

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
 Data File : VL037046.D
 Acq On : 24 May 2021 12:28
 Operator : SY/AP
 Sample : VL0524ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 25 01:47:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1333199	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3939351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4713514	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2828070	7.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2101199	9.290	ppbv	100
3) Chlorodifluoromethane	2.97	51	2557949	10.473	ppbv	98
4) Chloromethane	3.12	50	869192	10.458	ppbv	98
5) Vinyl Chloride	3.24	62	939129	10.337	ppbv	97
6) Bromomethane	3.46	94	533001	11.134	ppbv	98
7) Chloroethane	3.54	64	340965	11.559	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2359260	11.110	ppbv	98
9) Propene	2.99	41	872090	9.971	ppbv	99
10) Heptane	8.10	43	2176381	9.985	ppbv	99
11) Trichlorofluoromethane	3.93	101	2434514	11.629	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1692487	11.350	ppbv	98
13) Ethanol	3.59	45	87927	7.535	ppbv	86
14) Bromoethene	3.72	108	747364	11.379	ppbv	99
15) Acetone	3.83	43	1243653	9.107	ppbv	96
16) 1,3-Butadiene	3.31	39	928384	10.943	ppbv	98
17) tert-Butyl alcohol	4.27	59	1286124	10.282	ppbv	99
18) 1,1-Dichloroethene	4.27	96	758448	11.000	ppbv	95
19) Isopropyl Alcohol	3.95	45	706922	9.630	ppbv	# 34
20) Methylene Chloride	4.32	84	659539	9.010	ppbv	97
21) Allyl Chloride	4.39	41	1056024	10.251	ppbv	93
22) trans-1,2-Dichloroethene	4.86	96	764573	11.570	ppbv	98
23) Vinyl Acetate	5.05	43	2265395	10.452	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1768374	11.335	ppbv	99
25) Ethyl Acetate	5.65	43	3342949	10.188	ppbv	100
26) Hexane	5.66	57	1635282	9.755	ppbv	99
27) Carbon Disulfide	4.53	76	1786151	10.572	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	2103337	10.468	ppbv	99
29) Chloroform	5.73	83	2572896	10.864	ppbv	99
30) Cyclohexane	7.10	84	1462614	10.267	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1611984	10.726	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2669794	10.498	ppbv	99
34) 2-Butanone	5.22	43	1566461	10.921	ppbv	99
35) Carbon Tetrachloride	6.99	117	2806144	10.721	ppbv	100
36) Benzene	6.87	78	3423239	10.089	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1912116	11.366	ppbv	99
38) Trichloroethene	7.81	130	1427866	9.837	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1303566	9.973	ppbv	96
40) 1,4-Dioxane	7.81	88	146926	4.760	ppbv	# 100
41) Tetrahydrofuran	6.03	42	810004	9.915	ppbv	99
42) Bromodichloromethane	7.77	83	2775297	10.905	ppbv	100
43) Methyl Methacrylate	7.99	69	1254552	10.727	ppbv	99

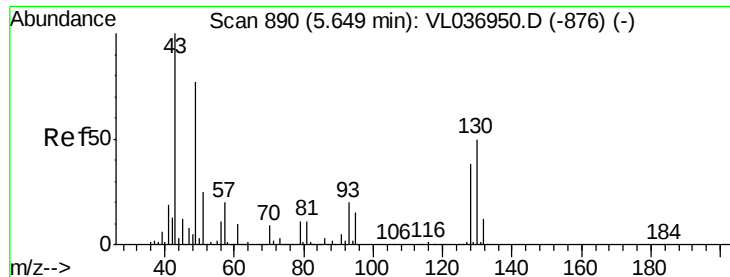
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5598611	9.617	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	975637	10.919	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1267223	10.544	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1439068	10.519	ppbv	99
48) Dibromochloromethane	10.28	129	2537355	11.455	ppbv	100
49) Bromoform	13.01	173	2128537	11.635	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2422071	10.233	ppbv	100
51) 2-Hexanone	10.11	43	1316740	10.523	ppbv #	96
52) Tetrachloroethene	11.19	164	1390095	10.302	ppbv	97
53) Toluene	9.78	91	4095000	10.143	ppbv	98
54) 1,2-Dibromoethane	10.58	107	2113567	10.867	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1719359	8.669	ppbv #	61
57) Chlorobenzene	12.12	112	3085368	8.442	ppbv	98
58) Ethyl Benzene	12.68	91	5440565	8.178	ppbv	100
59) m/p-Xylene	12.97	91	4664905	8.483	ppbv #	36
60) o-Xylene	13.67	91	4321107	8.239	ppbv	99
61) Styrene	13.50	104	2559711	8.663	ppbv	99
62) Isopropylbenzene	14.64	105	6114026	8.112	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2953885	7.541	ppbv	100
64) n-propylbenzene	15.54	120	1666526	8.570	ppbv	99
65) tert-Butylbenzene	16.72	119	5568949	8.188	ppbv	99
66) Benzyl Chloride	16.96	91	255075	6.759	ppbv	98
67) sec-Butylbenzene	17.27	105	7512130	8.096	ppbv	99
69) p-Isopropyltoluene	17.63	119	6657825	8.346	ppbv	99
70) n-Butylbenzene	18.53	91	6458775	8.523	ppbv	99
71) 2-Chlorotoluene	15.43	91	4502869	8.271	ppbv	99
72) 4-Ethyltoluene	15.81	105	5372362	8.631	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4910368	8.400	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5109742	8.454	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3157833	8.556	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	3089792	8.280	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	3118936	8.434	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2260377	7.601	ppbv	100
79) Naphthalene	22.17	128	4537413	9.568	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1065032	10.328	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2591955	8.966	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

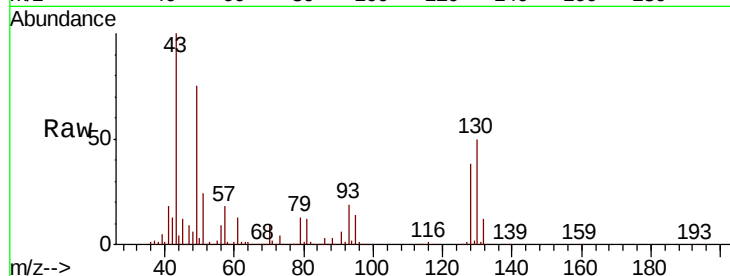
Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1333199

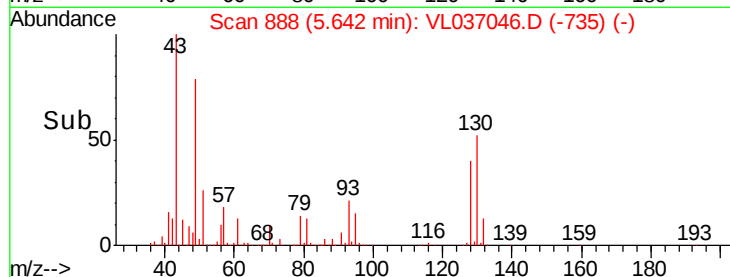
Ion	Ratio	Lower	Upper
49	100		
128	56.4	26.9	80.7
130	70.5	33.8	101.4



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: 9.290 ppbv

RT: 3.03 min Scan# 76

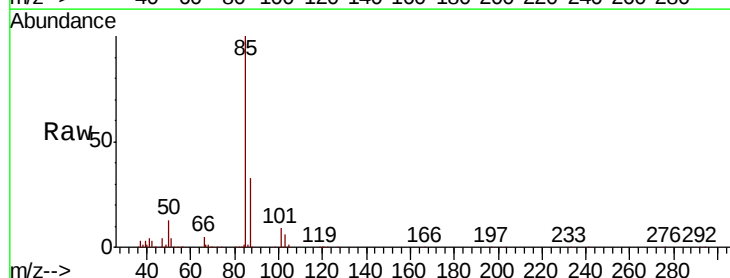
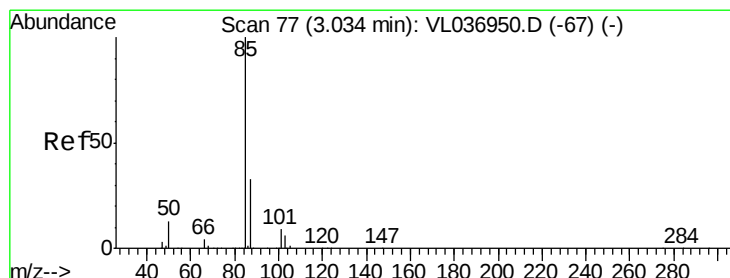
Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

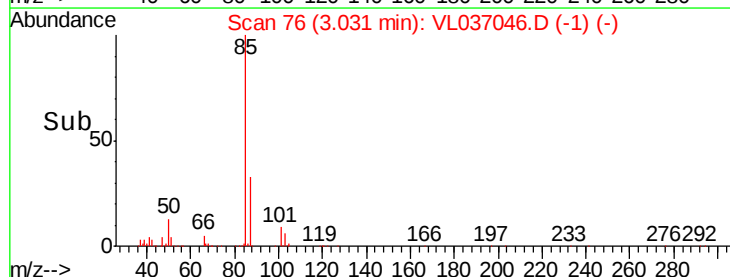
Tgt Ion: 85 Resp: 2101199

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	39.8

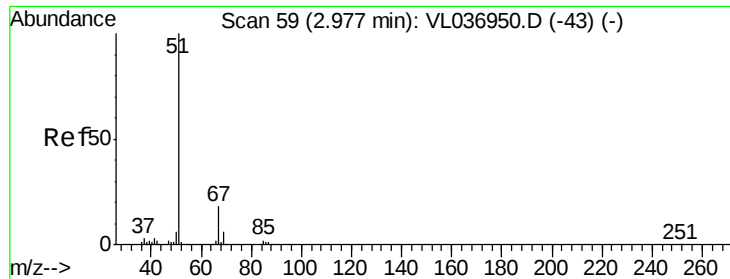


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 10.473 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

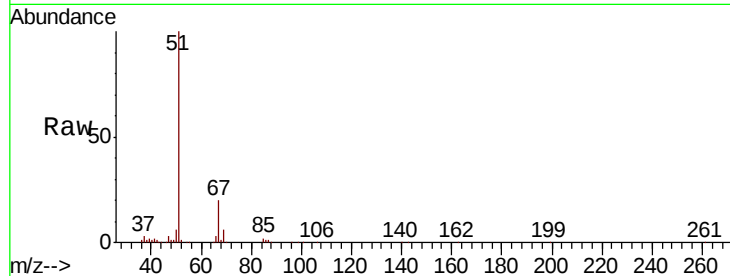
ClientSampleId :

Tot Ion: 51 Resp: 2557949

Ion Ratio Lower Upper

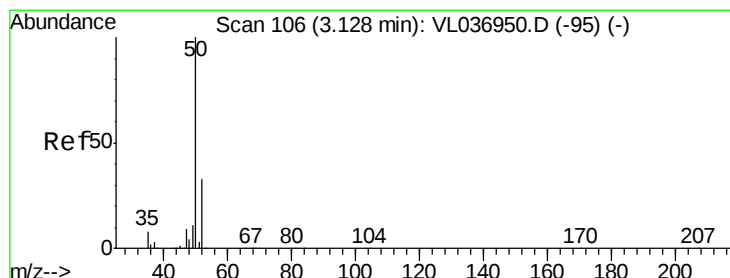
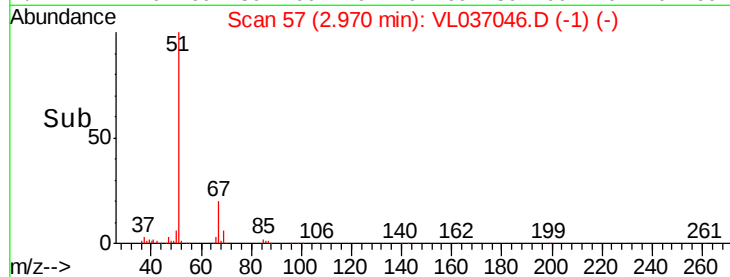
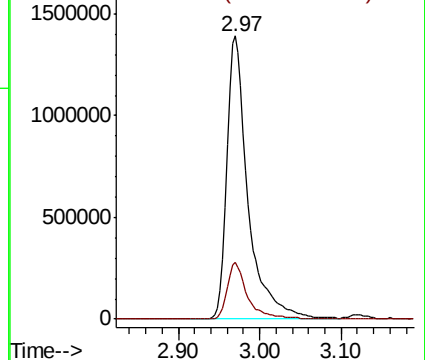
51 100

67 19.2 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.458 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037046.D

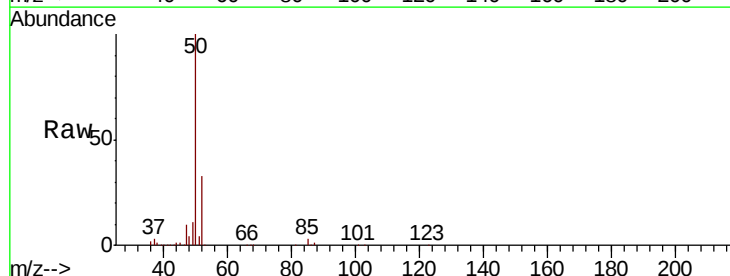
Acq: 24 May 2021 12:28

Tgt Ion: 50 Resp: 869192

Ion Ratio Lower Upper

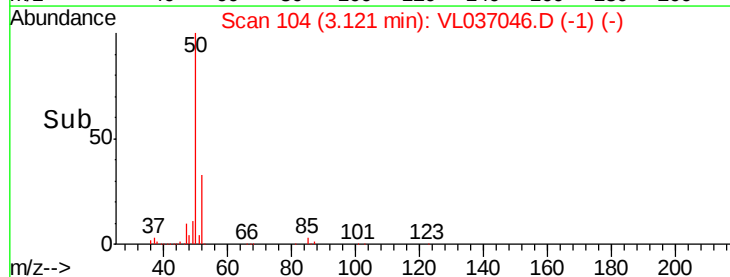
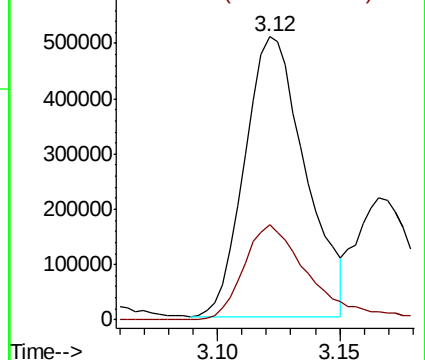
50 100

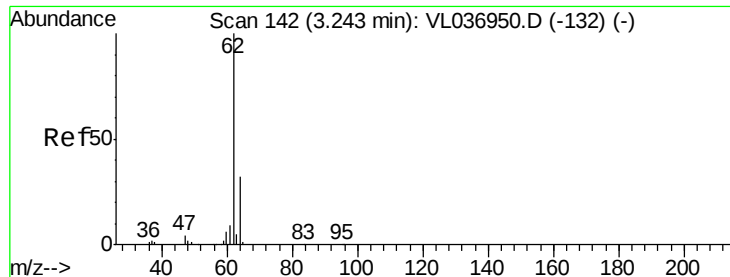
52 33.7 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.337 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

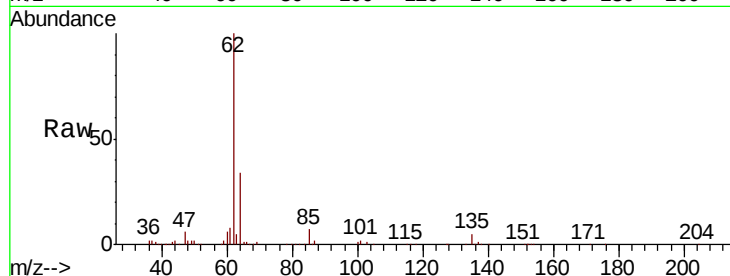
ClientSampled :

Tot Ion: 62 Resp: 939129

Ion Ratio Lower Upper

62 100

64 34.3 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

300000

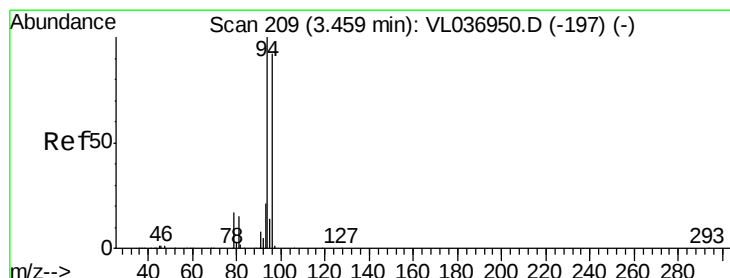
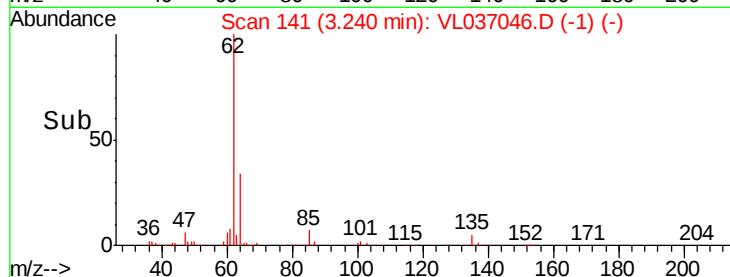
200000

100000

0

3.20 3.25 3.30

Time-->



#6

Bromomethane

Concen: 11.134 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037046.D

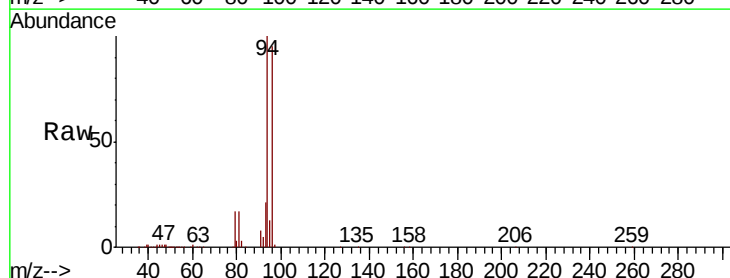
Acq: 24 May 2021 12:28

Tgt Ion: 94 Resp: 533001

Ion Ratio Lower Upper

94 100

96 94.7 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

150000

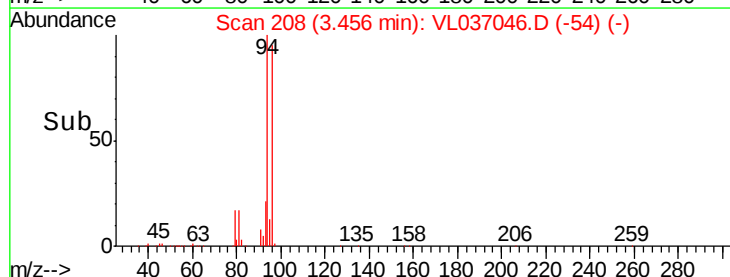
100000

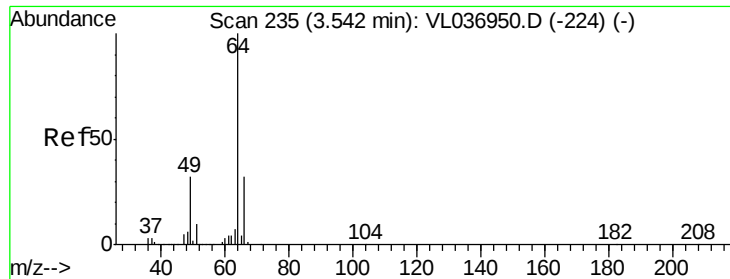
50000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 11.559 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

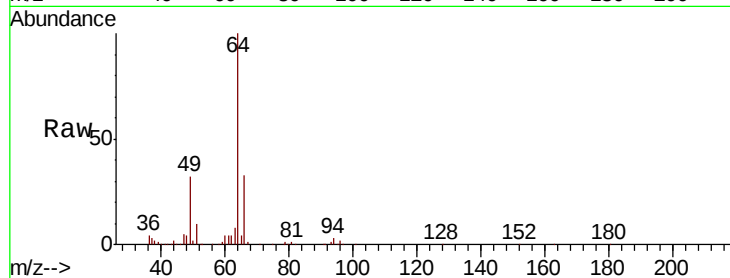
ClientSampleId :

Tot Ion: 64 Resp: 340965

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

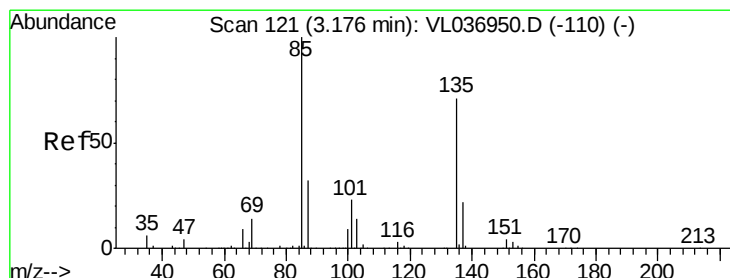
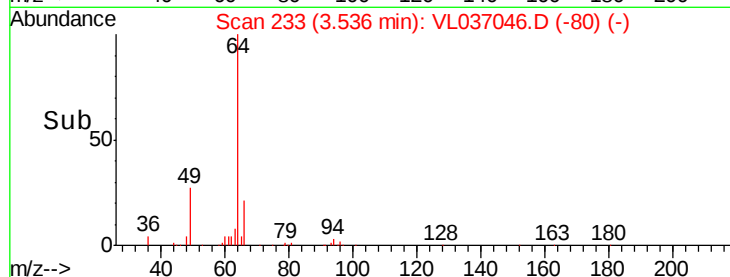
150000

100000

50000

0

Time--> 3.45 3.50 3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 11.110 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037046.D

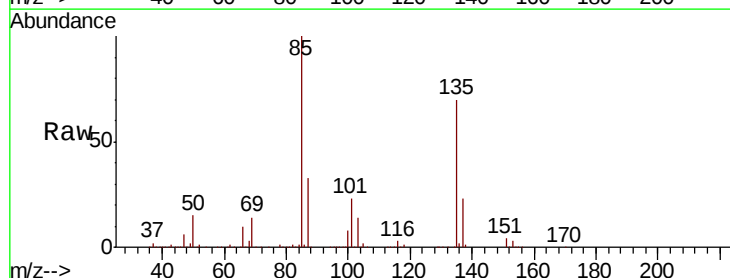
Acq: 24 May 2021 12:28

Tgt Ion: 85 Resp: 2359260

Ion Ratio Lower Upper

85 100

135 73.9 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

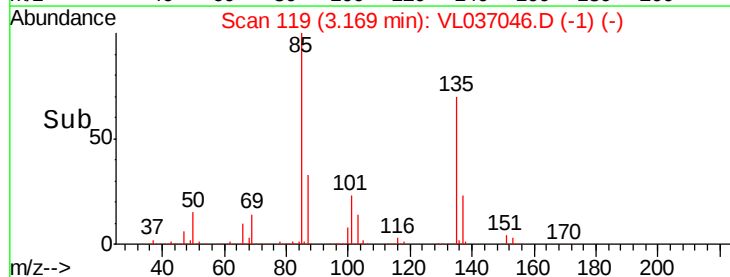
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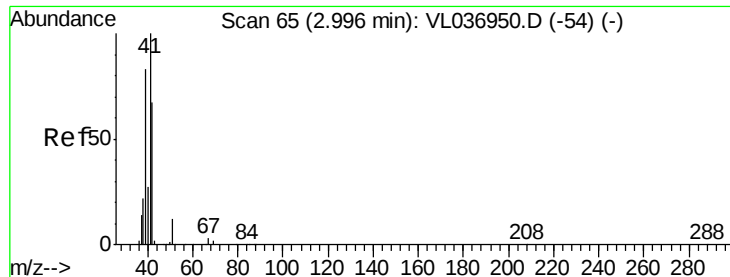
1000000

500000

0

Time--> 3.10 3.15 3.20 3.25 3.30





#9

Propene

Concen: 9.971 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

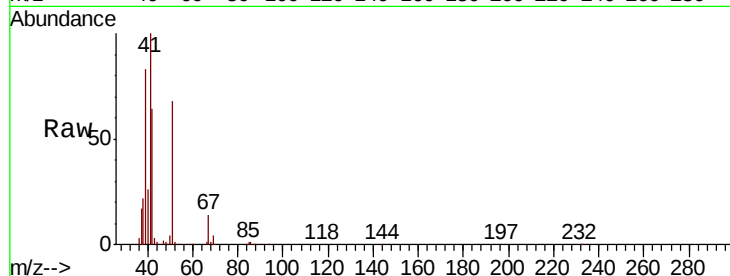
ClientSampleId :

Tot Ion: 41 Resp: 872090

Ion Ratio Lower Upper

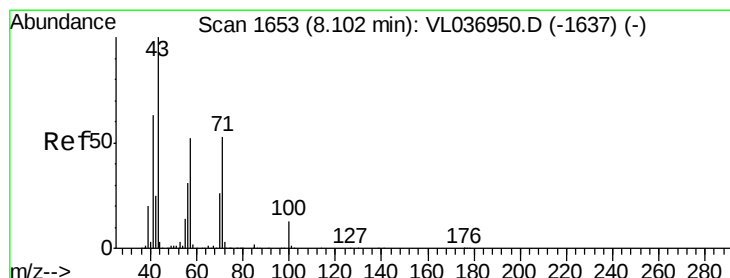
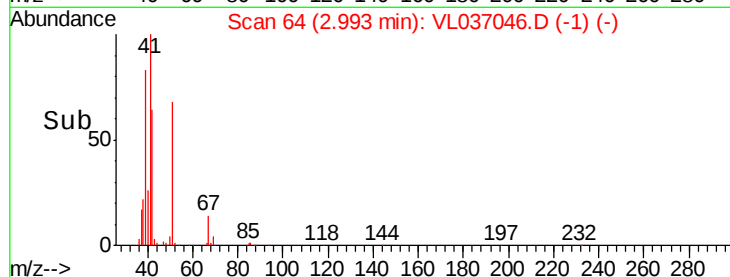
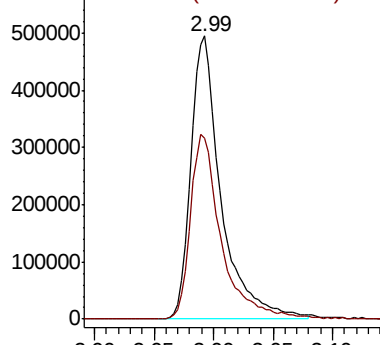
41 100

42 67.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.985 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL037046.D

