

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
 Data File : VL037053.D
 Acq On : 24 May 2021 18:03
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 25 01:51:07 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	5.65	49	1205204	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3662650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4381122	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2597132	7.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2116484	10.352	ppbv 99
3) Chlorodifluoromethane	2.97	51	2472232	11.197	ppbv 97
4) Chloromethane	3.12	50	821690	10.936	ppbv 98
5) Vinyl Chloride	3.24	62	892546	10.868	ppbv 100
6) Bromomethane	3.46	94	545307	12.601	ppbv 98
7) Chloroethane	3.54	64	319719	11.990	ppbv 99
8) Dichlorotetrafluoroethane	3.17	85	2295907	11.960	ppbv 98
9) Propene	2.99	41	779771	9.863	ppbv 97
10) Heptane	8.10	43	2029465	10.300	ppbv 100
11) Trichlorofluoromethane	3.93	101	2317968	12.249	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1595320	11.835	ppbv 96
13) Ethanol	3.59	45	81576	7.733	ppbv 85
14) Bromoethene	3.72	108	693060	11.673	ppbv 98
15) Acetone	3.83	43	1204644	9.759	ppbv 95
16) 1,3-Butadiene	3.31	39	877514	11.442	ppbv 97
17) tert-Butyl alcohol	4.27	59	1251072	11.064	ppbv 99
18) 1,1-Dichloroethene	4.27	96	721269	11.571	ppbv 95
19) Isopropyl Alcohol	3.95	45	698318	10.524	ppbv # 36
20) Methylene Chloride	4.32	84	638275	9.646	ppbv 98
21) Allyl Chloride	4.39	41	1037731	11.143	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	719186	12.039	ppbv 97
23) Vinyl Acetate	5.05	43	2092047	10.677	ppbv # 98
24) 1,1-Dichloroethane	4.99	63	1591100	11.282	ppbv 99
25) Ethyl Acetate	5.65	43	3193481	10.766	ppbv 100
26) Hexane	5.67	57	1546446	10.205	ppbv 98
27) Carbon Disulfide	4.53	76	1674107	10.961	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1854669	10.210	ppbv 100
29) Chloroform	5.73	83	2486002	11.612	ppbv 98
30) Cyclohexane	7.11	84	1395017	10.833	ppbv 97
31) cis-1,2-Dichloroethene	5.53	61	1554573	11.442	ppbv 98
32) 1,1,1-Trichloroethane	6.49	97	2548159	11.084	ppbv 98
34) 2-Butanone	5.22	43	1498472	11.236	ppbv 100
35) Carbon Tetrachloride	7.00	117	2758112	11.334	ppbv 98
36) Benzene	6.87	78	3238691	10.266	ppbv 97
37) 1,2-Dichloroethane	6.29	62	1879311	12.015	ppbv 100
38) Trichloroethene	7.81	130	1397071	10.352	ppbv 99
39) 1,2-Dichloropropane	7.59	63	1241790	10.218	ppbv 95
40) 1,4-Dioxane	7.81	88	137773	4.801	ppbv # 100
41) Tetrahydrofuran	6.03	42	735112	9.678	ppbv 97
42) Bromodichloromethane	7.77	83	2683551	11.341	ppbv 100
43) Methyl Methacrylate	7.99	69	1192462	10.967	ppbv 98

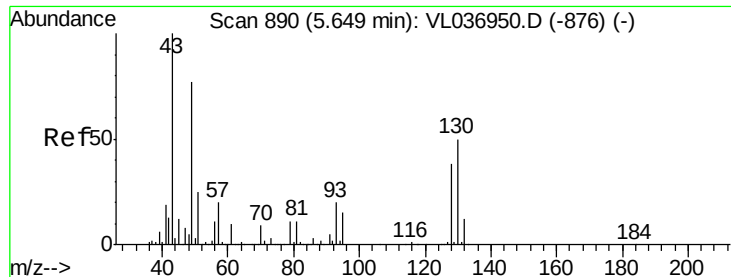
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
 Data File : VL037053.D
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Quant Time: May 25 01:51:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 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)
44) 2,2,4-Trimethylpentane	7.84	57	5319581	9.828	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1193862	14.371	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1520659	13.609	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1375379	10.813	ppbv	99
48) Dibromochloromethane	10.28	129	2482449	12.053	ppbv	100
49) Bromoform	13.01	173	2056881	12.093	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2301905	10.460	ppbv	99
51) 2-Hexanone	10.11	43	1255192	10.789	ppbv #	95
52) Tetrachloroethene	11.20	164	1367583	10.901	ppbv	98
53) Toluene	9.78	91	3929420	10.468	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2116977	11.706	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1697389	9.208	ppbv #	59
57) Chlorobenzene	12.12	112	3029816	8.919	ppbv	99
58) Ethyl Benzene	12.69	91	5240535	8.475	ppbv	99
59) m/p-Xylene	12.98	91	4493729	8.792	ppbv #	34
60) o-Xylene	13.67	91	4222082	8.661	ppbv	99
61) Styrene	13.50	104	2493548	9.080	ppbv	98
62) Isopropylbenzene	14.64	105	5927252	8.460	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2888054	7.933	ppbv	99
64) n-propylbenzene	15.54	120	1611353	8.914	ppbv	99
65) tert-Butylbenzene	16.72	119	5392922	8.531	ppbv	99
66) Benzyl Chloride	16.97	91	257958	7.354	ppbv	99
67) sec-Butylbenzene	17.27	105	7225043	8.378	ppbv	99
69) p-Isopropyltoluene	17.63	119	6333771	8.542	ppbv	99
70) n-Butylbenzene	18.53	91	6023499	8.551	ppbv	99
71) 2-Chlorotoluene	15.43	91	4385340	8.667	ppbv	98
72) 4-Ethyltoluene	15.82	105	5221726	9.025	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4717950	8.684	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4927497	8.771	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3057513	8.913	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2958502	8.530	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2973748	8.651	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2100512	7.600	ppbv	99
79) Naphthalene	22.17	128	4281519	9.713	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1283427	13.390	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2434770	9.061	ppbv	98

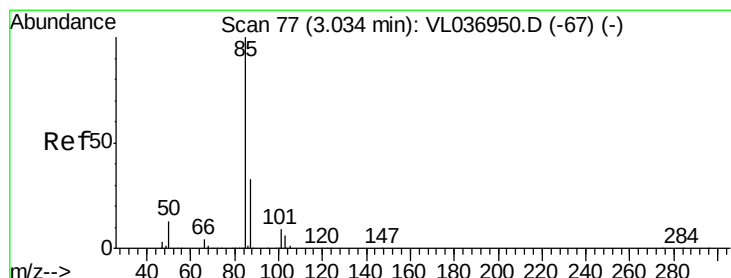
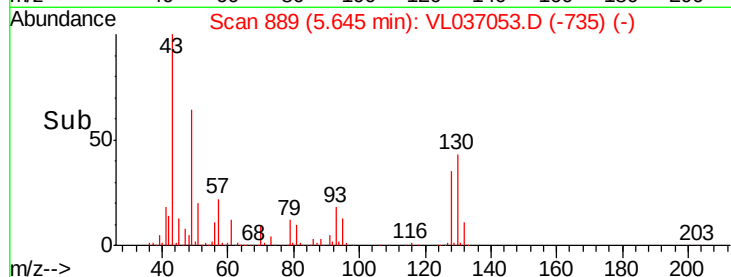
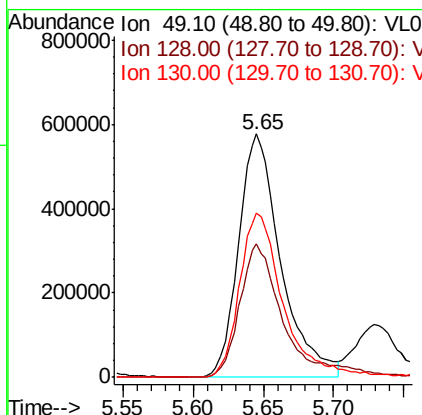
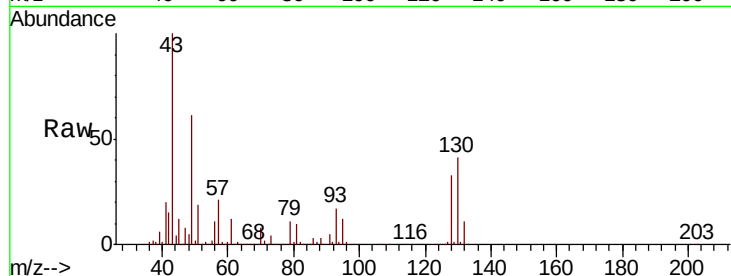
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

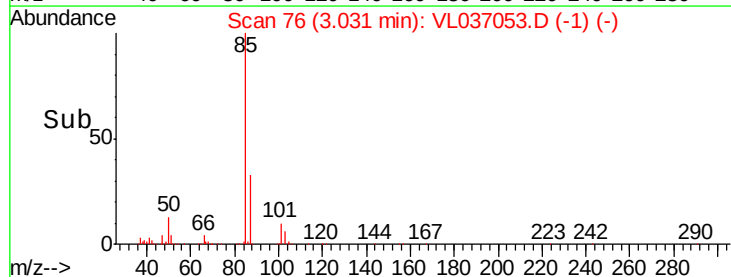
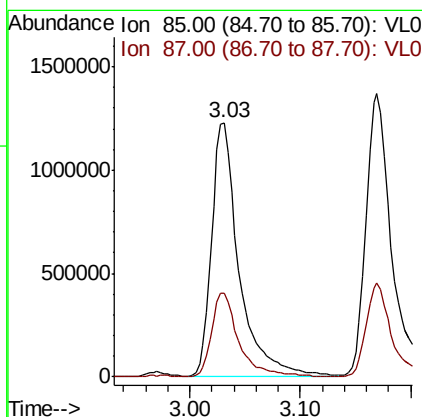
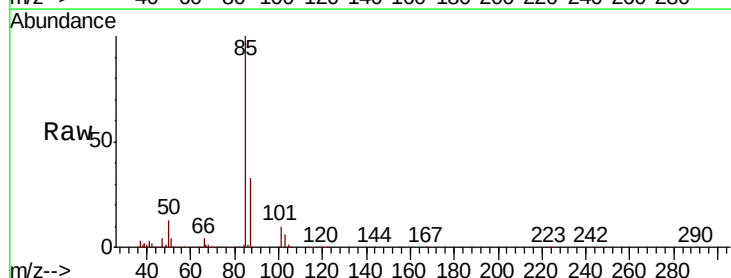
Instrument :
 MSVOA_L
 ClientSampleId :

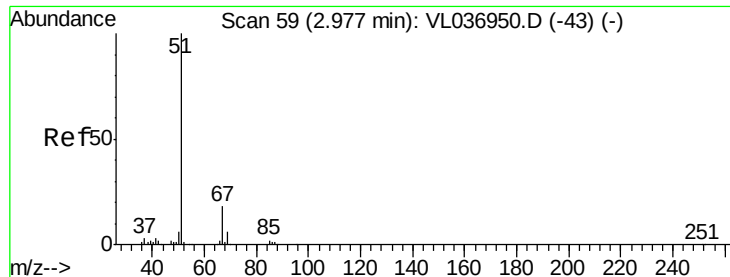
Tot Ion: 49 Resp: 1205204
 Ion Ratio Lower Upper
 49 100
 128 58.6 26.9 80.7
 130 71.5 33.8 101.4



#2
 Dichlorodifluoromethane
 Concen: 10.352 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 85 Resp: 2116484
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.6 39.8





#3

Chlorodifluoromethane

Concen: 11.197 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

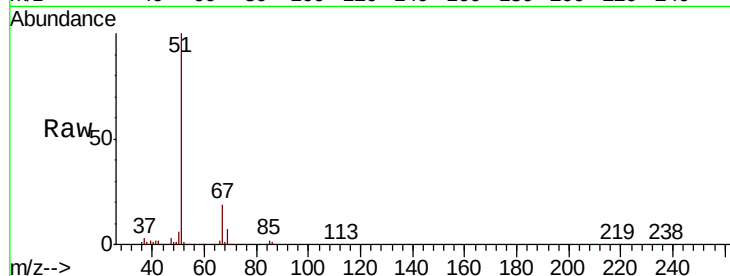
ClientSampleId :

Tot Ion: 51 Resp: 2472232

Ion Ratio Lower Upper

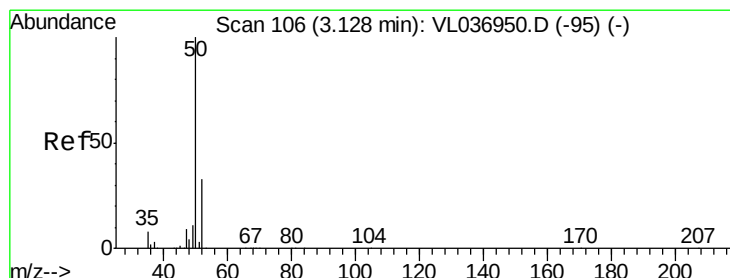
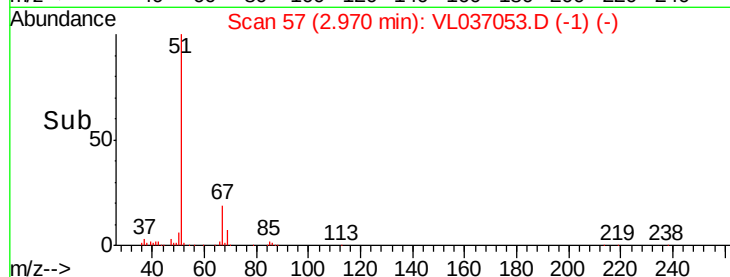
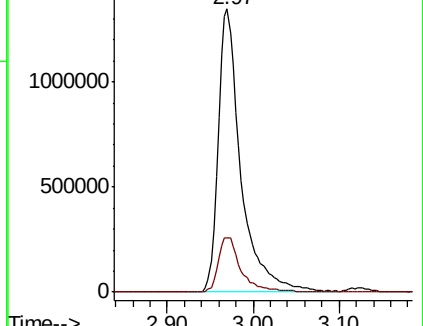
51 100

67 19.5 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: 10.936 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037053.D

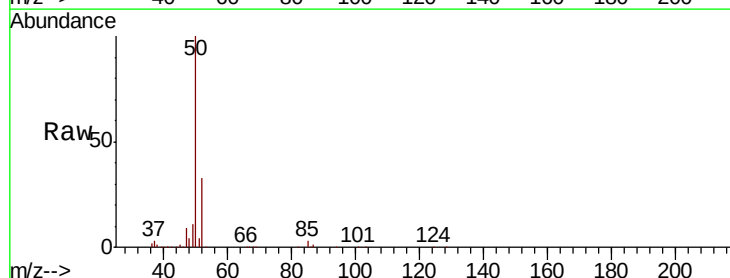
Acq: 24 May 2021 18:03

Tgt Ion: 50 Resp: 821690

Ion Ratio Lower Upper

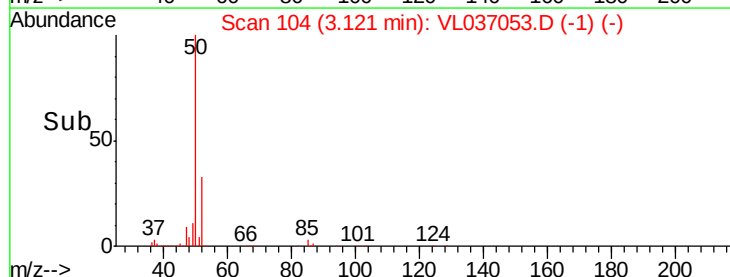
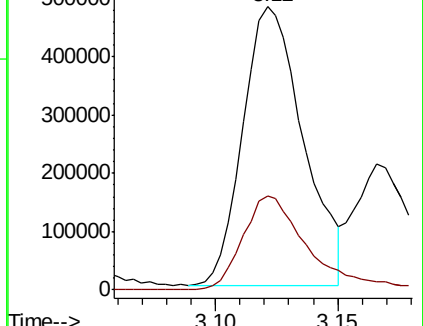
50 100

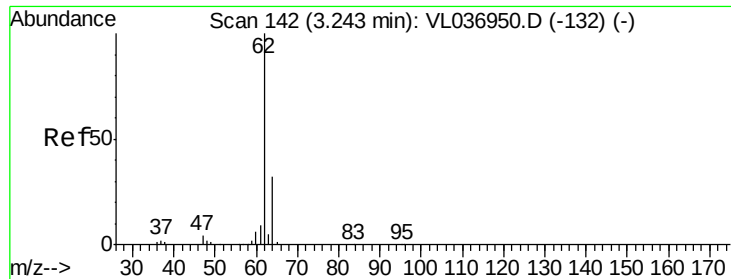
52 33.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.868 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

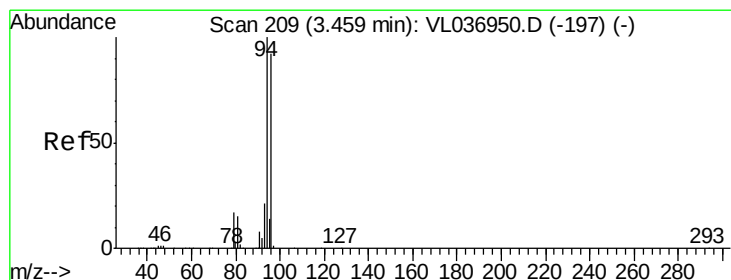
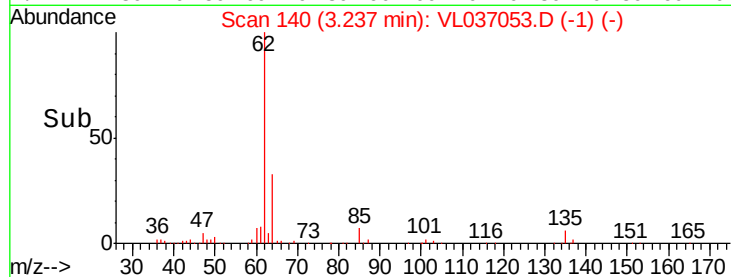
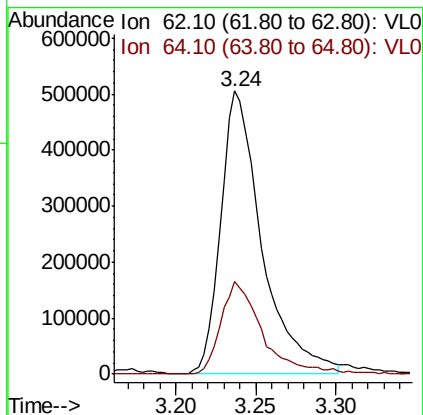
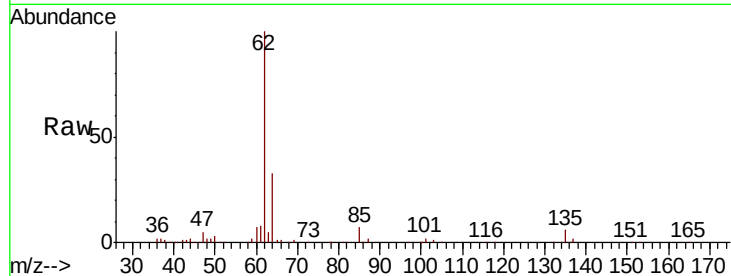
ClientSampled :

Tot Ion: 62 Resp: 892546

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9



#6

Bromomethane

Concen: 12.601 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037053.D

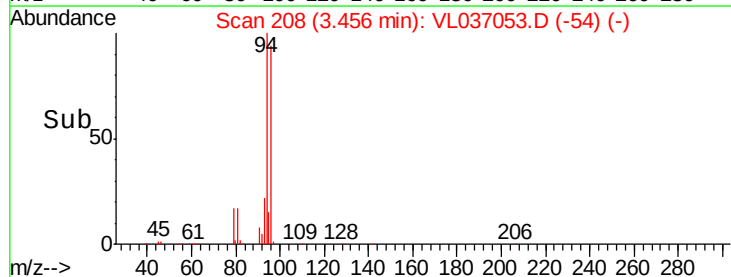
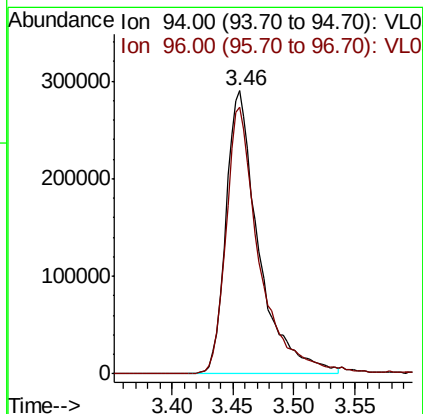
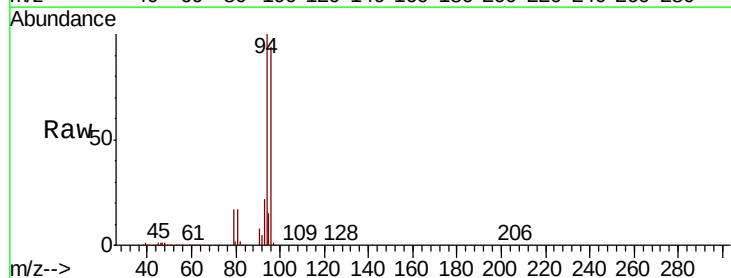
Acq: 24 May 2021 18:03

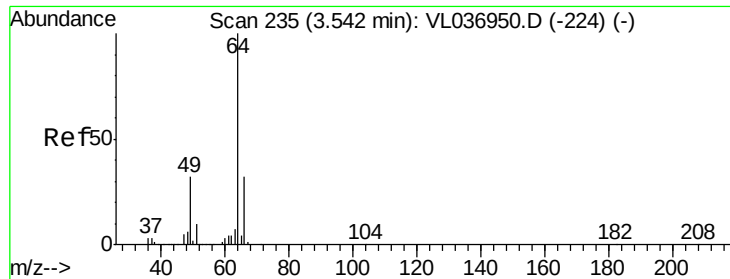
Tgt Ion: 94 Resp: 545307

Ion Ratio Lower Upper

94 100

96 94.1 74.0 111.0





#7

Chloroethane

Concen: 11.990 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

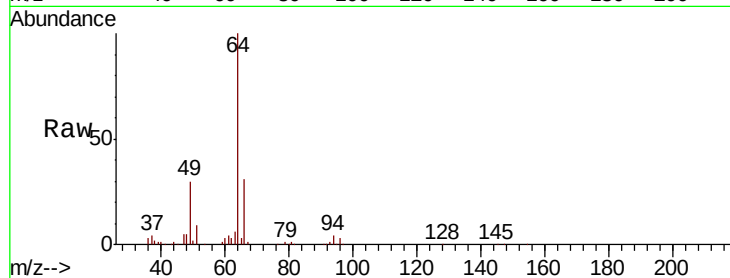
ClientSampleId :

Tot Ion: 64 Resp: 319719

Ion Ratio Lower Upper

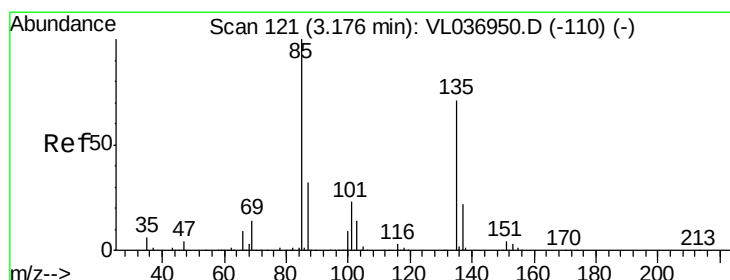
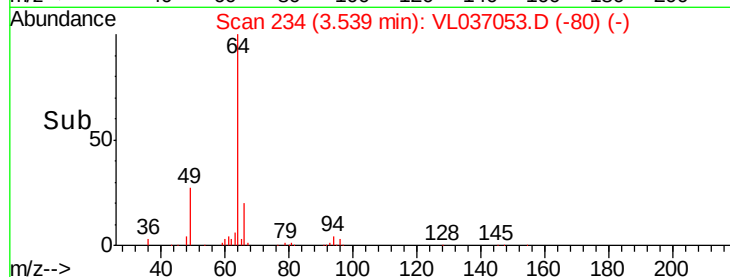
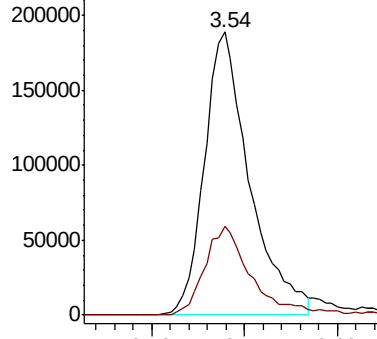
64 100

66 31.3 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.960 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037053.D

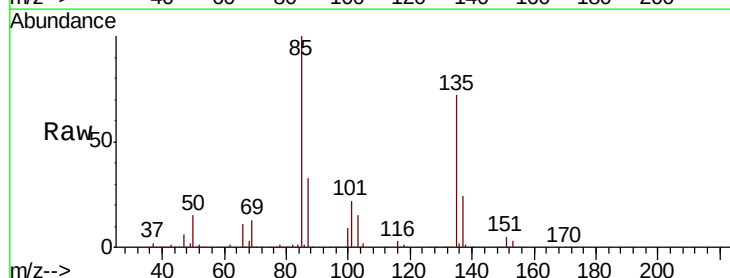
Acq: 24 May 2021 18:03

Tgt Ion: 85 Resp: 2295907

Ion Ratio Lower Upper

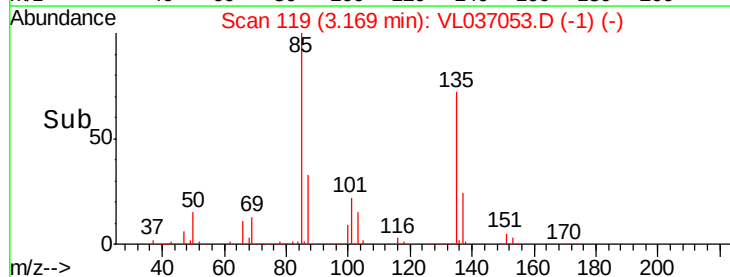
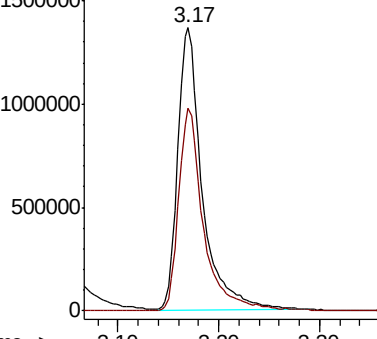
85 100

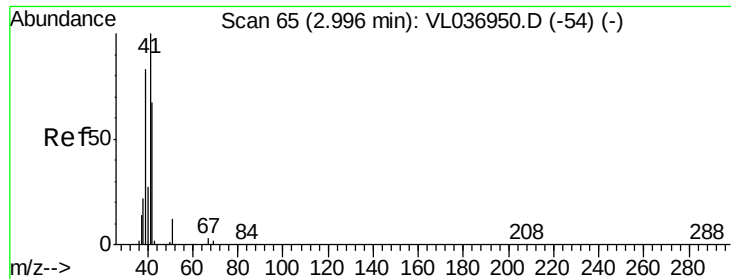
135 73.4 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.863 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

