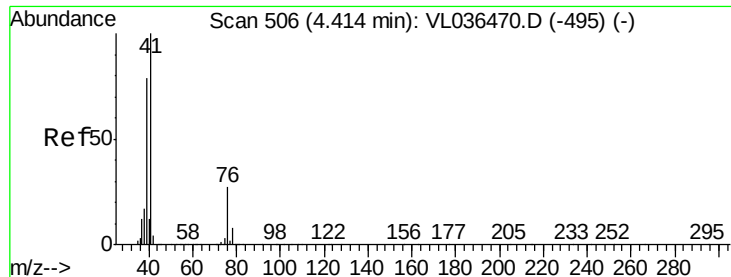
84 100

49 148.8 122.9 184.3

51 40.4 36.9 55.3

86 62.7 48.2 72.4





#21

Allvl Chloride

Concen: 0.061 ppbv

RT: 4.37 min Scan# 493

Delta R.T. -0.04 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

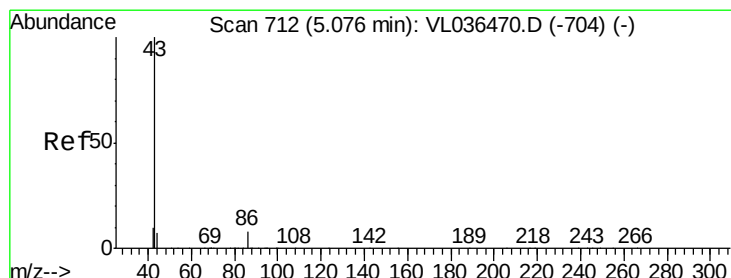
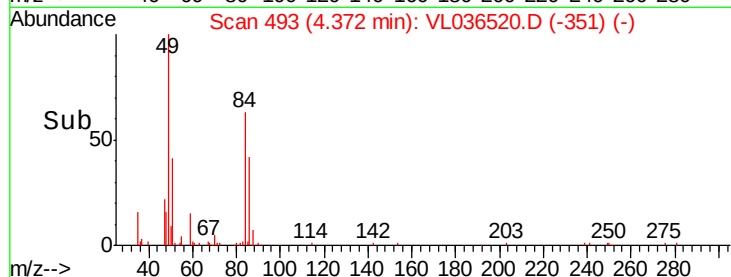
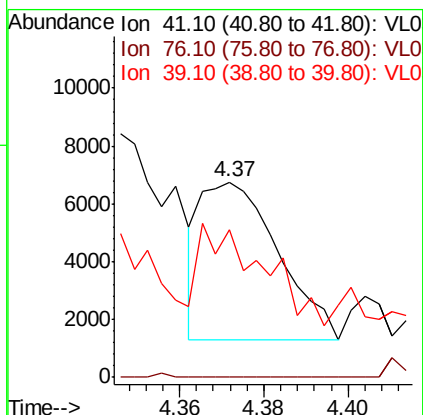
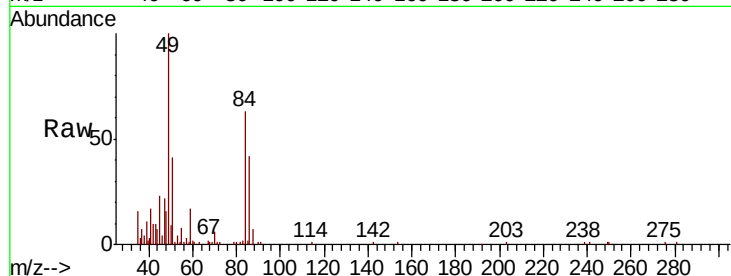
Tot Ion: 41 Resp: 6973

Ion Ratio Lower Upper

41 100

76 0.0 22.9 34.3#

39 96.4 67.3 100.9



#23

Vinyl Acetate

Concen: 1.596 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Tgt Ion: 43 Resp: 389445

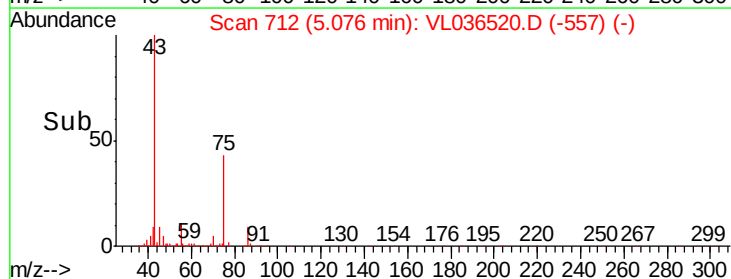
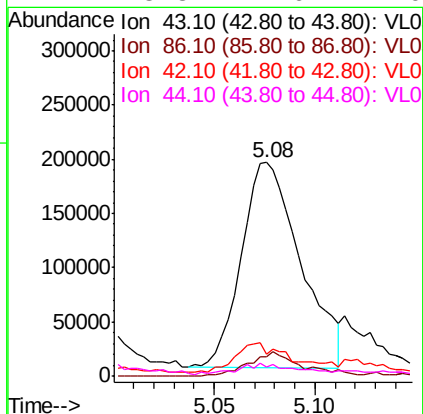
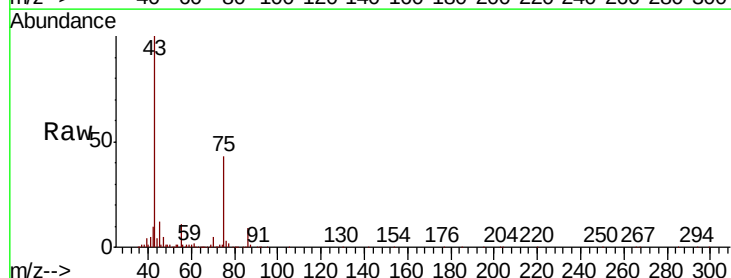
Ion Ratio Lower Upper

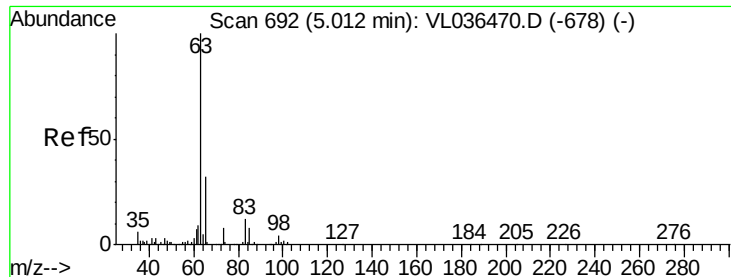
43 100

86 9.1 5.4 8.0#

42 9.0 8.5 12.7

44 3.3 4.6 7.0#





#24

1,1-Dichloroethane

Concen: 0.021 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

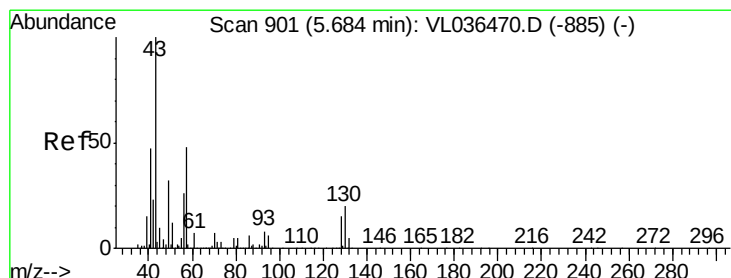
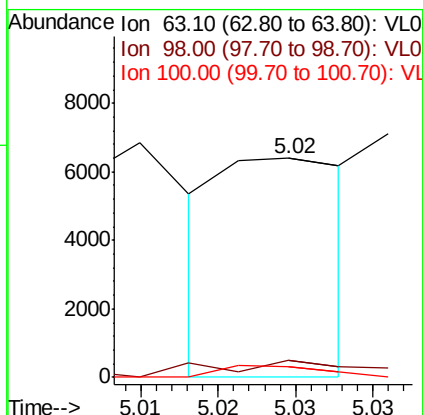
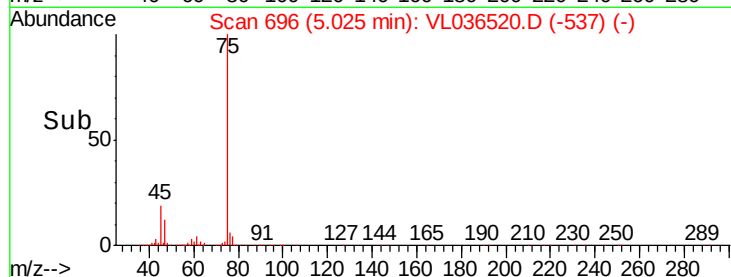
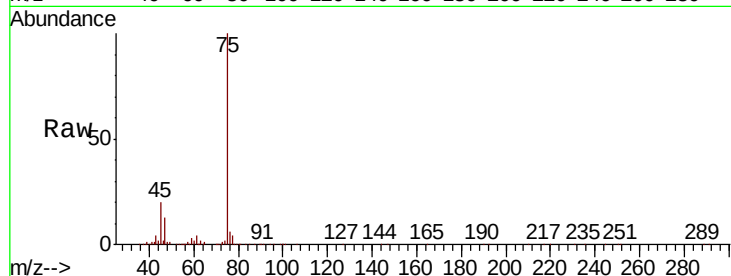
Tot Ion: 63 Resp: 3646

Ion Ratio Lower Upper

63 100

98 17.3 2.1 6.2#

100 28.5 0.9 2.8#



#25

Ethyl Acetate

Concen: 3.671 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Tgt Ion: 43 Resp: 1244650

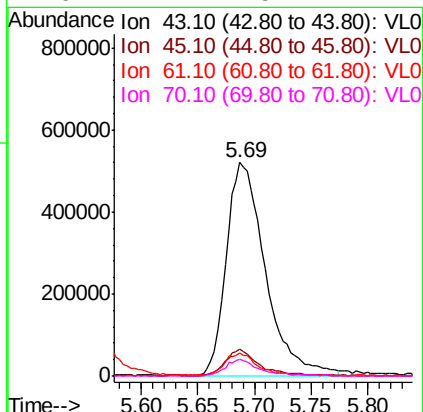
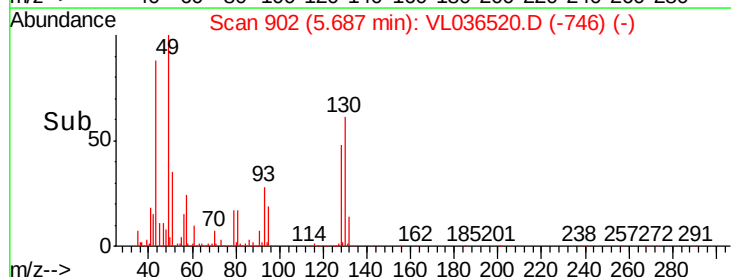
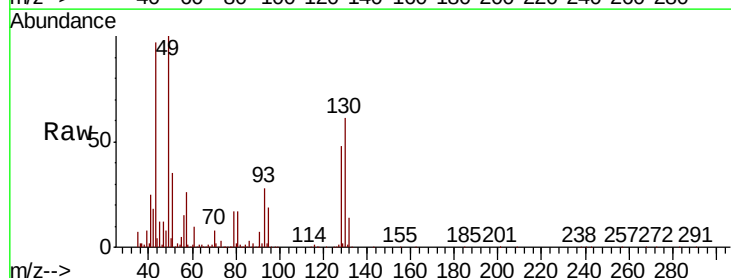
Ion Ratio Lower Upper