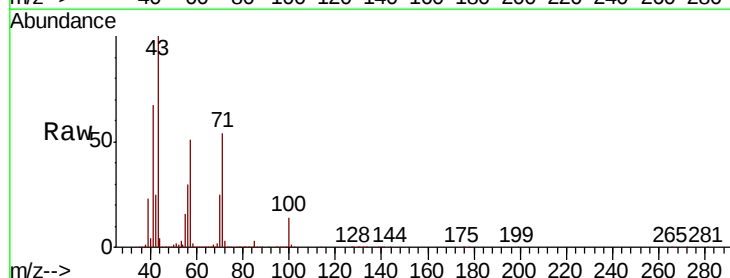
Acq: 24 May 2021 12:28

Tgt Ion: 43 Resp: 2176381

Ion Ratio Lower Upper

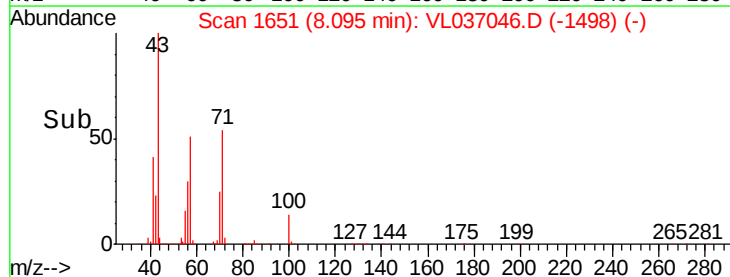
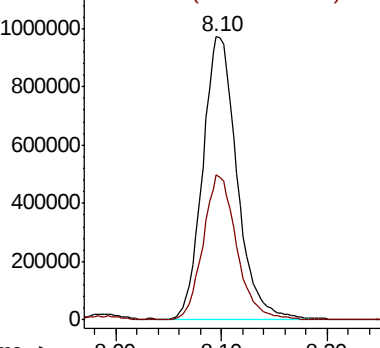
43 100

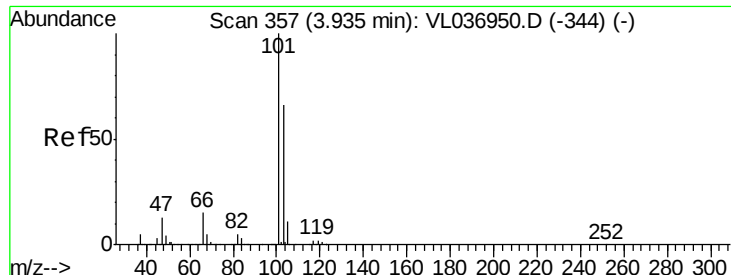
57 50.9 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

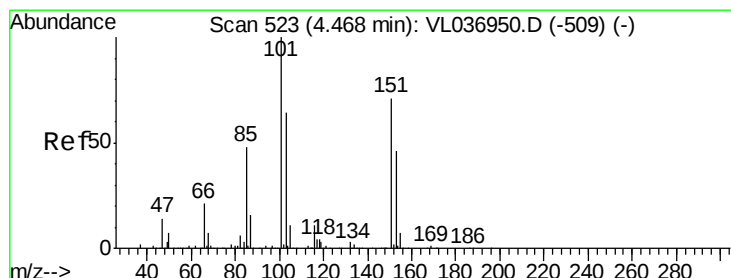
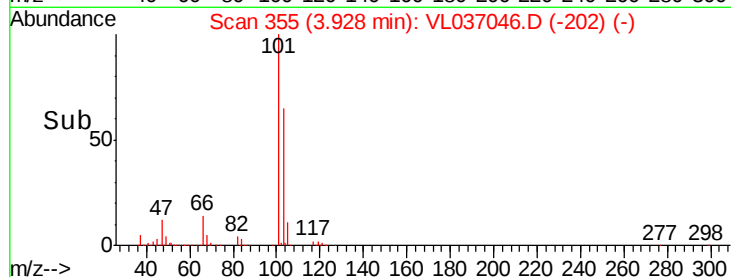
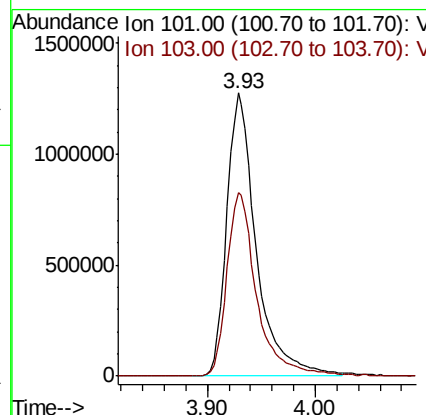
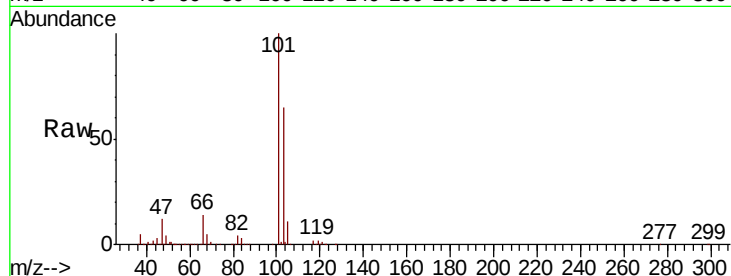




#11
 Trichlorofluoromethane
 Concen: 11.629 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

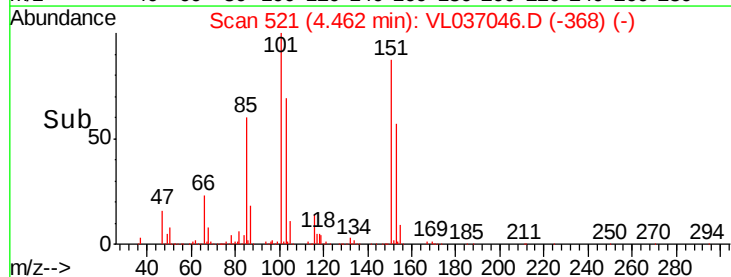
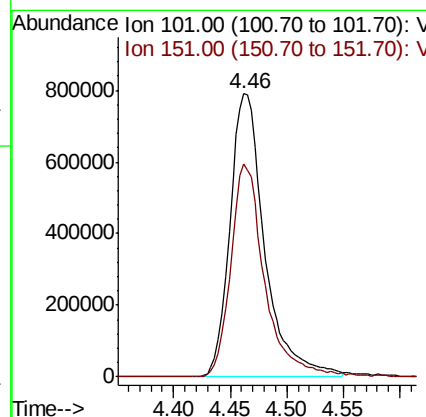
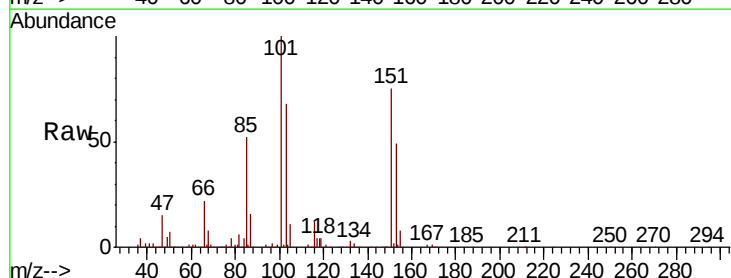
Instrument :
 MSVOA_L
 ClientSampled :

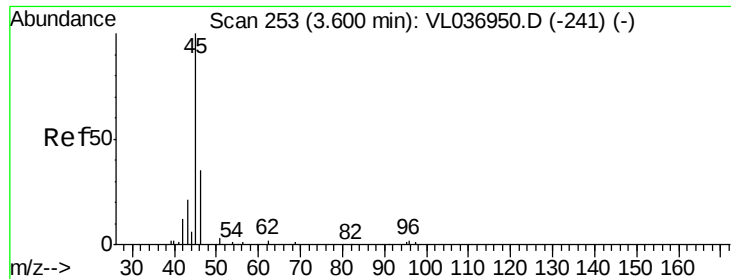
Tot Ion:101 Resp: 2434514
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.350 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion:101 Resp: 1692487
 Ion Ratio Lower Upper
 101 100
 151 73.8 57.7 86.5





#13

Ethanol

Concen: 7.535 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

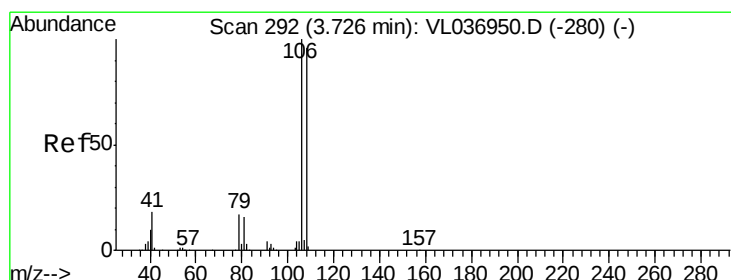
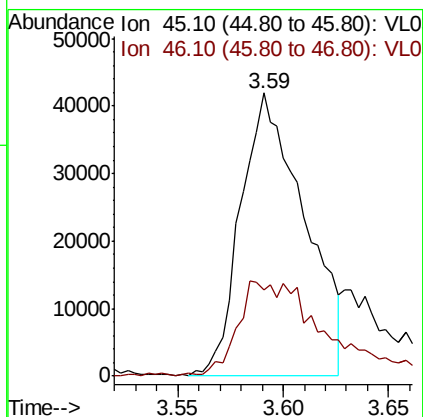
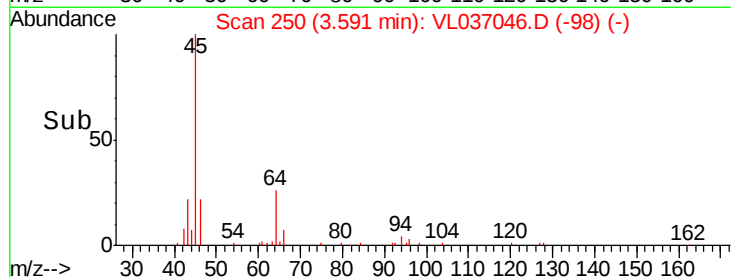
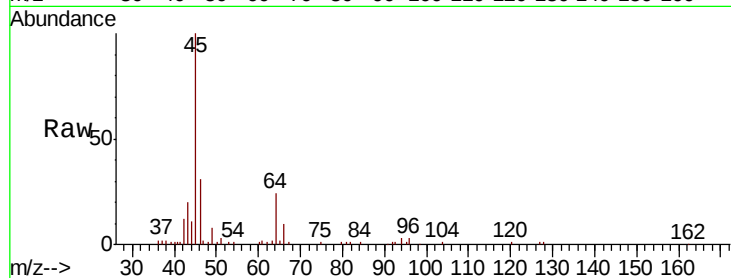
ClientSampleId :

Tot Ion: 45 Resp: 87927

Ion Ratio Lower Upper

45 100

46 49.4 16.3 65.3



#14

Bromoethene

Concen: 11.379 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

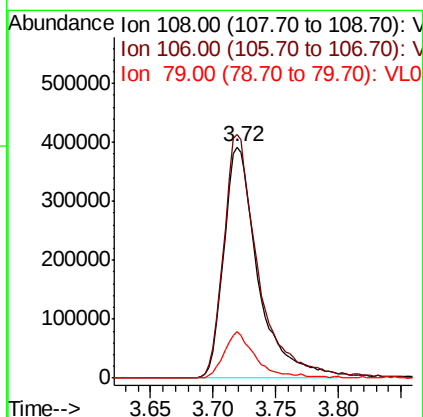
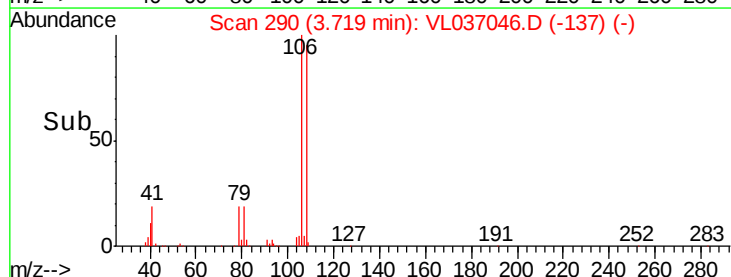
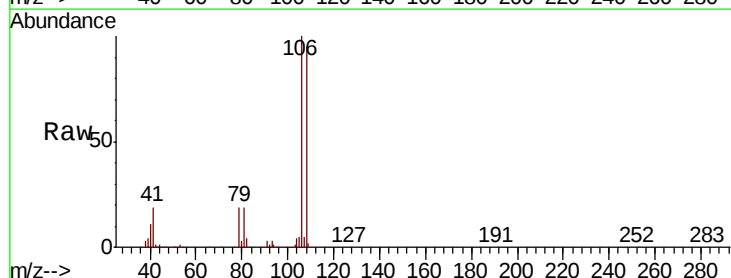
Tgt Ion: 108 Resp: 747364

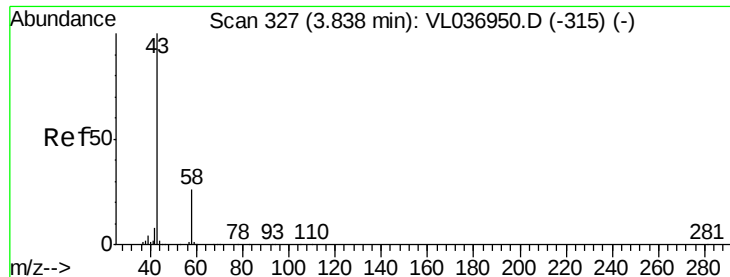
Ion Ratio Lower Upper

108 100

106 107.5 86.5 129.7

79 19.5 15.0 22.4





#15

Acetone

Concen: 9.107 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

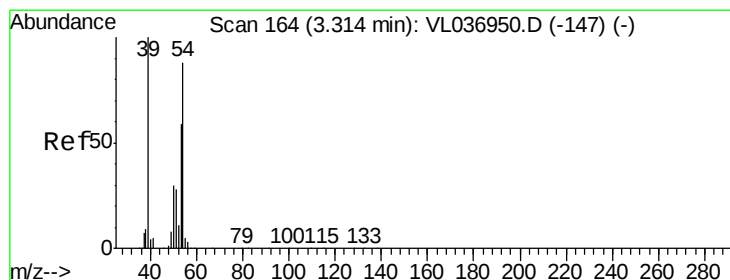
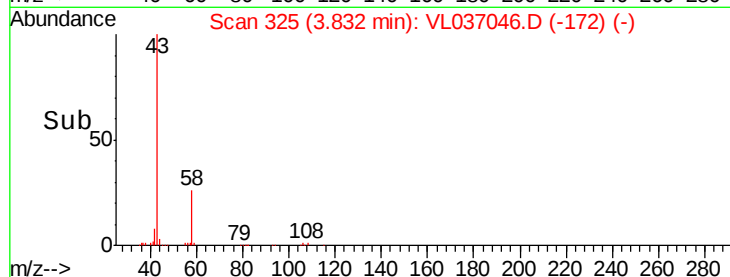
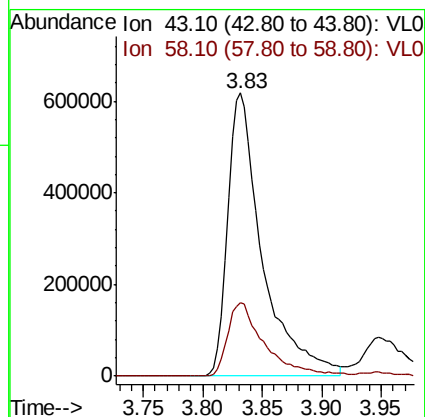
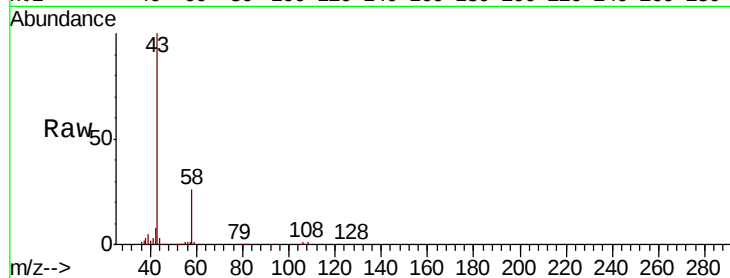
ClientSampleId :

Tot Ion: 43 Resp: 1243653

Ion Ratio Lower Upper

43 100

58 27.8 24.0 36.0



#16

1,3-Butadiene

Concen: 10.943 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037046.D

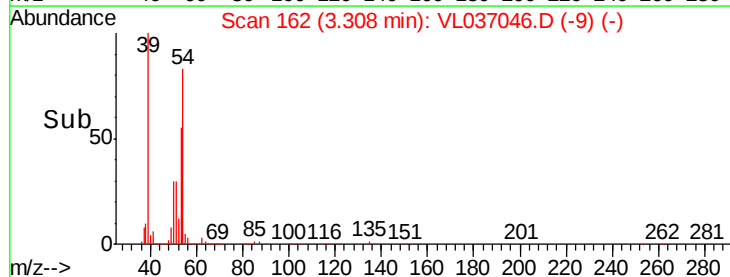
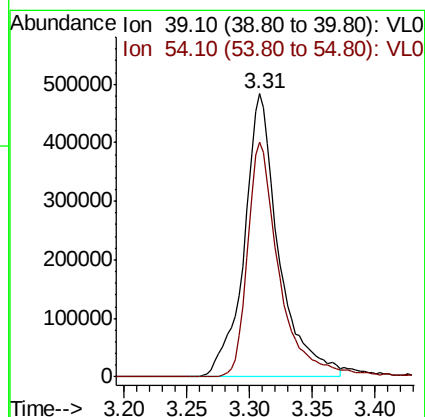
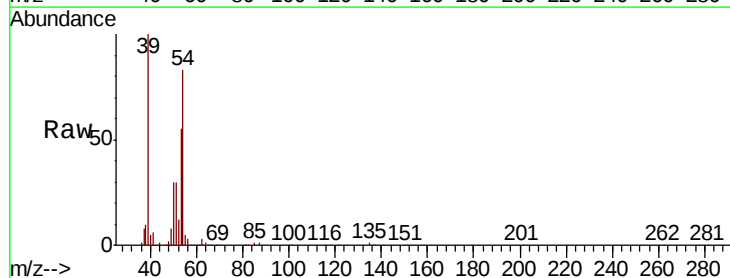
Acq: 24 May 2021 12:28

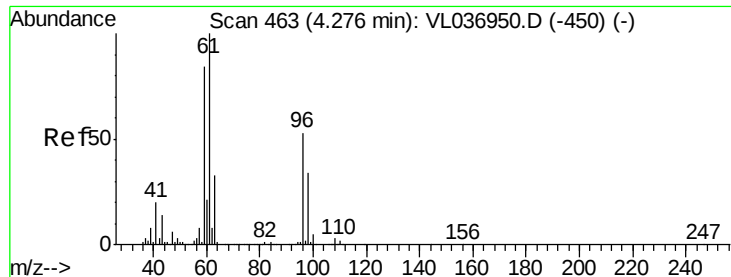
Tgt Ion: 39 Resp: 928384

Ion Ratio Lower Upper

39 100

54 77.2 63.2 94.8



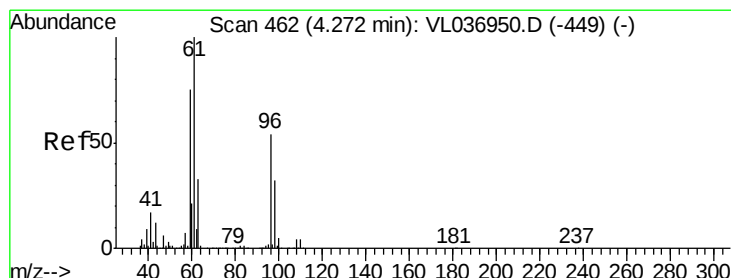
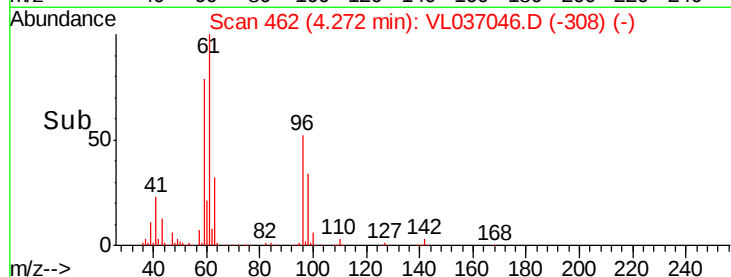
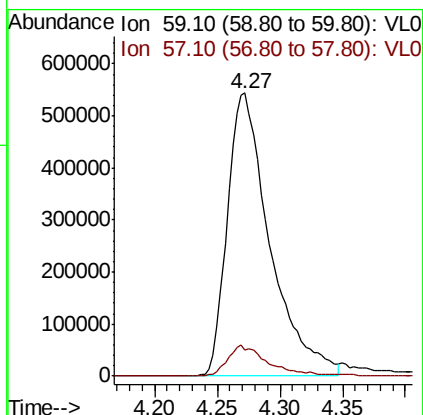
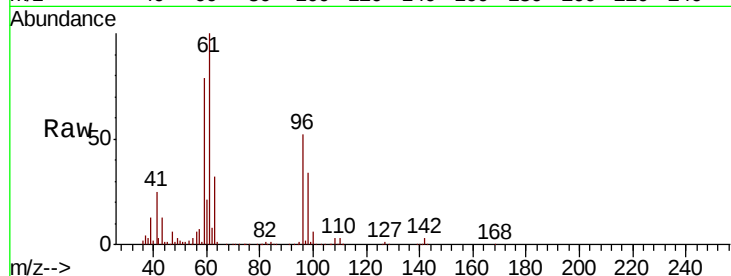


#17

tert-Butyl alcohol
 Concen: 10.282 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :

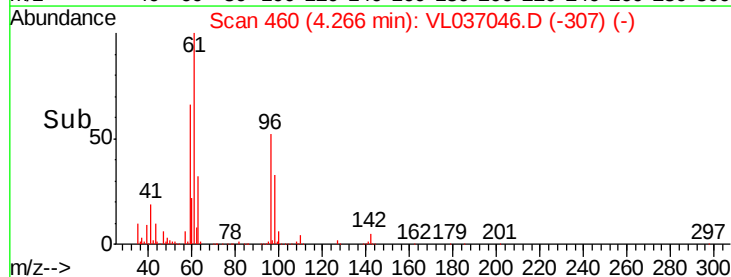
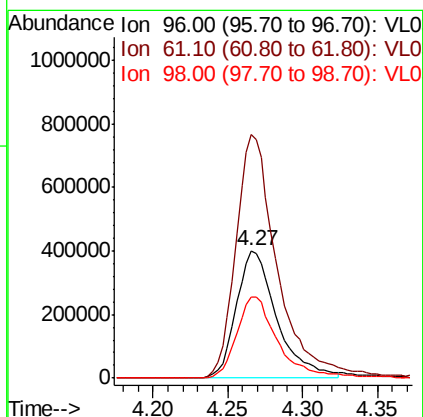
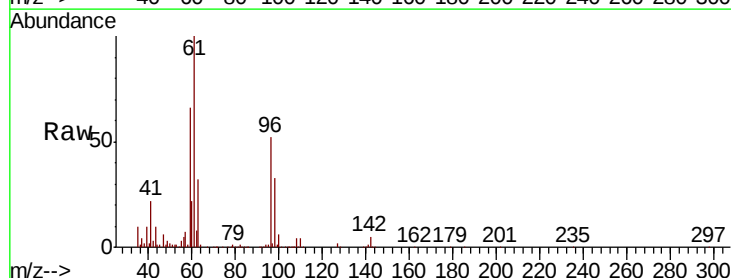
Tot Ion: 59 Resp: 1286124
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

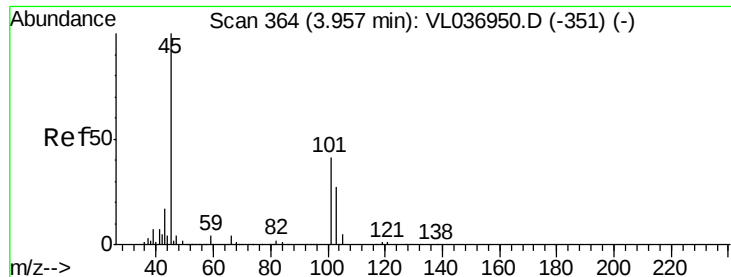


#18

1,1-Dichloroethene
 Concen: 11.000 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion: 96 Resp: 758448
 Ion Ratio Lower Upper
 96 100
 61 191.4 148.2 222.4
 98 64.1 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.630 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

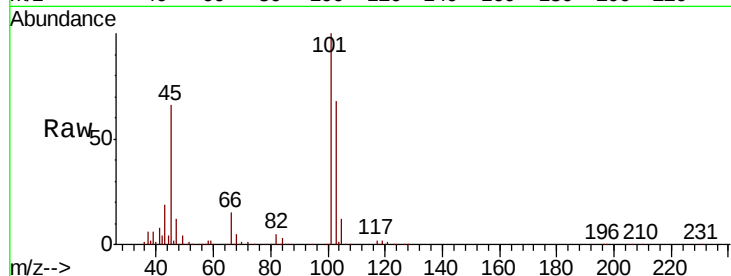
ClientSampleId :

Tot Ion: 45 Resp: 706922

Ion Ratio Lower Upper

45 100

58 2.7 37.2 55.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

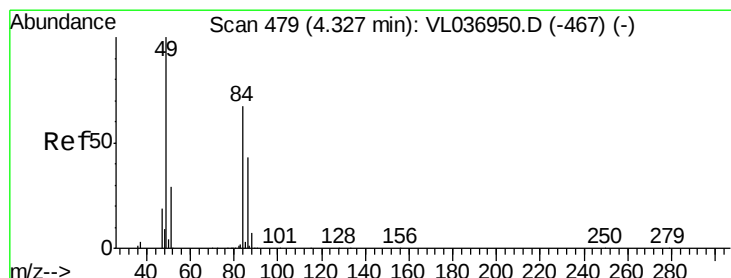
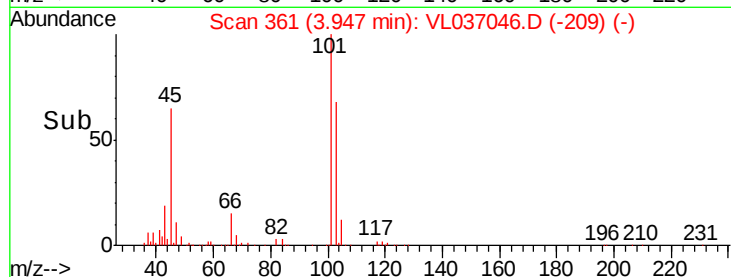
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.010 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Tgt Ion: 84 Resp: 659539