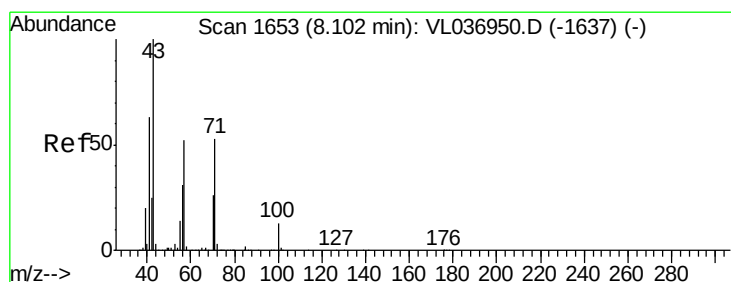
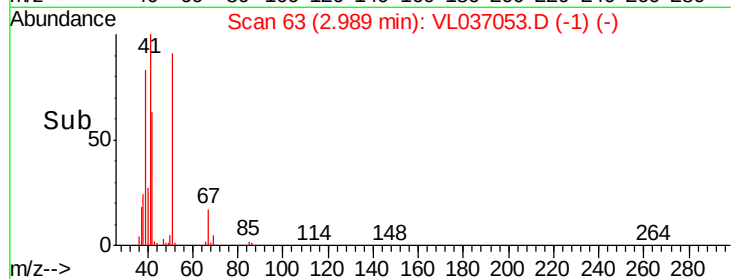
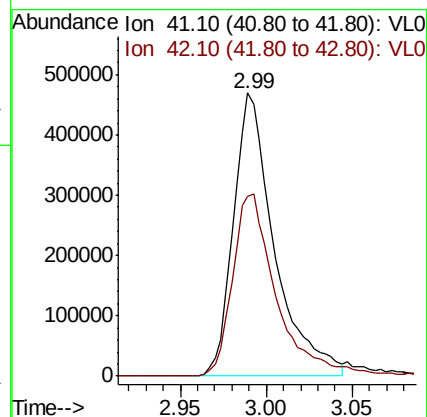
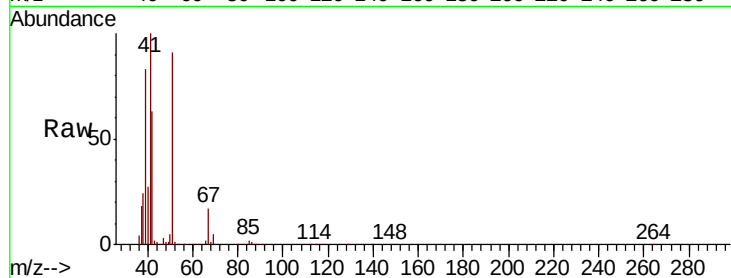
ClientSampleId :

Tot Ion: 41 Resp: 779771

Ion Ratio Lower Upper

41 100

42 69.9 53.9 80.9



#10

Heptane

Concen: 10.300 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL037053.D

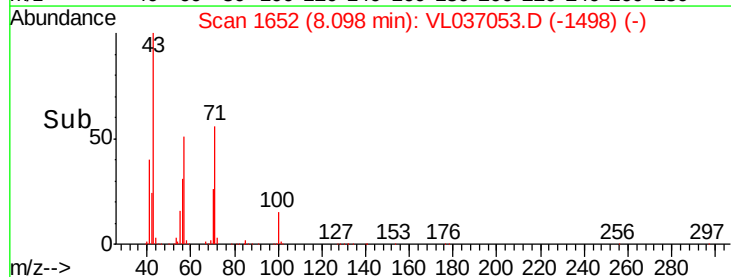
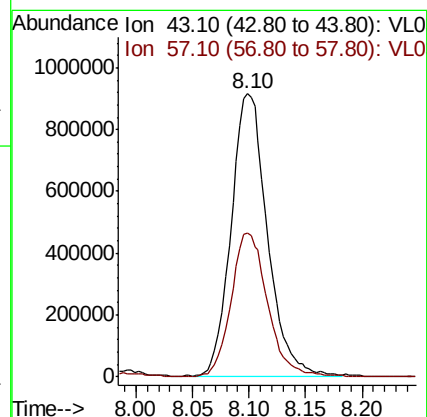
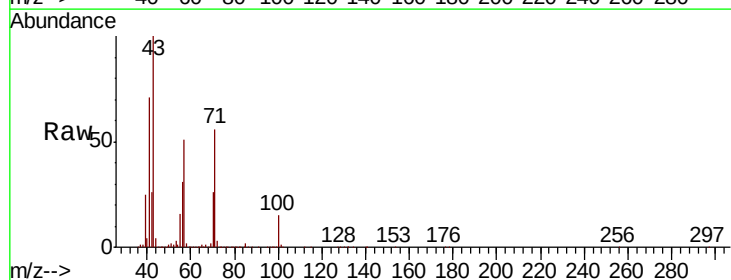
Acq: 24 May 2021 18:03

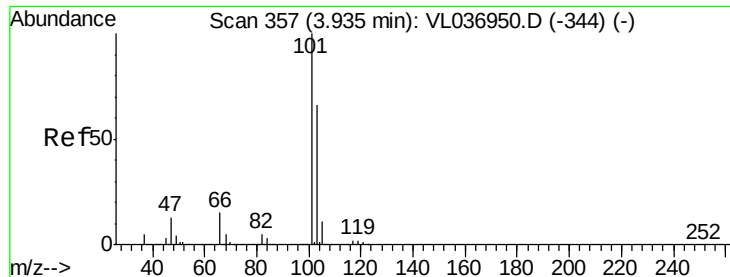
Tgt Ion: 43 Resp: 2029465

Ion Ratio Lower Upper

43 100

57 51.5 41.0 61.6

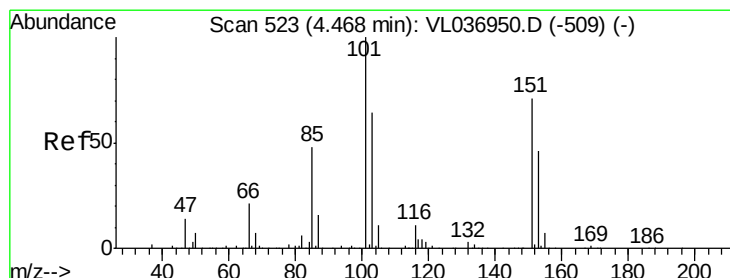
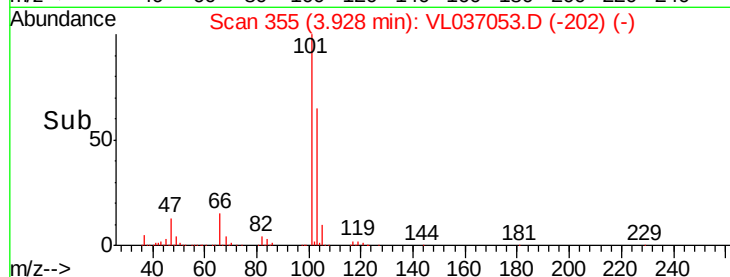
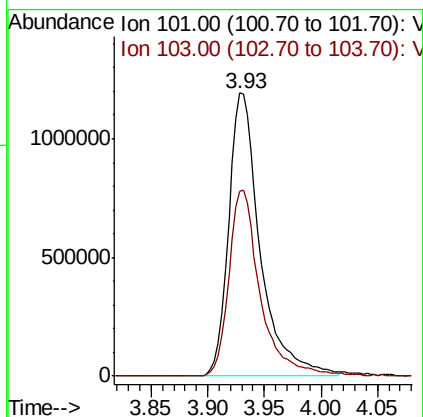
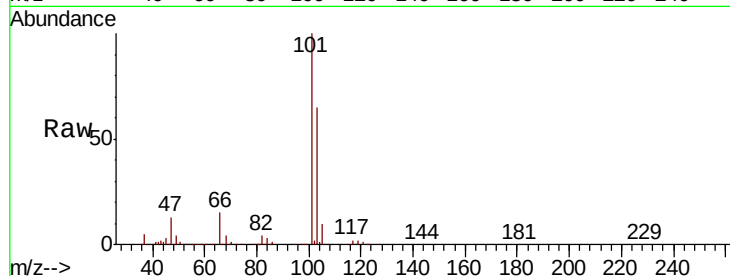




#11
 Trichlorofluoromethane
 Concen: 12.249 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

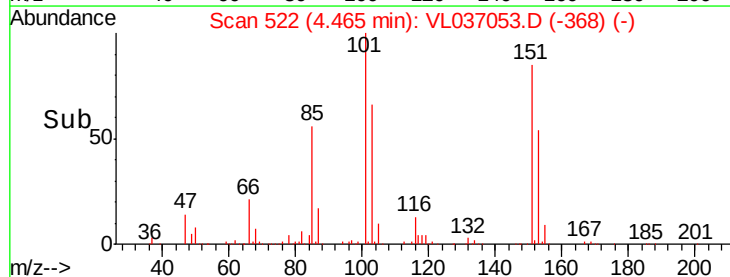
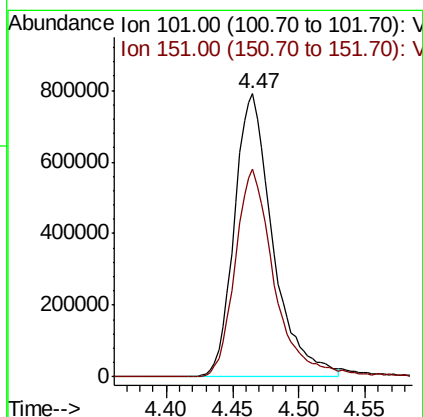
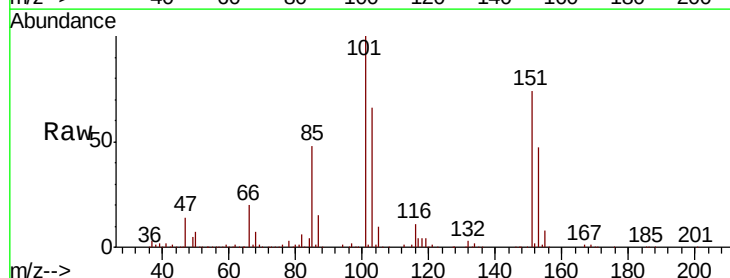
Instrument :
 MSVOA_L
 ClientSampleId :

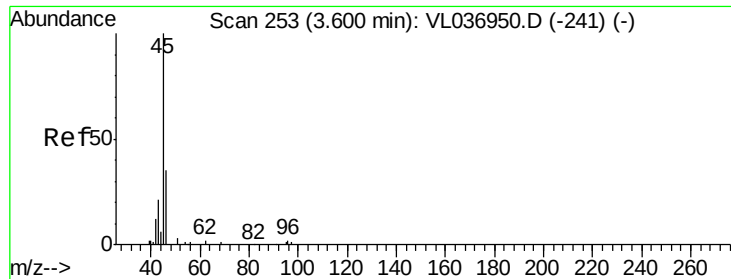
Tot Ion:101 Resp: 2317968
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.835 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion:101 Resp: 1595320
 Ion Ratio Lower Upper
 101 100
 151 75.4 57.7 86.5





#13

Ethanol

Concen: 7.733 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

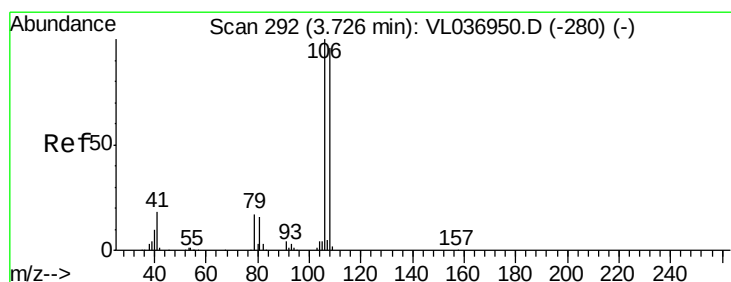
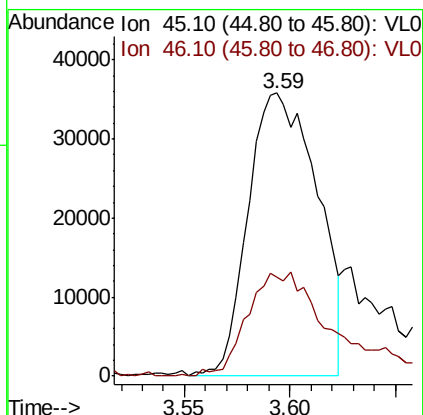
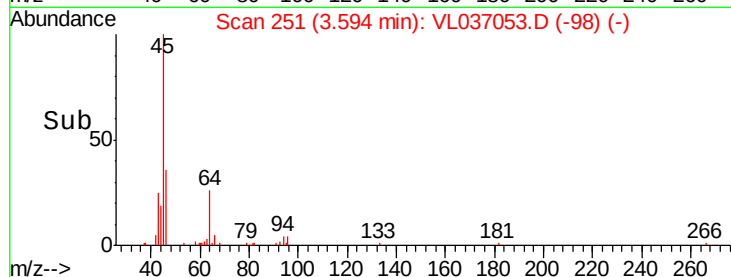
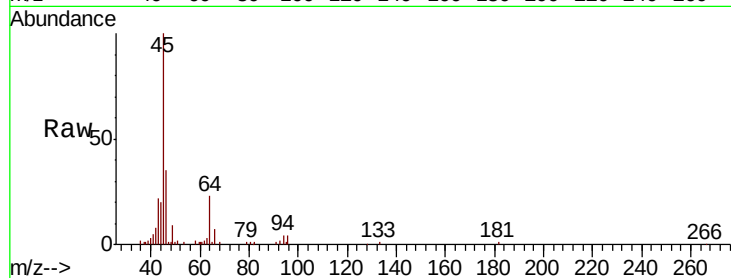
ClientSampleId :

Tot Ion: 45 Resp: 81576

Ion Ratio Lower Upper

45 100

46 50.2 16.3 65.3



#14

Bromoethene

Concen: 11.673 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

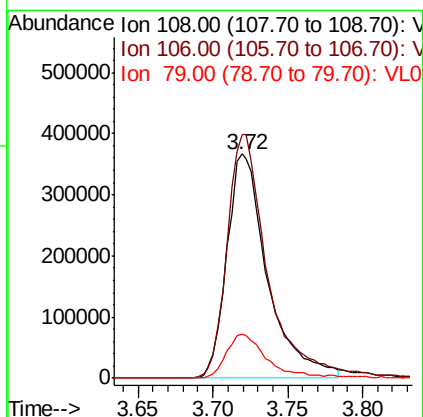
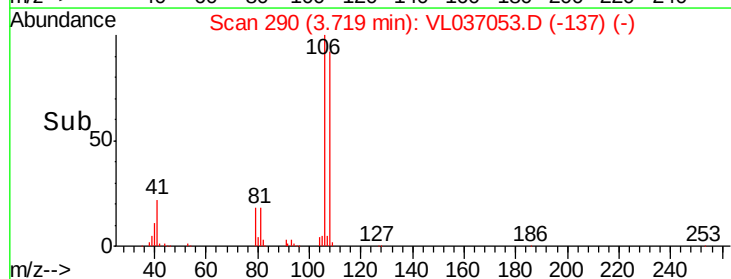
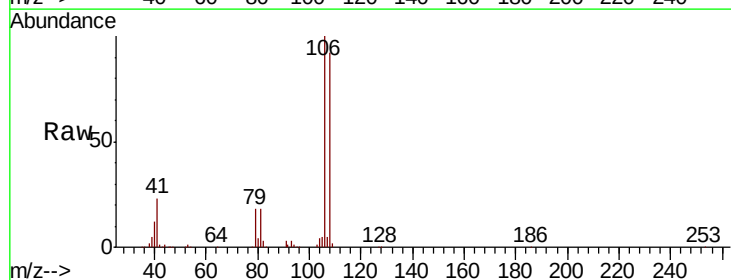
Tgt Ion: 108 Resp: 693060

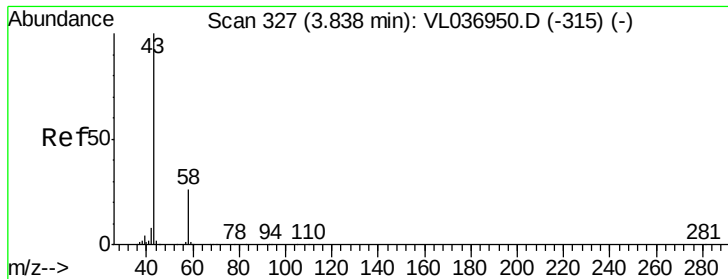
Ion Ratio Lower Upper

108 100

106 110.4 86.5 129.7

79 20.5 15.0 22.4





#15

Acetone

Concen: 9.759 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

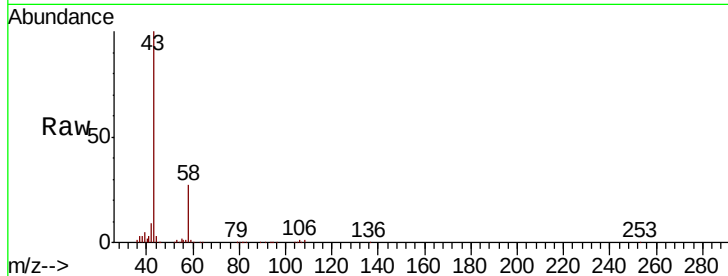
ClientSampleId :

Tot Ion: 43 Resp: 1204644

Ion Ratio Lower Upper

43 100

58 27.5 24.0 36.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

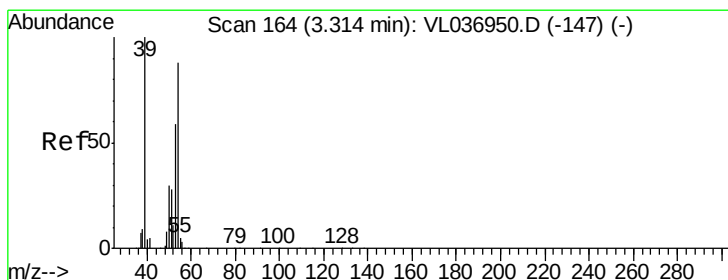
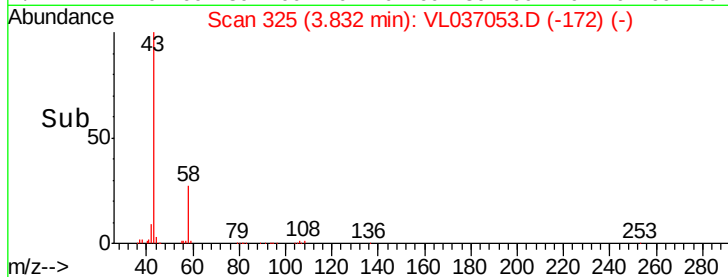
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 11.442 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037053.D

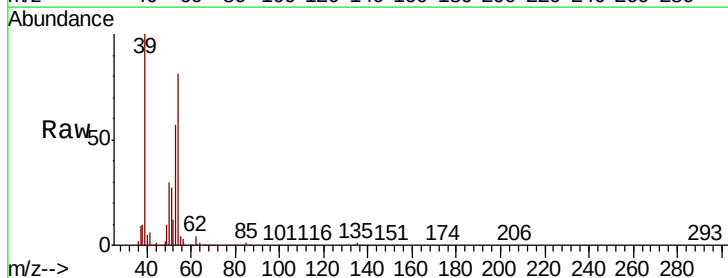
Acq: 24 May 2021 18:03

Tgt Ion: 39 Resp: 877514

Ion Ratio Lower Upper

39 100

54 76.7 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

500000

400000

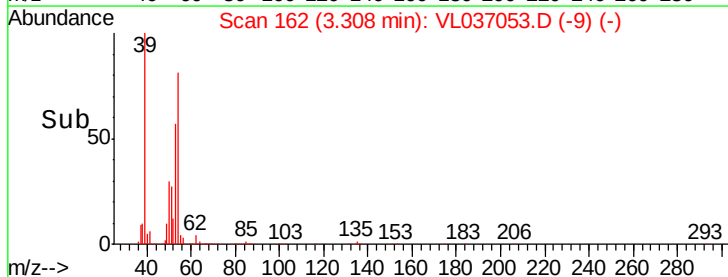
300000

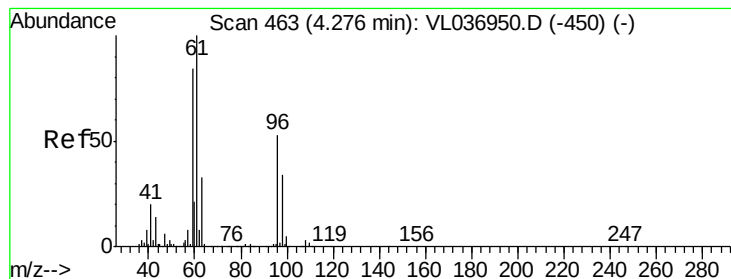
200000

100000

0

Time--> 3.20 3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 11.064 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

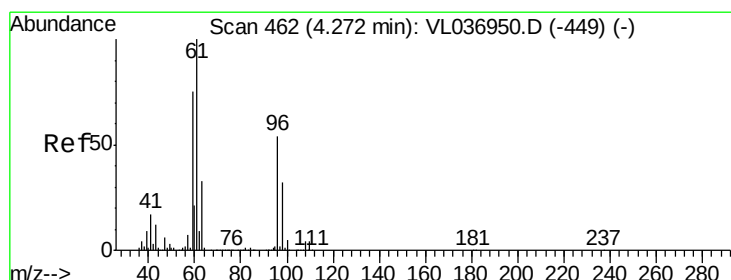
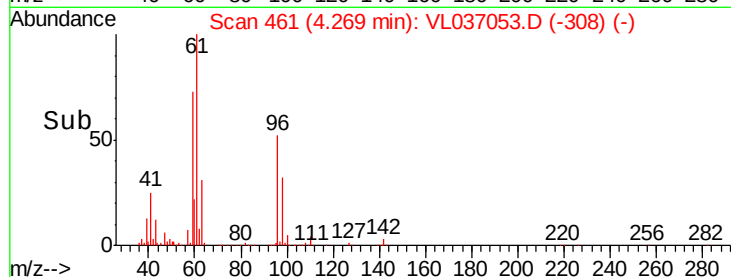
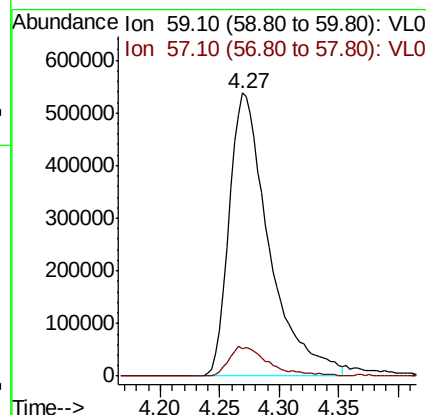
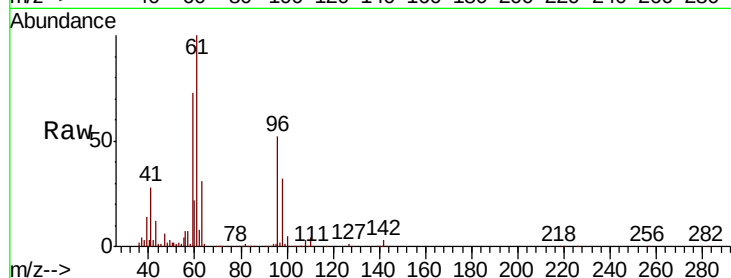
ClientSampleId :

Tot Ion: 59 Resp: 1251072

Ion Ratio Lower Upper

59 100

57 10.9 8.3 12.5



#18

1,1-Dichloroethene

Concen: 11.571 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

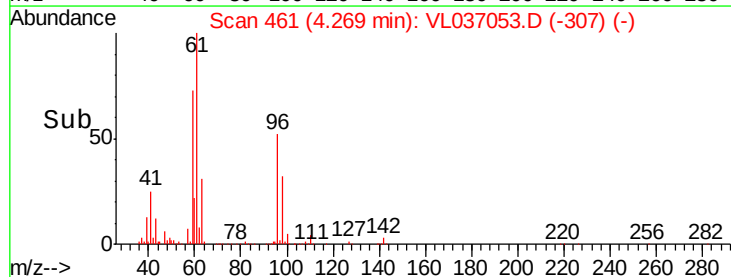
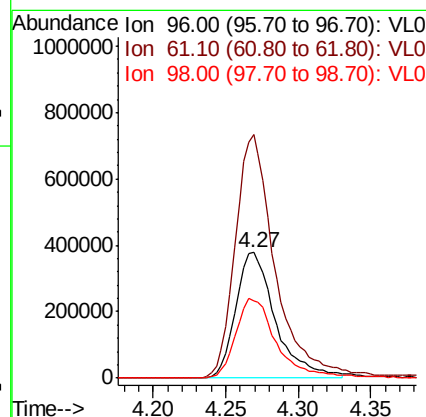
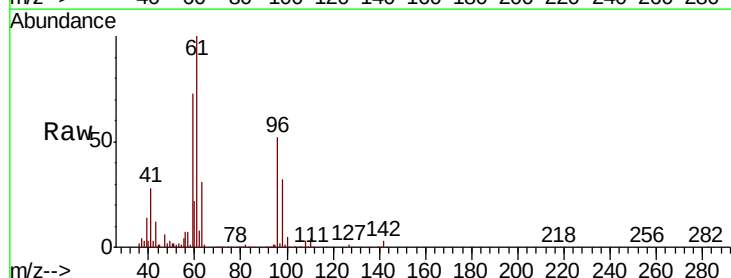
Tgt Ion: 96 Resp: 721269

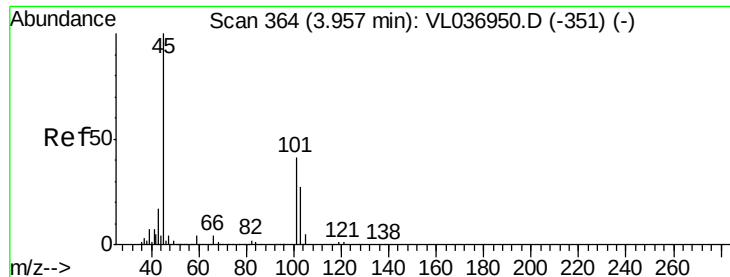
Ion Ratio Lower Upper

96 100

61 193.6 148.2 222.4

98 61.3 47.8 71.6



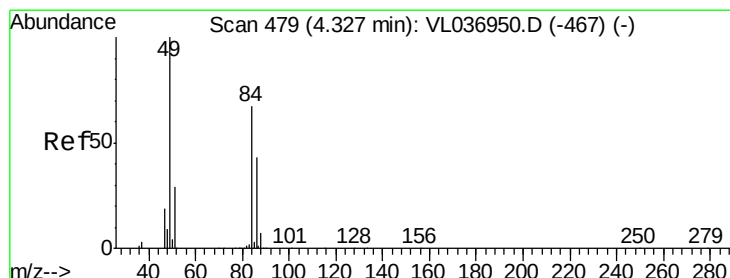
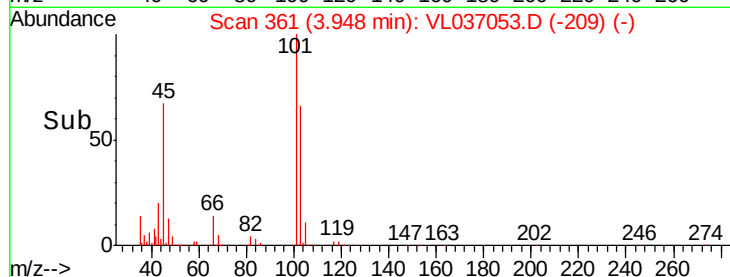
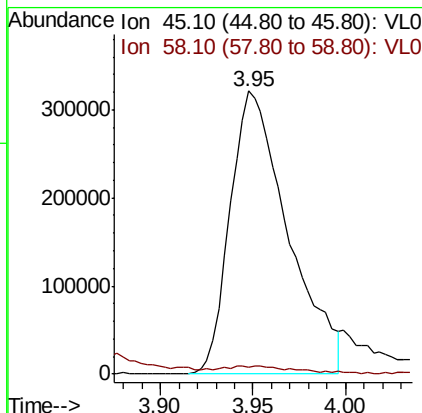
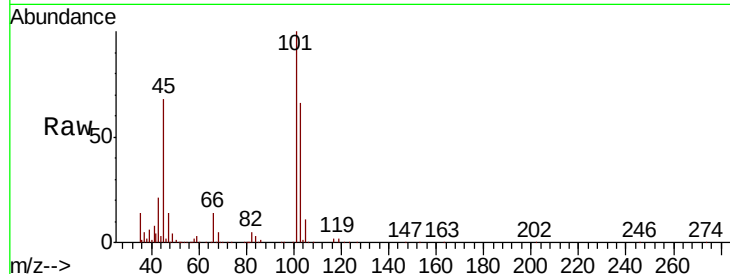


