

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036639.D
 Acq On : 1 Apr 2021 21:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 02 01:24:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1213913	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3197571	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3608514	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2261542	7.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1542260	7.789 ppbv	96
3) Chlorodifluoromethane	2.99	51	2030261	8.952 ppbv	99
4) Chloromethane	3.14	50	667071	8.327 ppbv	97
5) Vinyl Chloride	3.26	62	654344	7.944 ppbv	99
6) Bromomethane	3.47	94	371350	8.188 ppbv	100
7) Chloroethane	3.55	64	236420	8.353 ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	1585745	8.392 ppbv	95
9) Propene	3.01	41	674485	9.328 ppbv	95
10) Heptane	8.12	43	1925358	10.453 ppbv	99
11) Trichlorofluoromethane	3.95	101	1646915	8.162 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1139978	8.837 ppbv	99
13) Ethanol	3.61	45	65504	7.608 ppbv	87
14) Bromoethene	3.74	108	481190	8.972 ppbv	99
15) Acetone	3.87	43	4546068	38.050 ppbv	# 65
16) 1,3-Butadiene	3.33	39	703622	8.459 ppbv	98
17) tert-Butyl alcohol	4.29	59	1052148	10.116 ppbv	98
18) 1,1-Dichloroethene	4.29	96	511194	8.908 ppbv	98
19) Isopropyl Alcohol	3.97	45	600707	9.140 ppbv	# 1
20) Methylene Chloride	4.34	84	449054	8.027 ppbv	94
21) Allyl Chloride	4.41	41	869800	9.132 ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	492793	9.263 ppbv	88
23) Vinyl Acetate	5.07	43	3314398	16.218 ppbv	# 72
24) 1,1-Dichloroethane	5.01	63	1306283	8.769 ppbv	99
25) Ethyl Acetate	5.68	43	2982098	10.498 ppbv	# 96
26) Hexane	5.69	57	1811523	13.743 ppbv	# 81
27) Carbon Disulfide	4.55	76	1272842	9.802 ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1470481	9.459 ppbv	99
29) Chloroform	5.75	83	1794795	8.514 ppbv	96
30) Cyclohexane	7.13	84	1132059	10.589 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1162213	9.116 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1867879	8.792 ppbv	99
34) 2-Butanone	5.25	43	1166929	7.476 ppbv	99
35) Carbon Tetrachloride	7.02	117	1944725	7.918 ppbv	98
36) Benzene	6.89	78	2614982	8.867 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1377741	7.938 ppbv	100
38) Trichloroethene	7.84	130	937242	8.166 ppbv	93
39) 1,2-Dichloropropane	7.61	63	972146	8.126 ppbv	94
40) 1,4-Dioxane	7.83	88	175979	6.321 ppbv	# 1
41) Tetrahydrofuran	6.05	42	558531	7.761 ppbv	96
42) Bromodichloromethane	7.79	83	1935879	8.200 ppbv	97
43) Methyl Methacrylate	8.01	69	971728	9.813 ppbv	98

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 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
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	9132084	17.595	ppbv	97
45) t-1,3-Dichloropropene	9.28	75	956839	8.462	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1180675	8.168	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	955490	7.886	ppbv	97
48) Dibromochloromethane	10.30	129	1731788	9.376	ppbv	100
49) Bromoform	13.04	173	1546763	10.393	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1873758	8.297	ppbv	98
51) 2-Hexanone	10.14	43	1002933	8.800	ppbv #	97
52) Tetrachloroethene	11.23	164	991257	9.128	ppbv	94
53) Toluene	9.81	91	2830499	9.013	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1422027	8.310	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1205940	7.389	ppbv #	57
57) Chlorobenzene	12.15	112	2087885	6.800	ppbv	98
58) Ethyl Benzene	12.71	91	3858079	7.349	ppbv	100
59) m/p-Xylene	13.00	91	3209849	7.010	ppbv #	32
60) o-Xylene	13.70	91	2978841	6.728	ppbv	100
61) Styrene	13.53	104	1691912	7.596	ppbv	99
62) Isopropylbenzene	14.67	105	4269844	7.161	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2042577	6.048	ppbv	99
64) n-propylbenzene	15.56	120	1127170	7.732	ppbv	95
65) tert-Butylbenzene	16.75	119	3785719	7.322	ppbv	97
66) Benzyl Chloride	16.99	91	513007	8.977	ppbv	95
67) sec-Butylbenzene	17.30	105	5162671	7.074	ppbv	99
69) p-Isopropyltoluene	17.66	119	4421576	7.759	ppbv	98
70) n-Butylbenzene	18.55	91	4295908	7.270	ppbv	98
71) 2-Chlorotoluene	15.46	91	3230760	7.231	ppbv	98
72) 4-Ethyltoluene	15.84	105	3599953	7.420	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3253663	7.186	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	3341406	6.896	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2053385	7.529	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2017801	7.451	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1975083	7.704	ppbv	97
78) Hexachloro-1,3-Butadiene	23.38	225	1623143	7.069	ppbv	98
79) Naphthalene	22.21	128	2298562	8.129	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	237848	4.266	ppbv	93
81) 1,2,4-Trichlorobenzene	21.93	180	1489008	8.529	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampled :

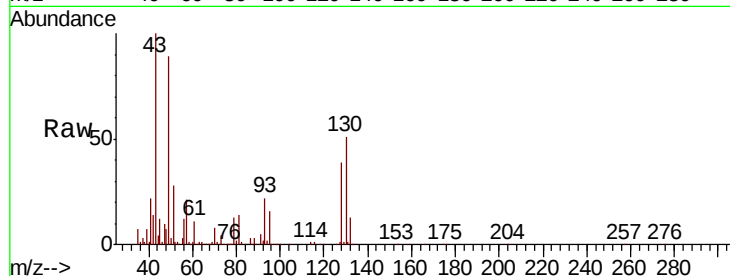
Tot Ion: 49 Resp: 1213913

Ion Ratio Lower Upper

49 100

128 50.6 23.5 70.6

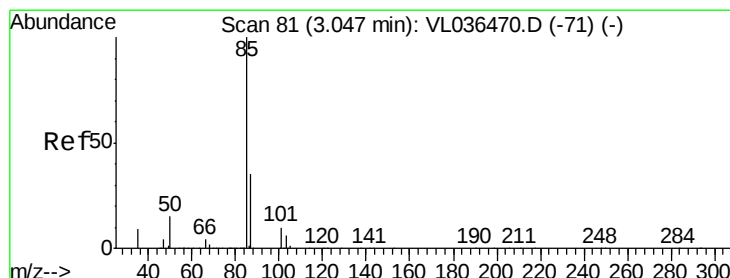
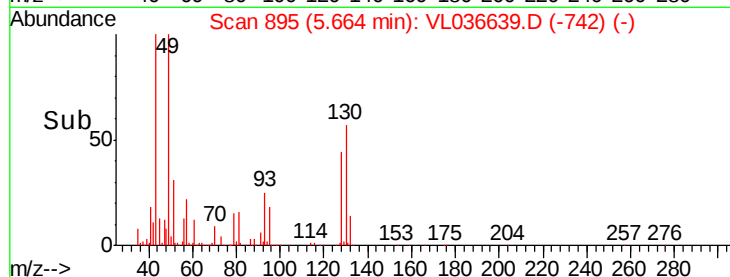
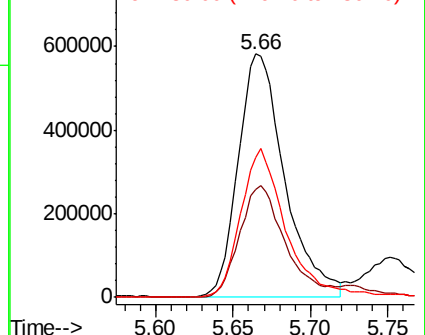
130 61.3 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.789 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036639.D

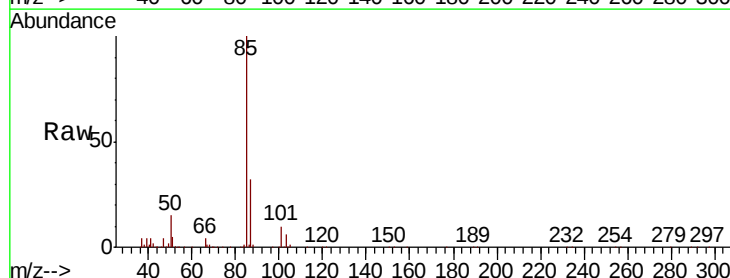
Acq: 1 Apr 2021 21:59

Tgt Ion: 85 Resp: 1542260

Ion Ratio Lower Upper

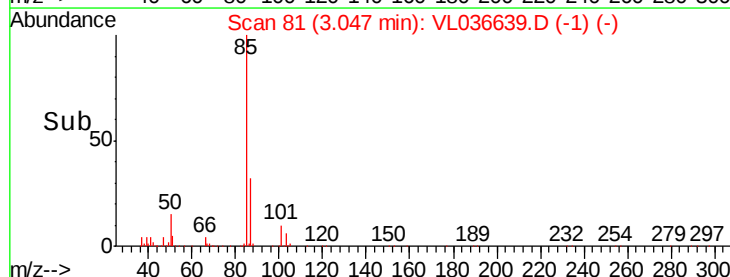
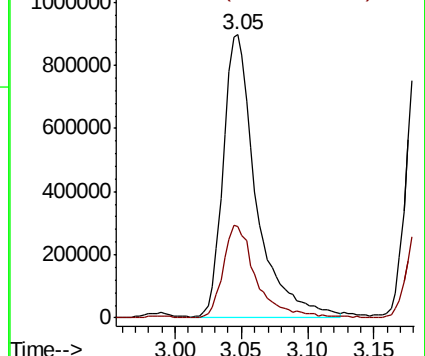
85 100

87 32.3 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

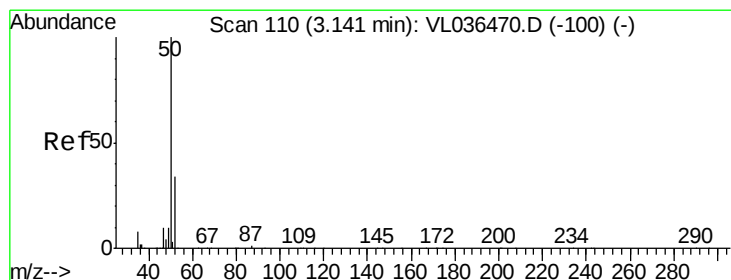
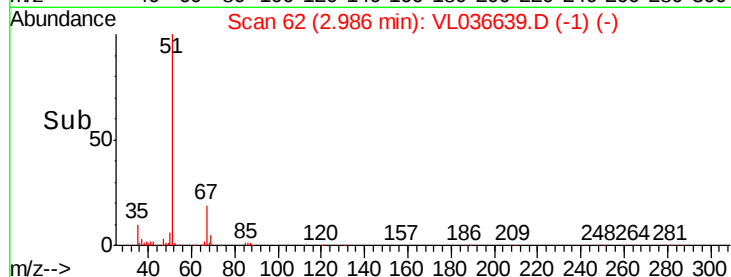
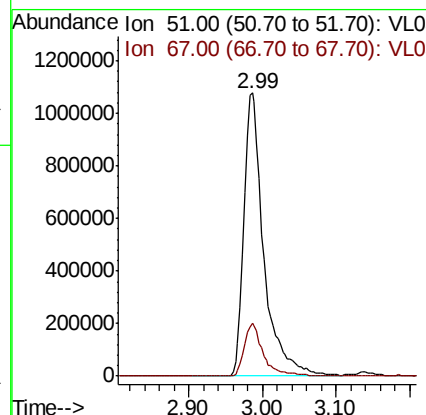
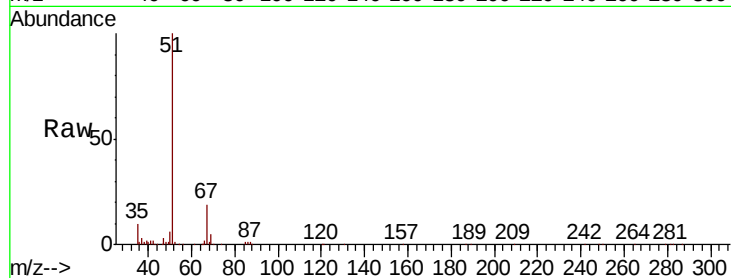




#3
 Chlorodifluoromethane
 Concen: 8.952 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

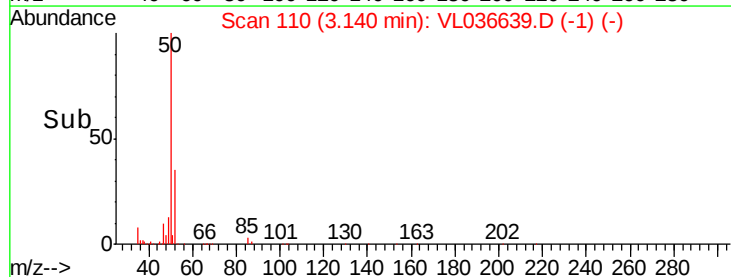
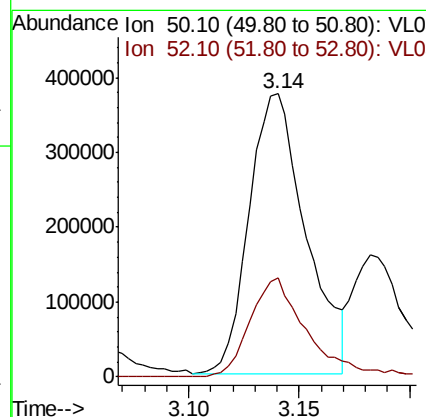
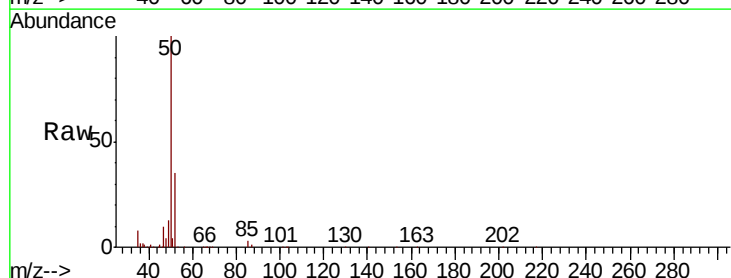
Instrument :
 MSVOA_L
 ClientSampleId :

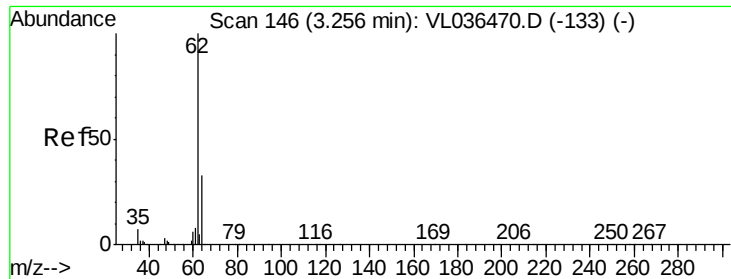
Tot Ion: 51 Resp: 2030261
 Ion Ratio Lower Upper
 51 100
 67 18.1 14.7 22.1



#4
 Chloromethane
 Concen: 8.327 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion: 50 Resp: 667071
 Ion Ratio Lower Upper
 50 100
 52 35.3 27.0 40.6





#5

Vinyl Chloride

Concen: 7.944 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

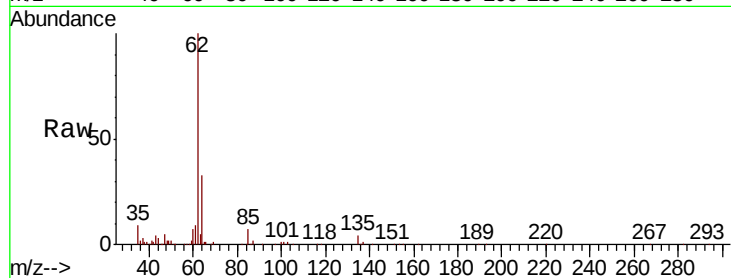
ClientSampleId :

Tot Ion: 62 Resp: 654344

Ion Ratio Lower Upper

62 100

64 33.5 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

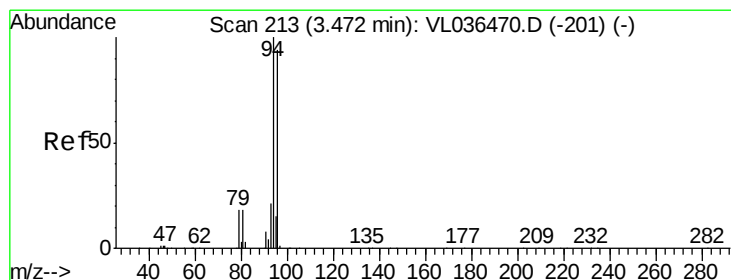
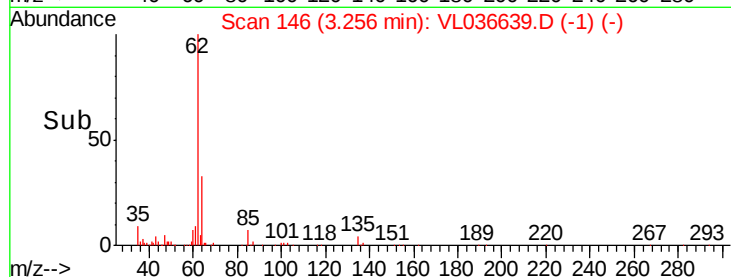
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.188 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036639.D

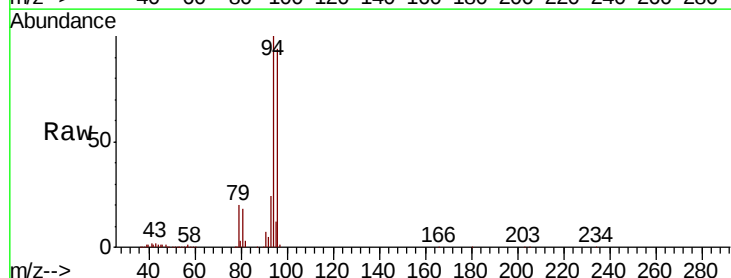
Acq: 1 Apr 2021 21:59

Tgt Ion: 94 Resp: 371350

Ion Ratio Lower Upper

94 100

96 93.7 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

200000

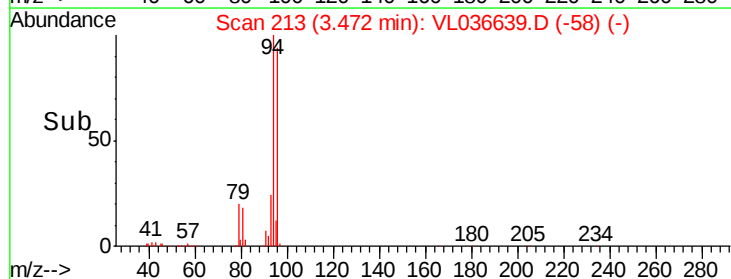
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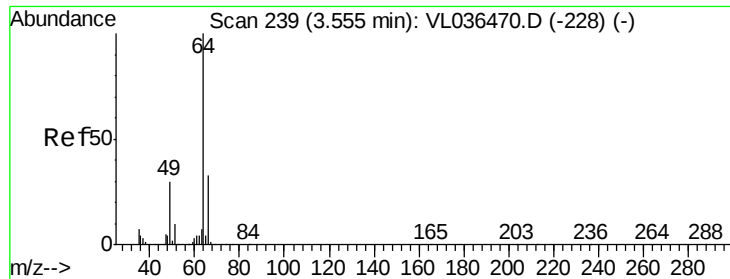
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.353 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

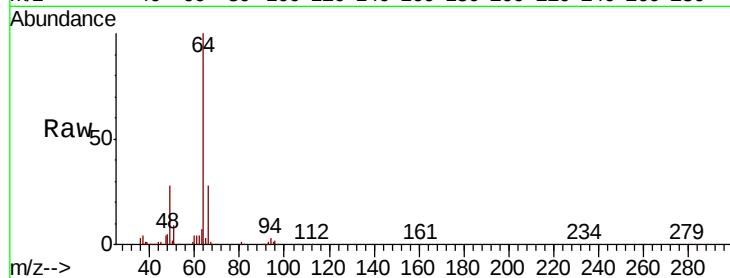
ClientSampleId :

Tot Ion: 64 Resp: 236420

Ion Ratio Lower Upper

64 100

66 28.3 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

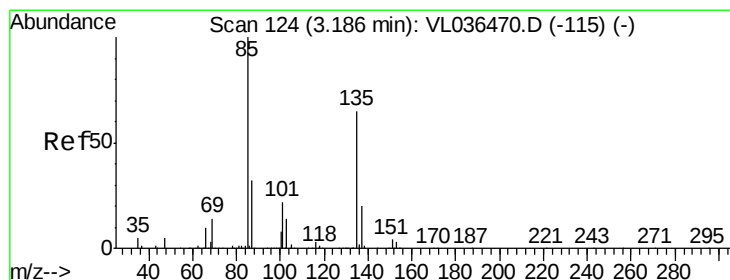
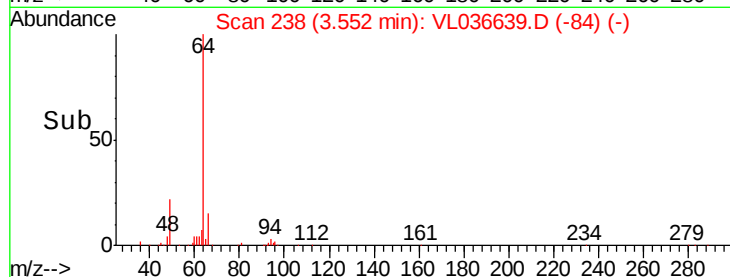
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.392 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036639.D

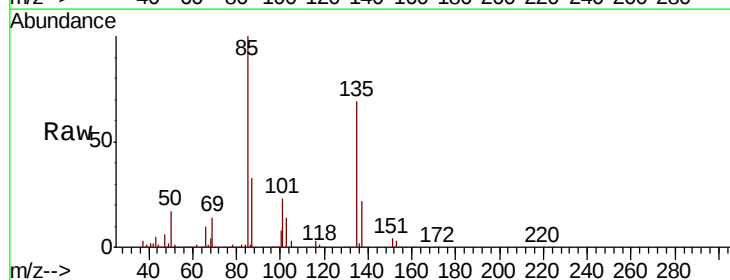
Acq: 1 Apr 2021 21:59

Tgt Ion: 85 Resp: 1585745

Ion Ratio Lower Upper

85 100

135 71.7 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

1000000

800000

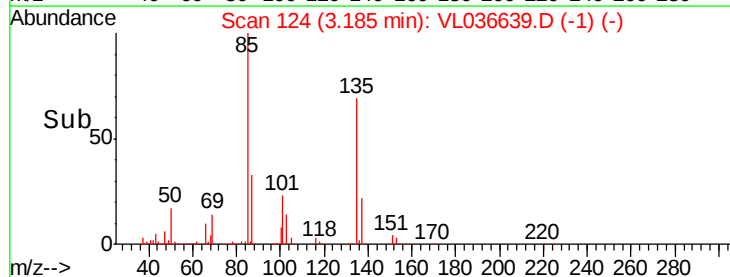
600000

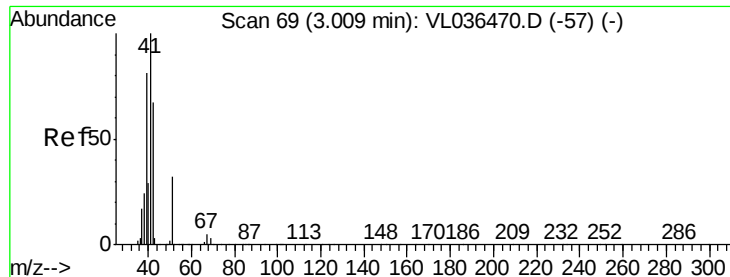
400000

200000

0

Time-->





#9

Propene

Concen: 9.328 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

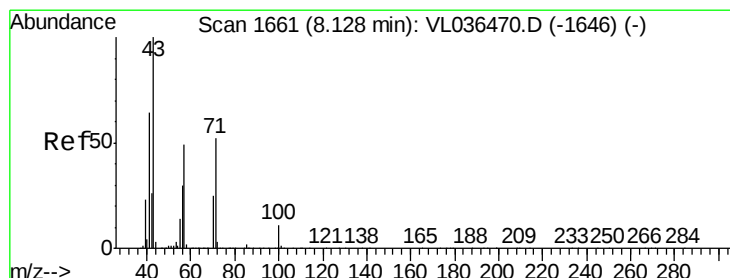
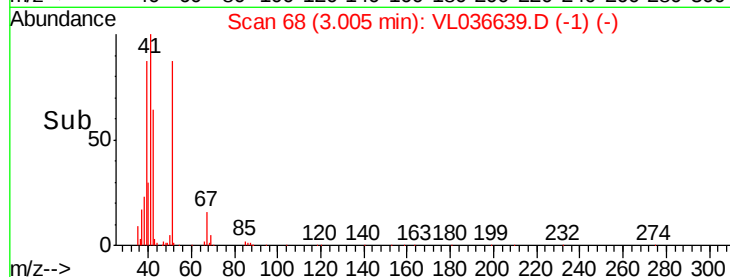
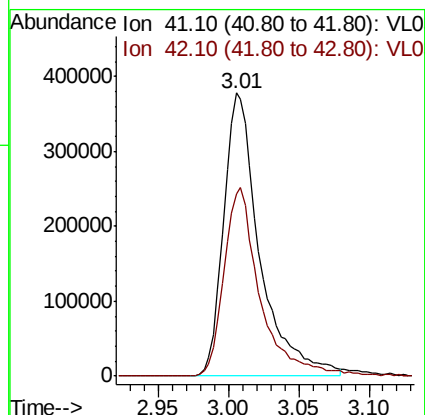
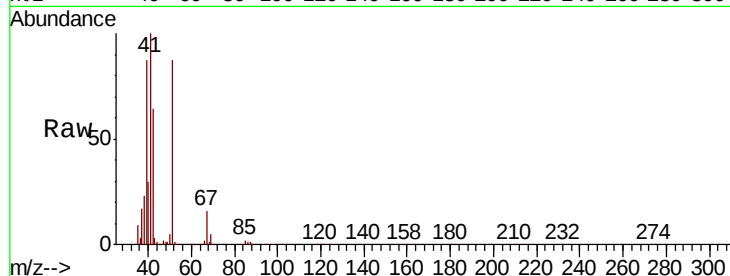
ClientSampleId :

