

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037670.D
 Acq On : 23 Sep 2021 19:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:37:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1695517	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5003381	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	5564321	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3297408	8.20	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2362466	7.700 ppbv	98
3) Chlorodifluoromethane	3.00	51	2826295	8.837 ppbv	99
4) Chloromethane	3.15	50	1068911	9.046 ppbv	95
5) Vinyl Chloride	3.27	62	1096427	9.879 ppbv	99
6) Bromomethane	3.48	94	538723	8.351 ppbv	94
7) Chloroethane	3.56	64	374212	9.022 ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2442774	9.229 ppbv	99
9) Propene	3.02	41	1077877	9.555 ppbv	96
10) Heptane	8.13	43	2604877	9.896 ppbv	99
11) Trichlorofluoromethane	3.96	101	2184007	8.867 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1700650	9.354 ppbv	98
13) Ethanol	3.62	45	44906	4.070 ppbv #	33
14) Bromoethene	3.75	108	739077	8.930 ppbv	99
15) Acetone	3.86	43	1235504	7.013 ppbv	97
16) 1,3-Butadiene	3.34	39	1032540	9.380 ppbv	100
17) tert-Butyl alcohol	4.29	59	1489140	9.969 ppbv	99
18) 1,1-Dichloroethene	4.29	96	760171	8.975 ppbv	95
19) Isopropyl Alcohol	3.97	45	842381	8.788 ppbv #	97
20) Methylene Chloride	4.35	84	662811	7.881 ppbv	98
21) Allyl Chloride	4.42	41	1265869	9.619 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	785583	9.218 ppbv	91
23) Vinyl Acetate	5.08	43	2047568	8.400 ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1558557	8.925 ppbv	99
25) Ethyl Acetate	5.68	43	4047402	9.486 ppbv	99
26) Hexane	5.69	57	1932360	9.534 ppbv	100
27) Carbon Disulfide	4.56	76	1921358	10.363 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1595230	8.936 ppbv	99
29) Chloroform	5.76	83	2661801	8.994 ppbv	99
30) Cyclohexane	7.14	84	1608152	9.278 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1774022	9.642 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2518568	9.141 ppbv	99
34) 2-Butanone	5.25	43	1751633	8.615 ppbv	100
35) Carbon Tetrachloride	7.02	117	2633520	9.305 ppbv	97
36) Benzene	6.90	78	3927027	9.412 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1870725	9.117 ppbv	99
38) Trichloroethene	7.84	130	1549094	8.888 ppbv	99
39) 1,2-Dichloropropane	7.62	63	1495400	9.358 ppbv	99
40) 1,4-Dioxane	7.84	88	362235	9.319 ppbv	78
41) Tetrahydrofuran	6.06	42	976128	10.212 ppbv	98
42) Bromodichloromethane	7.80	83	2817887	9.581 ppbv	95
43) Methyl Methacrylate	8.02	69	1417898	10.215 ppbv	100

