

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036010.D
 Acq On : 25 Nov 2020 1:40
 Operator : SY/AP
 Sample : L4883-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 25 07:18:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1202287	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4187720	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3923115	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3084243	11.07	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	52647	0.233	ppbv 96
3) Chlorodifluoromethane	2.94	51	285503	1.983	ppbv # 63
4) Chloromethane	3.12	50	43841	0.627	ppbv 98
9) Propene	3.00	41	52136	0.989	ppbv 86
10) Heptane	8.09	43	14851	0.102	ppbv # 79
11) Trichlorofluoromethane	3.92	101	80356	0.283	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.45	101	14639	0.069	ppbv 95
13) Ethanol	3.61	45	12082125	1056.828	ppbv 100
15) Acetone	3.82	43	3161322	24.595	ppbv 98
16) 1,3-Butadiene	3.29	39	7467	0.135	ppbv # 70
17) tert-Butyl alcohol	4.30	59	77408	0.454	ppbv # 72
19) Isopropyl Alcohol	3.98	45	11781347	149.152	ppbv # 95
20) Methylene Chloride	4.32	84	720242	7.960	ppbv 96
21) Allyl Chloride	4.31	41	21585	0.311	ppbv # 33
23) Vinyl Acetate	5.04	43	16057	0.089	ppbv # 1
25) Ethyl Acetate	5.65	43	341807	1.350	ppbv # 91
26) Hexane	5.66	57	293891	2.105	ppbv # 69
29) Chloroform	5.73	83	9904	0.036	ppbv 87
30) Cyclohexane	7.10	84	5631	0.037	ppbv # 6
31) cis-1,2-Dichloroethene	5.64	61	25676	0.179	ppbv # 20
34) 2-Butanone	5.22	43	169986	1.251	ppbv 97
35) Carbon Tetrachloride	6.99	117	14216	0.064	ppbv 89
36) Benzene	6.86	78	84069	0.270	ppbv 95
37) 1,2-Dichloroethane	6.28	62	10181	0.072	ppbv 97
39) 1,2-Dichloropropane	7.14	63	869416	8.295	ppbv # 30
44) 2,2,4-Trimethylpentane	7.84	57	30023	0.073	ppbv # 59
50) 4-Methyl-2-Pentanone	8.73	43	8494	0.041	ppbv 88
53) Toluene	9.78	91	594328	1.582	ppbv 97
58) Ethyl Benzene	12.68	91	46085	0.096	ppbv 92
59) m/p-Xylene	12.94	91	120238	0.297	ppbv 99
60) o-Xylene	13.67	91	63179	0.161	ppbv 97
61) Styrene	13.50	104	27895	0.097	ppbv # 30
64) n-propylbenzene	15.53	120	10580	0.059	ppbv # 1
65) tert-Butylbenzene	16.73	119	90092	0.160	ppbv # 53
66) Benzyl Chloride	16.74	91	60257	0.324	ppbv # 68
69) p-Isopropyltoluene	17.63	119	88071	0.141	ppbv 96
71) 2-Chlorotoluene	15.54	91	97950	0.217	ppbv # 40
72) 4-Ethyltoluene	15.81	105	163493	0.343	ppbv 97
73) 1,3,5-Trimethylbenzene	15.97	105	164282	0.376	ppbv 90
74) 1,2,4-Trimethylbenzene	16.73	105	759349	1.624	ppbv # 69
76) 1,4-Dichlorobenzene	17.11	146	8879	0.031	ppbv # 1

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

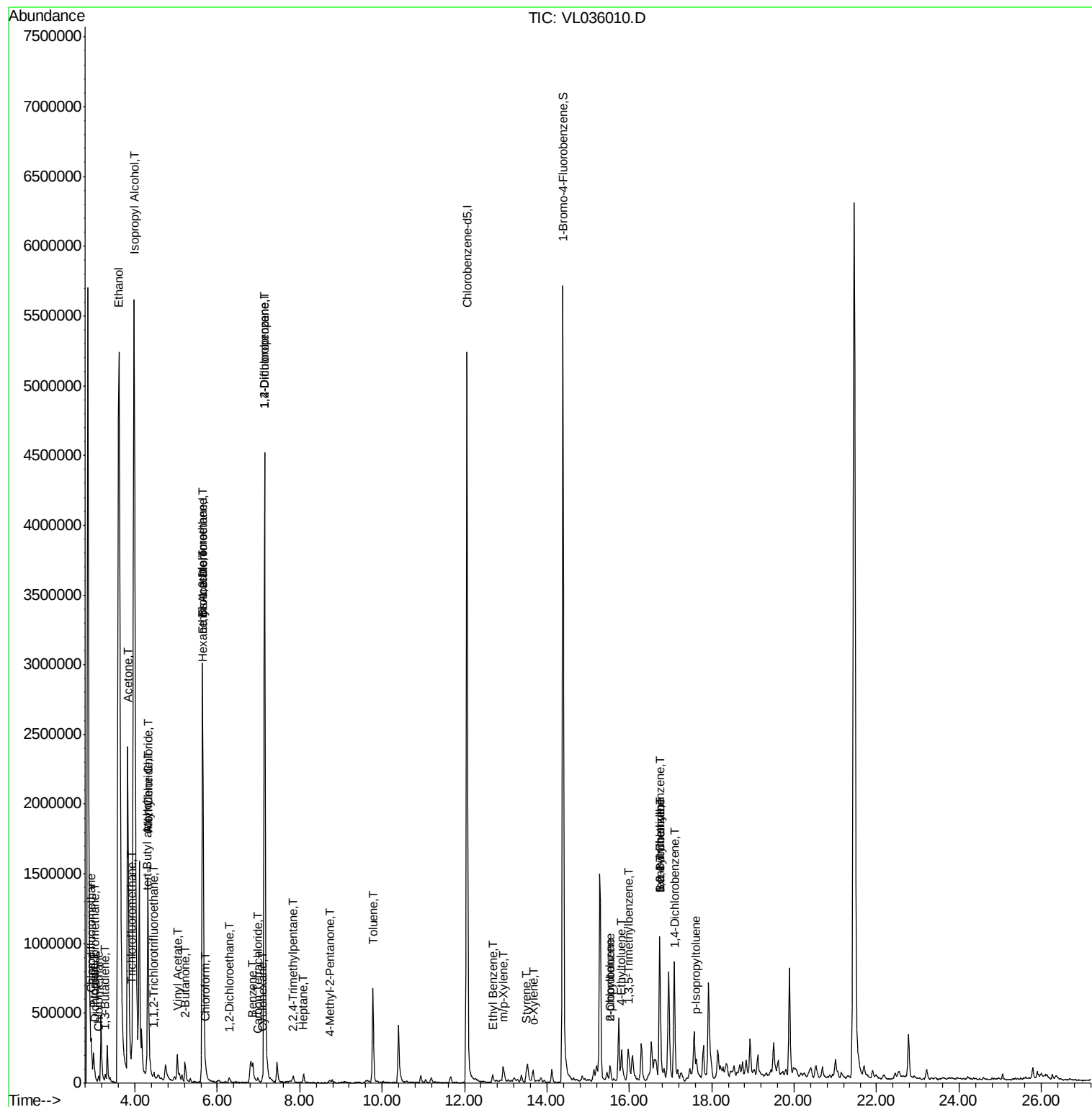
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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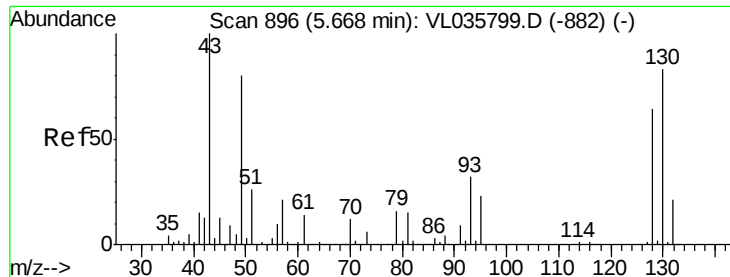
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

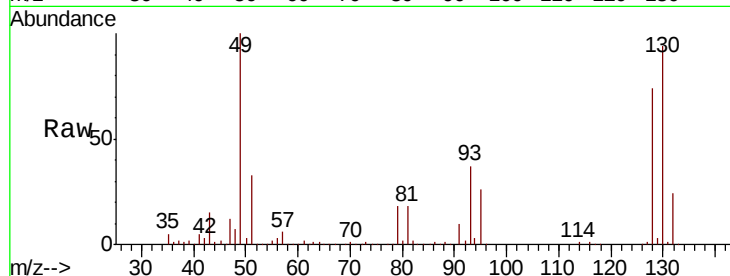
Tot Ion: 49 Resp: 1202287

Ion Ratio Lower Upper

49 100

128 76.0 41.5 124.6

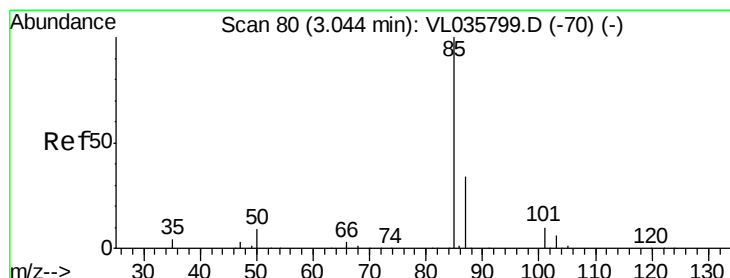
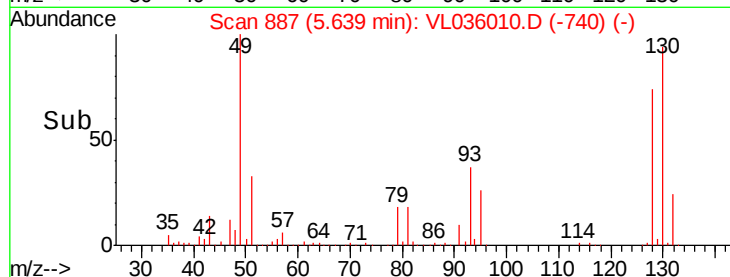
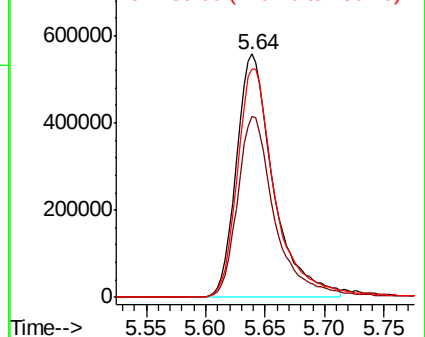
130 97.4 53.7 161.1



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: 0.233 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL036010.D

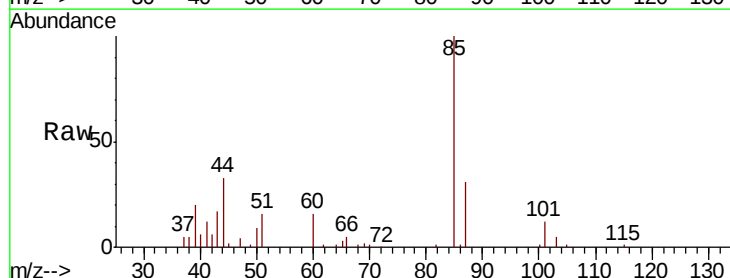
Acq: 25 Nov 2020 1:40

Tgt Ion: 85 Resp: 52647

Ion Ratio Lower Upper

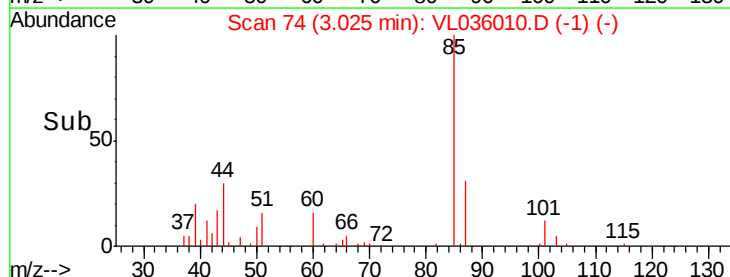
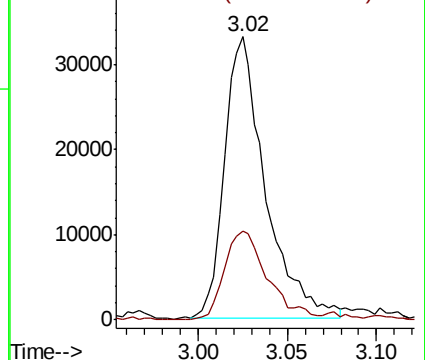
85 100

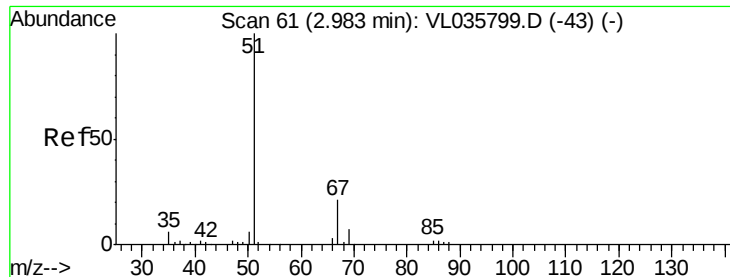
87 31.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.983 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.04 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

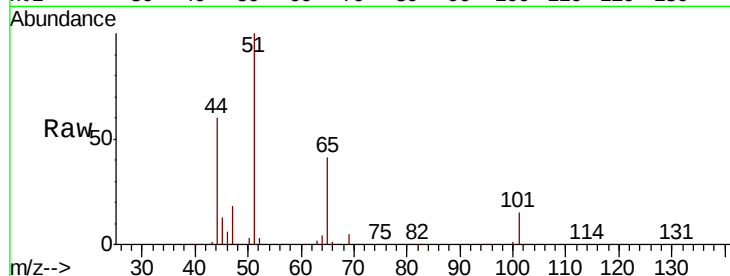
ClientSampleId :