#19

Isopropyl Alcohol
 Concen: 10.524 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :

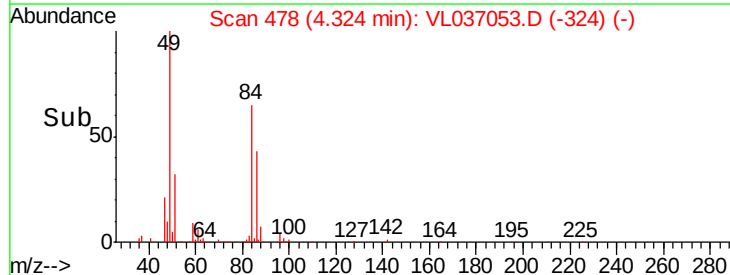
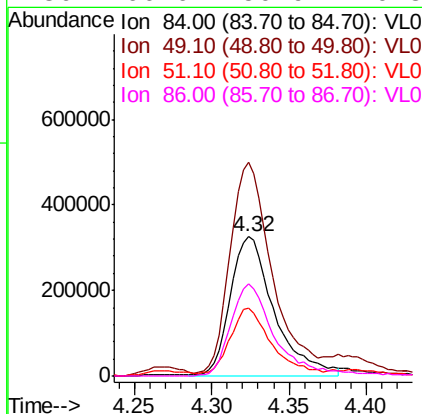
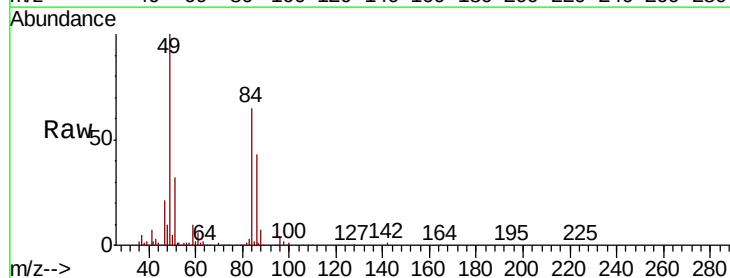
Tot Ion: 45 Resp: 698318
 Ion Ratio Lower Upper
 45 100
 58 3.9 37.2 55.8#

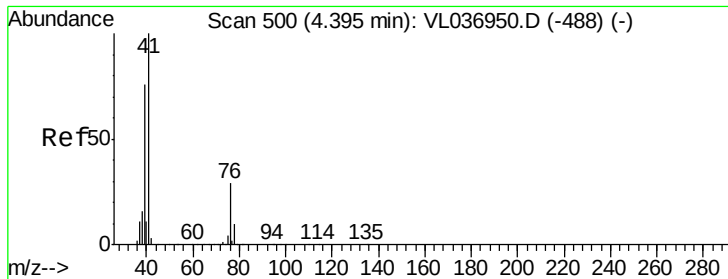


#20

Methylene Chloride
 Concen: 9.646 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 84 Resp: 638275
 Ion Ratio Lower Upper
 84 100
 49 151.0 119.8 179.6
 51 46.5 35.1 52.7
 86 66.6 50.9 76.3





#21

Allvl Chloride

Concen: 11.143 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

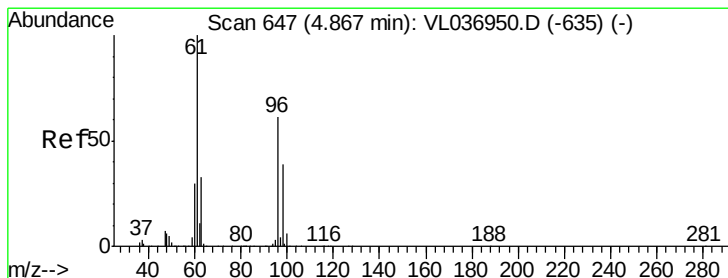
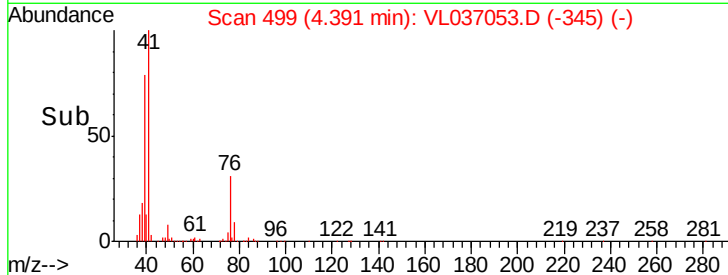
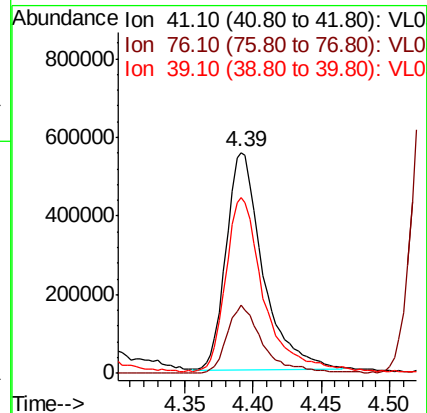
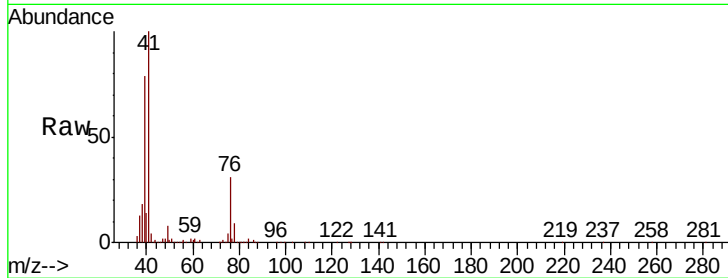
Tot Ion: 41 Resp: 1037731

Ion Ratio Lower Upper

41 100

76 31.0 24.9 37.3

39 83.3 63.7 95.5



#22

trans-1,2-Dichloroethene

Concen: 12.039 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

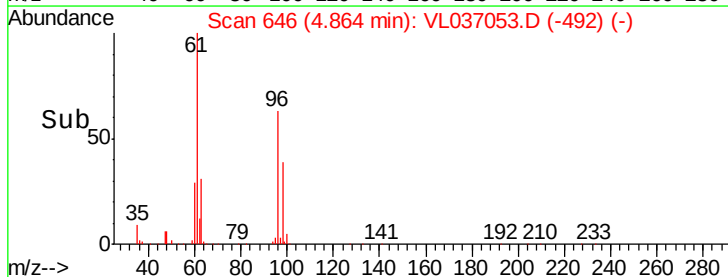
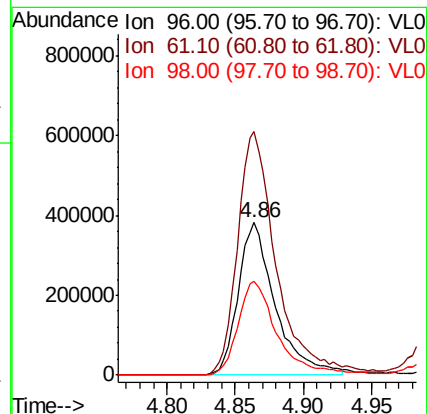
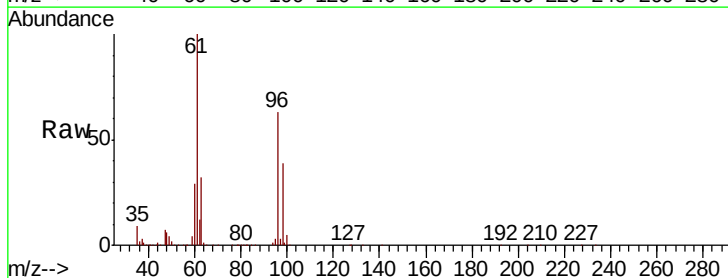
Tgt Ion: 96 Resp: 719186

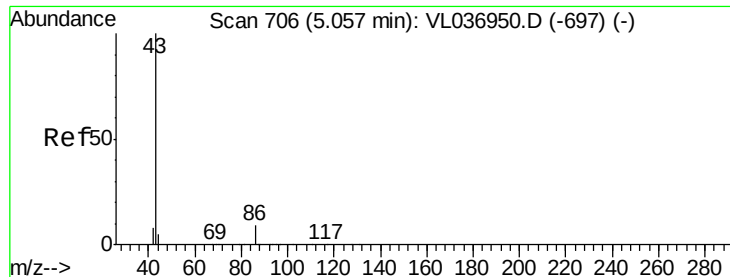
Ion Ratio Lower Upper

96 100

61 159.4 130.6 196.0

98 61.6 50.8 76.2





#23

Vinyl Acetate

Concen: 10.677 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

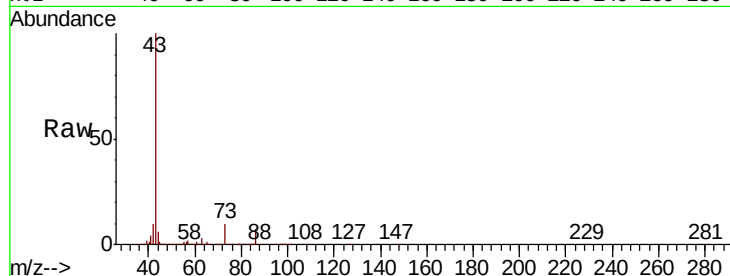
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2092047

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	10.0	7.4	11.2
44	5.4	3.3	4.9#

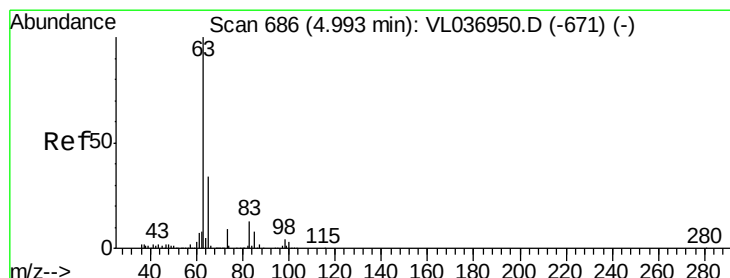
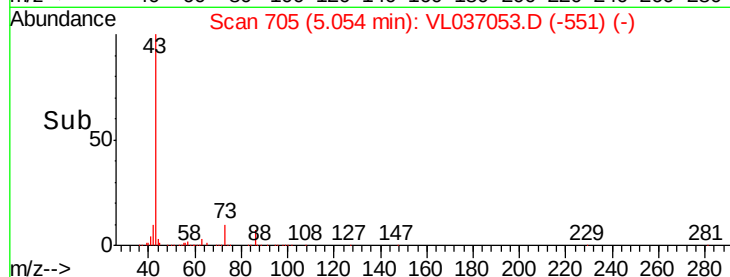
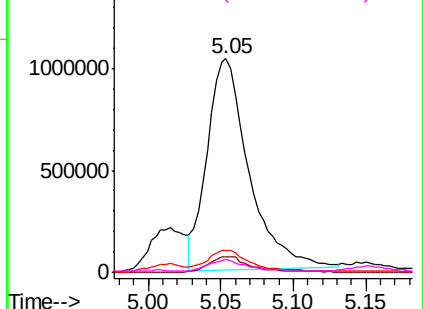


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.282 ppbv

RT: 4.99 min Scan# 685

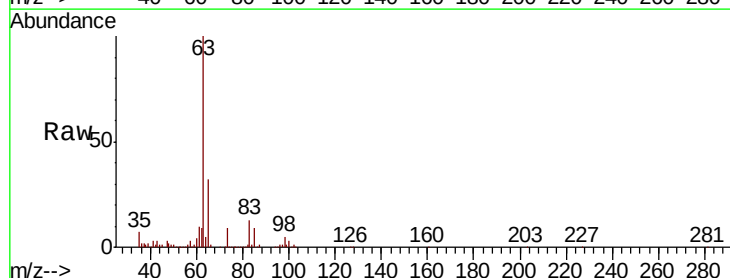
Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion: 63 Resp: 1591100

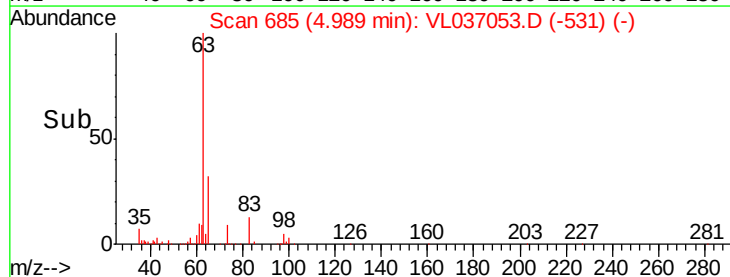
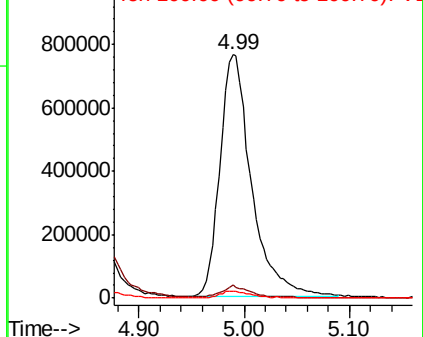
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.3	6.9
100	2.7	1.4	4.0

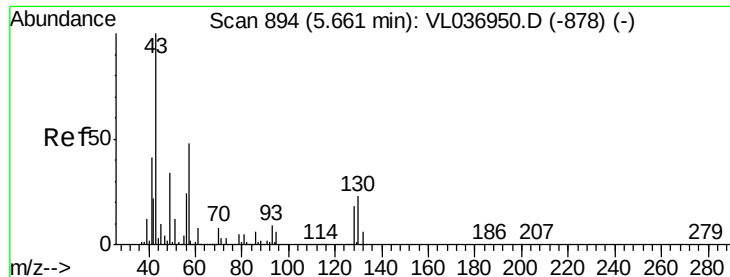


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.766 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

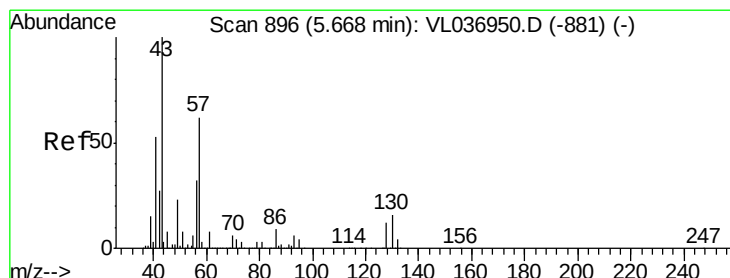
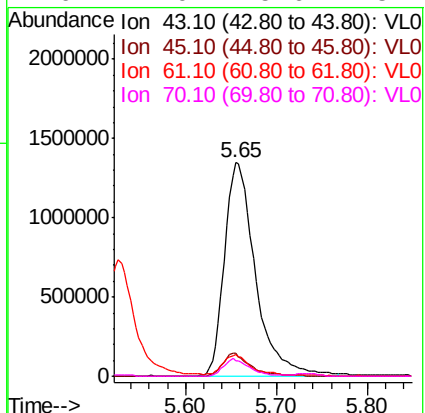
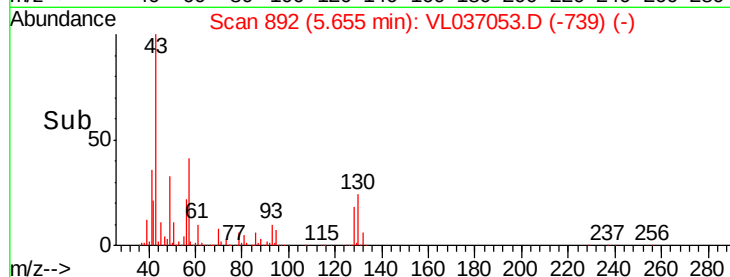
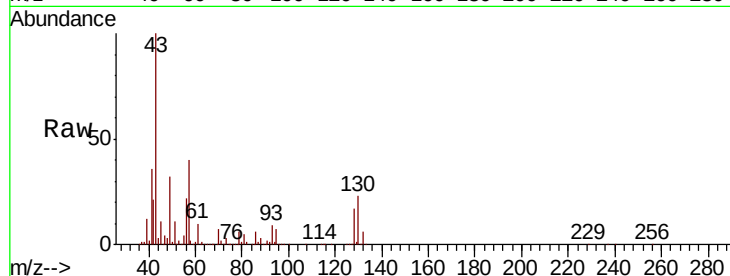
Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3193481

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	10.0	7.8	11.8
70	7.0	5.6	8.4



#26

Hexane

Concen: 10.205 ppbv

RT: 5.67 min Scan# 896

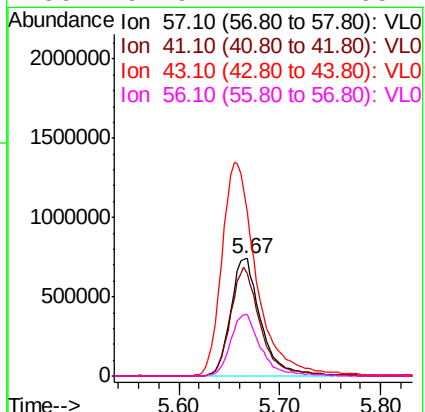
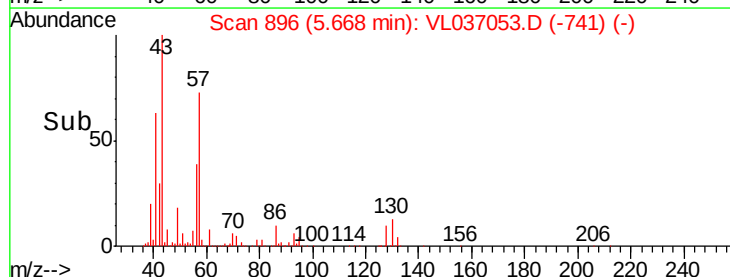
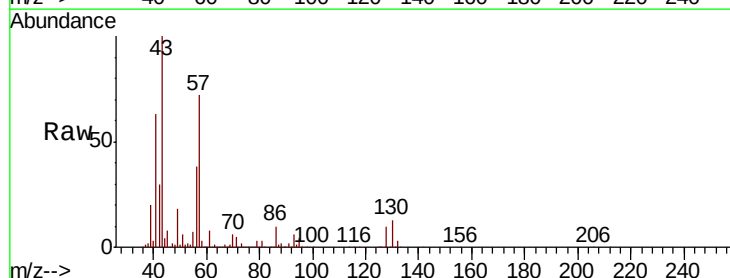
Delta R.T. -0.00 min

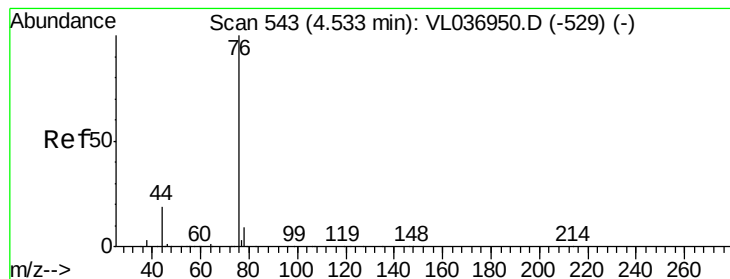
Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion: 57 Resp: 1546446

Ion	Ratio	Lower	Upper
57	100		
41	92.4	70.5	105.7
43	209.5	165.8	248.8
56	52.9	42.2	63.4





#27

Carbon Disulfide

Concen: 10.961 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampled :

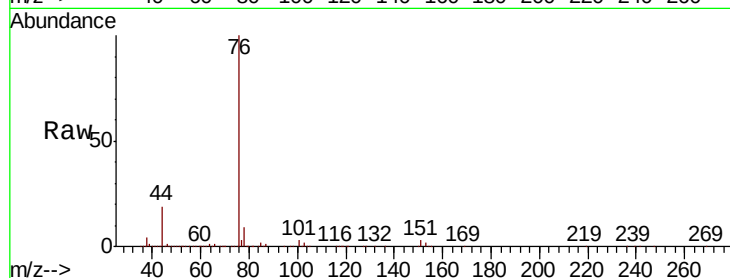
Tot Ion: 76 Resp: 1674107

Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.5	23.3
78	9.7	7.8	11.6

76 100

44 19.4 15.5 23.3

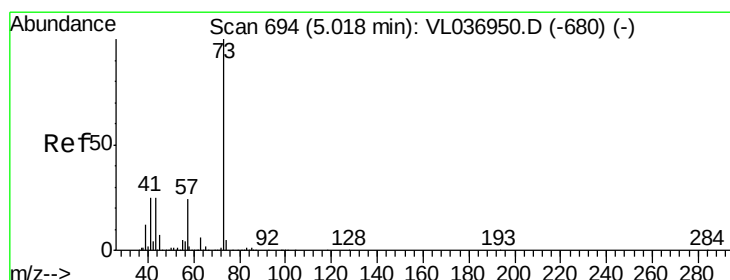
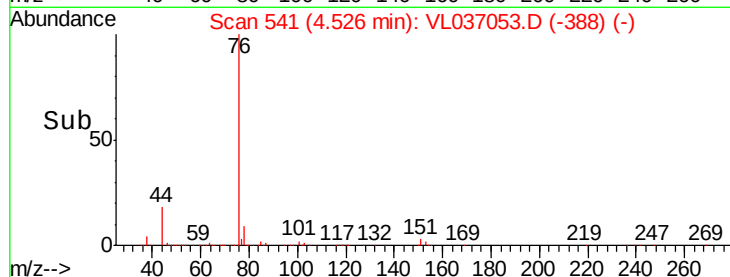
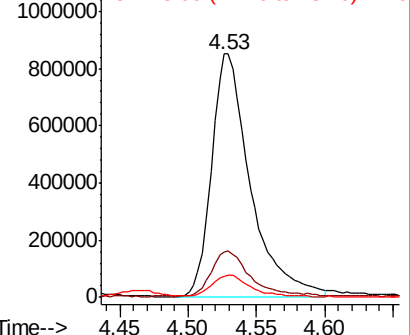
78 9.7 7.8 11.6



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: 10.210 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL037053.D

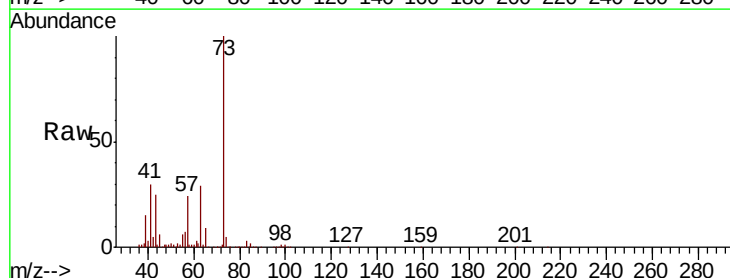
Acq: 24 May 2021 18:03

Tgt Ion: 73 Resp: 1854669

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5

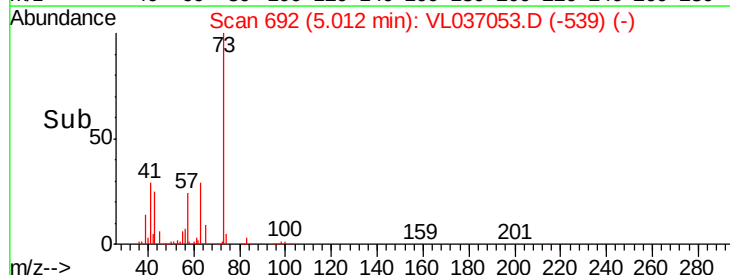
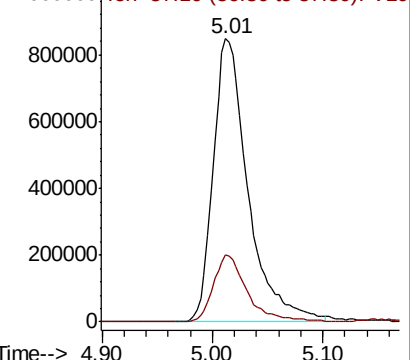
73 100

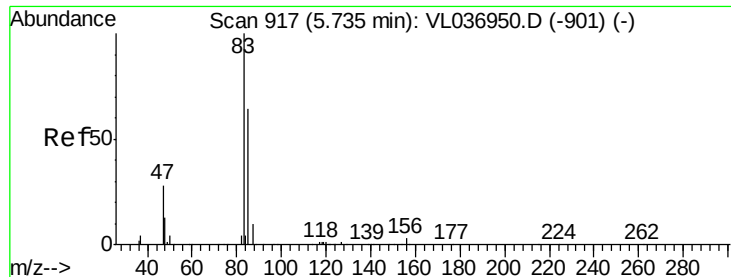
57 23.0 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

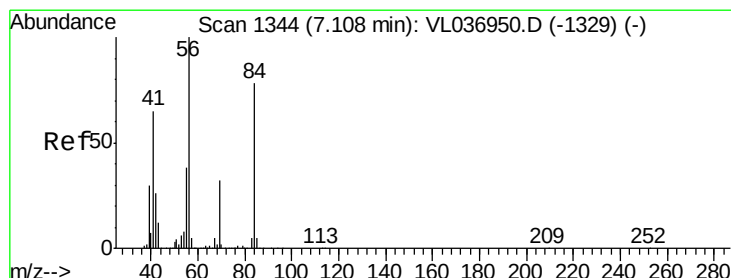
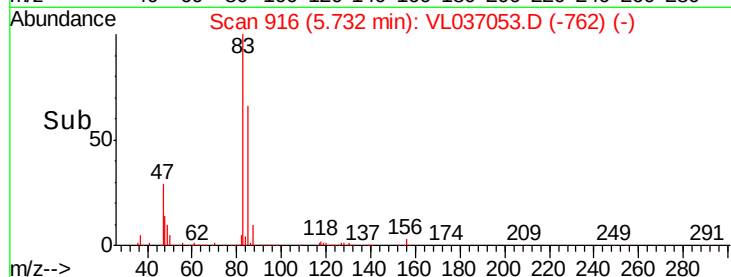
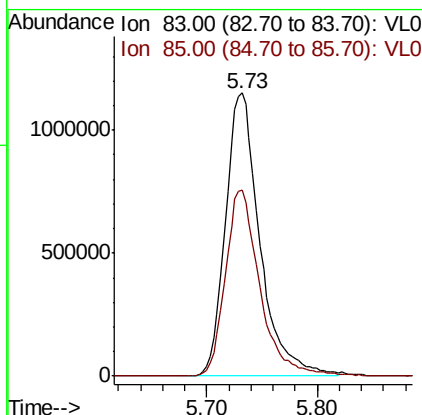
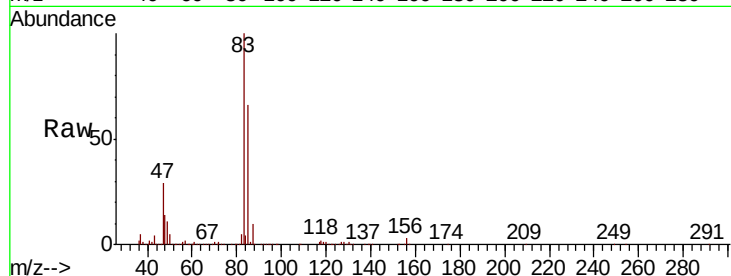