Tot Ion: 41 Resp: 674485

Ion Ratio Lower Upper

41 100

42 67.0 57.0 85.4



#10

Heptane

Concen: 10.453 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036639.D

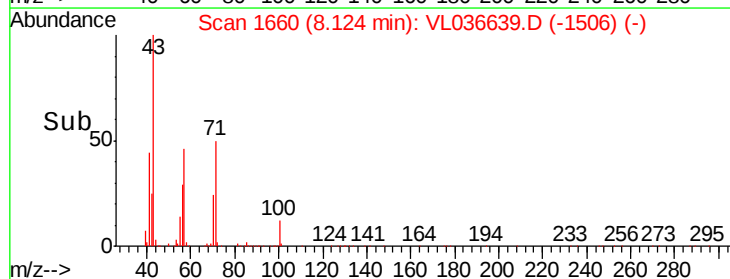
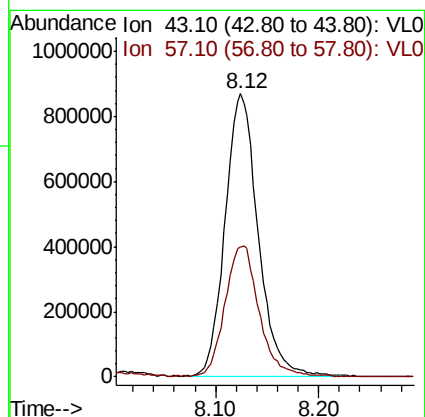
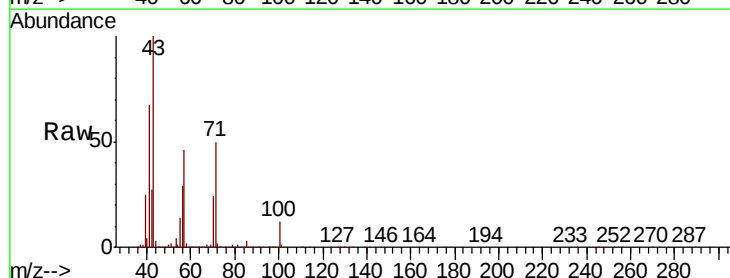
Acq: 1 Apr 2021 21:59

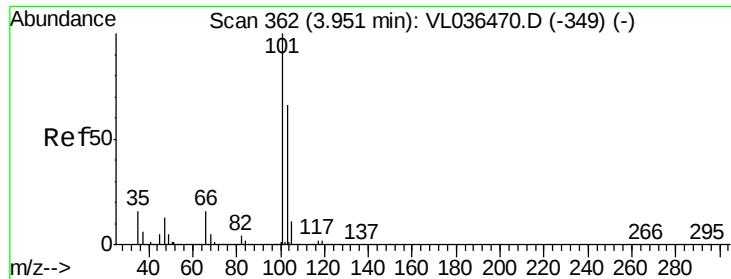
Tgt Ion: 43 Resp: 1925358

Ion Ratio Lower Upper

43 100

57 48.3 39.0 58.6

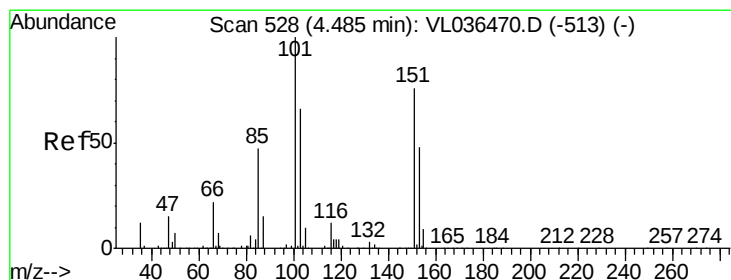
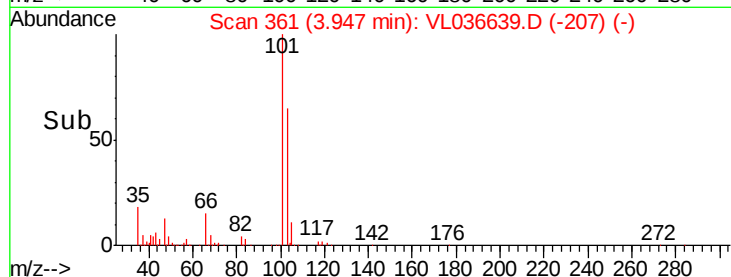
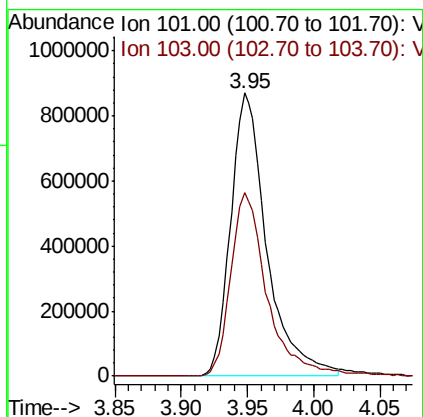
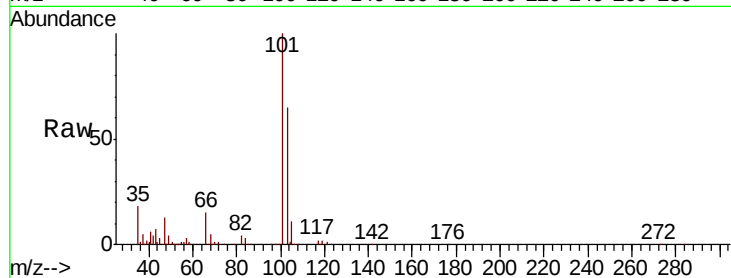




#11
 Trichlorofluoromethane
 Concen: 8.162 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

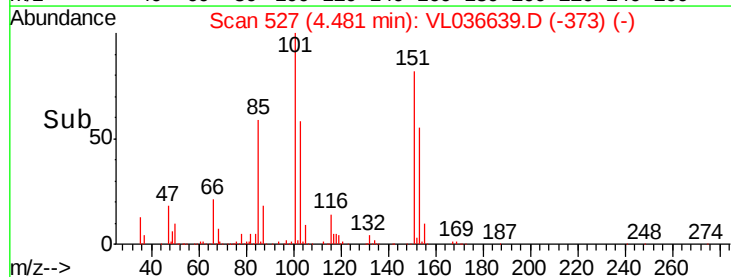
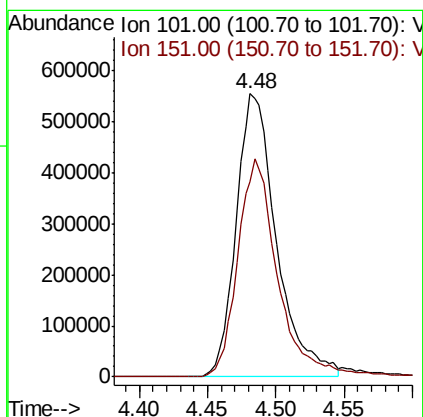
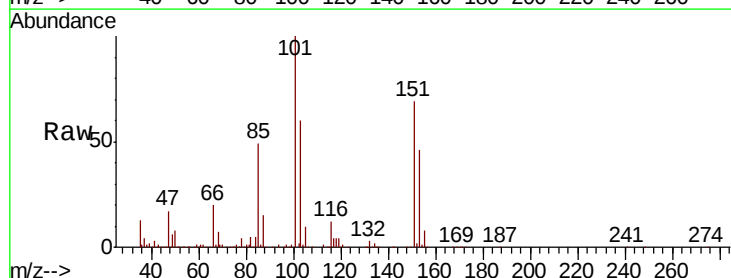
Instrument :
 MSVOA_L
 ClientSampleId :

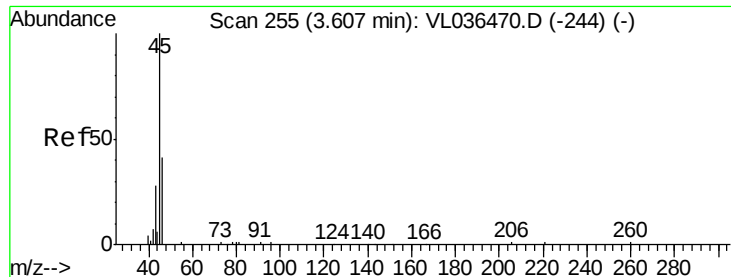
Tot Ion:101 Resp: 1646915
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.837 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion:101 Resp: 1139978
 Ion Ratio Lower Upper
 101 100
 151 76.7 60.9 91.3





#13

Ethanol

Concen: 7.608 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

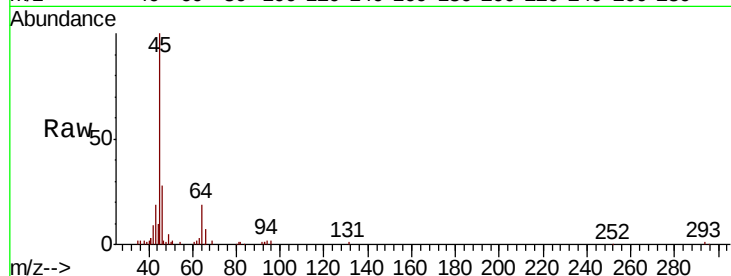
ClientSampleId :

Tot Ion: 45 Resp: 65504

Ion Ratio Lower Upper

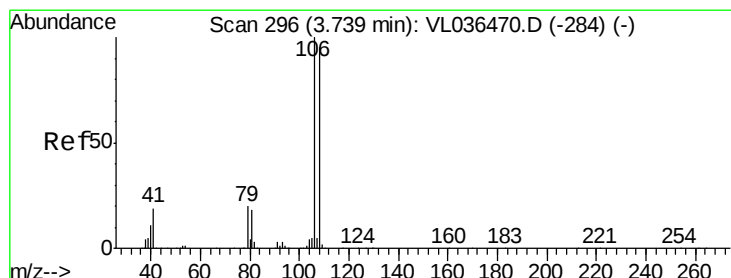
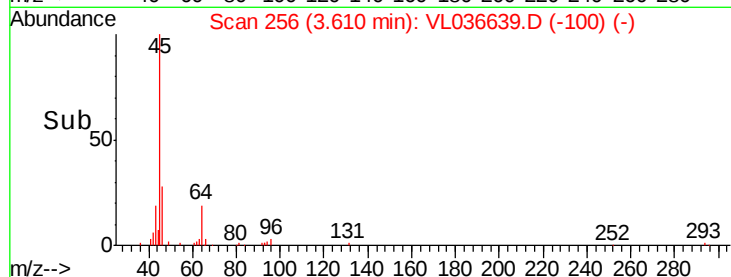
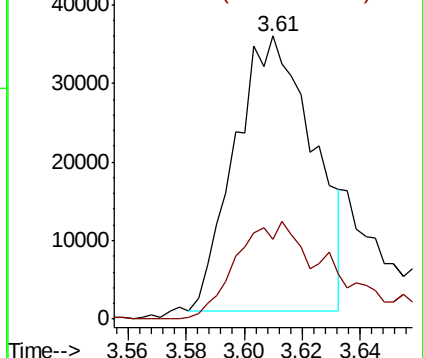
45 100

46 49.8 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 8.972 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

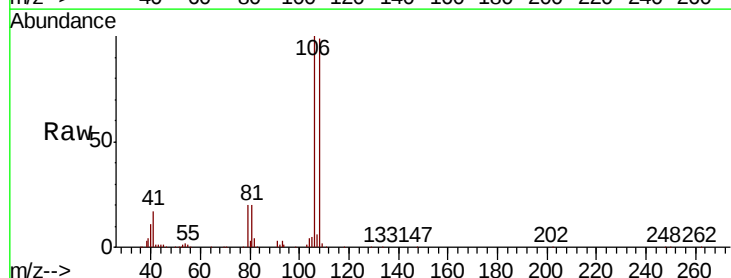
Tgt Ion:108 Resp: 481190

Ion Ratio Lower Upper

108 100

106 110.2 89.0 133.6

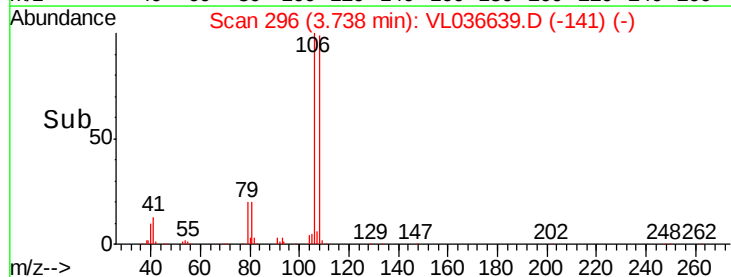
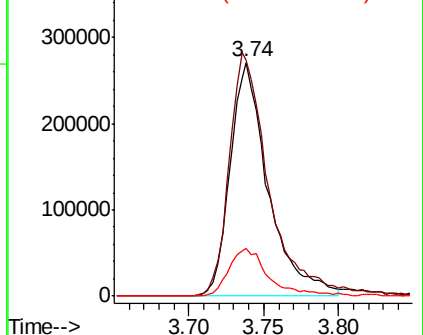
79 21.1 16.6 25.0

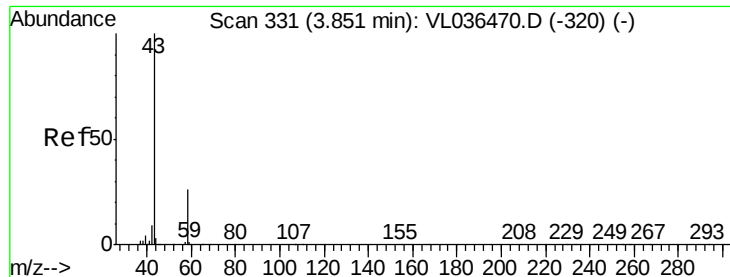


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 38.050 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

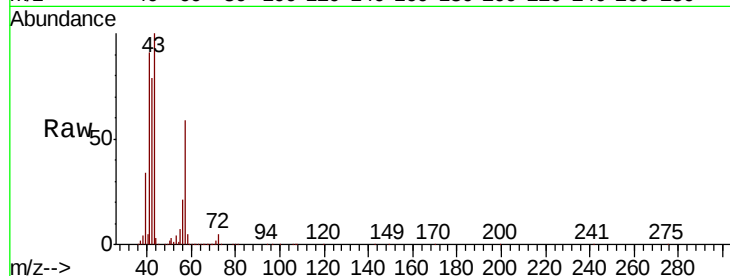
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4546068

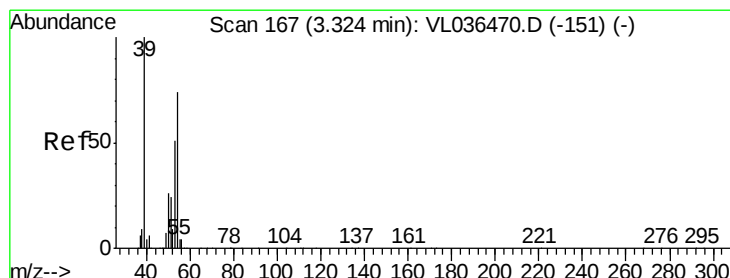
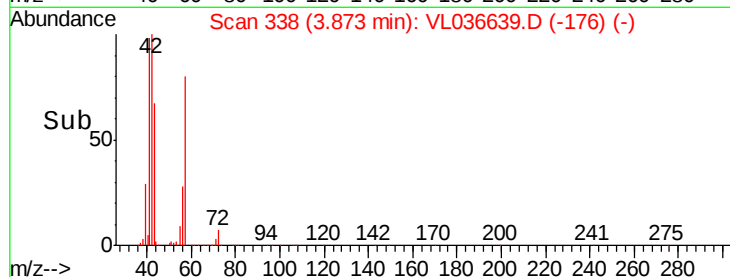
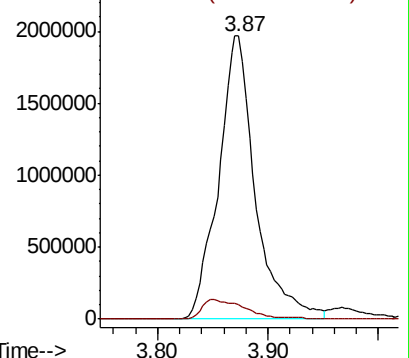
Ion Ratio Lower Upper

43 100

58 8.6 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.459 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036639.D

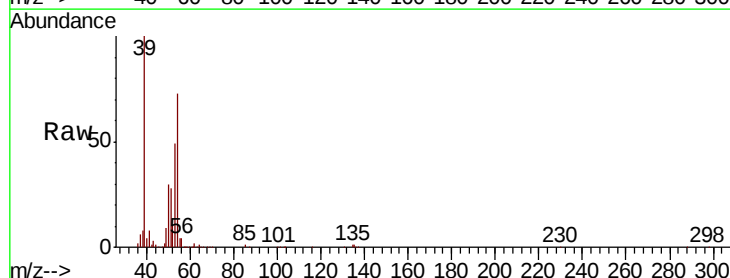
Acq: 1 Apr 2021 21:59

Tgt Ion: 39 Resp: 703622

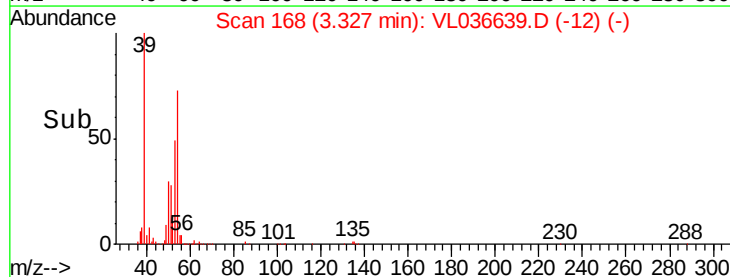
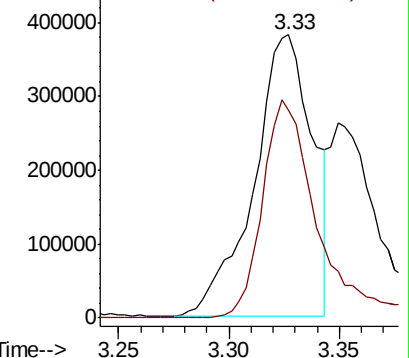
Ion Ratio Lower Upper

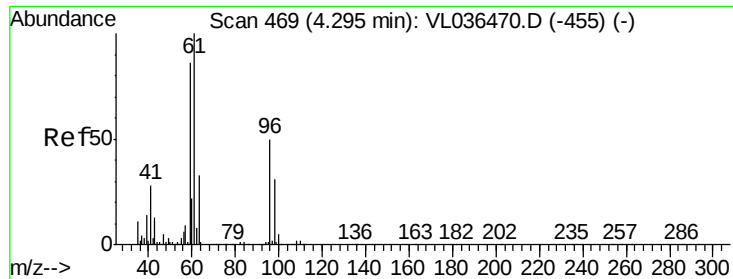
39 100

54 74.9 58.8 88.2



Abundance Ion 39.10 (38.80 to 39.80): VL0
Ion 54.10 (53.80 to 54.80): VL0



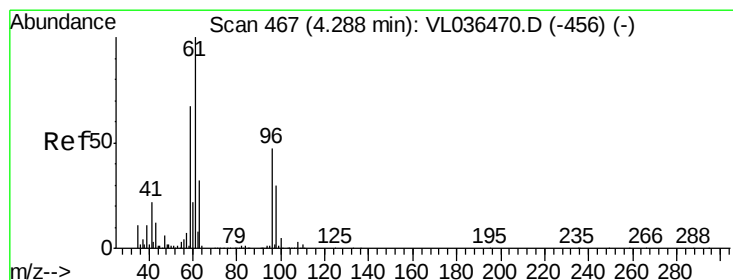
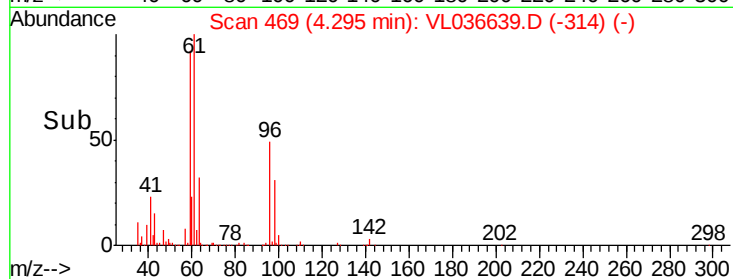
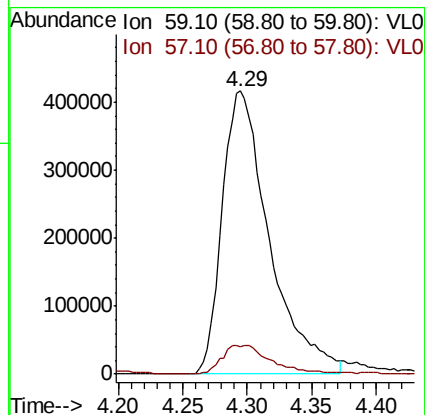
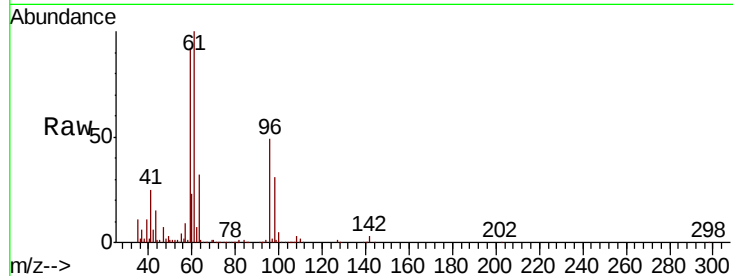


#17

tert-Butyl alcohol
 Concen: 10.116 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Instrument :
 MSVOA_L
 ClientSampled :

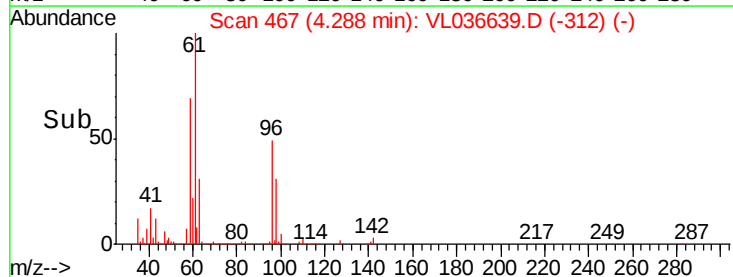
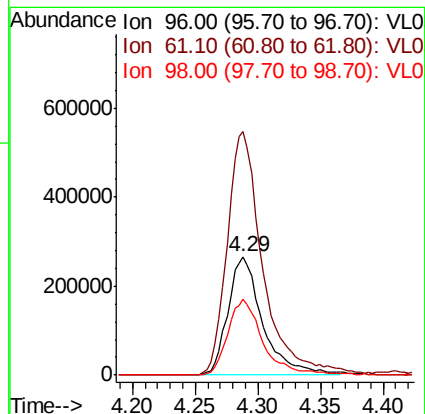
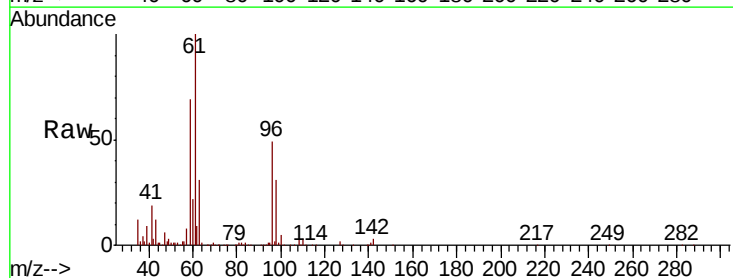
Tot Ion: 59 Resp: 1052148
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.6 12.8

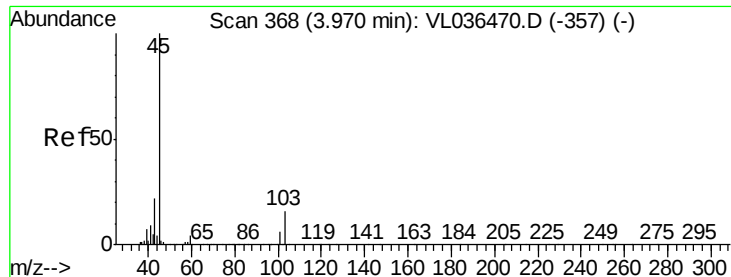


#18

1,1-Dichloroethene
 Concen: 8.908 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion: 96 Resp: 511194
 Ion Ratio Lower Upper
 96 100
 61 206.1 168.6 253.0
 98 63.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.140 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

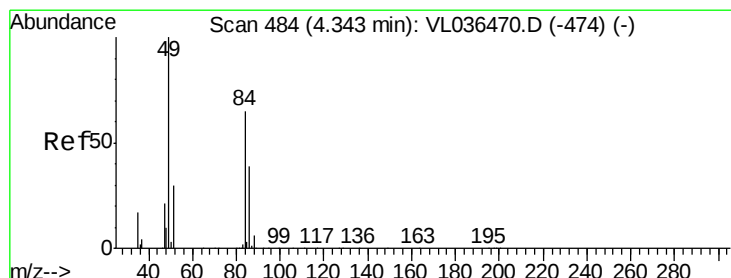
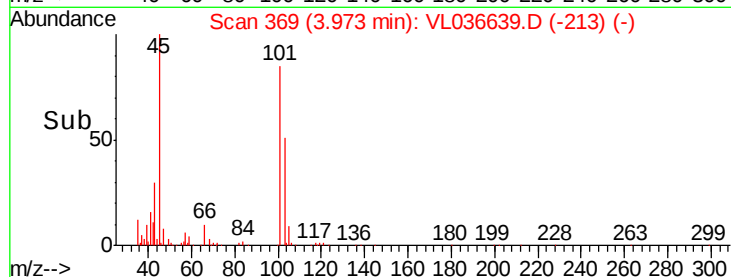
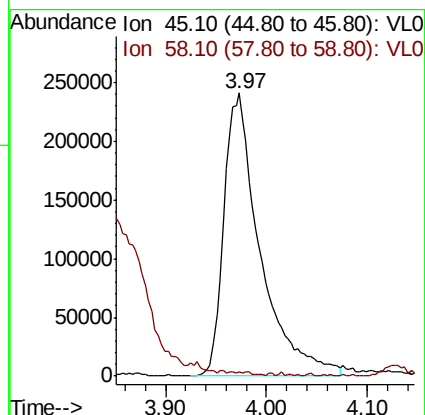
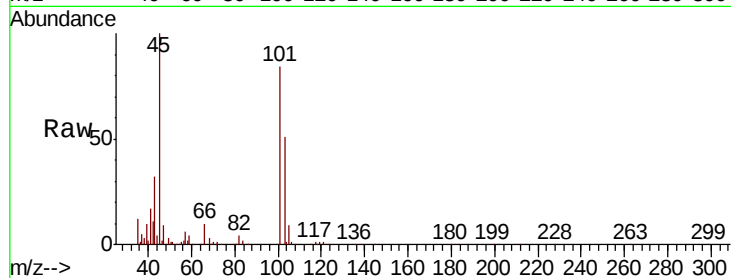
ClientSampleId :