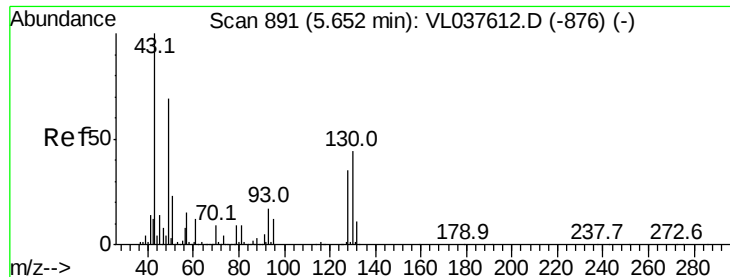
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6553981	9.344	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1026634	9.417	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1397531	9.490	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1561114	8.831	ppbv	97
48) Dibromochloromethane	10.31	129	2474926	10.036	ppbv	99
49) Bromoform	13.04	173	2019630	10.233	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2544349	9.859	ppbv	100
51) 2-Hexanone	10.14	43	1169306	10.269	ppbv #	97
52) Tetrachloroethene	11.23	164	1431836	8.939	ppbv	99
53) Toluene	9.81	91	4500559	9.705	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2205964	9.114	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1699962	7.365	ppbv #	50
57) Chlorobenzene	12.15	112	3229694	6.982	ppbv	100
58) Ethyl Benzene	12.72	91	5708022	7.728	ppbv	100
59) m/p-Xylene	13.00	91	4784358	7.433	ppbv #	28
60) o-Xylene	13.70	91	4517829	7.374	ppbv	99
61) Styrene	13.53	104	2525252	8.359	ppbv	99
62) Isopropylbenzene	14.67	105	6288180	7.347	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3285267	6.852	ppbv	99
64) n-propylbenzene	15.56	120	1706419	7.726	ppbv	93
65) tert-Butylbenzene	16.74	119	5510473	7.141	ppbv	100
66) Benzyl Chloride	16.99	91	140664	3.336	ppbv #	66
67) sec-Butylbenzene	17.29	105	7652384	7.309	ppbv	99
69) p-Isopropyltoluene	17.65	119	6383642	7.463	ppbv	100
70) n-Butylbenzene	18.55	91	6156542	7.607	ppbv	100
71) 2-Chlorotoluene	15.45	91	4603589	7.506	ppbv	98
72) 4-Ethyltoluene	15.84	105	5392110	7.667	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4901813	7.478	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4975171	7.206	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	3063990	7.142	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2891156	6.833	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2916353	7.168	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2149995	6.278	ppbv	99
79) Naphthalene	22.19	128	3616149	8.530	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	945484	9.757	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2141313	7.867	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL037670.D

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Instrument :
MSVOA_L
ClientSampleId :

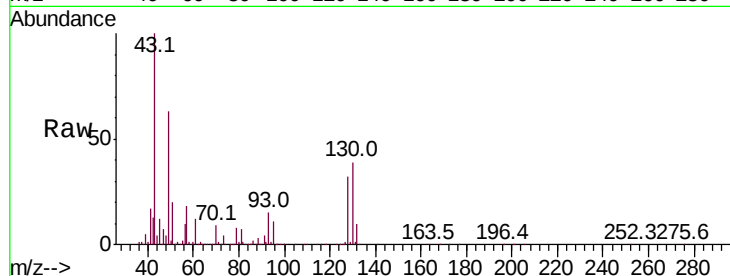
Tot Ion: 49 Resp: 1695517

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

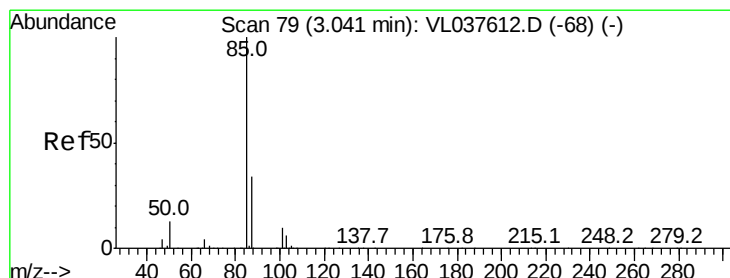
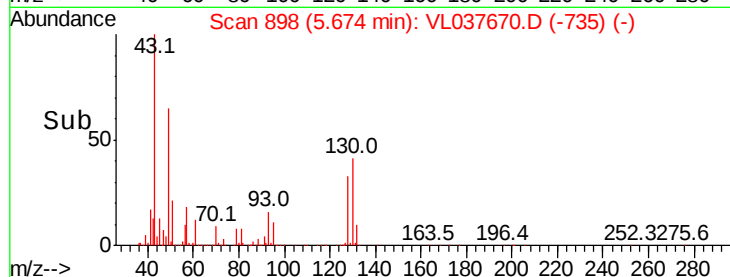
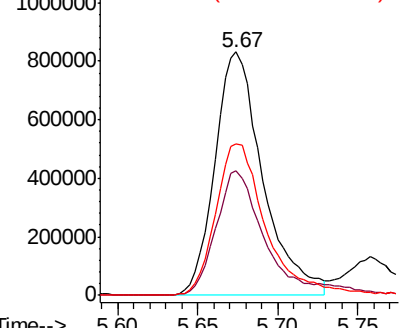
130 66.8 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.700 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL037670.D