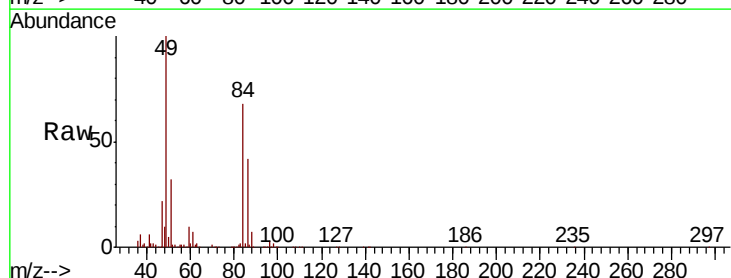
Ion Ratio Lower Upper

84 100

49 143.9 119.8 179.6

51 44.8 35.1 52.7

86 62.0 50.9 76.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

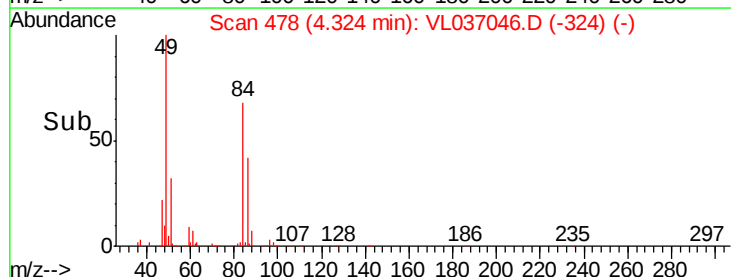
600000

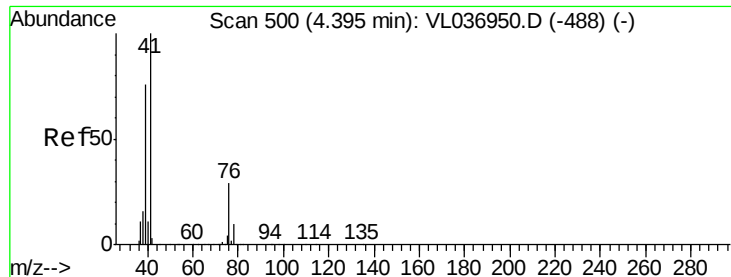
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.251 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :

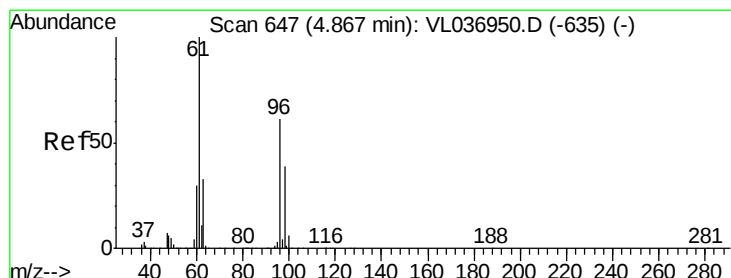
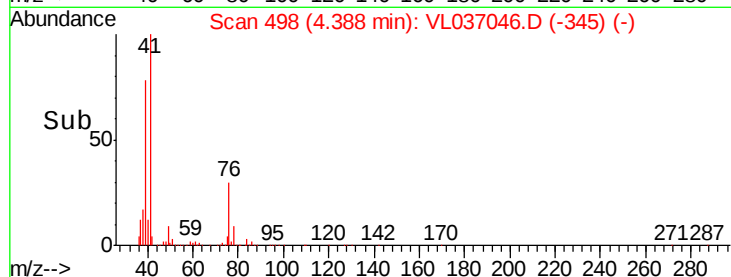
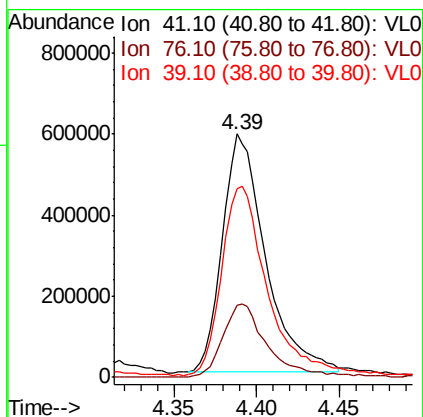
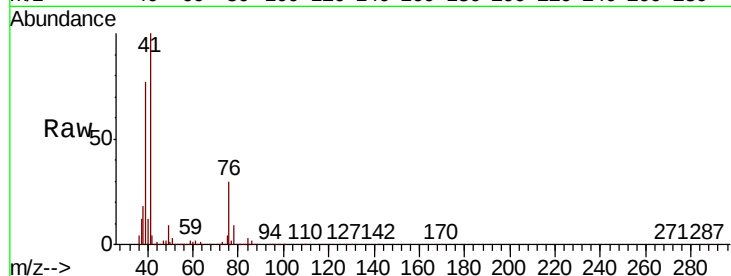
Tot Ion: 41 Resp: 1056024

Ion Ratio Lower Upper

41 100

76 32.6 24.9 37.3

39 86.7 63.7 95.5



#22

trans-1,2-Dichloroethene

Concen: 11.570 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

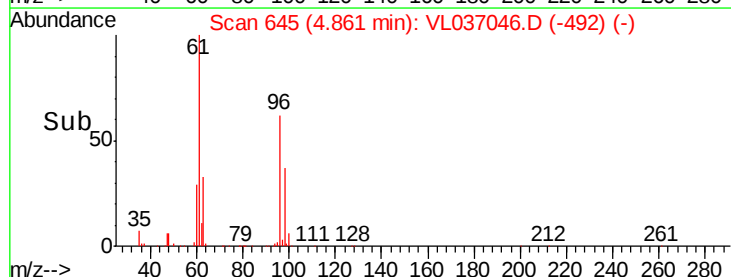
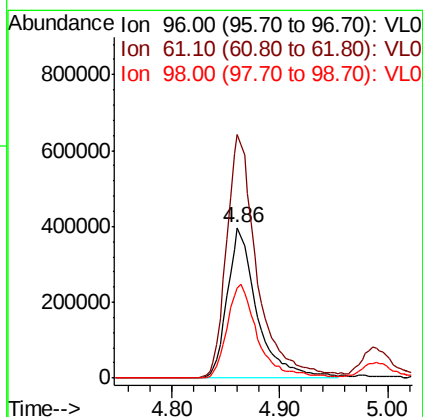
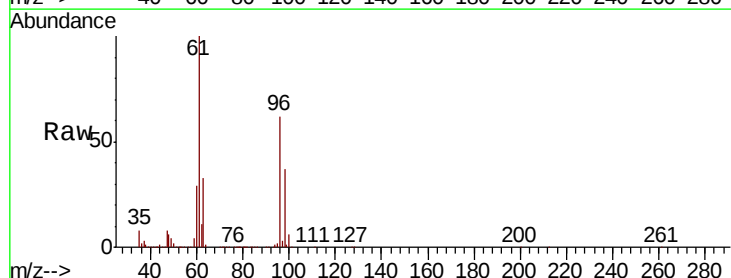
Tgt Ion: 96 Resp: 764573

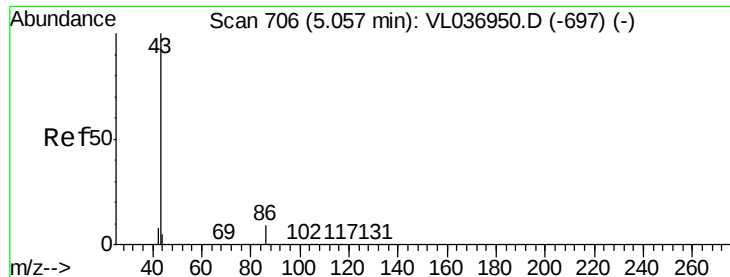
Ion Ratio Lower Upper

96 100

61 162.0 130.6 196.0

98 60.1 50.8 76.2



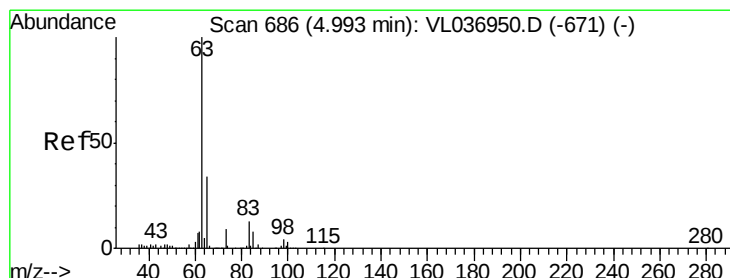
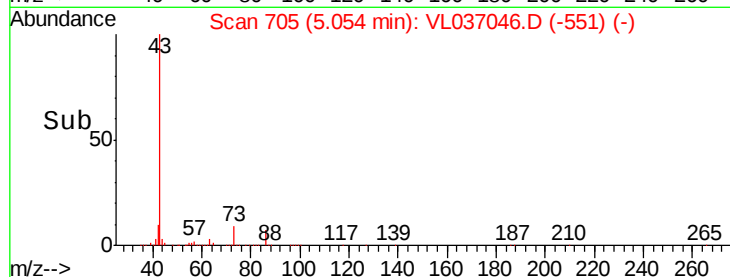
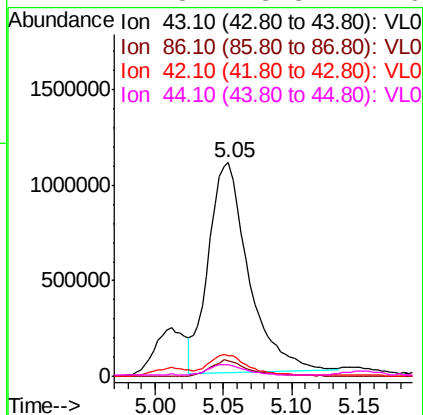
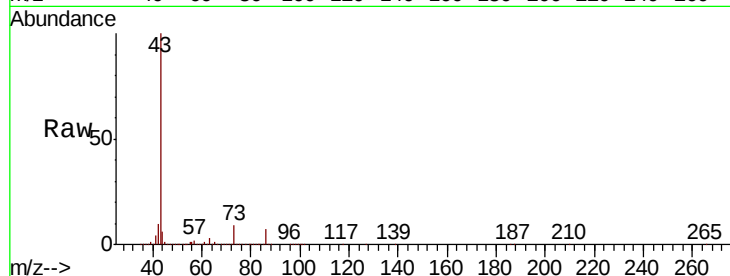


#23
 Vinyl Acetate
 Concen: 10.452 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2265395

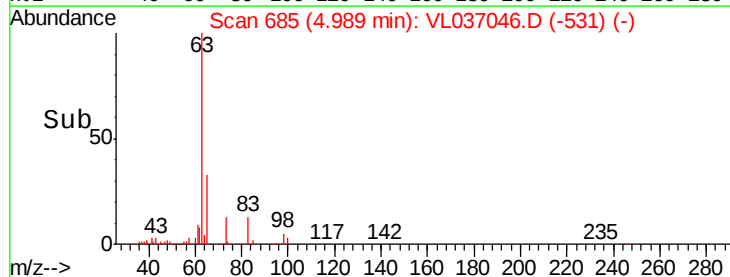
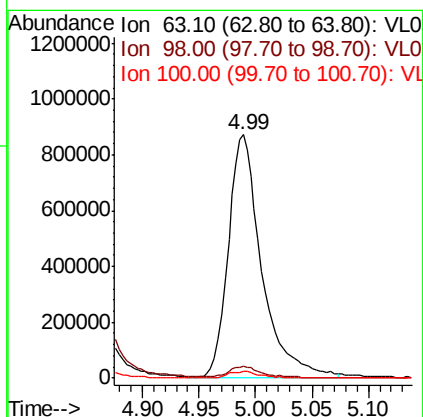
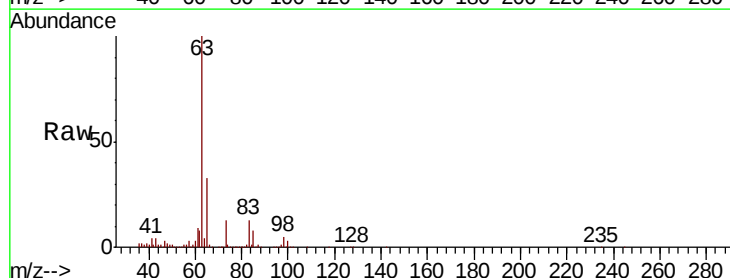
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.7	7.4	11.2
44	4.8	3.3	4.9

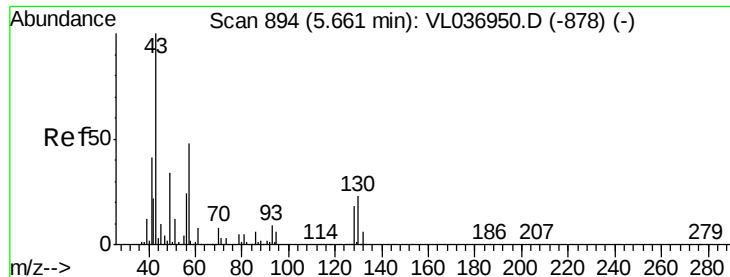


#24
 1,1-Dichloroethane
 Concen: 11.335 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion: 63 Resp: 1768374

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.9
100	2.5	1.4	4.0





#25

Ethyl Acetate

Concen: 10.188 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

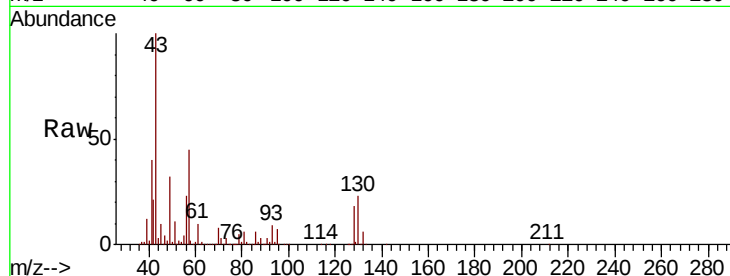
Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3342949

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.8	7.8	11.8
70	7.0	5.6	8.4



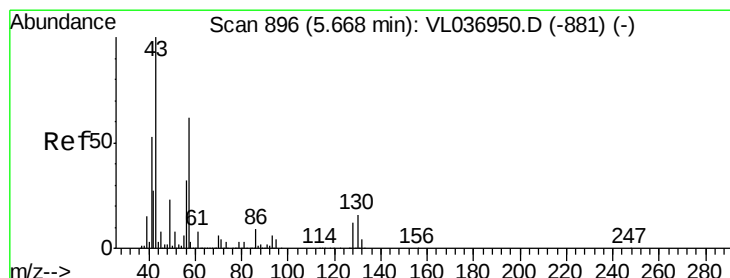
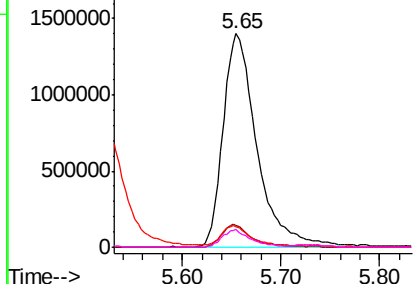
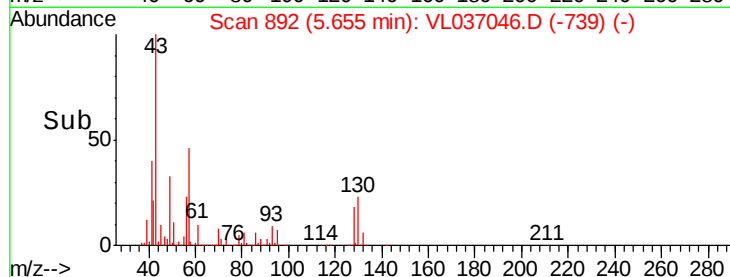
Abundance

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: 9.755 ppbv

RT: 5.66 min Scan# 894

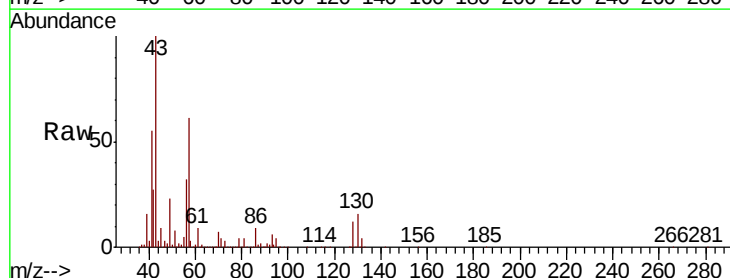
Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Tgt Ion: 57 Resp: 1635282

Ion	Ratio	Lower	Upper
57	100		
41	91.1	70.5	105.7
43	207.7	165.8	248.8
56	52.7	42.2	63.4



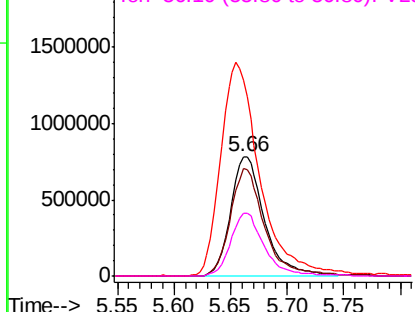
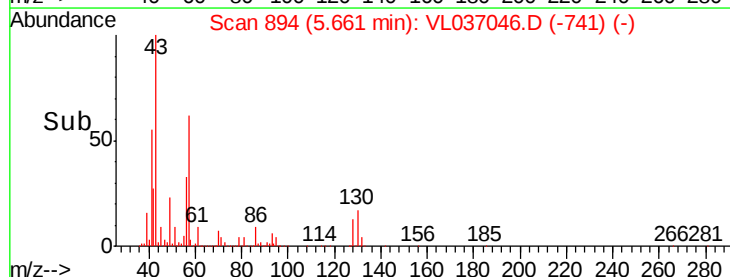
Abundance

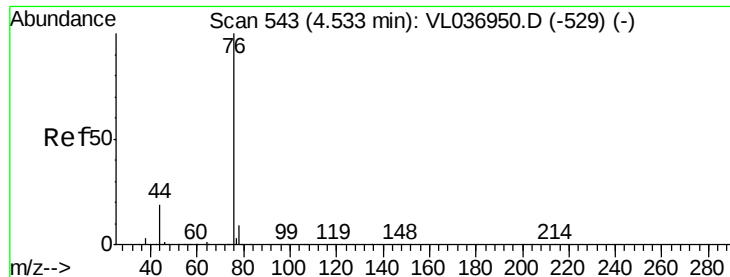
Ion 57.10 (56.80 to 57.80): VL0

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: 10.572 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

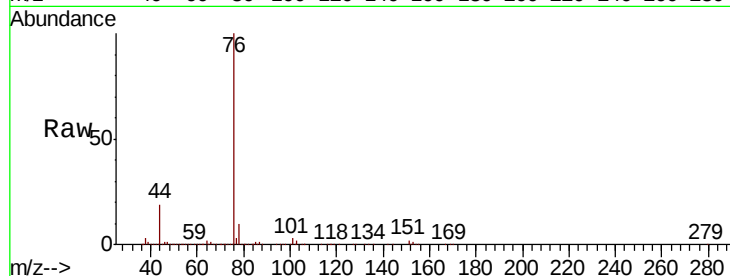
Tot Ion: 76 Resp: 1786151

Ion Ratio Lower Upper

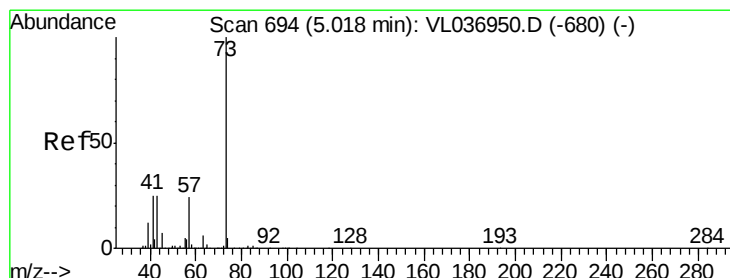
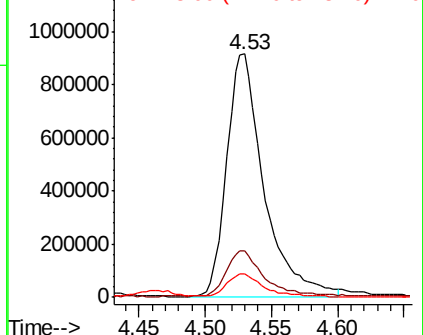
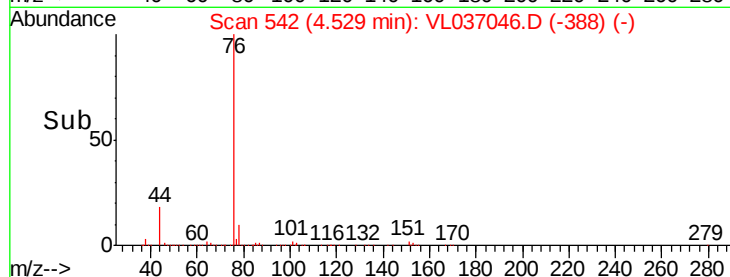
76 100

44 19.3 15.5 23.3

78 10.0 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 10.468 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL037046.D

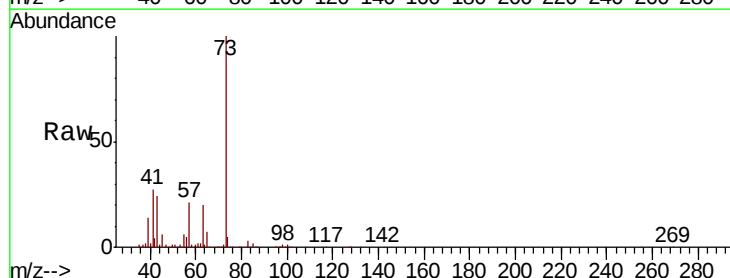
Acq: 24 May 2021 12:28

Tgt Ion: 73 Resp: 2103337

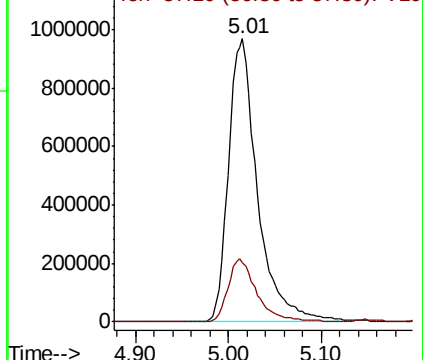
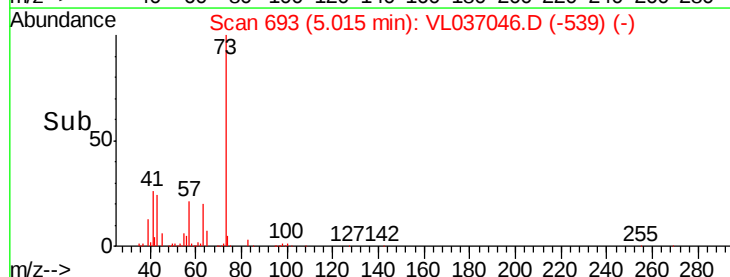
Ion Ratio Lower Upper

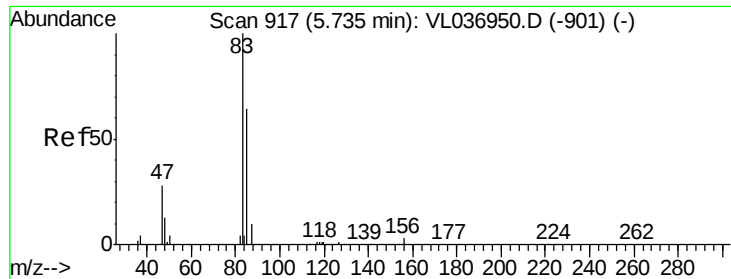
73 100

57 22.3 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

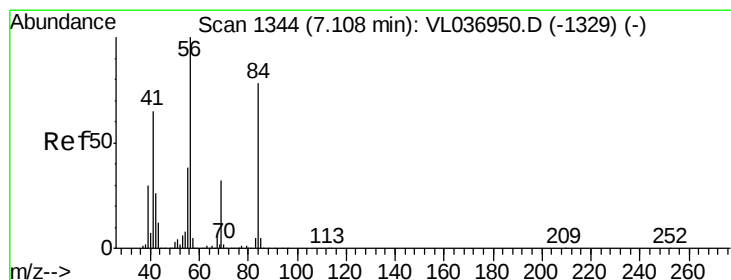
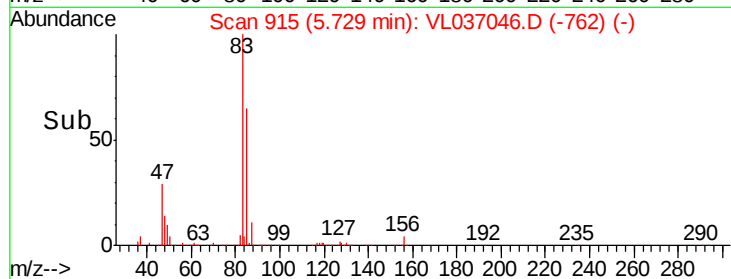
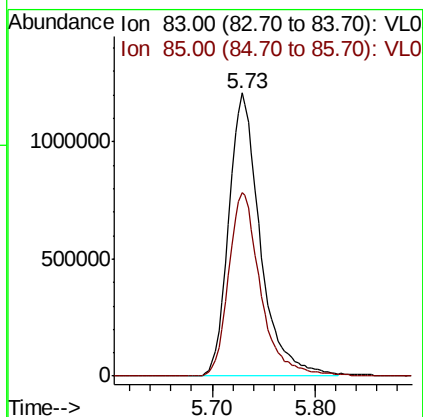
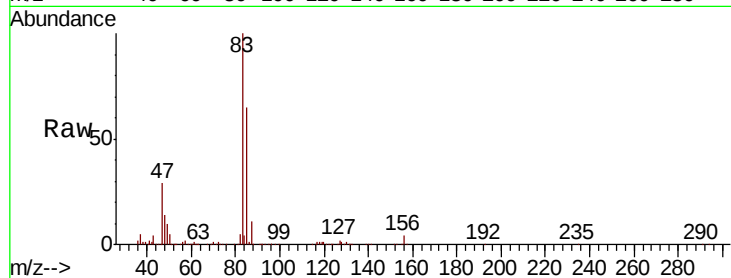




#29
Chloroform
Concen: 10.864 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

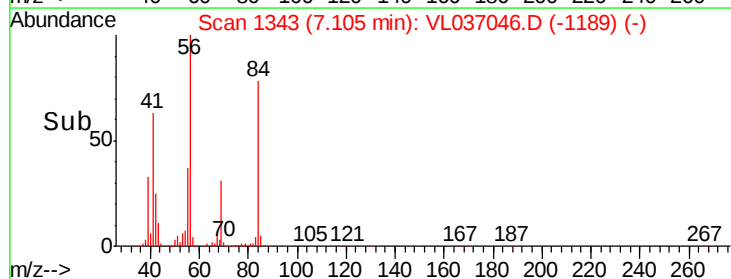
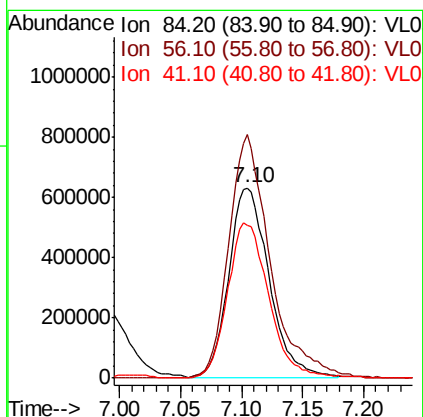
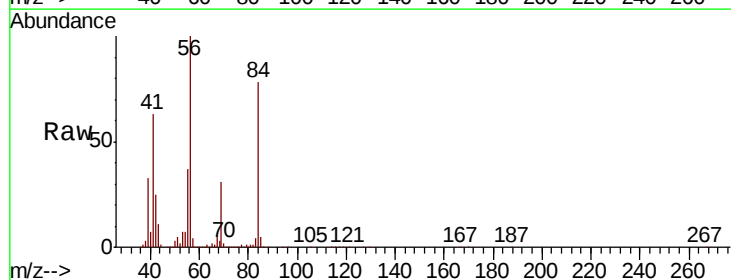
Instrument :
MSVOA_L
ClientSampled :