Tot Ion: 45 Resp: 600707

Ion Ratio Lower Upper

45 100

58 63.9 2.9 4.3#



#20

Methylene Chloride

Concen: 8.027 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Tgt Ion: 84 Resp: 449054

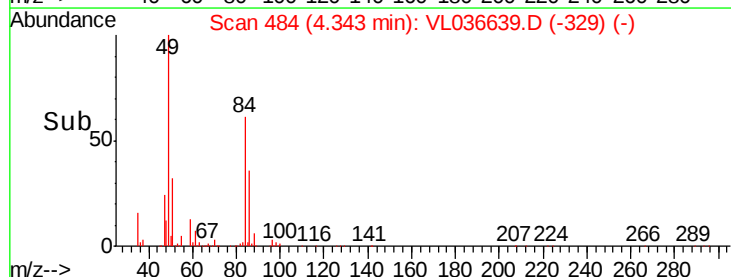
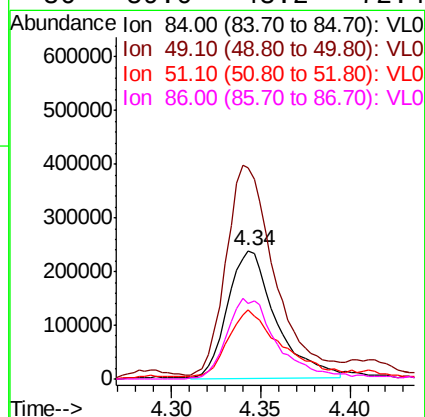
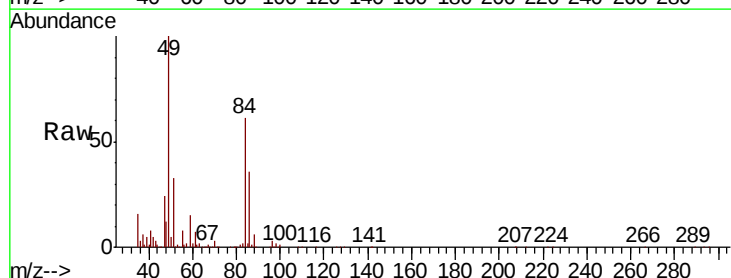
Ion Ratio Lower Upper

84 100

49 162.0 122.9 184.3

51 52.2 36.9 55.3

86 59.0 48.2 72.4





#21

Allvl Chloride

Concen: 9.132 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

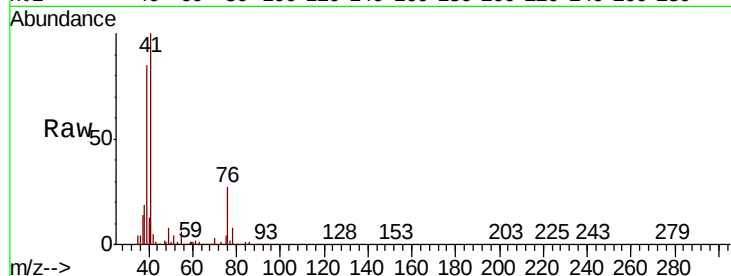
Tot Ion: 41 Resp: 869800

Ion Ratio Lower Upper

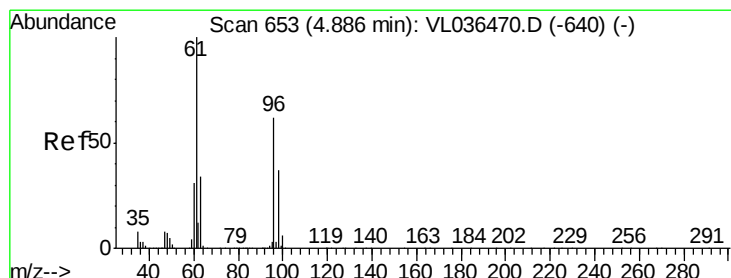
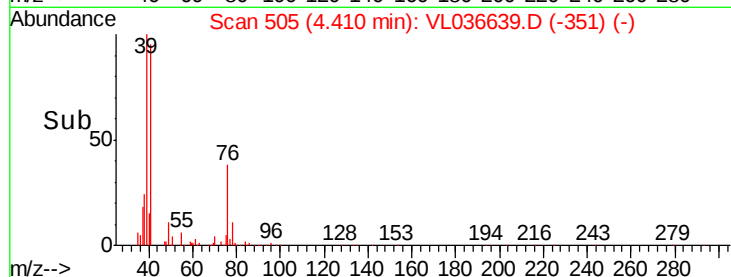
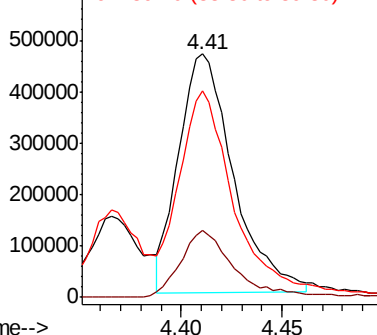
41 100

76 28.3 22.9 34.3

39 92.6 67.3 100.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.263 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

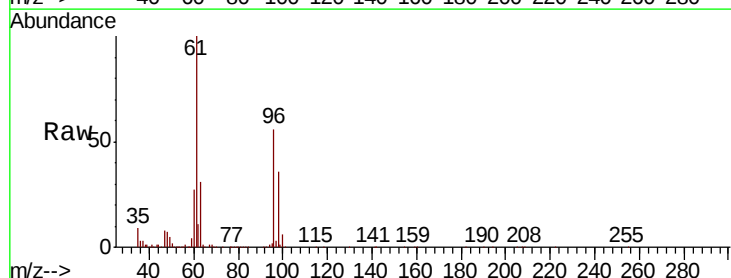
Tgt Ion: 96 Resp: 492793

Ion Ratio Lower Upper

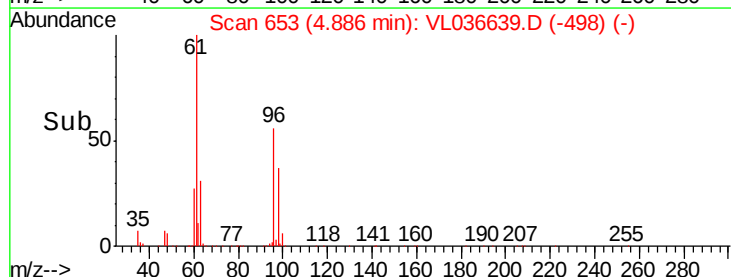
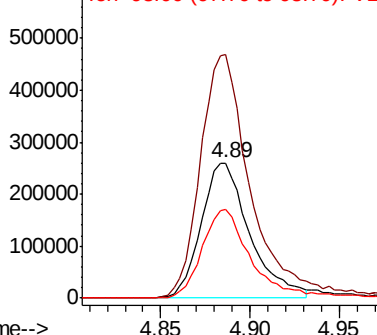
96 100

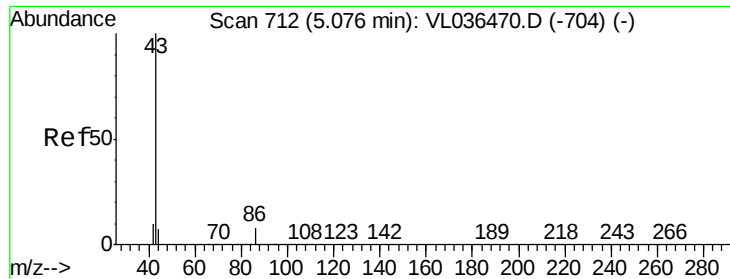
61 179.8 129.4 194.0

98 65.5 48.2 72.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 16.218 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

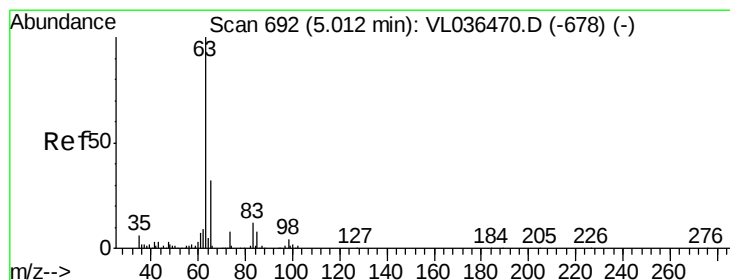
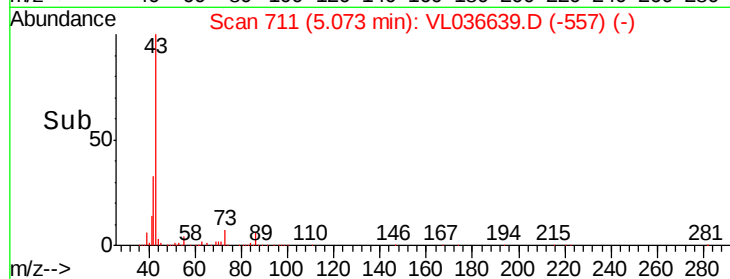
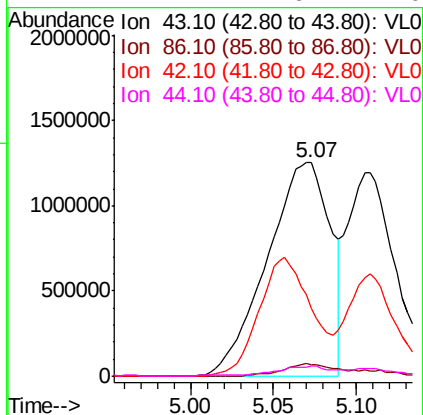
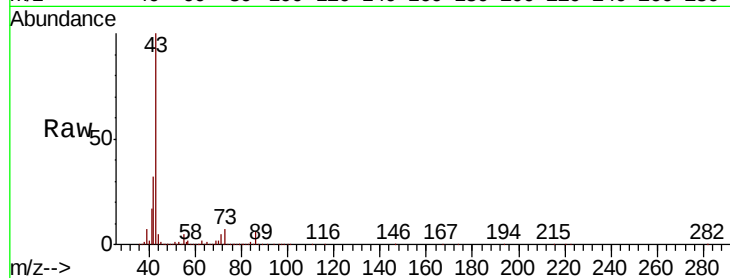
Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3314398

Ion	Ratio	Lower	Upper
43	100		
86	5.4	5.4	8.0
42	31.7	8.5	12.7#
44	4.4	4.6	7.0#



#24

1,1-Dichloroethane

Concen: 8.769 ppbv

RT: 5.01 min Scan# 691

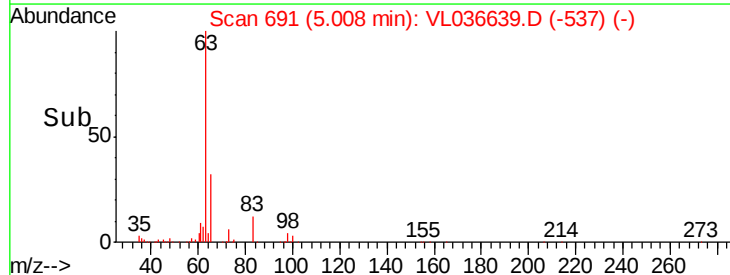
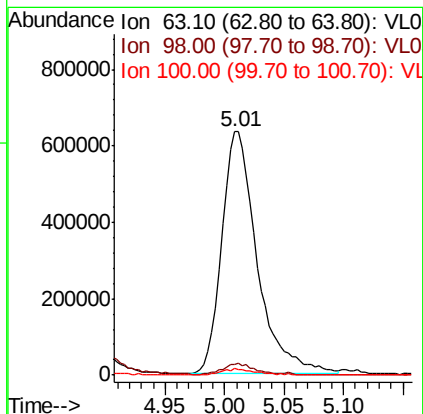
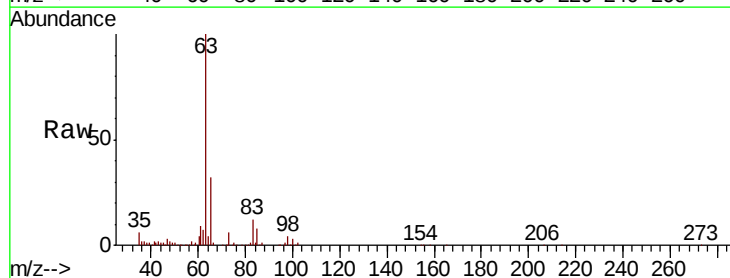
Delta R.T. -0.00 min

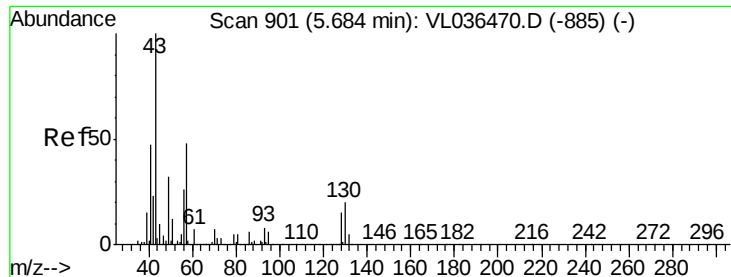
Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Tgt Ion: 63 Resp: 1306283

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	2.7	0.9	2.8





#25

Ethyl Acetate

Concen: 10.498 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

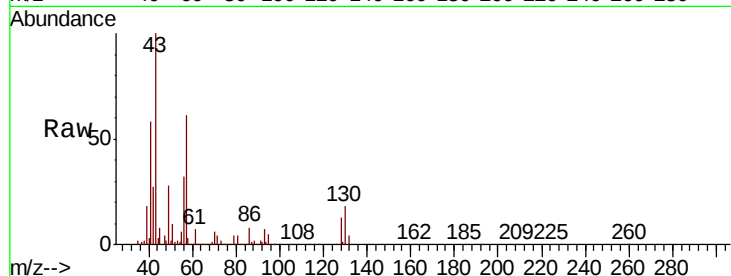
Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 2982098

Ion	Ratio	Lower	Upper
43	100		
45	7.9	7.9	11.9#
61	7.9	7.4	11.2
70	5.9	5.1	7.7



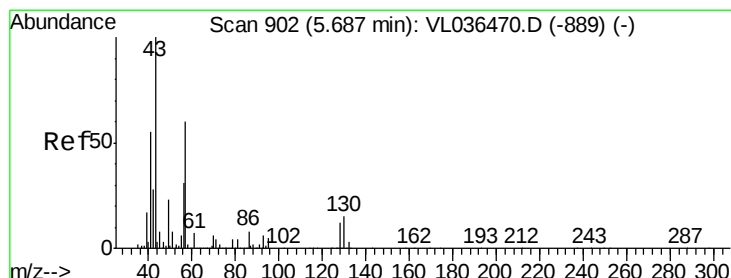
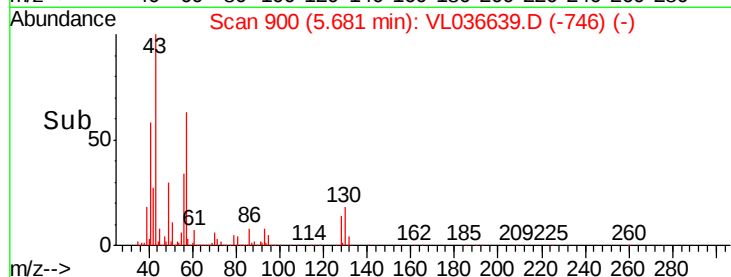
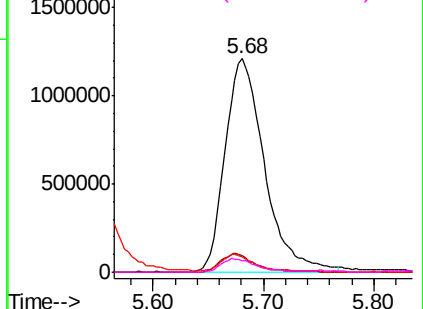
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 13.743 ppbv

RT: 5.69 min Scan# 902

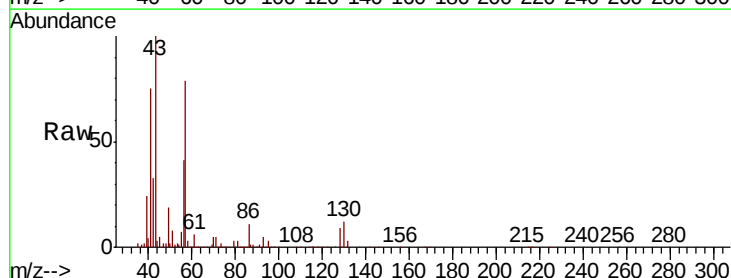
Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Tgt Ion: 57 Resp: 1811523

Ion	Ratio	Lower	Upper
57	100		
41	99.6	77.2	115.8
43	167.3	173.8	260.6#
56	53.6	43.8	65.6



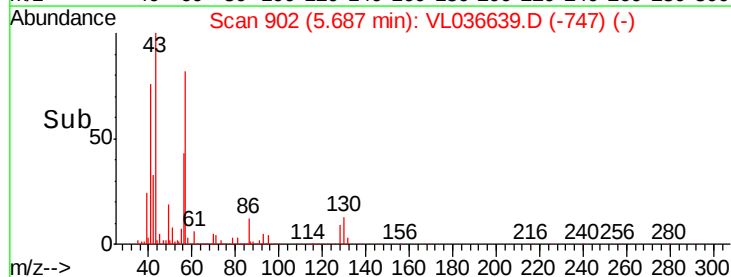
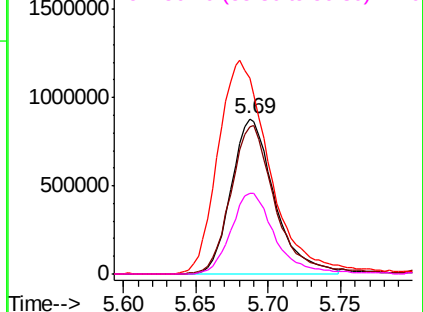
Abundance

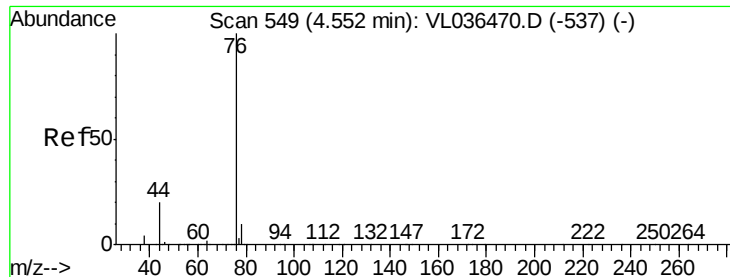
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.802 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

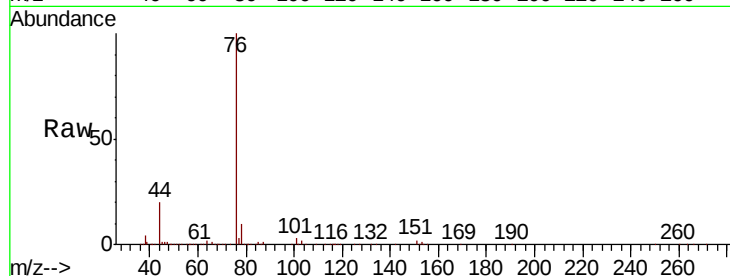
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1272842

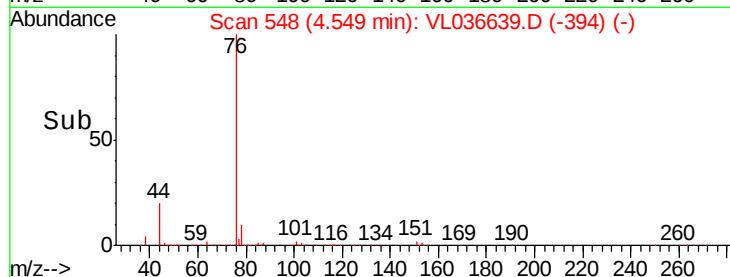
Ion	Ratio	Lower	Upper
76	100		
44	23.6	17.5	26.3
78	10.0	8.6	13.0



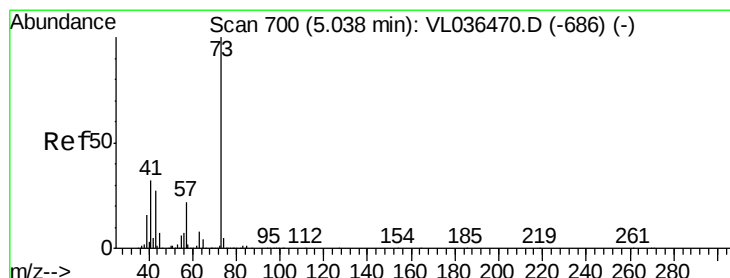
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 9.459 ppbv

RT: 5.04 min Scan# 700

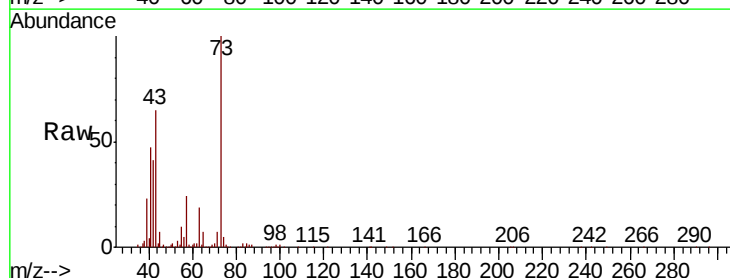
Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

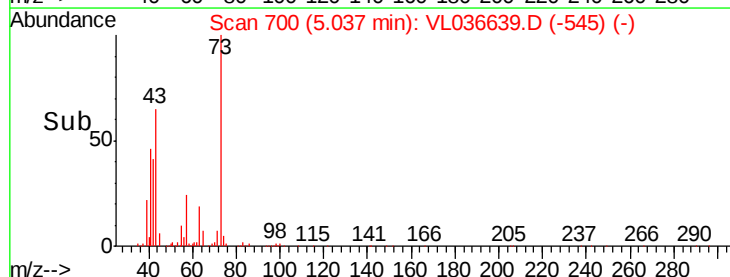
Tgt Ion: 73 Resp: 1470481

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.5	27.7

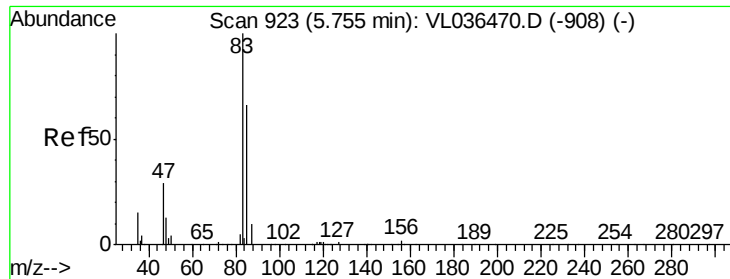


Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



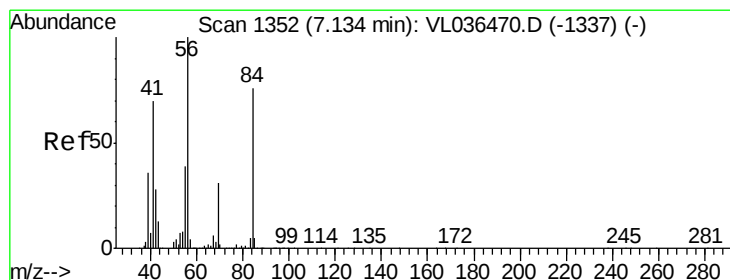
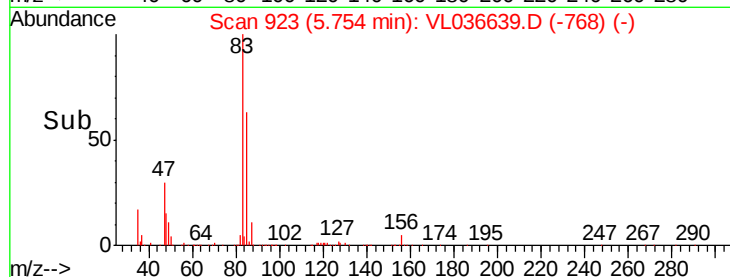
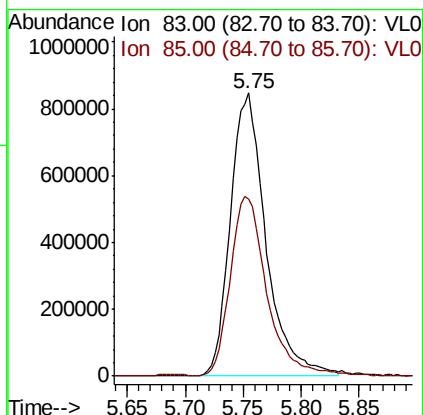
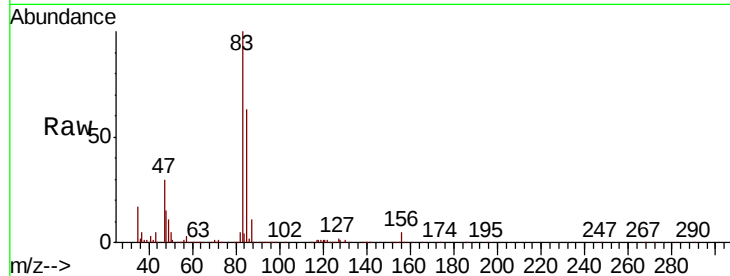
Time-->



#29
Chloroform
Concen: 8.514 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

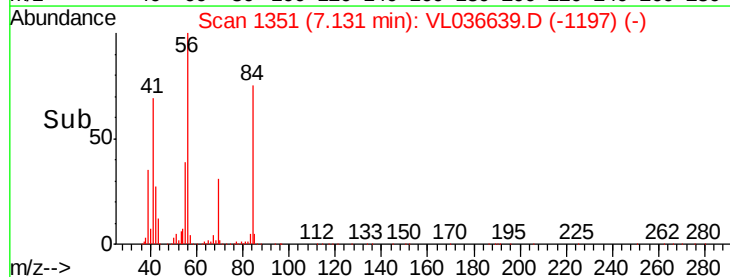
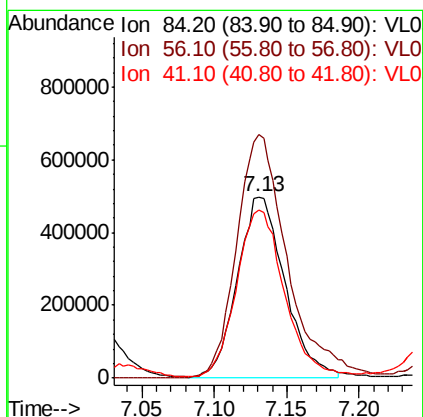
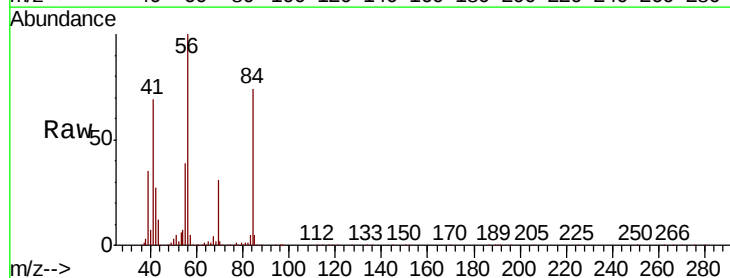
Instrument :
MSVOA_L
ClientSampleId :