#29
Chloroform
Concen: 11.612 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

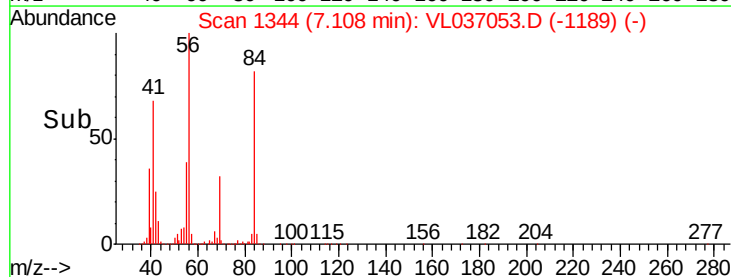
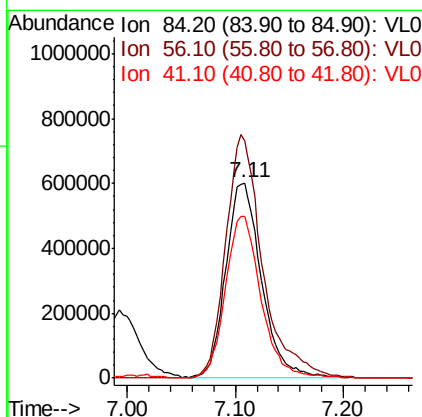
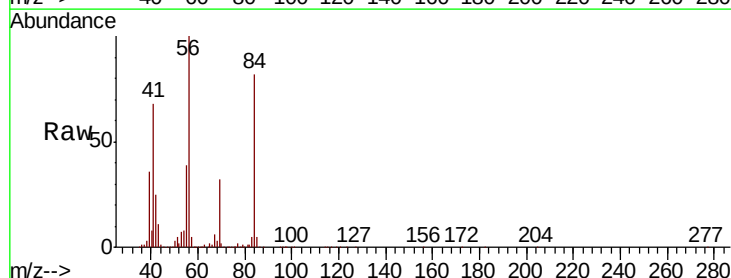
Instrument :
MSVOA_L
ClientSampleId :

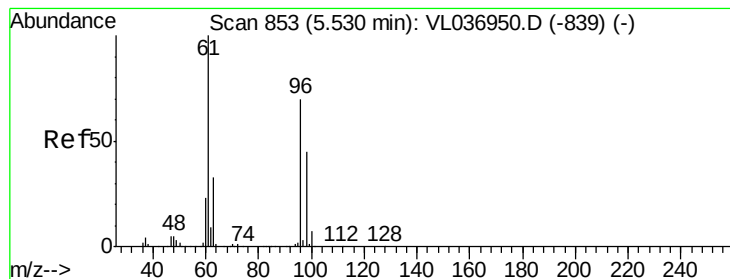
Tot Ion: 83 Resp: 2486002
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7



#30
Cyclohexane
Concen: 10.833 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 84 Resp: 1395017
Ion Ratio Lower Upper
84 100
56 128.9 107.9 161.9
41 82.3 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 11.442 ppbv

RT: 5.53 min Scan# 852

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

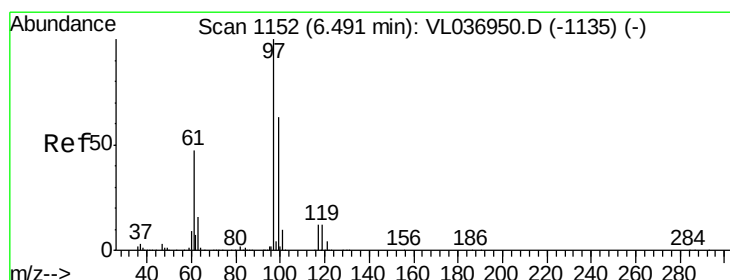
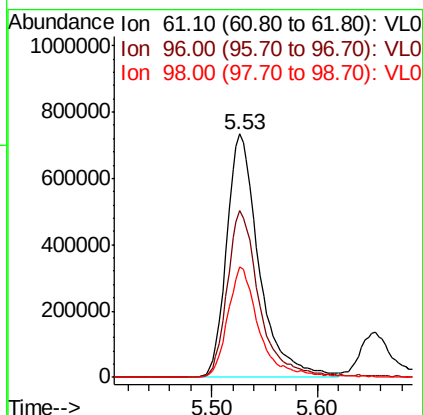
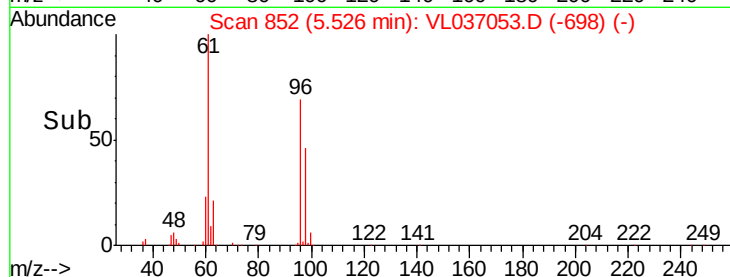
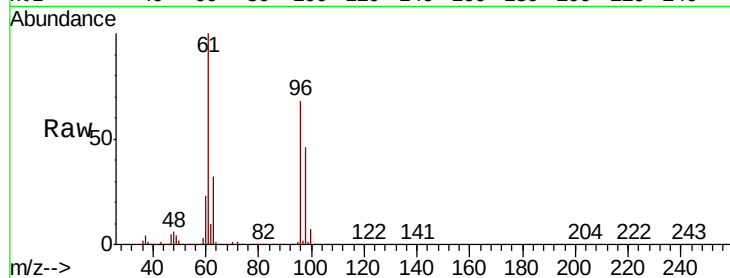
Tot Ion: 61 Resp: 1554573

Ion Ratio Lower Upper

61 100

96 68.4 55.9 83.9

98 45.6 35.6 53.4



#32

1,1,1-Trichloroethane

Concen: 11.084 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

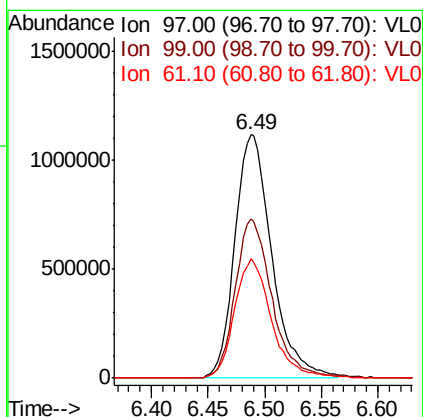
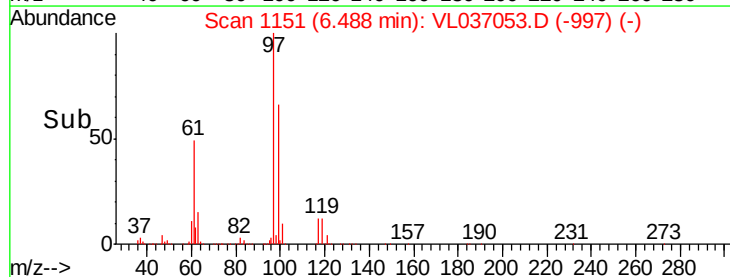
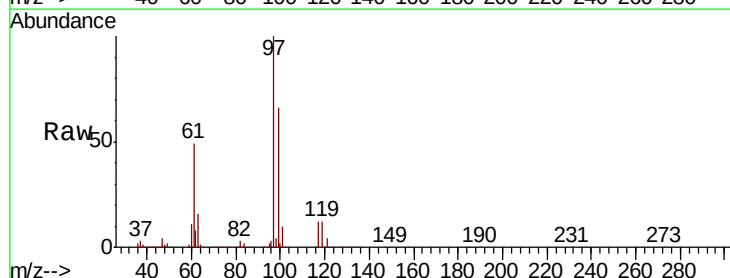
Tgt Ion: 97 Resp: 2548159

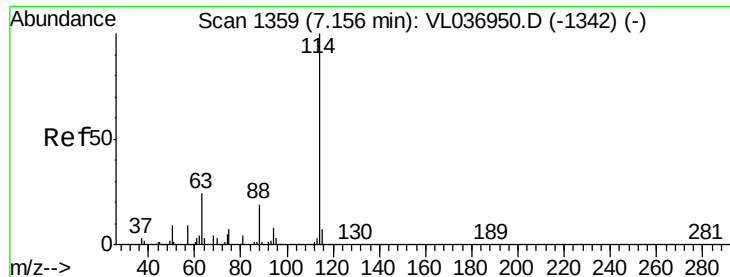
Ion Ratio Lower Upper

97 100

99 65.4 51.9 77.9

61 48.9 37.6 56.4

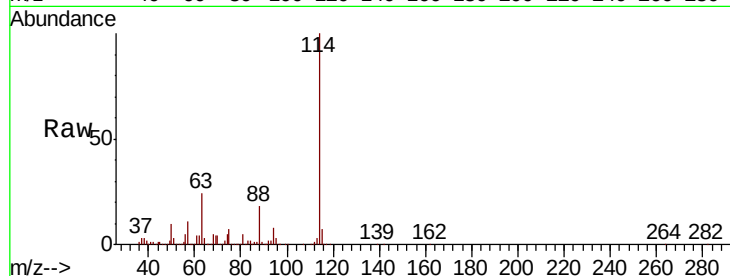




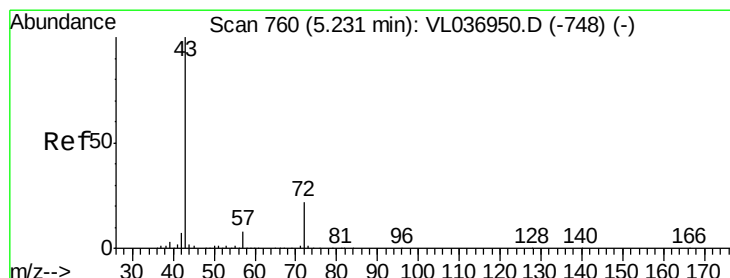
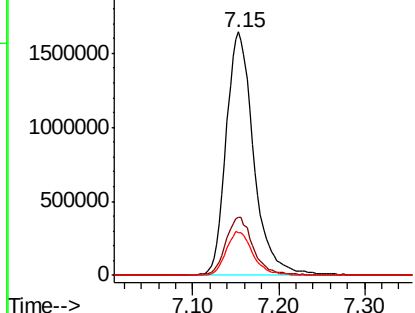
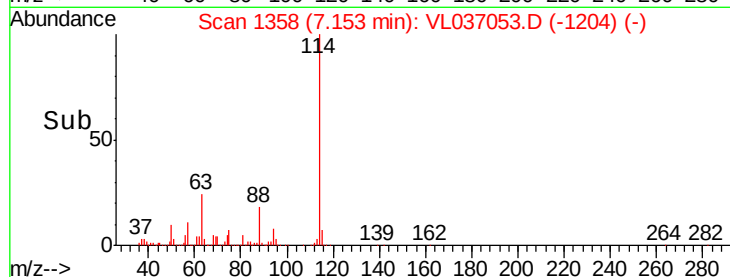
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3662650
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.6 14.6 21.8

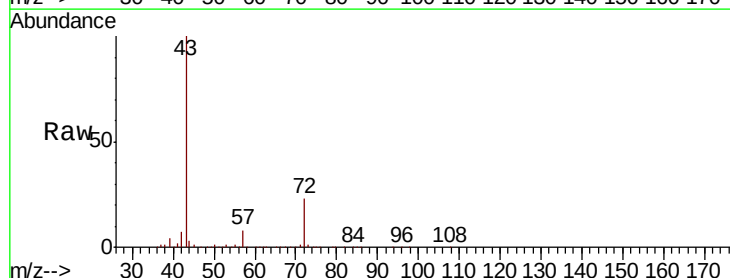


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

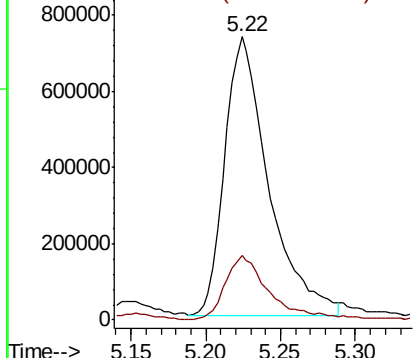
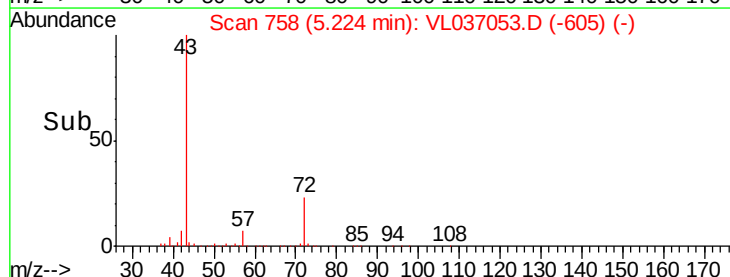


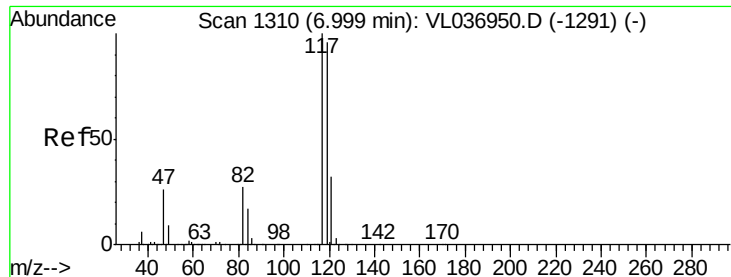
#34
 2-Butanone
 Concen: 11.236 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 43 Resp: 1498472
 Ion Ratio Lower Upper
 43 100
 72 23.6 19.0 28.4



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

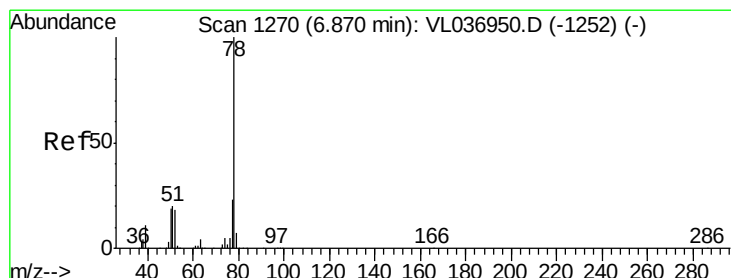
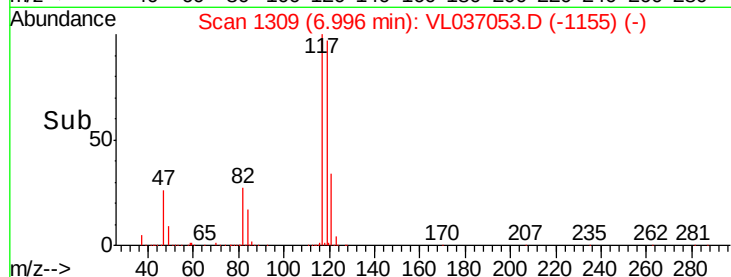
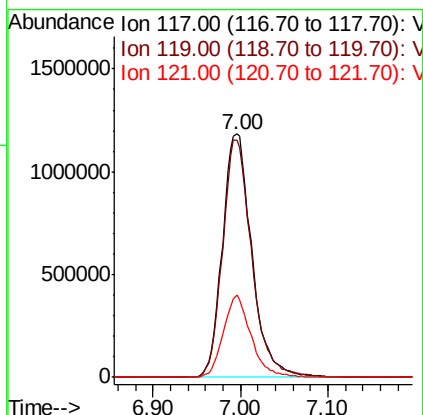
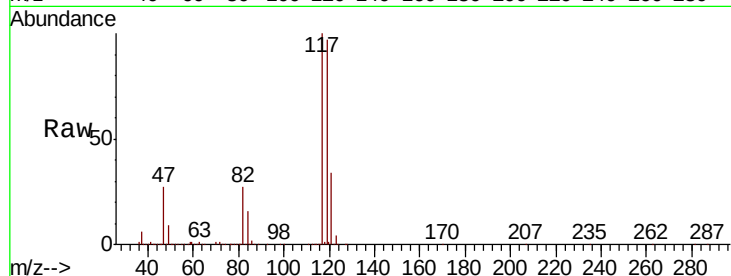




#35
Carbon Tetrachloride
Concen: 11.334 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

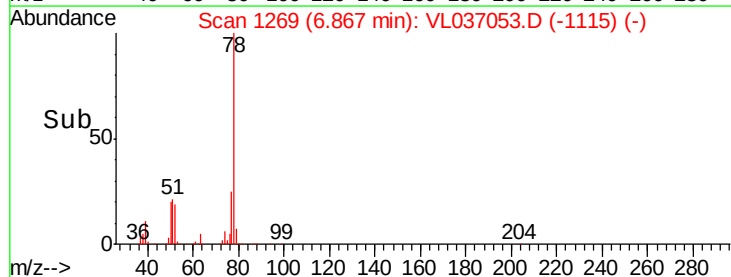
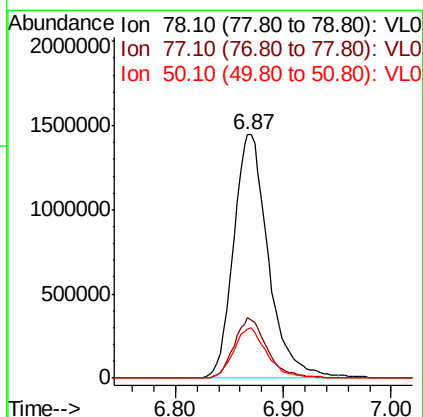
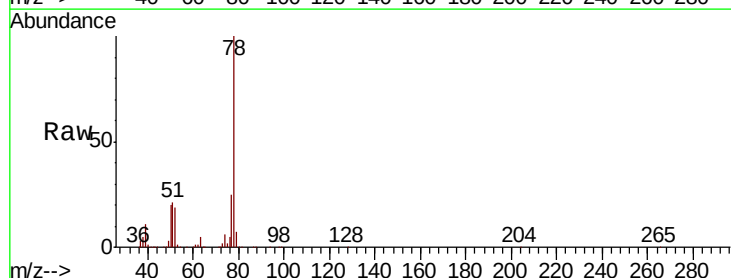
Instrument :
MSVOA_L
ClientSampleId :

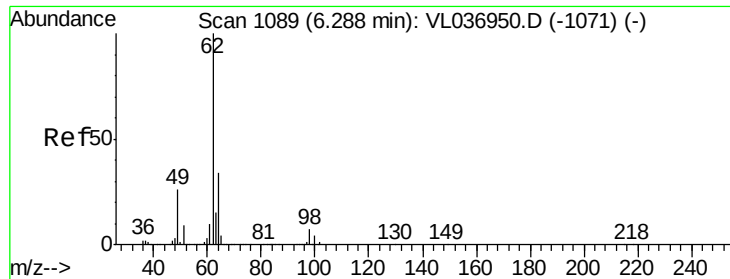
Tot Ion:117 Resp: 2758112
Ion Ratio Lower Upper
117 100
119 97.3 76.6 114.8
121 33.8 25.8 38.6



#36
Benzene
Concen: 10.266 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 78 Resp: 3238691
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0
50 20.3 15.0 22.4

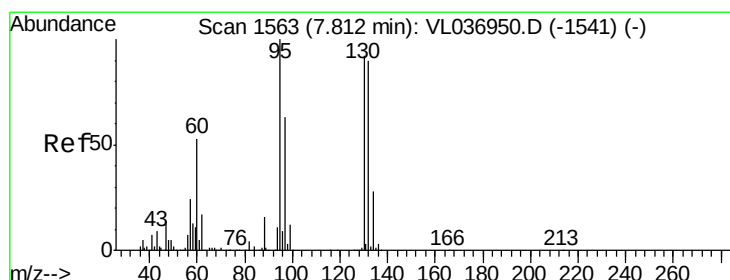
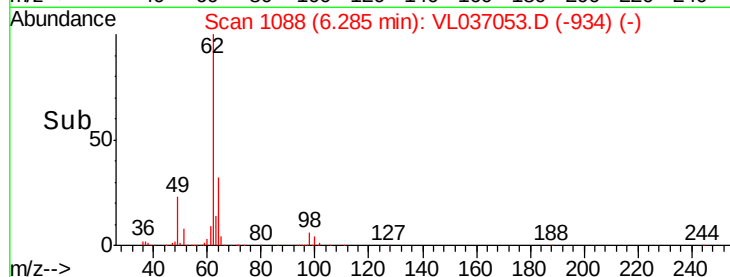
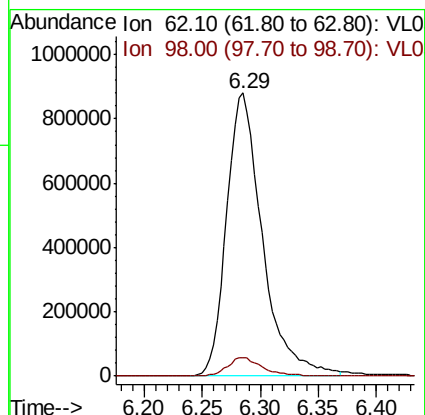
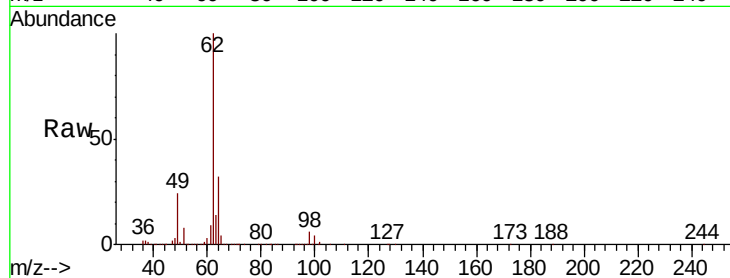




#37
 1,2-Dichloroethane
 Concen: 12.015 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

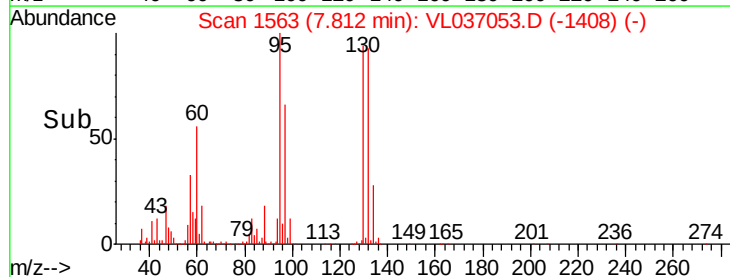
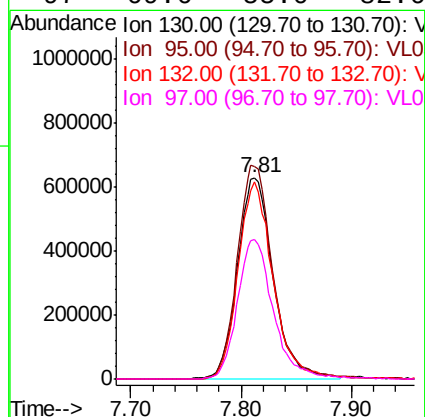
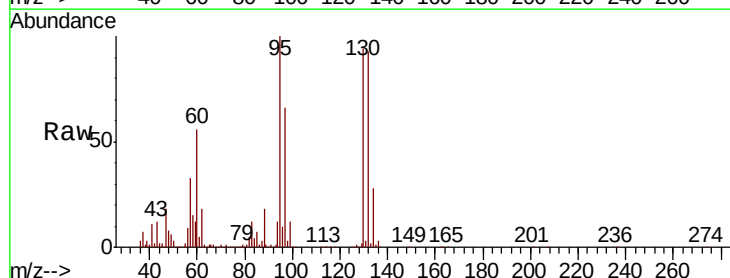
Instrument :
 MSVOA_L
 ClientSampleId :

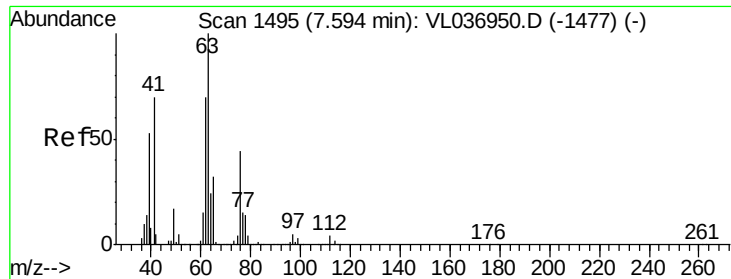
Tot Ion: 62 Resp: 1879311
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.5 8.3



#38
 Trichloroethene
 Concen: 10.352 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion:130 Resp: 1397071
 Ion Ratio Lower Upper
 130 100
 95 106.2 86.9 130.3
 132 98.5 78.4 117.6
 97 69.6 55.0 82.6

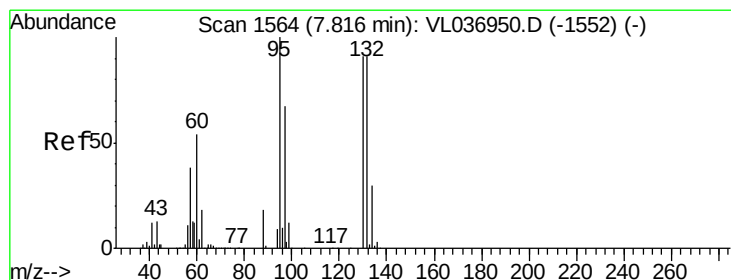
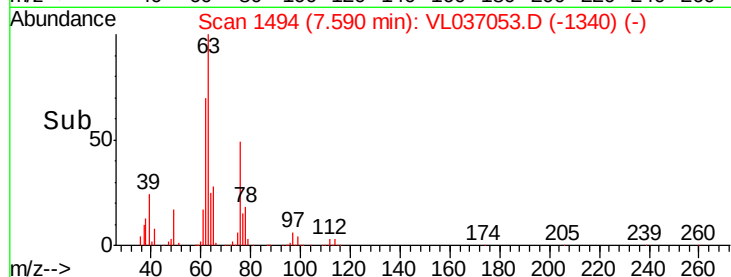
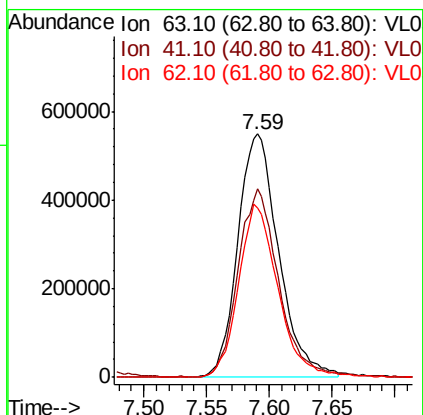
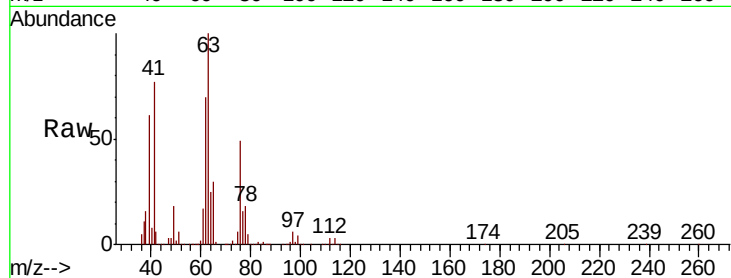




#39
 1,2-Dichloropropane
 Concen: 10.218 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