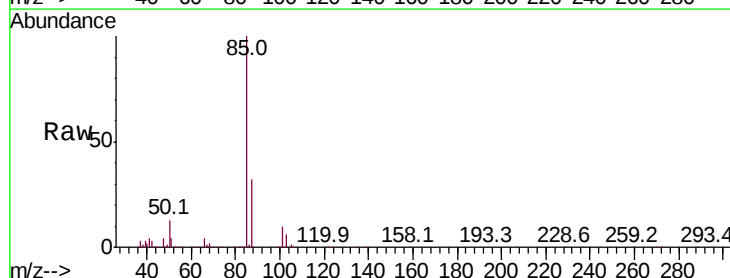
Acq: 23 Sep 2021 19:47

Tgt Ion: 85 Resp: 2362466

Ion Ratio Lower Upper

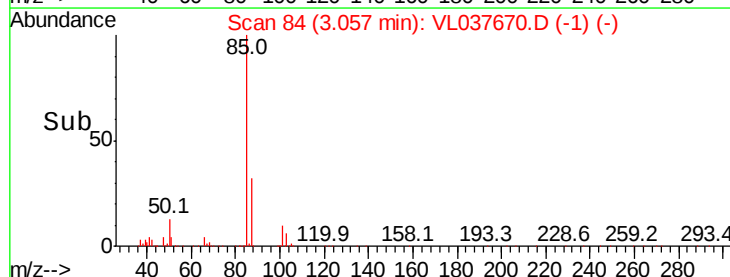
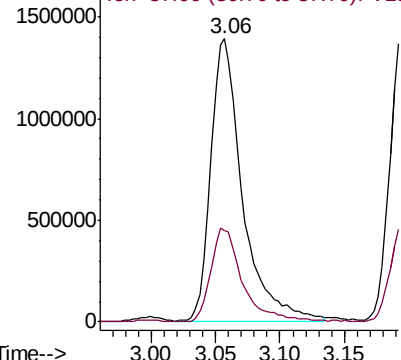
85 100

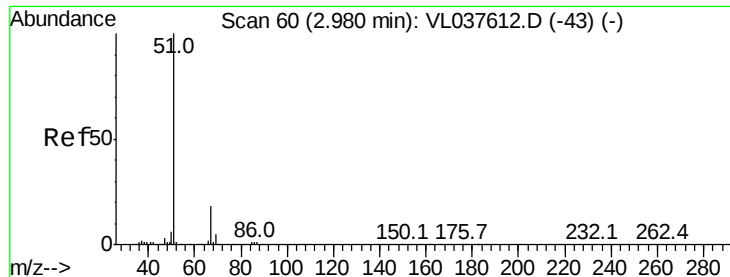
87 32.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.837 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