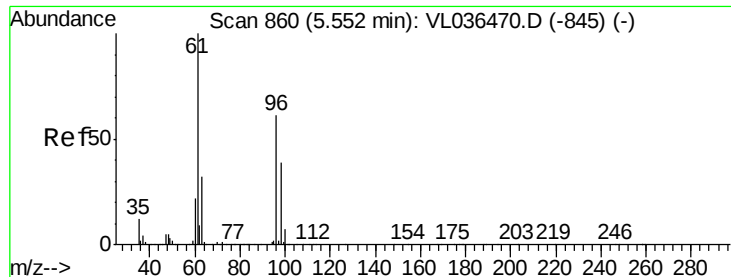
Tot Ion: 83 Resp: 1794795
Ion Ratio Lower Upper
83 100
85 62.6 52.6 78.8



#30
Cyclohexane
Concen: 10.589 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion: 84 Resp: 1132059
Ion Ratio Lower Upper
84 100
56 144.0 114.6 171.8
41 93.2 75.3 112.9



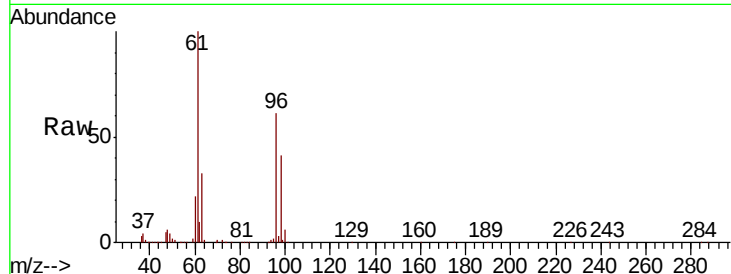


#31

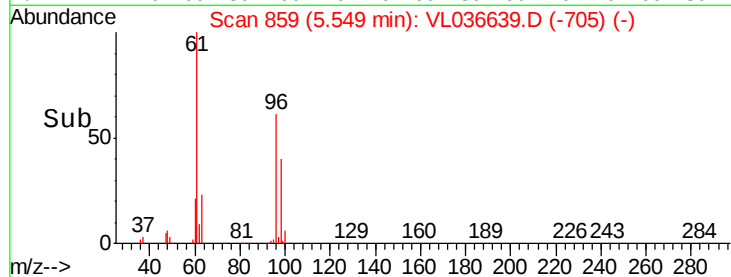
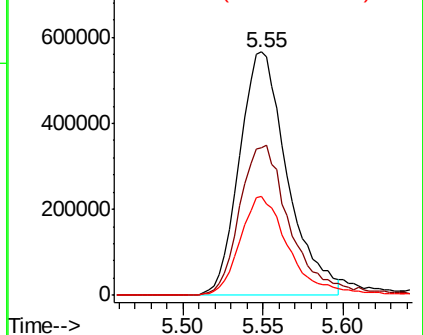
cis-1,2-Dichloroethene
Concen: 9.116 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1162213
Ion Ratio Lower Upper
61 100
96 60.7 48.7 73.1
98 40.5 31.4 47.0



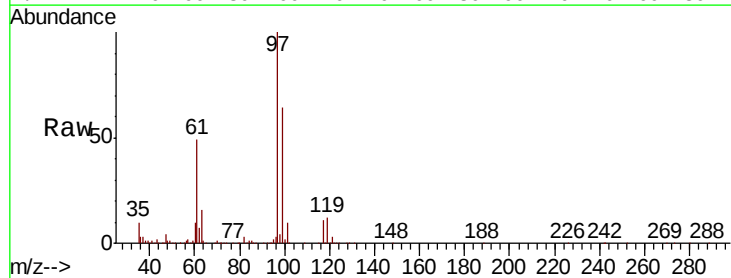
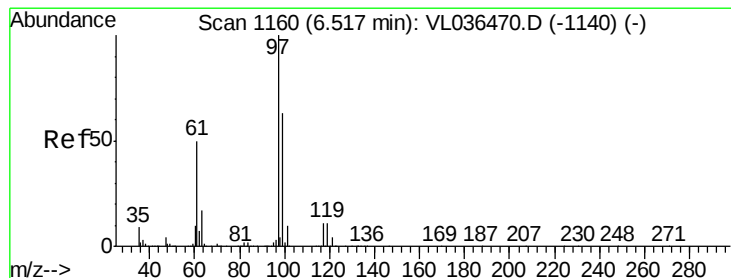
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



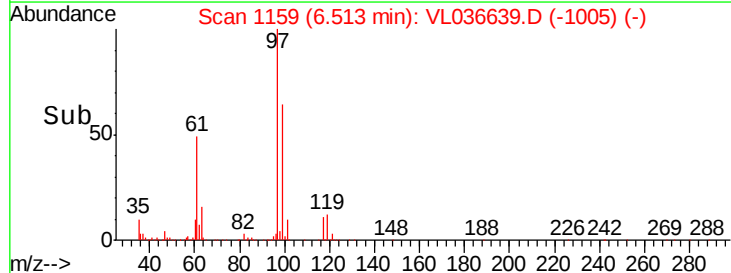
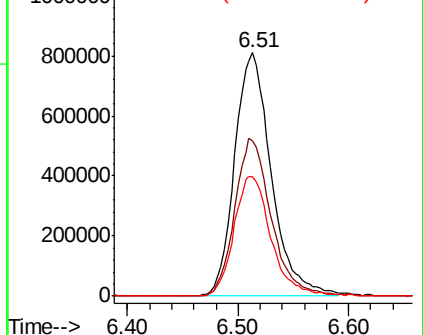
#32

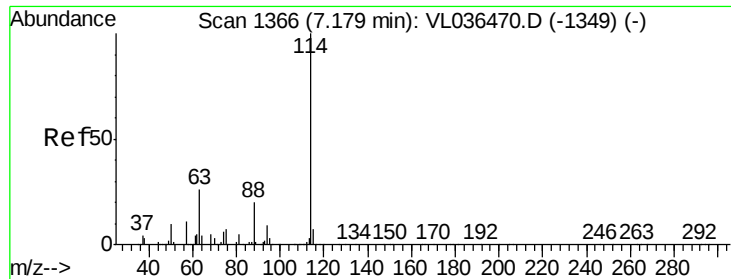
1,1,1-Trichloroethane
Concen: 8.792 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion: 97 Resp: 1867879
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 49.6 40.6 60.8



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

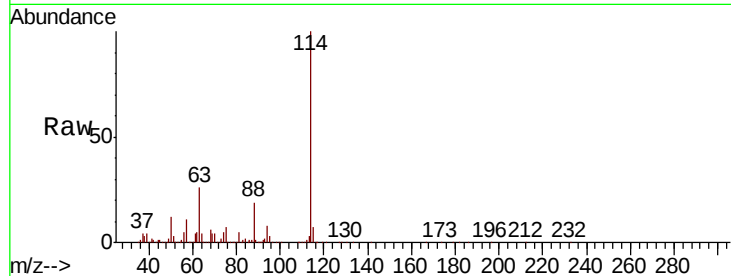




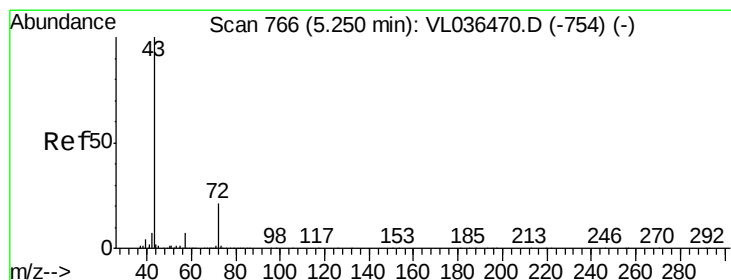
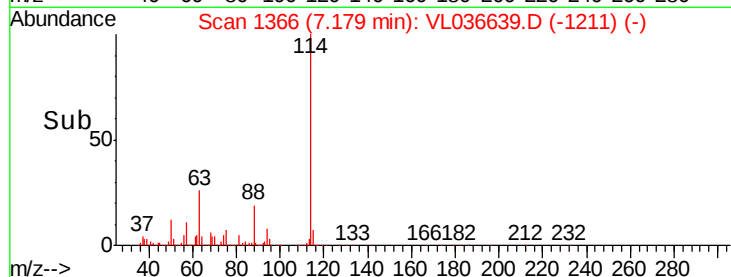
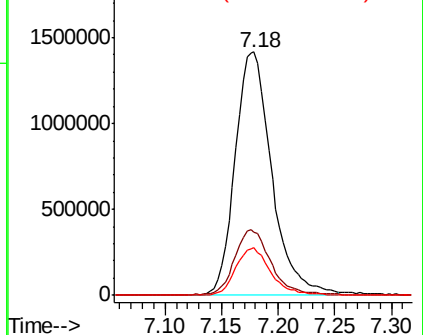
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3197571
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.4 33.6
 88 18.9 15.4 23.0

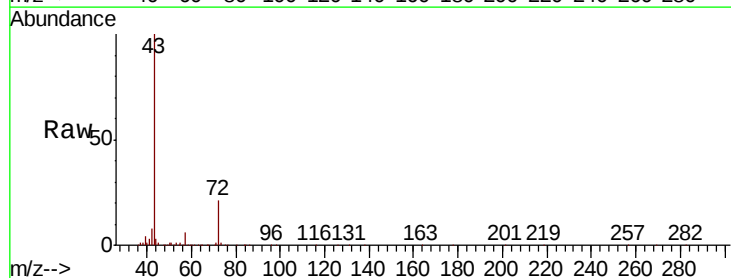


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

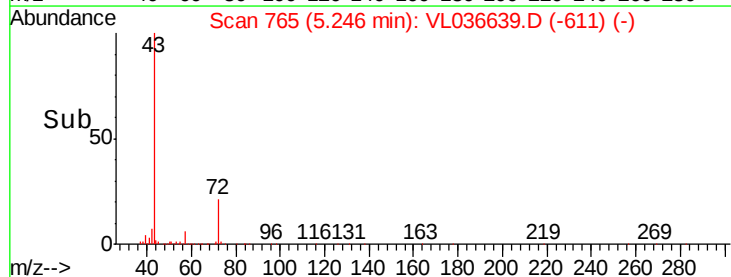
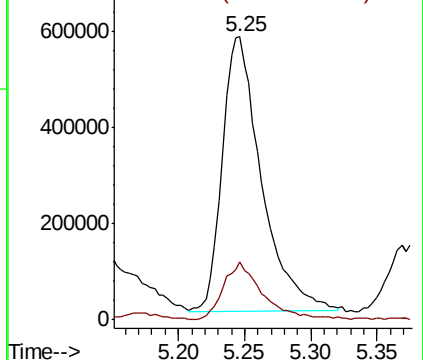


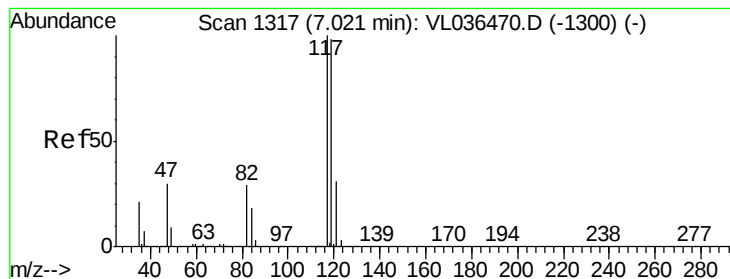
#34
 2-Butanone
 Concen: 7.476 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion: 43 Resp: 1166929
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 7.918 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampled :

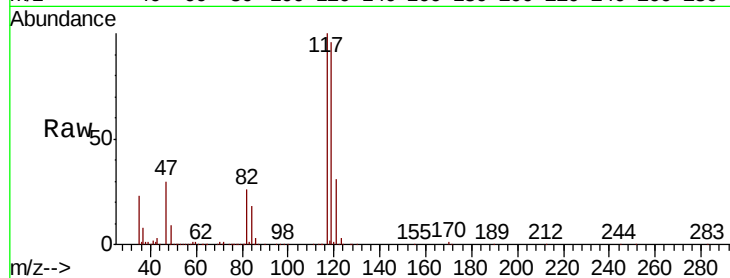
Tot Ion:117 Resp: 1944725

Ion Ratio Lower Upper

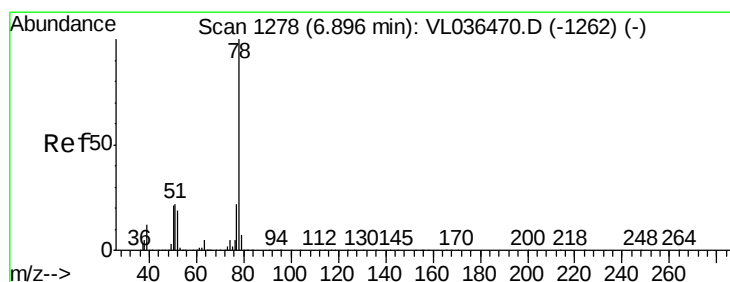
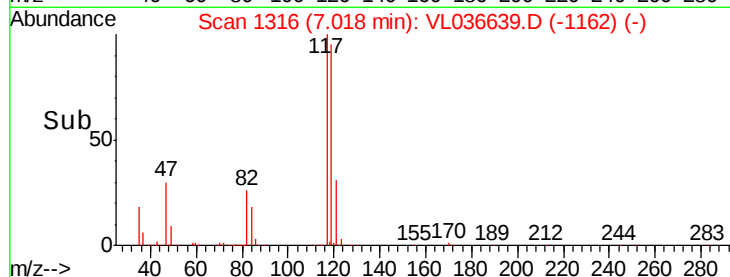
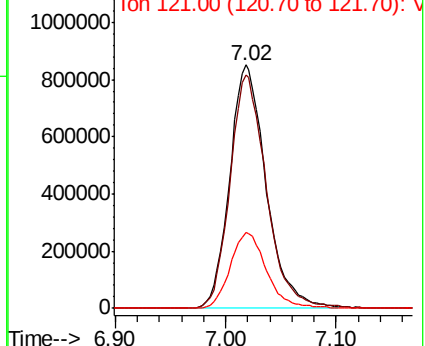
117 100

119 95.9 78.2 117.2

121 30.9 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.867 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

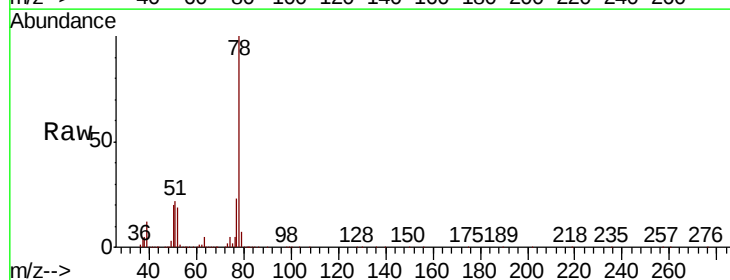
Tgt Ion: 78 Resp: 2614982

Ion Ratio Lower Upper

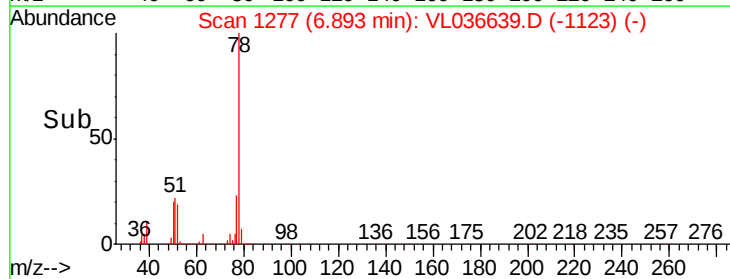
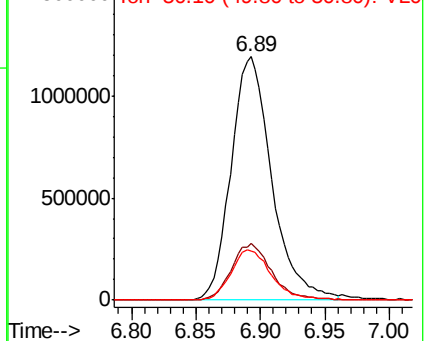
78 100

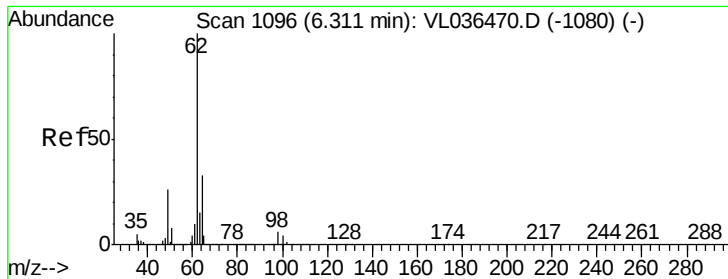
77 23.1 18.0 27.0

50 19.9 16.5 24.7



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





#37

1,2-Dichloroethane

Concen: 7.938 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

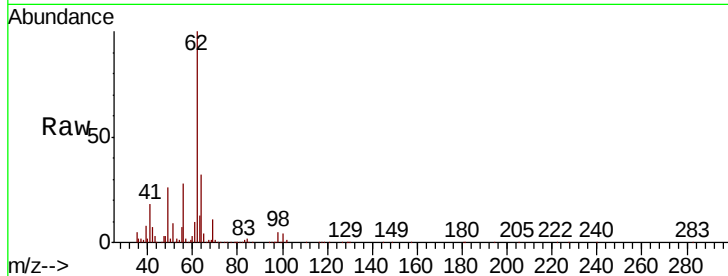
ClientSampleId :

Tot Ion: 62 Resp: 1377741

Ion Ratio Lower Upper

62 100

98 6.0 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

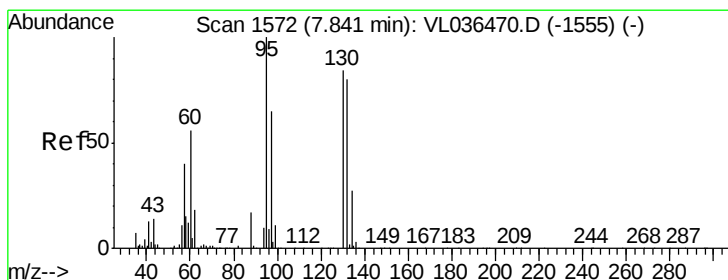
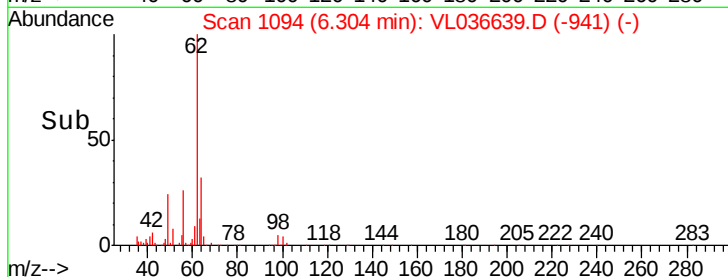
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 8.166 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Tgt Ion: 130 Resp: 937242

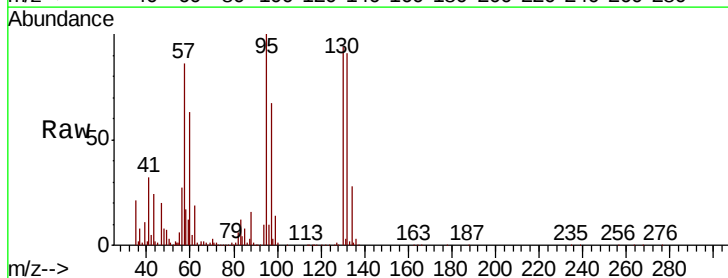
Ion Ratio Lower Upper

130 100

95 106.4 95.7 143.5

132 96.7 76.2 114.4

97 71.4 61.8 92.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

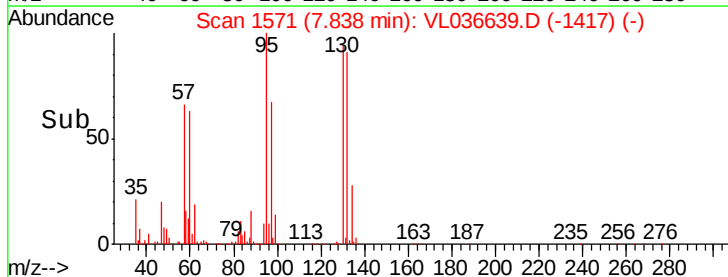
600000

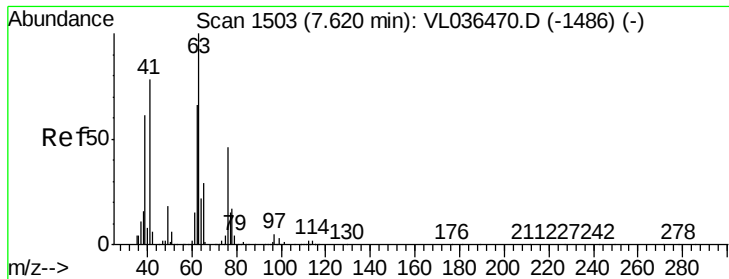
400000

200000

0

Time--> 7.80 7.84 7.88 7.92

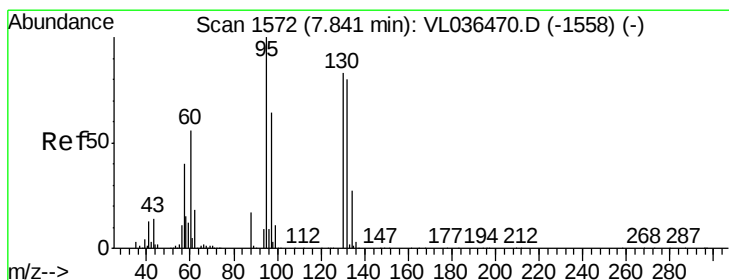
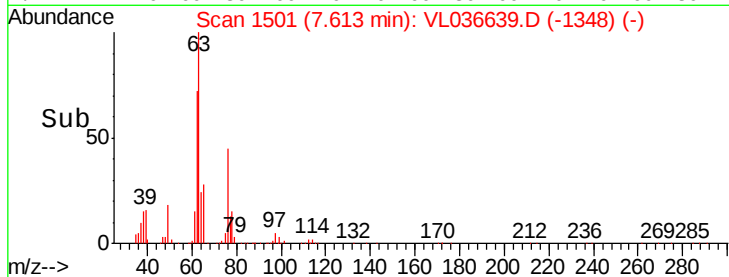
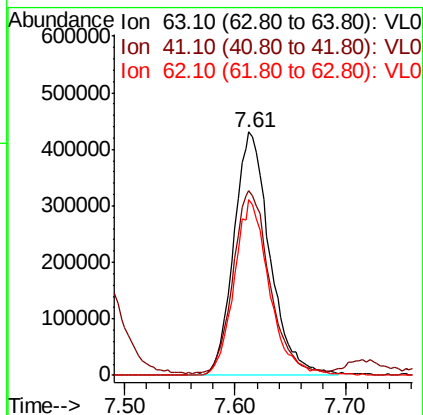
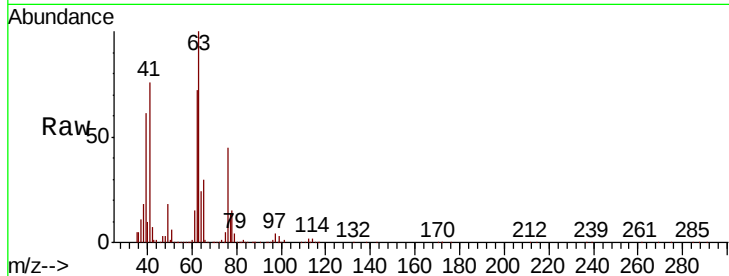




#39
 1,2-Dichloropropane
 Concen: 8.126 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

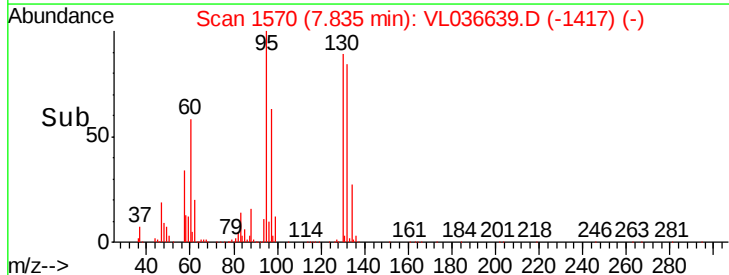
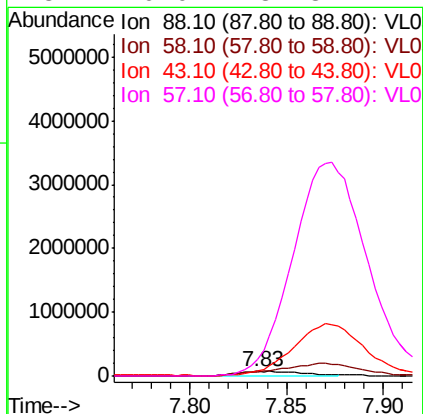
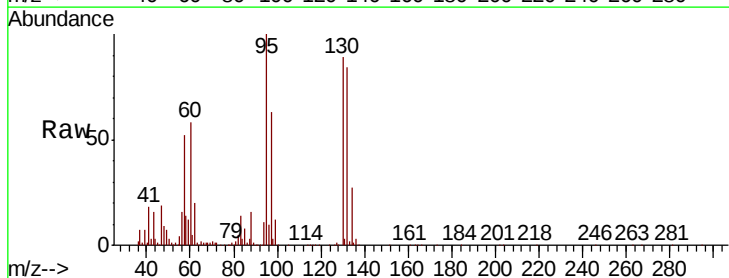
Instrument :
 MSVOA_L
 ClientSampleId :

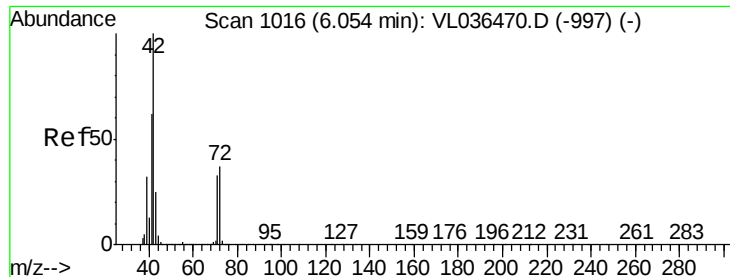
Tot Ion: 63 Resp: 972146
 Ion Ratio Lower Upper
 63 100
 41 74.6 62.4 93.6
 62 72.4 52.8 79.2