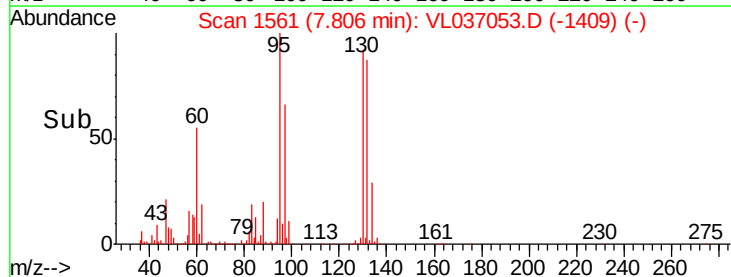
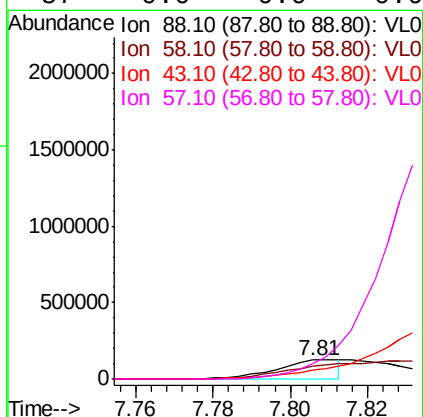
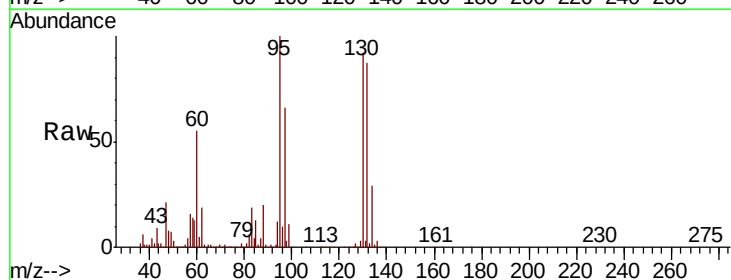
Instrument :
 MSVOA_L
 ClientSampleId :

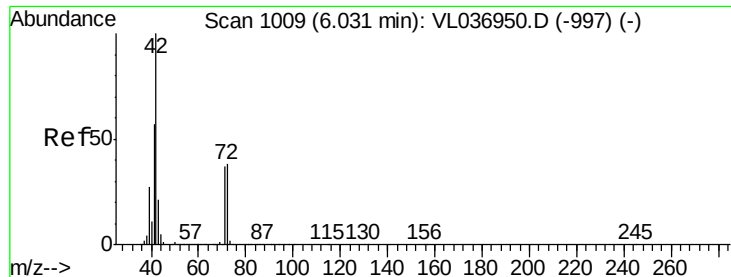
Tot Ion: 63 Resp: 1241790
 Ion Ratio Lower Upper
 63 100
 41 77.1 55.7 83.5
 62 69.8 56.2 84.4



#40
 1,4-Dioxane
 Concen: 4.801 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 88 Resp: 137773
 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

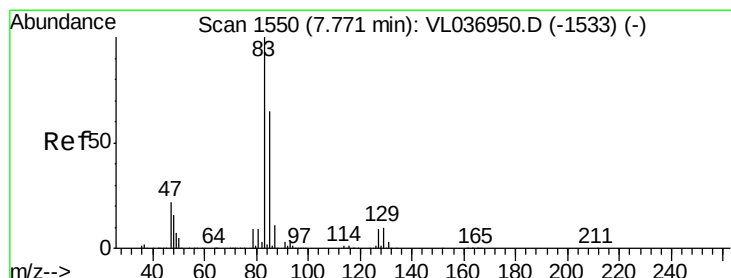
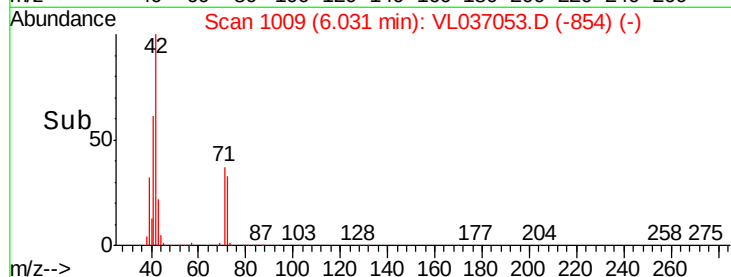
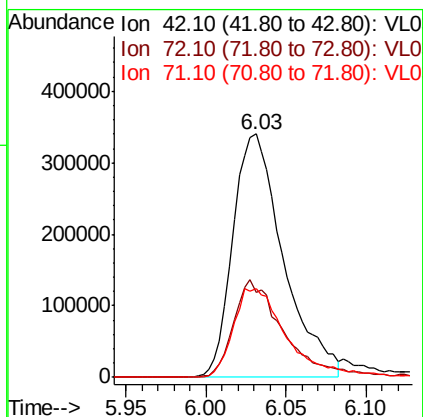
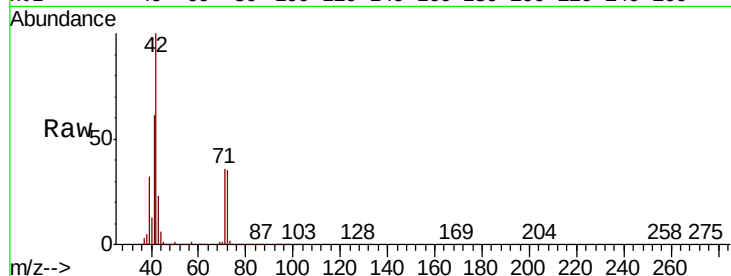




#41
Tetrahydrofuran
Concen: 9.678 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

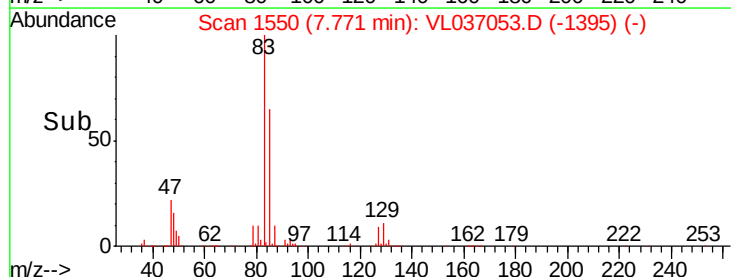
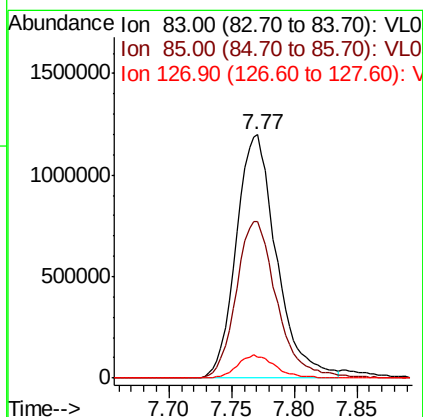
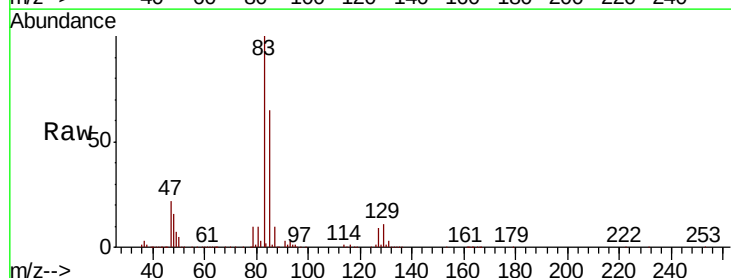
Instrument :
MSVOA_L
ClientSampleId :

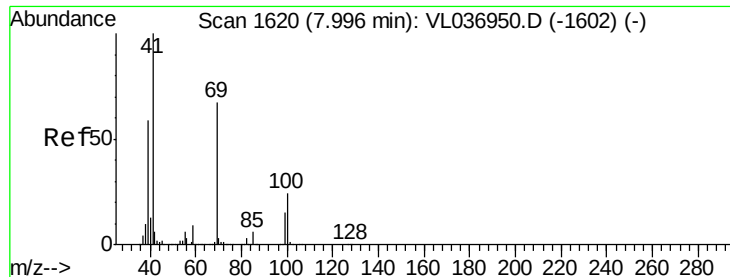
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.4	47.2
71	39.8	30.4	45.6



#42
Bromodichloromethane
Concen: 11.341 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5
127	8.6	6.9	10.3





#43

Methyl Methacrylate

Concen: 10.967 ppbv

RT: 7.99 min Scan# 1618

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

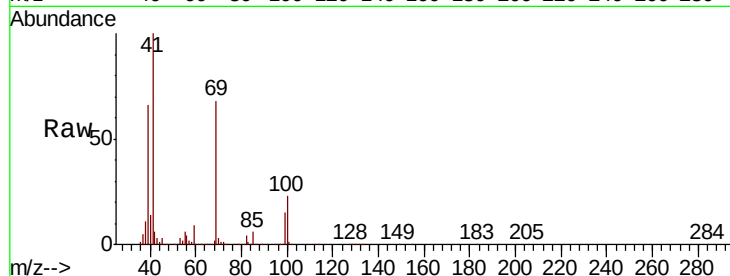
Tot Ion: 69 Resp: 1192462

Ion Ratio Lower Upper

69 100

41 150.7 118.6 178.0

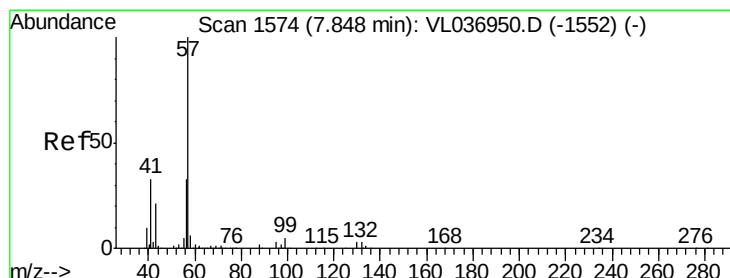
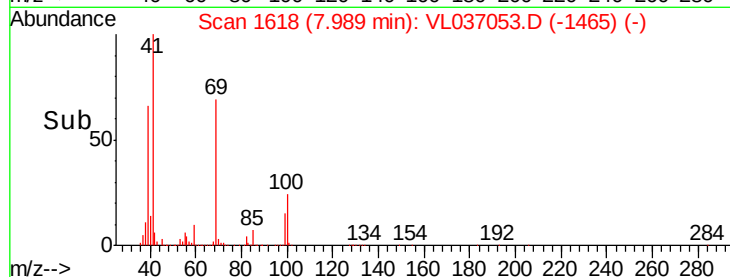
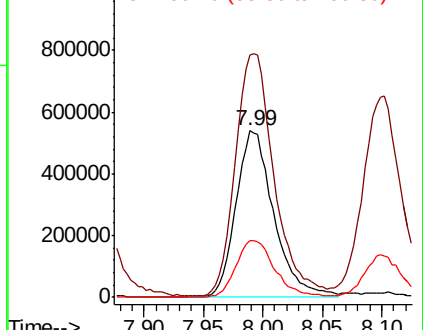
100 34.8 28.2 42.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.828 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

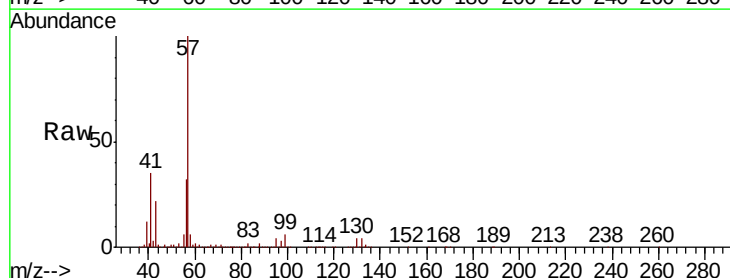
Tgt Ion: 57 Resp: 5319581

Ion Ratio Lower Upper

57 100

41 35.0 27.0 40.4

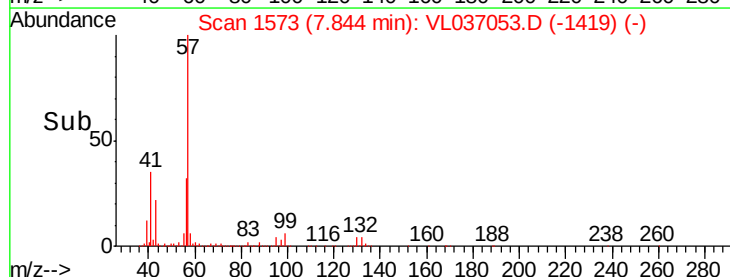
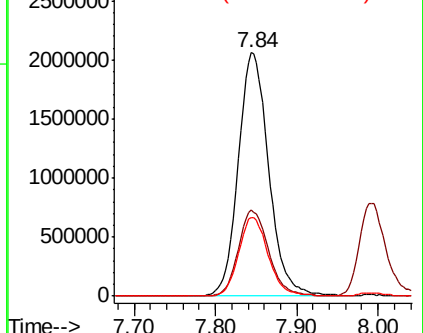
56 31.4 25.4 38.2

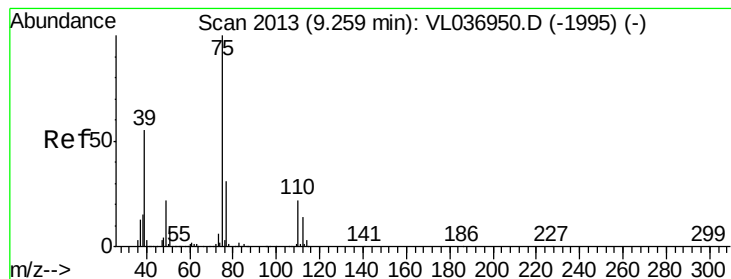


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 14.371 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

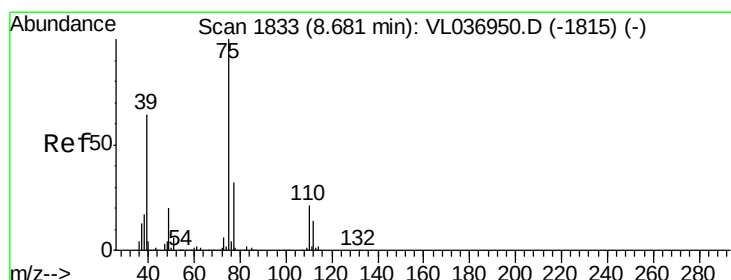
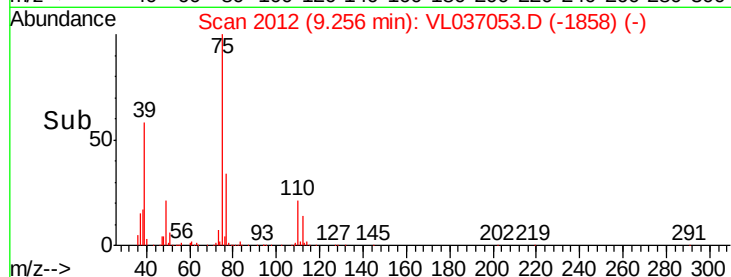
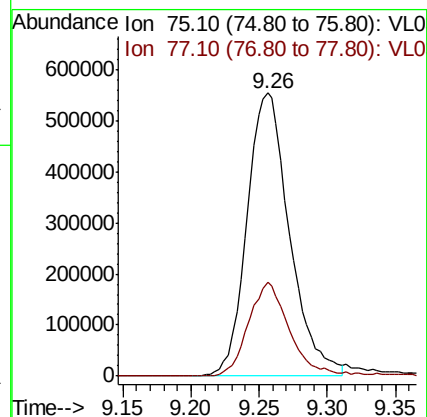
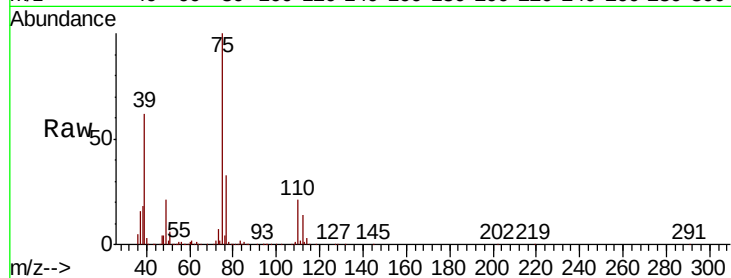
ClientSampled :

Tot Ion: 75 Resp: 1193862

Ion Ratio Lower Upper

75 100

77 33.4 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 13.609 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

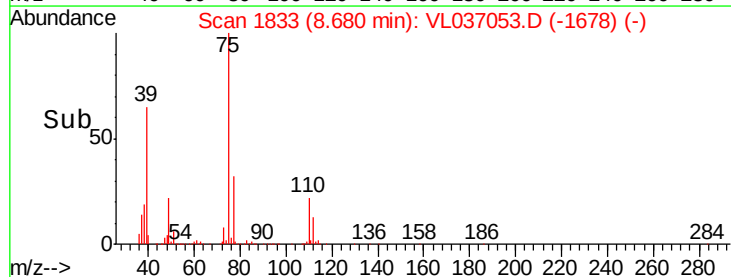
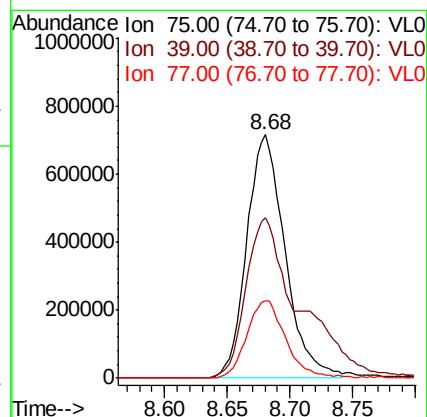
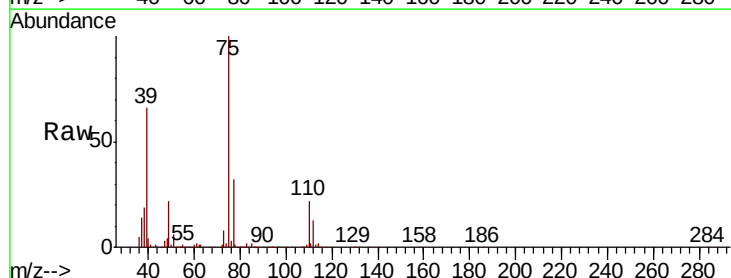
Tgt Ion: 75 Resp: 1520659

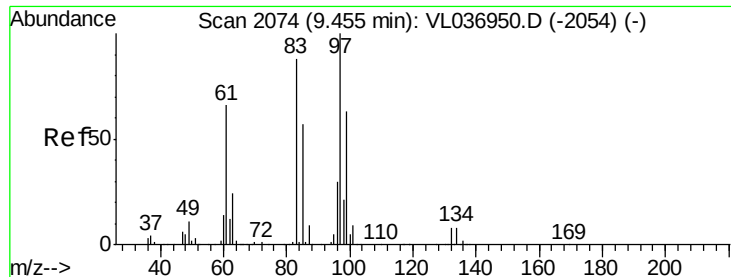
Ion Ratio Lower Upper

75 100

39 65.9 51.5 77.3

77 31.5 25.9 38.9



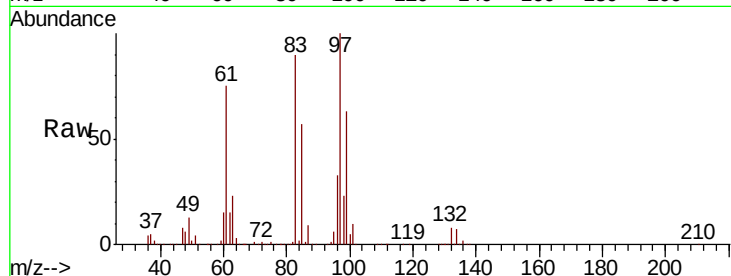


#47
 1,1,2-Trichloroethane
 Concen: 10.813 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

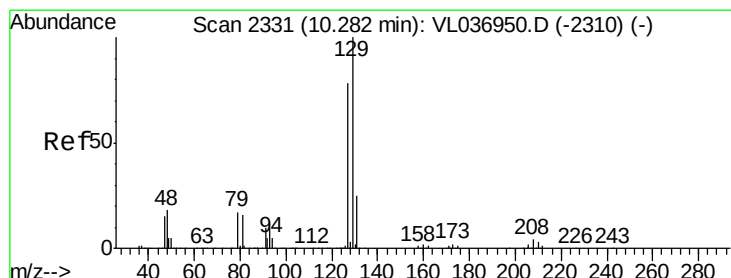
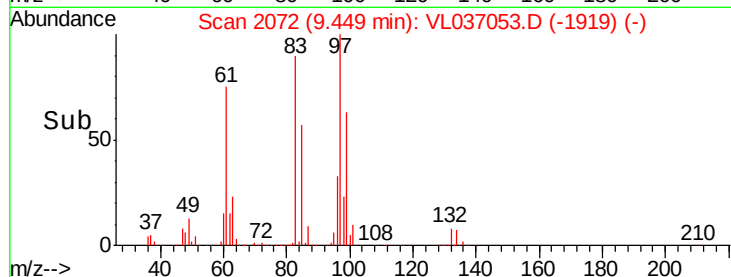
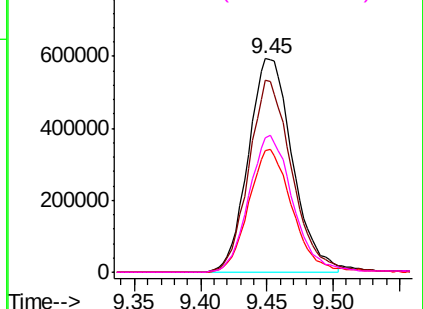
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1375379

Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.4	105.6
85	56.7	45.5	68.3
99	62.9	50.2	75.2



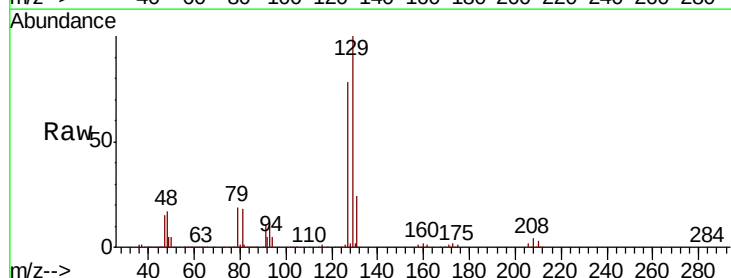
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



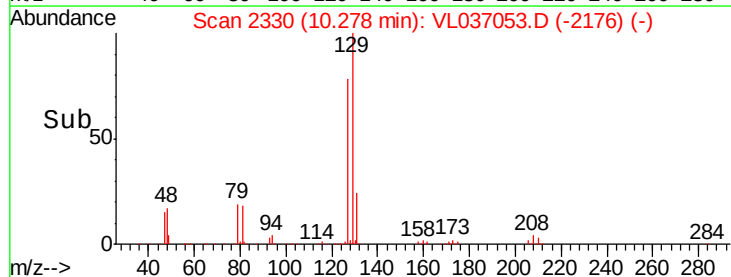
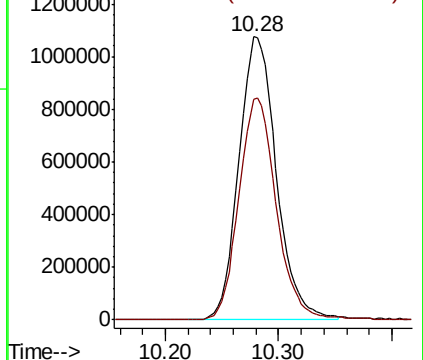
#48
 Dibromochloromethane
 Concen: 12.053 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

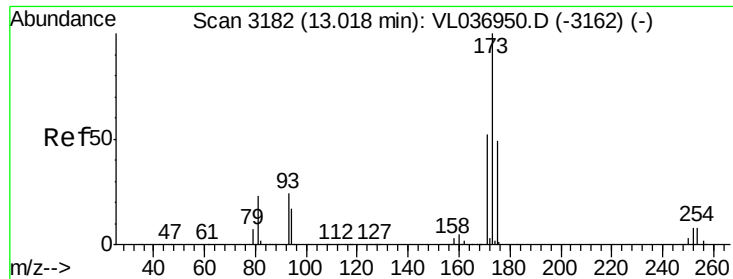
Tgt Ion: 129 Resp: 2482449

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.093 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

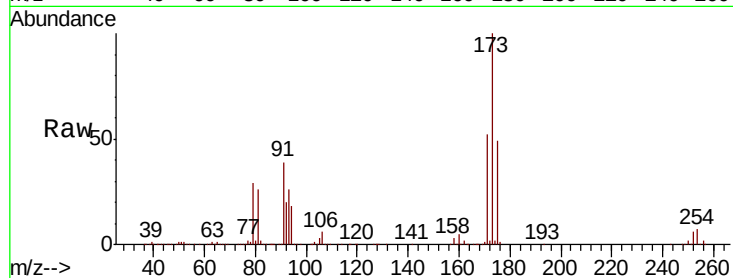
Tot Ion:173 Resp: 2056881

Ion Ratio Lower Upper

173 100

175 50.7 40.4 60.6

171 54.2 42.6 64.0

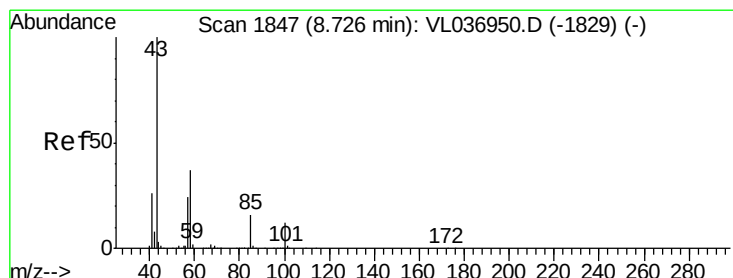
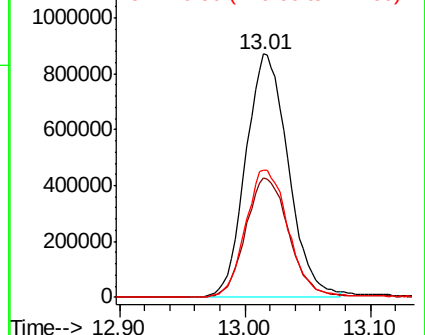
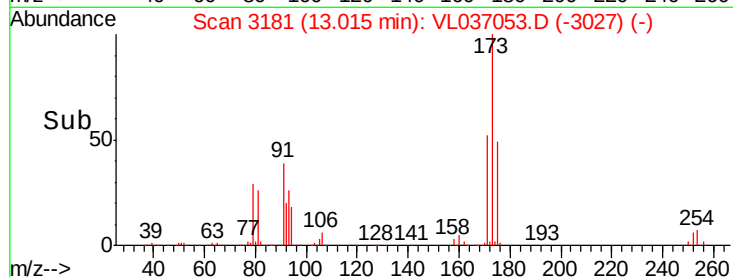


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.460 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037053.D