Tot Ion: 51 Resp: 285503

Ion Ratio Lower Upper

51 100

67 3.7 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

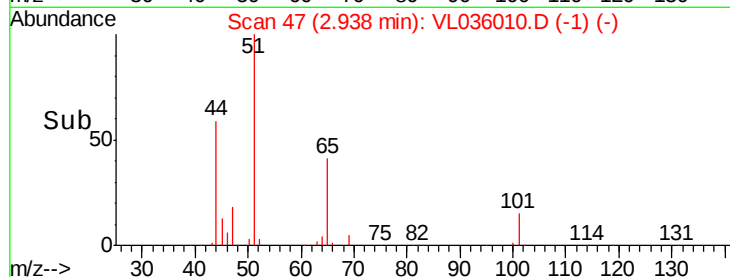
1500000

1000000

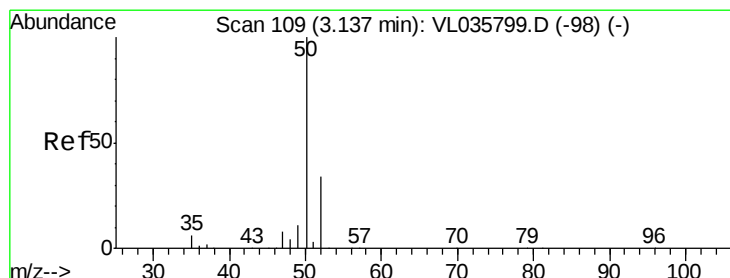
500000

0

Time-->



Time-->



#4

Chloromethane

Concen: 0.627 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL036010.D

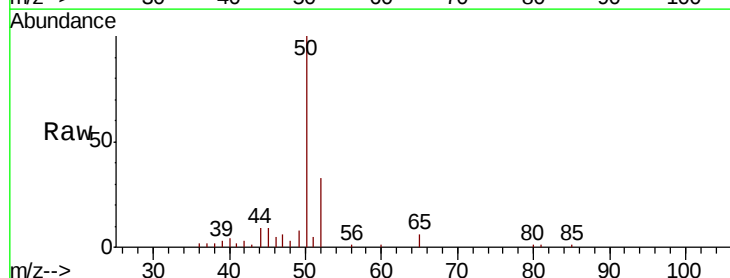
Acq: 25 Nov 2020 1:40

Tgt Ion: 50 Resp: 43841

Ion Ratio Lower Upper

50 100

52 32.6 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

30000

25000

20000

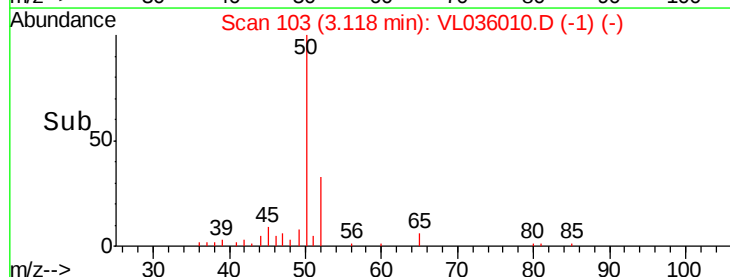
15000

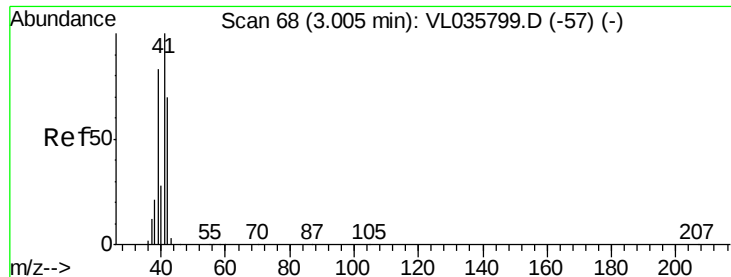
10000

5000

0

Time-->





#9

Propene

Concen: 0.989 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

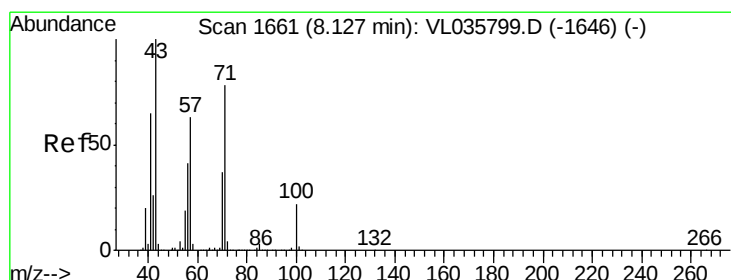
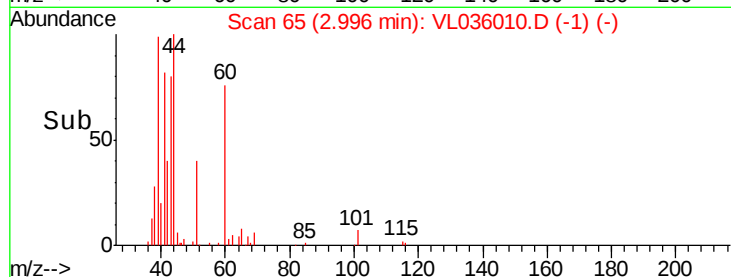
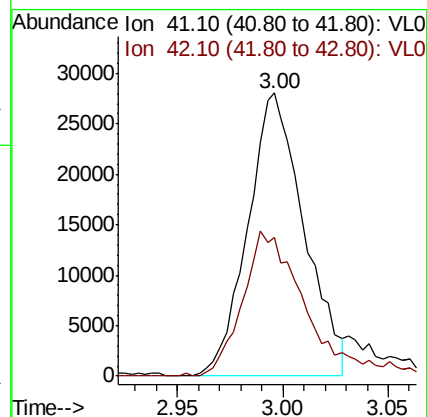
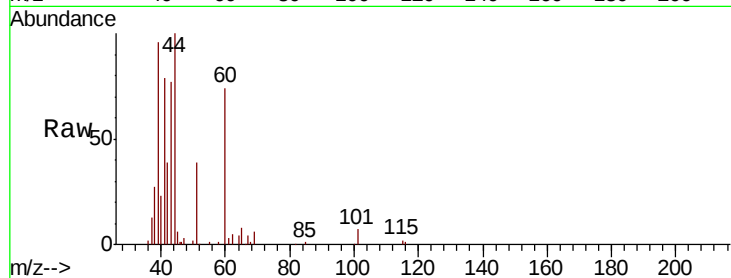
ClientSampleId :

Tot Ion: 41 Resp: 52136

Ion Ratio Lower Upper

41 100

42 58.4 56.2 84.4



#10

Heptane

Concen: 0.102 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL036010.D

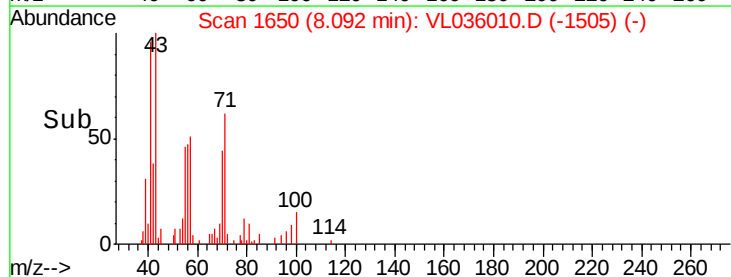
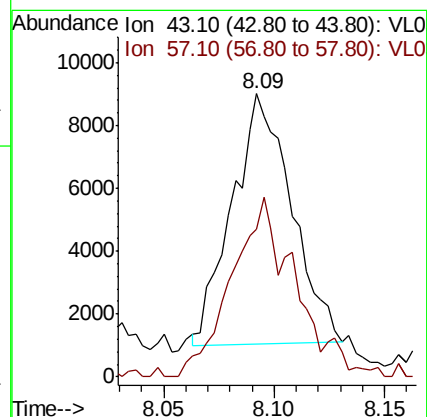
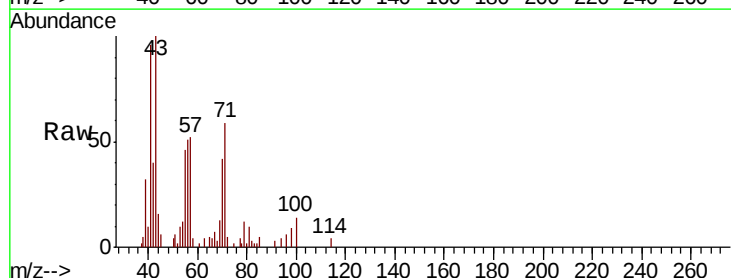
Acq: 25 Nov 2020 1:40

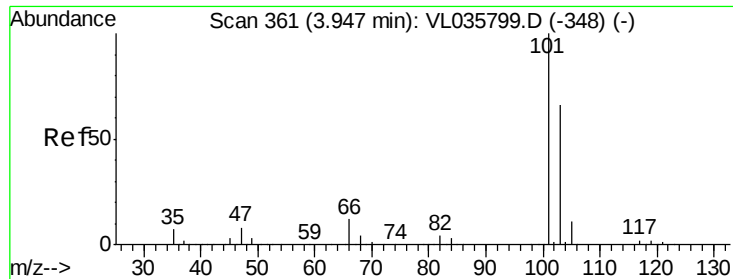
Tgt Ion: 43 Resp: 14851

Ion Ratio Lower Upper

43 100

57 78.4 50.0 75.0#

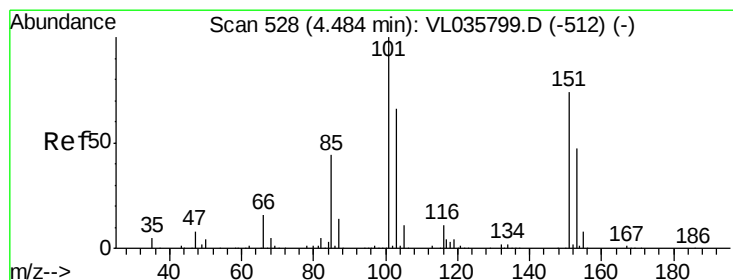
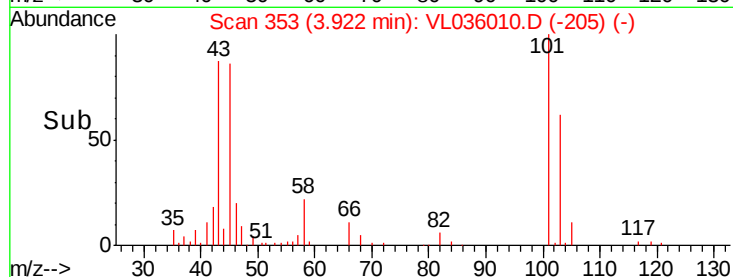
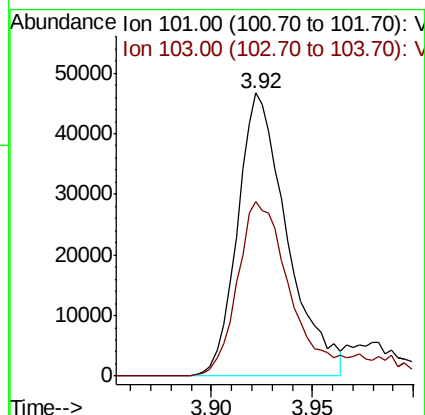
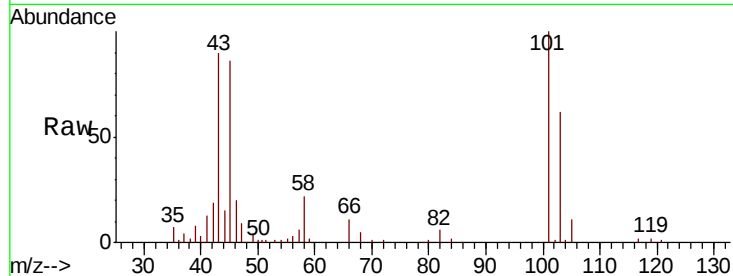




#11
 Trichlorofluoromethane
 Concen: 0.283 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

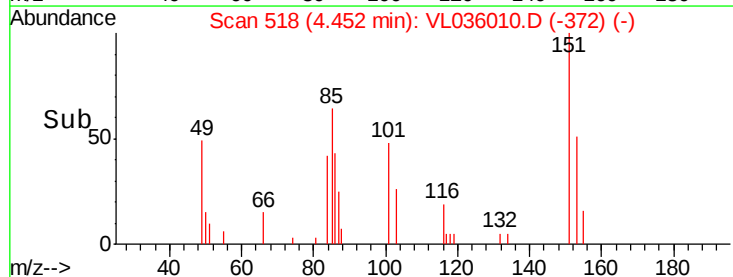
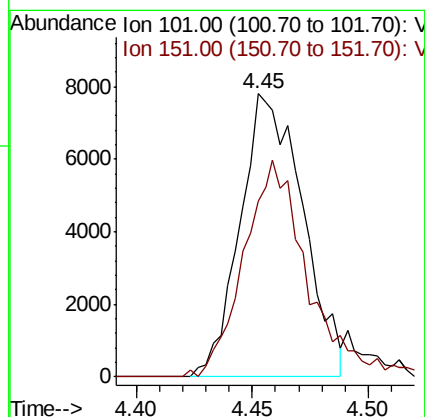
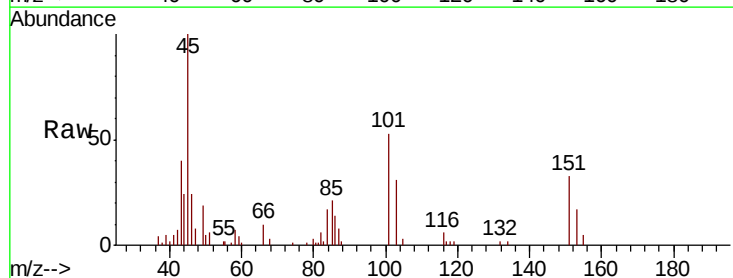
Instrument :
 MSVOA_L
 ClientSampleId :

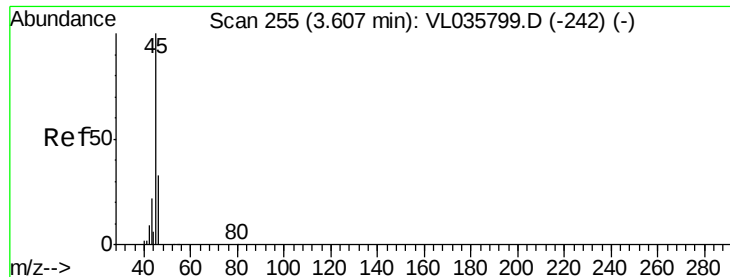
Tot Ion:101 Resp: 80356
 Ion Ratio Lower Upper
 101 100
 103 61.7 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.069 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.03 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

Tgt Ion:101 Resp: 14639
 Ion Ratio Lower Upper
 101 100
 151 77.8 58.9 88.3

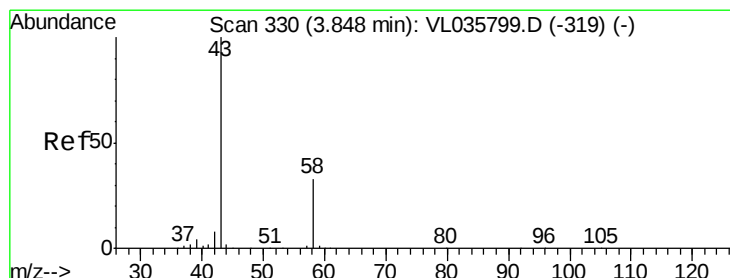
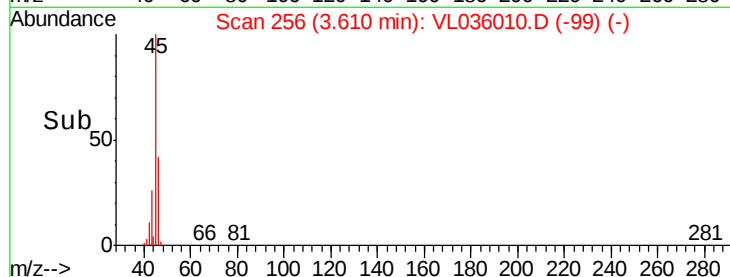
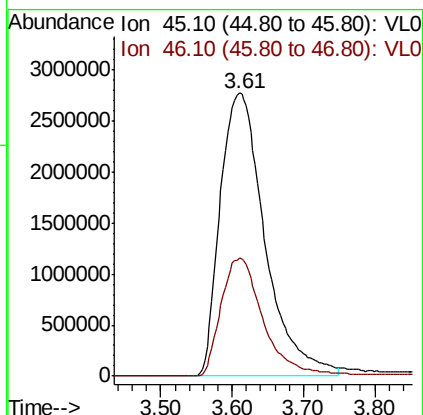
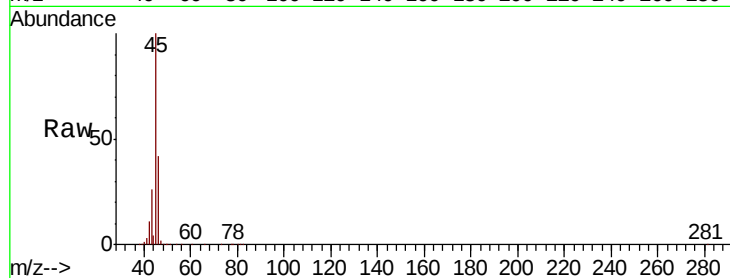




#13
Ethanol
Concen: 1056.828 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