#40
 1,4-Dioxane
 Concen: 6.321 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion: 88 Resp: 175979
 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#

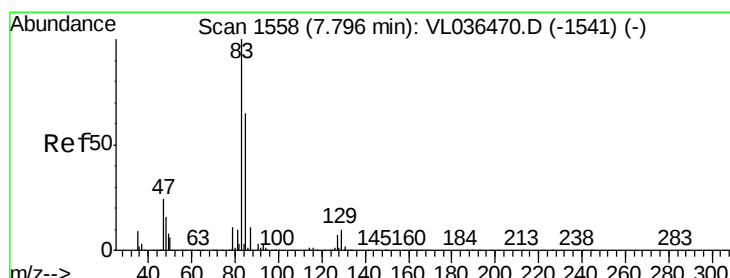
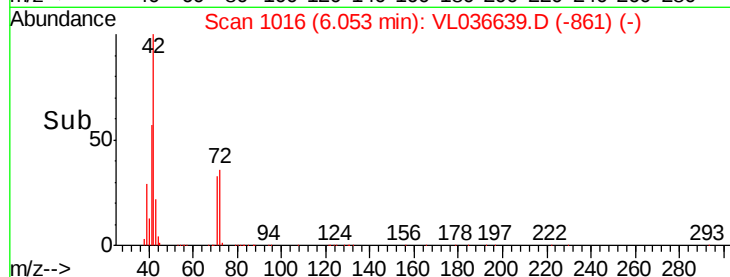
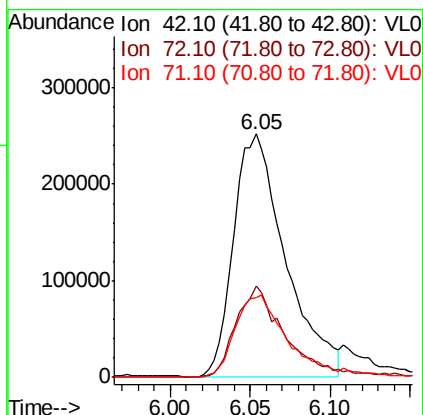
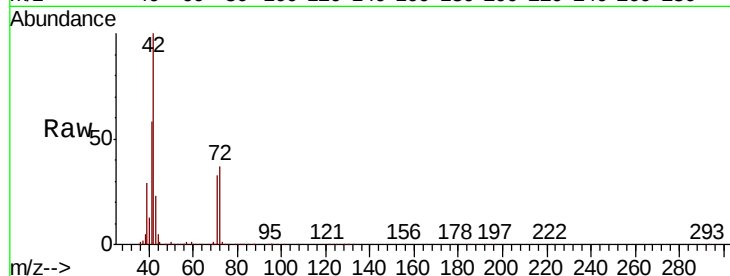




#41
Tetrahydrofuran
Concen: 7.761 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

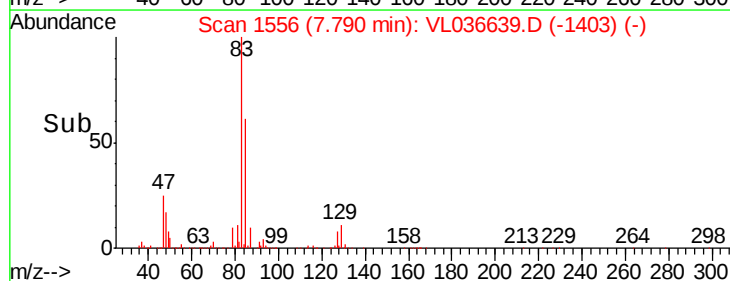
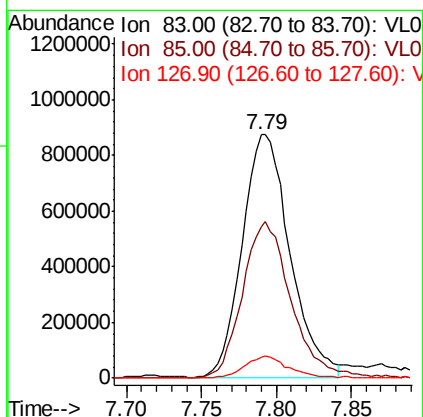
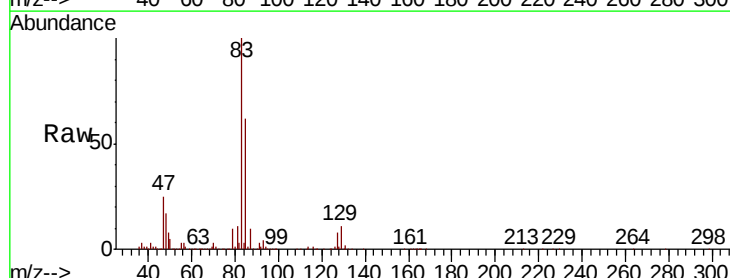
Instrument :
MSVOA_L
ClientSampleId :

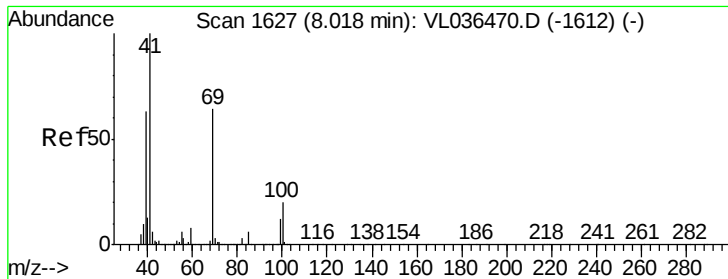
Tot Ion: 42 Resp: 558531
Ion Ratio Lower Upper
42 100
72 37.0 27.6 41.4
71 35.6 27.0 40.4



#42
Bromodichloromethane
Concen: 8.200 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion: 83 Resp: 1935879
Ion Ratio Lower Upper
83 100
85 62.1 51.8 77.6
127 8.4 5.8 8.8

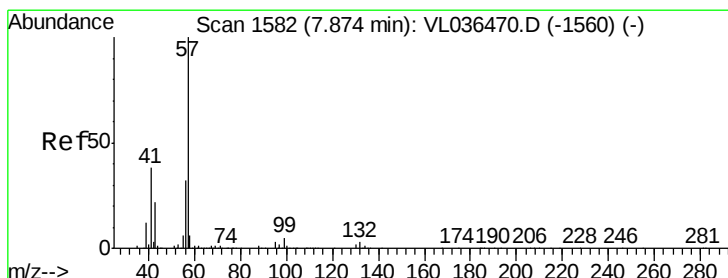
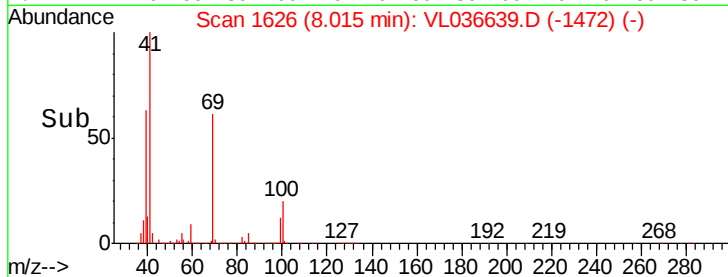
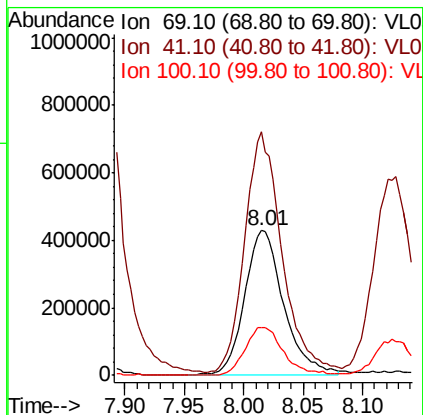
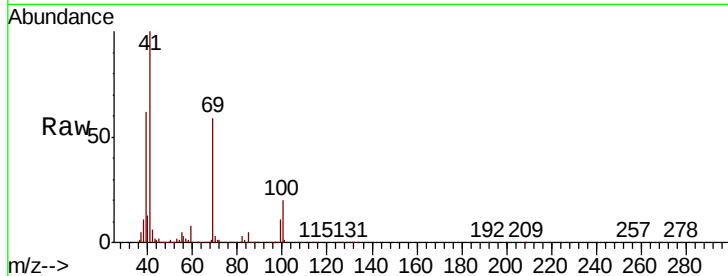




#43
Methvl Methacrilate
Concen: 9.813 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

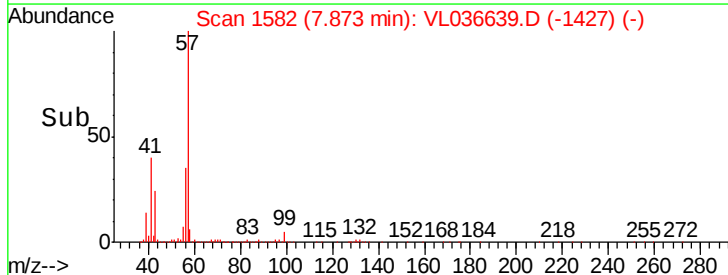
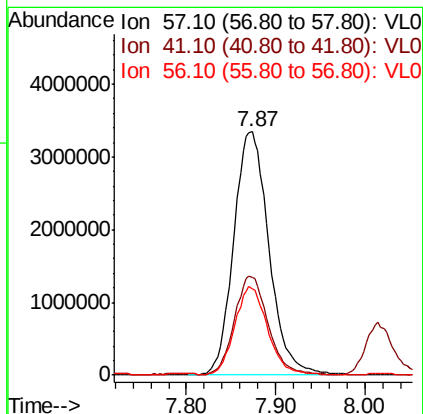
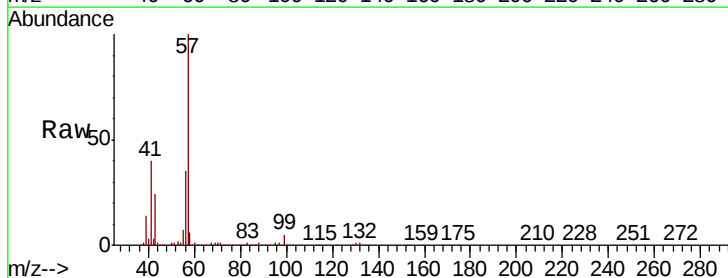
Instrument :
MSVOA_L
ClientSampled :

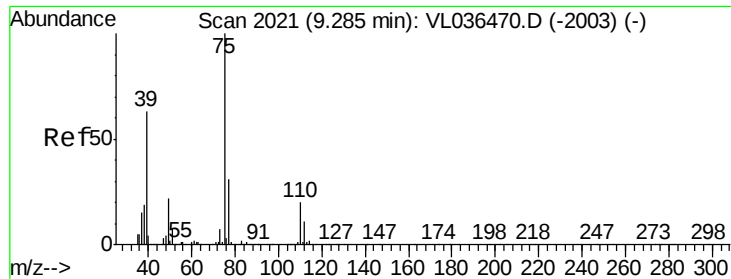
Tot Ion: 69 Resp: 971728
Ion Ratio Lower Upper
69 100
41 160.5 126.8 190.2
100 33.0 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 17.595 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion: 57 Resp: 9132084
Ion Ratio Lower Upper
57 100
41 38.3 28.8 43.2
56 33.6 26.1 39.1

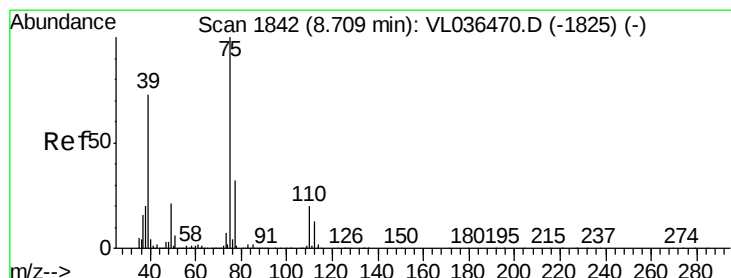
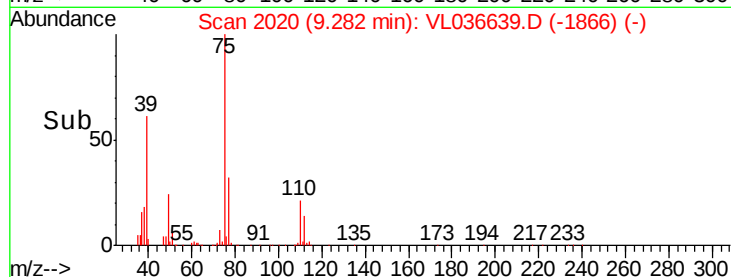
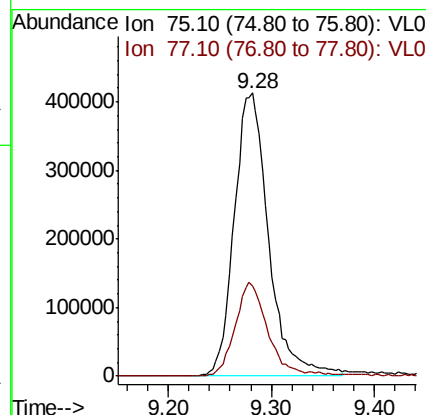
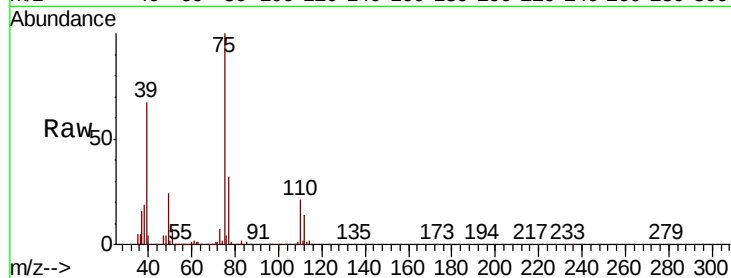




#45
t-1,3-Dichloropropene
Concen: 8.462 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

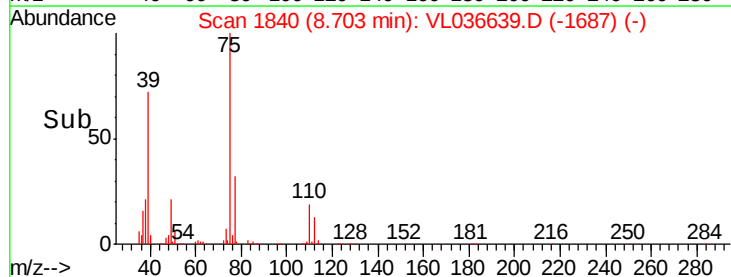
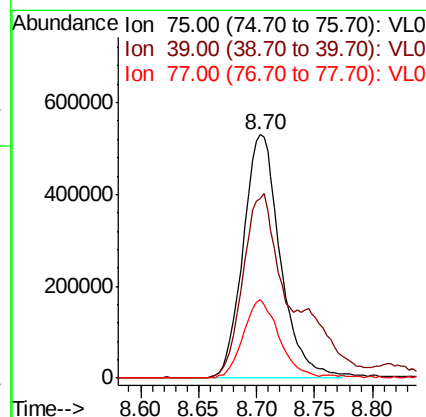
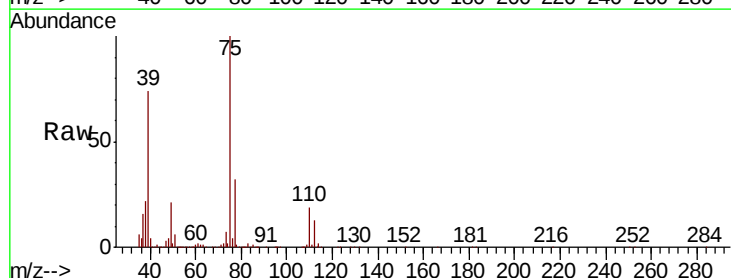
Instrument :
MSVOA_L
ClientSampleId :

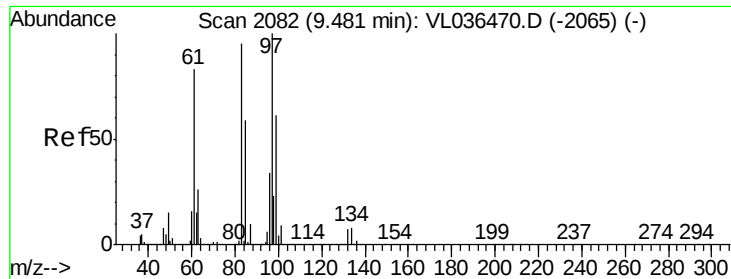
Tot Ion: 75 Resp: 956839
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 8.168 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion: 75 Resp: 1180675
Ion Ratio Lower Upper
75 100
39 73.4 58.2 87.2
77 32.3 25.2 37.8

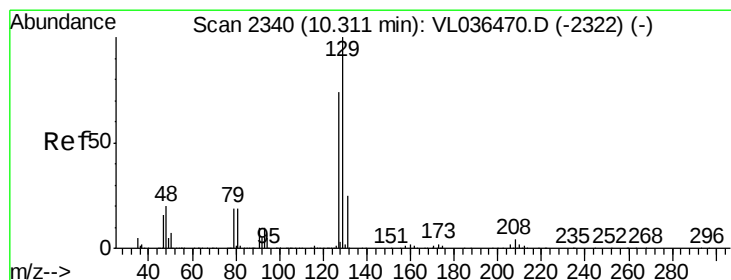
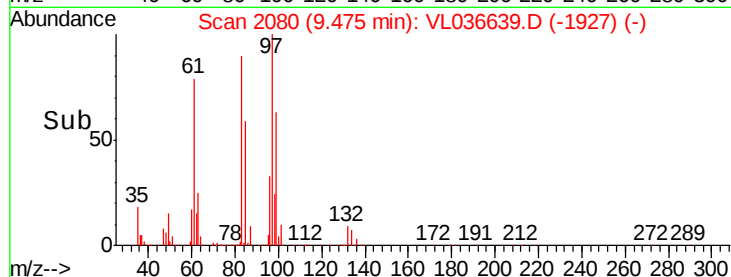
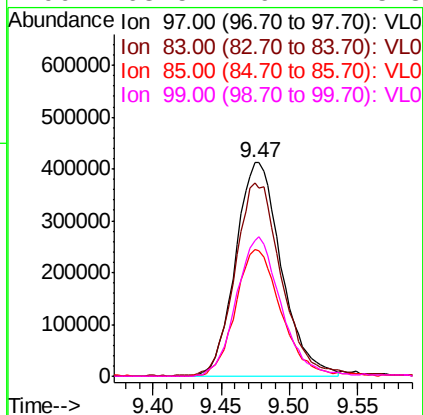
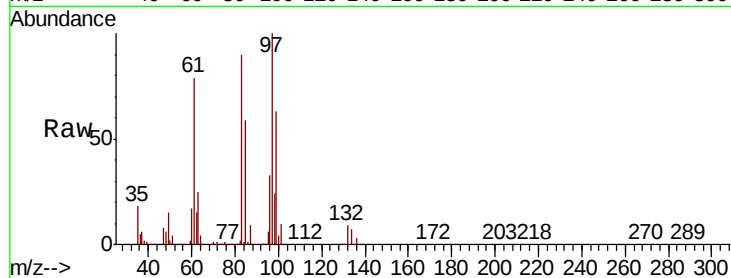




#47
 1,1,2-Trichloroethane
 Concen: 7.886 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

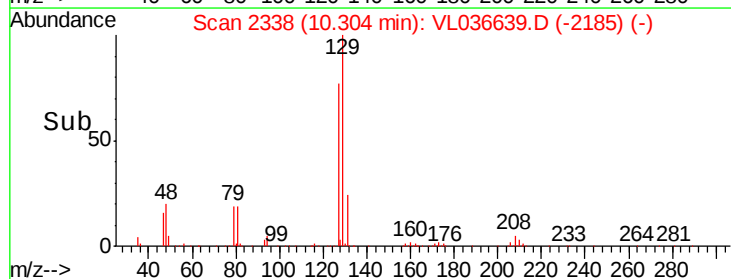
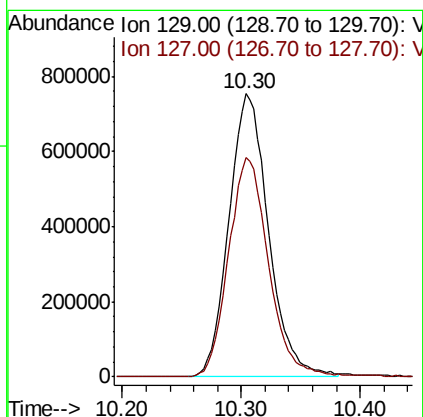
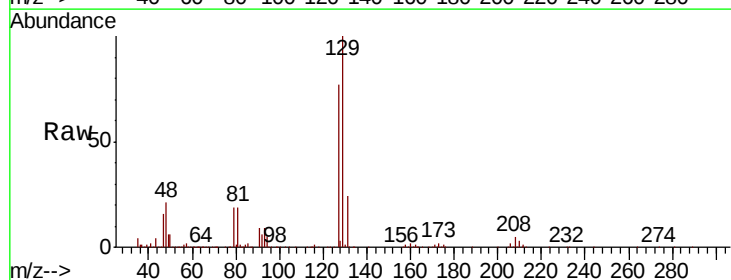
Instrument :
 MSVOA_L
 ClientSampleId :

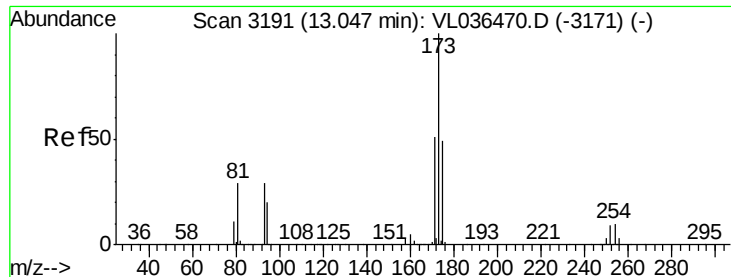
Tot Ion:	97	Resp:	955490
Ion	Ratio	Lower	Upper
97	100		
83	90.2	75.8	113.8
85	59.4	47.1	70.7
99	63.5	49.2	73.8



#48
 Dibromochloromethane
 Concen: 9.376 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion:	129	Resp:	1731788
Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.6	118.8





#49

Bromoform

Concen: 10.393 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

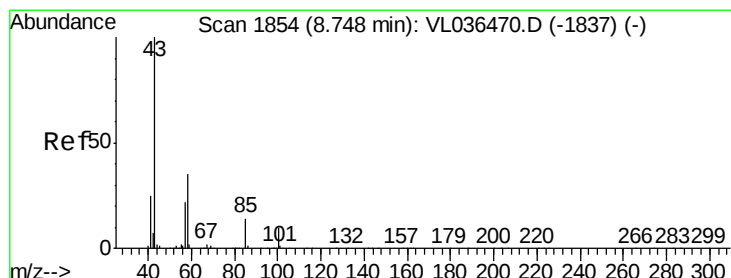
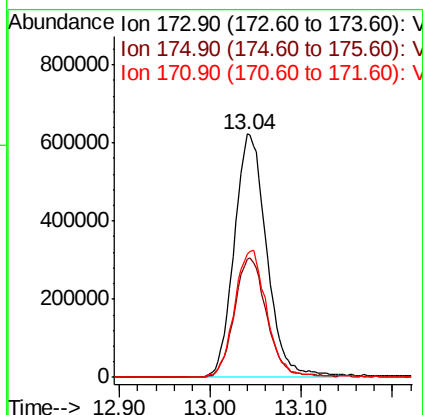
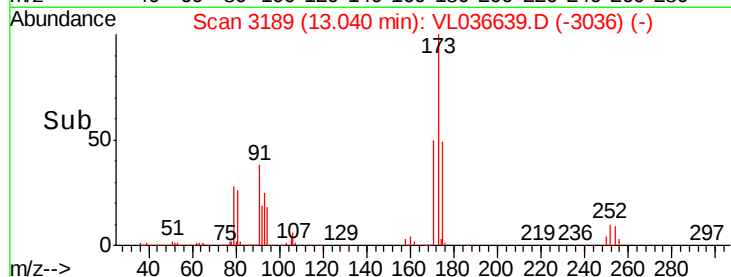
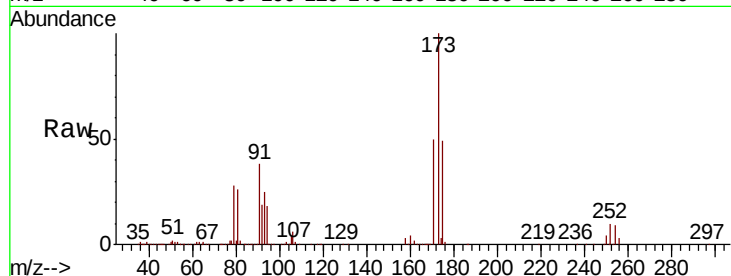
Tot Ion:173 Resp: 1546763

Ion Ratio Lower Upper

173 100

175 50.3 39.6 59.4

171 53.0 41.4 62.0



#50

4-Methyl-2-Pentanone

Concen: 8.297 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL036639.D

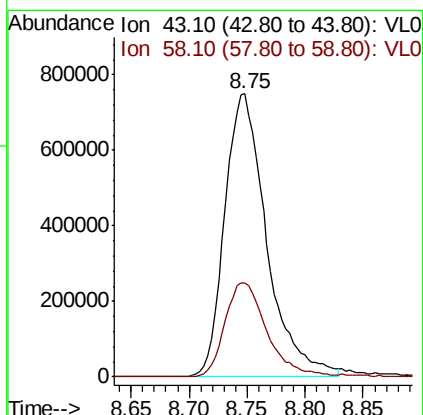
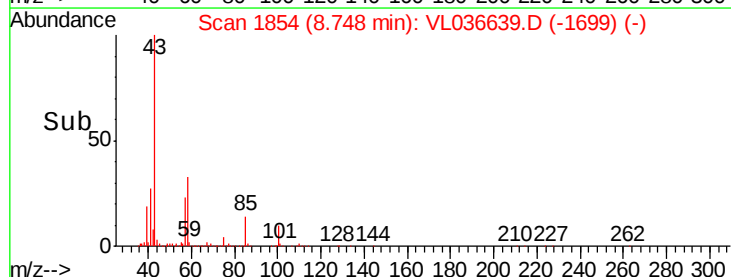
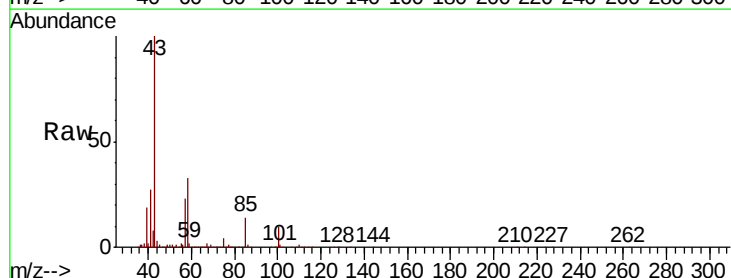
Acq: 1 Apr 2021 21:59