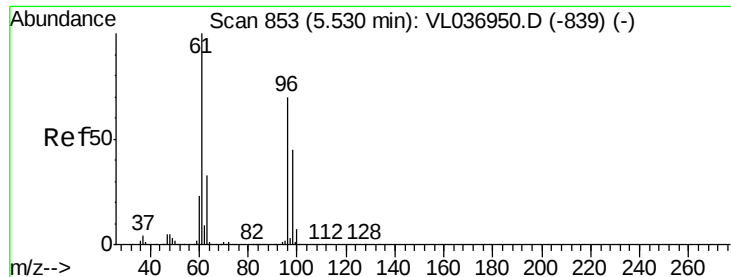
Tot Ion: 83 Resp: 2572896
Ion Ratio Lower Upper
83 100
85 64.7 51.1 76.7



#30
Cyclohexane
Concen: 10.267 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

Tgt Ion: 84 Resp: 1462614
Ion Ratio Lower Upper
84 100
56 131.4 107.9 161.9
41 83.3 65.5 98.3



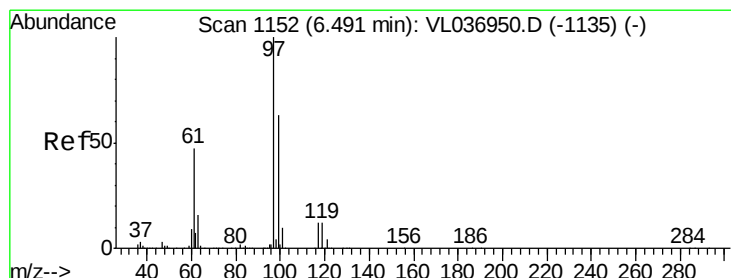
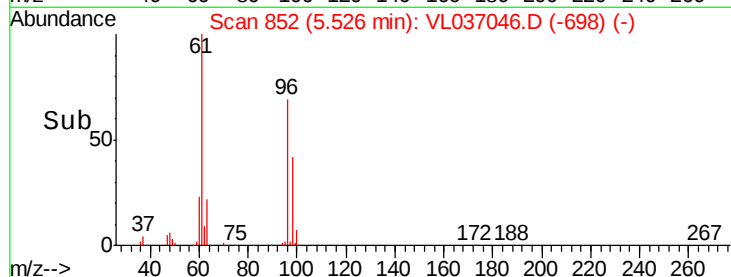
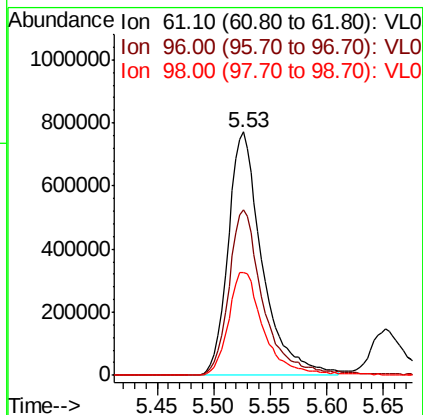
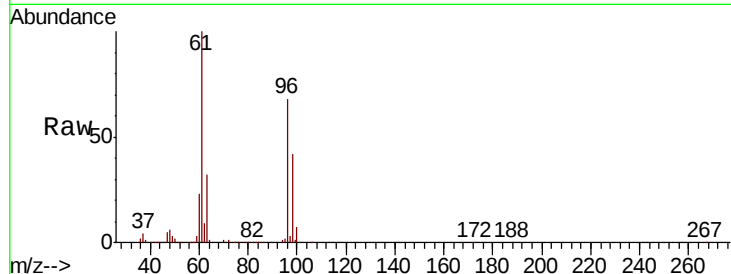


#31

cis-1,2-Dichloroethene
 Concen: 10.726 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampled :

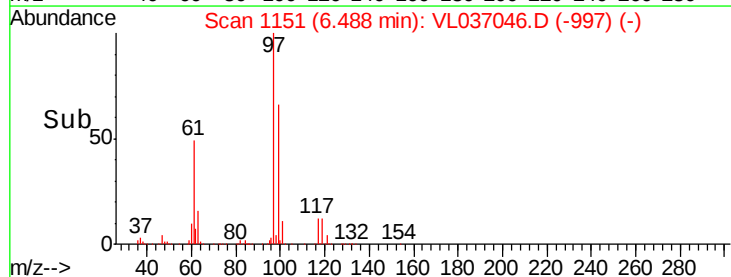
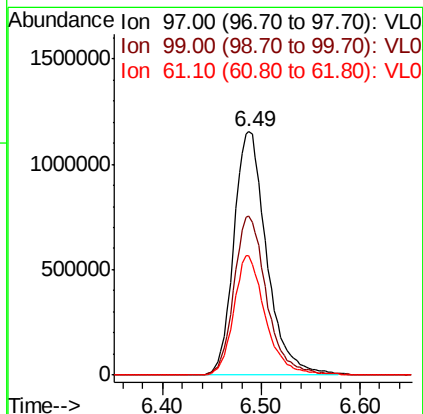
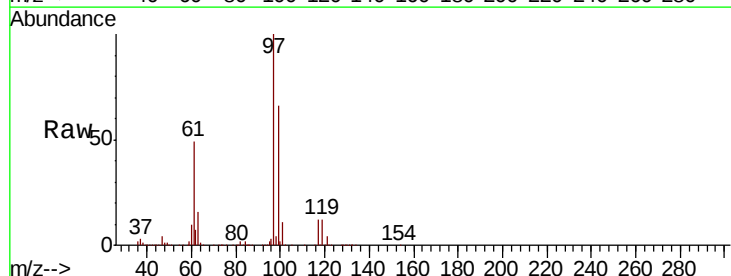
Tot Ion: 61 Resp: 1611984
 Ion Ratio Lower Upper
 61 100
 96 68.1 55.9 83.9
 98 42.3 35.6 53.4

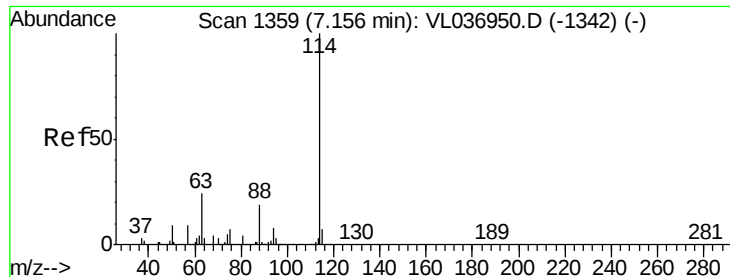


#32

1,1,1-Trichloroethane
 Concen: 10.498 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion: 97 Resp: 2669794
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.9 77.9
 61 47.7 37.6 56.4



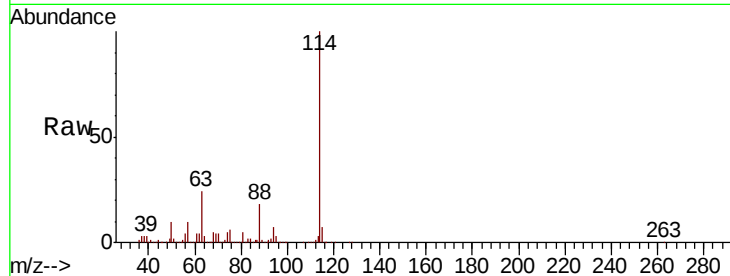


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

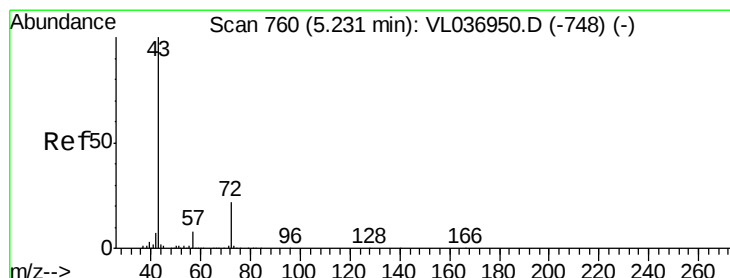
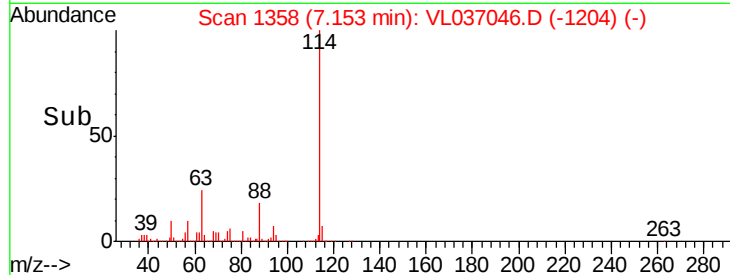
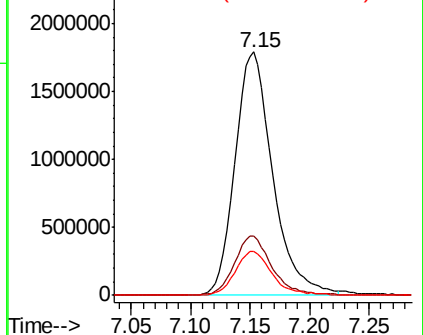
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3939351

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	17.9	14.6	21.8



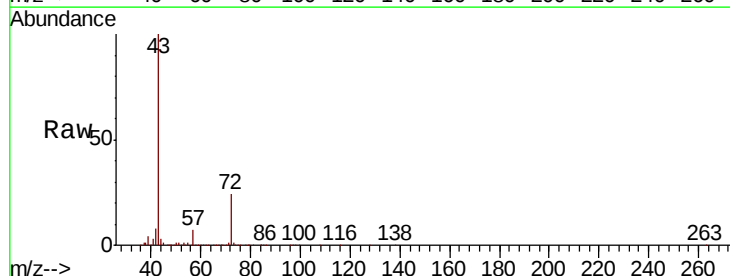
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



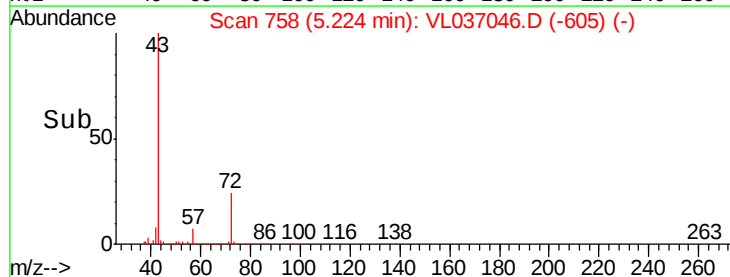
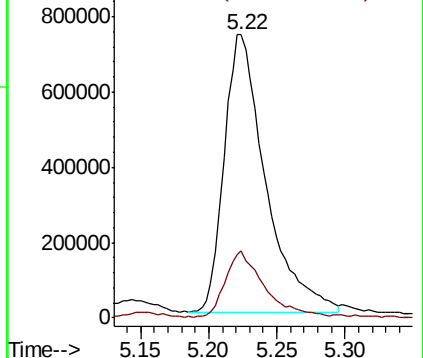
#34
 2-Butanone
 Concen: 10.921 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

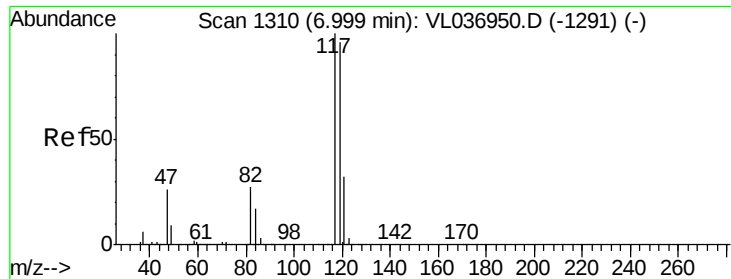
Tgt Ion: 43 Resp: 1566461

Ion	Ratio	Lower	Upper
43	100		
72	24.0	19.0	28.4



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





#35

Carbon Tetrachloride

Concen: 10.721 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

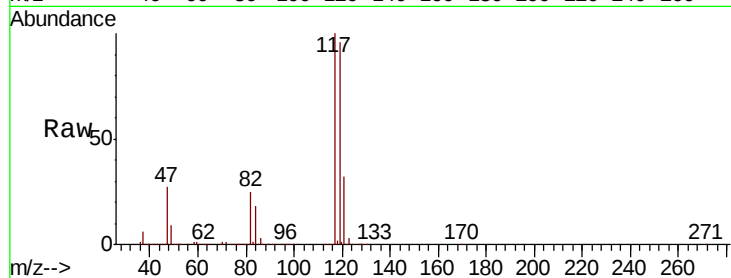
Tot Ion:117 Resp: 2806144

Ion Ratio Lower Upper

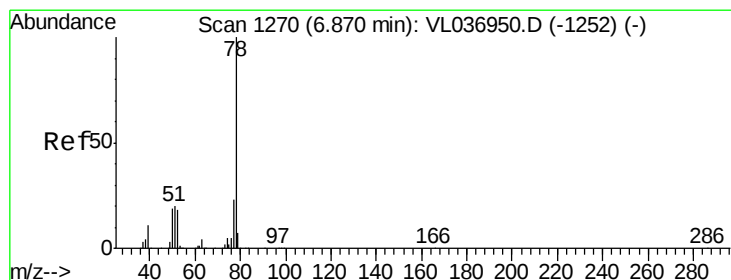
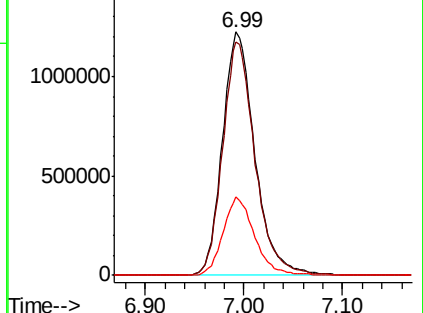
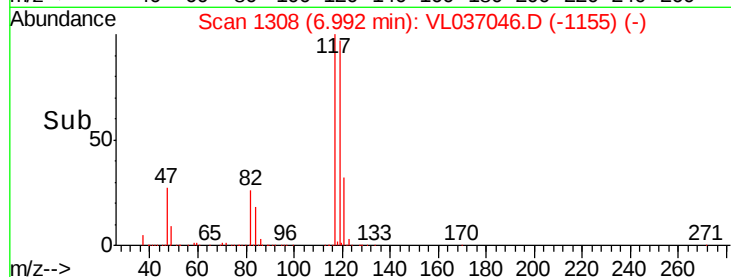
117 100

119 95.9 76.6 114.8

121 32.1 25.8 38.6



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: 10.089 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

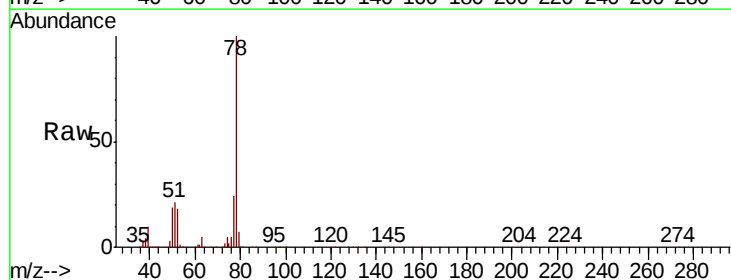
Tgt Ion: 78 Resp: 3423239

Ion Ratio Lower Upper

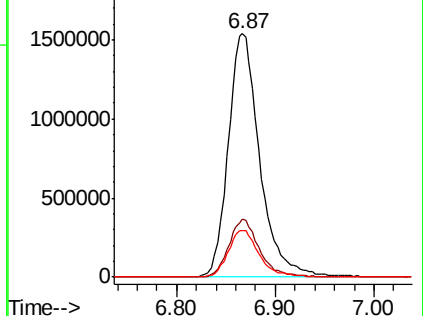
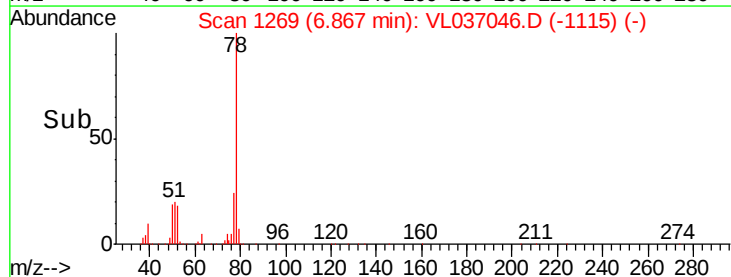
78 100

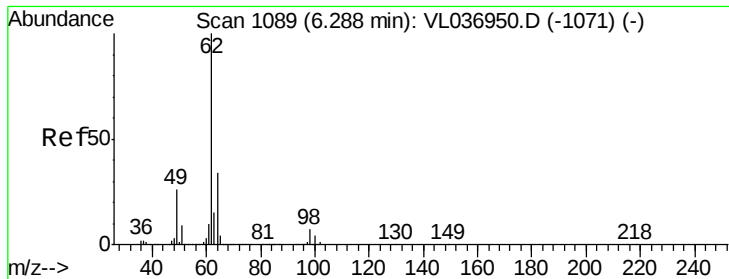
77 23.8 18.6 28.0

50 19.2 15.0 22.4



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: 11.366 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

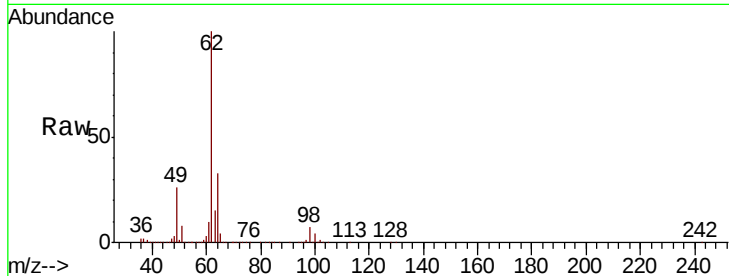
ClientSampleId :

Tot Ion: 62 Resp: 1912116

Ion Ratio Lower Upper

62 100

98 6.4 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.28

800000

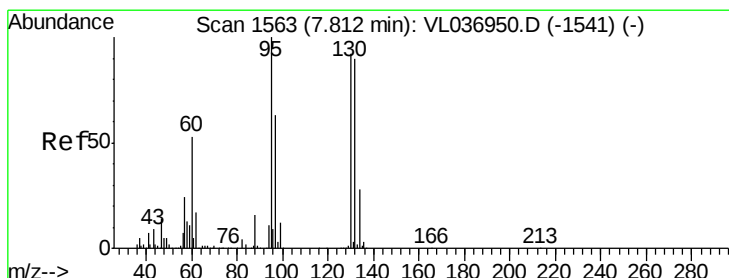
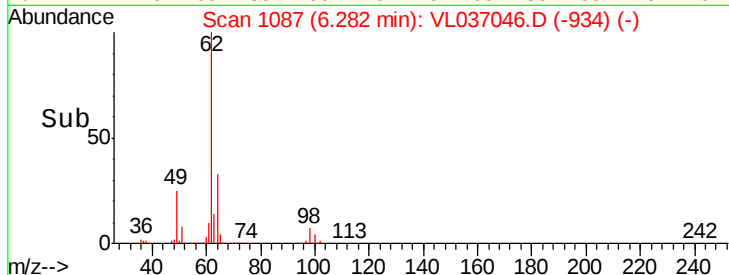
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.837 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Tgt Ion:130 Resp: 1427866

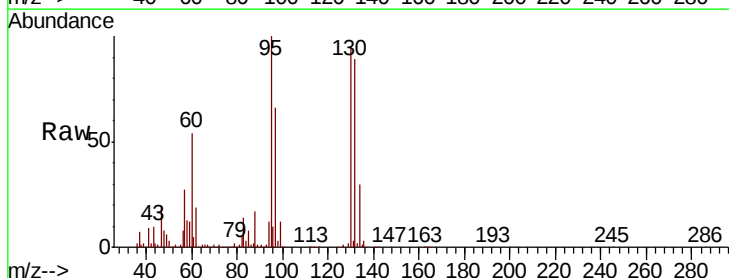
Ion Ratio Lower Upper

130 100

95 105.6 86.9 130.3

132 94.1 78.4 117.6

97 69.6 55.0 82.6



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

1000000

800000

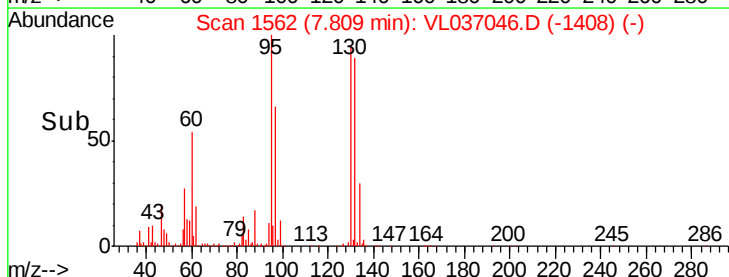
600000

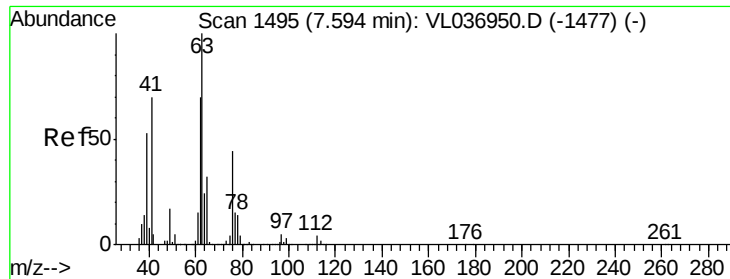
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.973 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

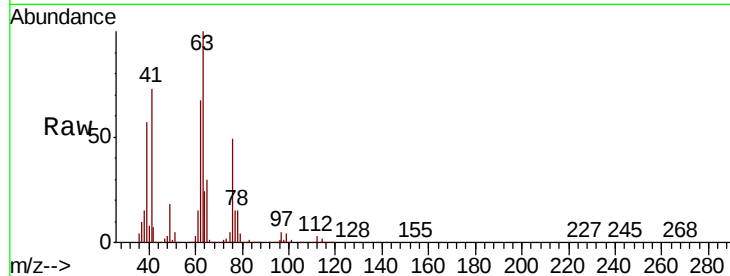
Tot Ion: 63 Resp: 1303566

Ion Ratio Lower Upper

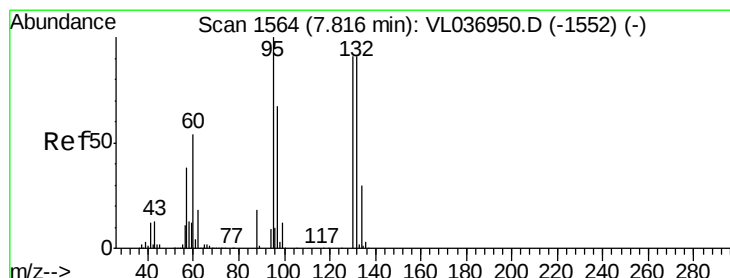
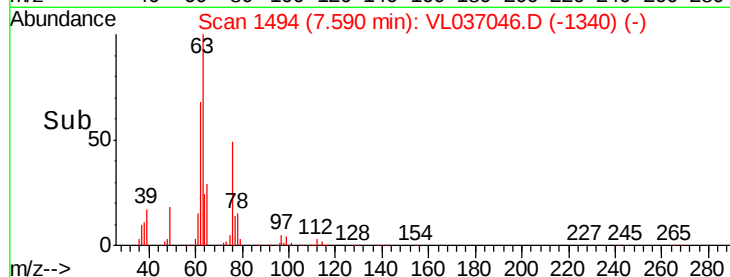
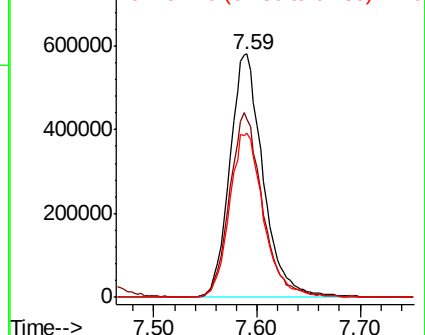
63 100

41 72.9 55.7 83.5

62 67.3 56.2 84.4



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



#40

1,4-Dioxane

Concen: 4.760 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Tgt Ion: 88 Resp: 146926

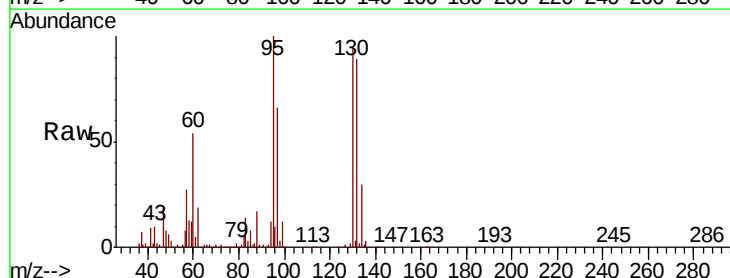
Ion Ratio Lower Upper

88 100

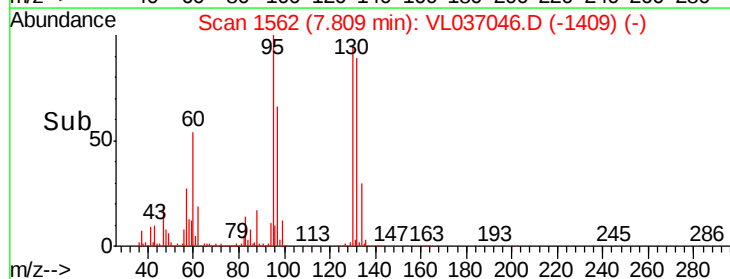
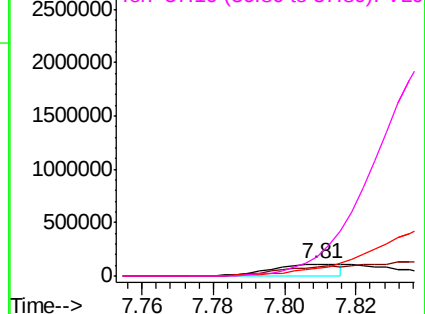
58 0.0 0.0 0.0

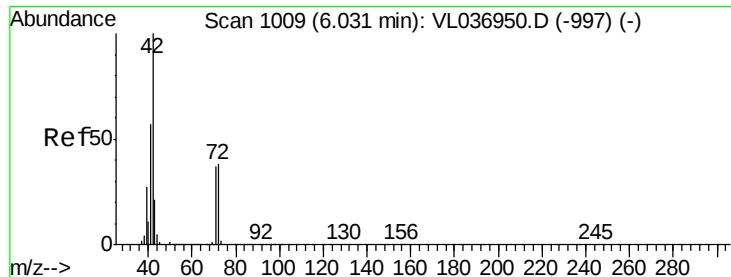
43 0.0 0.0 0.0

57 0.0 0.0 0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.915 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