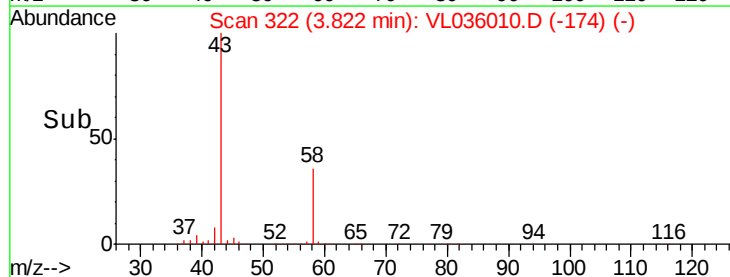
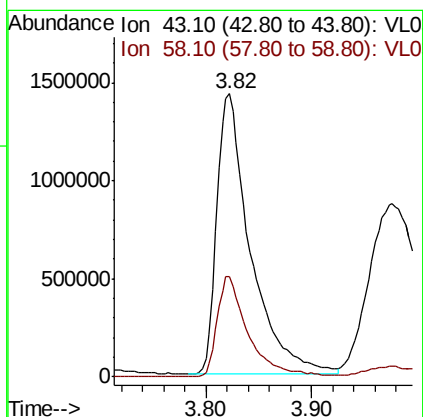
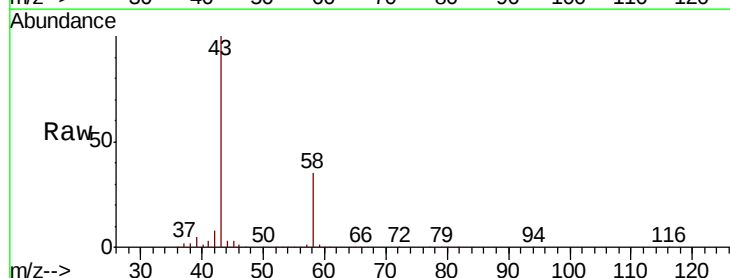
Instrument :
MSVOA_L
ClientSampled :

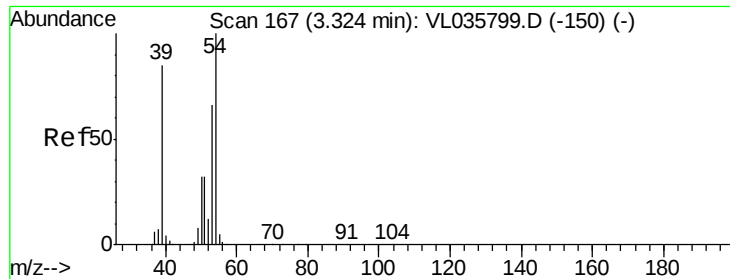
Tot Ion: 45 Resp:12082125
Ion Ratio Lower Upper
45 100
46 40.2 16.1 64.5



#15
Acetone
Concen: 24.595 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

Tgt Ion: 43 Resp: 3161322
Ion Ratio Lower Upper
43 100
58 33.3 27.5 41.3





#16

1,3-Butadiene

Concen: 0.135 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.04 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

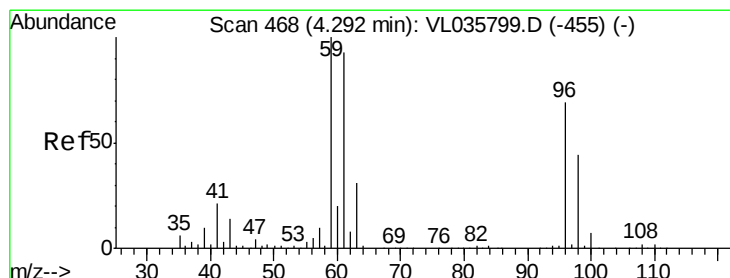
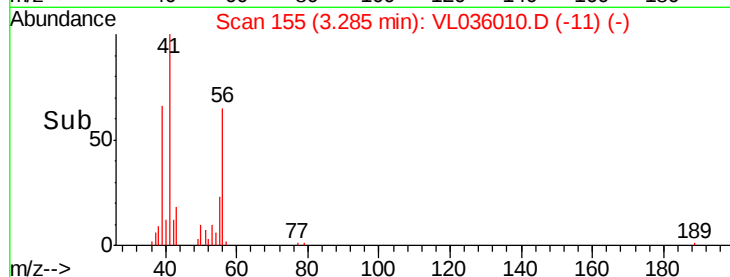
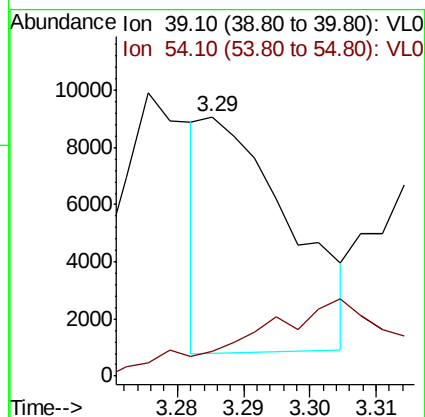
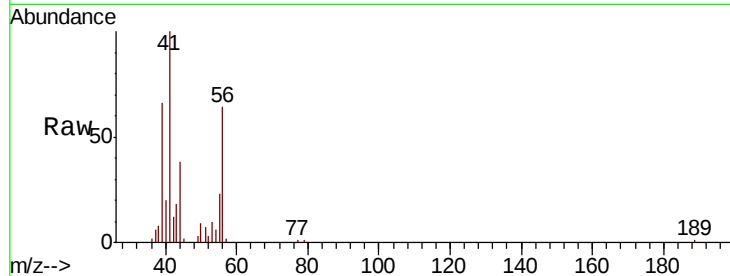
ClientSampled :

Tot Ion: 39 Resp: 7467

Ion Ratio Lower Upper

39 100

54 77.5 87.1 130.7#



#17

tert-Butyl alcohol

Concen: 0.454 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL036010.D

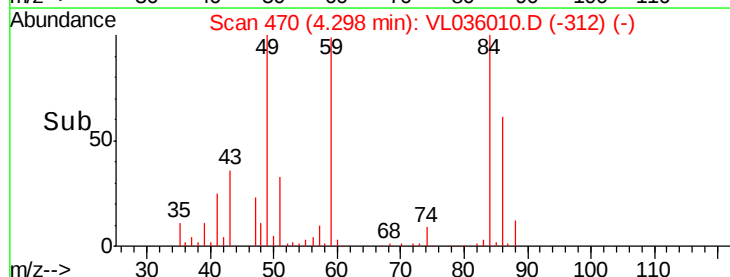
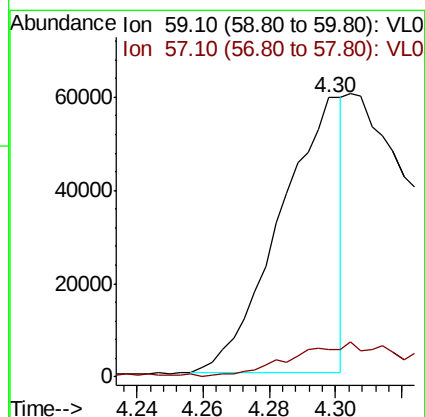
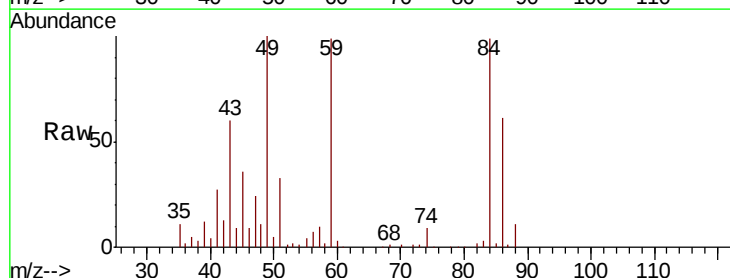
Acq: 25 Nov 2020 1:40

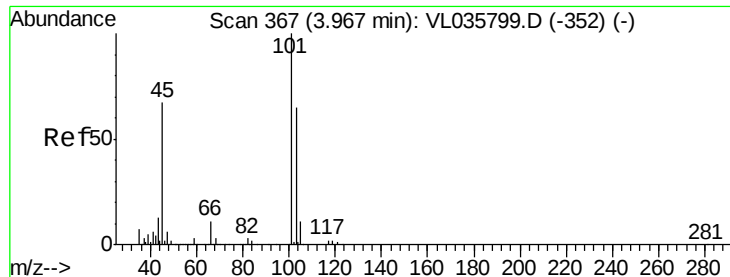
Tgt Ion: 59 Resp: 77408

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 149.152 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

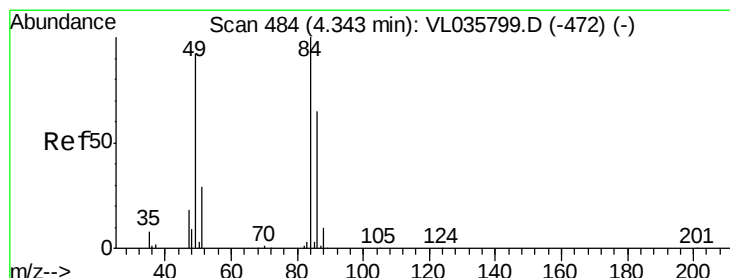
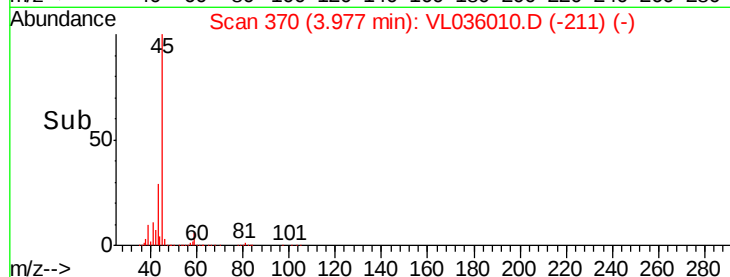
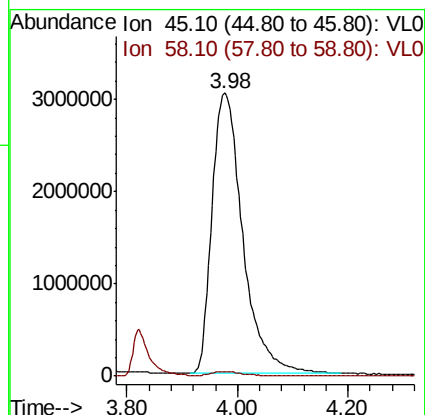
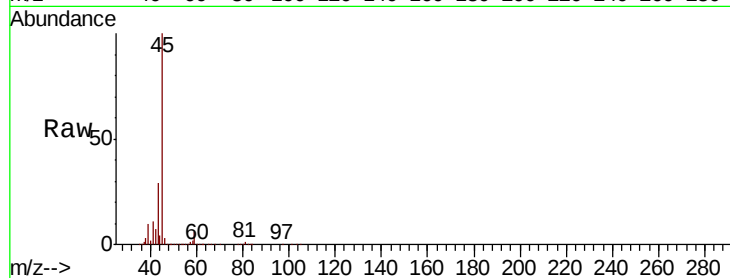
ClientSampleId :

Tot Ion: 45 Resp:11781347

Ion Ratio Lower Upper

45 100

58 1.6 2.6 3.8#



#20

Methylene Chloride

Concen: 7.960 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Tgt Ion: 84 Resp: 720242

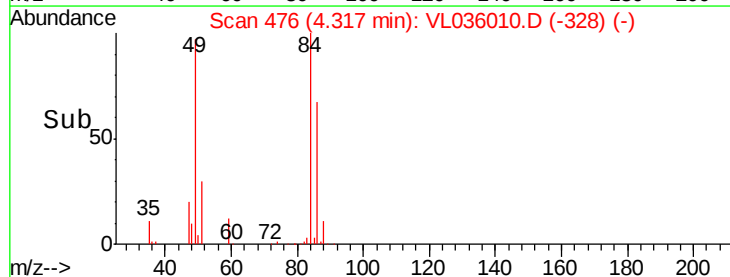
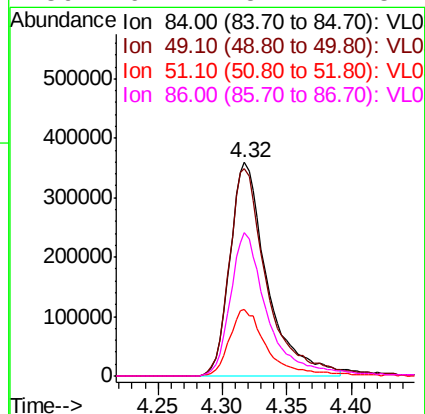
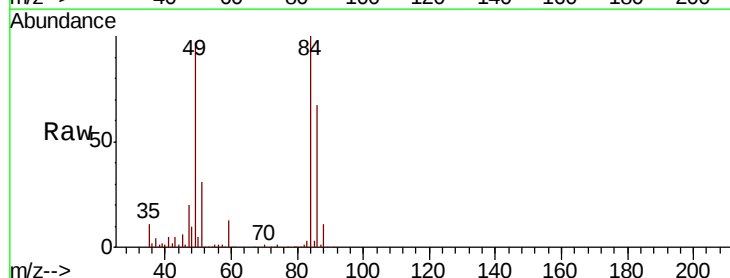
Ion Ratio Lower Upper

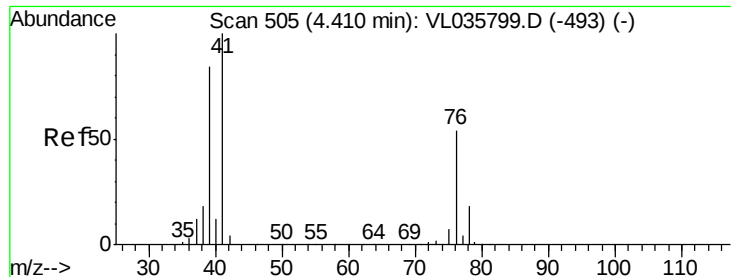
84 100

49 97.0 73.8 110.8

51 31.1 23.0 34.4

86 67.2 52.1 78.1





#21

Allvl Chloride

Concen: 0.311 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.10 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :
MSVOA_L
ClientSampleId :

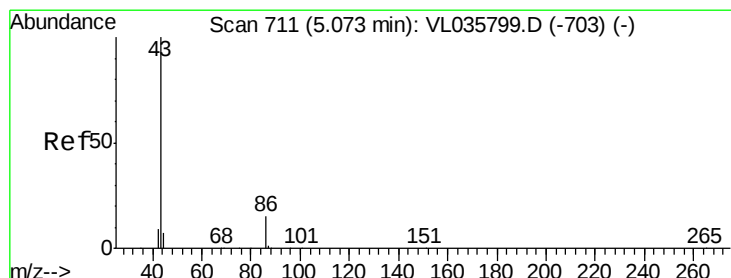
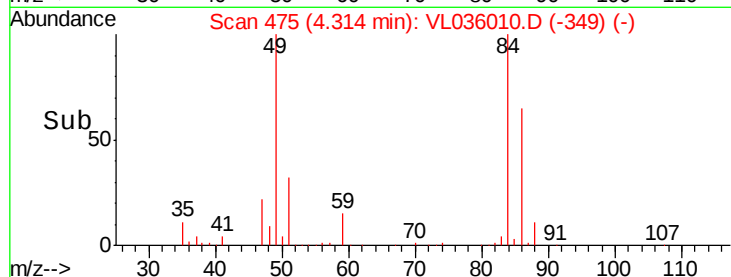
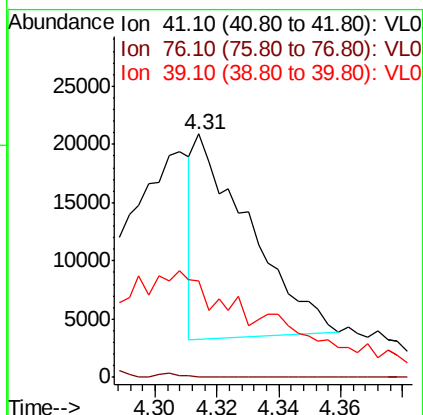
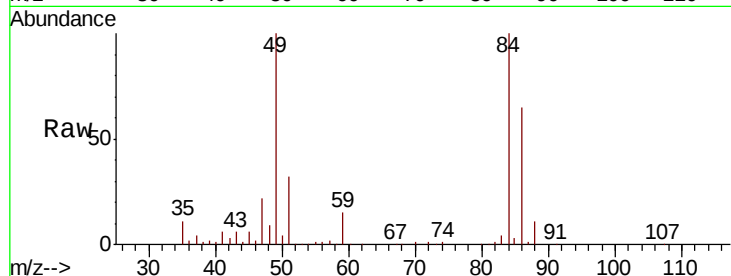
Tot Ion: 41 Resp: 21585

Ion Ratio Lower Upper

41 100

76 34.1 42.6 63.8#

39 0.0 67.0 100.4#



#23

Vinyl Acetate

Concen: 0.089 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.03 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Tgt Ion: 43 Resp: 16057