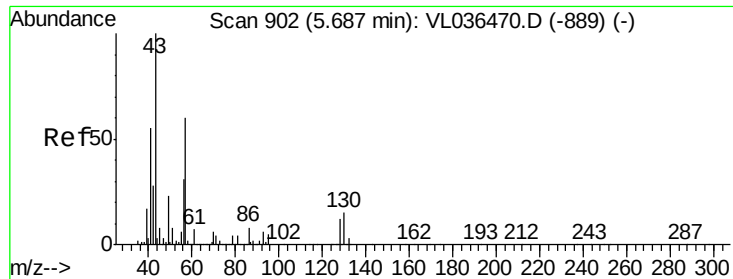
43 100

45 11.0 7.9 11.9

61 10.2 7.4 11.2

70 7.2 5.1 7.7

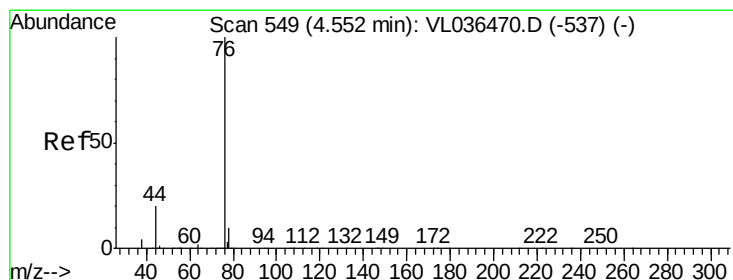
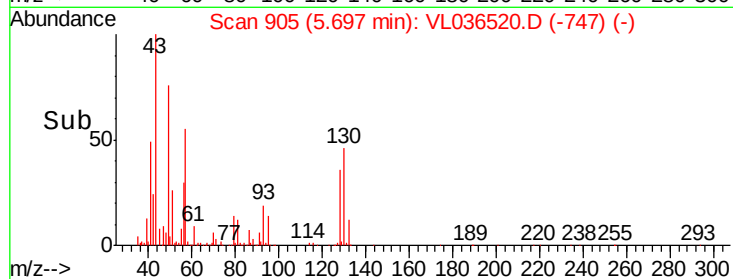
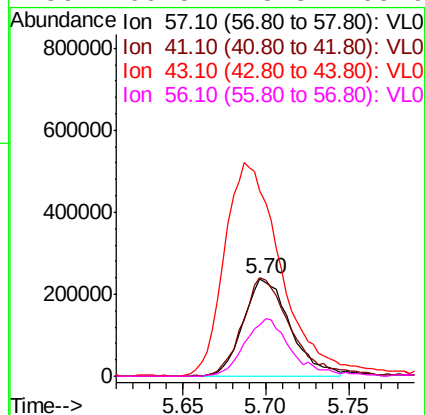
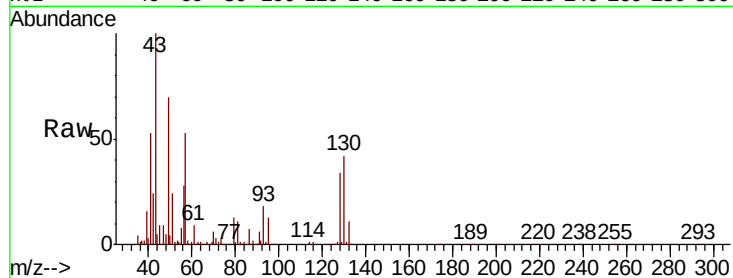




#26
Hexane
Concen: 2.987 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

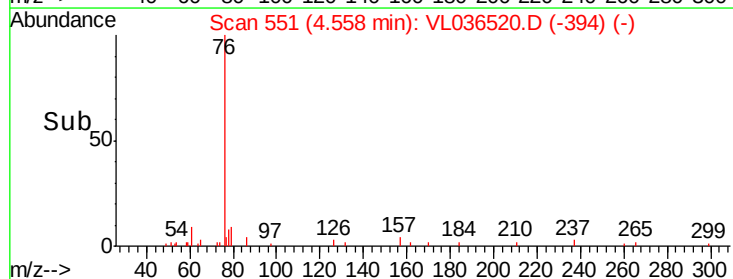
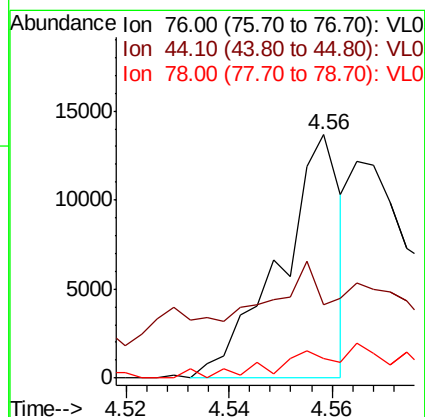
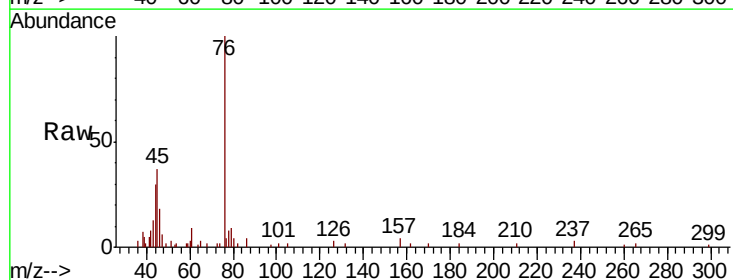
Instrument :
MSVOA_L
ClientSampleId :

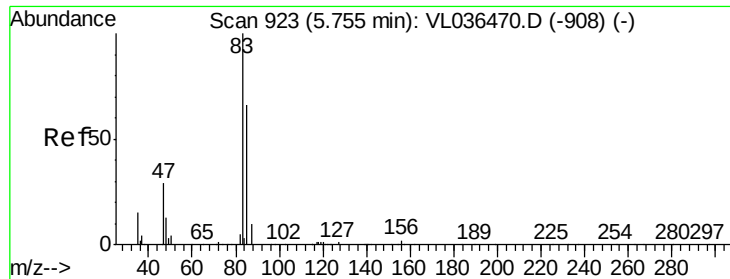
Tot Ion:	57	Resp:	469917
Ion	Ratio	Lower	Upper
57	100		
41	107.4	77.2	115.8
43	272.2	173.8	260.6#
56	60.5	43.8	65.6



#27
Carbon Disulfide
Concen: 0.072 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion:	76	Resp:	11189
Ion	Ratio	Lower	Upper
76	100		
44	105.1	17.5	26.3#
78	0.0	8.6	13.0#

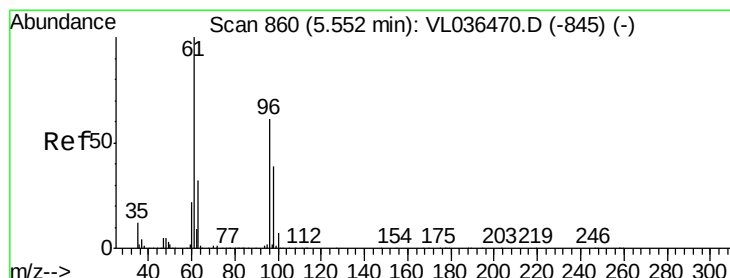
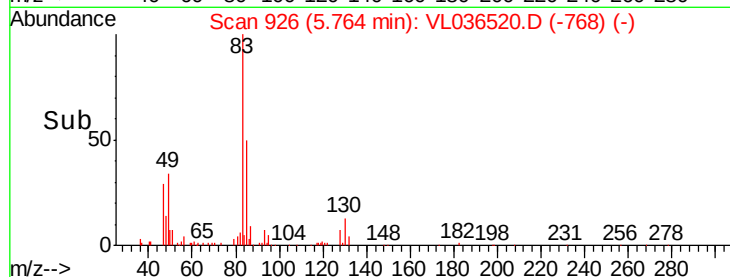
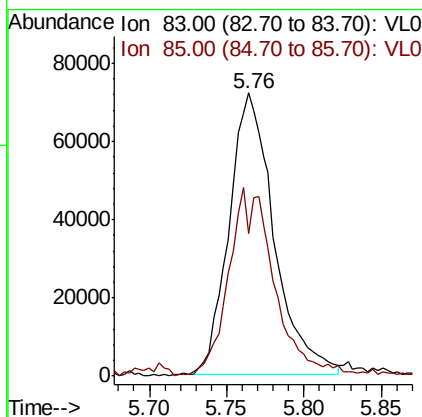
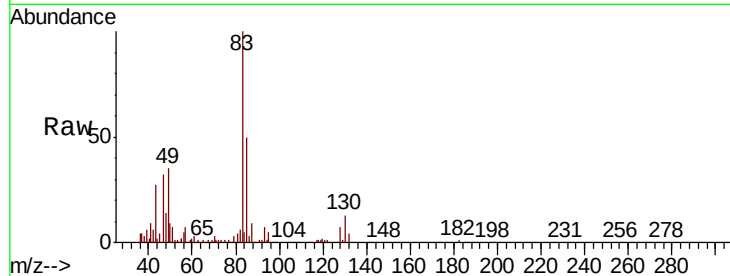




#29
Chloroform
Concen: 0.583 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

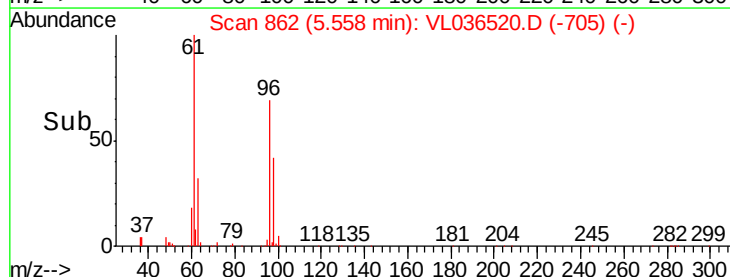
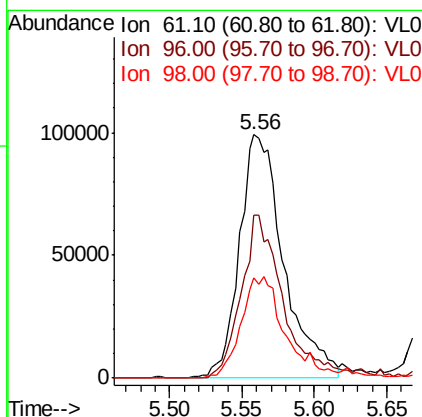
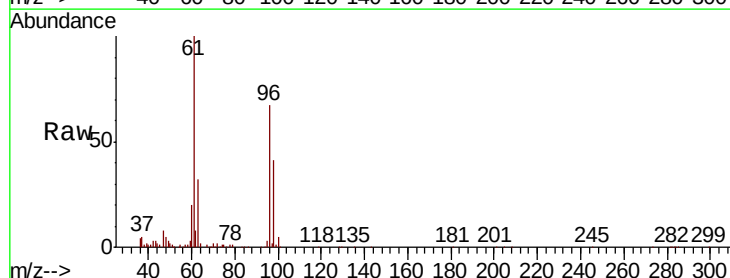
Instrument :
MSVOA_L
ClientSampleId :