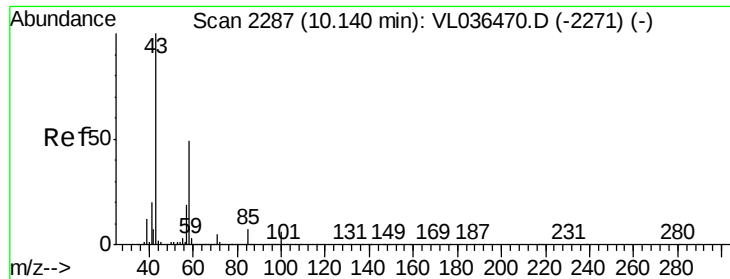
Tgt Ion: 43 Resp: 1873758

Ion Ratio Lower Upper

43 100

58 34.2 28.2 42.2

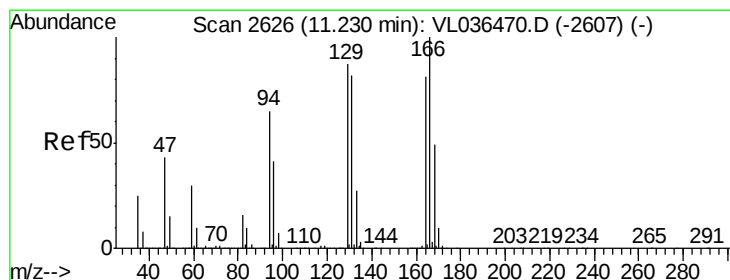
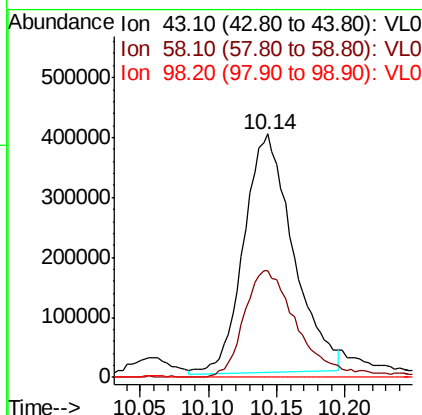
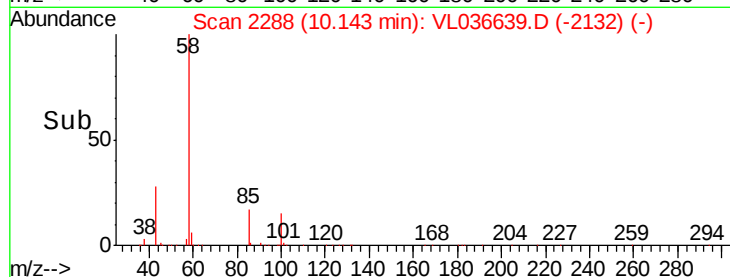
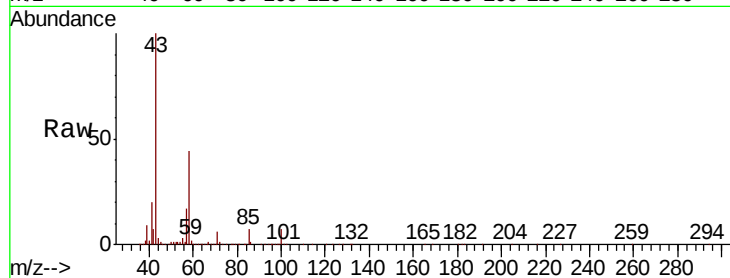




#51
2-Hexanone
Concen: 8.800 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

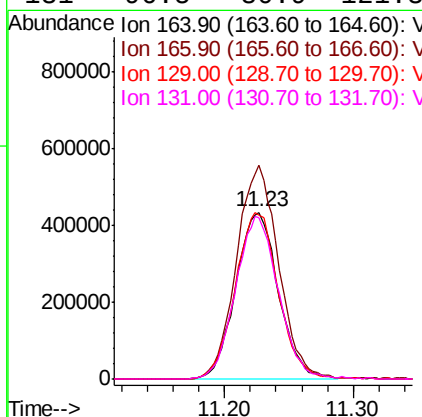
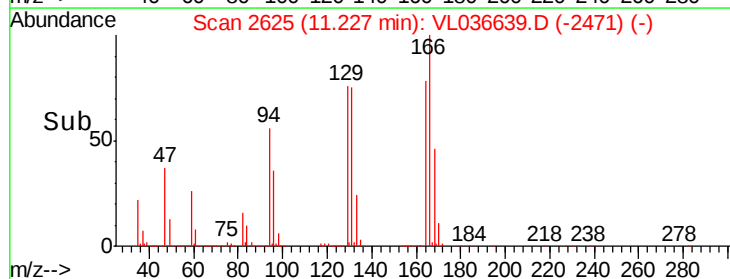
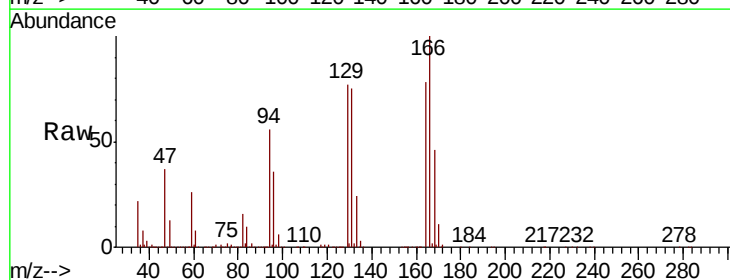
Instrument :
MSVOA_L
ClientSampleId :

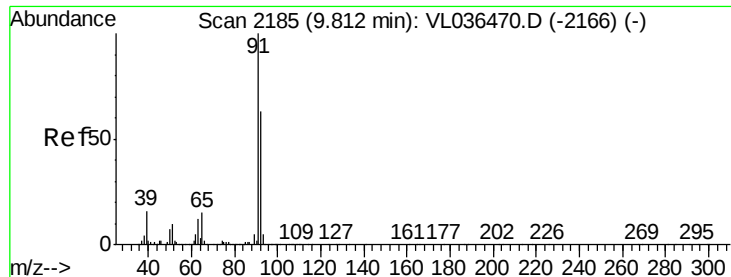
Tot Ion: 43 Resp: 1002933
Ion Ratio Lower Upper
43 100
58 48.9 37.7 56.5
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.128 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion:164 Resp: 991257
Ion Ratio Lower Upper
164 100
166 127.9 98.3 147.5
129 98.0 85.8 128.8
131 96.5 80.9 121.3





#53

Toluene

Concen: 9.013 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

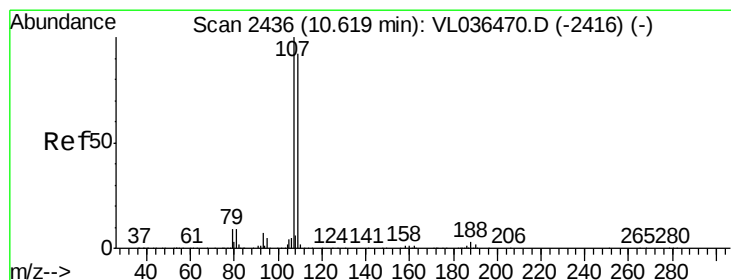
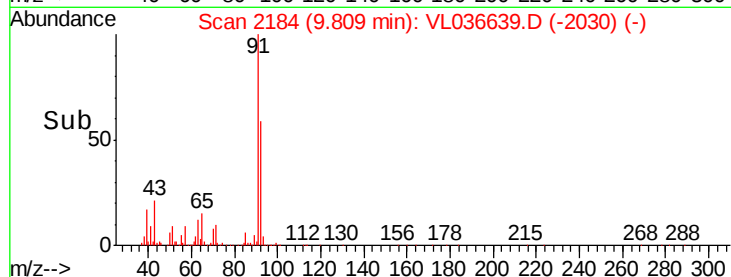
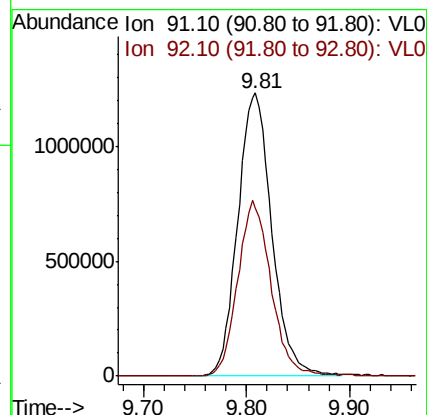
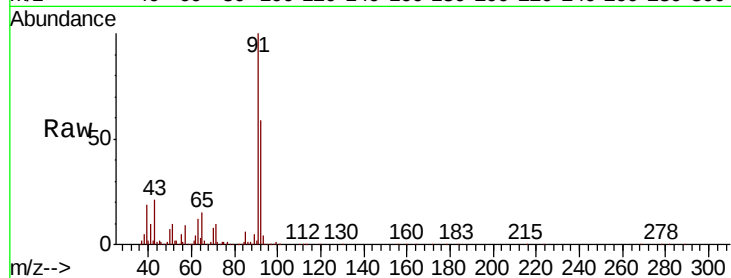
ClientSampleId :

Tot Ion: 91 Resp: 2830499

Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.310 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL036639.D

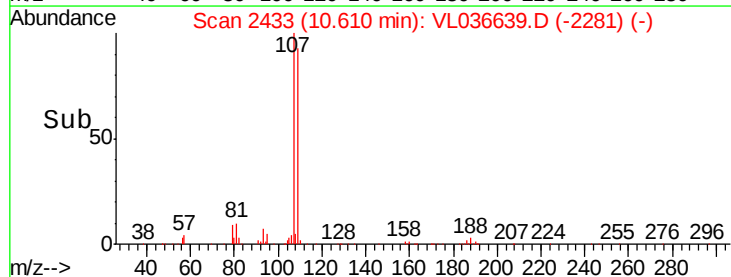
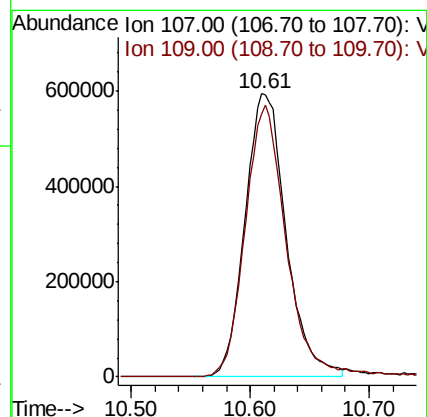
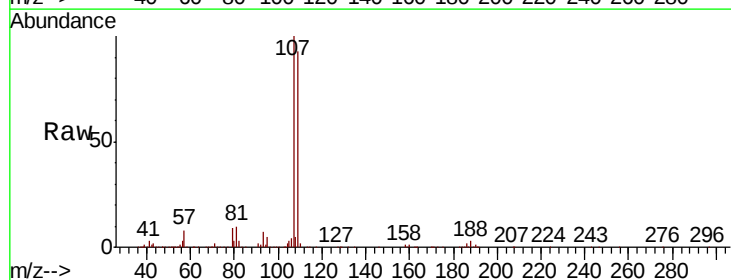
Acq: 1 Apr 2021 21:59

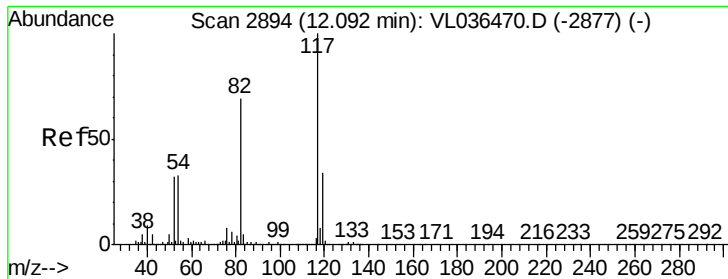
Tgt Ion:107 Resp: 1422027

Ion Ratio Lower Upper

107 100

109 92.8 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

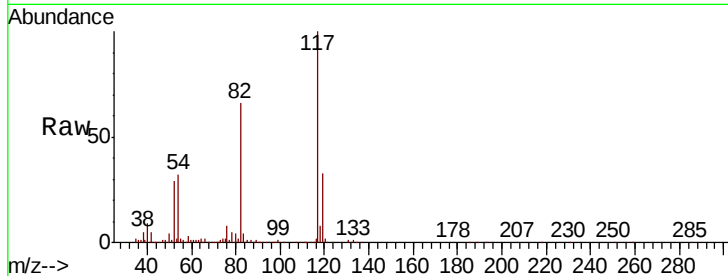
Tot Ion:117 Resp: 3608514

Ion Ratio Lower Upper

117 100

82 53.8 57.4 86.0#

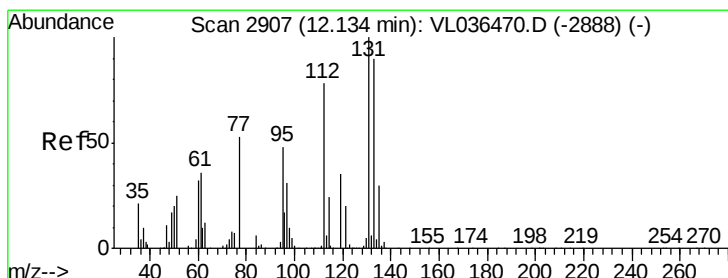
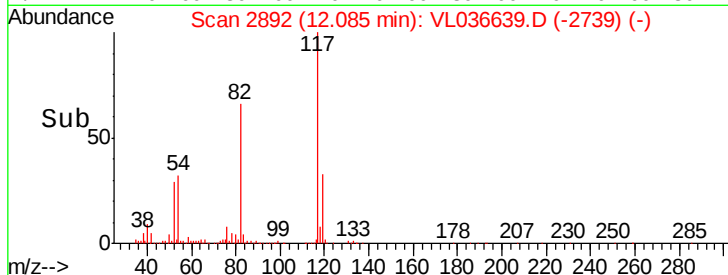
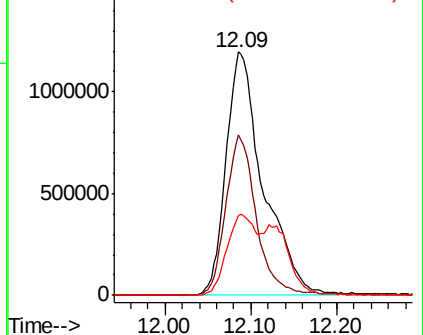
119 47.4 47.4 71.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.389 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

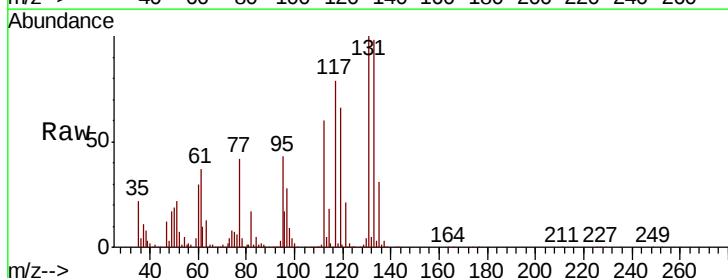
Tgt Ion:131 Resp: 1205940

Ion Ratio Lower Upper

131 100

133 97.6 75.8 113.6

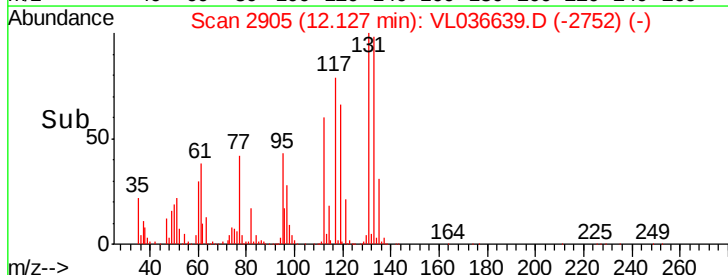
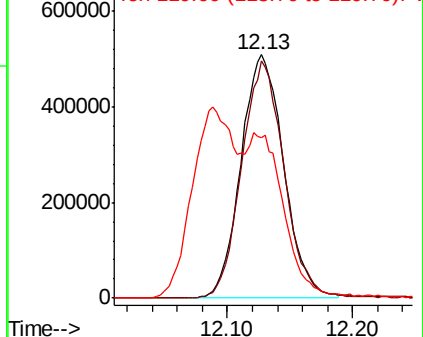
119 142.0 48.7 73.1#

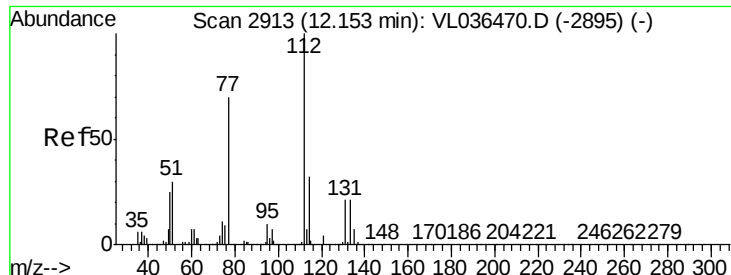


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.800 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampled :

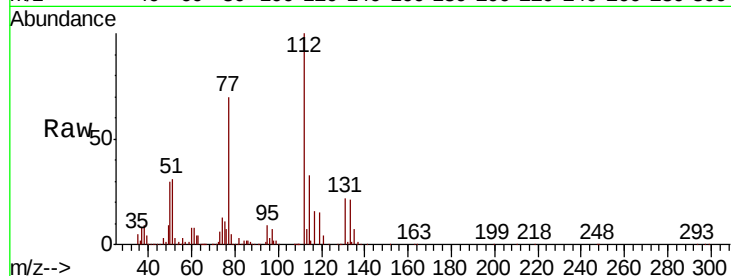
Tot Ion: 112 Resp: 2087885

Ion Ratio Lower Upper

112 100

77 68.7 56.0 84.0

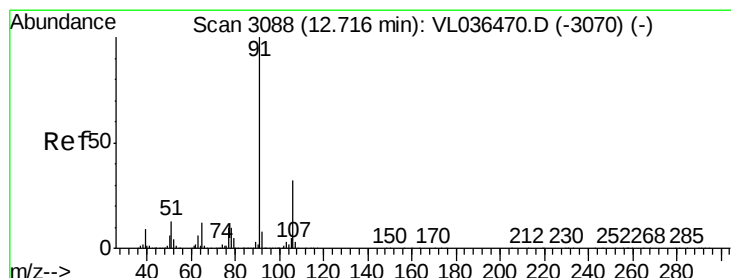
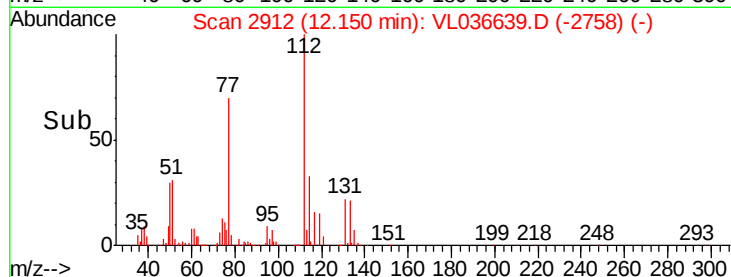
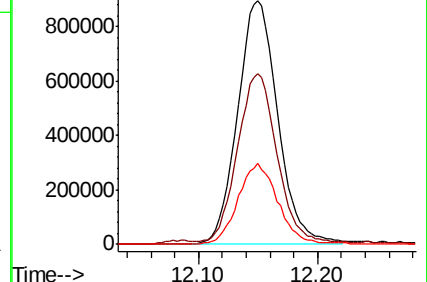
114 33.4 29.0 35.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.349 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL036639.D

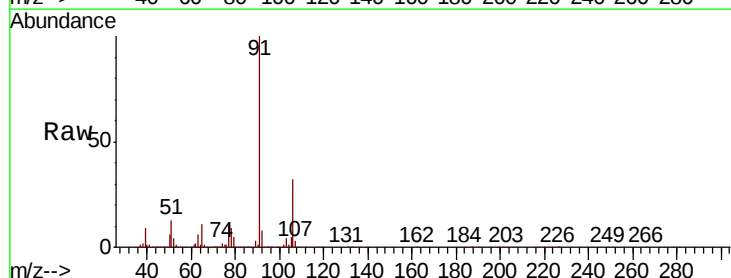
Acq: 1 Apr 2021 21:59

Tgt Ion: 91 Resp: 3858079

Ion Ratio Lower Upper

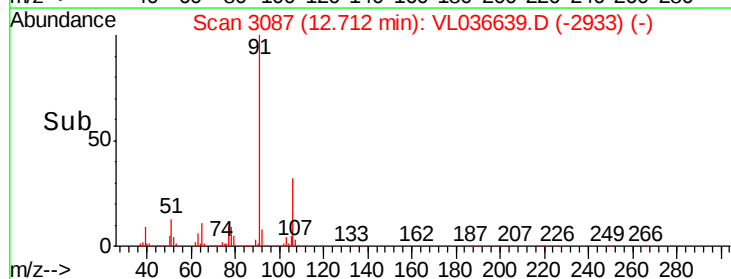
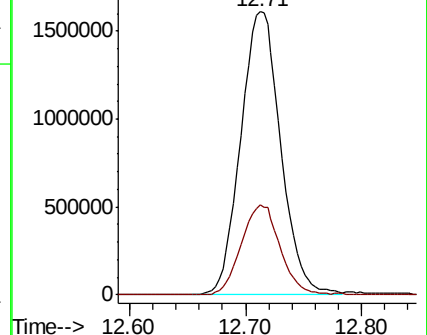
91 100

106 31.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.010 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

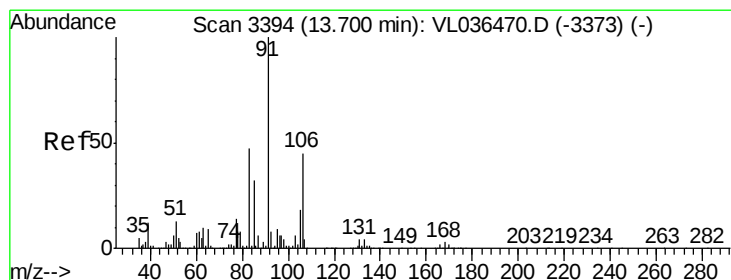
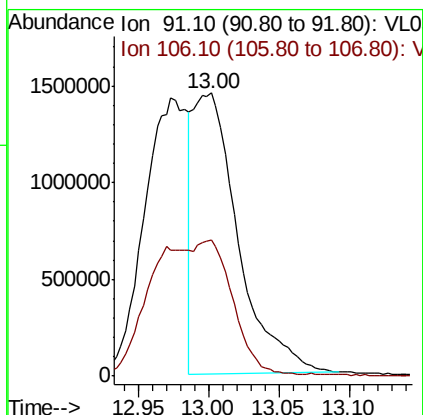
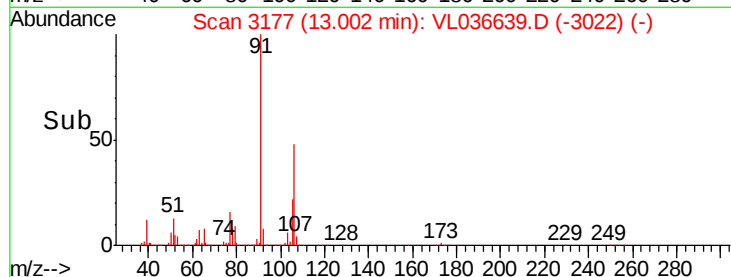
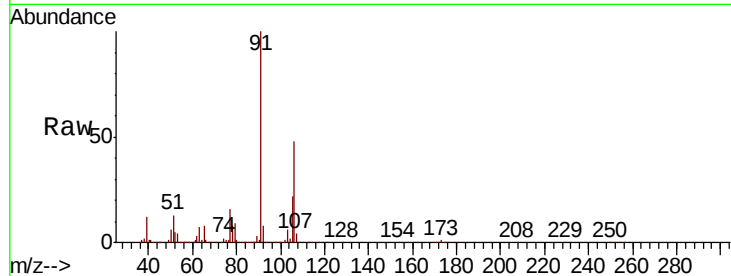
ClientSampleId :

Tot Ion: 91 Resp: 3209849

Ion Ratio Lower Upper

91 100

106 88.2 35.3 52.9#



#60

o-Xylene

Concen: 6.728 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VL036639.D

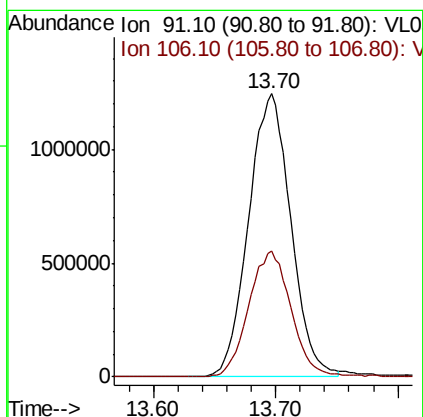
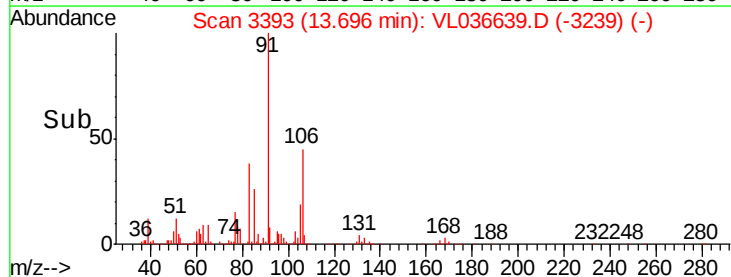
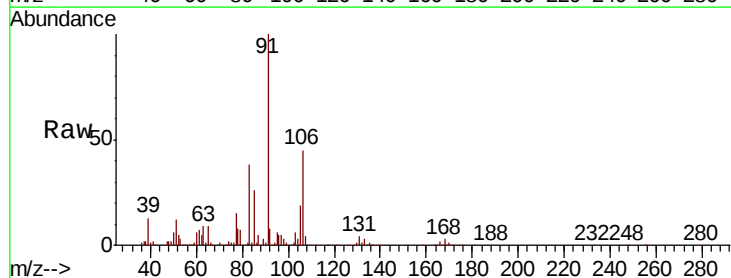
Acq: 1 Apr 2021 21:59