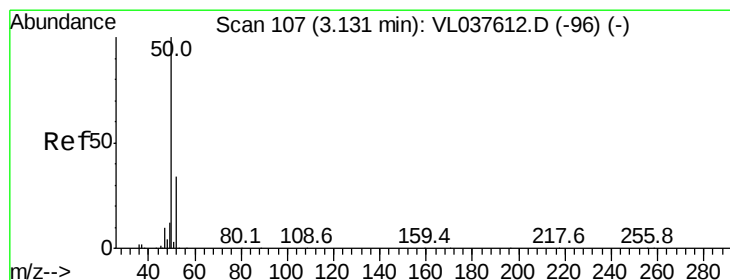
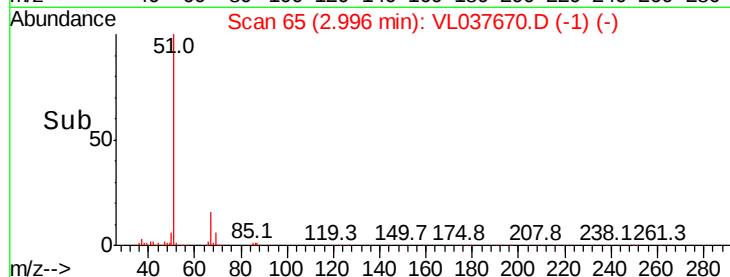
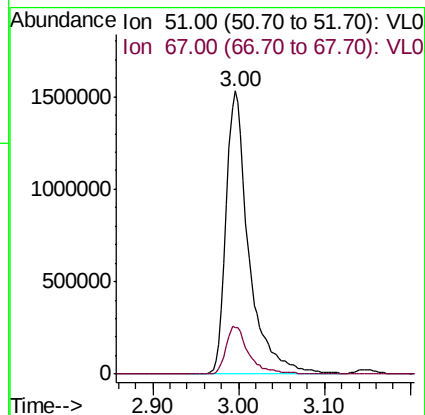
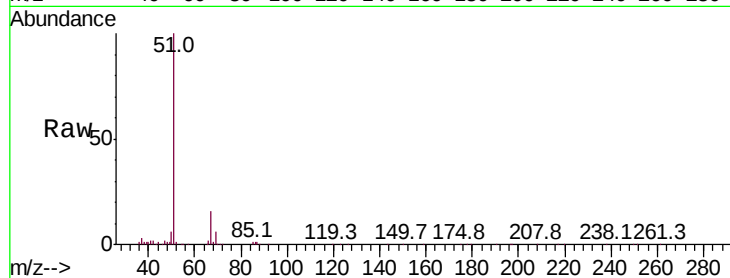
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2826295

Ion Ratio Lower Upper

51 100

67 17.1 14.0 21.0



#4

Chloromethane

Concen: 9.046 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037670.D

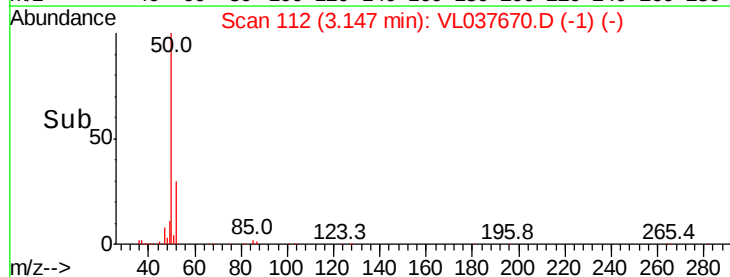
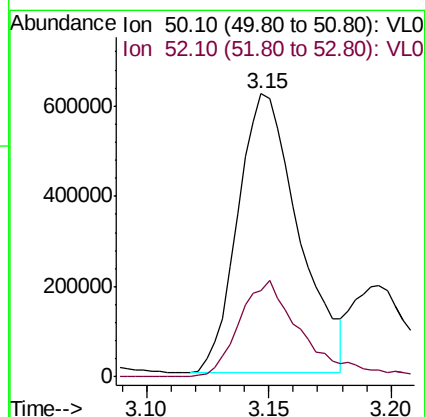
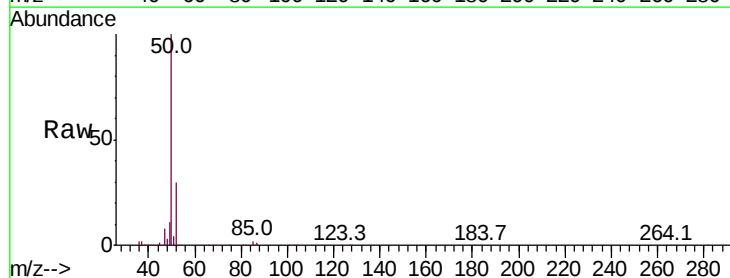
Acq: 23 Sep 2021 19:47