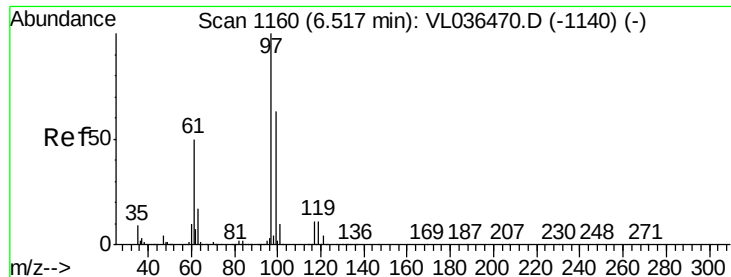
Tot Ion: 83 Resp: 146674
Ion Ratio Lower Upper
83 100
85 49.9 52.6 78.8#



#31
cis-1,2-Dichloroethene
Concen: 1.387 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion: 61 Resp: 211120
Ion Ratio Lower Upper
61 100
96 66.9 48.7 73.1
98 40.8 31.4 47.0





#32

1,1,1-Trichloroethane

Concen: 0.046 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

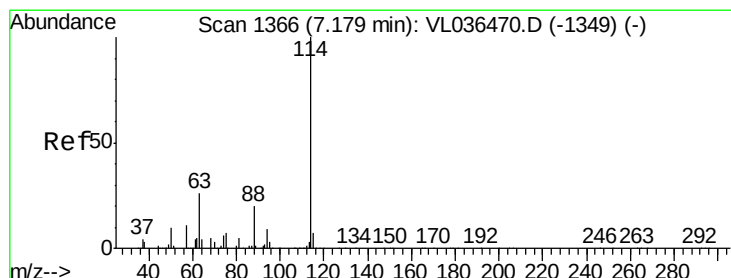
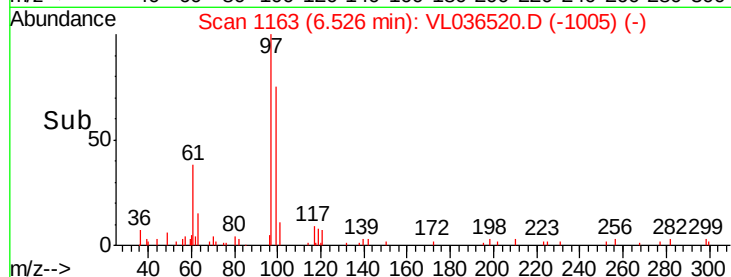
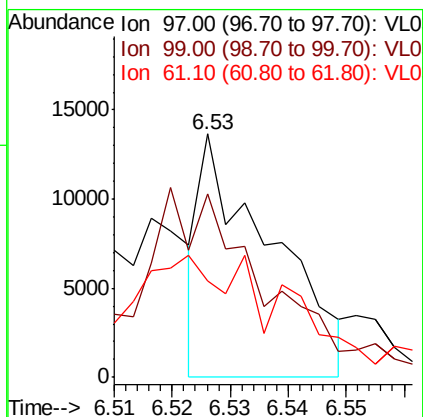
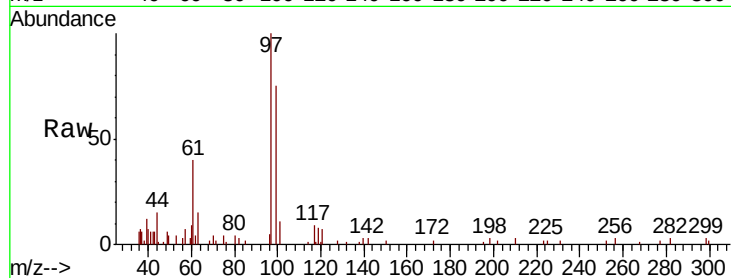
Tot Ion: 97 Resp: 11728

Ion Ratio Lower Upper

97 100

99 154.5 51.4 77.0#

61 126.3 40.6 60.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

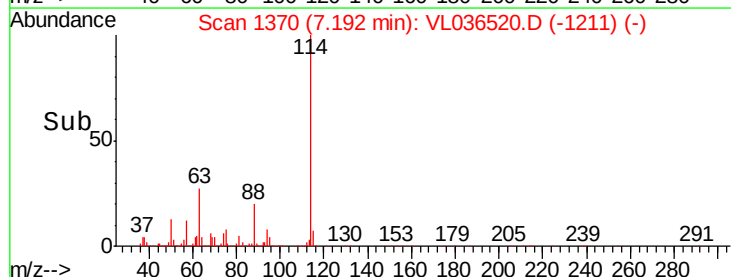
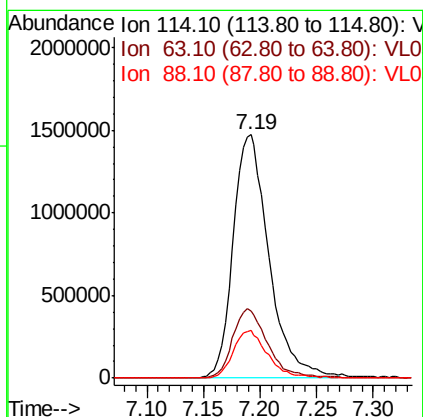
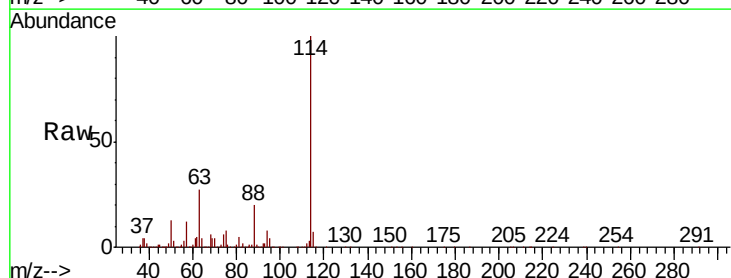
Tgt Ion: 114 Resp: 3246941

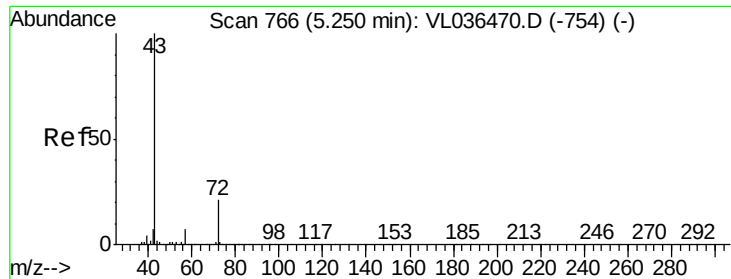
Ion Ratio Lower Upper

114 100

63 28.1 22.4 33.6

88 19.1 15.4 23.0

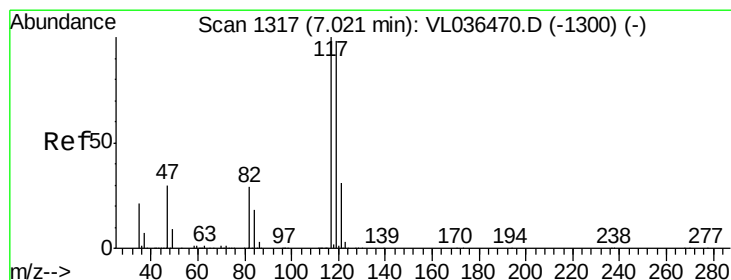
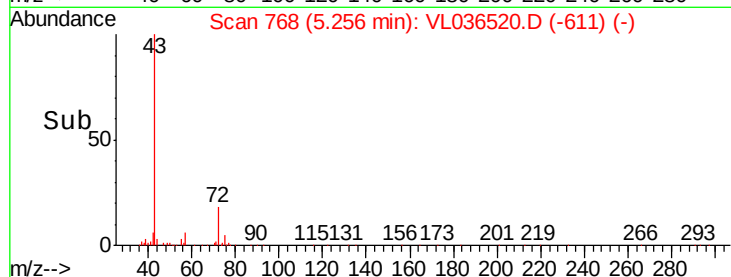
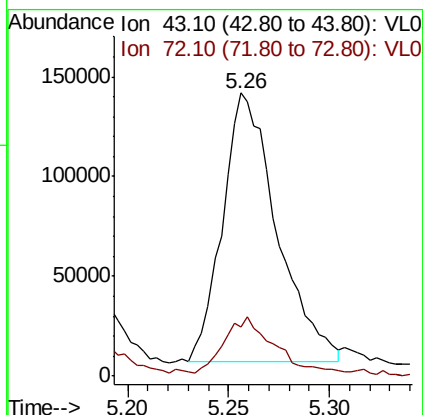
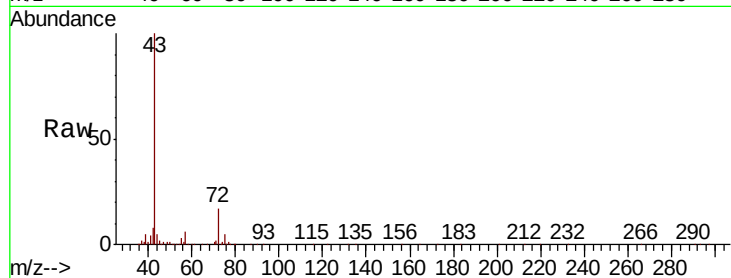




#34
2-Butanone
Concen: 1.593 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

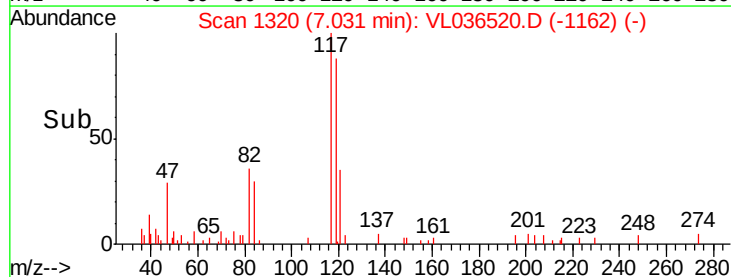
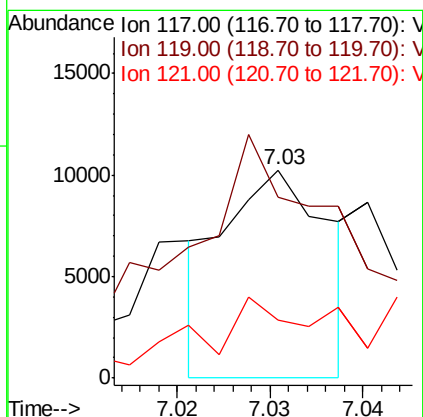
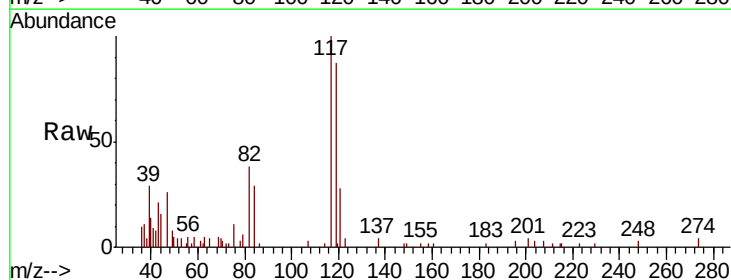
Instrument :
MSVOA_L
ClientSampleId :