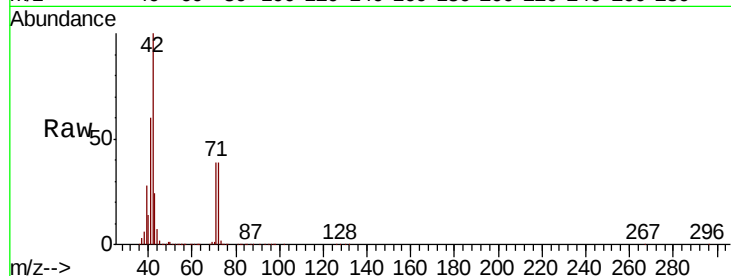
Tot Ion: 42 Resp: 810004

Ion Ratio Lower Upper

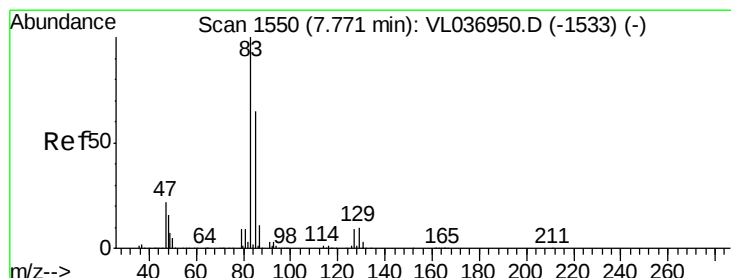
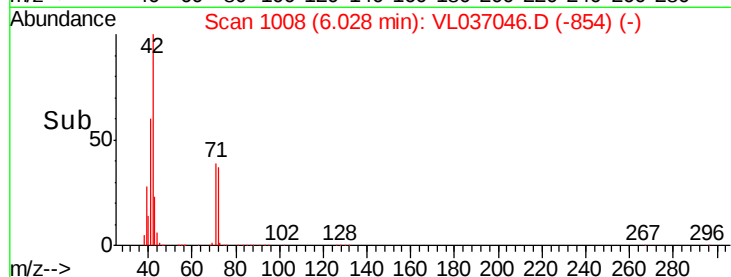
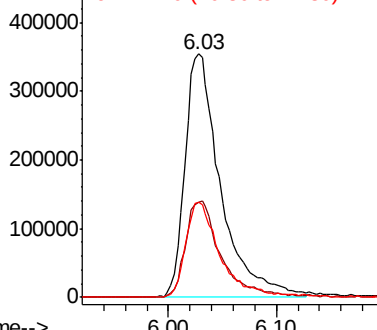
42 100

72 40.2 31.4 47.2

71 38.6 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.905 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

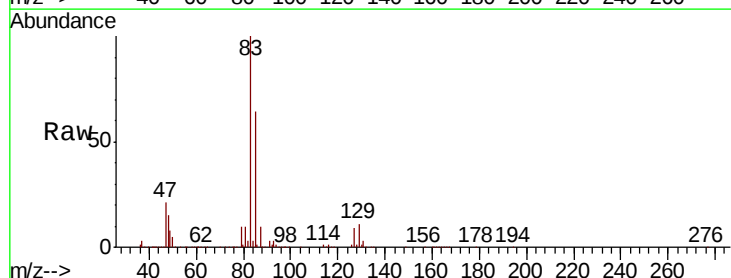
Tgt Ion: 83 Resp: 2775297

Ion Ratio Lower Upper

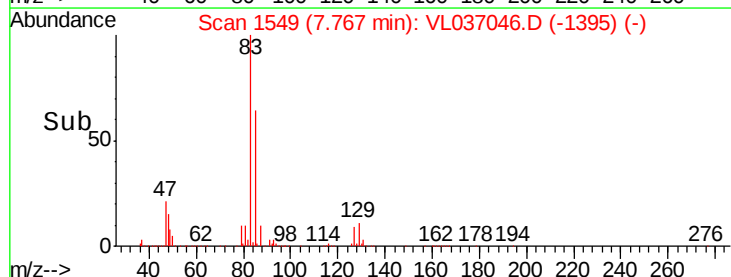
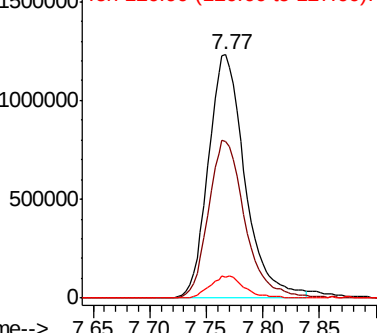
83 100

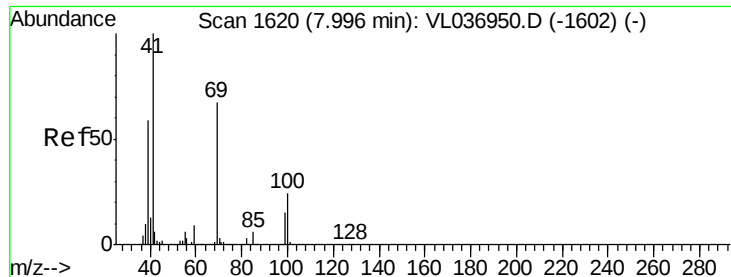
85 64.2 51.7 77.5

127 8.7 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

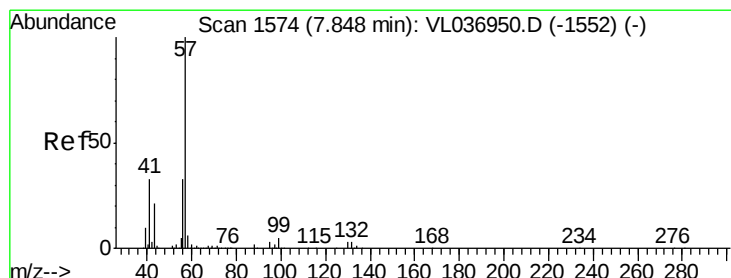
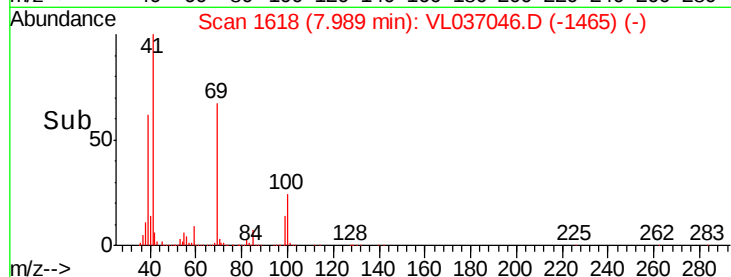
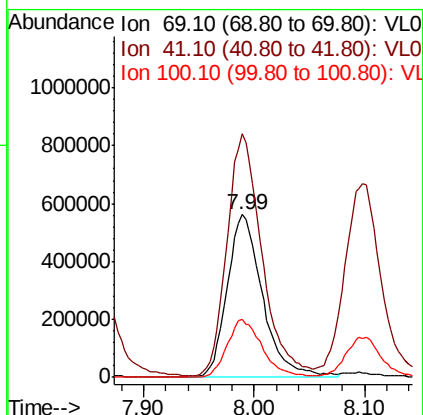
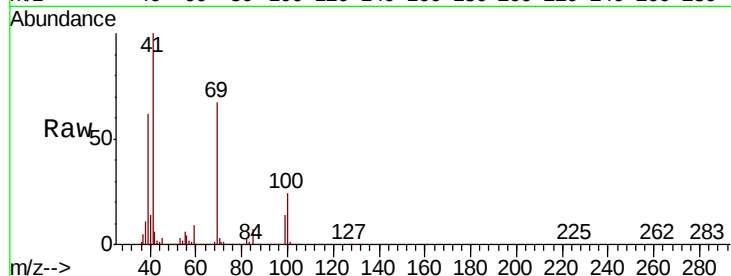




#43
Methyl Methacrylate
Concen: 10.727 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

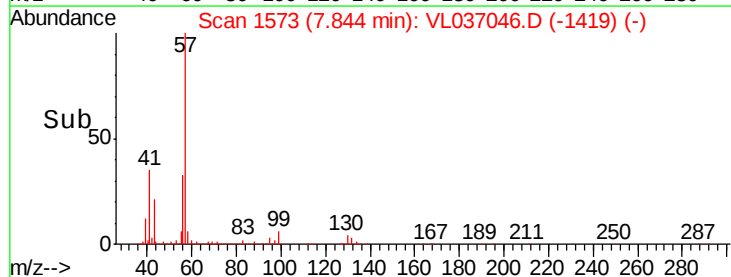
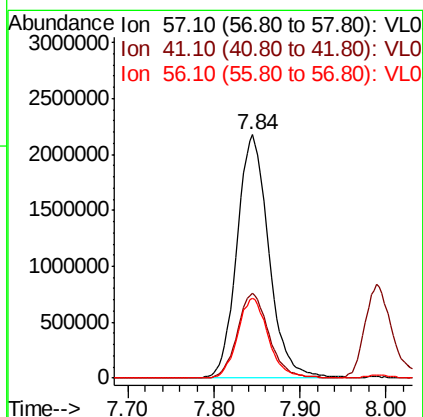
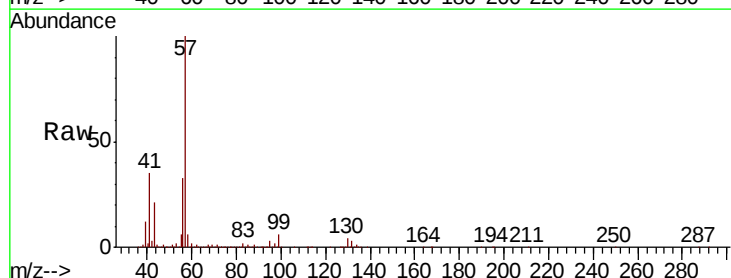
Instrument :
MSVOA_L
ClientSampleId :

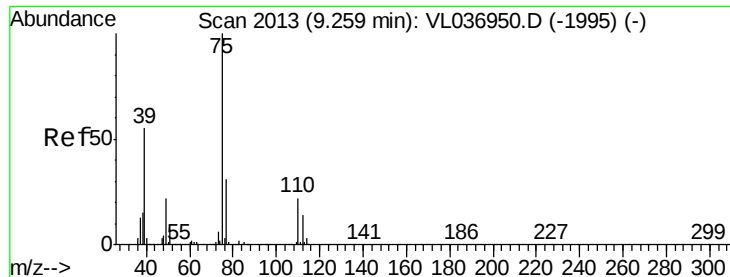
Tot Ion: 69 Resp: 1254552
Ion Ratio Lower Upper
69 100
41 147.3 118.6 178.0
100 35.5 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 9.617 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

Tgt Ion: 57 Resp: 5598611
Ion Ratio Lower Upper
57 100
41 34.6 27.0 40.4
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.919 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

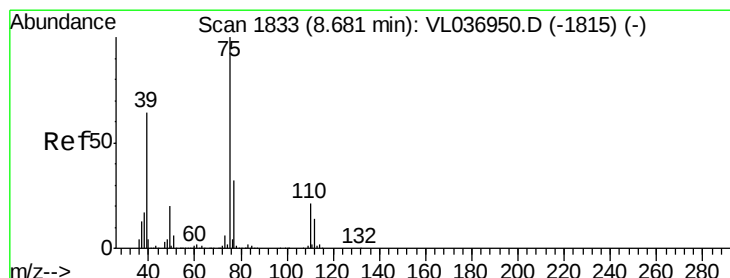
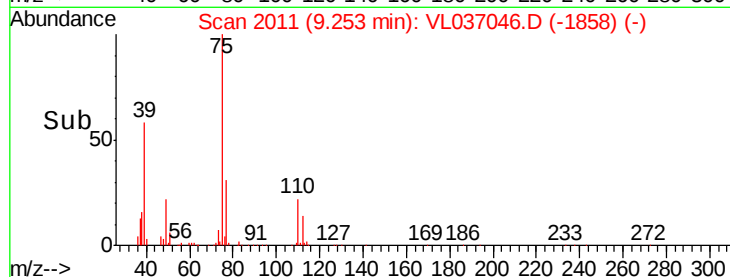
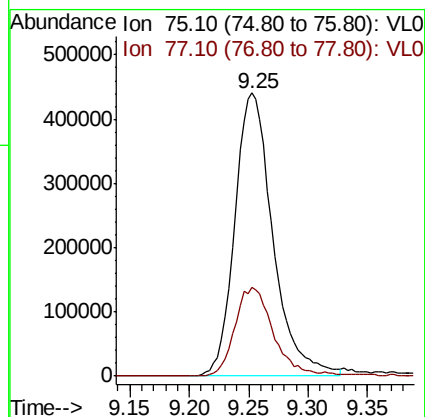
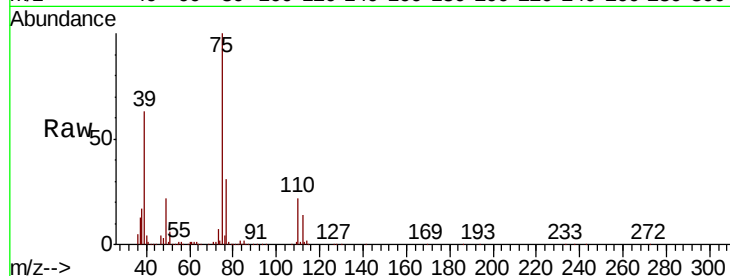
ClientSampleId :

Tot Ion: 75 Resp: 975637

Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.544 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

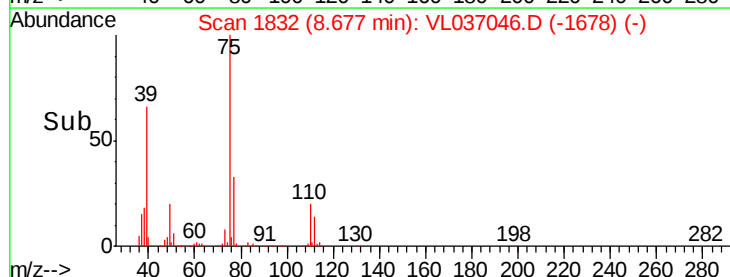
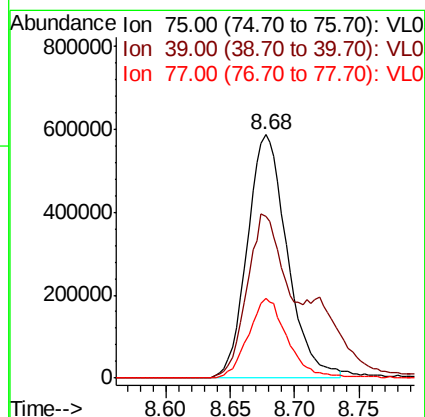
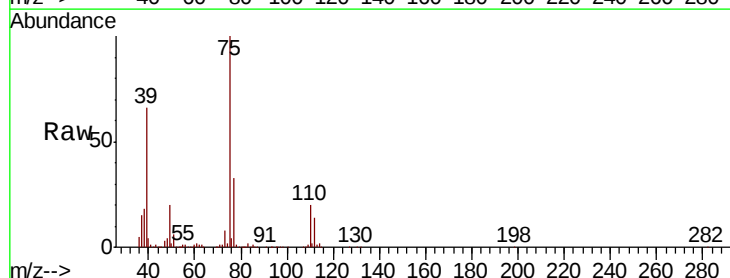
Tgt Ion: 75 Resp: 1267223

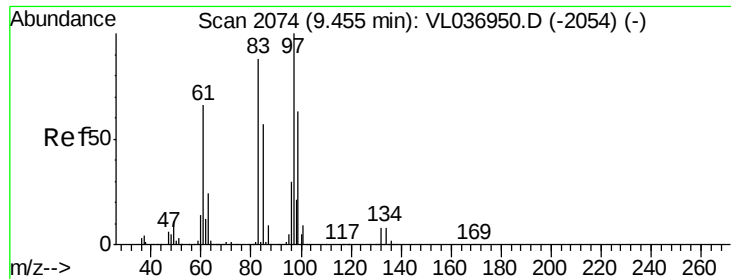
Ion Ratio Lower Upper

75 100

39 66.1 51.5 77.3

77 33.0 25.9 38.9



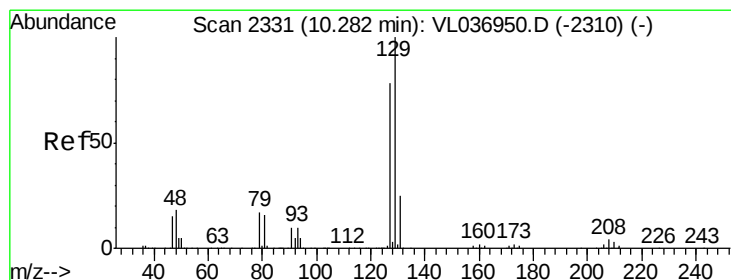
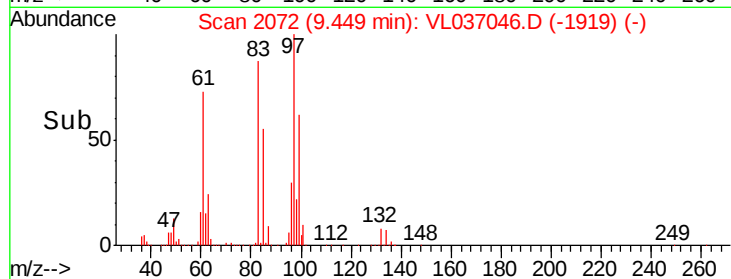
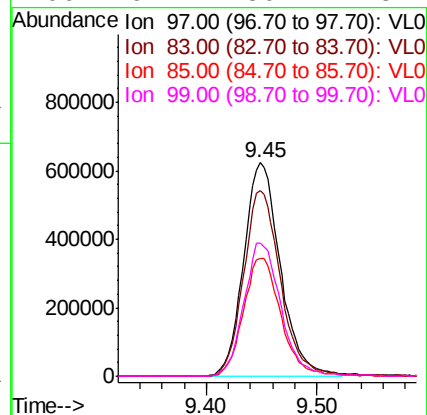
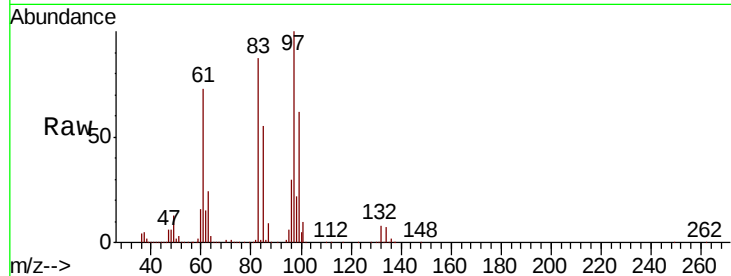


#47
 1,1,2-Trichloroethane
 Concen: 10.519 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1439068

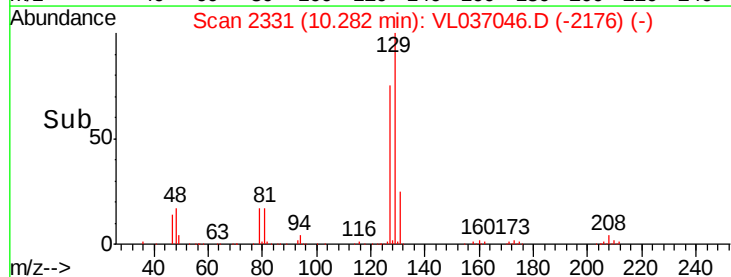
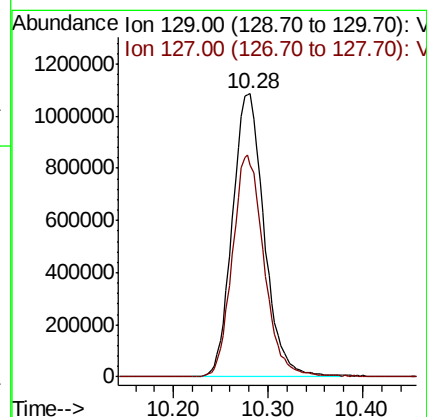
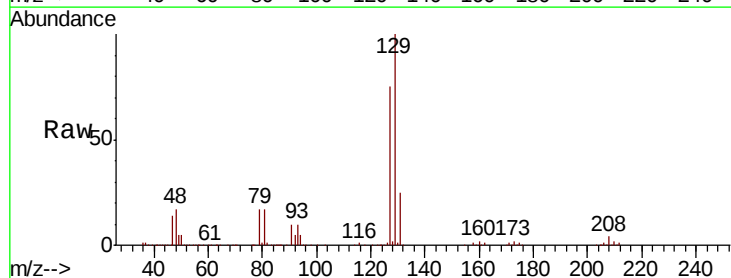
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.4	105.6
85	55.1	45.5	68.3
99	62.2	50.2	75.2

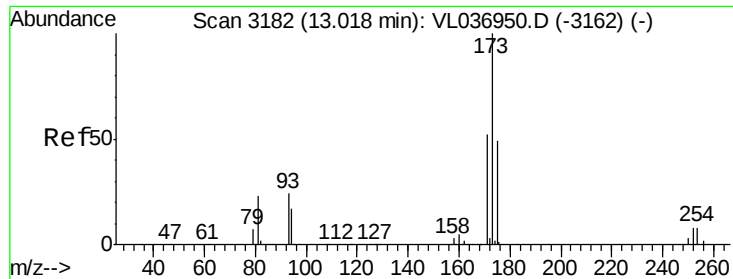


#48
 Dibromochloromethane
 Concen: 11.455 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion: 129 Resp: 2537355

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8





#49

Bromoform

Concen: 11.635 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

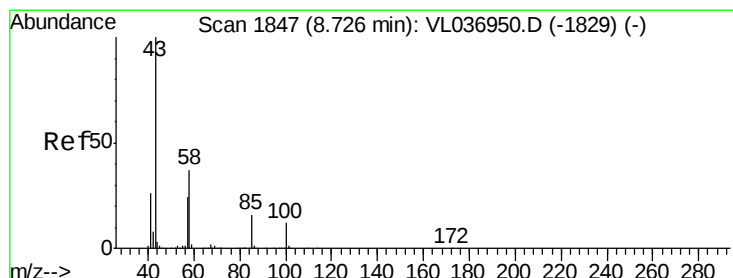
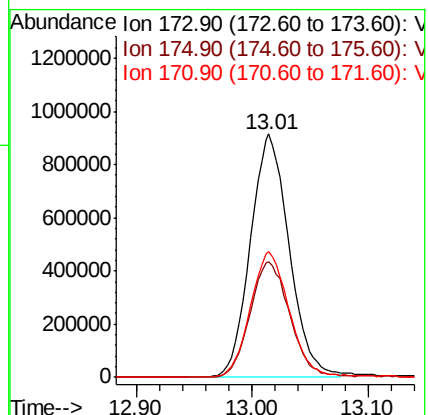
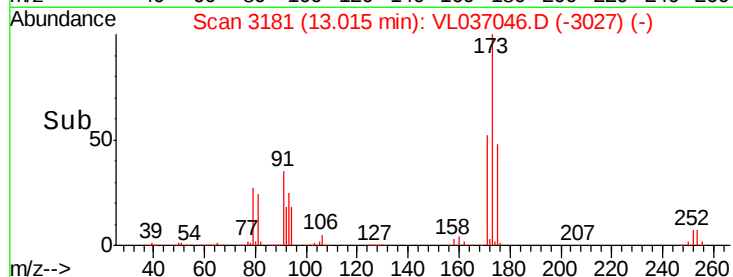
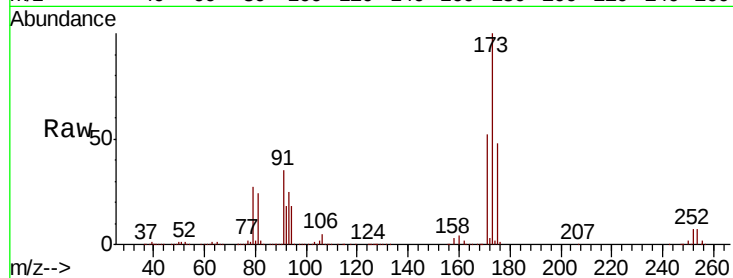
Tot Ion:173 Resp: 2128537

Ion Ratio Lower Upper

173 100

175 49.4 40.4 60.6

171 52.7 42.6 64.0



#50

4-Methyl-2-Pentanone

Concen: 10.233 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037046.D

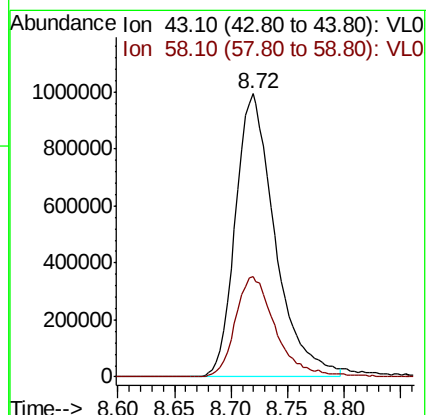
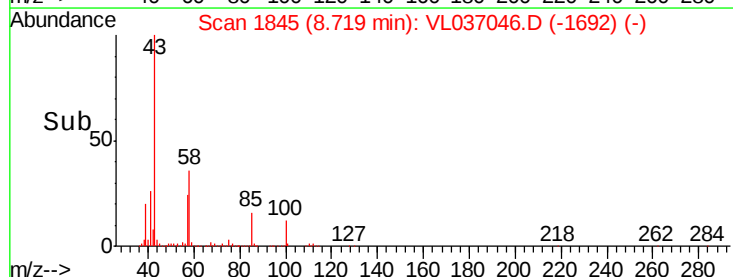
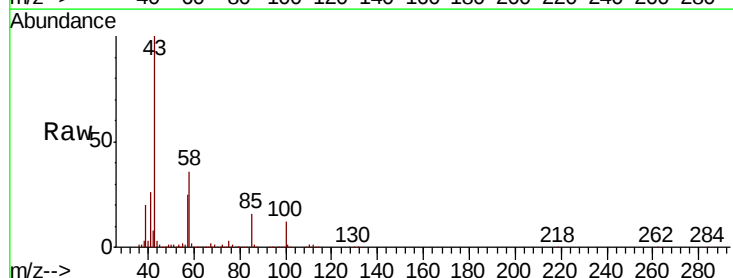
Acq: 24 May 2021 12:28