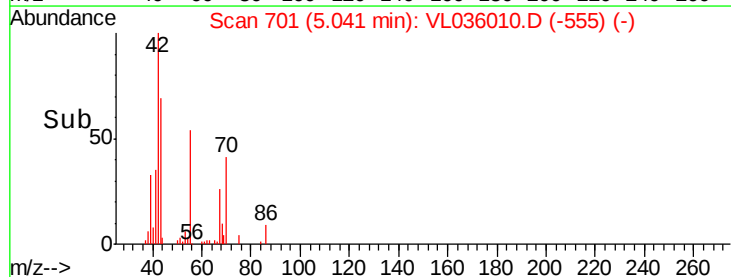
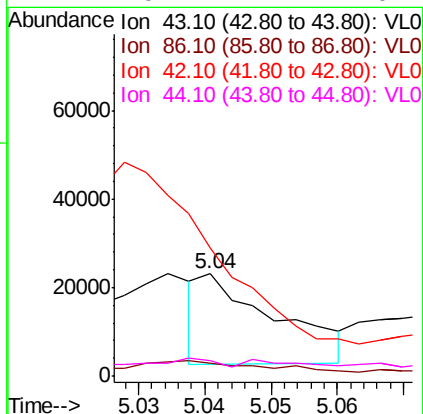
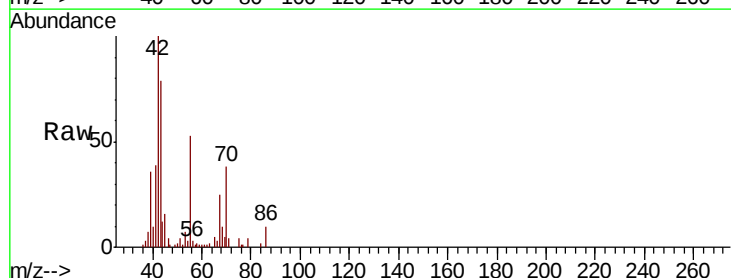
Ion Ratio Lower Upper

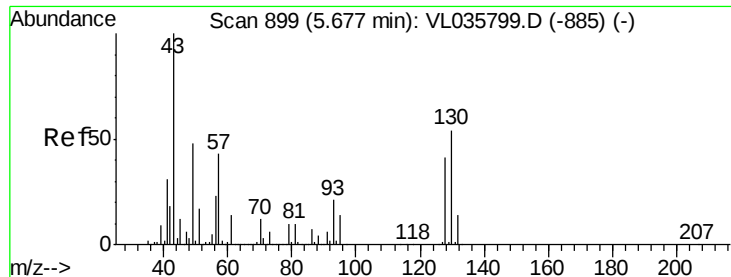
43 100

86 13.3 9.8 14.6

42 158.7 8.1 12.1#

44 9.1 4.2 6.4#





#25

Ethyl Acetate

Concen: 1.350 ppbv

RT: 5.65 min Scan# 892

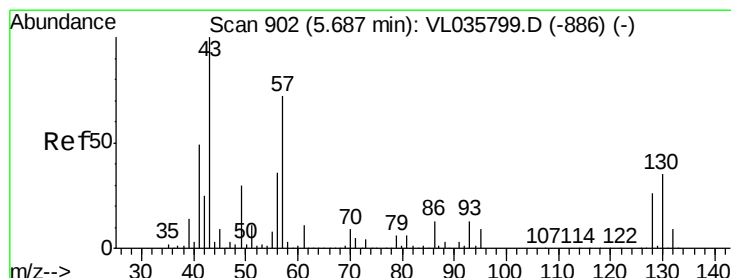
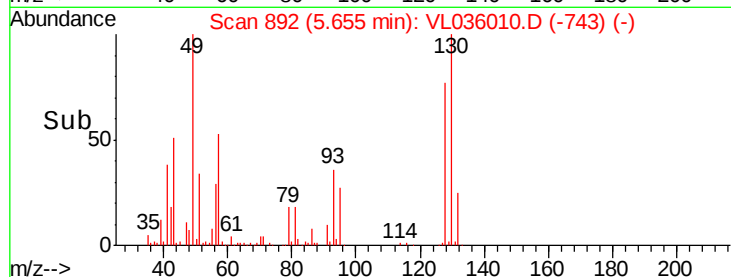
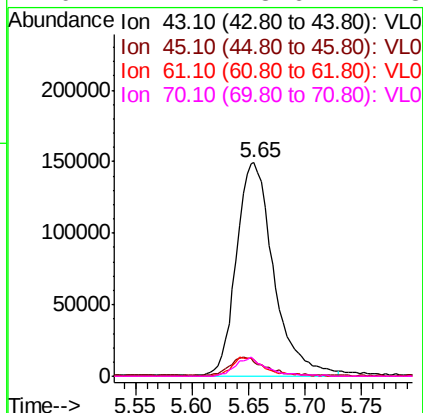
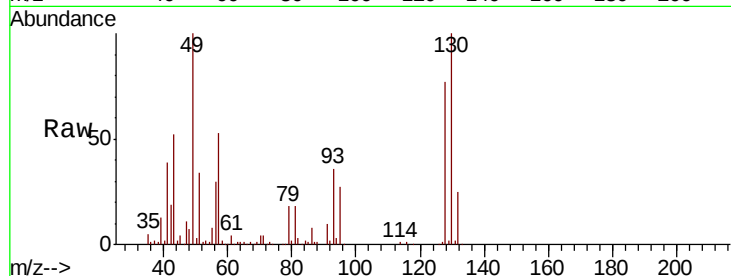
Delta R.T. -0.02 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	341807
Ion	Ratio	Lower	Upper
43	100		
45	8.7	8.5	12.7
61	8.0	10.7	16.1#
70	7.7	8.6	12.8#



#26

Hexane

Concen: 2.105 ppbv

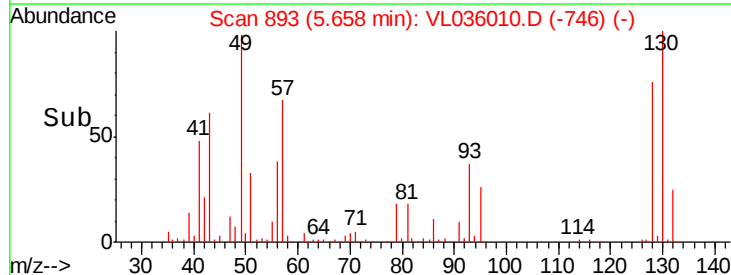
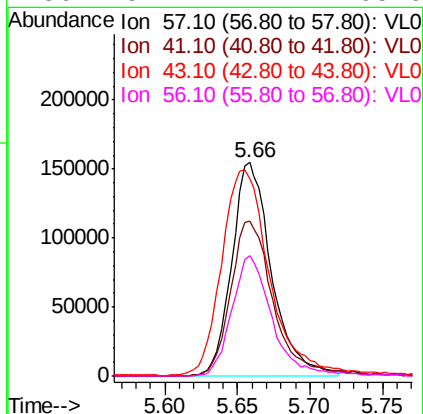
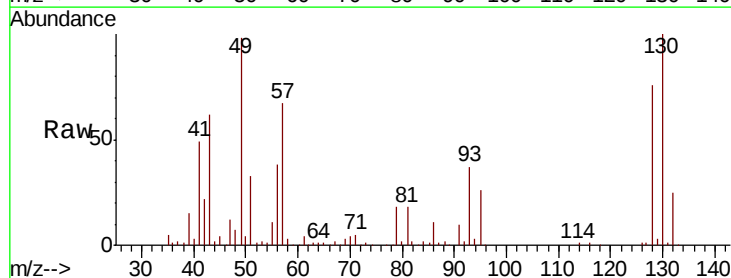
RT: 5.66 min Scan# 893

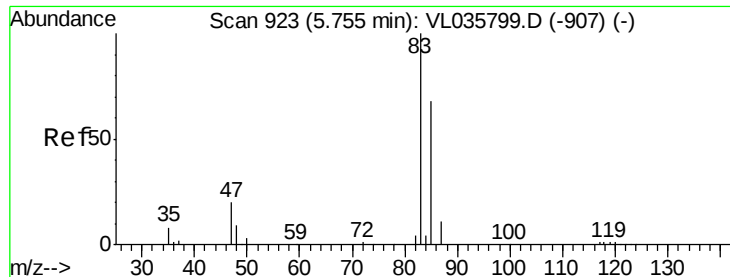
Delta R.T. -0.03 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Tgt Ion:	57	Resp:	293891
Ion	Ratio	Lower	Upper
57	100		
41	79.1	58.9	88.3
43	117.4	150.2	225.2#
56	57.4	42.4	63.6

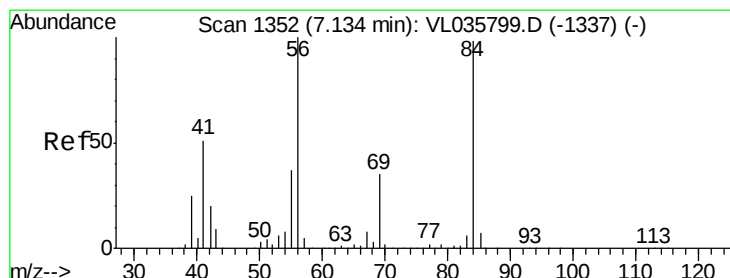
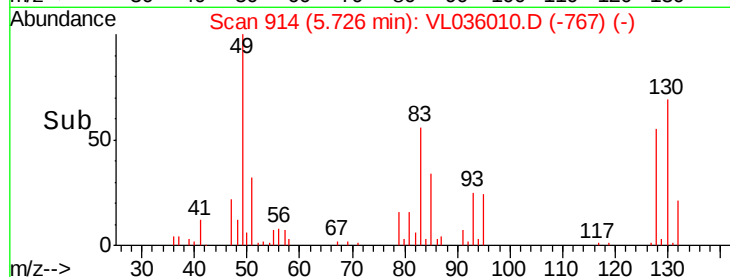
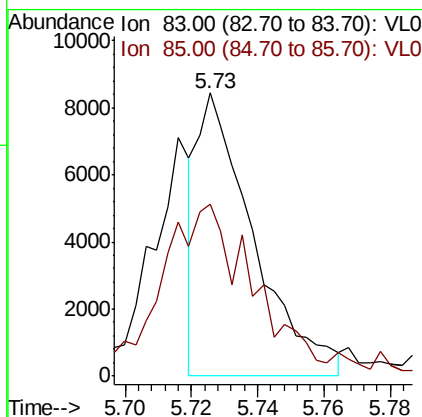
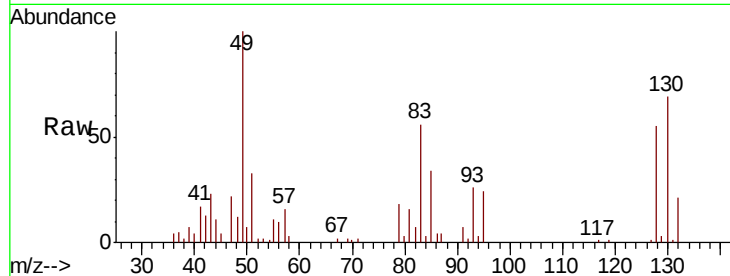




#29
Chloroform
Concen: 0.036 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

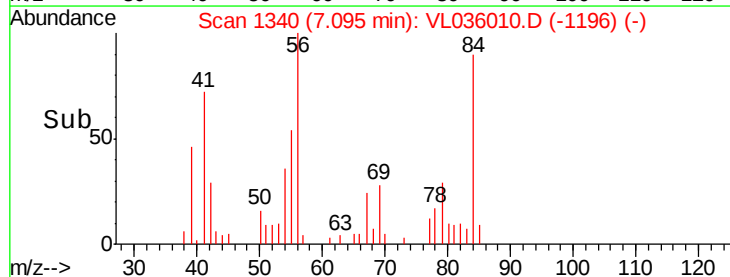
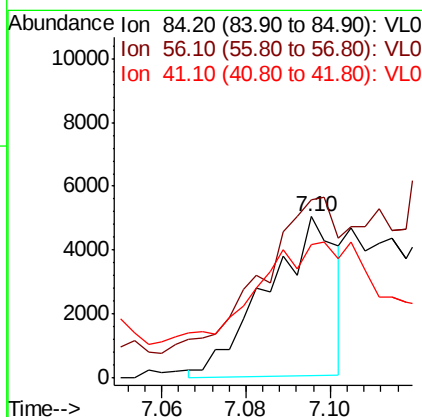
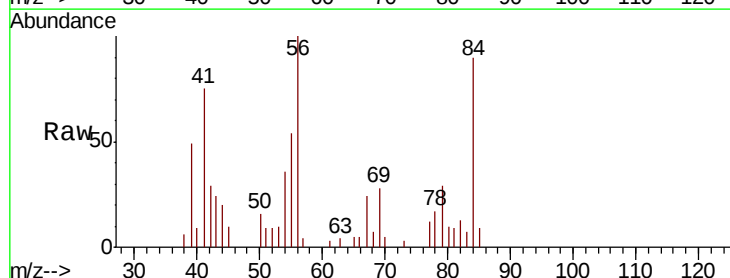
Instrument :
MSVOA_L
ClientSampleId :

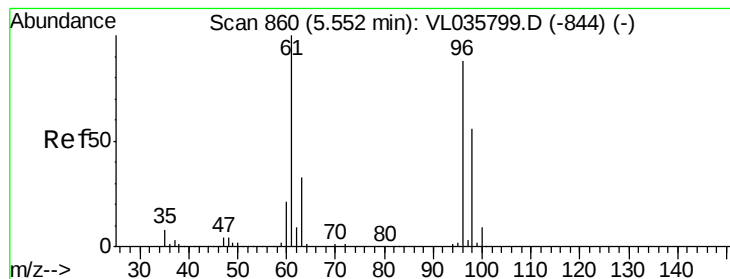
Tot Ion: 83 Resp: 9904
Ion Ratio Lower Upper
83 100
85 57.4 54.6 81.8



#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

Tgt Ion: 84 Resp: 5631
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#





#31

cis-1,2-Dichloroethene

Concen: 0.179 ppbv

RT: 5.64 min Scan# 888

Delta R.T. 0.09 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

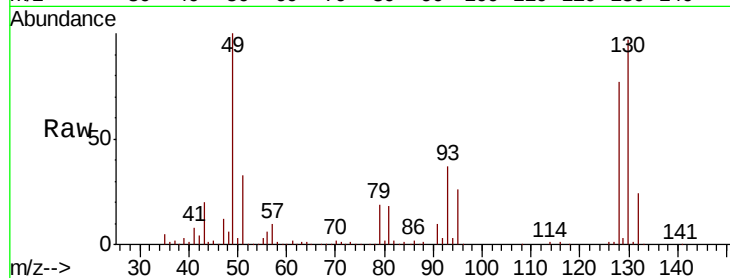
Tot Ion: 61 Resp: 25676

Ion Ratio Lower Upper

61 100

96 12.3 70.3 105.5#

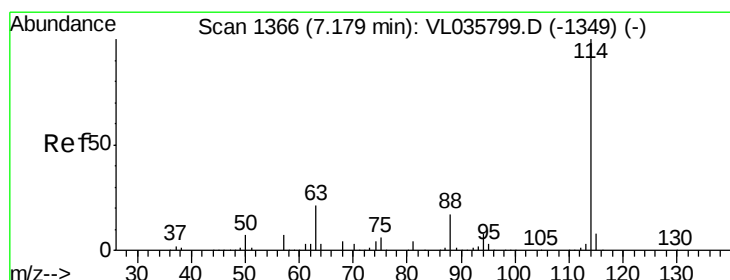
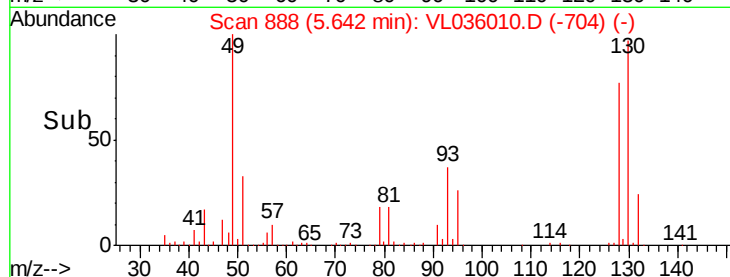
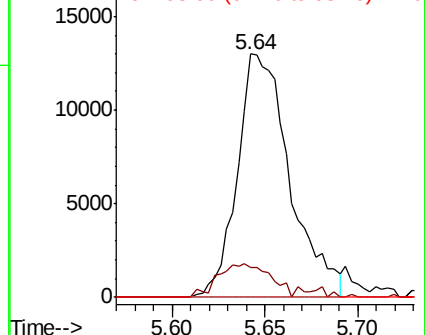
98 0.0 45.0 67.6#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