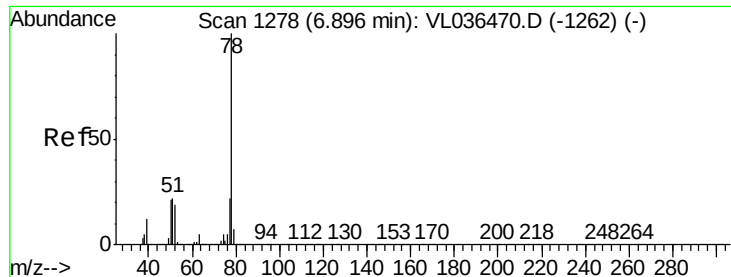
Tot Ion: 43 Resp: 252476
Ion Ratio Lower Upper
43 100
72 23.7 17.0 25.6



#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion: 117 Resp: 8043
Ion Ratio Lower Upper
117 100
119 78.0 78.2 117.2#
121 7.4 24.5 36.7#





#36

Benzene

Concen: 0.124 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

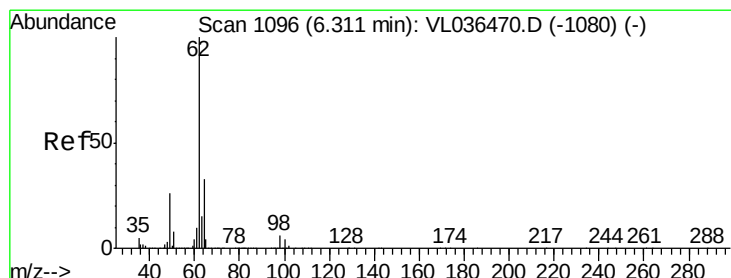
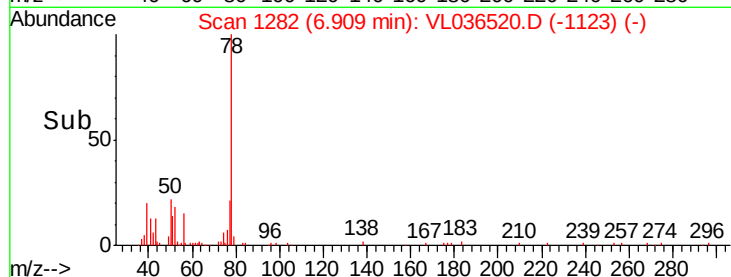
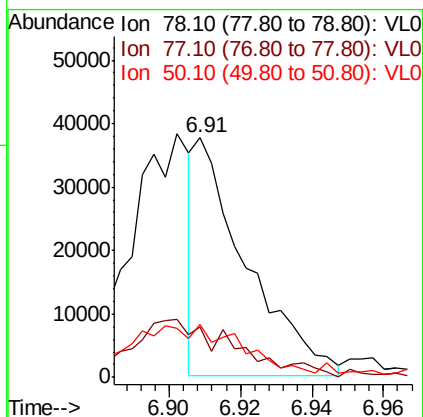
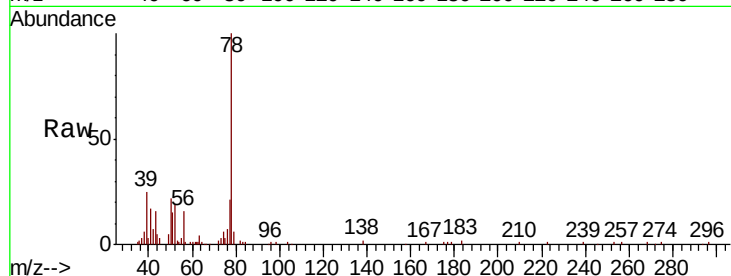
Tot Ion: 78 Resp: 37006

Ion Ratio Lower Upper

78 100

77 22.1 18.0 27.0

50 21.4 16.5 24.7



#37

1,2-Dichloroethane

Concen: 0.045 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VL036520.D

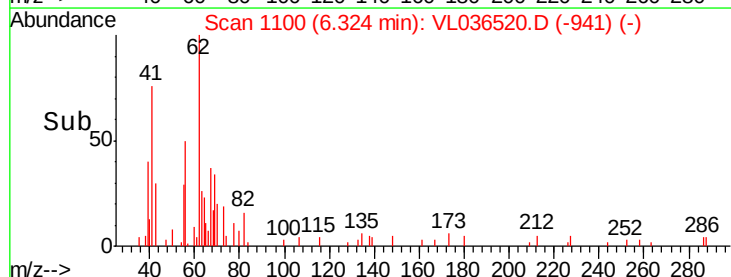
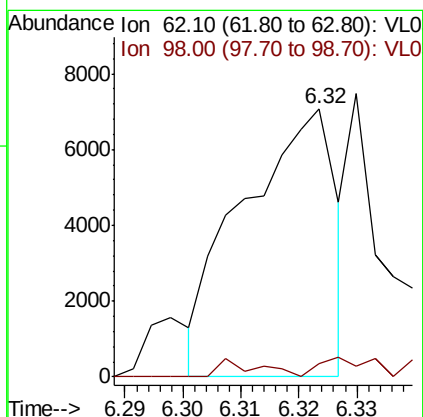
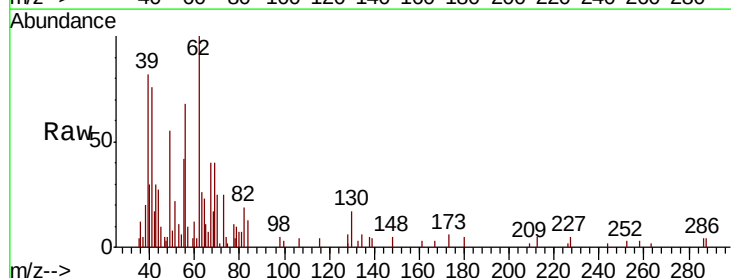
Acq: 26 Mar 2021 19:12

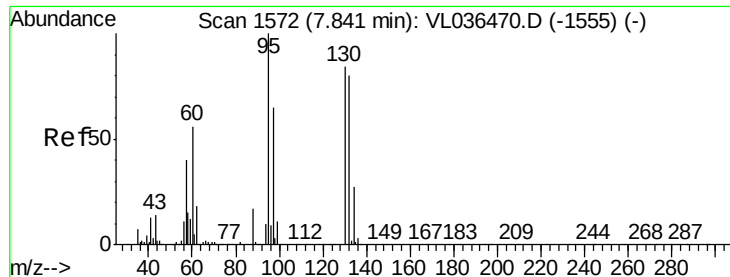
Tgt Ion: 62 Resp: 7911

Ion Ratio Lower Upper

62 100

98 0.0 4.9 7.3#

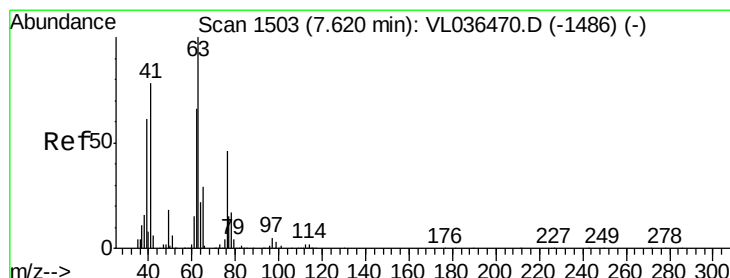
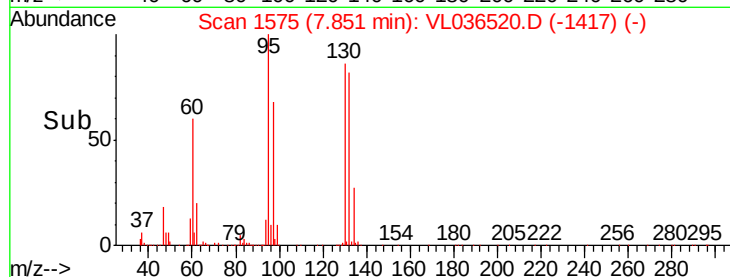
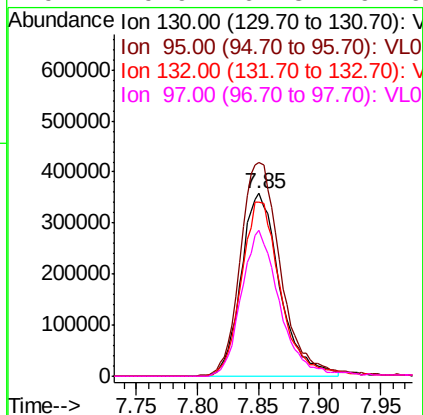
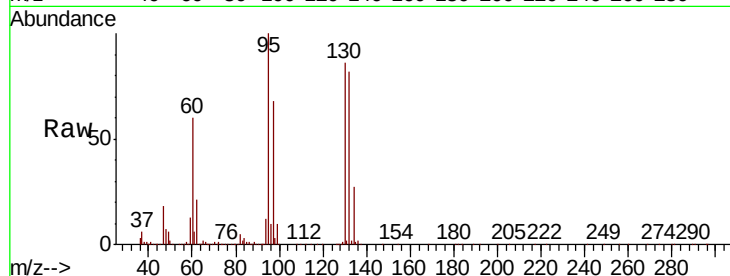




#38
 Trichloroethene
 Concen: 6.719 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

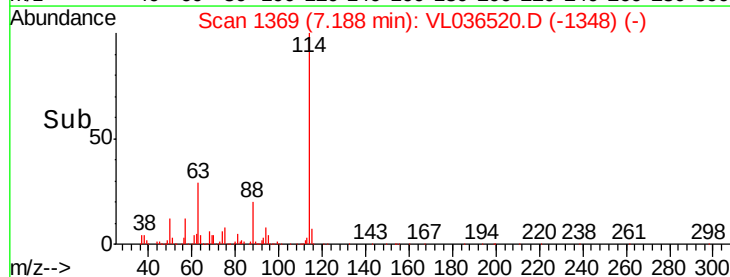
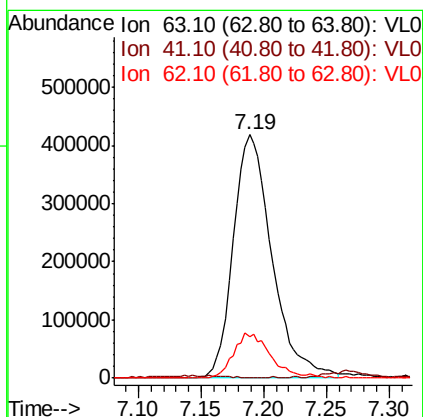
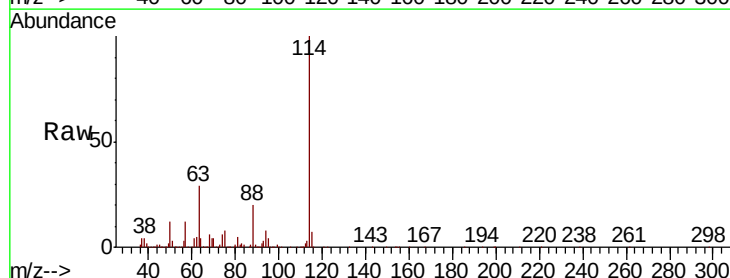
Instrument :
 MSVOA_L
 ClientSampleId :