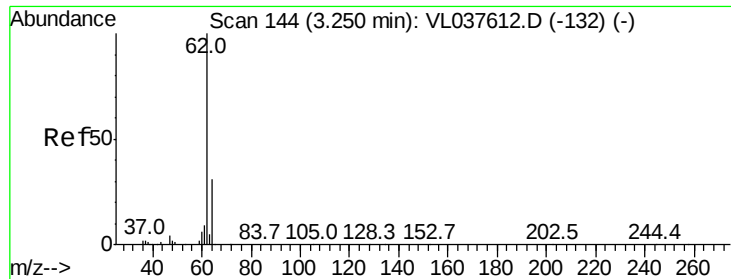
Tgt Ion: 50 Resp: 1068911

Ion Ratio Lower Upper

50 100

52 30.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.879 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

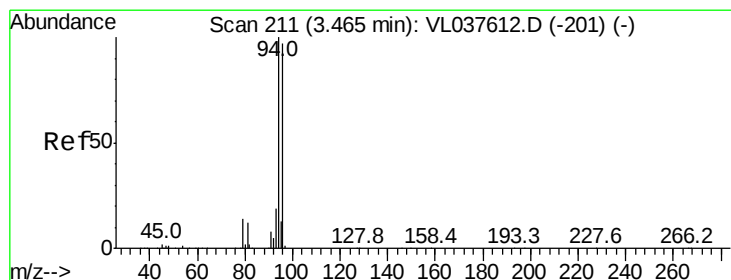
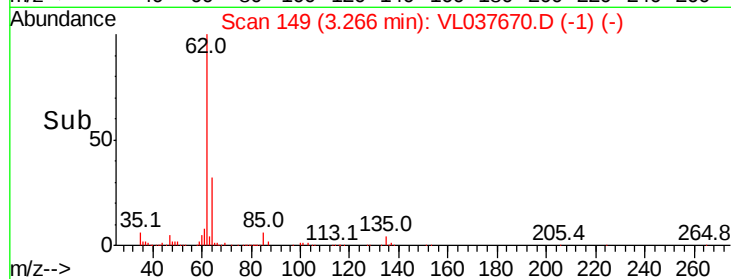
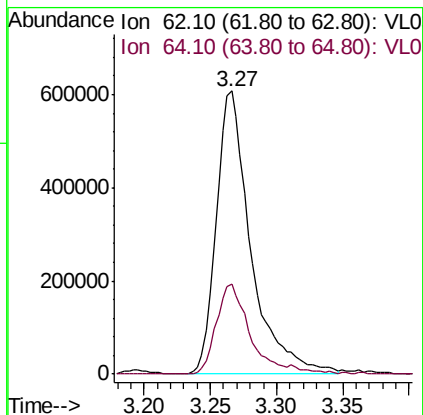
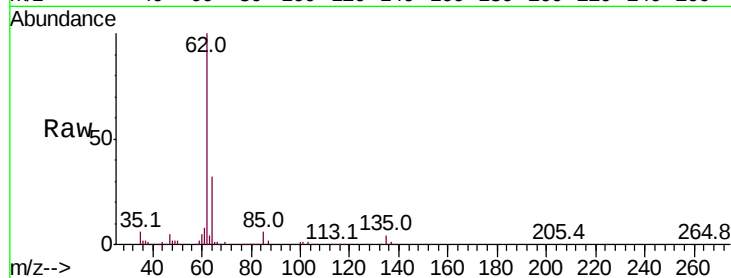
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 62 Resp: 1096427