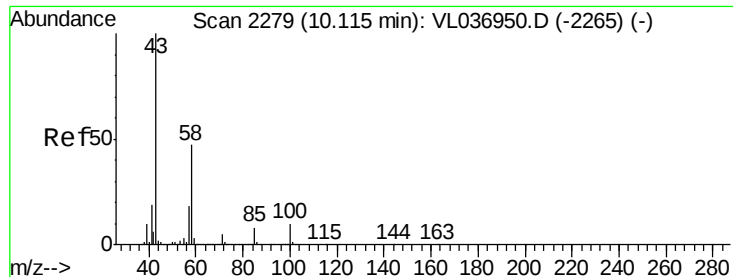
Tgt Ion: 43 Resp: 2422071

Ion Ratio Lower Upper

43 100

58 36.6 29.4 44.2

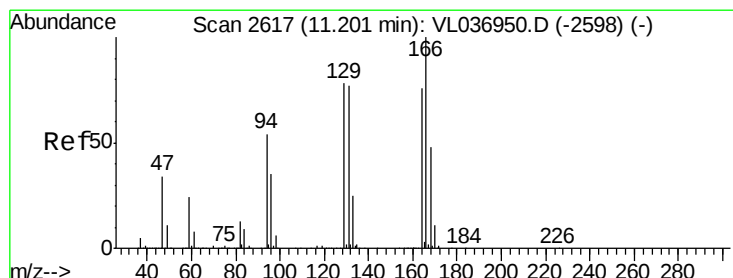
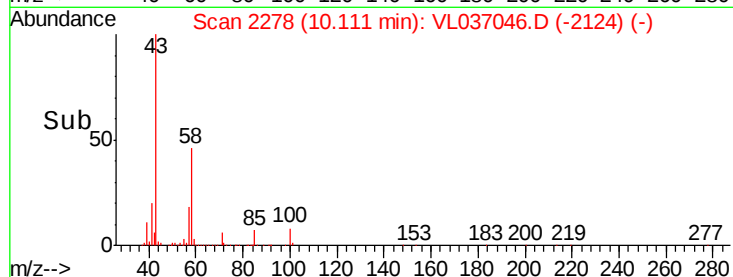
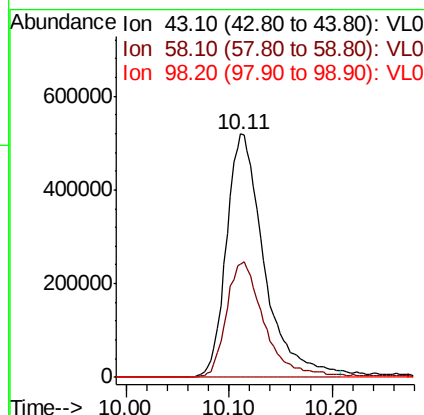
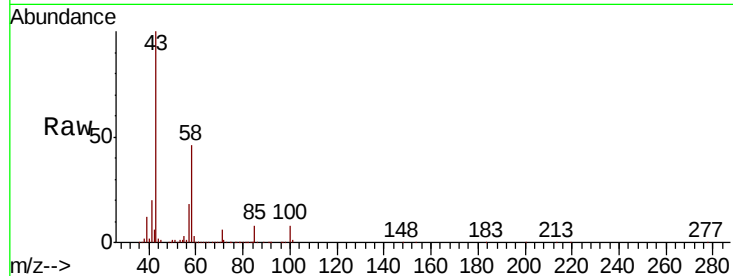




#51
2-Hexanone
Concen: 10.523 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.00 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

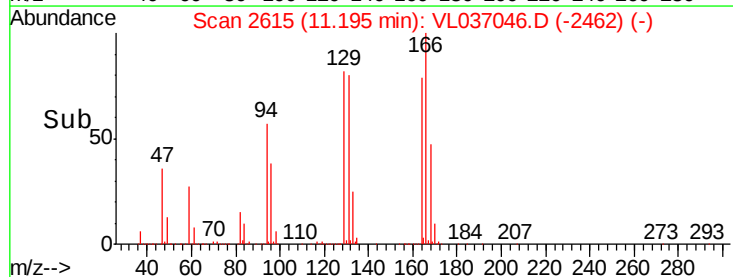
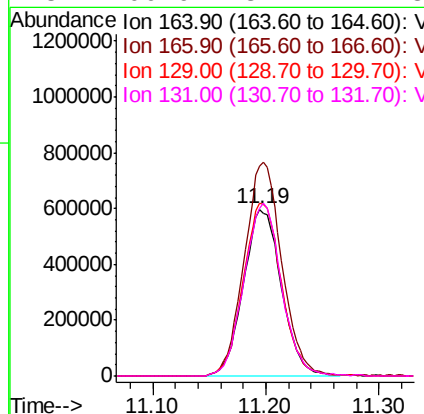
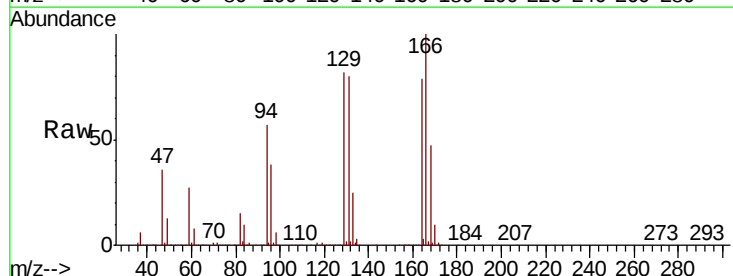
Instrument :
MSVOA_L
ClientSampleId :

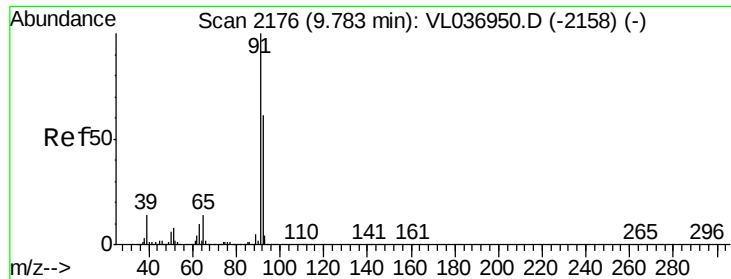
Tot Ion: 43 Resp: 1316740
Ion Ratio Lower Upper
43 100
58 48.7 41.1 61.7
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.302 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

Tgt Ion:164 Resp: 1390095
Ion Ratio Lower Upper
164 100
166 126.2 105.5 158.3
129 104.0 81.8 122.8
131 100.9 81.2 121.8





#53

Toluene

Concen: 10.143 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

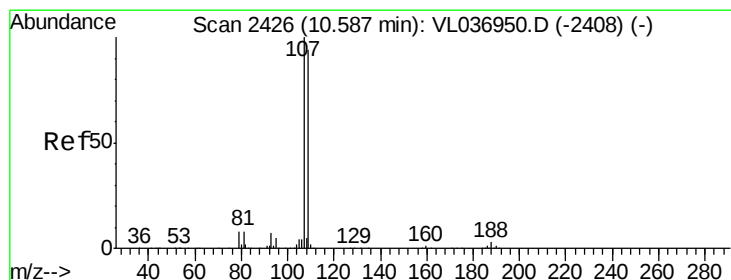
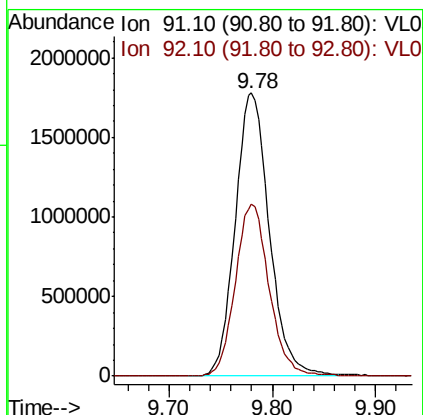
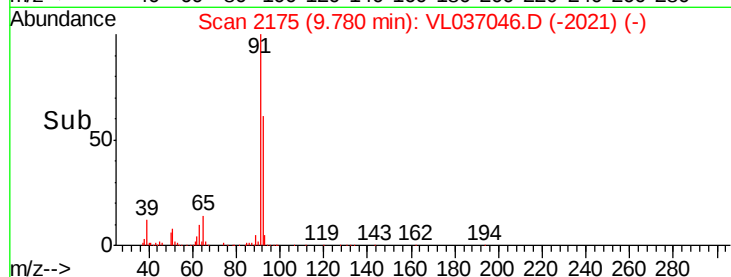
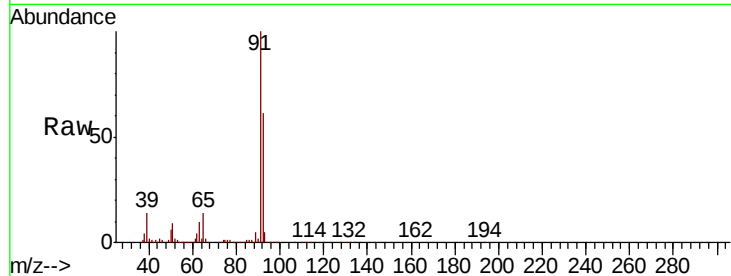
ClientSampleId :

Tot Ion: 91 Resp: 4095000

Ion Ratio Lower Upper

91 100

92 60.7 49.5 74.3



#54

1,2-Dibromoethane

Concen: 10.867 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL037046.D

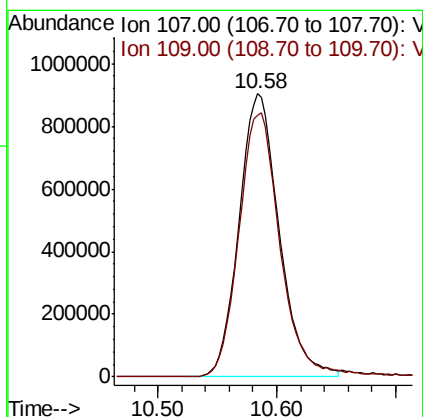
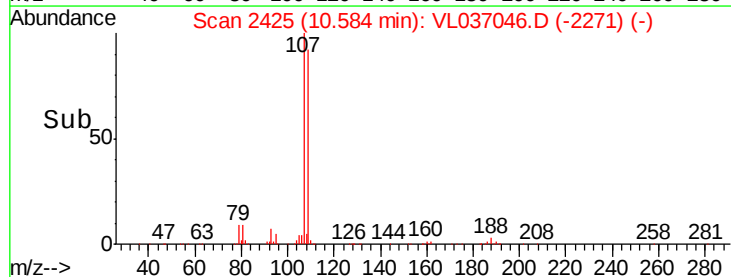
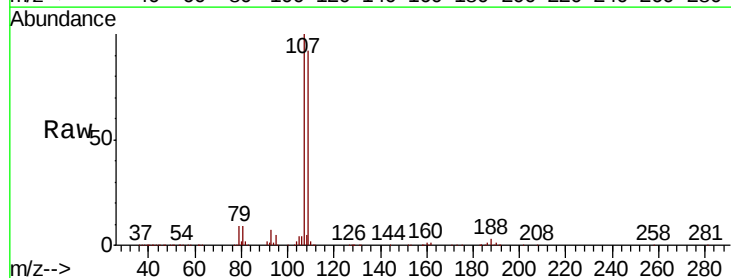
Acq: 24 May 2021 12:28

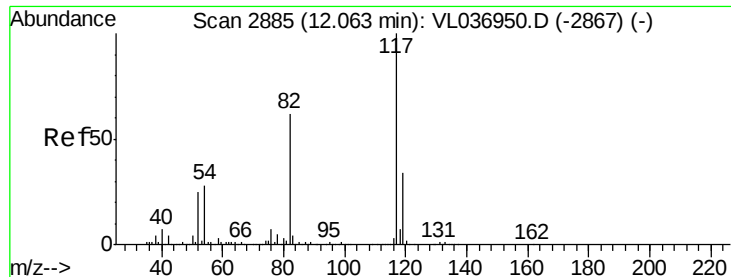
Tgt Ion: 107 Resp: 2113567

Ion Ratio Lower Upper

107 100

109 92.3 75.0 112.4

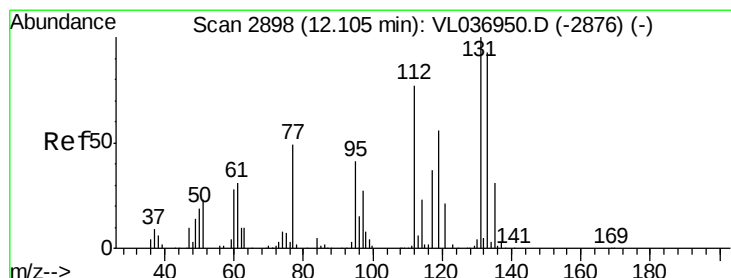
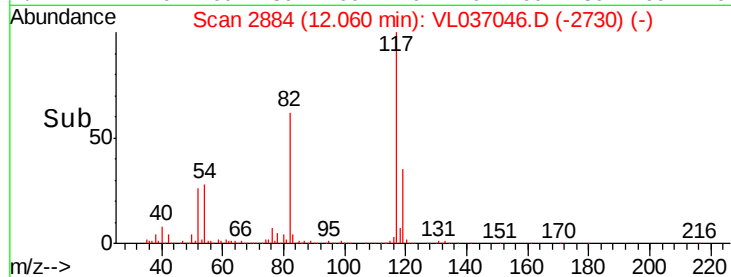
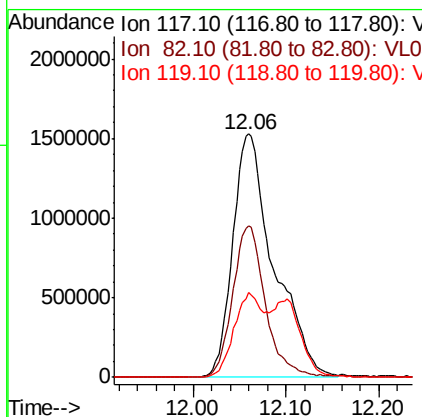
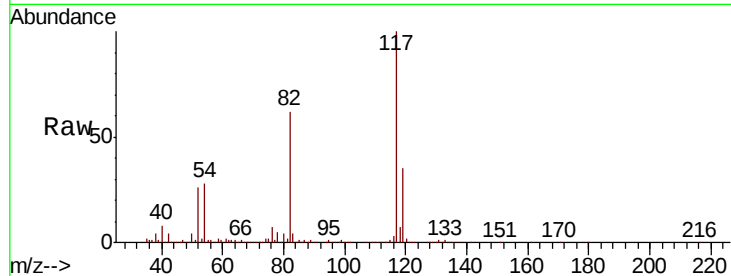




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

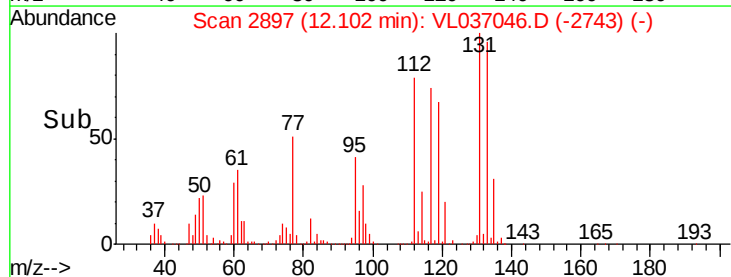
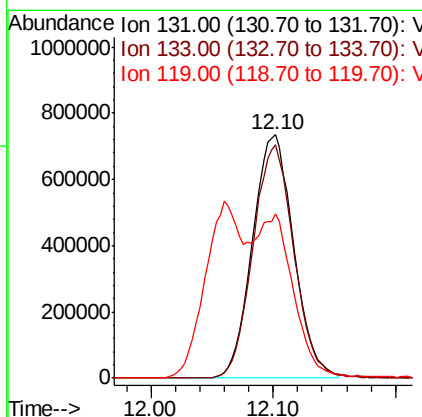
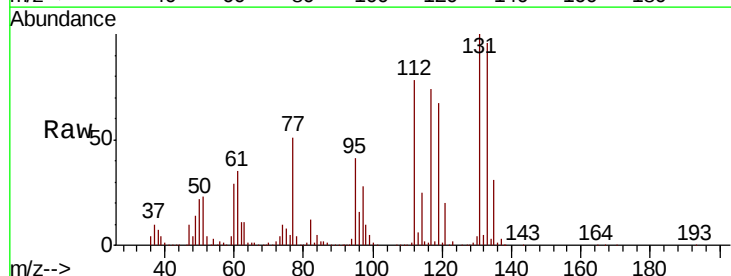
Instrument :
MSVOA_L
ClientSampleId :

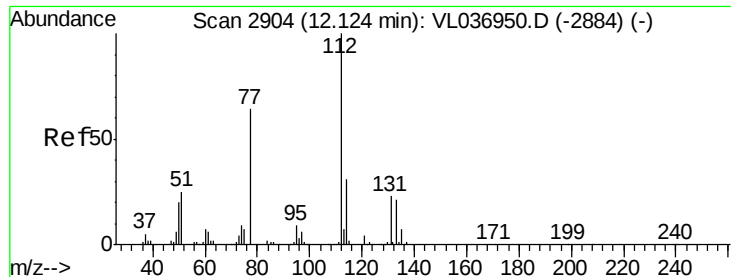
Tot Ion:117 Resp: 4713514
Ion Ratio Lower Upper
117 100
82 50.1 52.6 79.0#
119 24.5 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.669 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL037046.D
Acq: 24 May 2021 12:28

Tgt Ion:131 Resp: 1719359
Ion Ratio Lower Upper
131 100
133 95.9 76.9 115.3
119 69.2 120.2 180.4#





#57

Chlorobenzene

Concen: 8.442 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

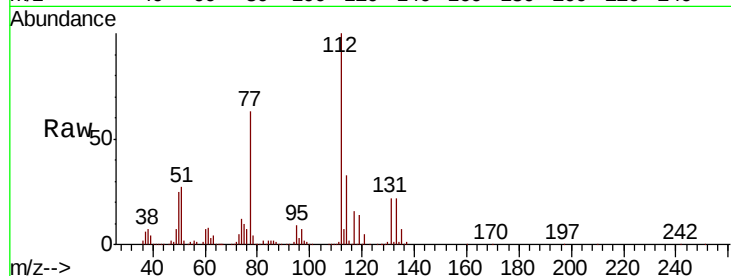
Tot Ion:112 Resp: 3085368

Ion Ratio Lower Upper

112 100

77 62.8 51.0 76.6

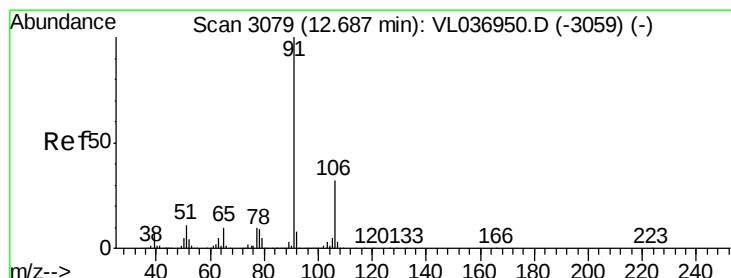
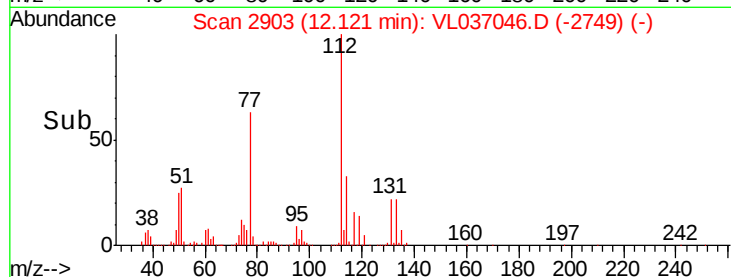
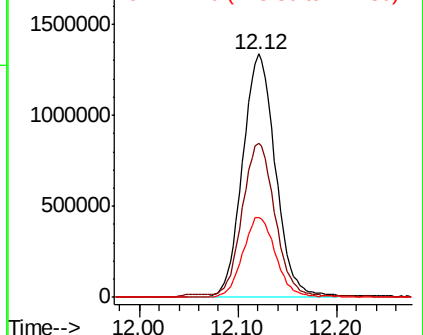
114 32.7 28.3 34.5



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: 8.178 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL037046.D

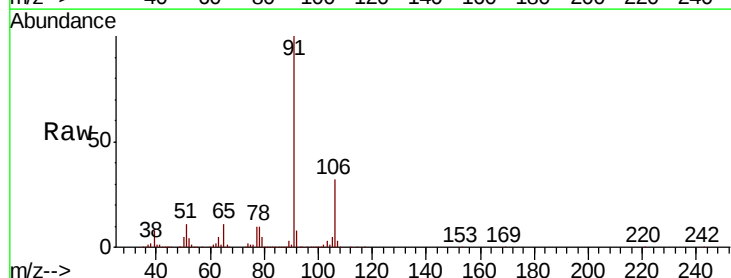
Acq: 24 May 2021 12:28

Tgt Ion: 91 Resp: 5440565

Ion Ratio Lower Upper

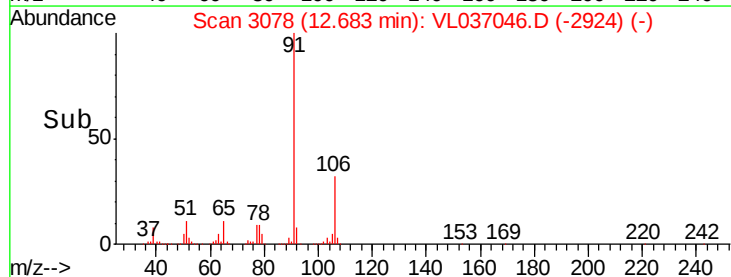
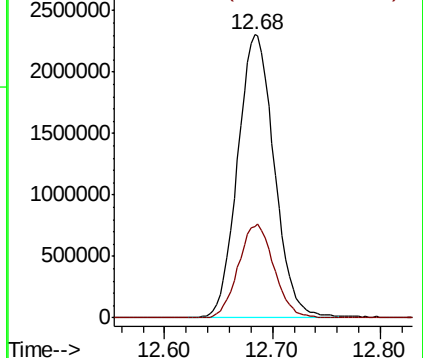
91 100

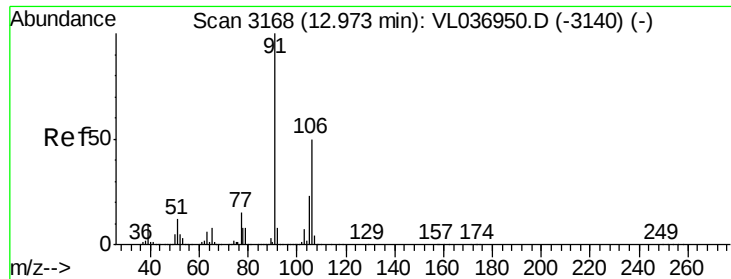
106 32.2 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.483 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

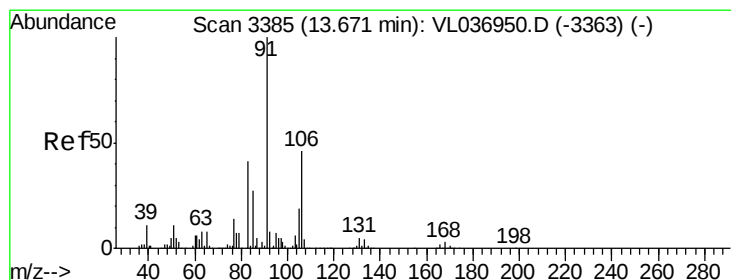
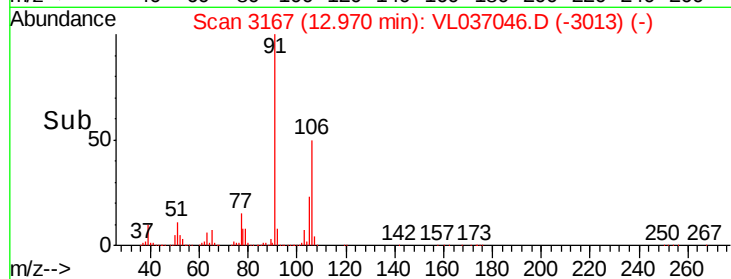
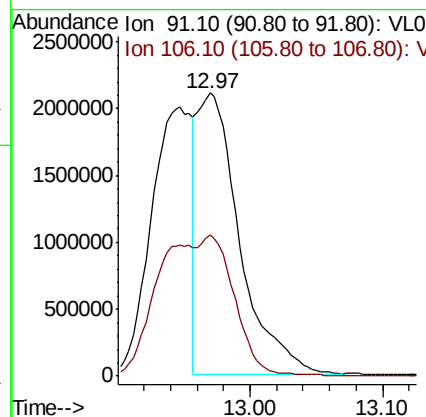
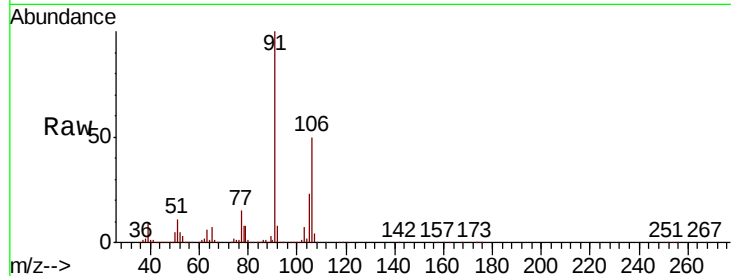
ClientSampleId :

Tot Ion: 91 Resp: 4664905

Ion Ratio Lower Upper

91 100

106 89.7 37.4 56.2#



#60

o-Xylene

Concen: 8.239 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL037046.D

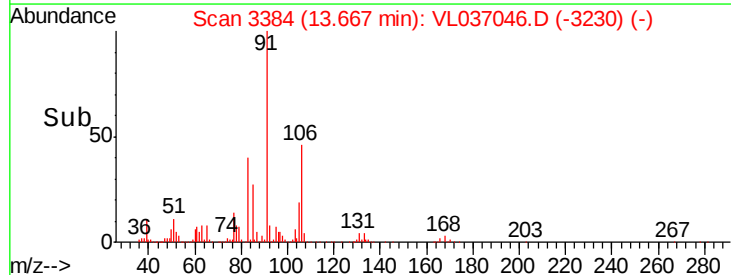
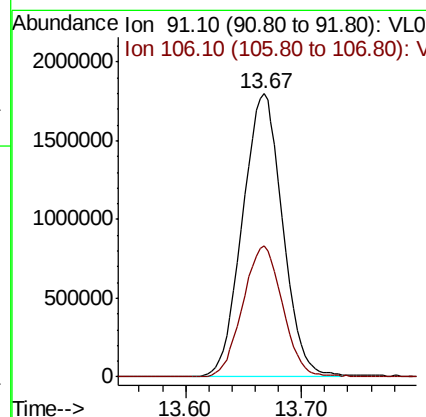
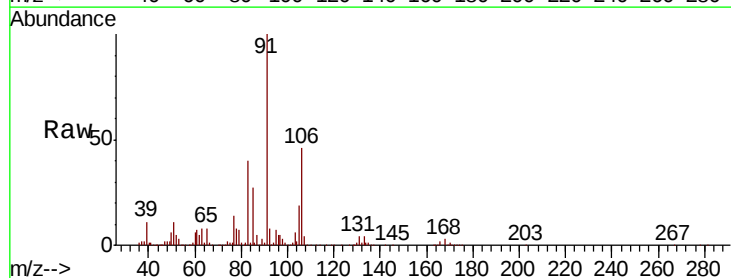
Acq: 24 May 2021 12:28