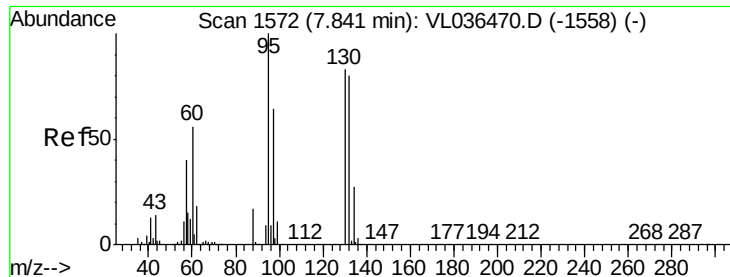
Tot Ion	Ratio	Lower	Upper
130	100		
95	116.7	95.7	143.5
132	95.2	76.2	114.4
97	79.9	61.8	92.6



#39
 1,2-Dichloropropane
 Concen: 7.399 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.43 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	16.9	52.8	79.2#





#40

1,4-Dioxane

Concen: 0.021 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 88 Resp: 587

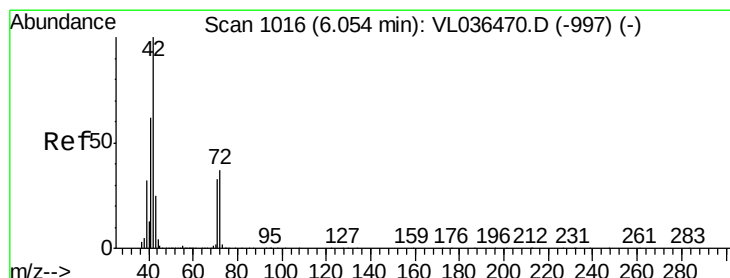
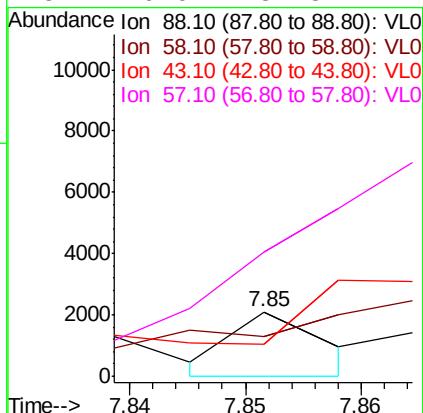
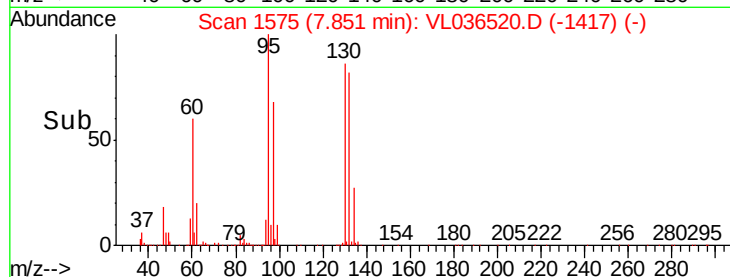
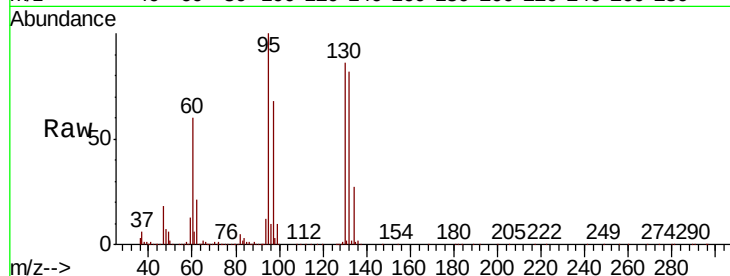
Ion Ratio Lower Upper

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: 0.058 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

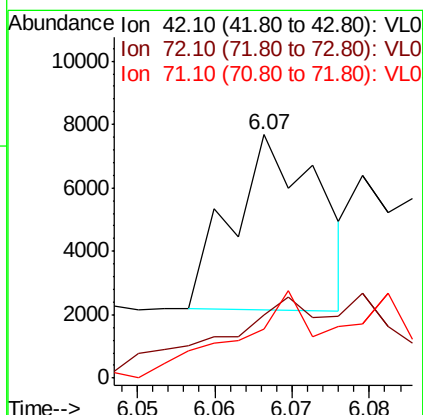
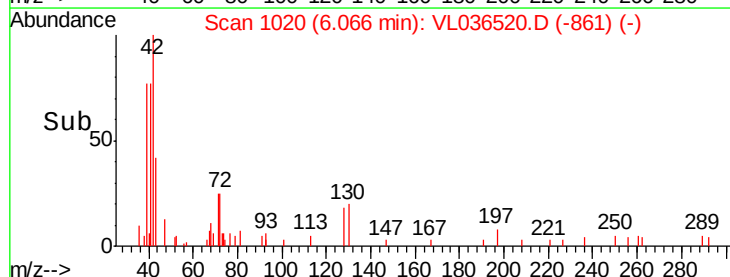
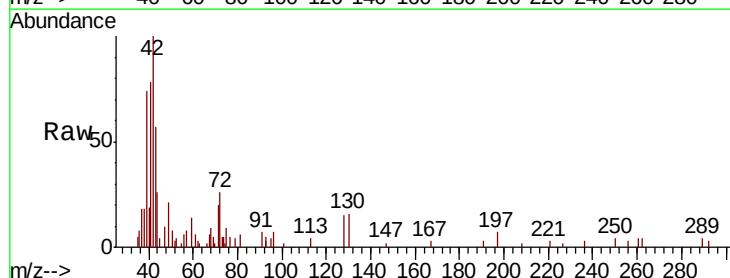
Tgt Ion: 42 Resp: 4273

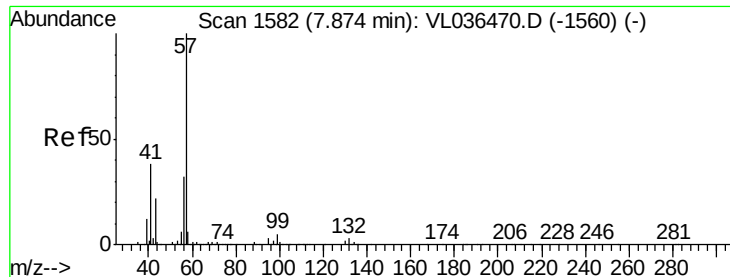
Ion Ratio Lower Upper

42 100

72 131.3 27.6 41.4#

71 128.1 27.0 40.4#

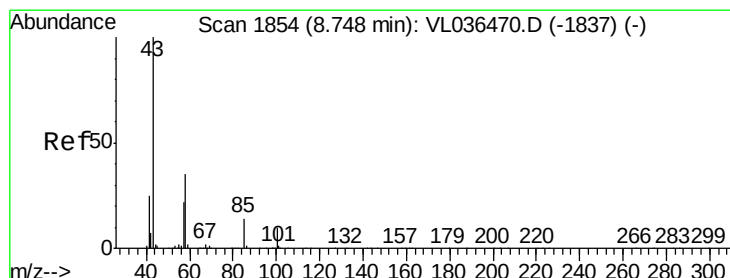
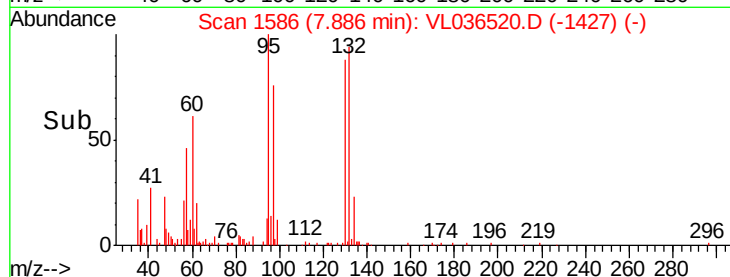
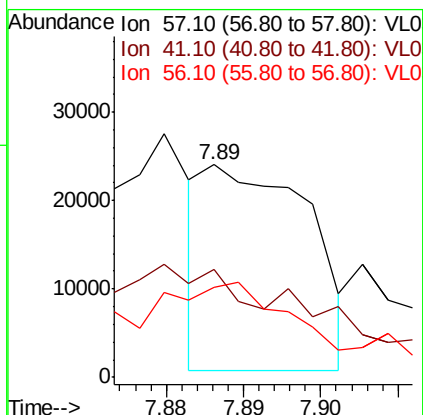
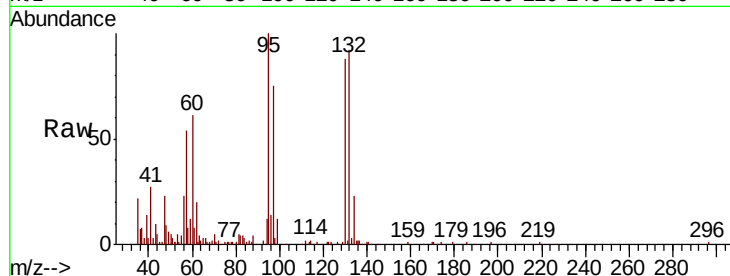




#44
 2,2,4-Trimethylpentane
 Concen: 0.042 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

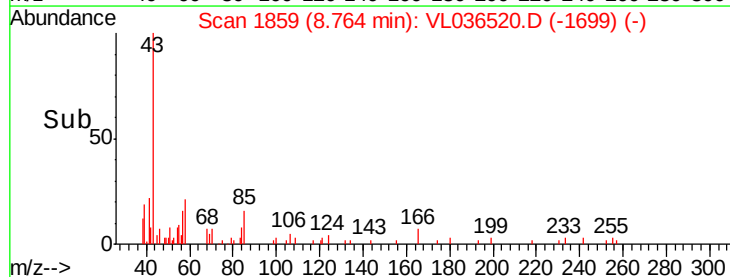
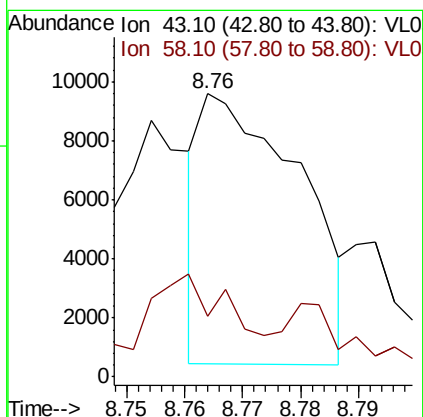
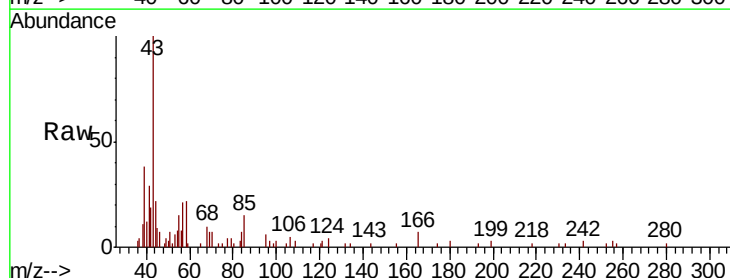
Instrument :
 MSVOA_L
 ClientSampleId :