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3



#6

Bromomethane

Concen: 8.351 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037670.D

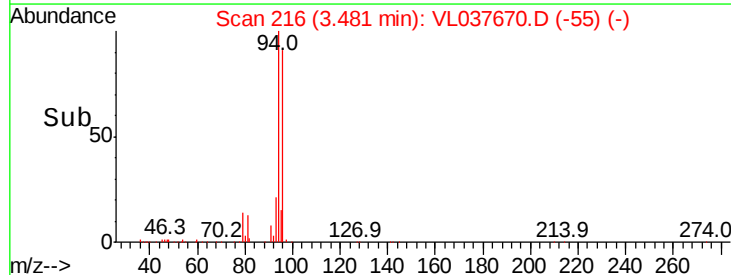
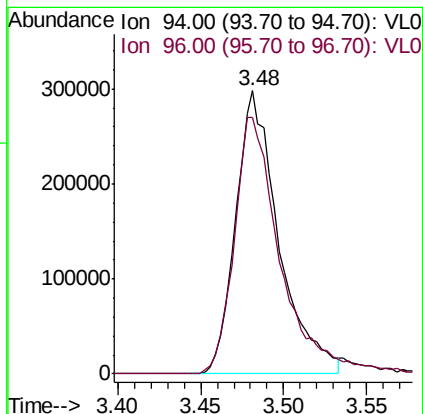
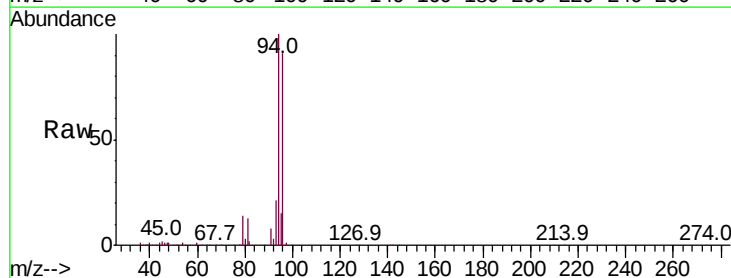
Acq: 23 Sep 2021 19:47

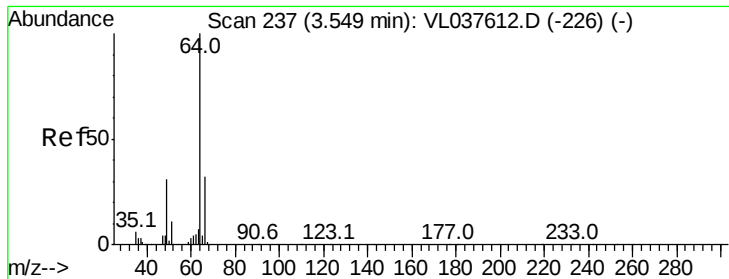
Tgt Ion: 94 Resp: 538723

Ion Ratio Lower Upper

94 100

96 90.8 77.3 115.9





#7

Chloroethane

Concen: 9.022 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

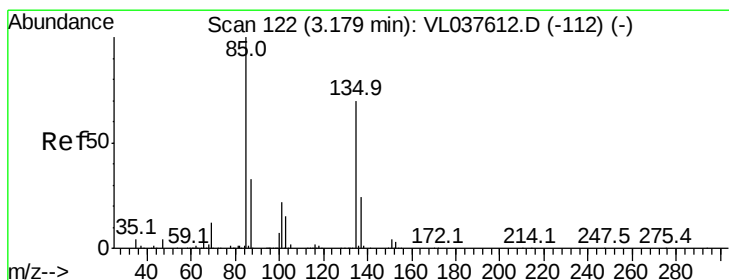
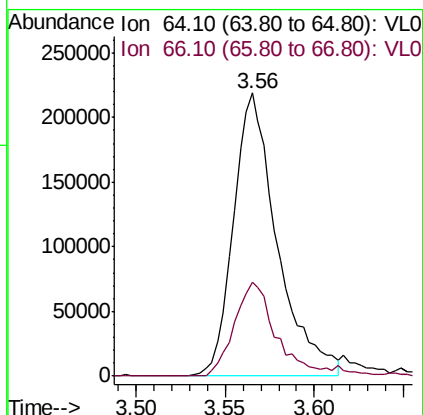
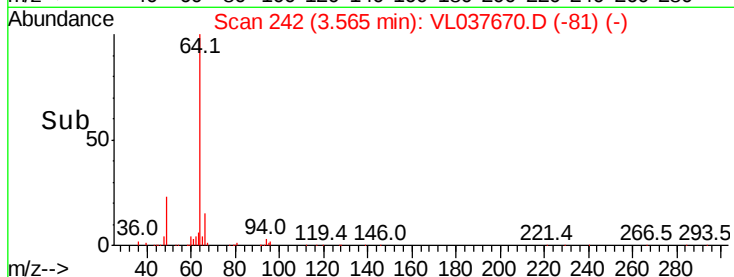
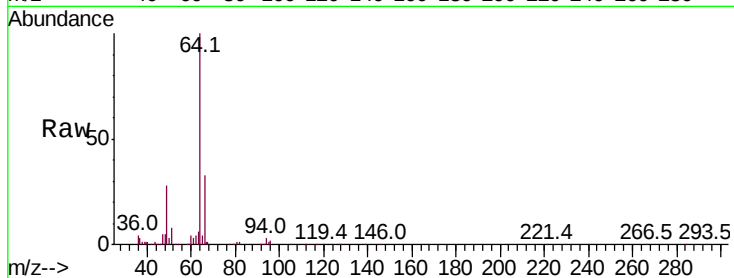
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 64 Resp: 374212