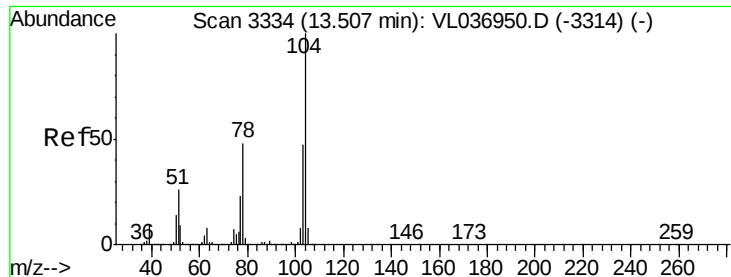
Tgt Ion: 91 Resp: 4321107

Ion Ratio Lower Upper

91 100

106 46.1 23.4 70.3





#61

Stvrene

Concen: 8.663 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

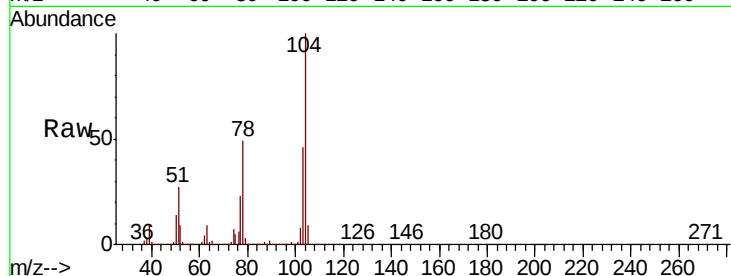
Tot Ion:104 Resp: 2559711

Ion Ratio Lower Upper

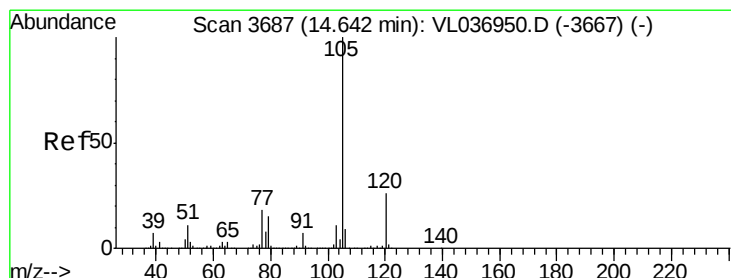
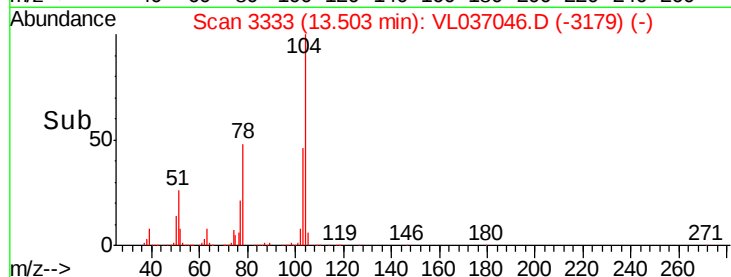
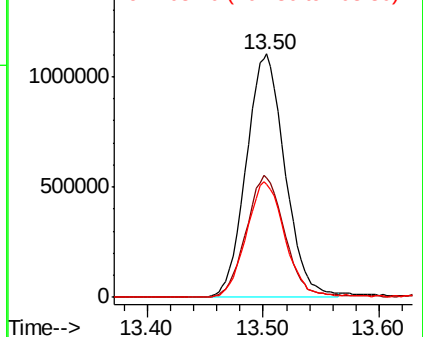
104 100

78 50.3 39.0 58.6

103 47.8 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V
1500000
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.112 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL037046.D

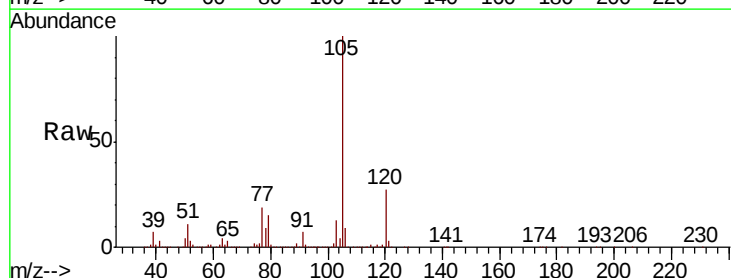
Acq: 24 May 2021 12:28

Tgt Ion:105 Resp: 6114026

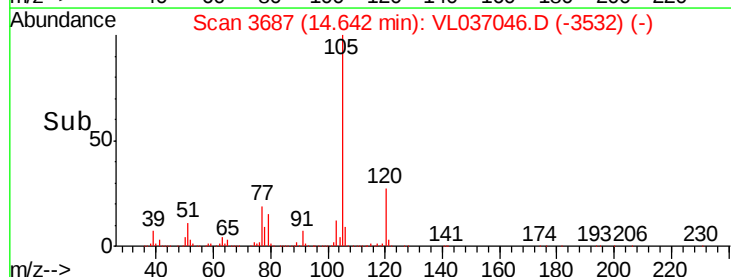
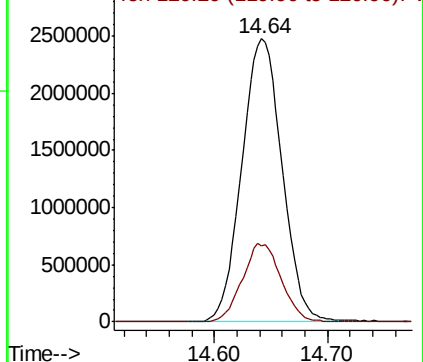
Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V
2500000
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.541 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

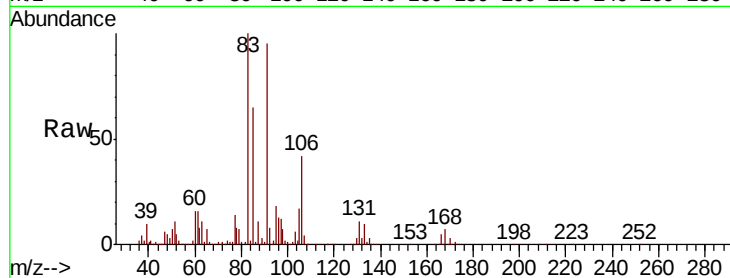
Tot Ion: 83 Resp: 2953885

Ion Ratio Lower Upper

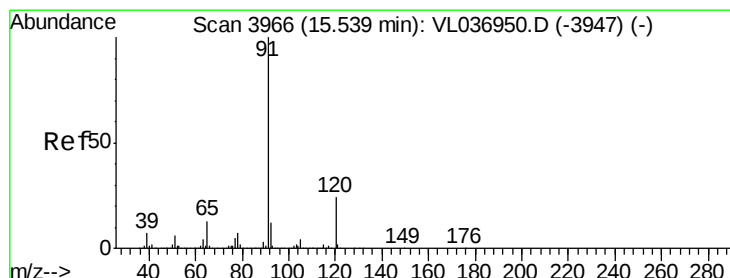
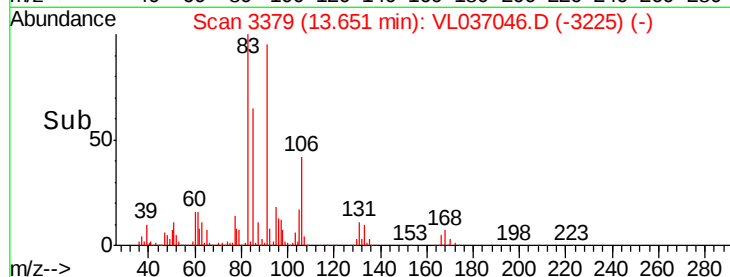
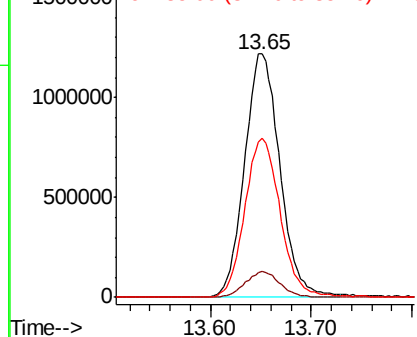
83 100

131 10.7 5.0 15.0

85 65.5 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.570 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037046.D

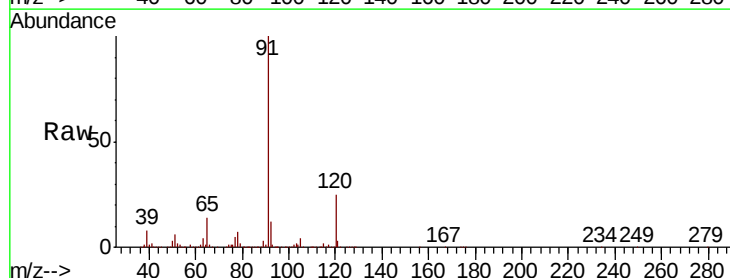
Acq: 24 May 2021 12:28

Tgt Ion:120 Resp: 1666526

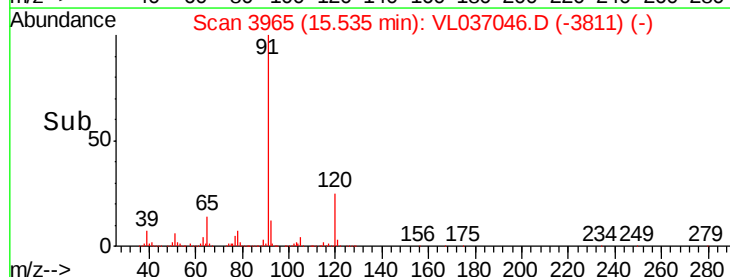
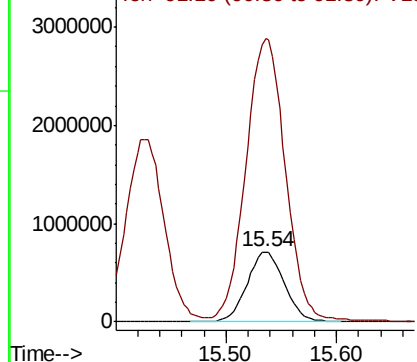
Ion Ratio Lower Upper

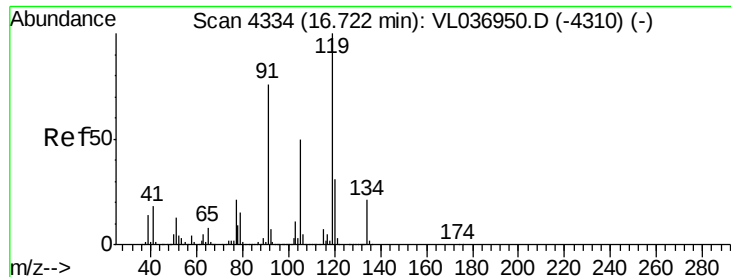
120 100

91 431.1 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.188 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampled :

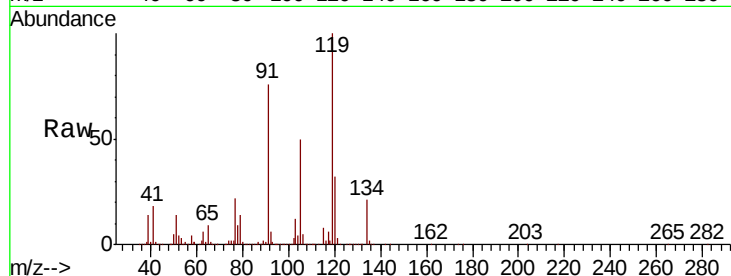
Tot Ion:119 Resp: 5568949

Ion Ratio Lower Upper

119 100

91 78.3 61.9 92.9

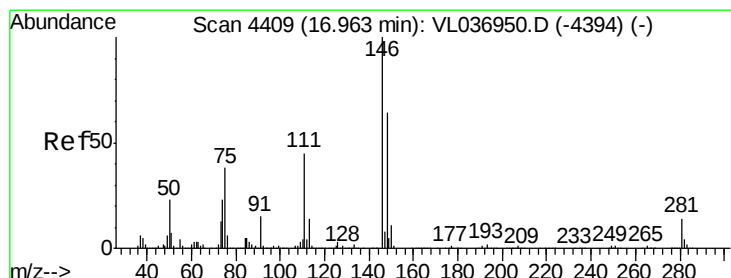
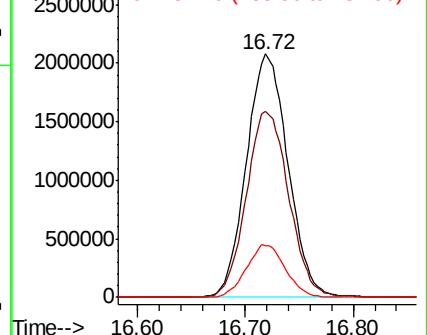
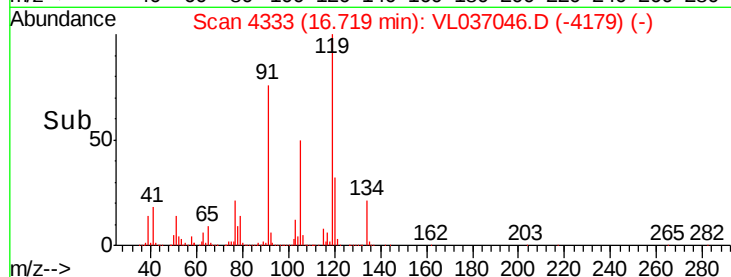
134 20.4 16.2 24.4



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: 6.759 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

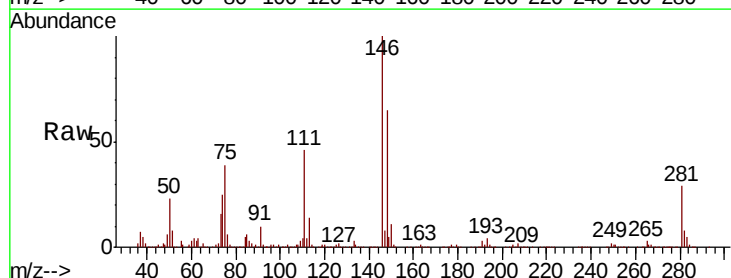
Tgt Ion: 91 Resp: 255075

Ion Ratio Lower Upper

91 100

126 21.5 16.5 24.7

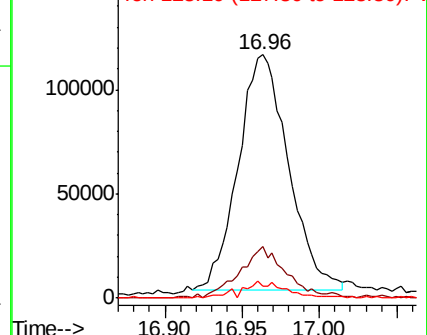
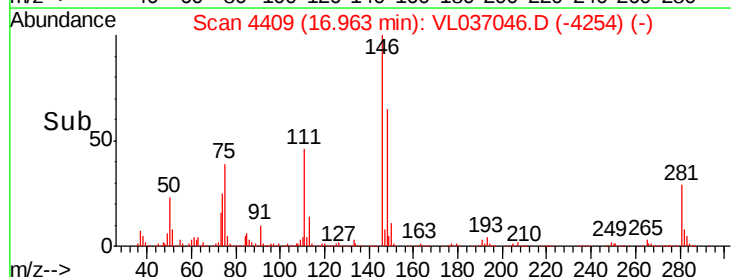
128 6.5 5.5 8.3

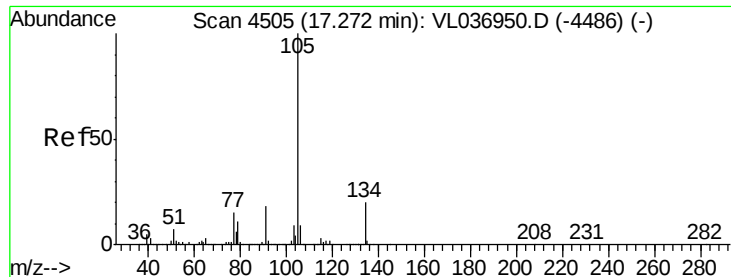


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

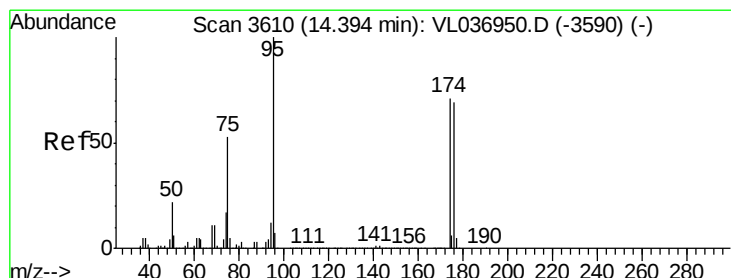
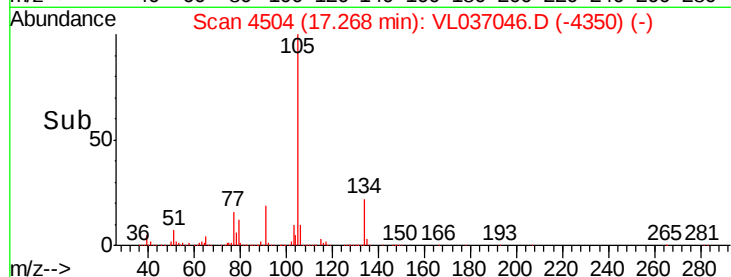
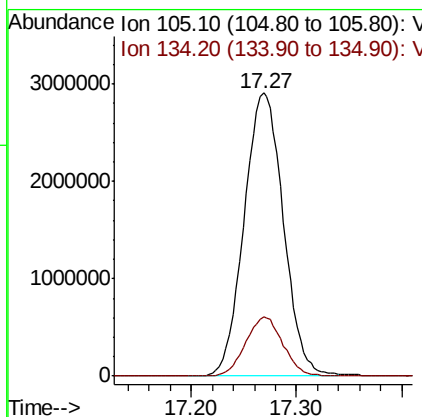
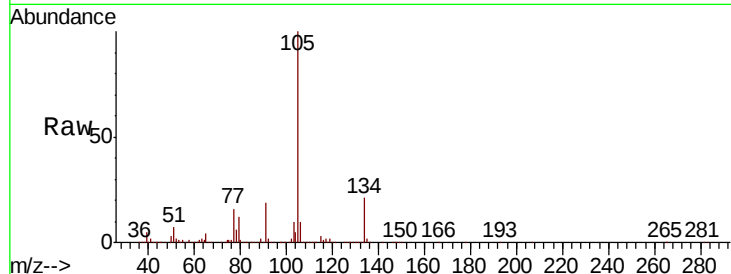




#67
 sec-Butylbenzene
 Concen: 8.096 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

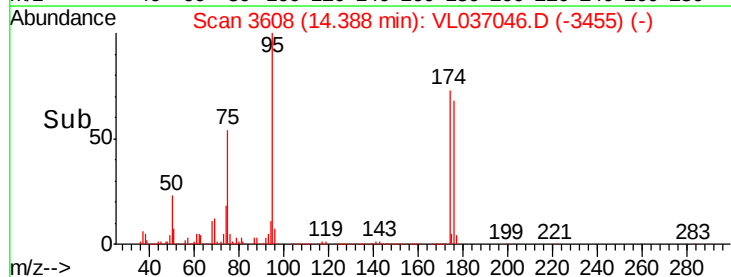
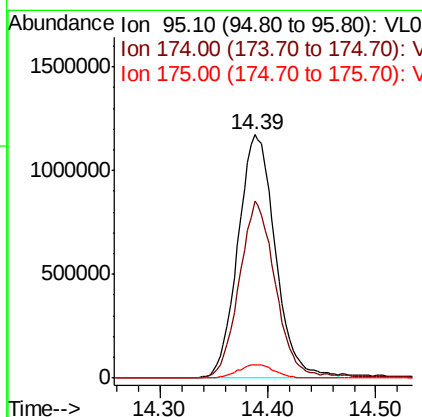
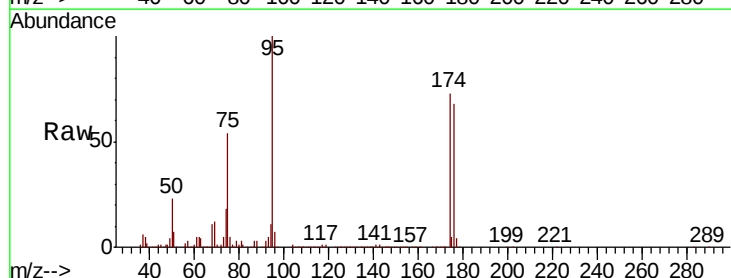
Instrument :
 MSVOA_L
 ClientSampleId :

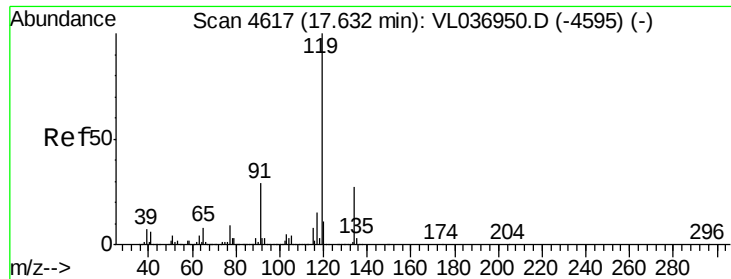
Tot Ion:105 Resp: 7512130
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.6 23.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.987 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion: 95 Resp: 2828070
 Ion Ratio Lower Upper
 95 100
 174 72.2 58.4 87.6
 175 5.6 4.4 6.6

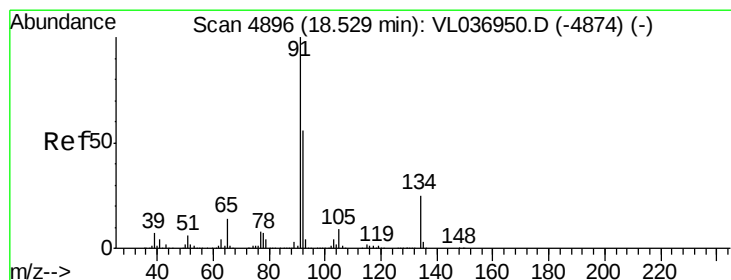
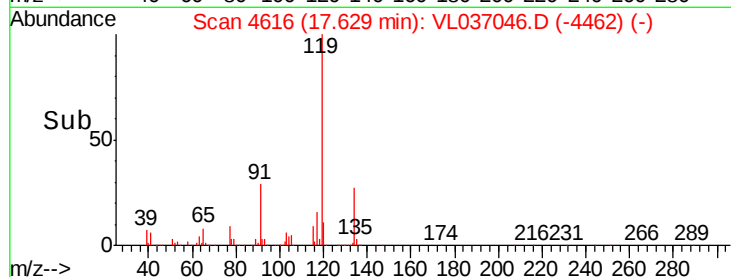
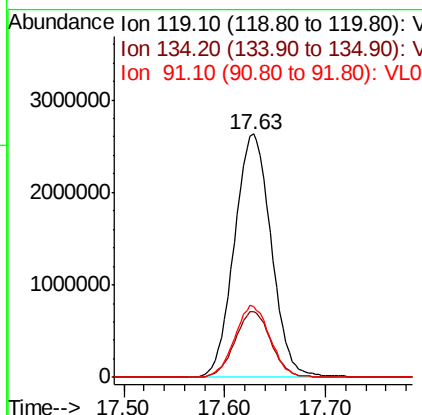
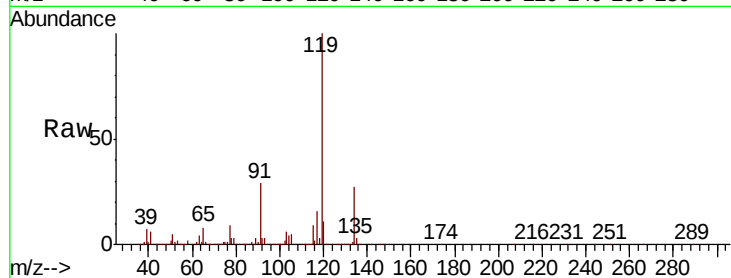




#69
 p-Isopropyltoluene
 Concen: 8.346 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

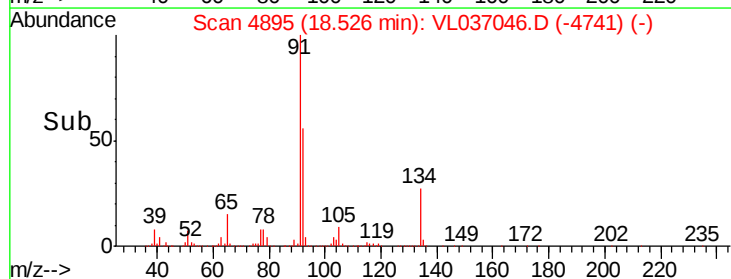
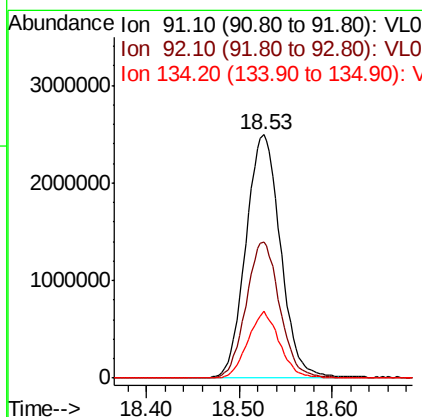
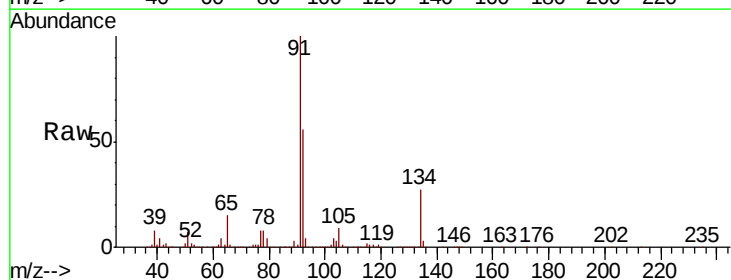
Instrument :
 MSVOA_L
 ClientSampleId :

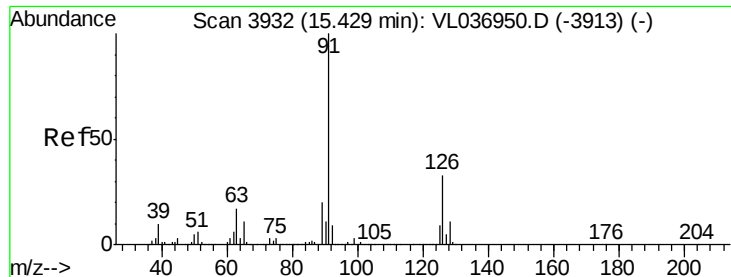
Tot Ion:119 Resp: 6657825
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.2 31.8
 91 28.5 22.2 33.4



#70
 n-Butylbenzene
 Concen: 8.523 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion: 91 Resp: 6458775
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.6 66.8
 134 25.3 20.2 30.2