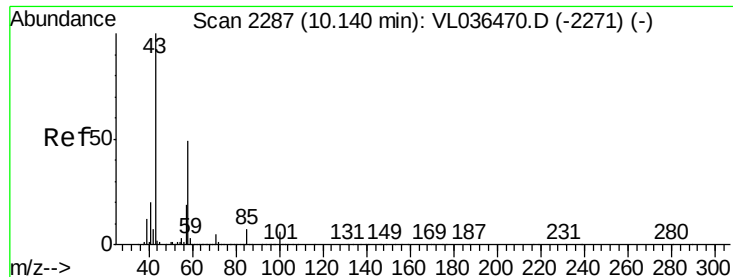
Tot Ion: 57 Resp: 21956
 Ion Ratio Lower Upper
 57 100
 41 0.0 28.8 43.2#
 56 139.8 26.1 39.1#



#50
 4-Methyl-2-Pentanone
 Concen: 0.047 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.02 min
 Lab File: VL036520.D
 Acq: 26 Mar 2021 19:12

Tgt Ion: 43 Resp: 10879
 Ion Ratio Lower Upper
 43 100
 58 60.6 28.2 42.2#

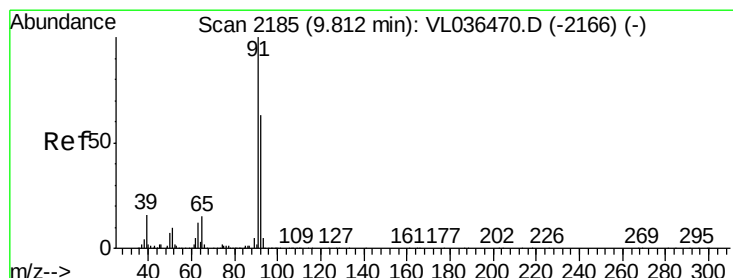
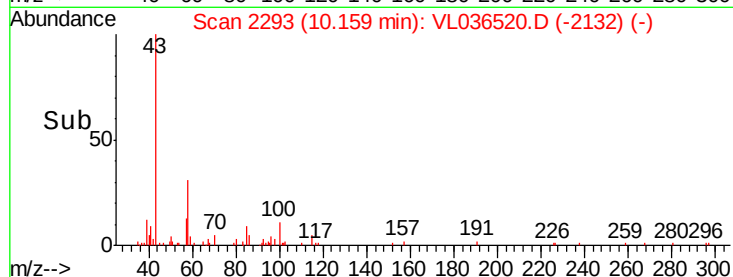
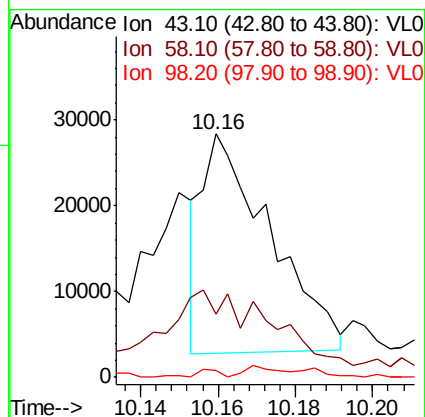
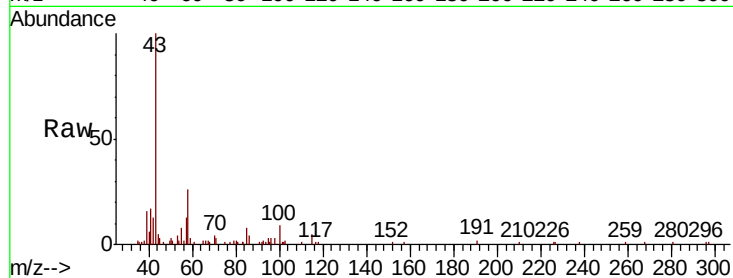




#51
2-Hexanone
Concen: 0.268 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

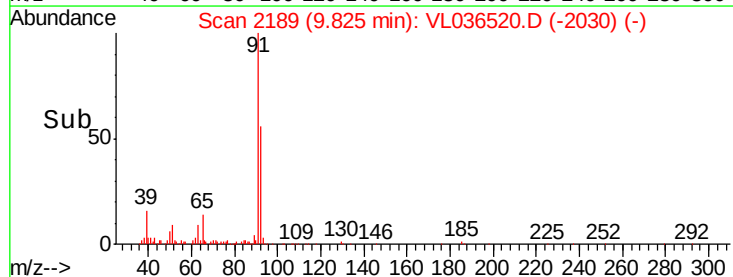
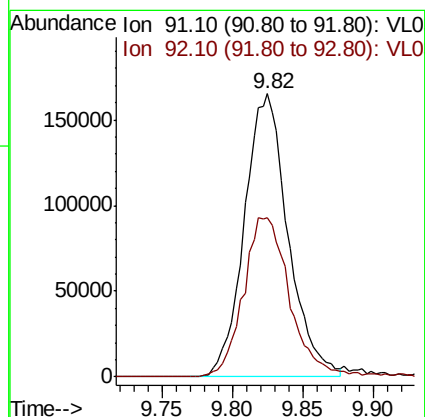
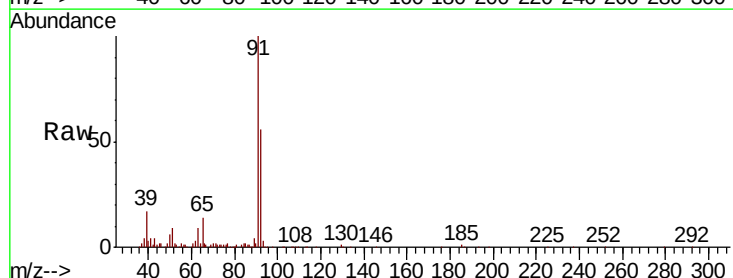
Instrument :
MSVOA_L
ClientSampleId :

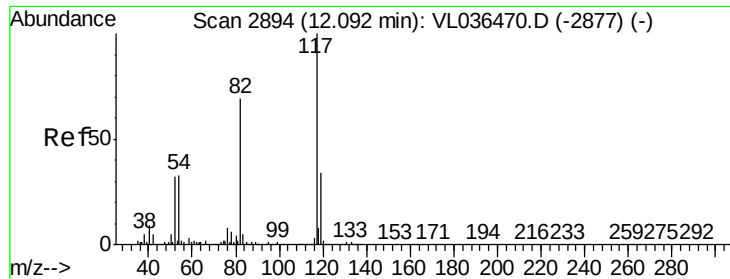
Tot Ion: 43 Resp: 31042
Ion Ratio Lower Upper
43 100
58 81.6 37.7 56.5#
98 6.7 0.2 0.2#



#53
Toluene
Concen: 1.122 ppbv
RT: 9.82 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion: 91 Resp: 357860
Ion Ratio Lower Upper
91 100
92 60.7 48.8 73.2

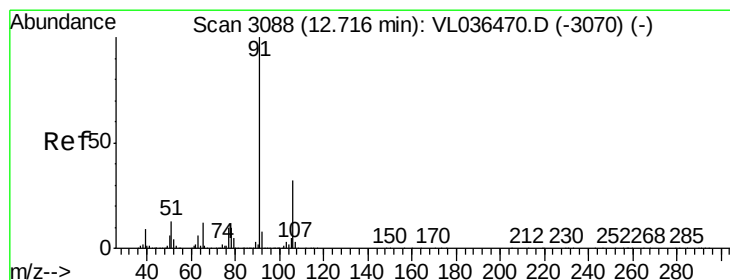
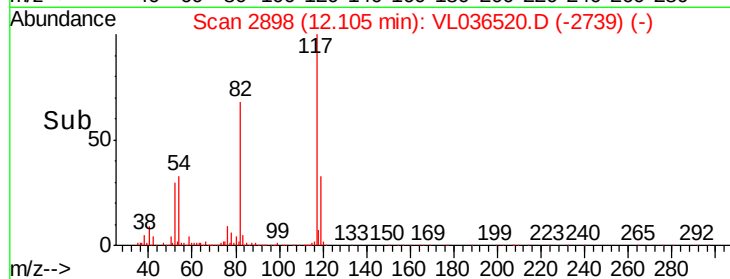
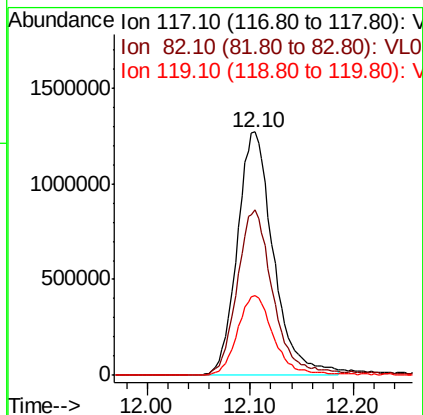
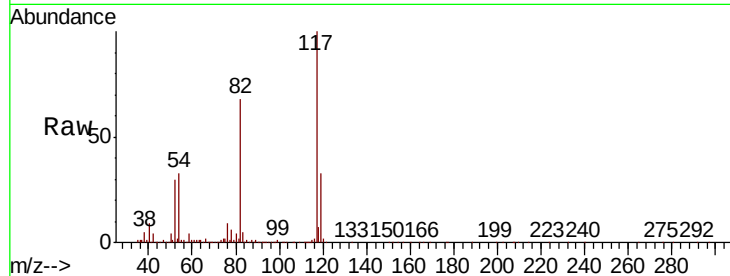