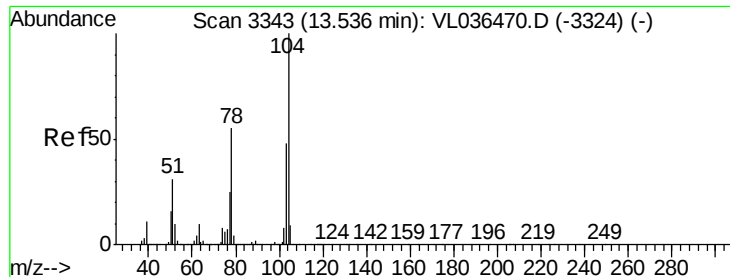
Tgt Ion: 91 Resp: 2978841

Ion Ratio Lower Upper

91 100

106 44.9 22.3 66.9





#61

Stvrene

Concen: 7.596 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

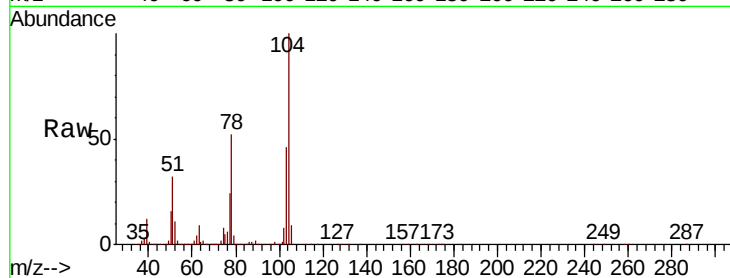
Tot Ion:104 Resp: 1691912

Ion Ratio Lower Upper

104 100

78 54.0 43.8 65.8

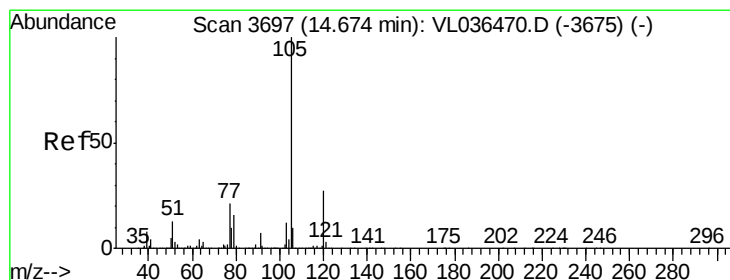
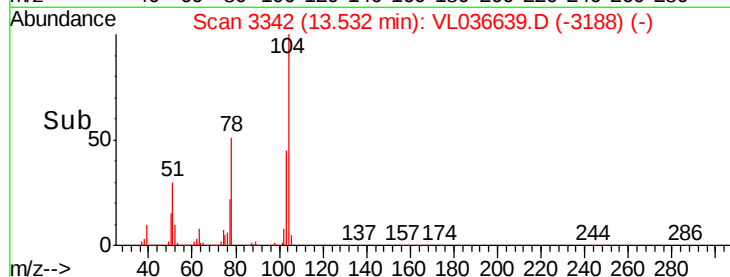
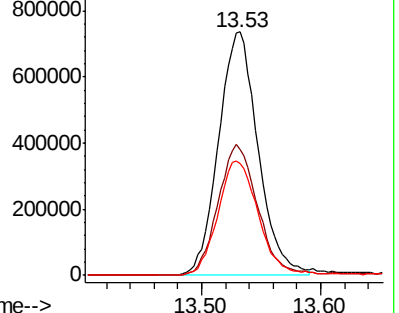
103 48.7 38.3 57.5



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



#62

Isopropylbenzene

Concen: 7.161 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL036639.D

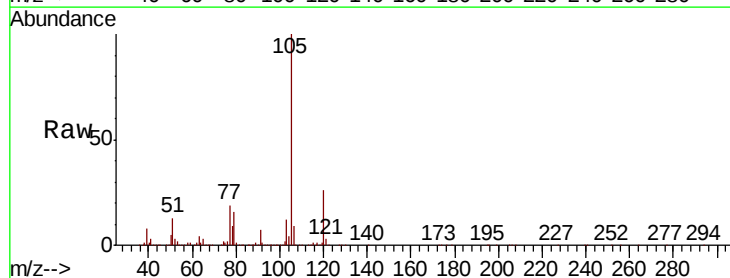
Acq: 1 Apr 2021 21:59

Tgt Ion:105 Resp: 4269844

Ion Ratio Lower Upper

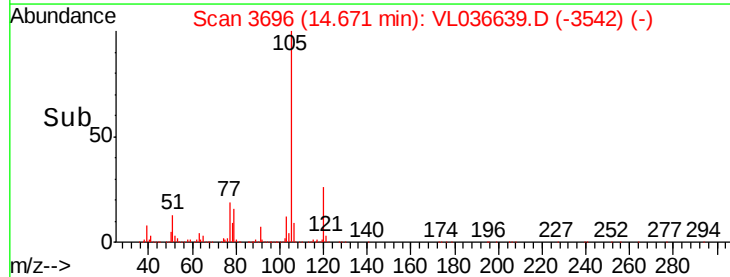
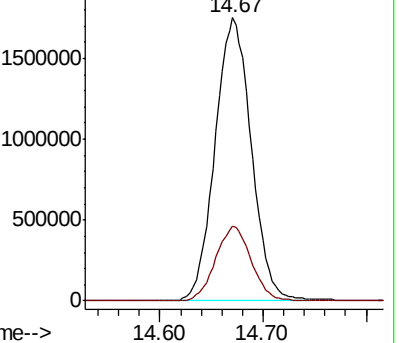
105 100

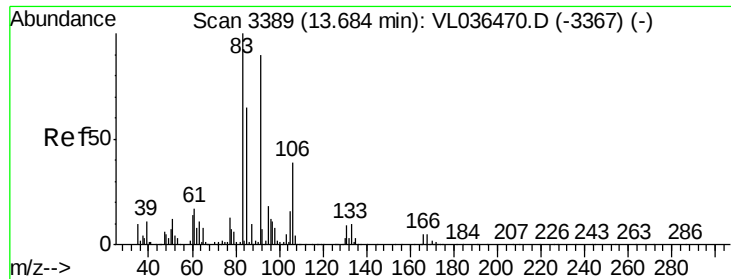
120 26.0 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

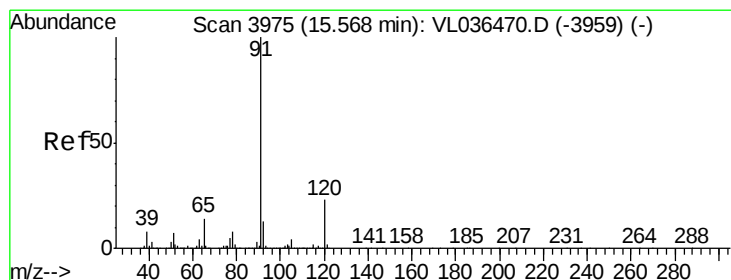
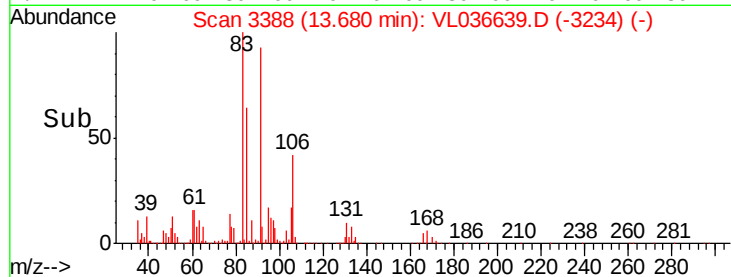
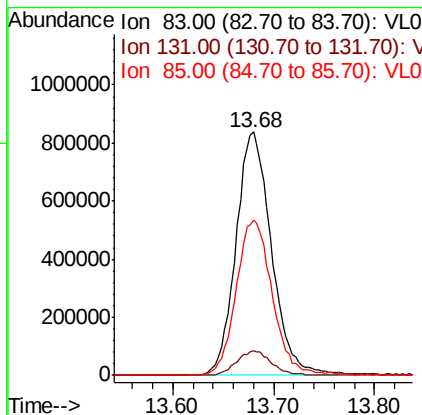
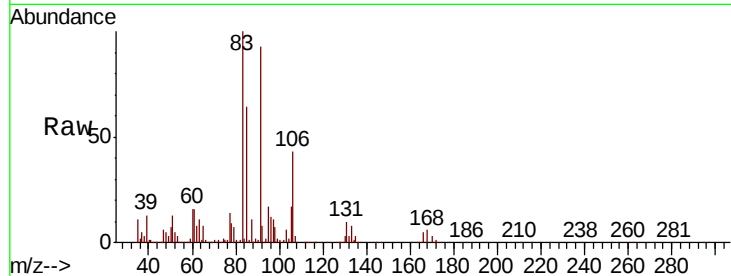




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.048 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

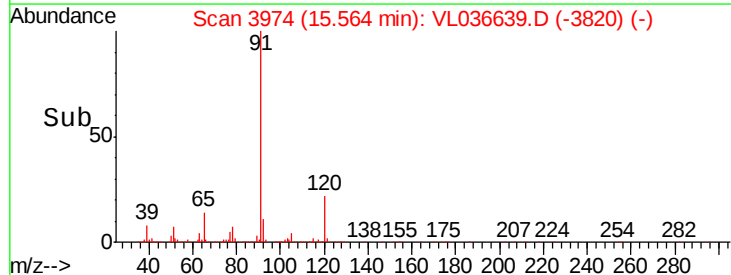
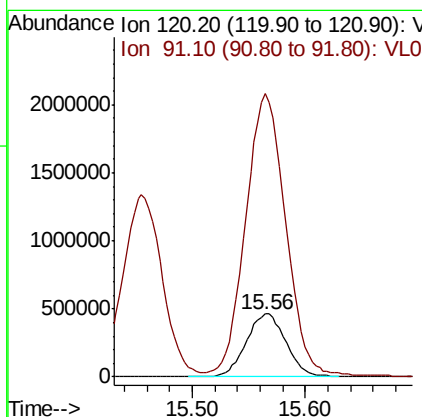
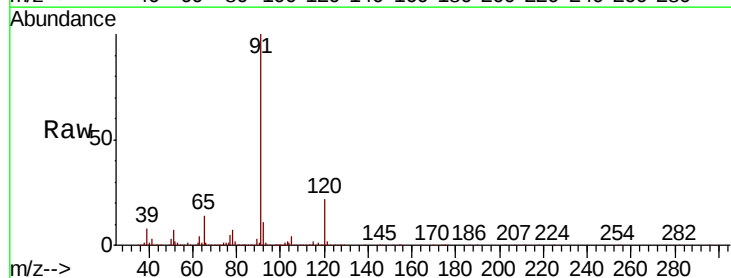
Instrument :
 MSVOA_L
 ClientSampleId :

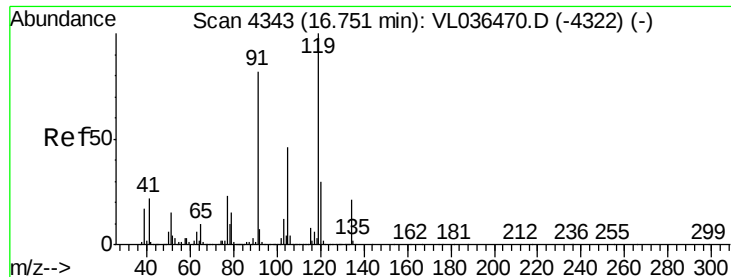
Tot Ion: 83 Resp: 2042577
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.7 14.0
 85 65.6 33.1 99.3



#64
 n-propylbenzene
 Concen: 7.732 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.00 min
 Lab File: VL036639.D
 Acq: 1 Apr 2021 21:59

Tgt Ion:120 Resp: 1127170
 Ion Ratio Lower Upper
 120 100
 91 457.2 377.4 566.2





#65

tert-Butylbenzene

Concen: 7.322 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

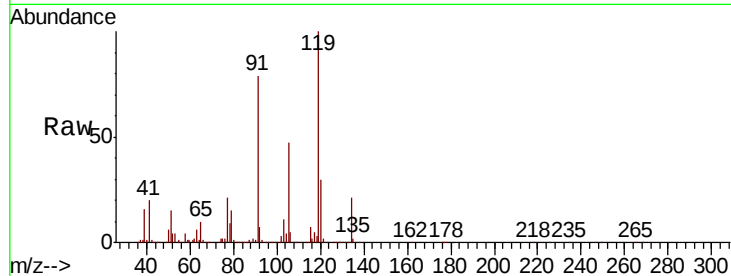
Tot Ion:119 Resp: 3785719

Ion Ratio Lower Upper

119 100

91 81.0 67.5 101.3

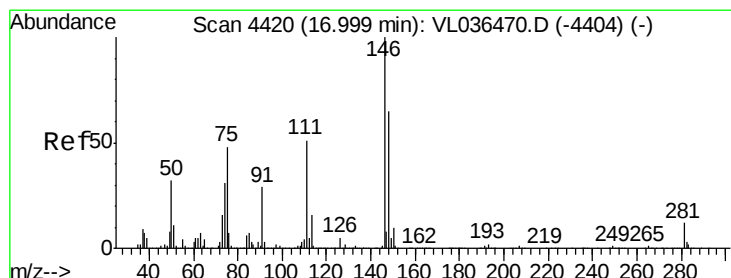
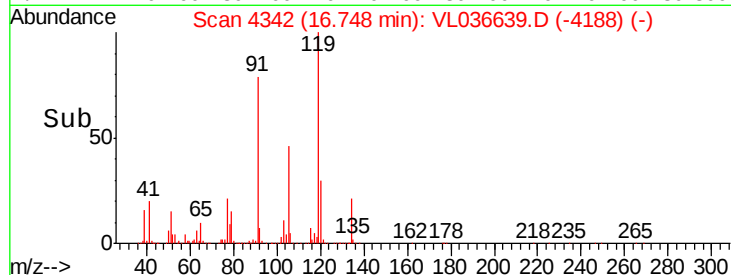
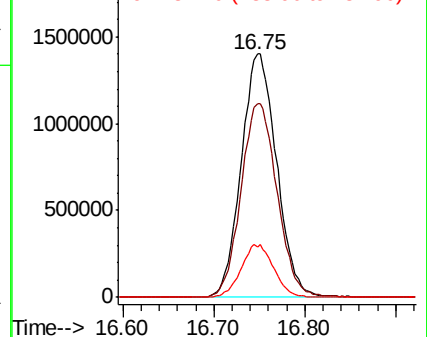
134 20.1 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.977 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

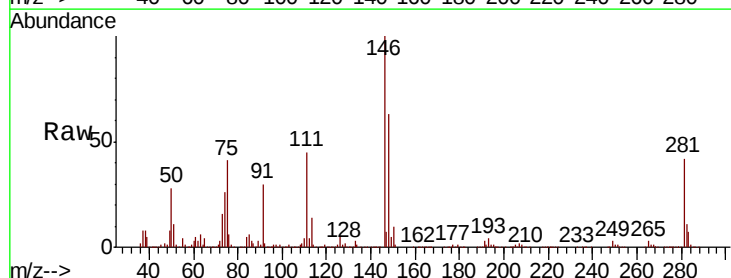
Tgt Ion: 91 Resp: 513007

Ion Ratio Lower Upper

91 100

126 19.5 13.5 20.3

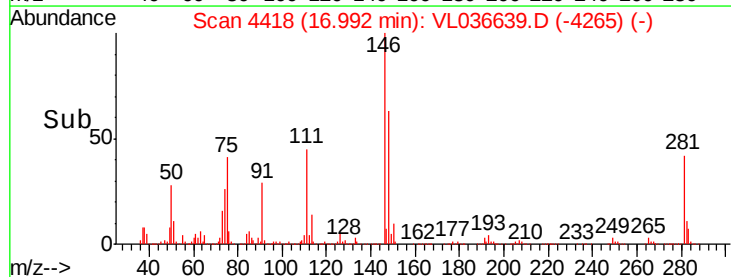
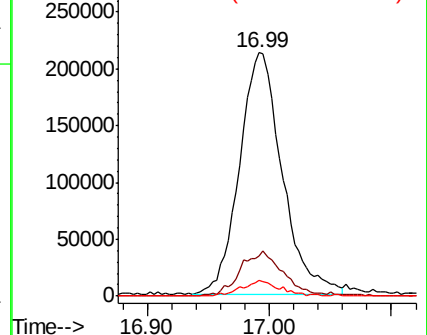
128 6.1 4.2 6.4

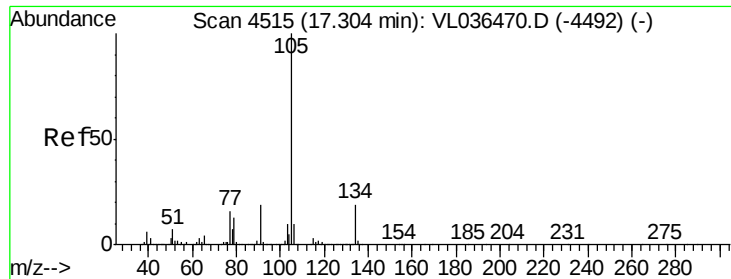


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.074 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

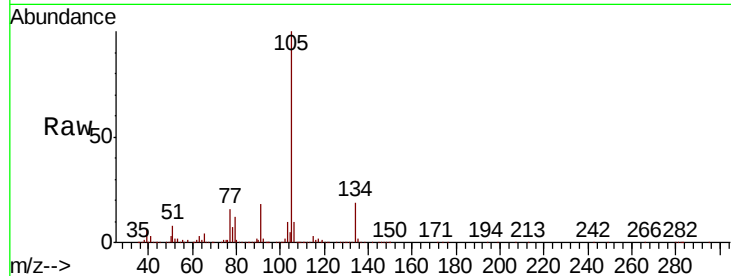
ClientSampleId :

Tot Ion:105 Resp: 5162671

Ion Ratio Lower Upper

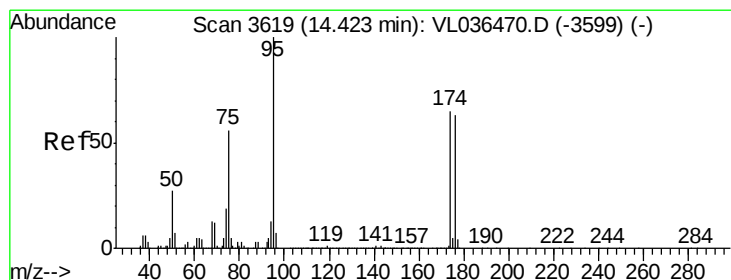
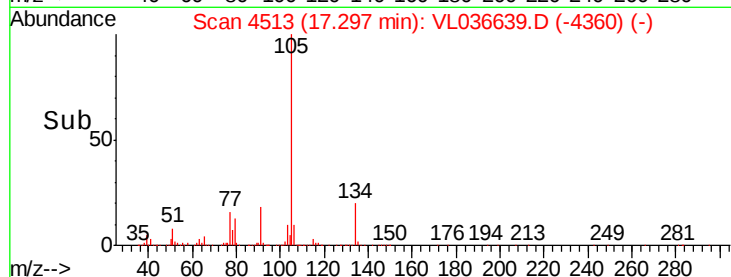
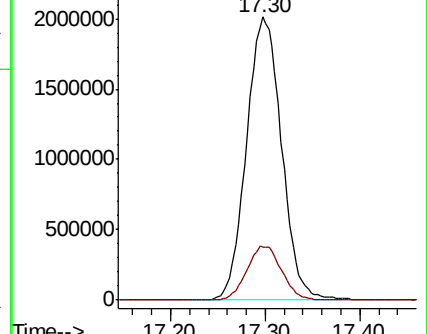
105 100

134 19.1 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.863 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

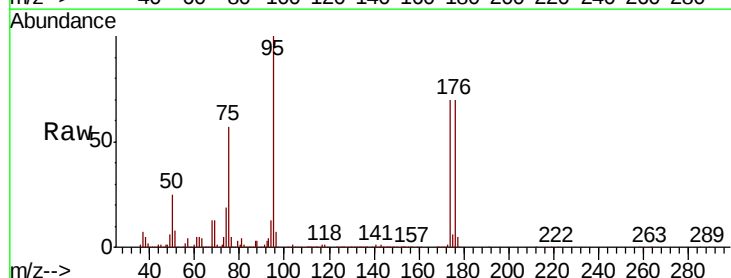
Tgt Ion: 95 Resp: 2261542

Ion Ratio Lower Upper

95 100

174 75.0 51.0 76.6

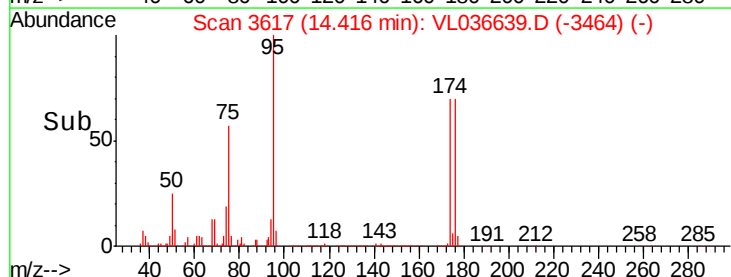
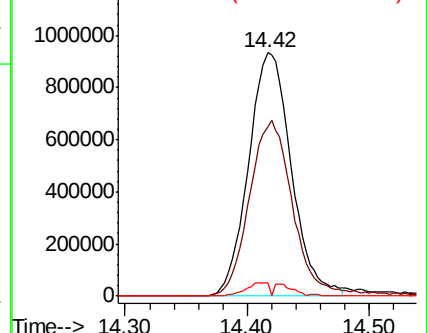
175 5.4 3.9 5.9

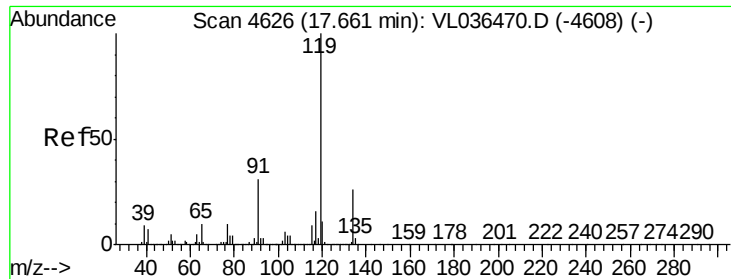


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.759 ppbv

RT: 17.66 min Scan# 4625

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

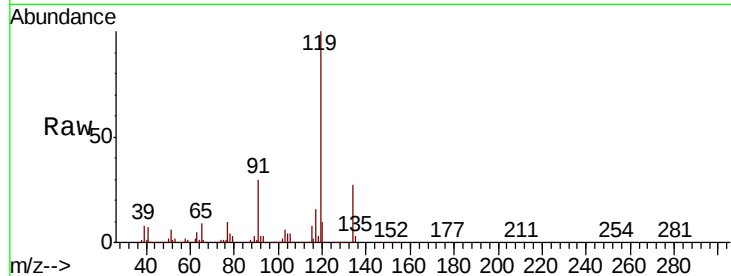
Tot Ion:119 Resp: 4421576

Ion Ratio Lower Upper

119 100

134 26.0 20.6 30.8

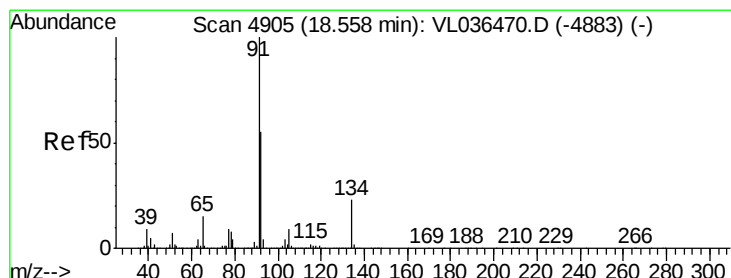
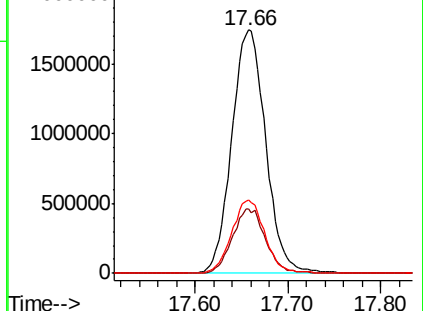
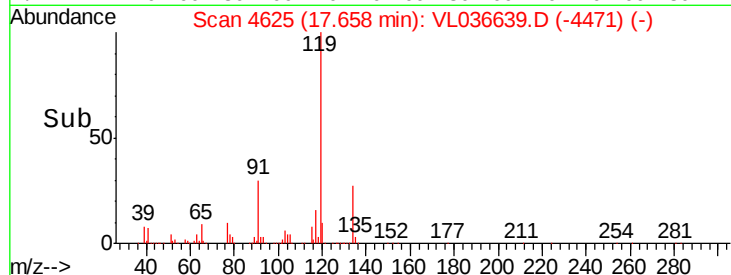
91 29.6 25.0 37.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.270 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

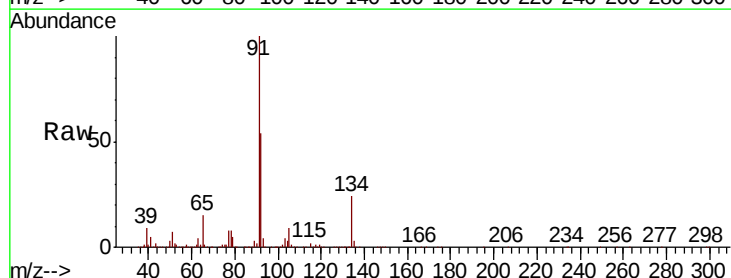
Tgt Ion: 91 Resp: 4295908

Ion Ratio Lower Upper

91 100

92 54.1 43.8 65.8

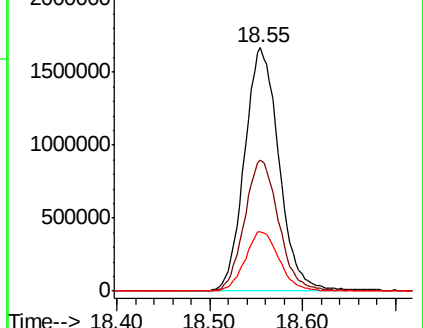
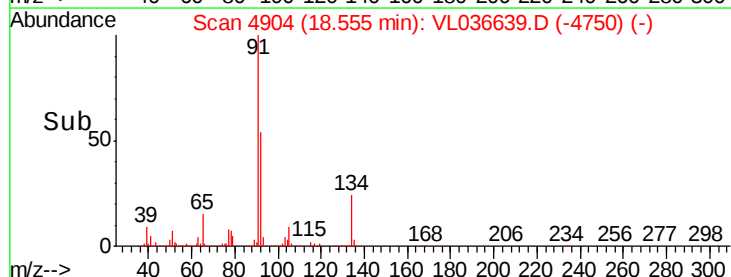
134 24.3 18.0 27.0