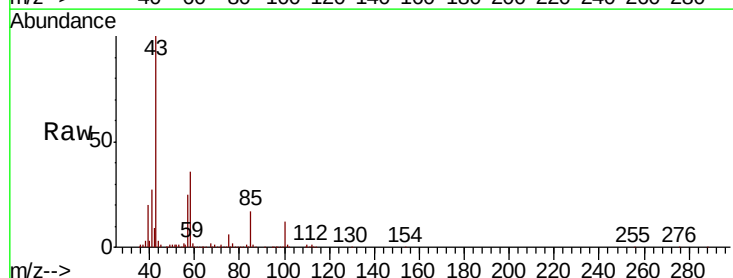
Acq: 24 May 2021 18:03

Tgt Ion: 43 Resp: 2301905

Ion Ratio Lower Upper

43 100

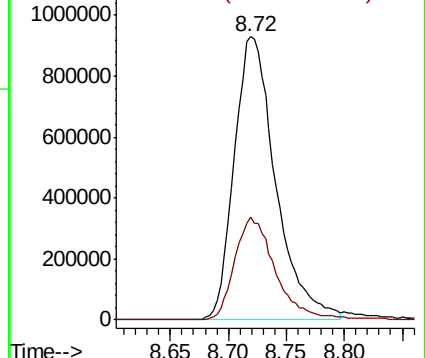
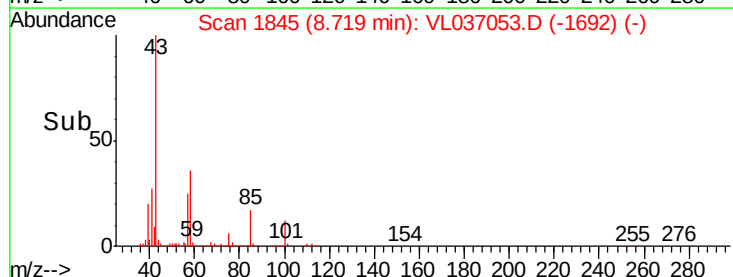
58 36.2 29.4 44.2

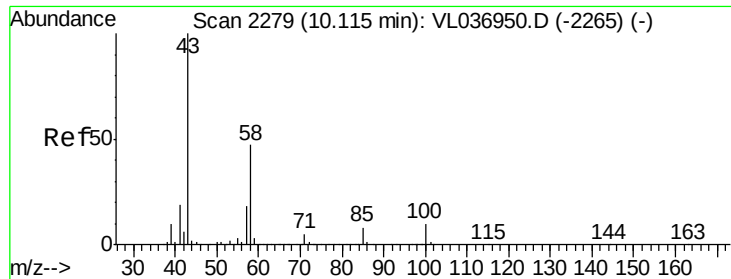


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

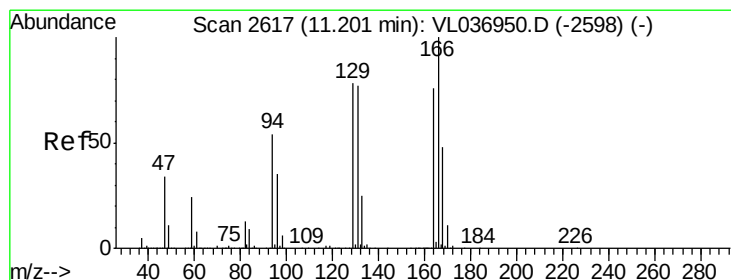
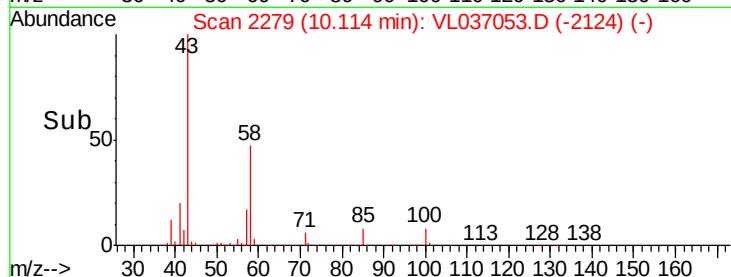
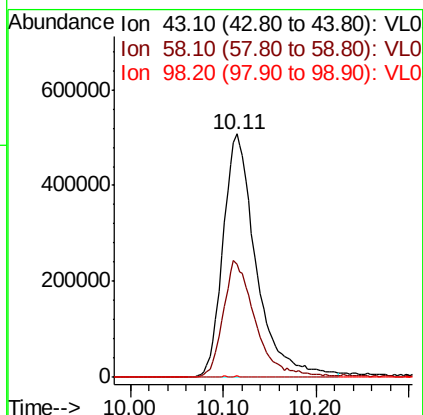
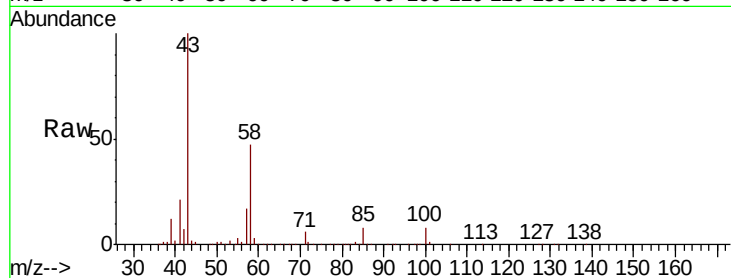




#51
2-Hexanone
Concen: 10.789 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

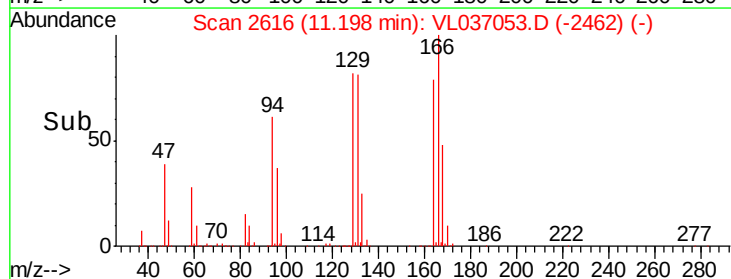
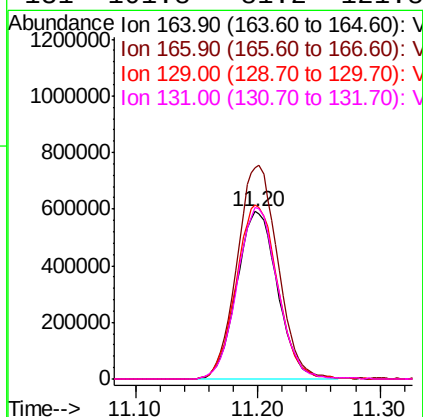
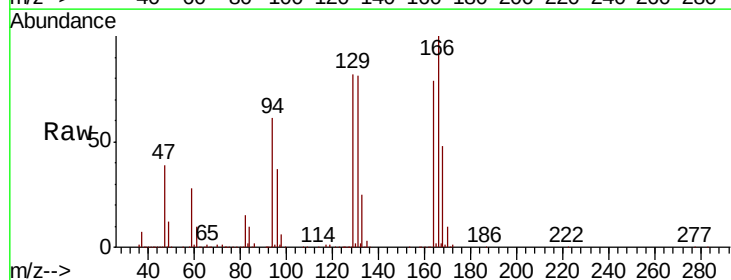
Instrument :
MSVOA_L
ClientSampleId :

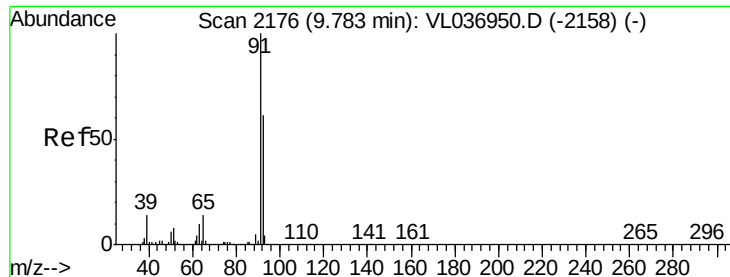
Tot Ion: 43 Resp: 1255192
Ion Ratio Lower Upper
43 100
58 48.0 41.1 61.7
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.901 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 164 Resp: 1367583
Ion Ratio Lower Upper
164 100
166 126.2 105.5 158.3
129 103.9 81.8 122.8
131 101.8 81.2 121.8





#53

Toluene

Concen: 10.468 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

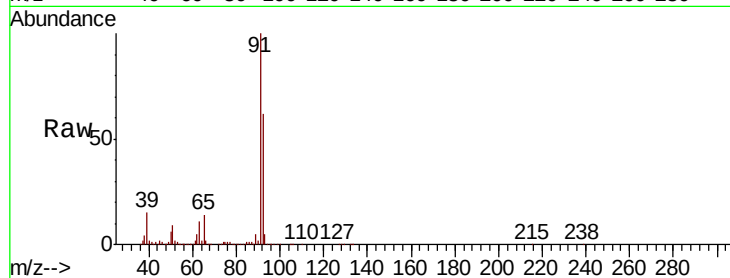
ClientSampleId :

Tot Ion: 91 Resp: 3929420

Ion Ratio Lower Upper

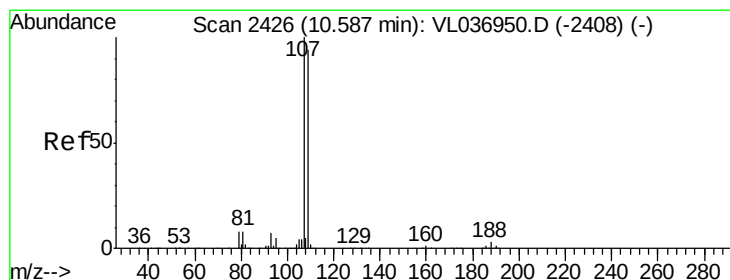
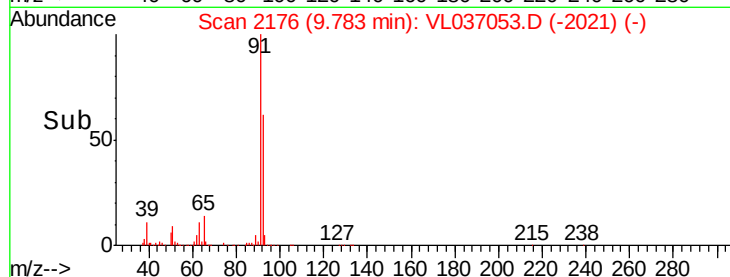
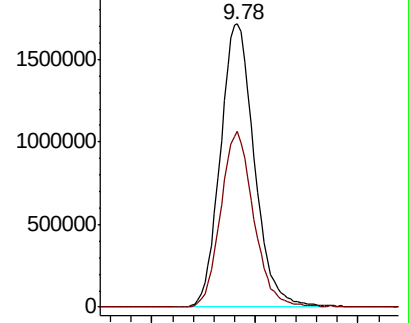
91 100

92 60.7 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.706 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037053.D

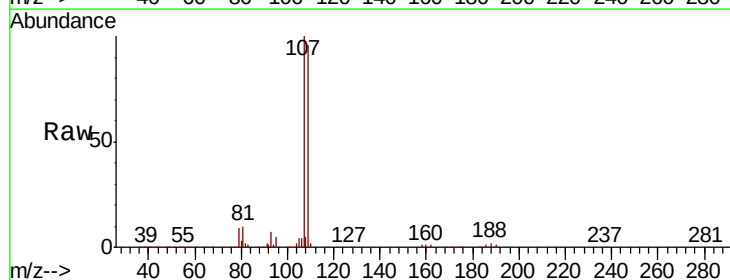
Acq: 24 May 2021 18:03

Tgt Ion:107 Resp: 2116977

Ion Ratio Lower Upper

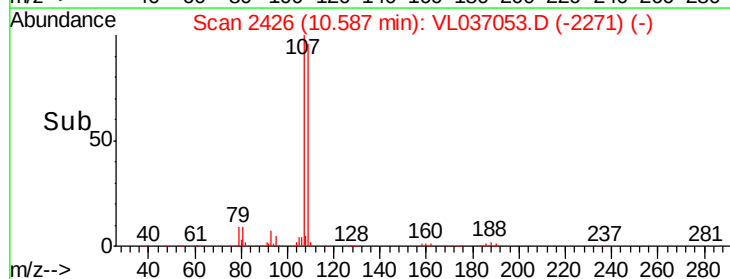
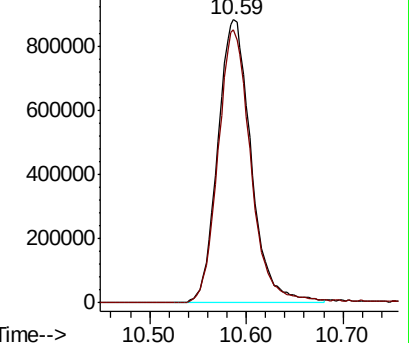
107 100

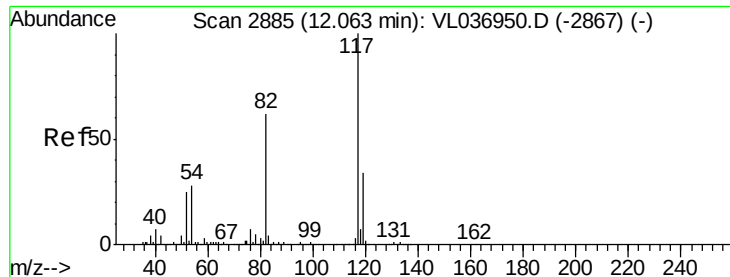
109 96.3 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampled :

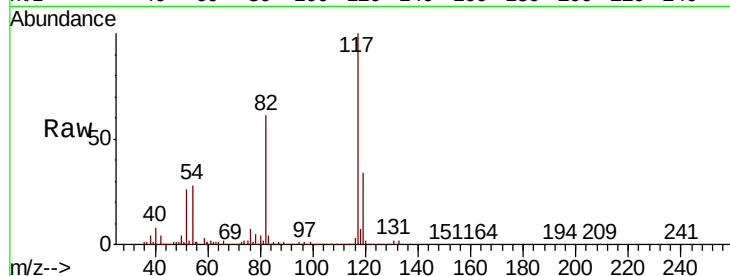
Tot Ion:117 Resp: 4381122

Ion Ratio Lower Upper

117 100

82 49.1 52.6 79.0#

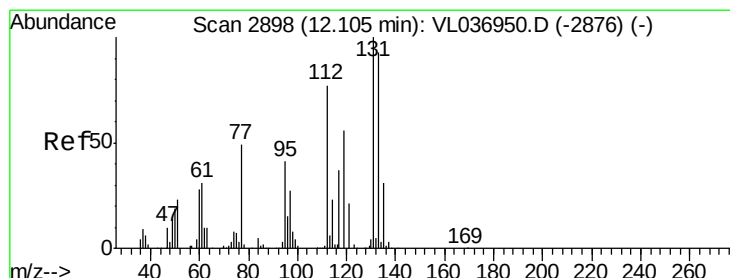
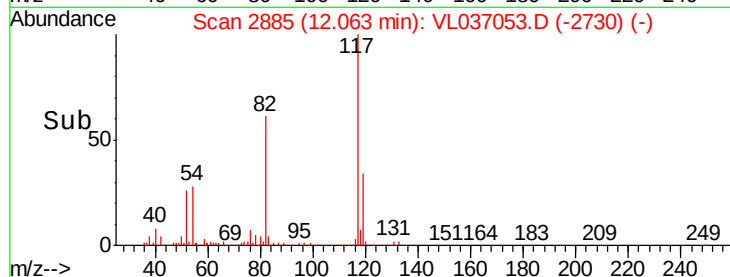
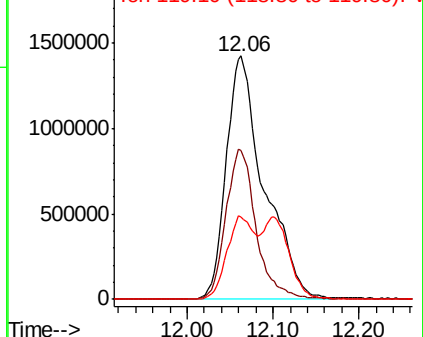
119 23.2 46.6 70.0#



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: 9.208 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

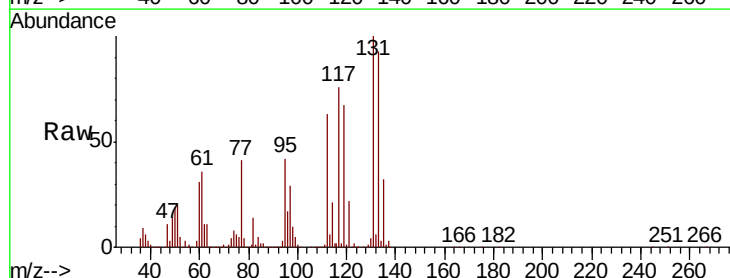
Tgt Ion:131 Resp: 1697389

Ion Ratio Lower Upper

131 100

133 95.4 76.9 115.3

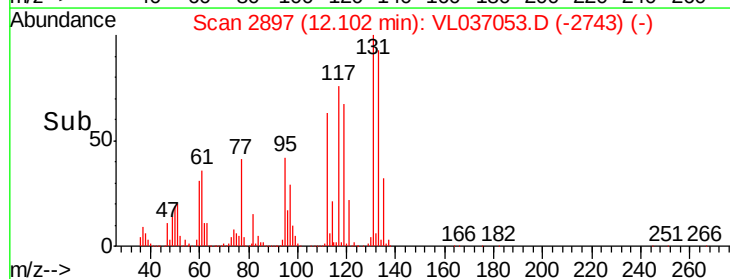
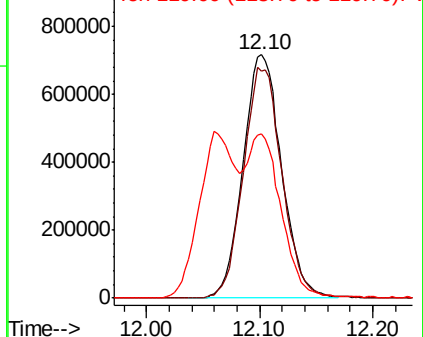
119 66.2 120.2 180.4#

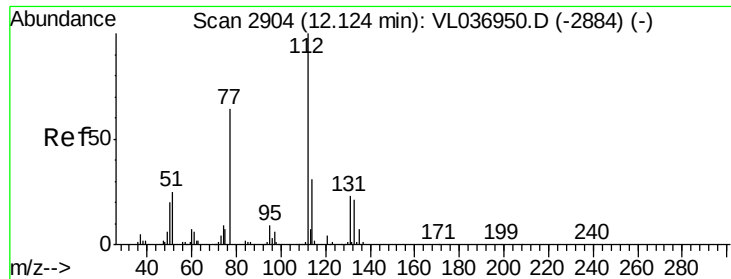


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

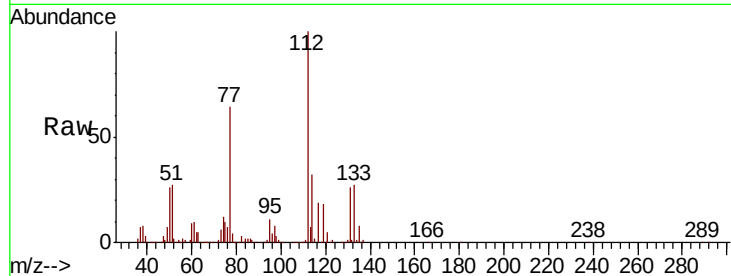




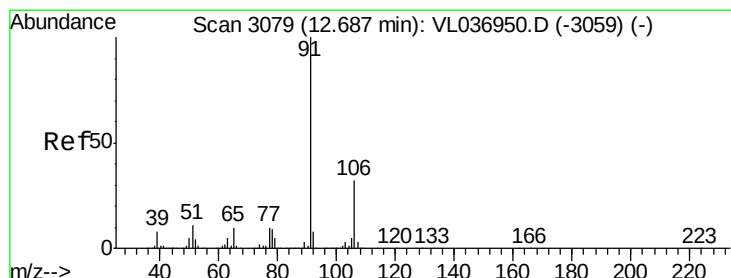
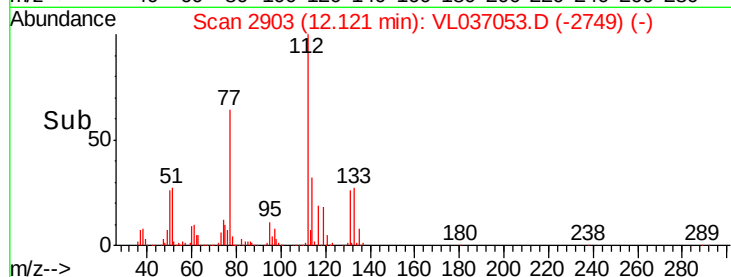
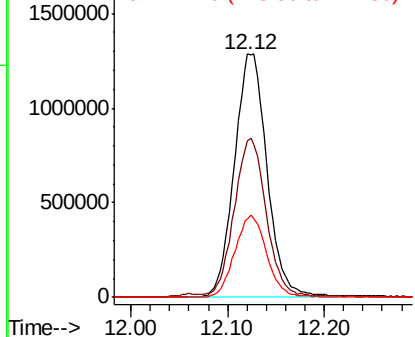
#57
Chlorobenzene
Concen: 8.919 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3029816
Ion Ratio Lower Upper
112 100
77 63.6 51.0 76.6
114 32.4 28.3 34.5

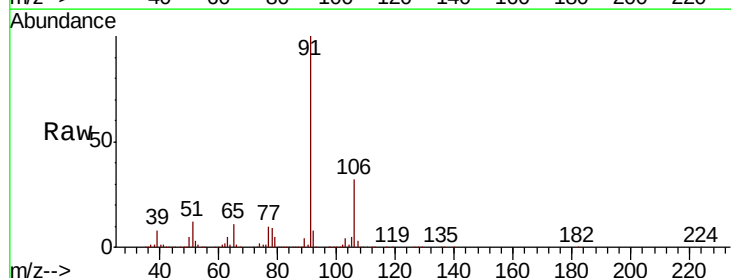


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

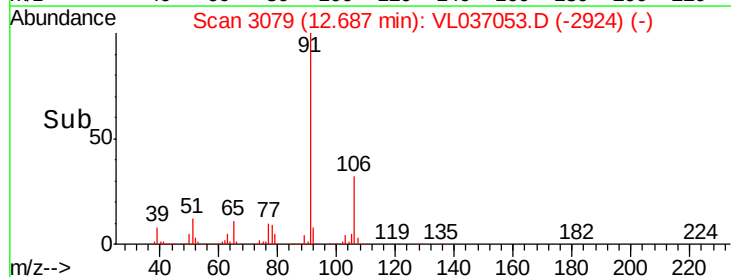
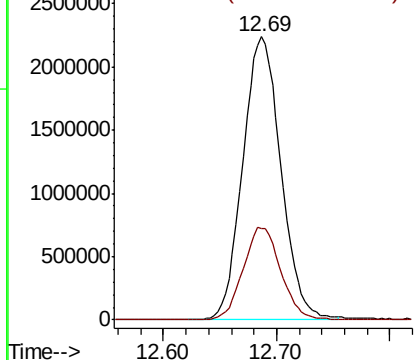


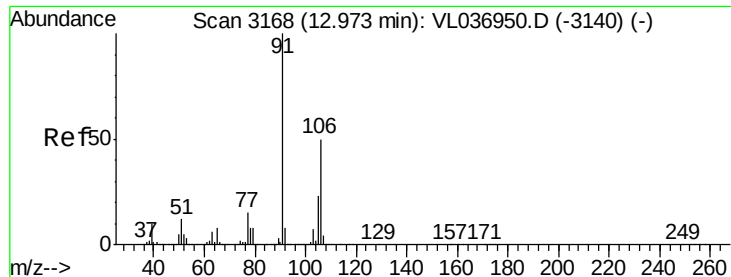
#58
Ethyl Benzene
Concen: 8.475 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 5240535
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

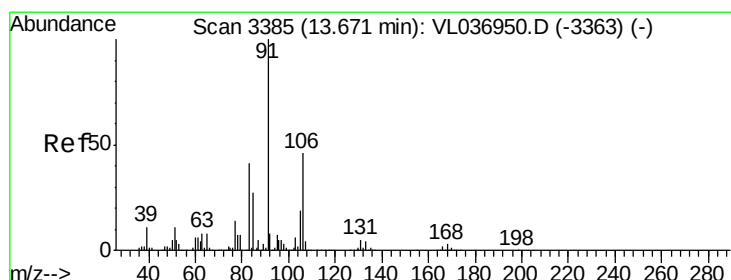
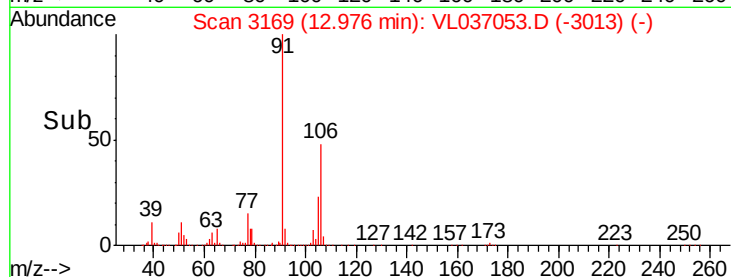
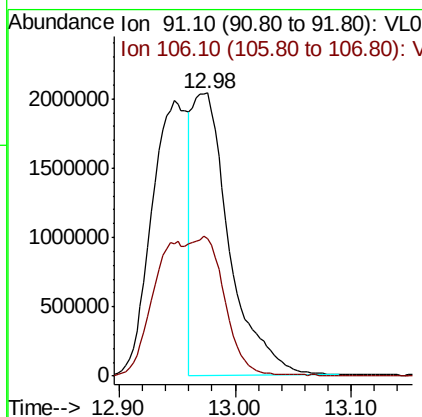
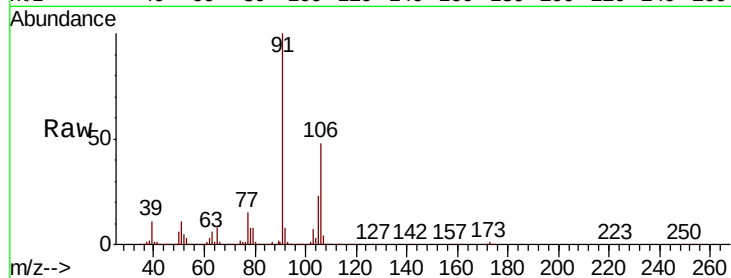




#59
m/p-Xylene
Concen: 8.792 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

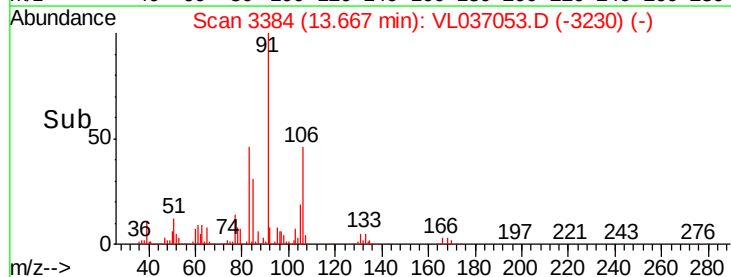
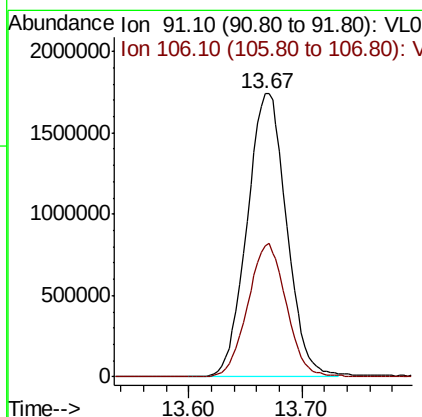
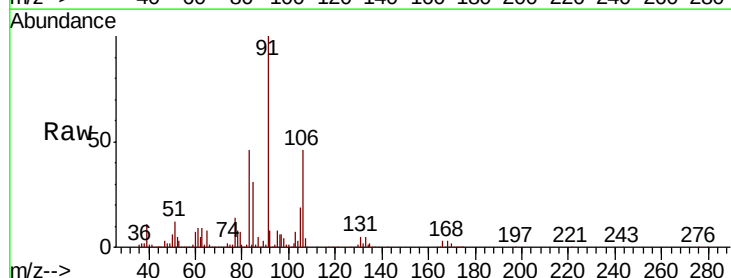
Instrument :
MSVOA_L
ClientSampled :