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

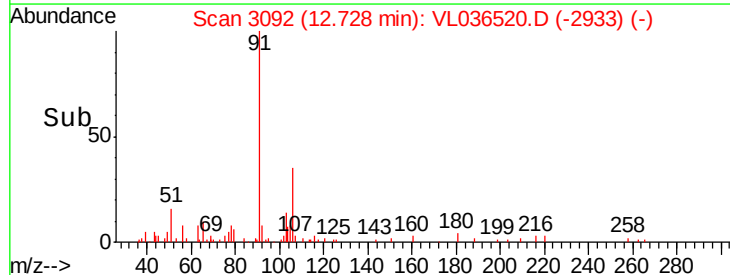
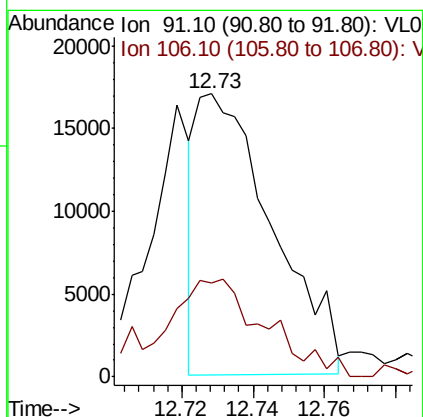
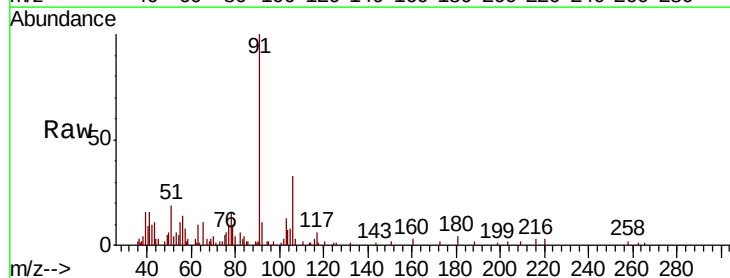
Instrument :
MSVOA_L
ClientSampleId :

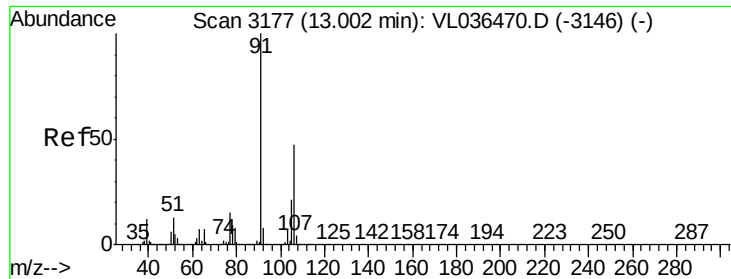
Tot Ion:117 Resp: 3100524
Ion Ratio Lower Upper
117 100
82 70.0 57.4 86.0
119 33.7 47.4 71.0#



#58
Ethyl Benzene
Concen: 0.055 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL036520.D
Acq: 26 Mar 2021 19:12

Tgt Ion: 91 Resp: 24859
Ion Ratio Lower Upper
91 100
106 28.5 25.3 37.9





#59

m/p-Xylene

Concen: 0.054 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.02 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

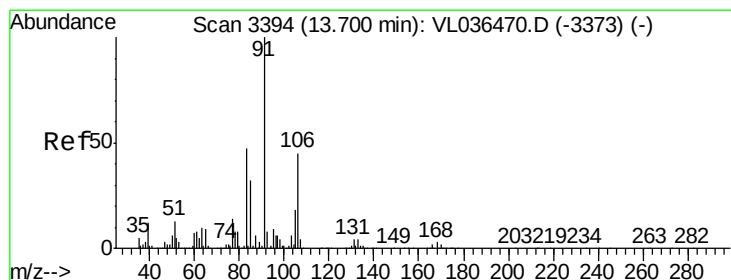
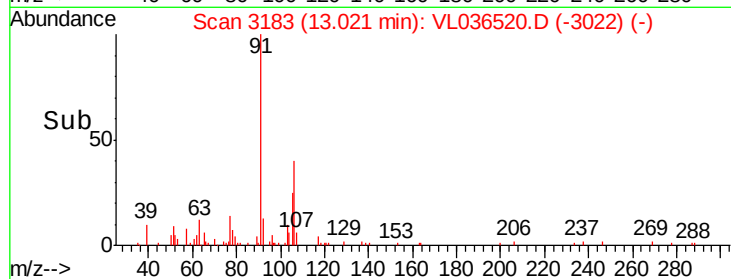
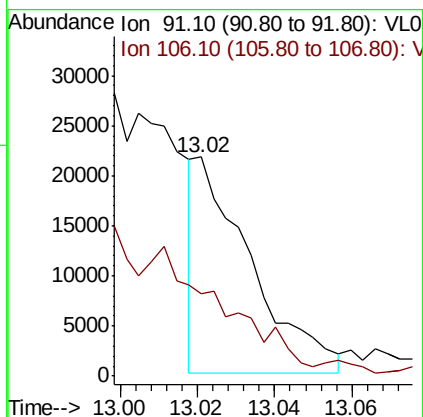
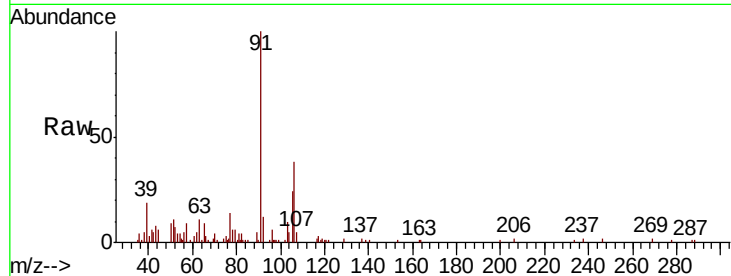
ClientSampleId :

Tot Ion: 91 Resp: 21302

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#



#60

o-Xylene

Concen: 0.076 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VL036520.D

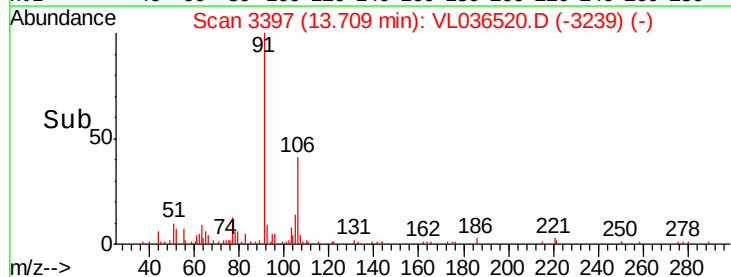
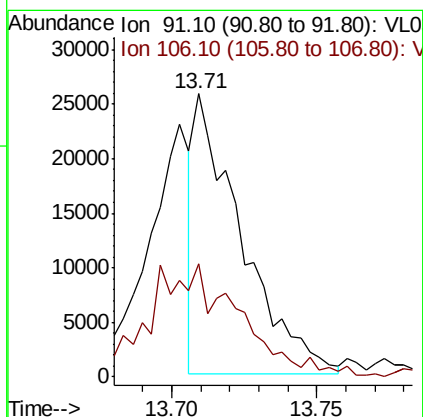
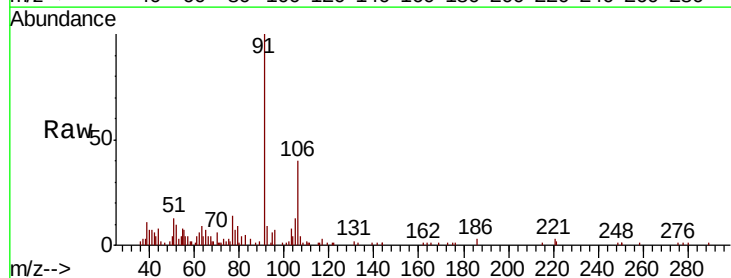
Acq: 26 Mar 2021 19:12

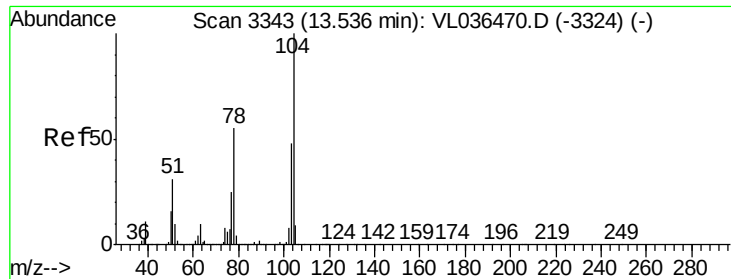
Tgt Ion: 91 Resp: 28742

Ion Ratio Lower Upper

91 100

106 80.0 22.3 66.9#





#61

Stvrene

Concen: 0.080 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.02 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

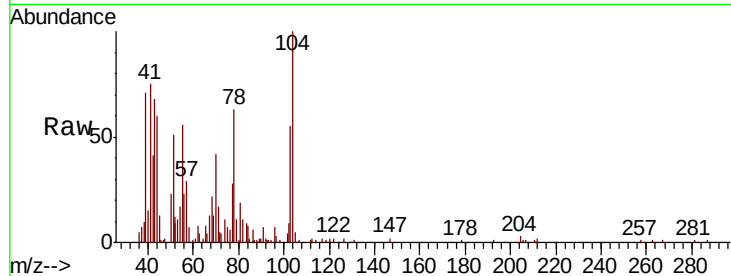
Tot Ion:104 Resp: 15387

Ion Ratio Lower Upper

104 100

78 190.3 43.8 65.8#

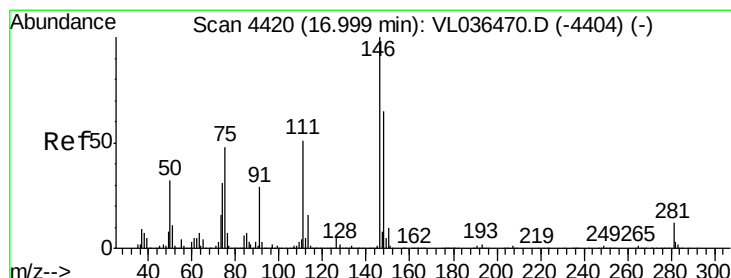
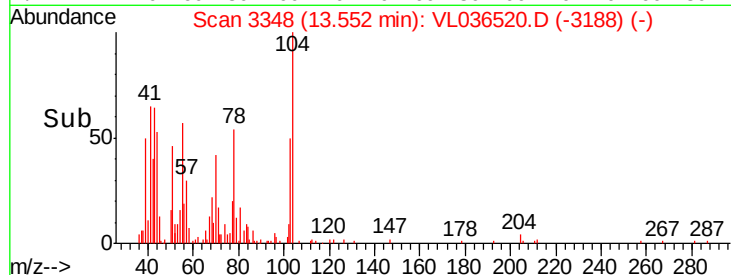
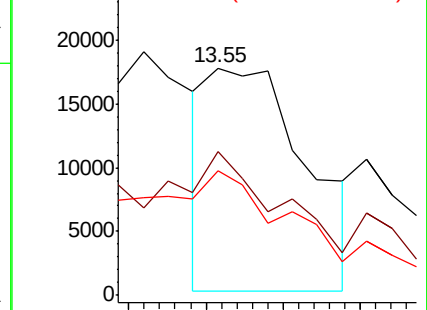
103 149.5 38.3 57.5#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#66