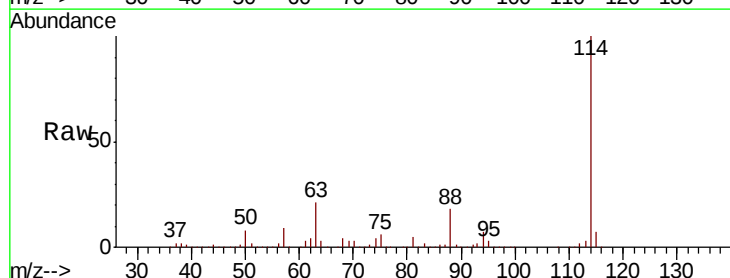
Tgt Ion: 114 Resp: 4187720

Ion Ratio Lower Upper

114 100

63 21.0 16.1 24.1

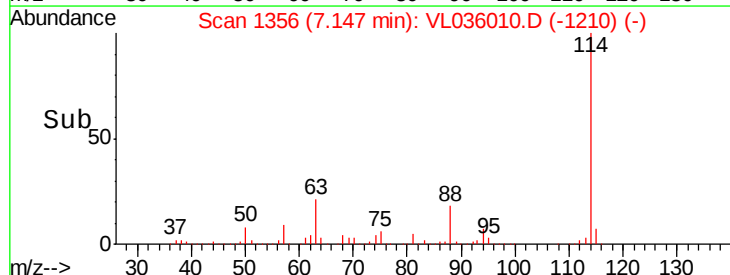
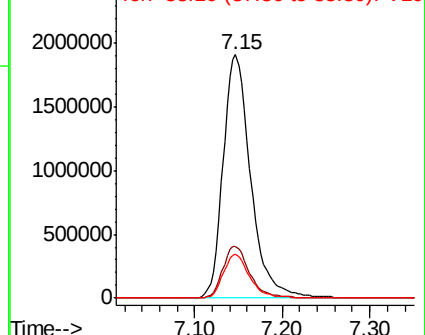
88 17.4 13.7 20.5

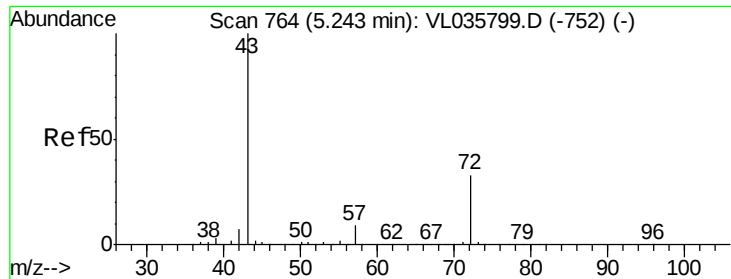


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

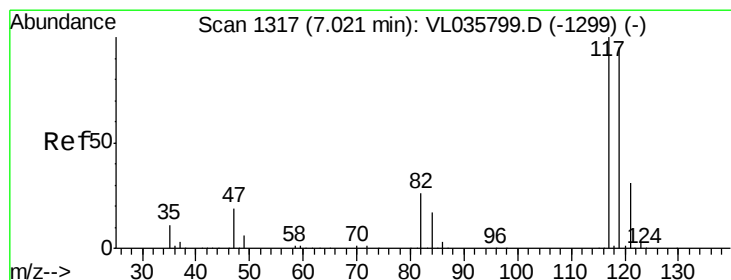
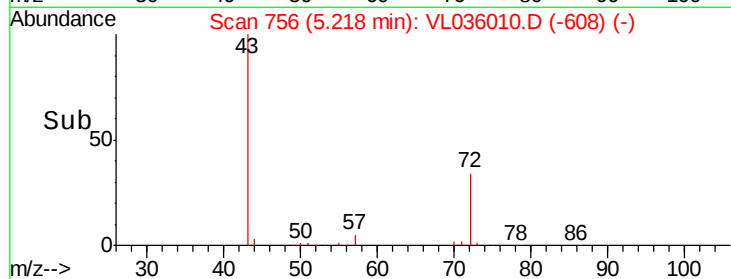
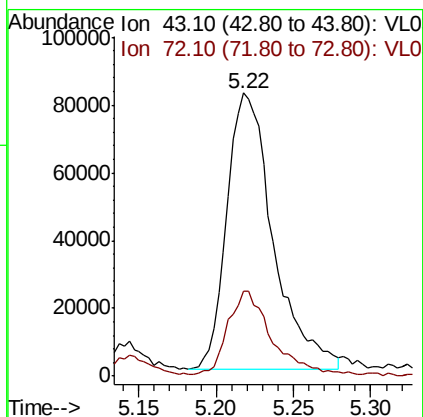
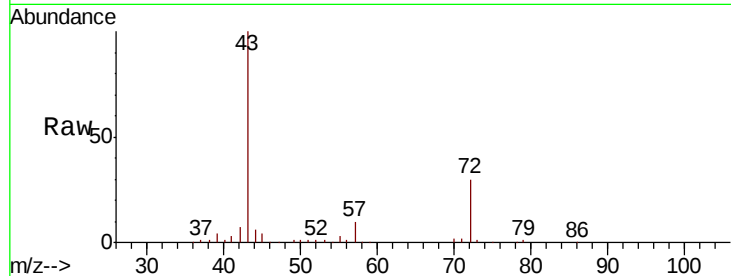




#34
 2-Butanone
 Concen: 1.251 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.03 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

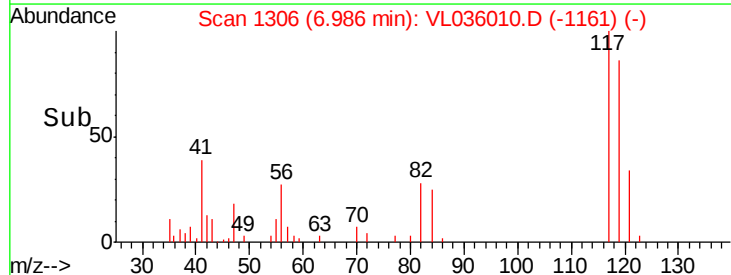
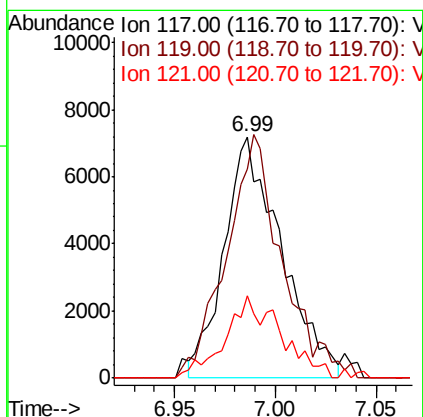
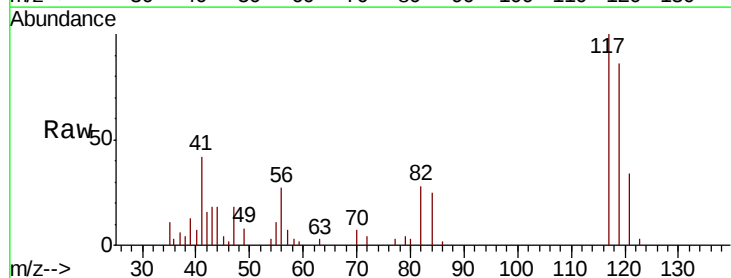
Instrument :
 MSVOA_L
 ClientSampleId :

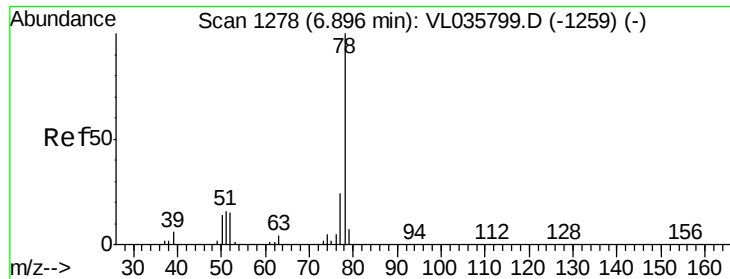
Tot Ion: 43 Resp: 169986
 Ion Ratio Lower Upper
 43 100
 72 31.1 26.5 39.7



#35
 Carbon Tetrachloride
 Concen: 0.064 ppbv
 RT: 6.99 min Scan# 1306
 Delta R.T. -0.04 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

Tgt Ion: 117 Resp: 14216
 Ion Ratio Lower Upper
 117 100
 119 83.6 75.6 113.4
 121 36.3 25.1 37.7





#36

Benzene

Concen: 0.270 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

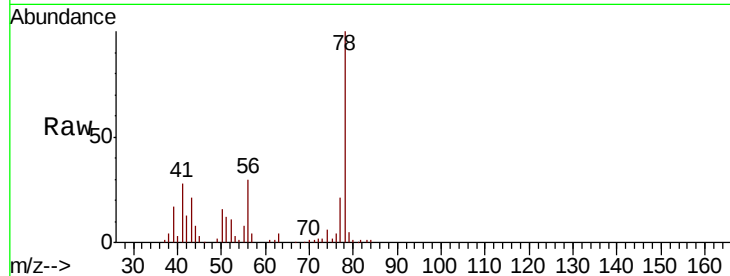
Tot Ion: 78 Resp: 84069

Ion Ratio Lower Upper

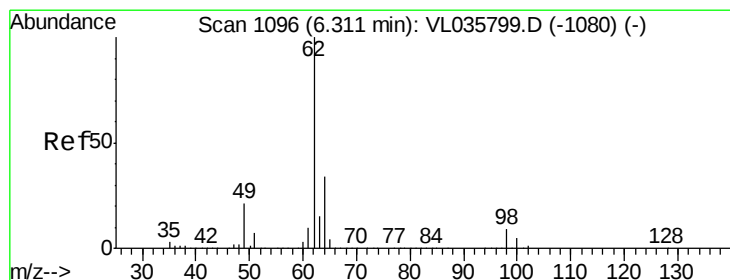
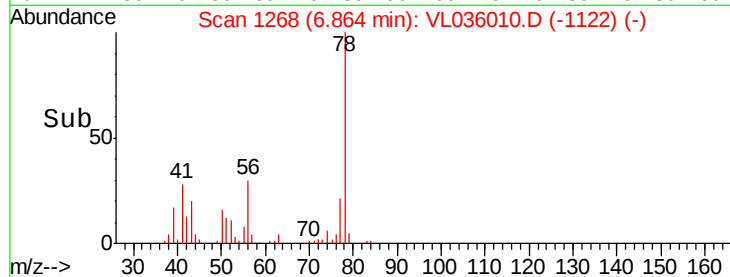
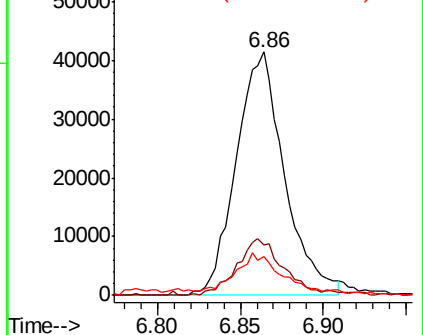
78 100

77 20.7 19.3 28.9

50 13.7 11.4 17.2



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



#37

1,2-Dichloroethane

Concen: 0.072 ppbv

RT: 6.28 min Scan# 1086

Delta R.T. -0.03 min

Lab File: VL036010.D

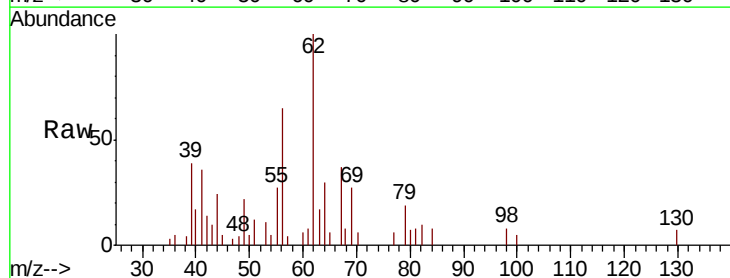
Acq: 25 Nov 2020 1:40

Tgt Ion: 62 Resp: 10181

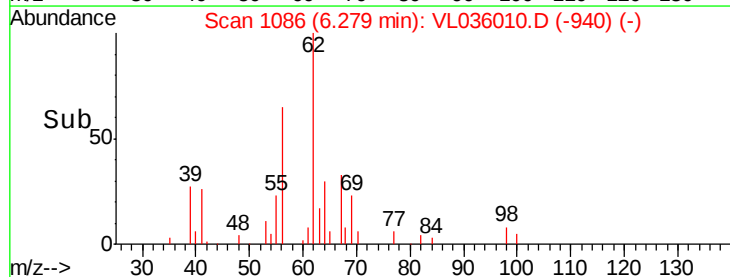
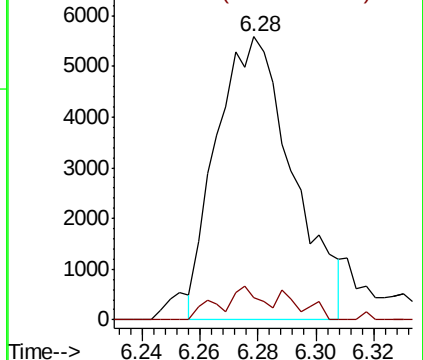
Ion Ratio Lower Upper

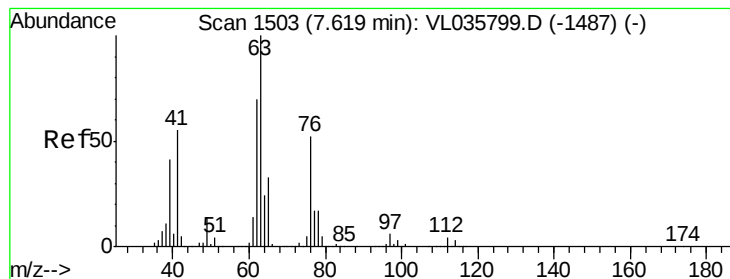
62 100

98 9.8 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 8.295 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.48 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

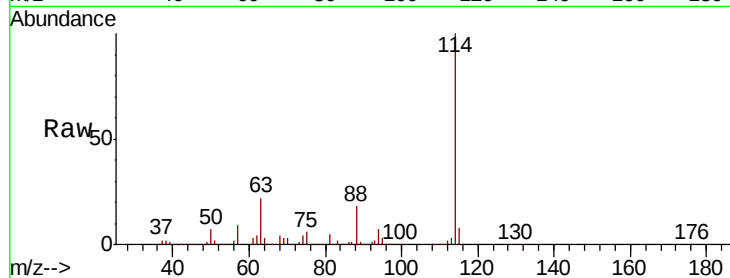
Tot Ion: 63 Resp: 869416

Ion Ratio Lower Upper

63 100

41 0.0 43.8 65.6#

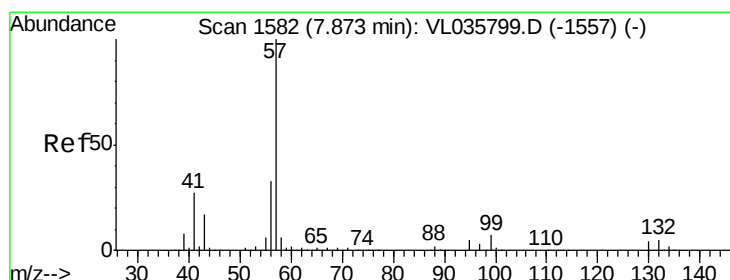
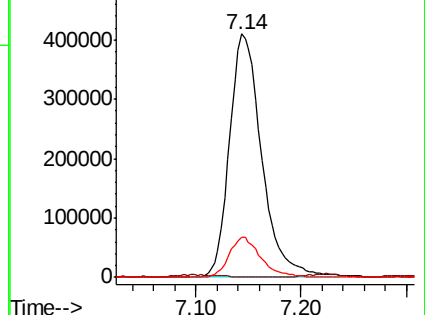
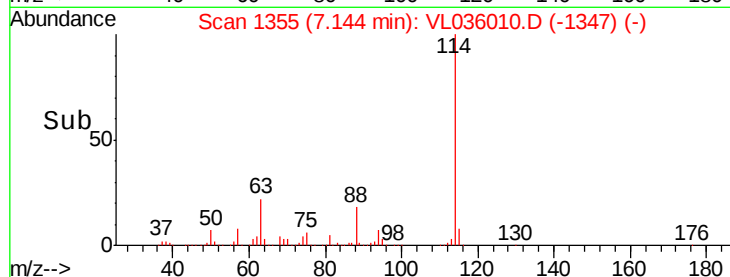
62 16.5 56.2 84.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.073 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.04 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