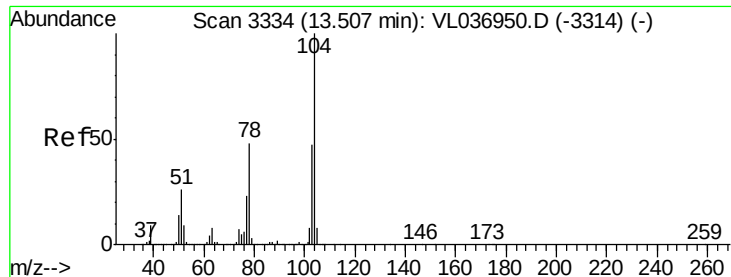
Tot Ion: 91 Resp: 4493729
Ion Ratio Lower Upper
91 100
106 90.6 37.4 56.2#



#60
o-Xylene
Concen: 8.661 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL037053.D
Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 4222082
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





#61

Stvrene

Concen: 9.080 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

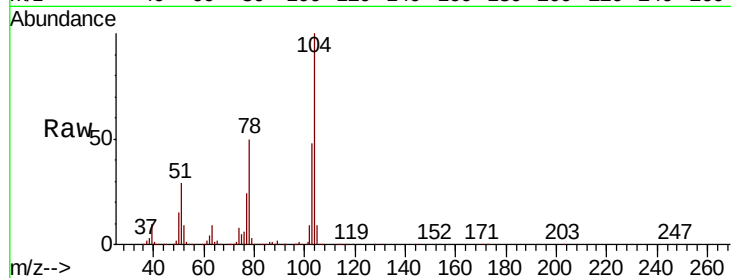
Tot Ion:104 Resp: 2493548

Ion Ratio Lower Upper

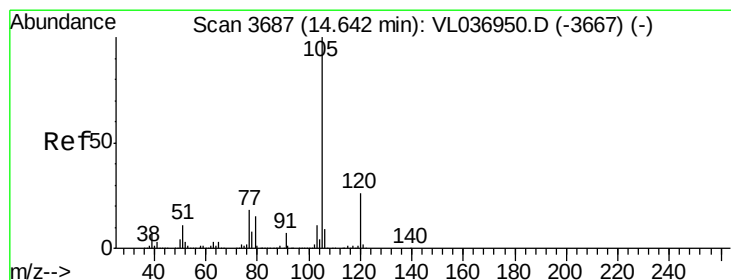
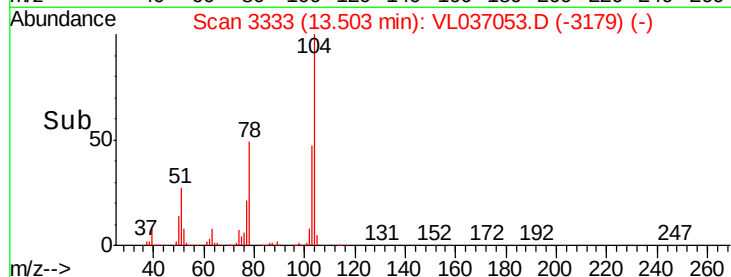
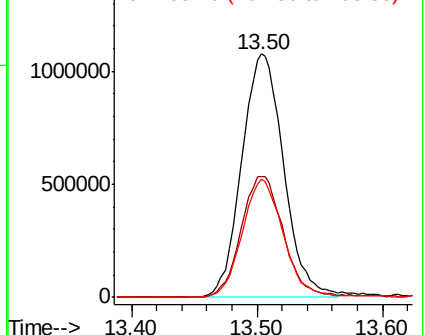
104 100

78 50.9 39.0 58.6

103 48.0 38.0 57.0



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: 8.460 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037053.D

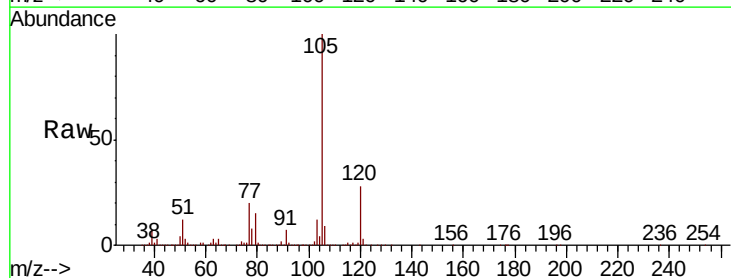
Acq: 24 May 2021 18:03

Tgt Ion:105 Resp: 5927252

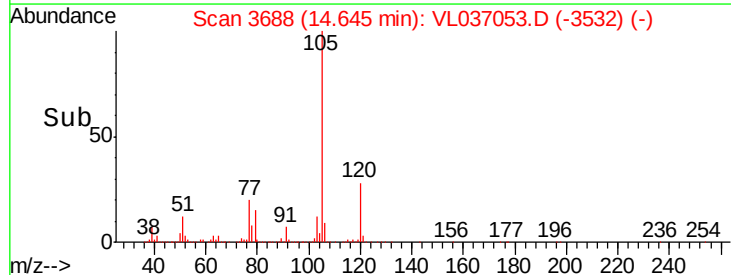
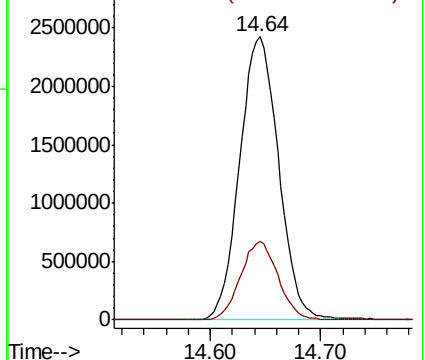
Ion Ratio Lower Upper

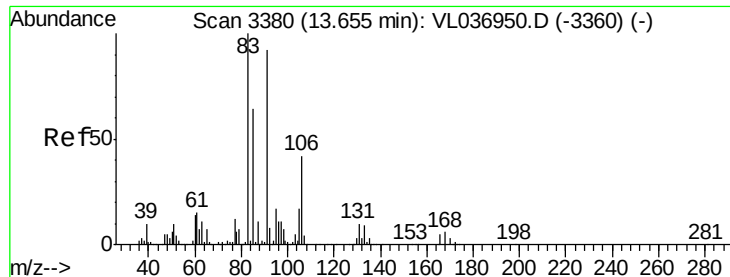
105 100

120 27.1 21.7 32.5



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: 7.933 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

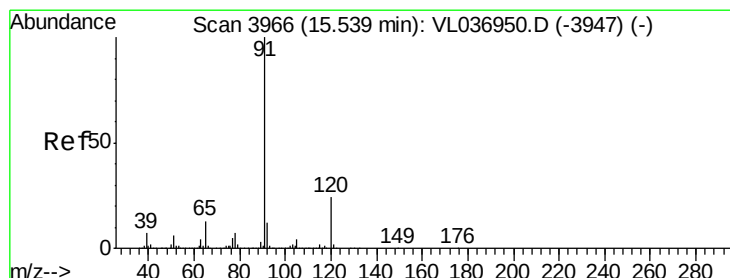
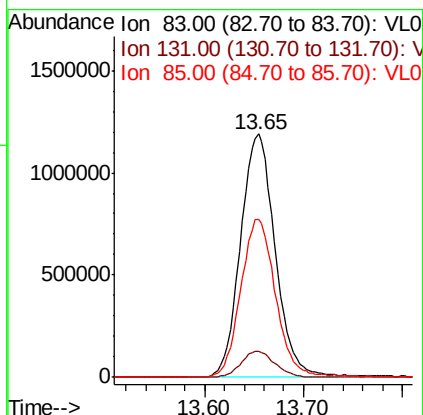
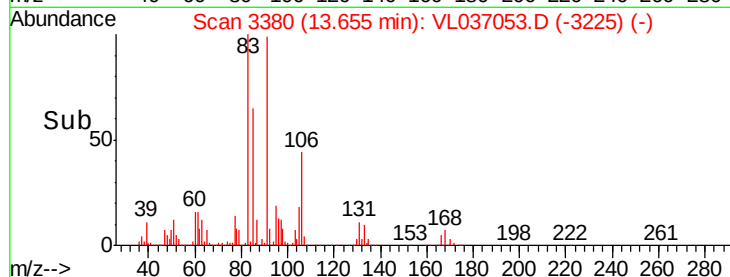
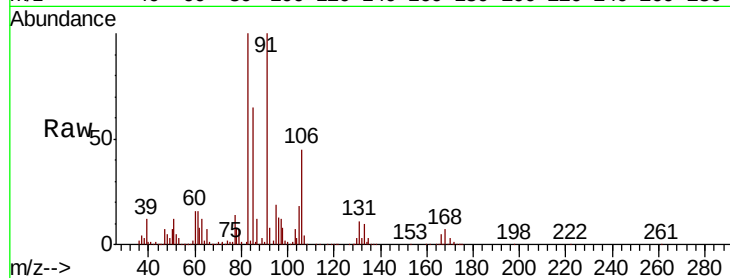
Tot Ion: 83 Resp: 2888054

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

85 66.1 32.9 98.6



#64

n-propylbenzene

Concen: 8.914 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037053.D

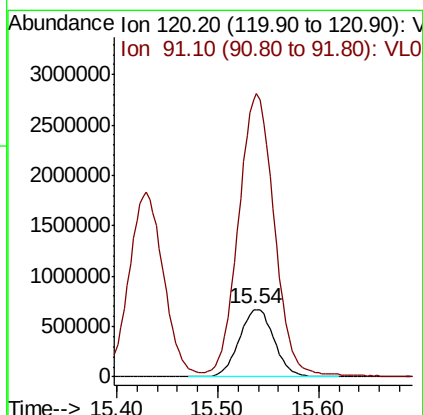
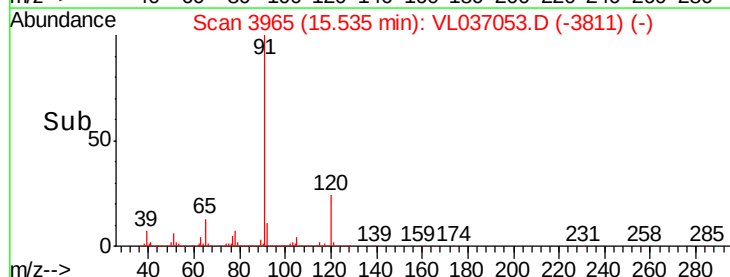
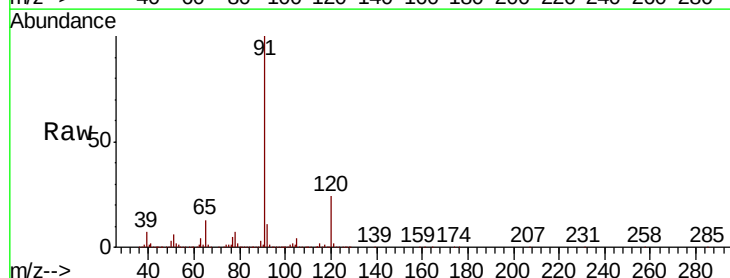
Acq: 24 May 2021 18:03

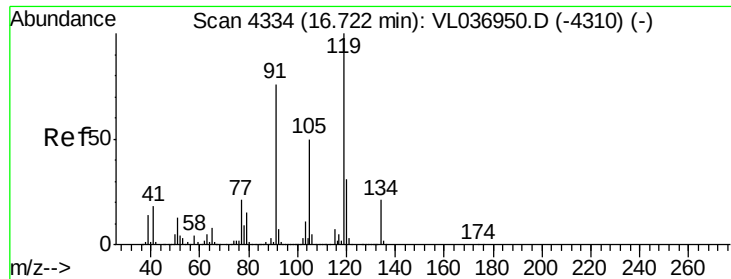
Tgt Ion: 120 Resp: 1611353

Ion Ratio Lower Upper

120 100

91 431.5 343.8 515.6

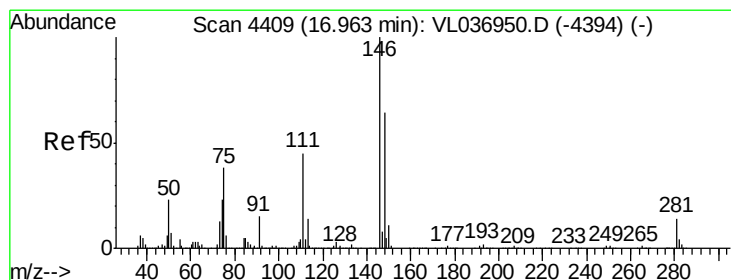
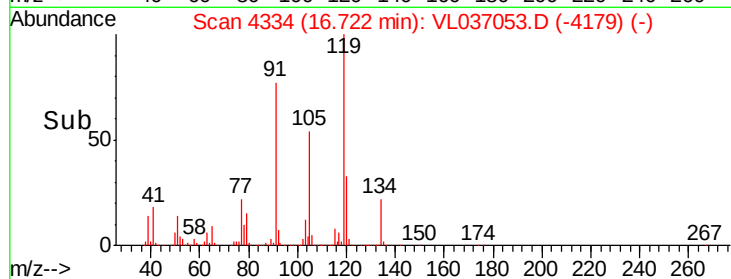
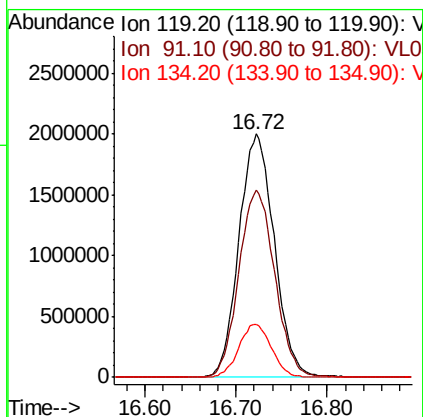
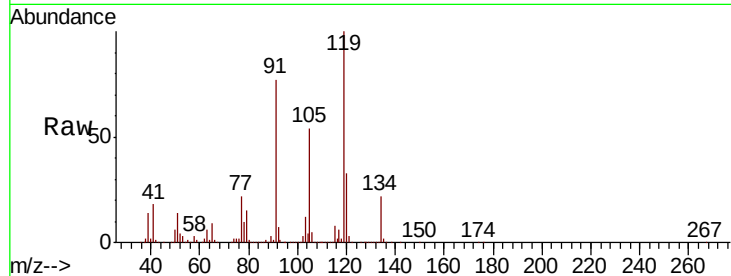




#65
 tert-Butylbenzene
 Concen: 8.531 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

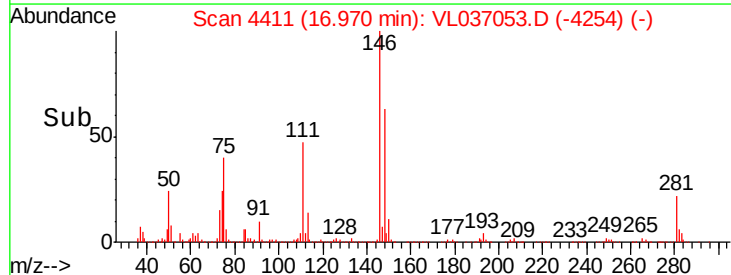
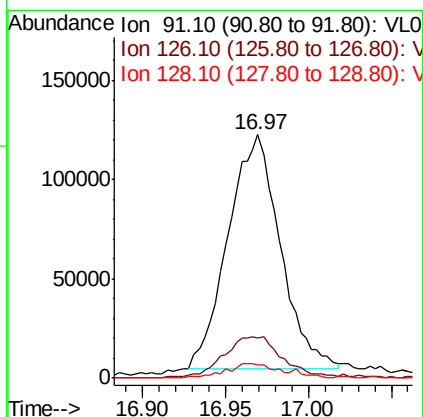
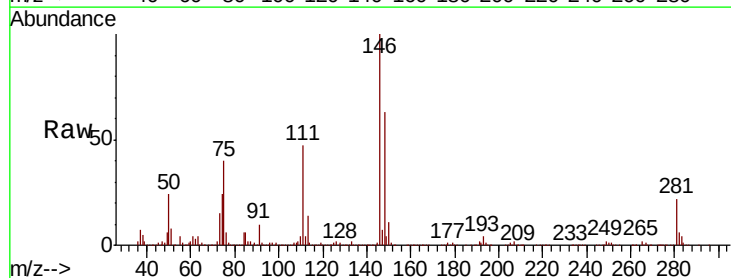
Instrument :
 MSVOA_L
 ClientSampled :

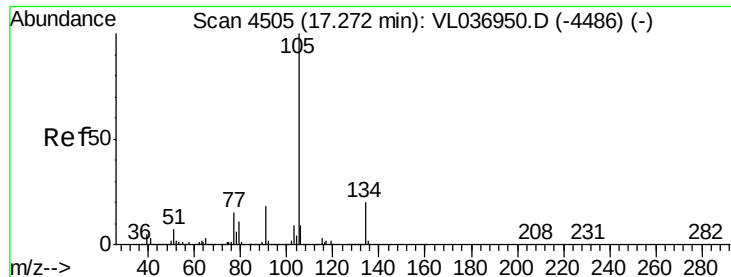
Tot Ion:119 Resp: 5392922
 Ion Ratio Lower Upper
 119 100
 91 78.6 61.9 92.9
 134 20.4 16.2 24.4



#66
 Benzyl Chloride
 Concen: 7.354 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 257958
 Ion Ratio Lower Upper
 91 100
 126 21.1 16.5 24.7
 128 7.4 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.378 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

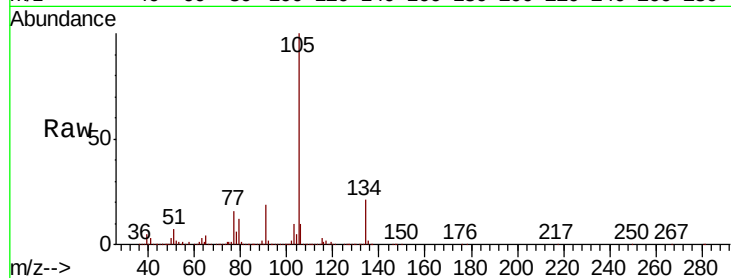
ClientSampleId :

Tot Ion:105 Resp: 7225043

Ion Ratio Lower Upper

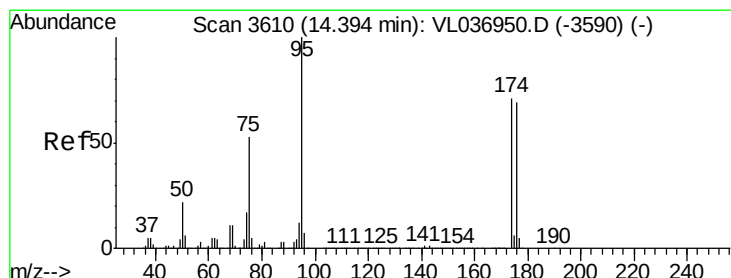
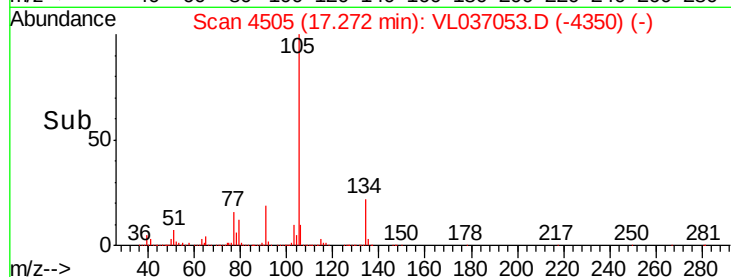
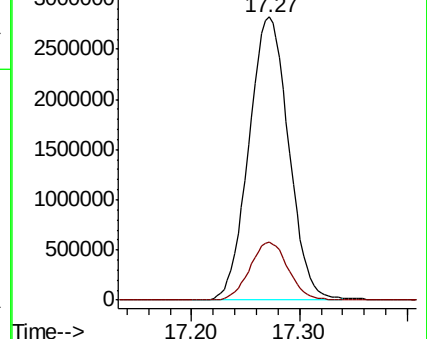
105 100

134 20.0 15.6 23.4



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: 7.891 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

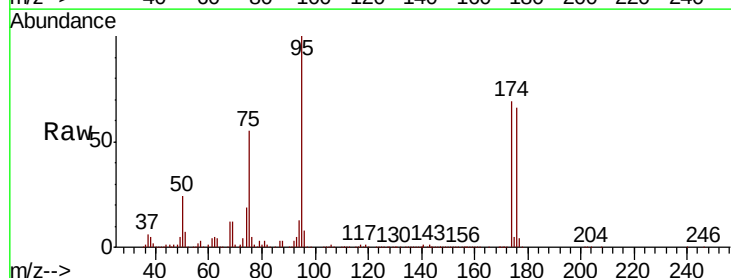
Tgt Ion: 95 Resp: 2597132

Ion Ratio Lower Upper

95 100

174 71.3 58.4 87.6

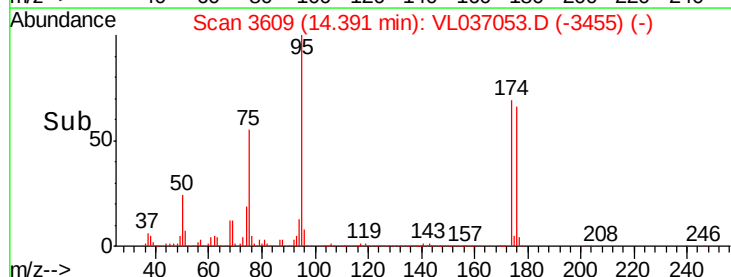
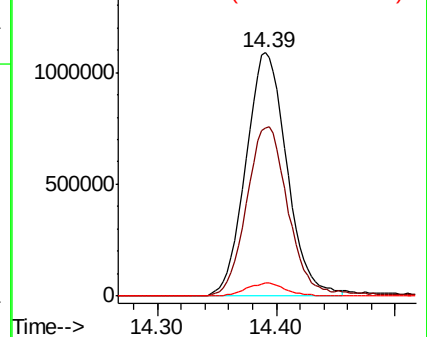
175 5.3 4.4 6.6

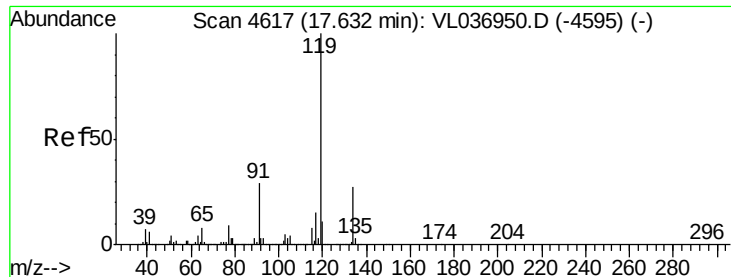


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

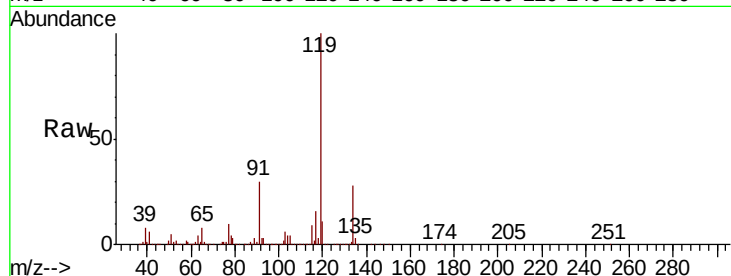




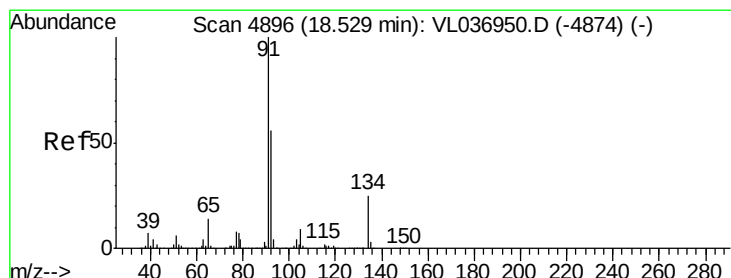
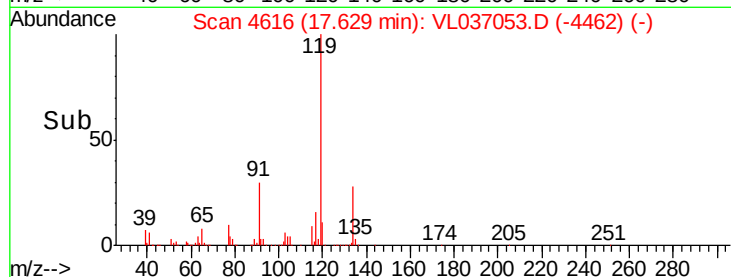
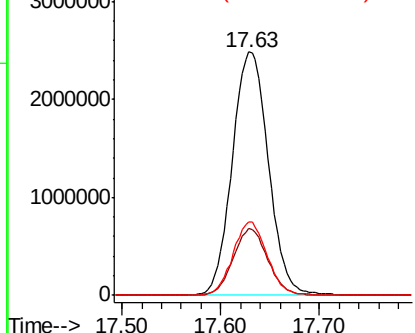
#69
 p-Isopropyltoluene
 Concen: 8.542 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6333771
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.2 31.8
 91 28.7 22.2 33.4

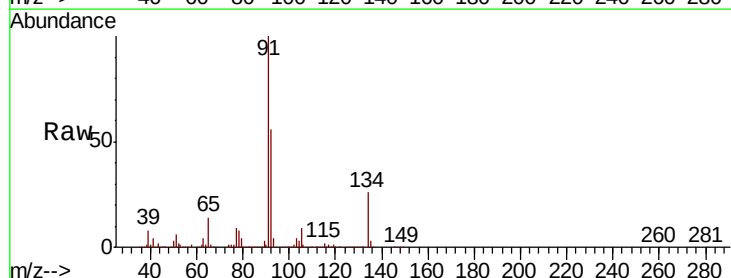


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

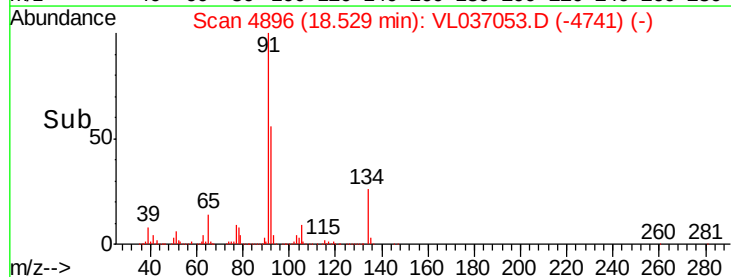
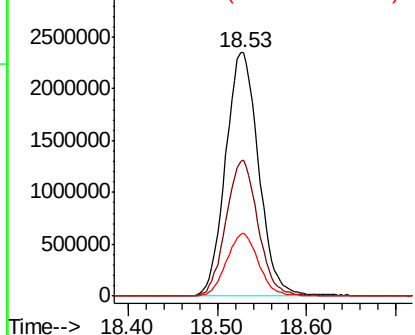


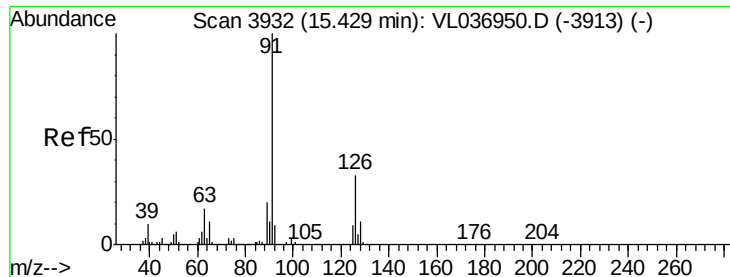
#70
 n-Butylbenzene
 Concen: 8.551 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion: 91 Resp: 6023499
 Ion Ratio Lower Upper
 91 100
 92 54.4 44.6 66.8
 134 25.1 20.2 30.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