Benzyl Chloride

Concen: 0.026 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

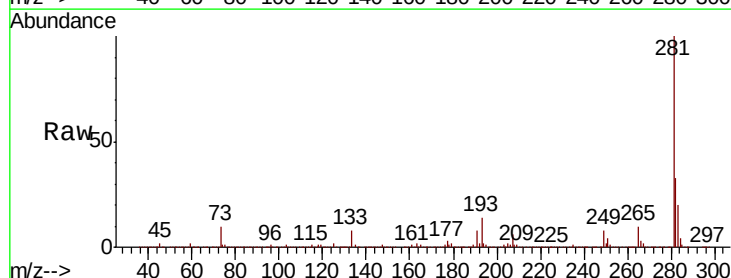
Tgt Ion: 91 Resp: 1284

Ion Ratio Lower Upper

91 100

126 0.0 13.5 20.3#

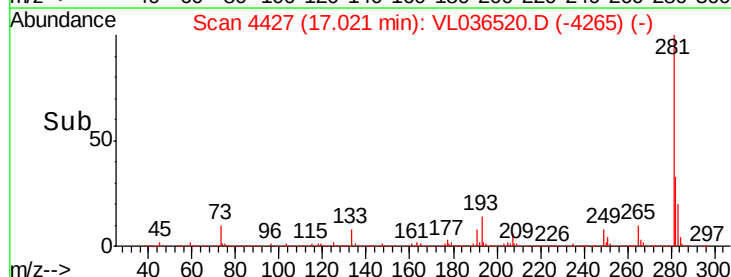
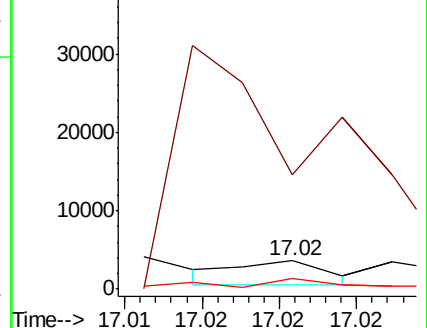
128 0.0 4.2 6.4#

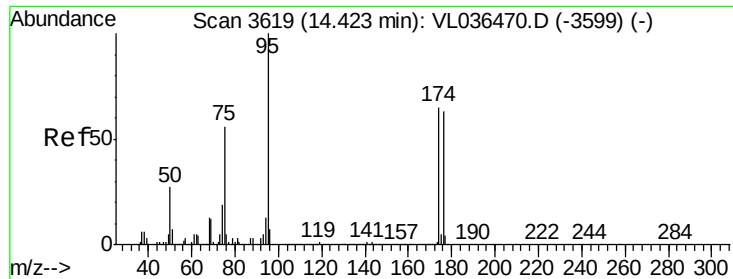


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.784 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampleId :

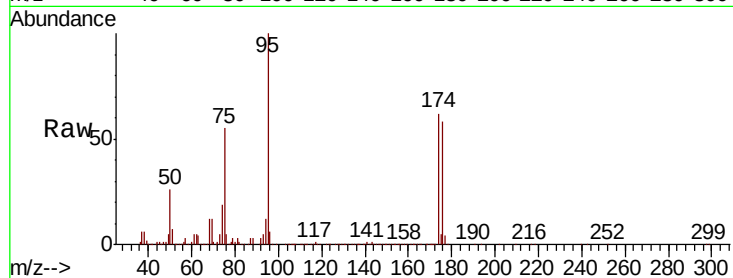
Tot Ion: 95 Resp: 2417875

Ion Ratio Lower Upper

95 100

174 64.3 51.0 76.6

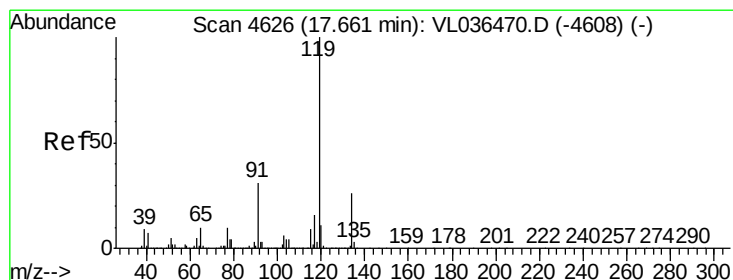
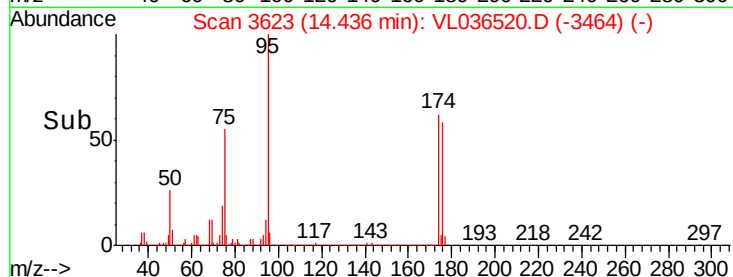
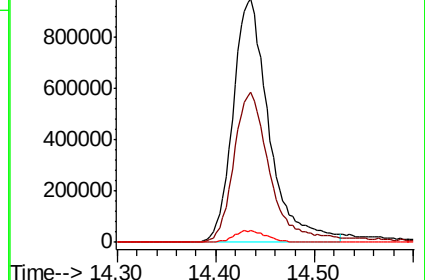
175 5.0 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL036470.D (-3599) (-)

Ion 174.00 (173.70 to 174.70): VL036470.D (-3599) (-)

Ion 175.00 (174.70 to 175.70): VL036470.D (-3599) (-)



#69

p-Isopropyltoluene

Concen: 0.025 ppbv

RT: 17.68 min Scan# 4631

Delta R.T. 0.02 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

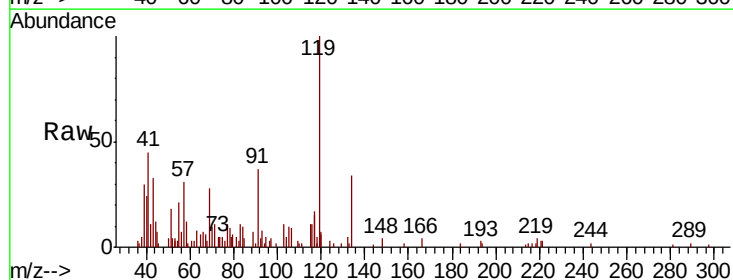
Tgt Ion: 119 Resp: 12236

Ion Ratio Lower Upper

119 100

134 74.6 20.6 30.8#

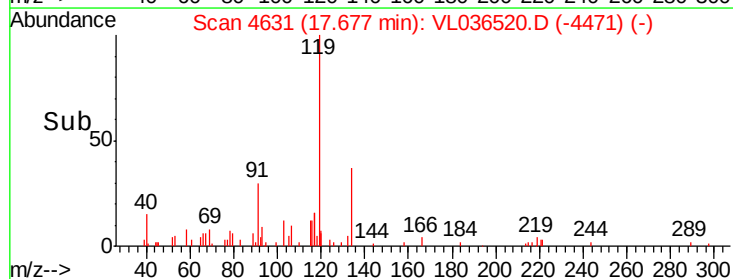
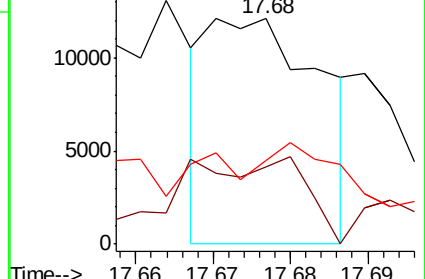
91 109.8 25.0 37.6#

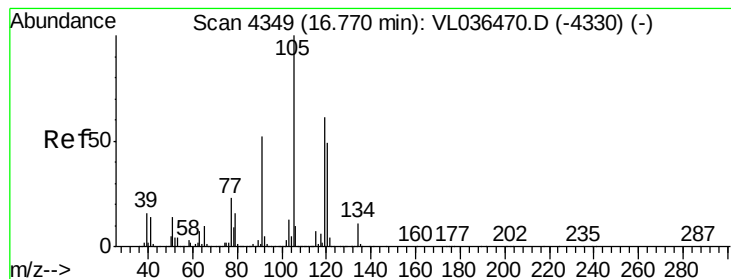


Abundance Ion 119.10 (118.80 to 119.80): VL036470.D (-4608) (-)

Ion 134.20 (133.90 to 134.90): VL036470.D (-4608) (-)

Ion 91.10 (90.80 to 91.80): VL036470.D (-4608) (-)





#74

1,2,4-Trimethylbenzene

Concen: 0.169 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.01 min

Lab File: VL036520.D

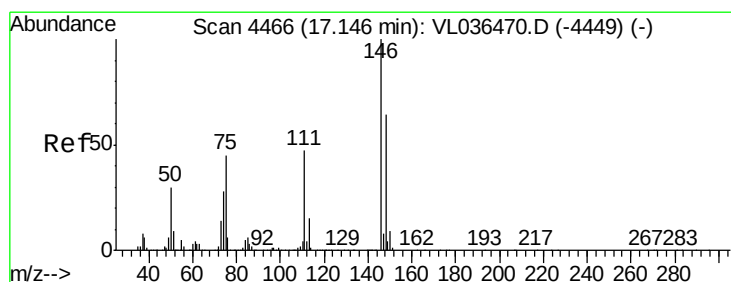
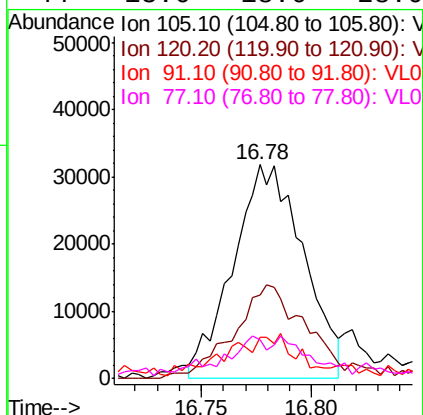
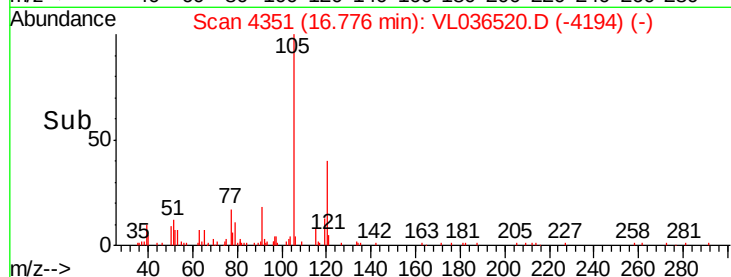
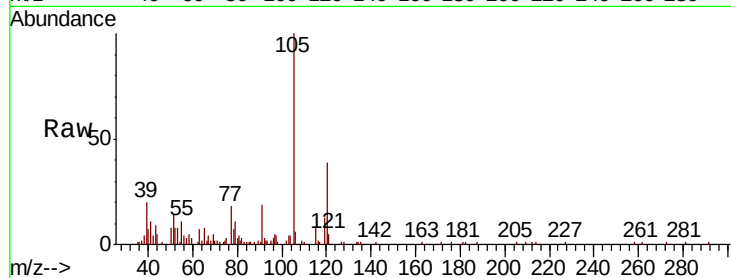
Acq: 26 Mar 2021 19:12

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:105	Resp:	70182
Ion Ratio	Lower	Upper
105	100	
120	38.9	39.2 58.8#
91	14.4	42.6 64.0#
77	13.6	18.6 28.0#



#76

1,4-Dichlorobenzene

Concen: 0.385 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.01 min

Lab File: VL036520.D

Acq: 26 Mar 2021 19:12

Tgt Ion:146	Resp:	89644
Ion Ratio	Lower	Upper
146	100	
111	59.7	24.3 72.8
148	79.5	33.0 98.9