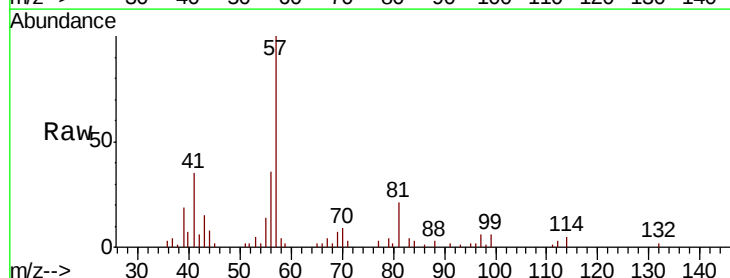
Tgt Ion: 57 Resp: 30023

Ion Ratio Lower Upper

57 100

41 49.7 21.0 31.4#

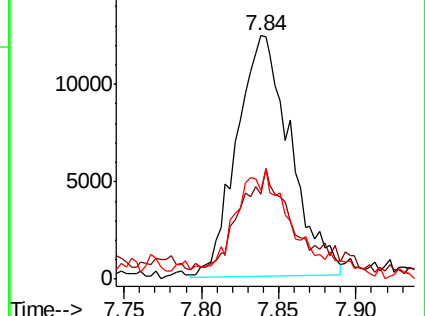
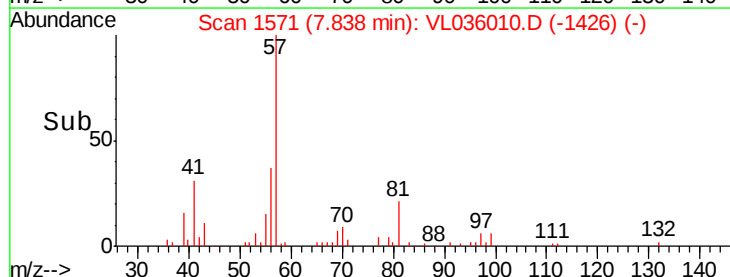
56 52.0 25.4 38.0#

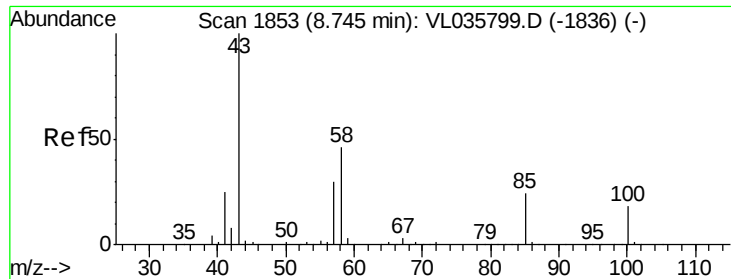


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

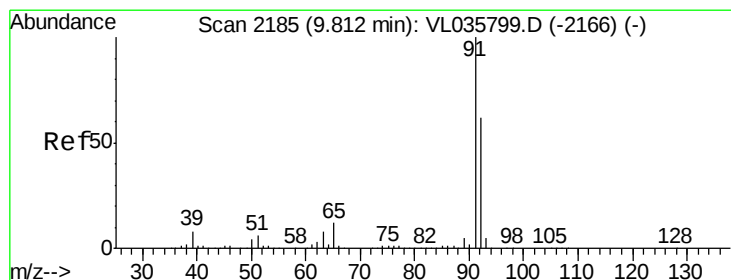
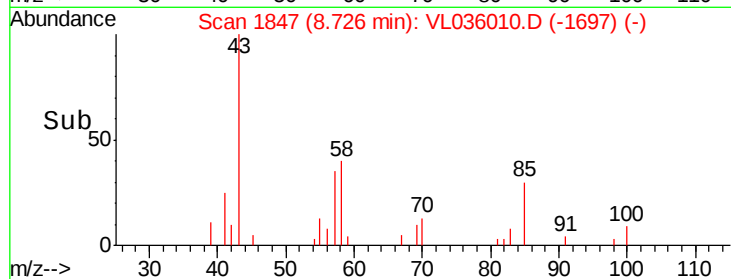
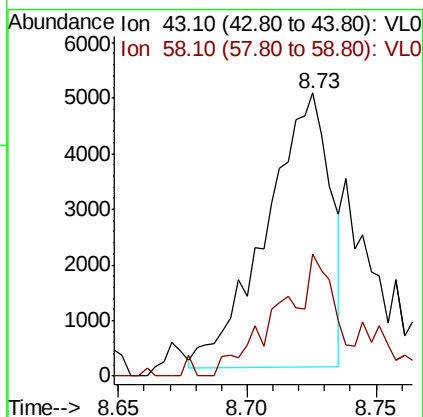
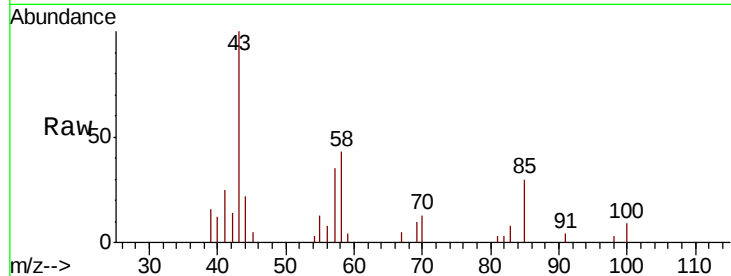




#50
4-Methyl-2-Pentanone
Concen: 0.041 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.02 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

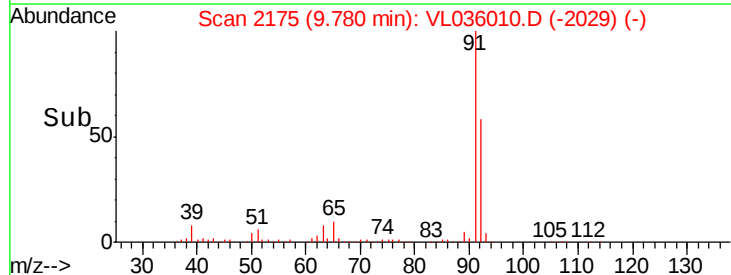
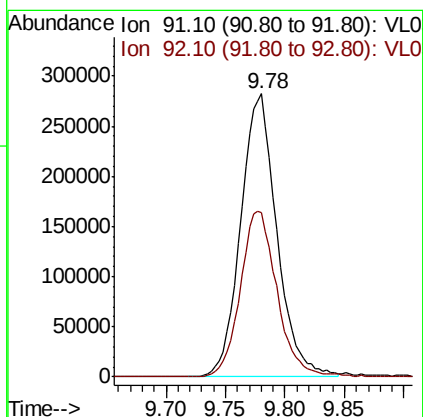
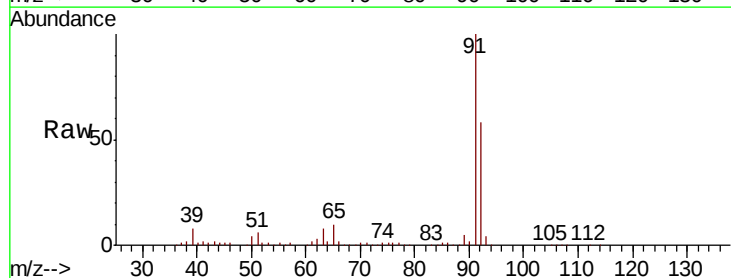
Instrument :
MSVOA_L
ClientSampled :

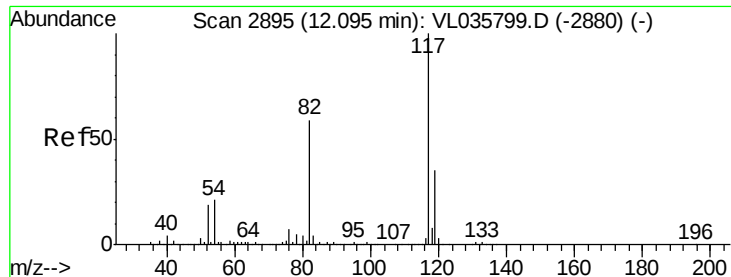
Tot Ion: 43 Resp: 8494
Ion Ratio Lower Upper
43 100
58 52.9 36.0 54.0



#53
Toluene
Concen: 1.582 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

Tgt Ion: 91 Resp: 594328
Ion Ratio Lower Upper
91 100
92 59.8 49.8 74.6

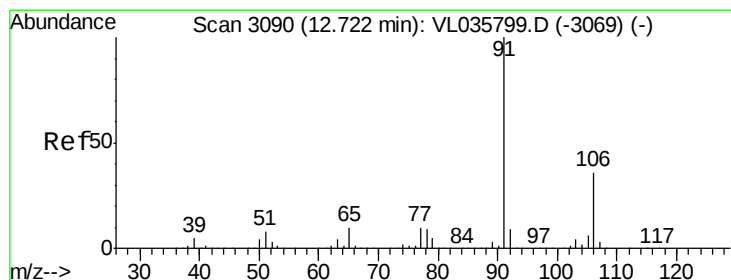
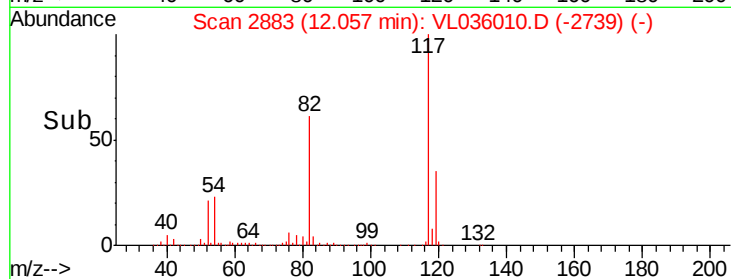
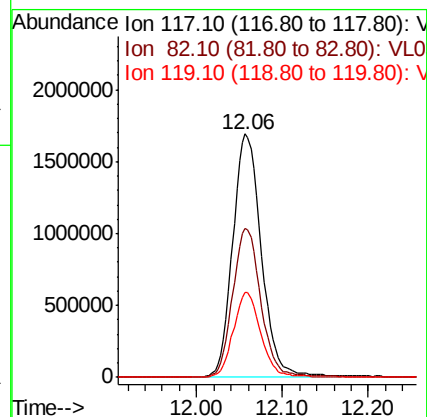
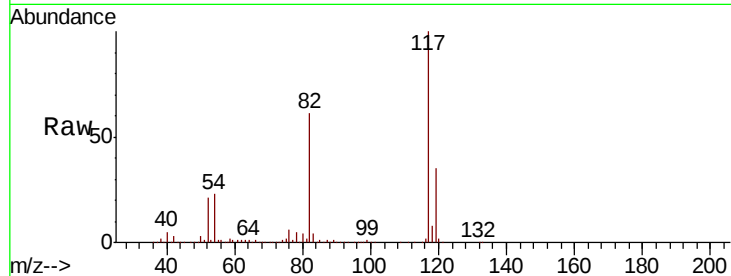




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

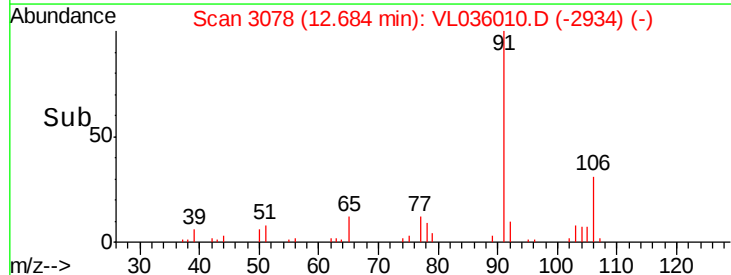
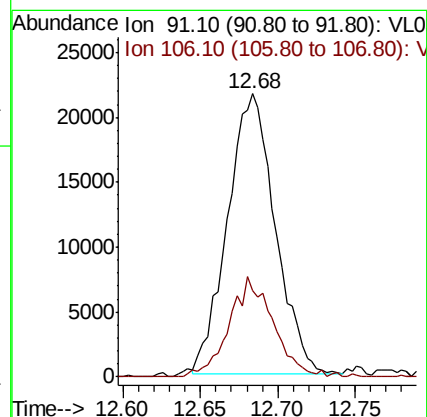
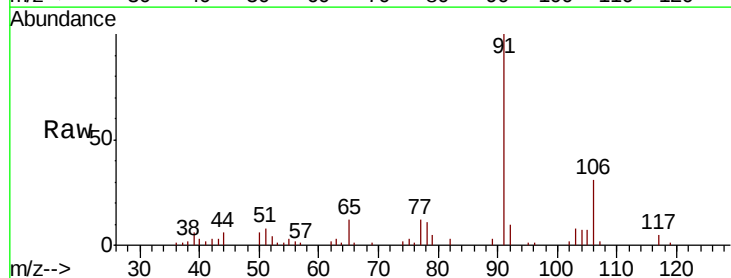
Instrument :
MSVOA_L
ClientSampleId :

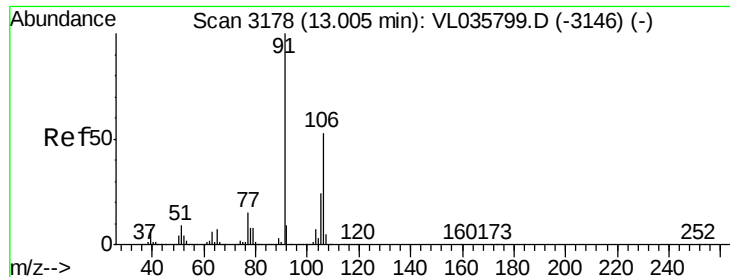
Tot Ion:117 Resp: 3923115
Ion Ratio Lower Upper
117 100
82 61.3 50.6 76.0
119 33.9 52.6 78.8#



#58
Ethyl Benzene
Concen: 0.096 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

Tgt Ion: 91 Resp: 46085
Ion Ratio Lower Upper
91 100
106 31.1 28.6 43.0





#59

m/p-Xylene

Concen: 0.297 ppbv

RT: 12.94 min Scan# 3157

Delta R.T. -0.07 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

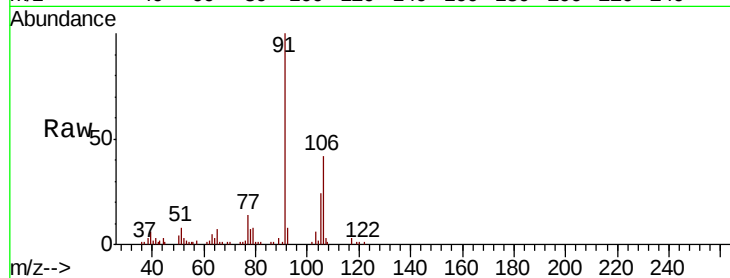
ClientSampled :