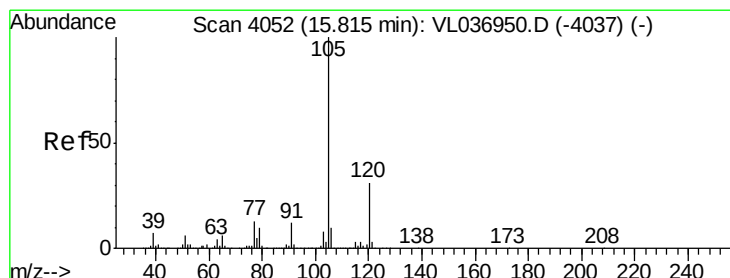
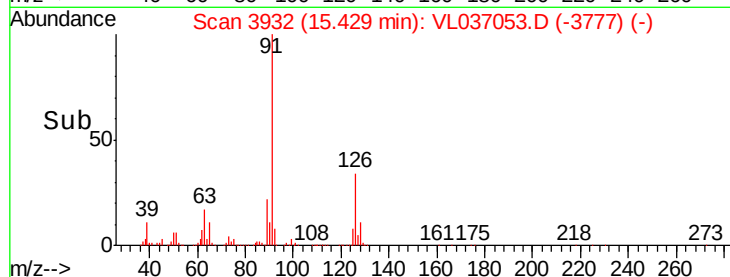
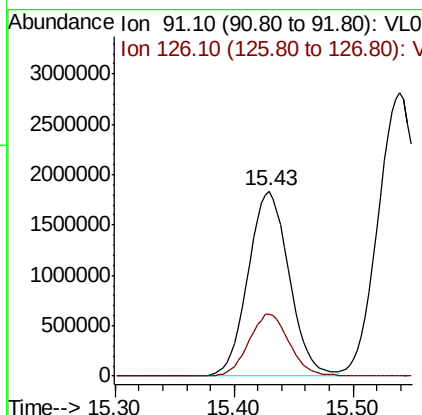
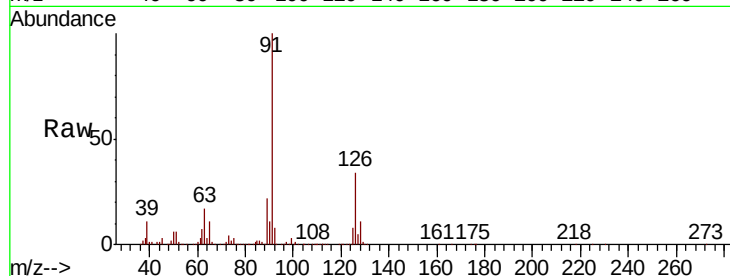




#71
 2-Chlorotoluene
 Concen: 8.667 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

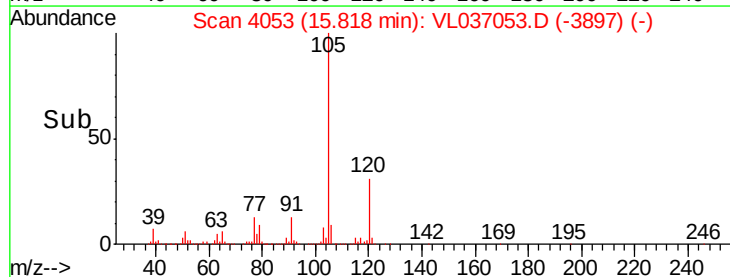
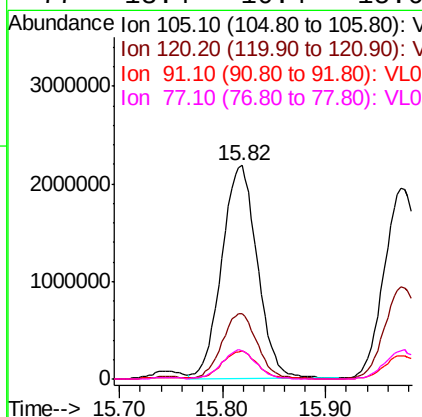
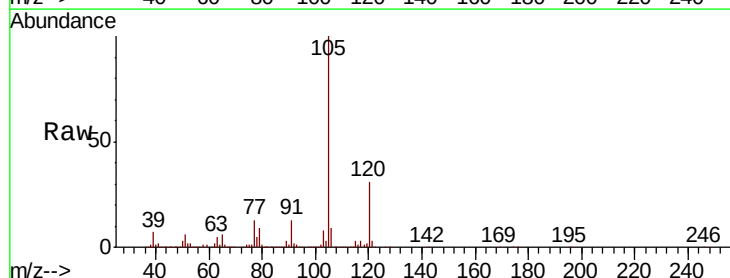
Instrument :
 MSVOA_L
 ClientSampleId :

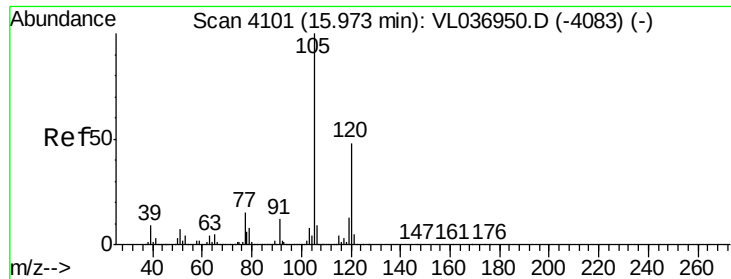
Tot Ion: 91 Resp: 4385340
 Ion Ratio Lower Upper
 91 100
 126 33.7 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 9.025 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Tgt Ion:105 Resp: 5221726
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.6 37.0
 91 12.9 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.684 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

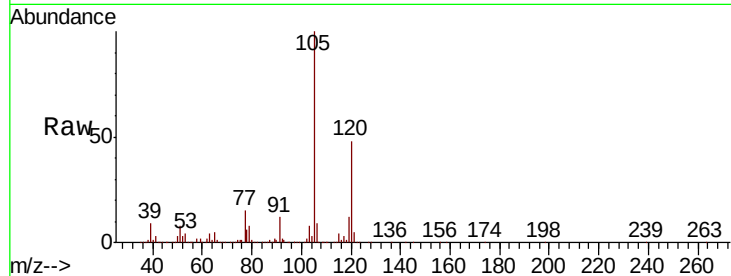
ClientSampleId :

Tot Ion:105 Resp: 4717950

Ion Ratio Lower Upper

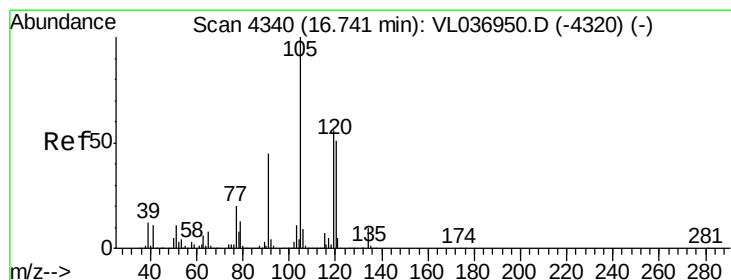
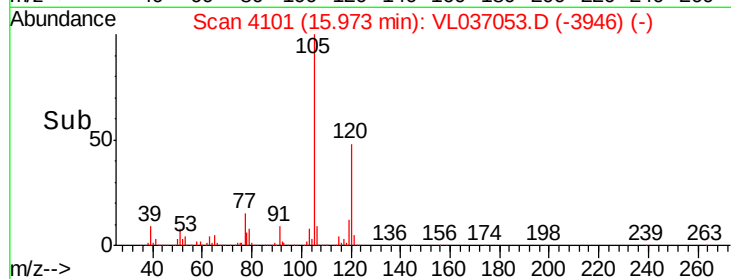
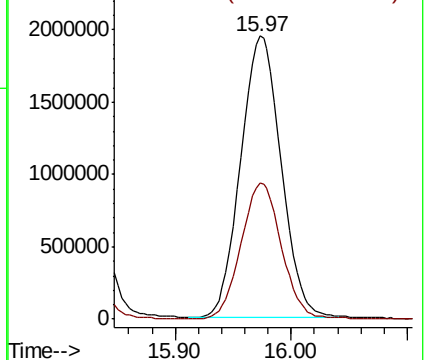
105 100

120 48.1 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: 8.771 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Tgt Ion:105 Resp: 4927497

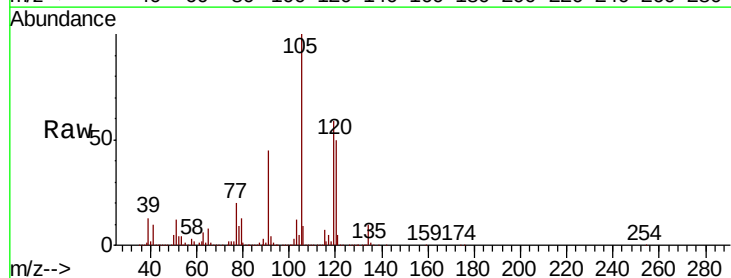
Ion Ratio Lower Upper

105 100

120 50.3 40.6 61.0

91 44.5 37.4 56.0

77 20.0 16.2 24.4

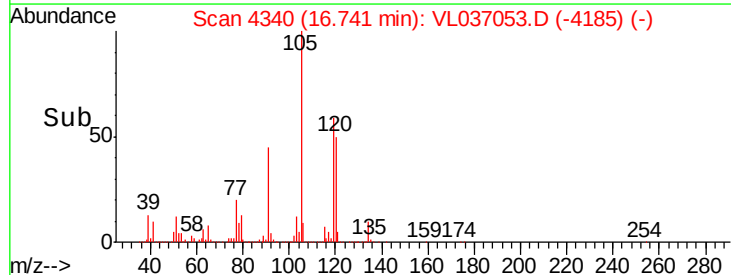
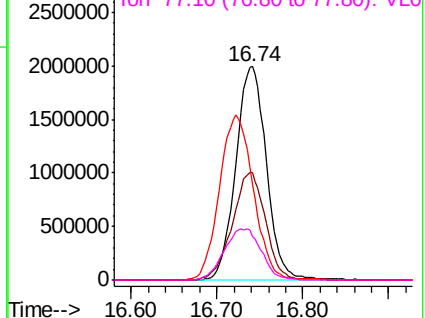


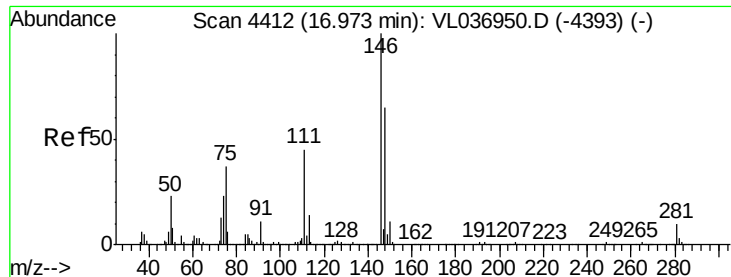
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.913 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

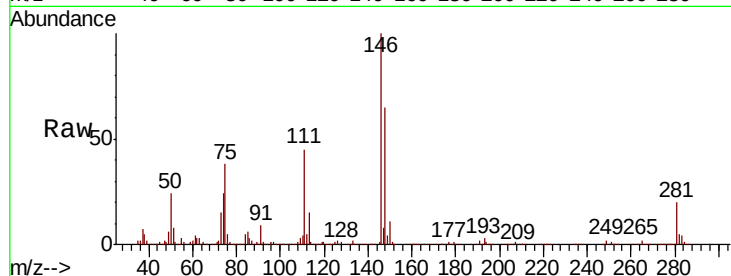
Tot Ion:146 Resp: 3057513

Ion Ratio Lower Upper

146 100

111 45.2 22.2 66.6

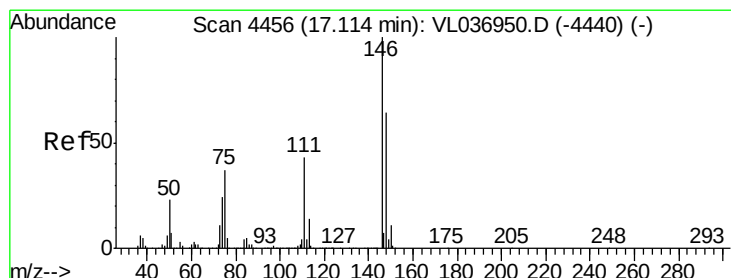
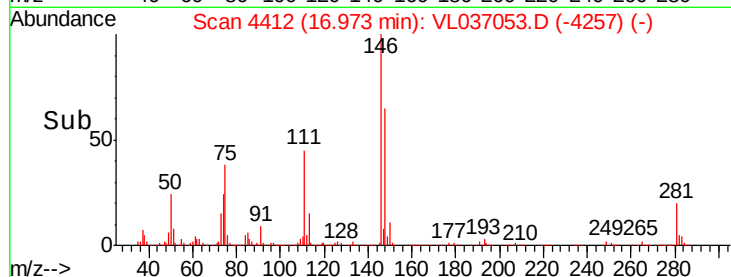
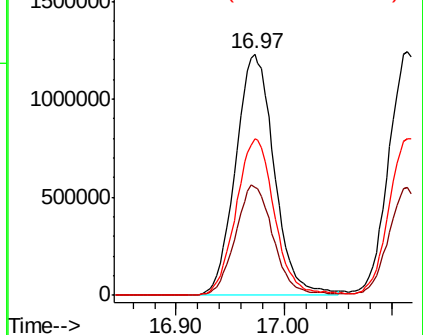
148 64.7 32.3 96.8



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: 8.530 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

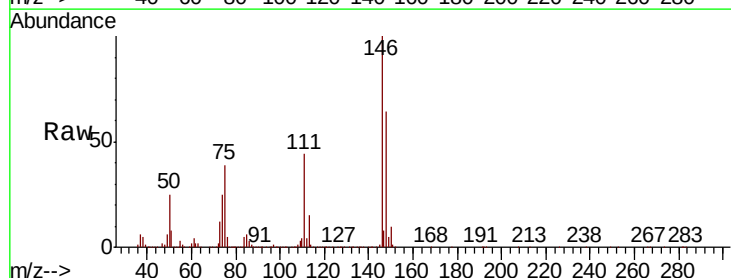
Tgt Ion:146 Resp: 2958502

Ion Ratio Lower Upper

146 100

111 45.3 22.6 67.7

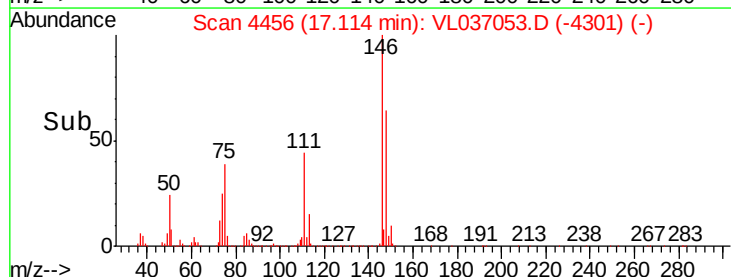
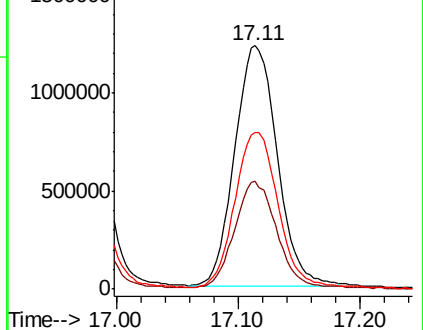
148 67.3 33.5 100.5

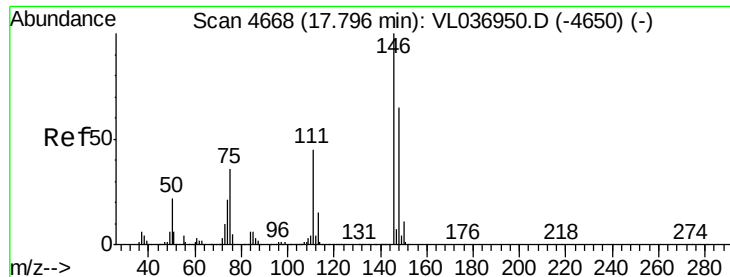


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.651 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

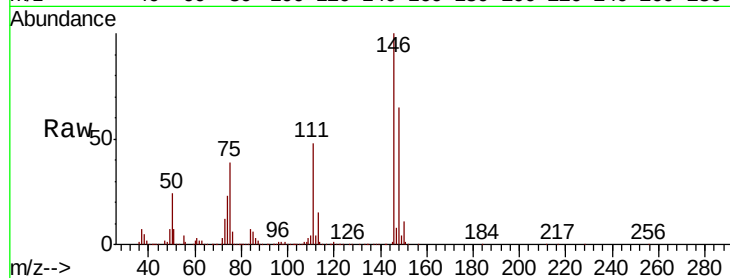
Tot Ion:146 Resp: 2973748

Ion Ratio Lower Upper

146 100

111 46.4 23.1 69.2

148 64.8 32.5 97.4

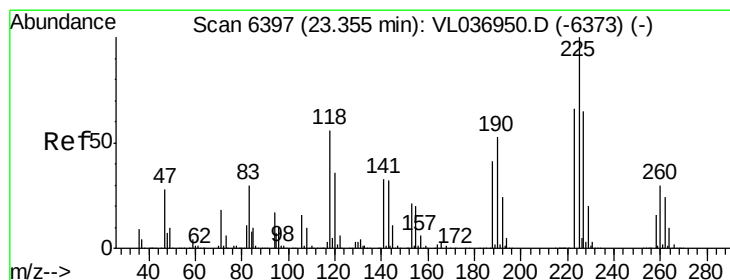
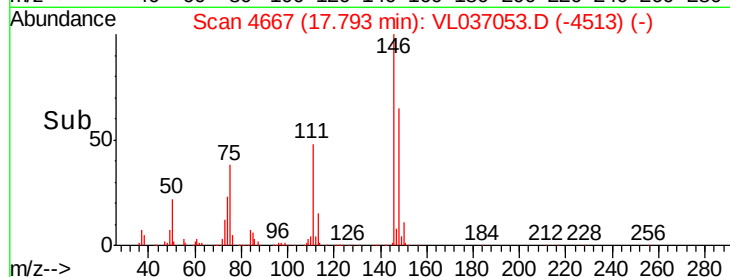
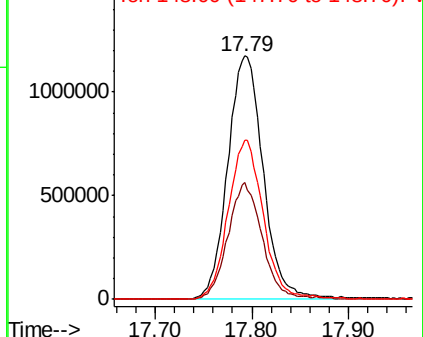


Abundance

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: 7.600 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

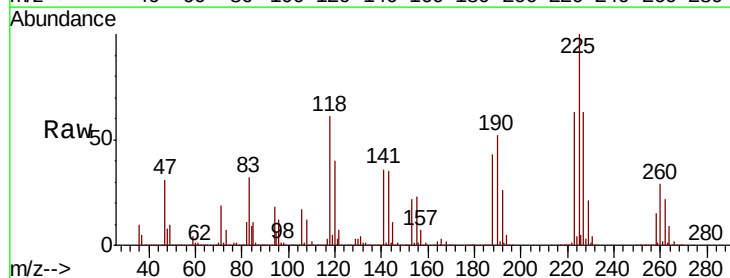
Tgt Ion:225 Resp: 2100512

Ion Ratio Lower Upper

225 100

223 64.1 51.9 77.9

227 63.5 51.8 77.6

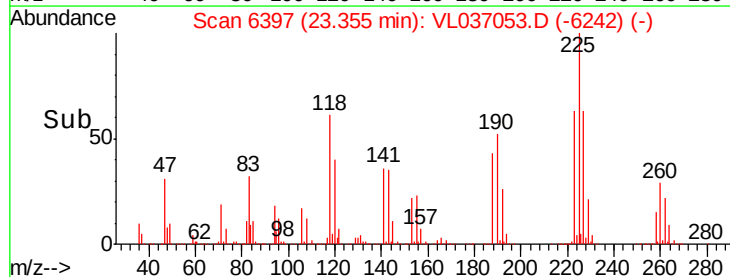
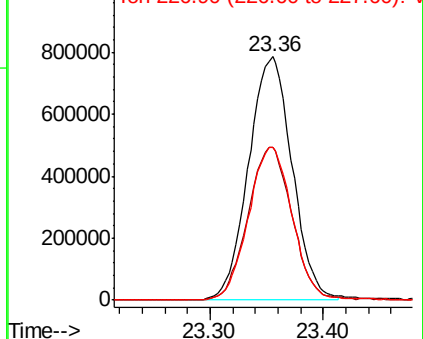


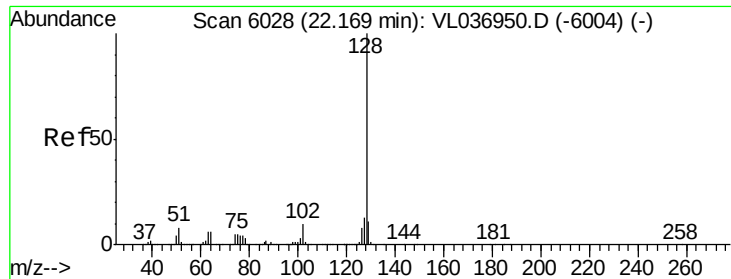
Abundance

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: 9.713 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.00 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

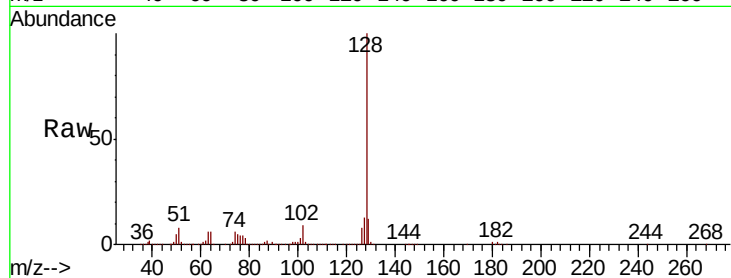
Tot Ion:128 Resp: 4281519

Ion Ratio Lower Upper

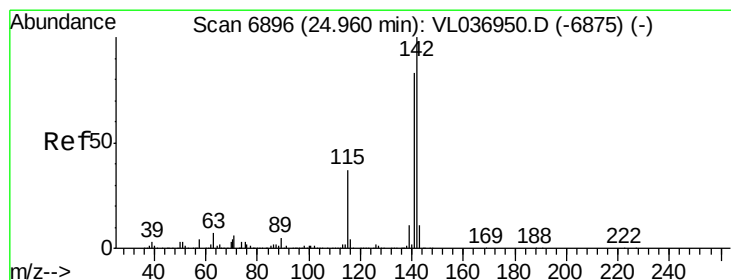
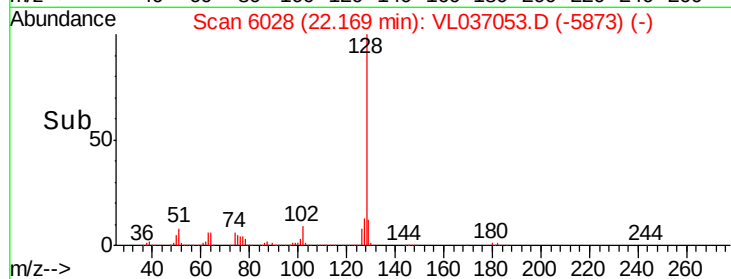
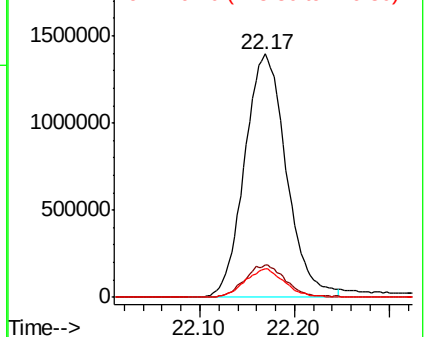
128 100

127 13.3 10.4 15.6

129 11.7 9.0 13.6



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



#80

Naphthalene, 2-methyl-

Concen: 13.390 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037053.D

Acq: 24 May 2021 18:03

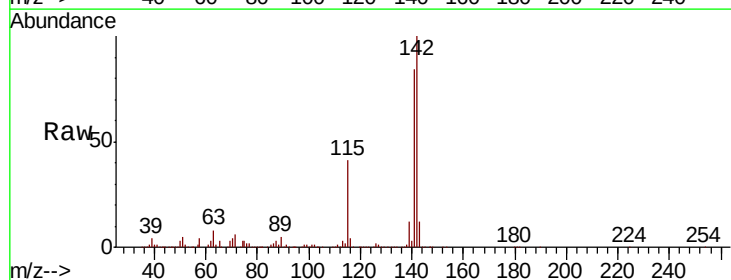
Tgt Ion:142 Resp: 1283427

Ion Ratio Lower Upper

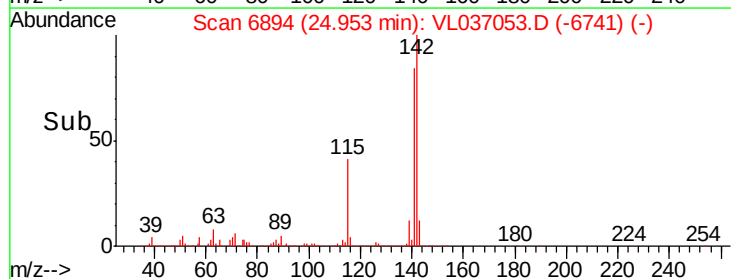
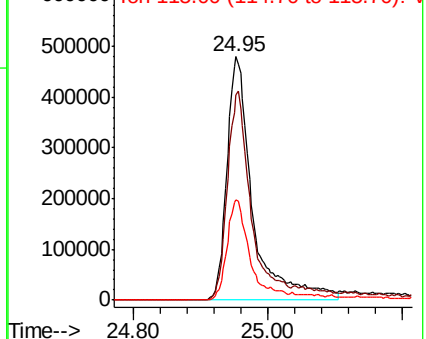
142 100

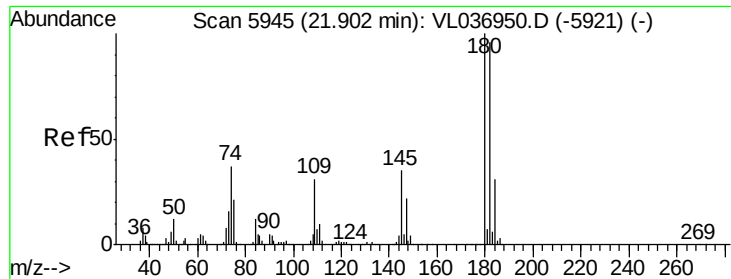
141 84.4 69.3 103.9

115 40.3 29.1 43.7



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

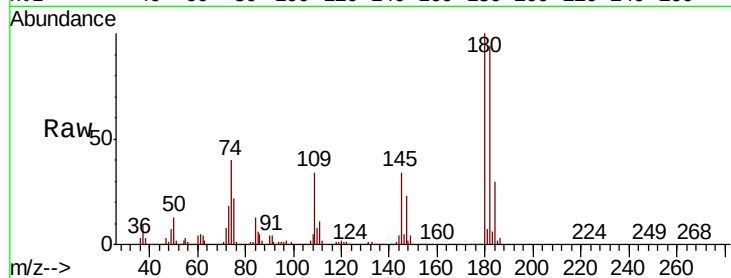




#81
 1,2,4-Trichlorobenzene
 Concen: 9.061 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037053.D
 Acq: 24 May 2021 18:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2434770
 Ion Ratio Lower Upper
 180 100
 182 99.0 81.7 122.5
 184 30.8 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