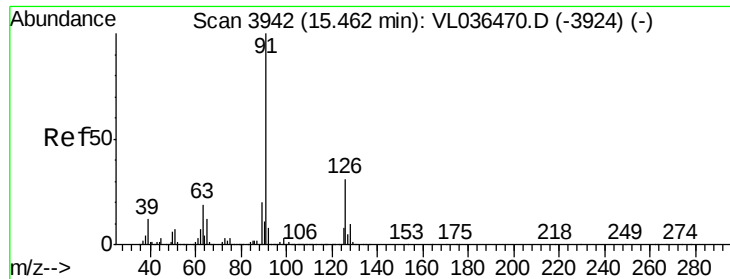


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.231 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

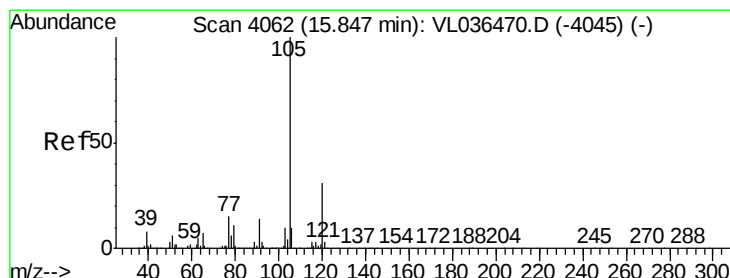
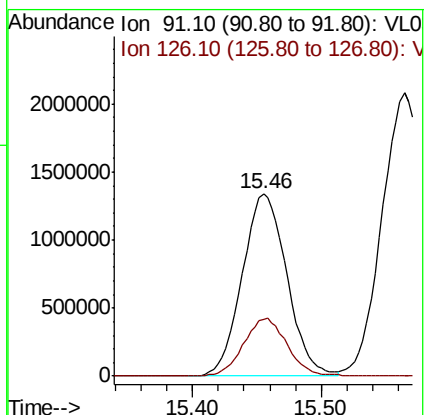
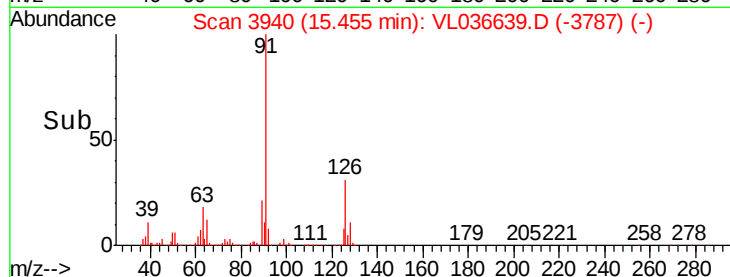
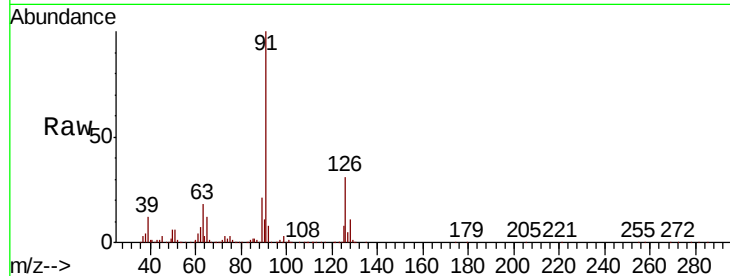
ClientSampleId :

Tot Ion: 91 Resp: 3230760

Ion Ratio Lower Upper

91 100

126 31.5 12.1 48.5



#72

4-Ethyltoluene

Concen: 7.420 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Tgt Ion:105 Resp: 3599953

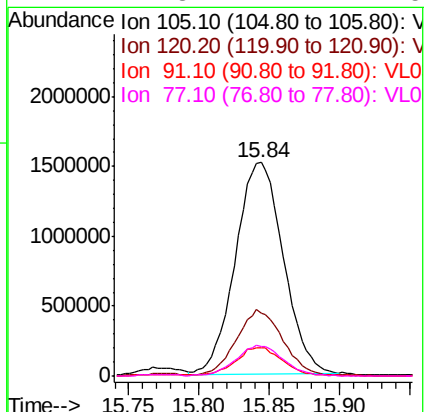
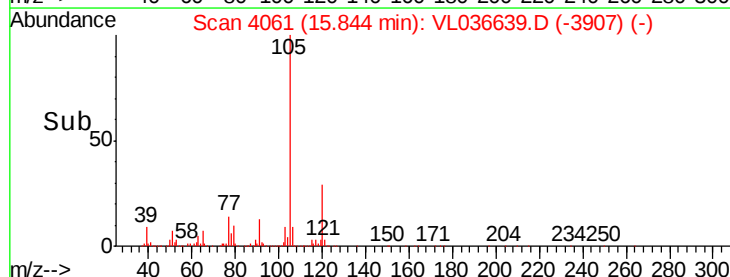
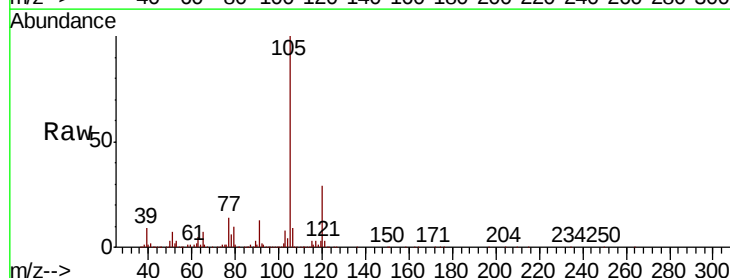
Ion Ratio Lower Upper

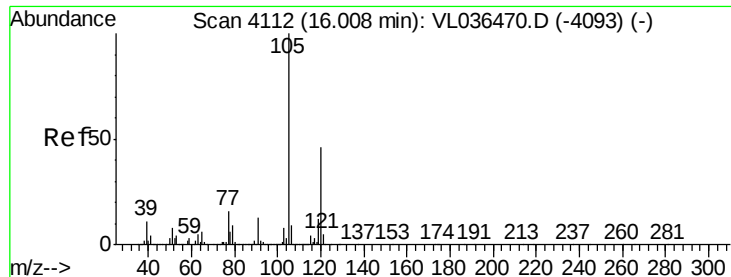
105 100

120 30.5 24.0 36.0

91 12.9 11.0 16.4

77 14.3 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.186 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

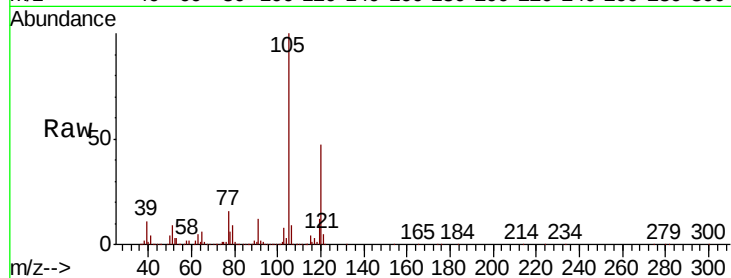
ClientSampleId :

Tot Ion:105 Resp: 3253663

Ion Ratio Lower Upper

105 100

120 47.2 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

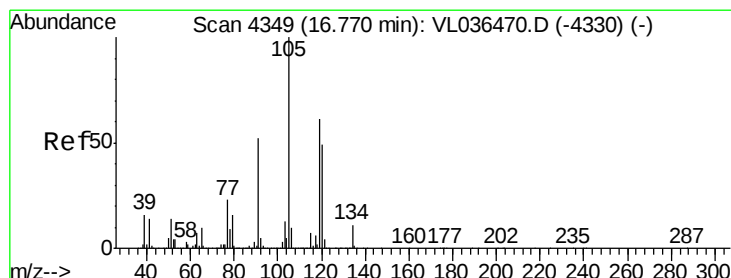
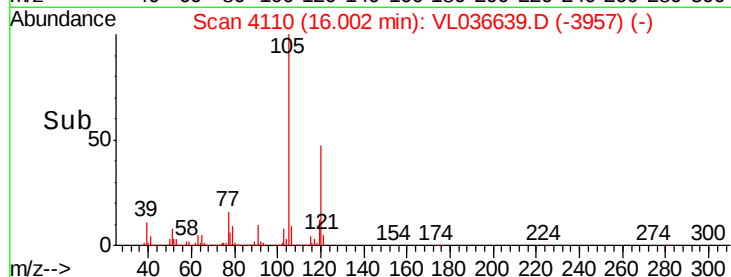
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.896 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Tgt Ion:105 Resp: 3341406

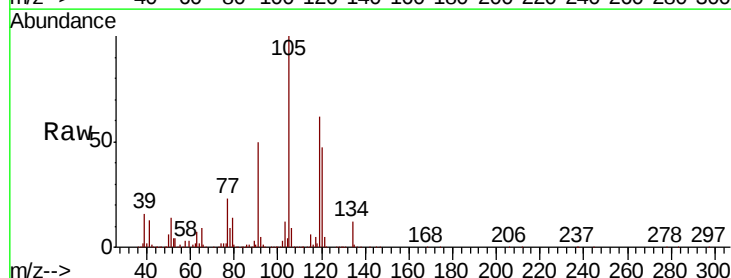
Ion Ratio Lower Upper

105 100

120 46.7 39.2 58.8

91 49.8 42.6 64.0

77 22.4 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

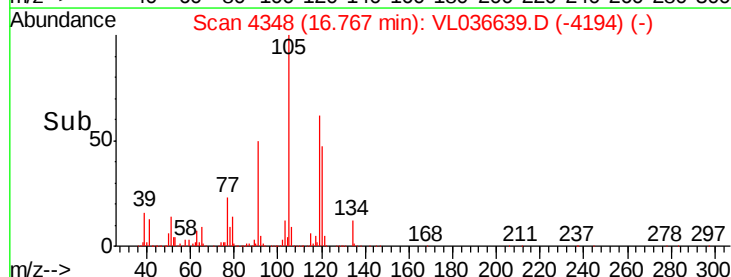
1000000

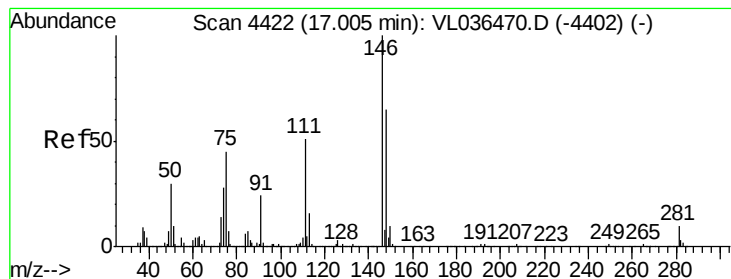
500000

0

16.70 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.529 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

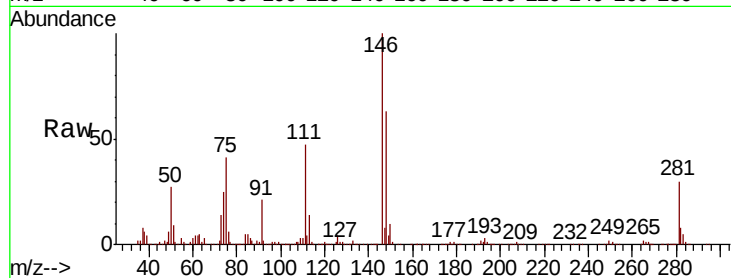
Tot Ion:146 Resp: 2053385

Ion Ratio Lower Upper

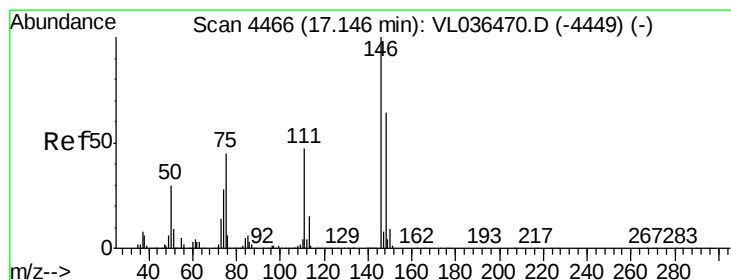
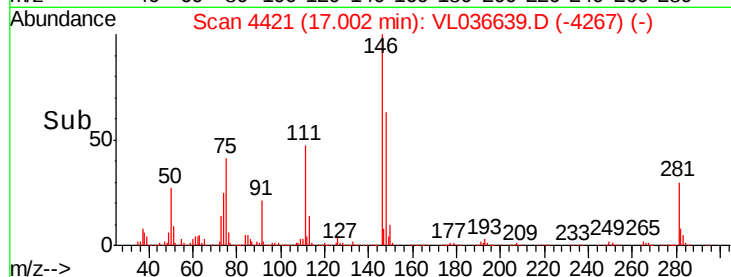
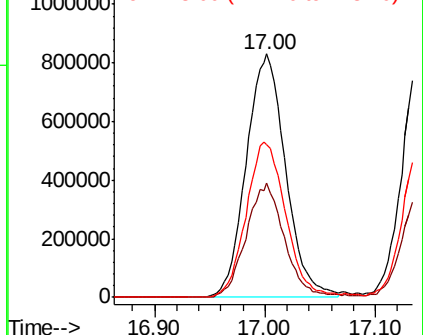
146 100

111 45.7 24.5 73.5

148 64.5 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.451 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

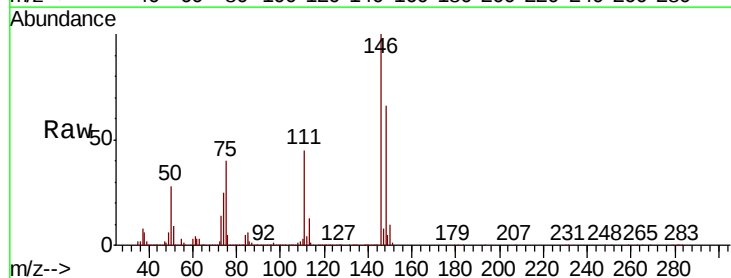
Tgt Ion:146 Resp: 2017801

Ion Ratio Lower Upper

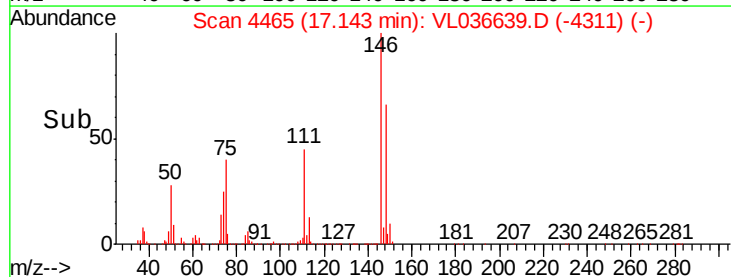
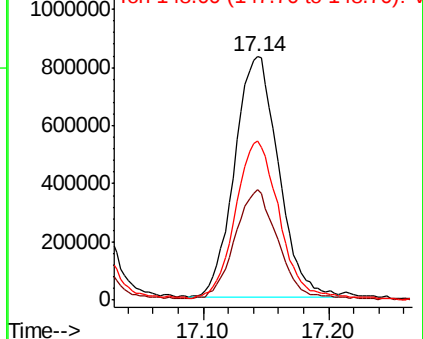
146 100

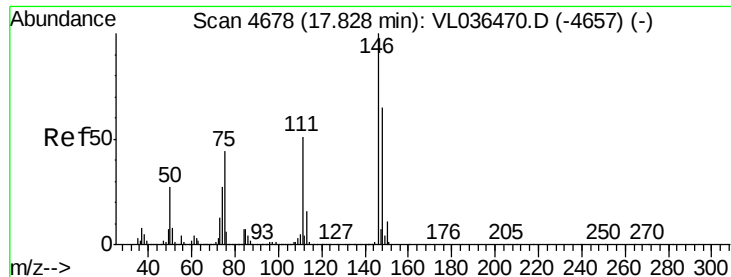
111 44.9 24.3 72.8

148 66.7 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.704 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. -0.01 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampled :

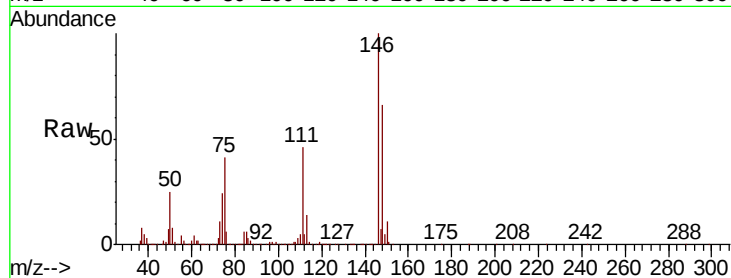
Tot Ion:146 Resp: 1975083

Ion Ratio Lower Upper

146 100

111 47.0 25.5 76.5

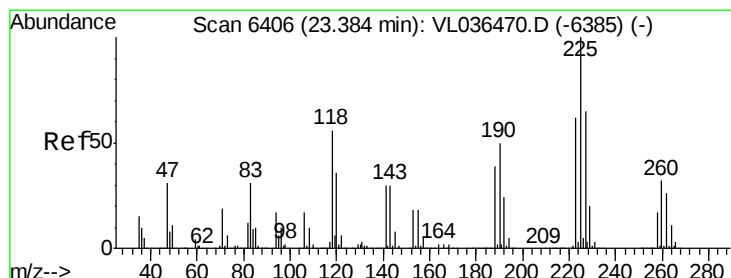
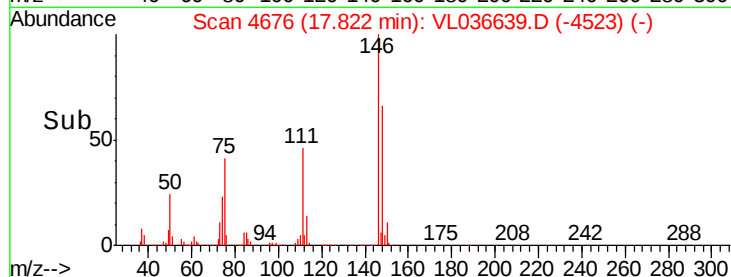
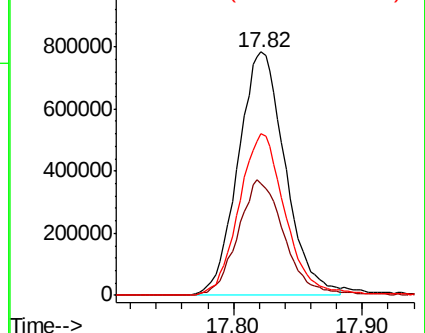
148 66.1 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.069 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

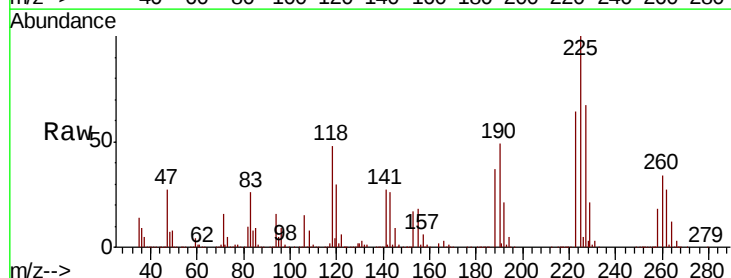
Tgt Ion:225 Resp: 1623143

Ion Ratio Lower Upper

225 100

223 65.2 50.6 75.8

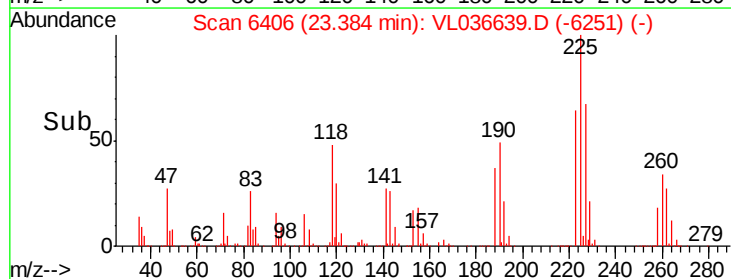
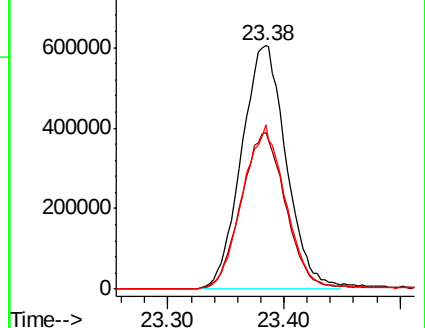
227 66.1 52.2 78.2

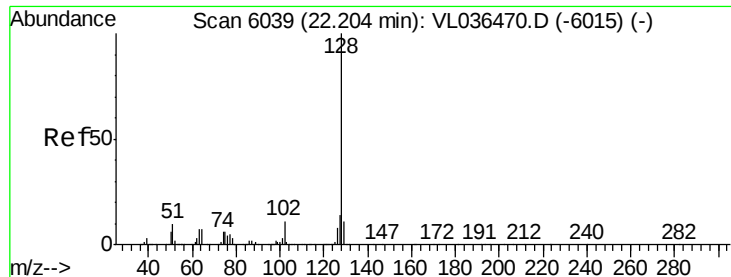


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

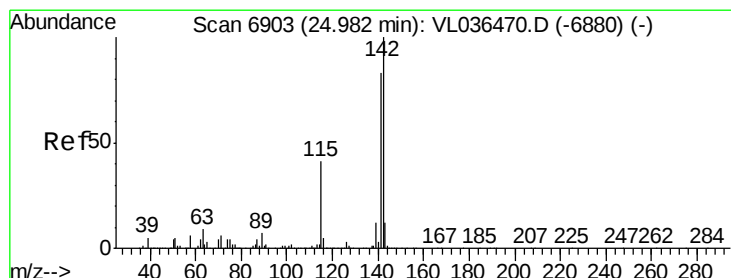
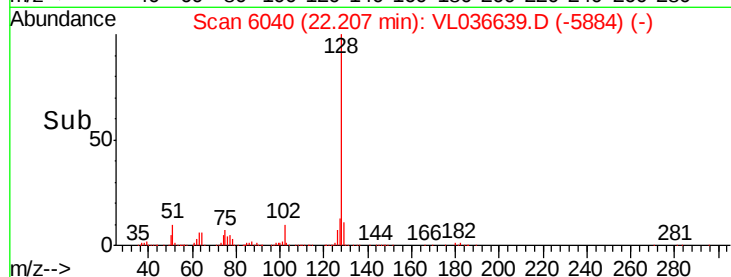
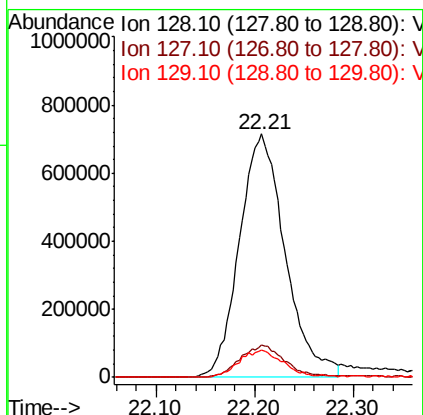
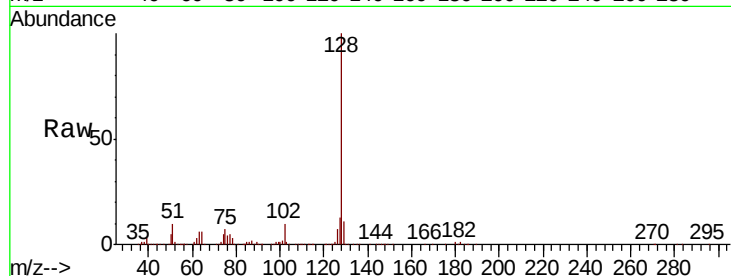




#79
Naphthalene
Concen: 8.129 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. 0.00 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

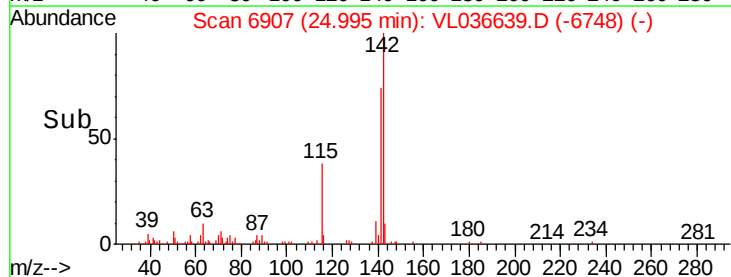
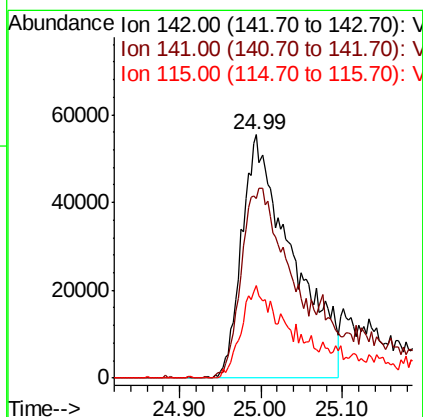
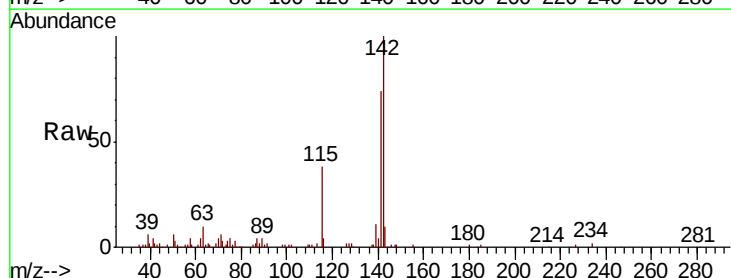
Instrument :
MSVOA_L
ClientSampleId :

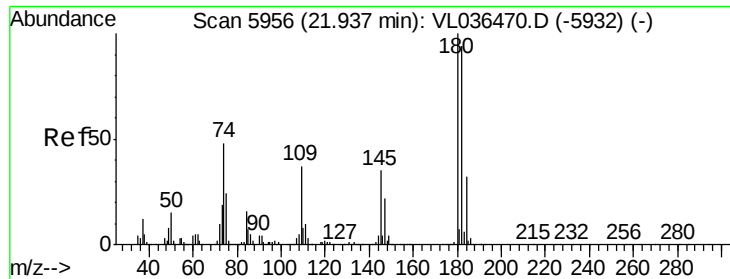
Tot Ion:128 Resp: 2298562
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 11.1 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 4.266 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.01 min
Lab File: VL036639.D
Acq: 1 Apr 2021 21:59

Tgt Ion:142 Resp: 237848
Ion Ratio Lower Upper
142 100
141 88.7 67.8 101.8
115 49.6 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 8.529 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. -0.00 min

Lab File: VL036639.D

Acq: 1 Apr 2021 21:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1489008

Ion Ratio Lower Upper

180 100

182 101.0 80.8 121.2

184 31.5 25.0 37.4