Tot Ion: 91 Resp: 120238

Ion Ratio Lower Upper

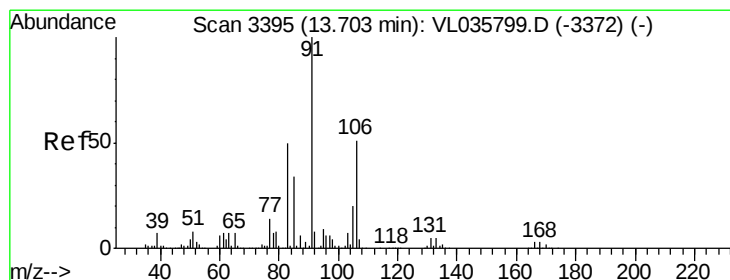
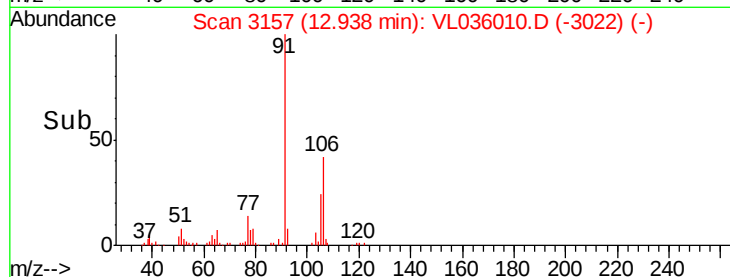
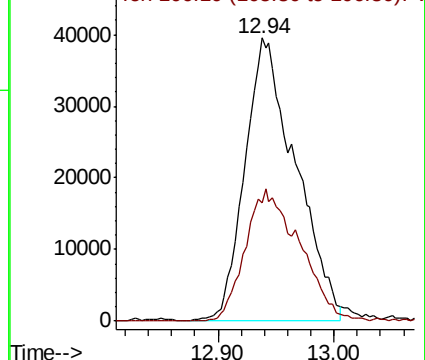
91 100

106 50.2 39.5 59.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.161 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.04 min

Lab File: VL036010.D

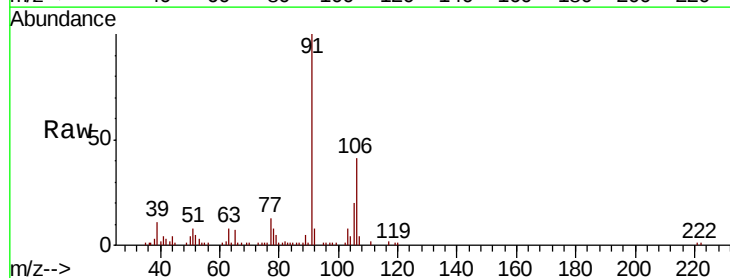
Acq: 25 Nov 2020 1:40

Tgt Ion: 91 Resp: 63179

Ion Ratio Lower Upper

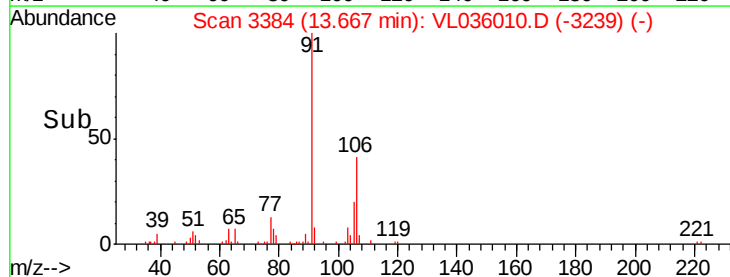
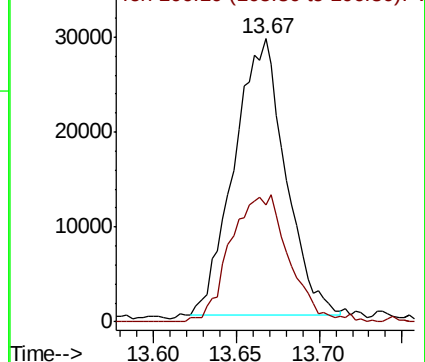
91 100

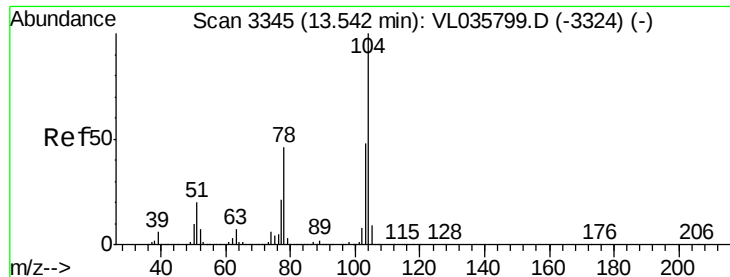
106 51.9 24.8 74.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

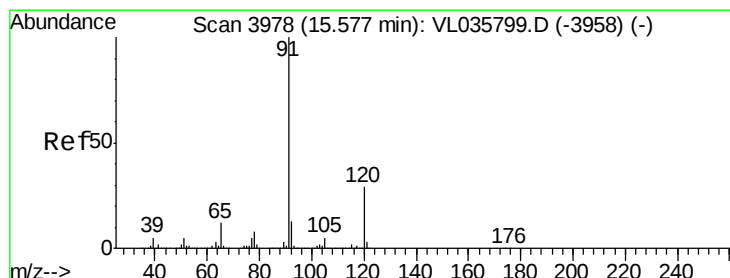
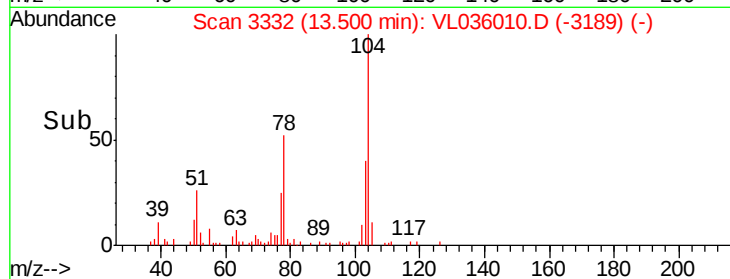
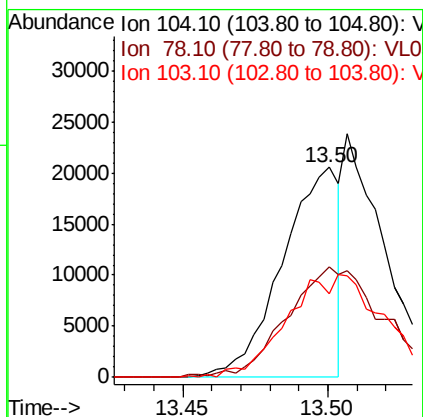
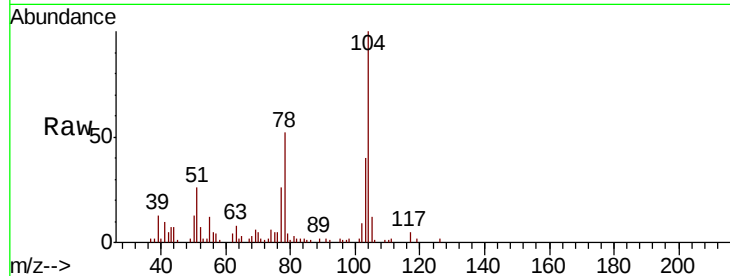




#61
Stvrene
Concen: 0.097 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.04 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

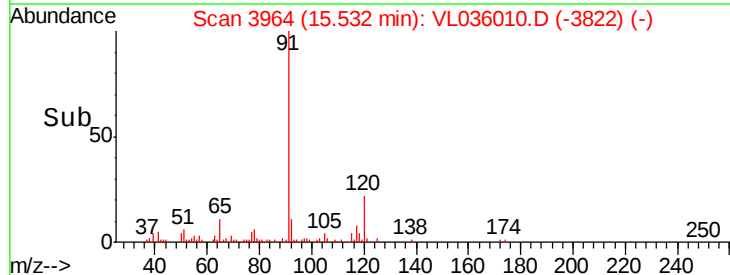
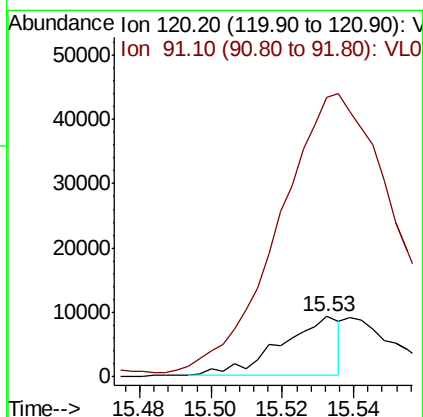
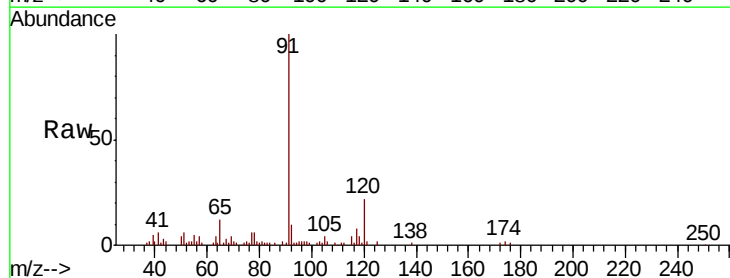
Instrument :
MSVOA_L
ClientSampleId :

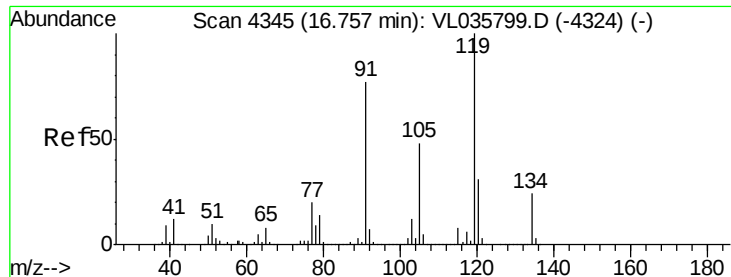
Tot Ion:104 Resp: 27895
Ion Ratio Lower Upper
104 100
78 93.0 37.1 55.7#
103 0.0 37.9 56.9#



#64
n-propylbenzene
Concen: 0.059 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.04 min
Lab File: VL036010.D
Acq: 25 Nov 2020 1:40

Tgt Ion:120 Resp: 10580
Ion Ratio Lower Upper
120 100
91 0.0 311.1 466.7#





#65

tert-Butylbenzene

Concen: 0.160 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.02 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

ClientSampled :

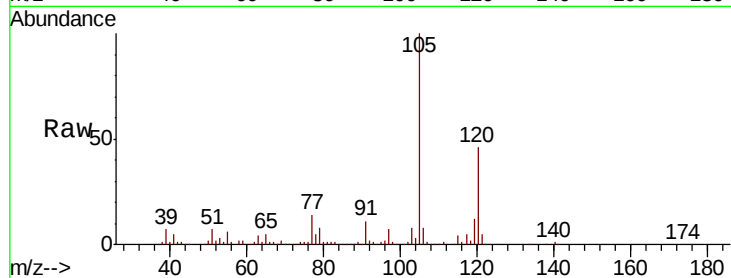
Tot Ion:119 Resp: 90092

Ion Ratio Lower Upper

119 100

91 119.5 62.0 93.0#

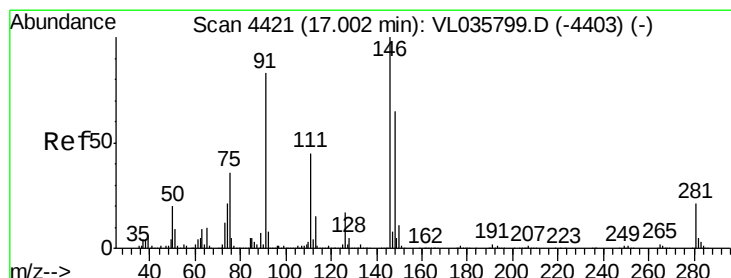
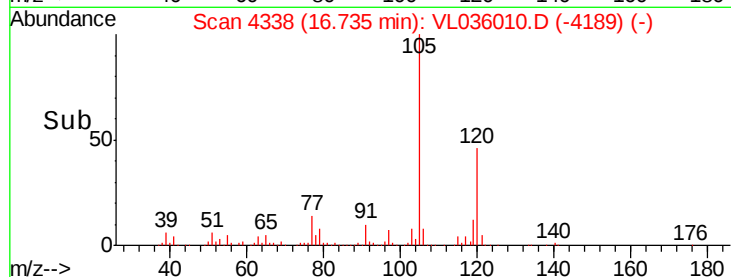
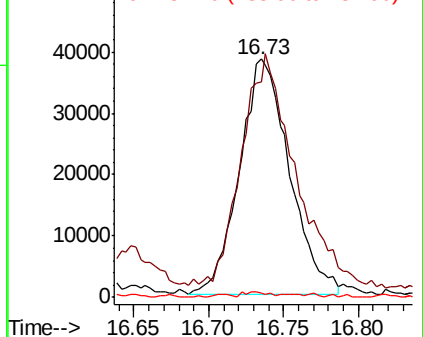
134 2.4 17.8 26.8#



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



#66

Benzyl Chloride

Concen: 0.324 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.26 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

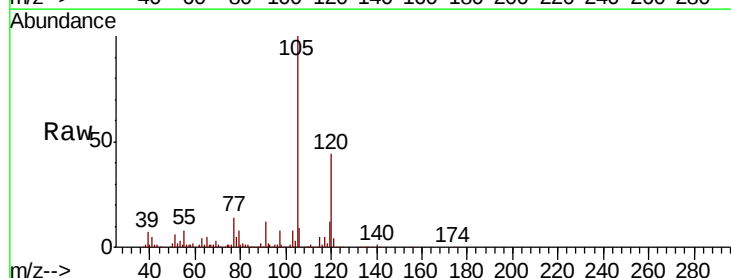
Tgt Ion: 91 Resp: 60257

Ion Ratio Lower Upper

91 100

126 3.3 16.0 24.0#

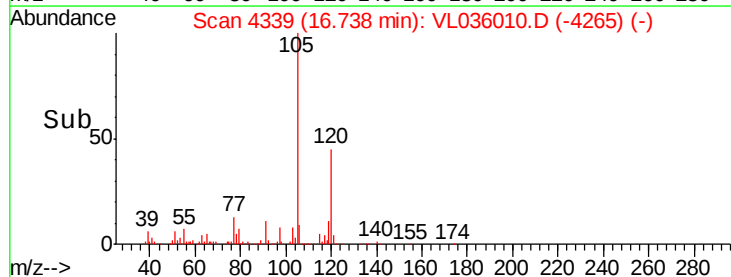
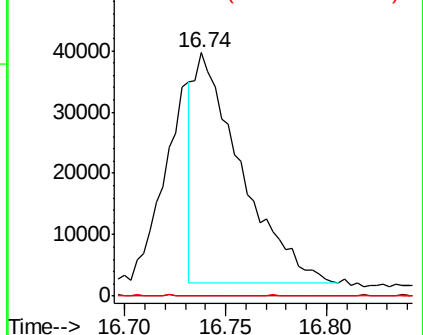
128 0.2 5.0 7.4#