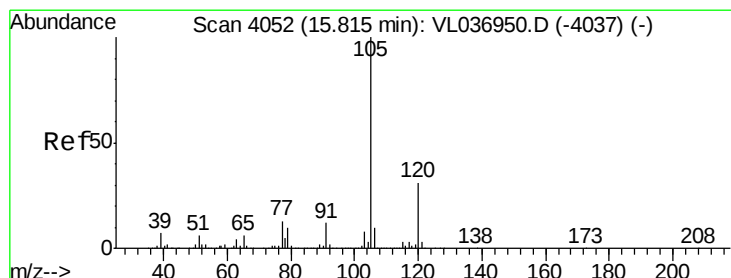
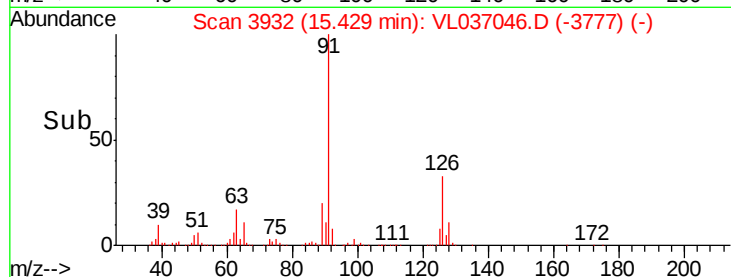
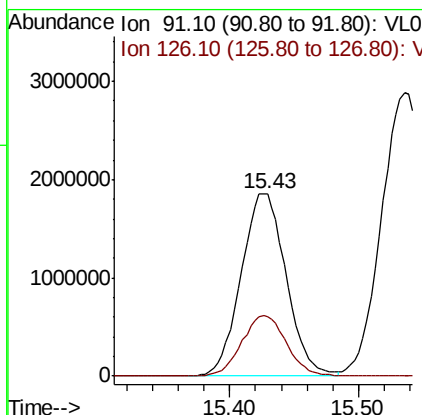
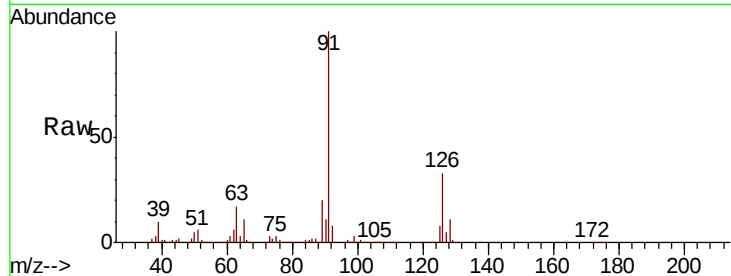




#71
 2-Chlorotoluene
 Concen: 8.271 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

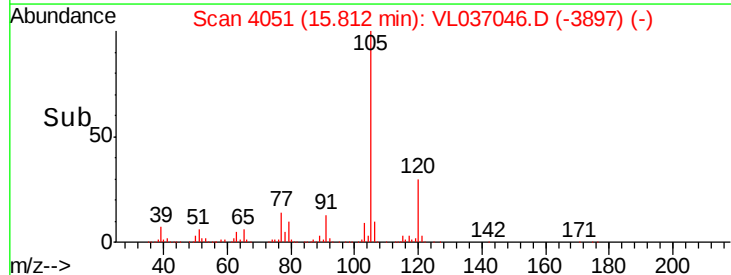
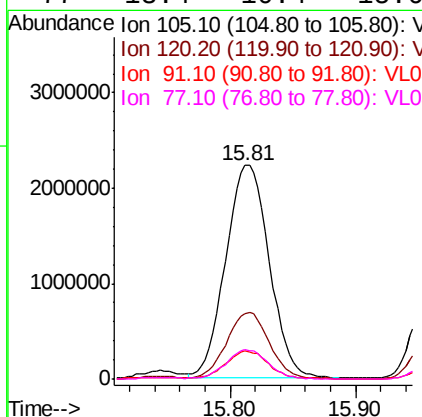
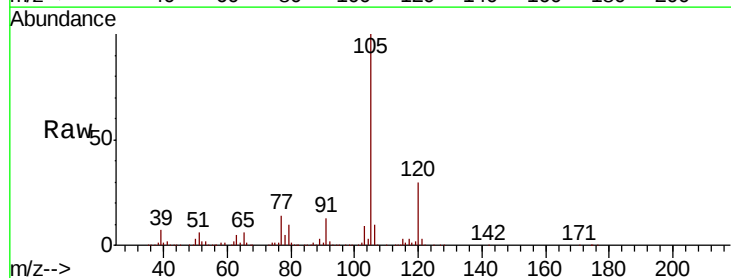
Instrument :
 MSVOA_L
 ClientSampleId :

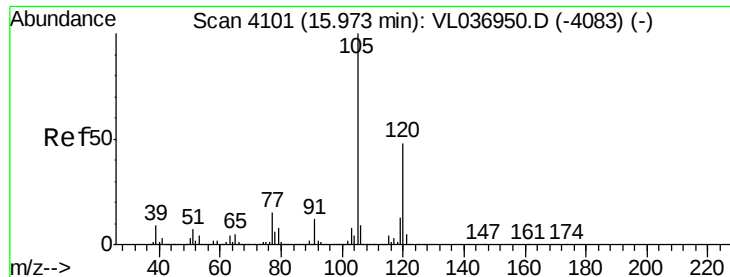
Tot Ion: 91 Resp: 4502869
 Ion Ratio Lower Upper
 91 100
 126 33.5 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.631 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion:105 Resp: 5372362
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.6 37.0
 91 12.6 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.400 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

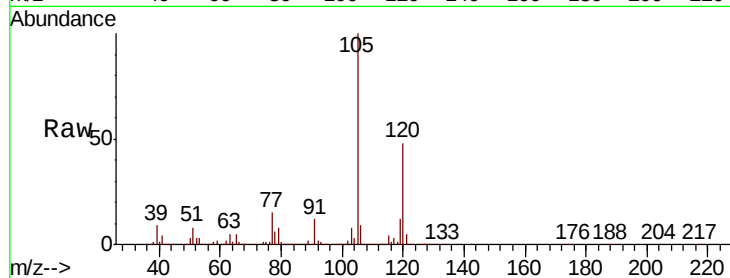
ClientSampleId :

Tot Ion:105 Resp: 4910368

Ion Ratio Lower Upper

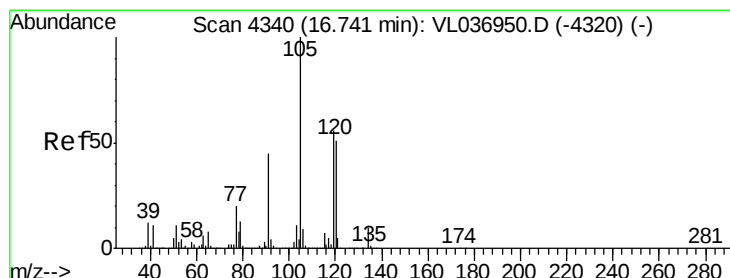
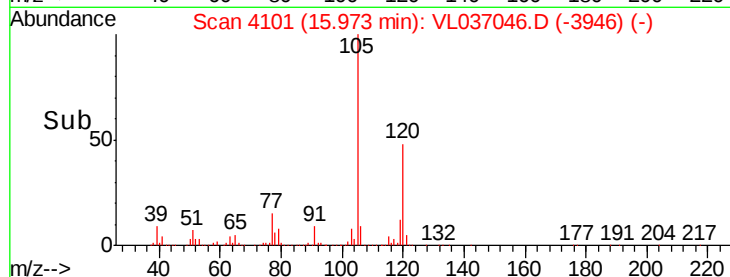
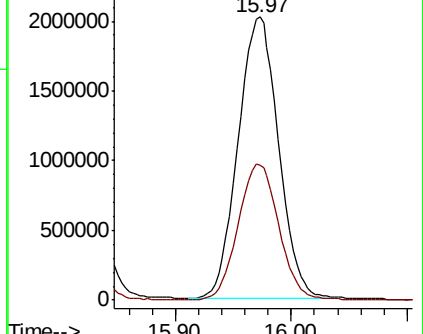
105 100

120 47.8 38.6 58.0



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: 8.454 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Tgt Ion:105 Resp: 5109742

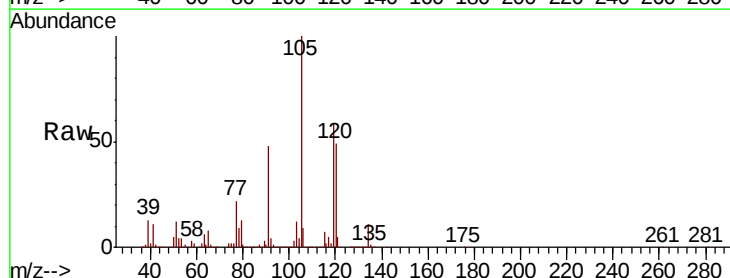
Ion Ratio Lower Upper

105 100

120 49.0 40.6 61.0

91 47.4 37.4 56.0

77 21.5 16.2 24.4

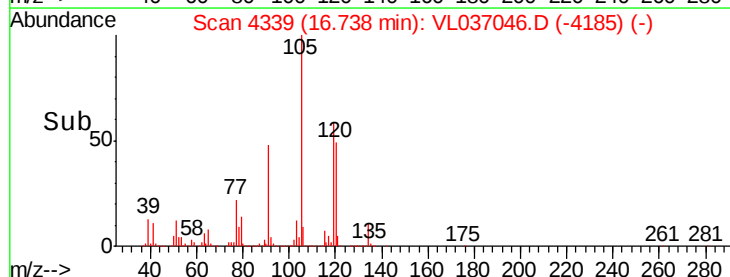
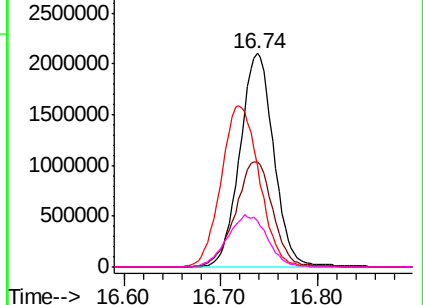


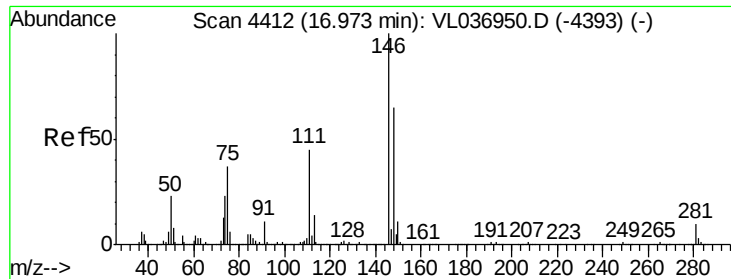
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.556 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

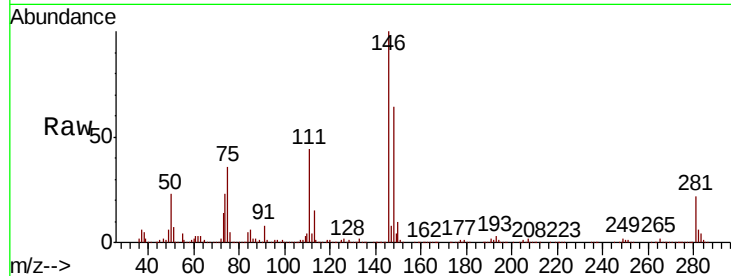
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3157833

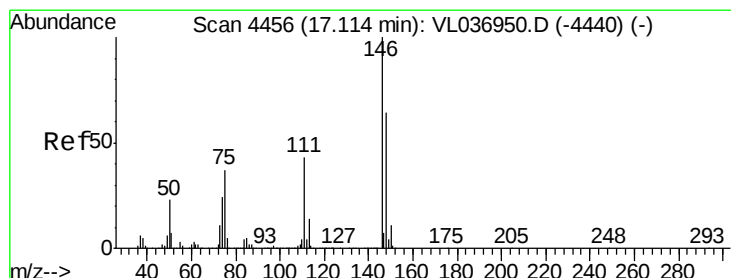
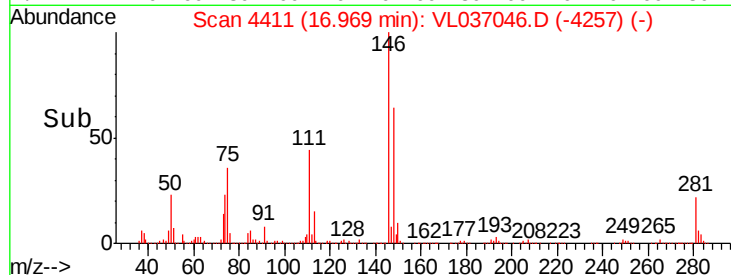
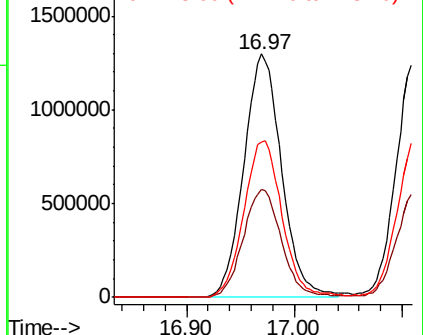
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.2	66.6
148	65.0	32.3	96.8



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: 8.280 ppbv

RT: 17.11 min Scan# 4456

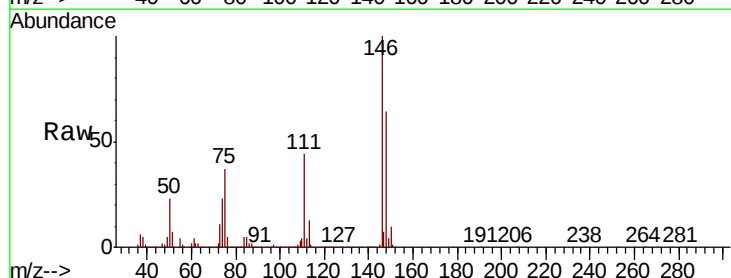
Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Tgt Ion:146 Resp: 3089792

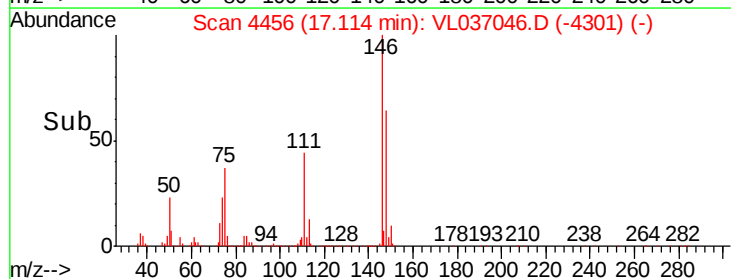
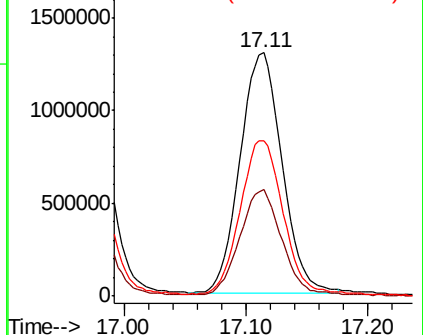
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.6	67.7
148	67.2	33.5	100.5

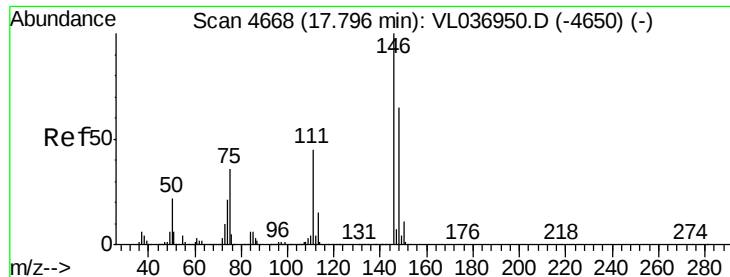


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



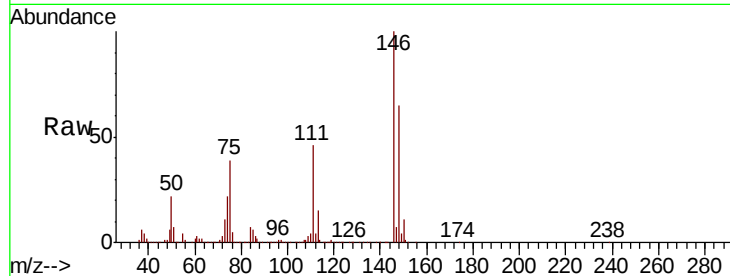


#77
 1,2-Dichlorobenzene
 Concen: 8.434 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 3118936

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.1	69.2
148	65.3	32.5	97.4

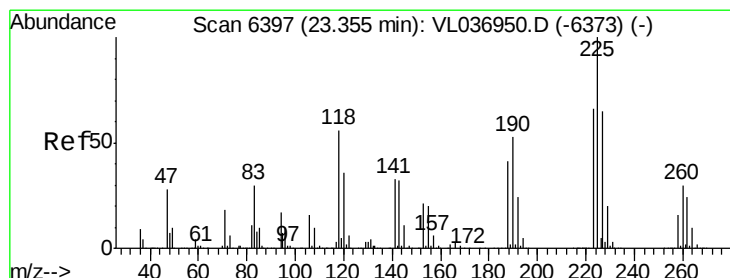
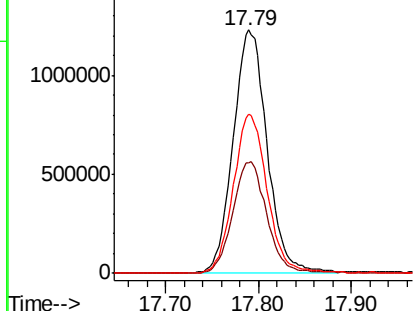
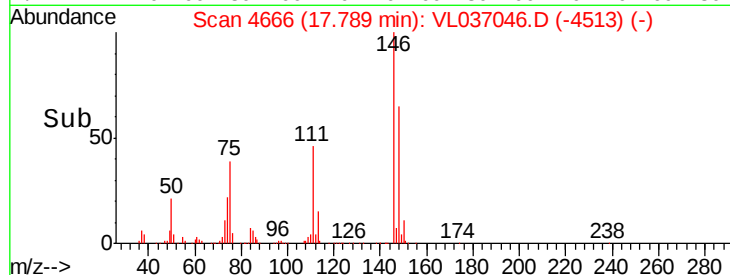


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

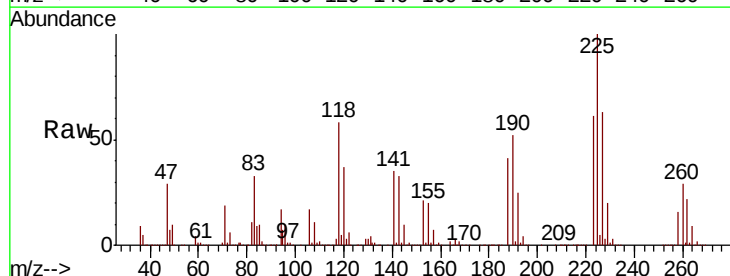
Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.601 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.01 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Tgt Ion:225 Resp: 2260377

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.9	77.9
227	64.8	51.8	77.6

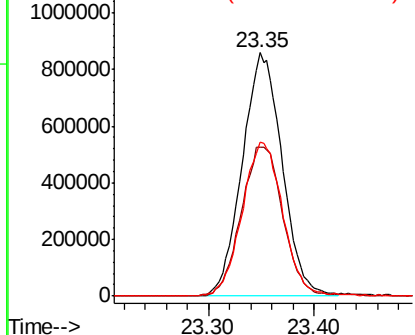
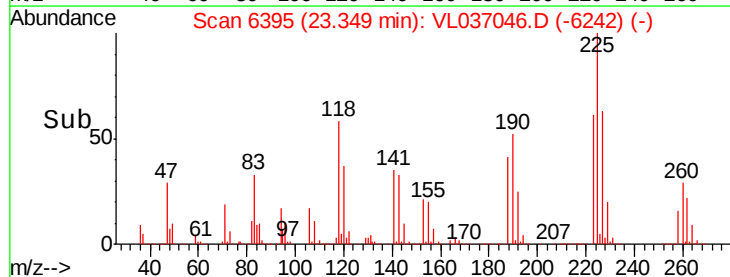


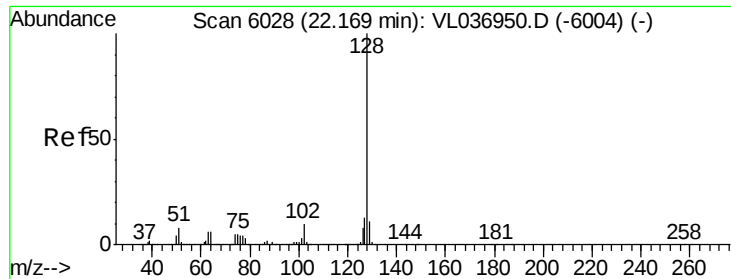
Abundance

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: 9.568 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. -0.00 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

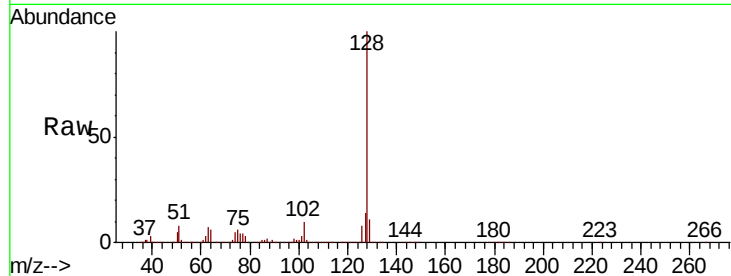
Tot Ion:128 Resp: 4537413

Ion Ratio Lower Upper

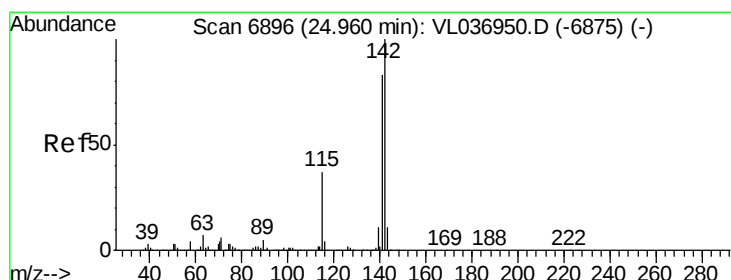
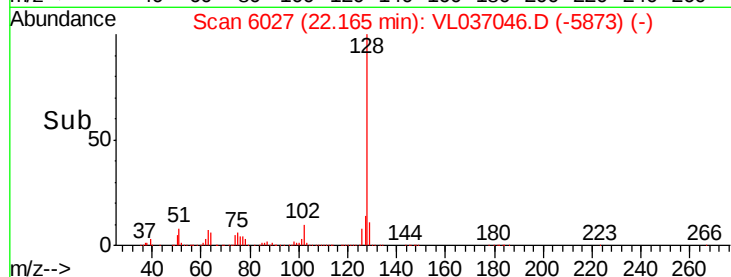
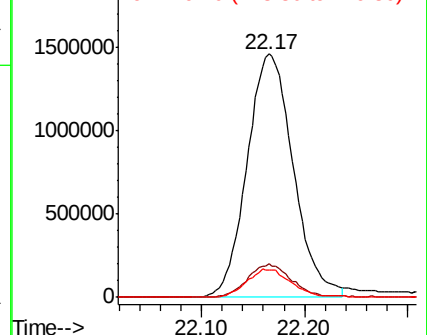
128 100

127 13.6 10.4 15.6

129 11.5 9.0 13.6



Abundance Ion 128.10 (127.80 to 128.80): V
2000000 Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.328 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037046.D

Acq: 24 May 2021 12:28

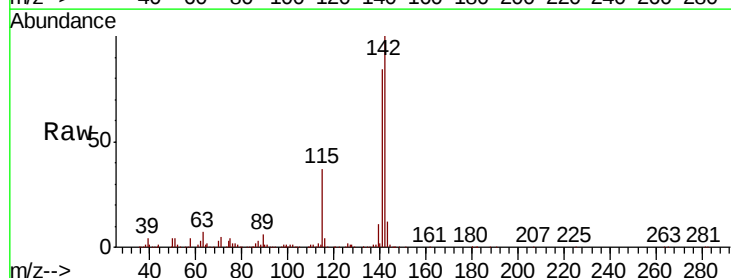
Tgt Ion:142 Resp: 1065032

Ion Ratio Lower Upper

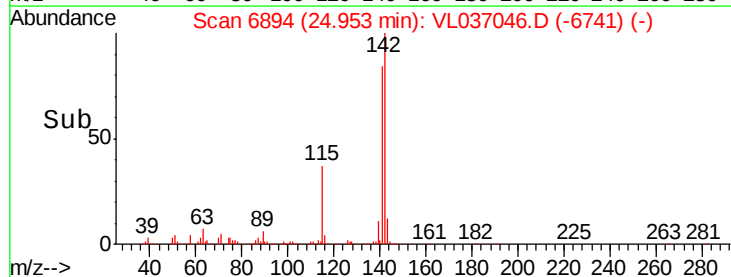
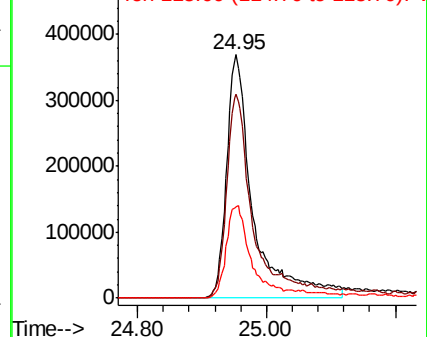
142 100

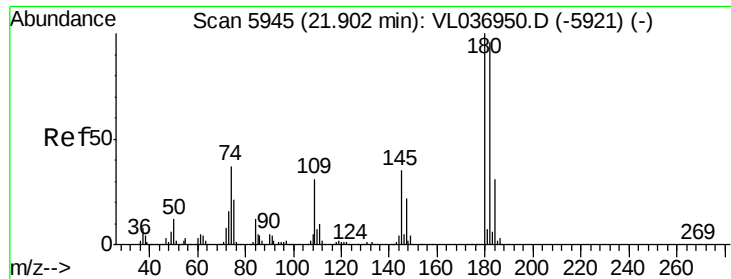
141 90.6 69.3 103.9

115 40.4 29.1 43.7



Abundance Ion 142.00 (141.70 to 142.70): V
500000 Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

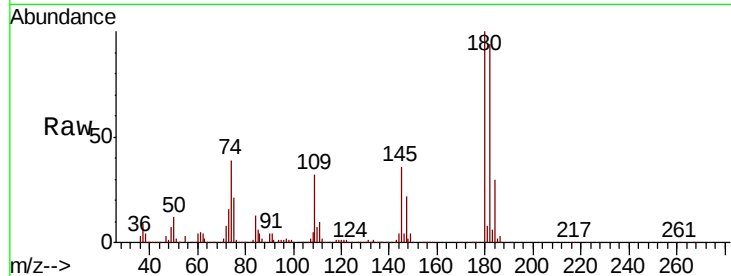




#81
 1,2,4-Trichlorobenzene
 Concen: 8.966 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.00 min
 Lab File: VL037046.D
 Acq: 24 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2591955
 Ion Ratio Lower Upper
 180 100
 182 100.6 81.7 122.5
 184 31.4 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