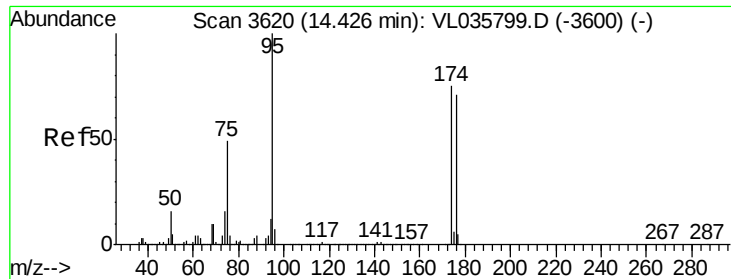


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

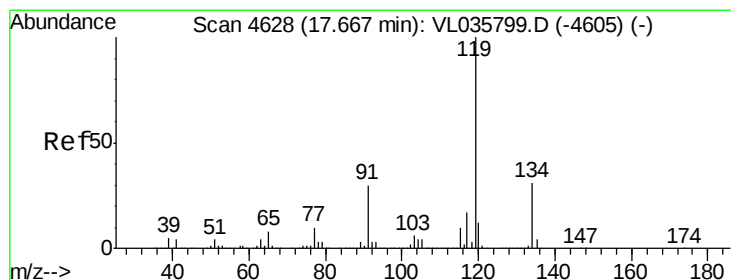
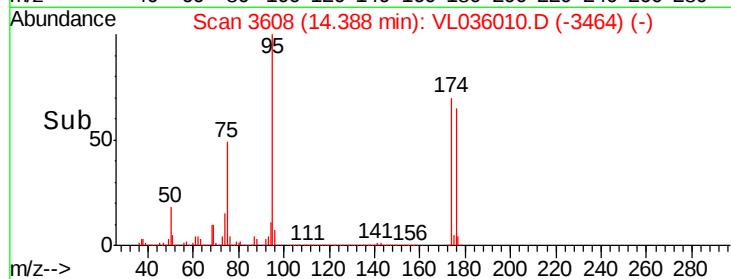
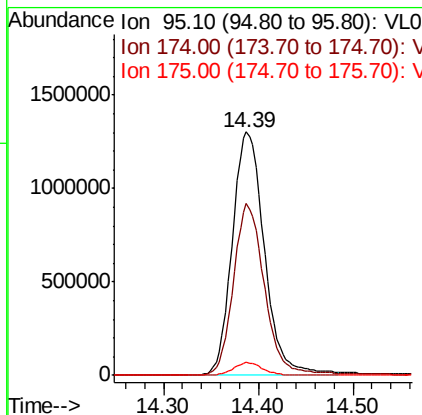
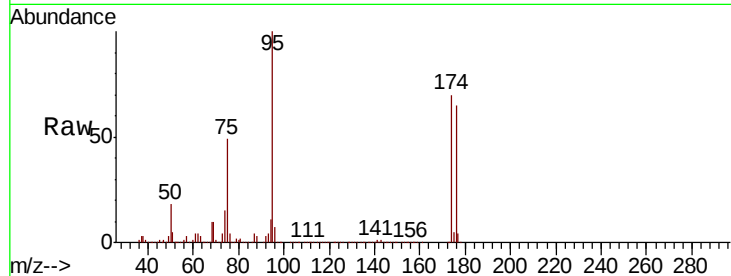




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.065 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.04 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

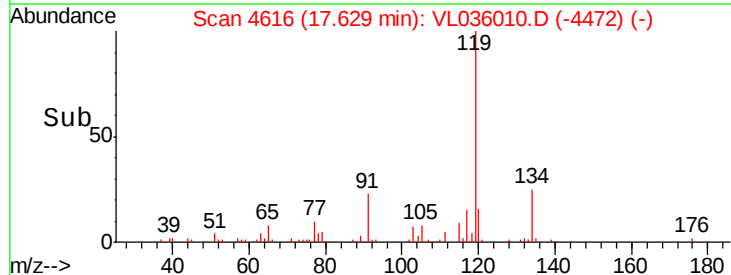
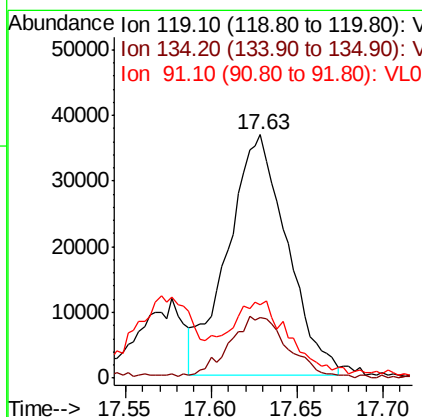
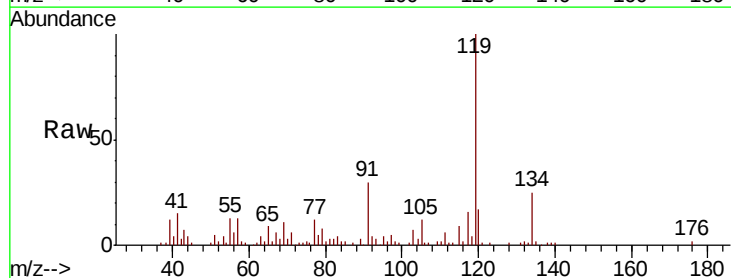
Instrument :
 MSVOA_L
 ClientSampleId :

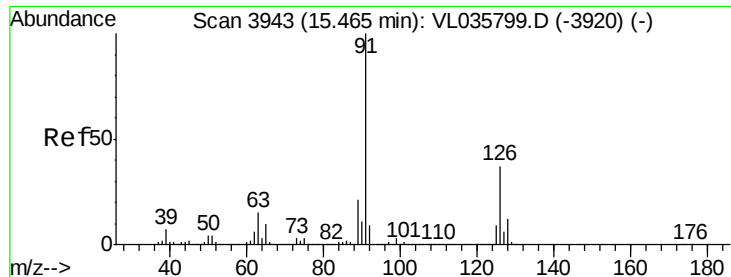
Tot Ion: 95 Resp: 3084243
 Ion Ratio Lower Upper
 95 100
 174 69.4 59.8 89.6
 175 4.9 4.3 6.5



#69
 p-Isopropyltoluene
 Concen: 0.141 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.04 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

Tgt Ion: 119 Resp: 88071
 Ion Ratio Lower Upper
 119 100
 134 26.9 23.0 34.6
 91 30.8 22.8 34.2

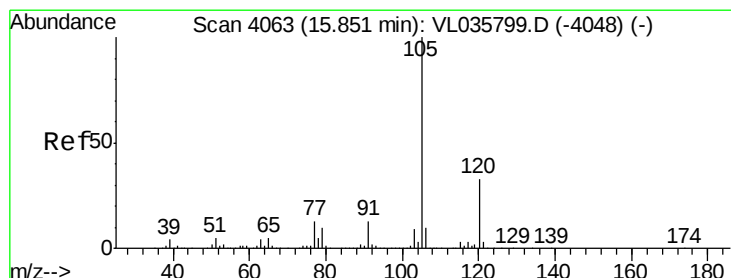
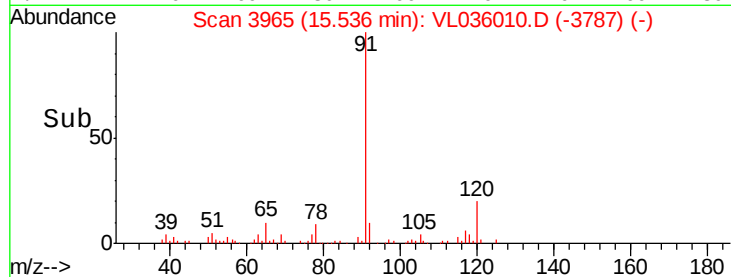
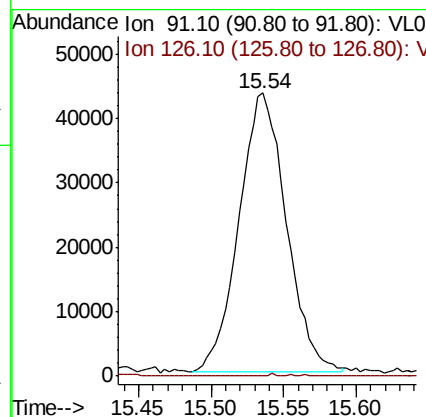
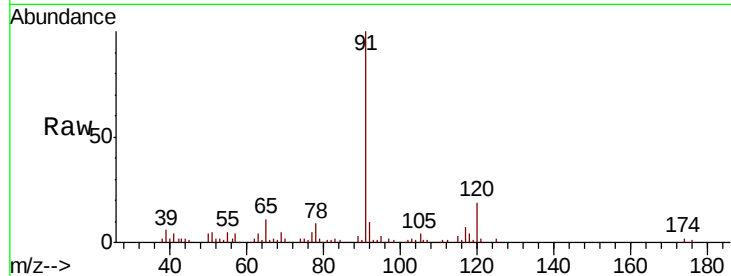




#71
 2-Chlorotoluene
 Concen: 0.217 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. 0.07 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

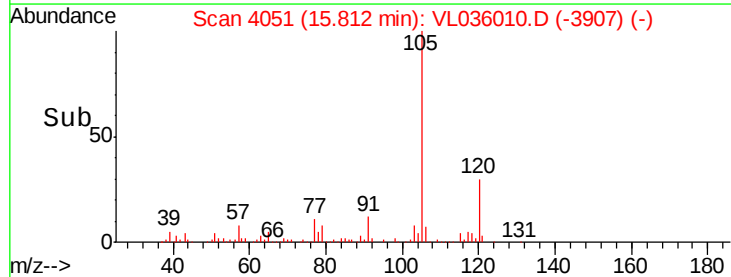
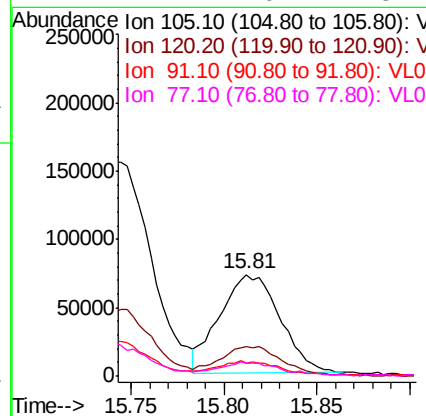
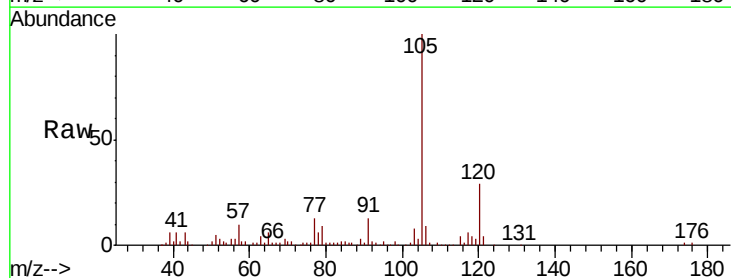
Instrument :
 MSVOA_L
 ClientSampleId :

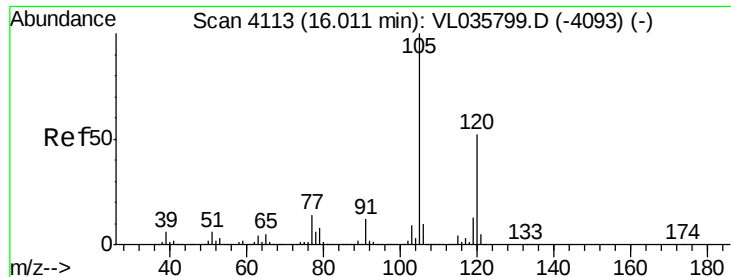
Tot Ion: 91 Resp: 97950
 Ion Ratio Lower Upper
 91 100
 126 0.3 14.3 57.1#



#72
 4-Ethyltoluene
 Concen: 0.343 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.04 min
 Lab File: VL036010.D
 Acq: 25 Nov 2020 1:40

Tgt Ion: 105 Resp: 163493
 Ion Ratio Lower Upper
 105 100
 120 31.8 25.9 38.9
 91 14.7 9.9 14.9
 77 14.4 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 0.376 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.04 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

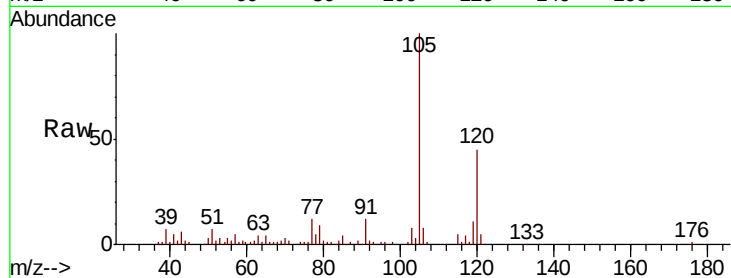
ClientSampleId :

Tot Ion:105 Resp: 164282

Ion Ratio Lower Upper

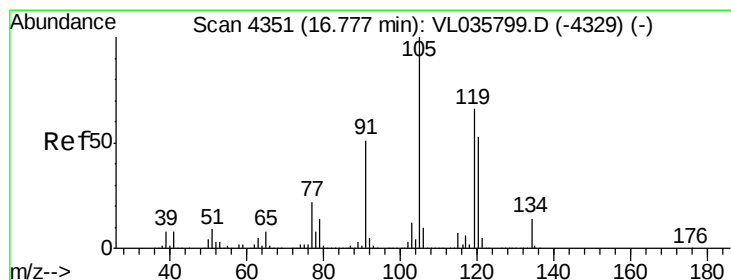
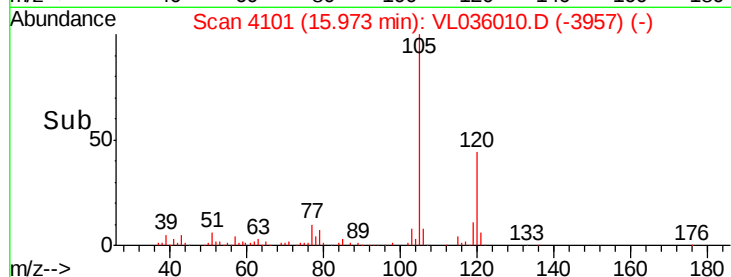
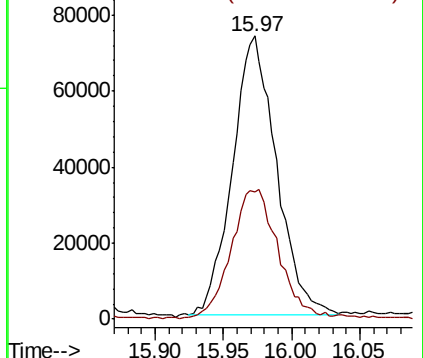
105 100

120 44.7 41.4 62.2



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: 1.624 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Tgt Ion:105 Resp: 759349

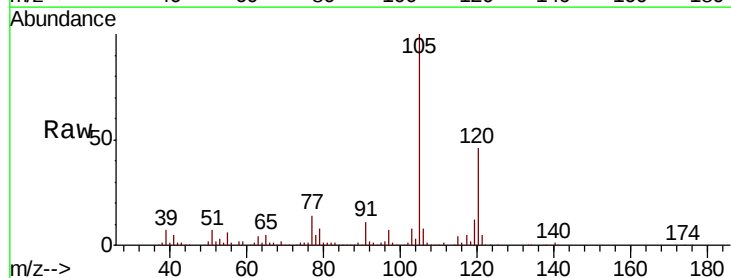
Ion Ratio Lower Upper

105 100

120 45.8 42.0 63.0

91 10.0 41.0 61.6#

77 13.3 17.3 25.9#

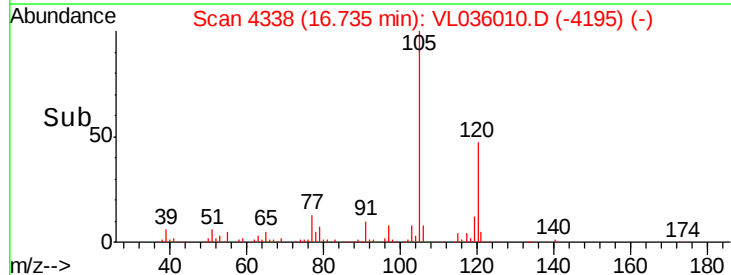
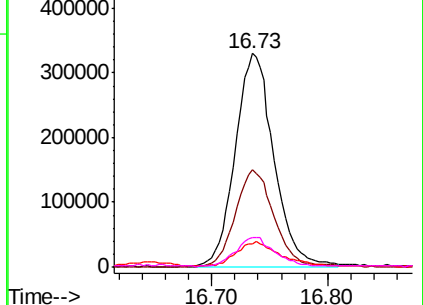


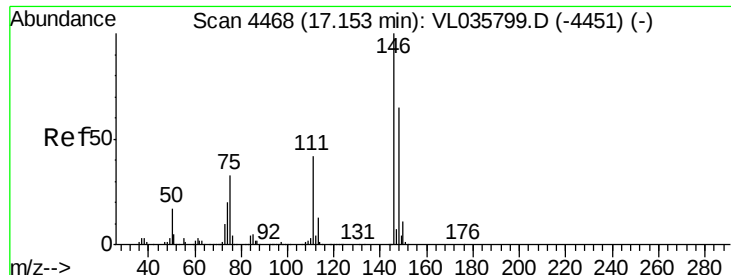
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO





#76

1,4-Dichlorobenzene

Concen: 0.031 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.04 min

Lab File: VL036010.D

Acq: 25 Nov 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 8879

Ion Ratio Lower Upper

146 100

111 269.5 21.3 63.7#

148 114.6 33.0 99.0#