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.229 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL037670.D

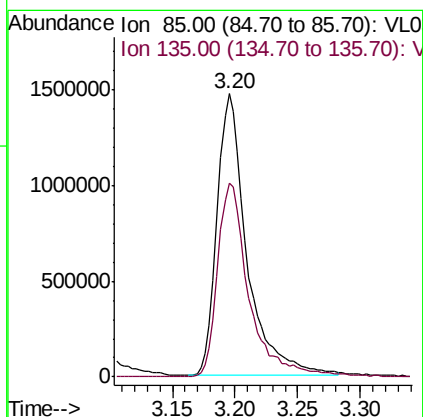
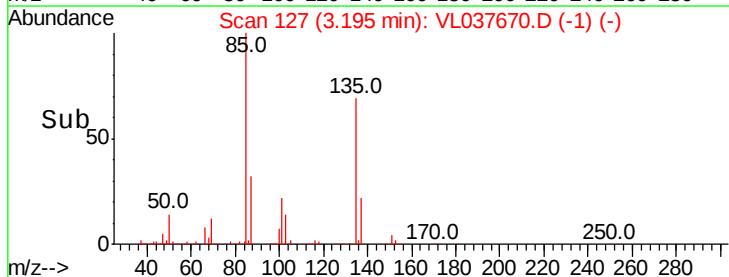
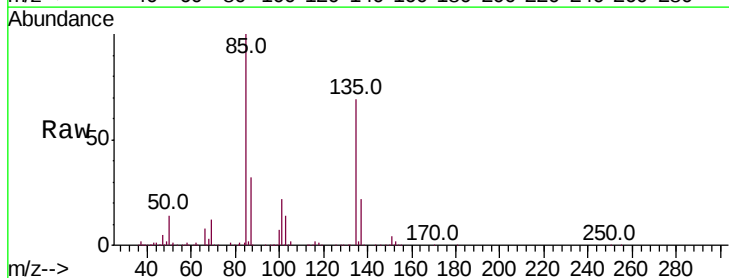
Acq: 23 Sep 2021 19:47

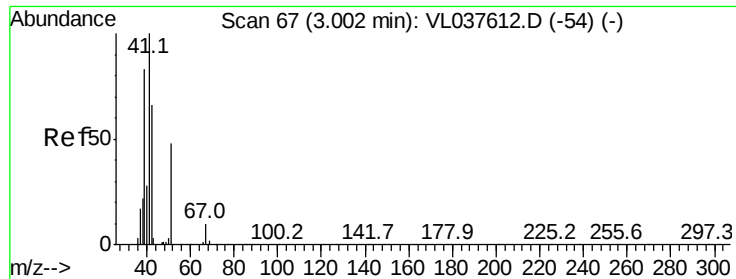
Tgt Ion: 85 Resp: 2442774

Ion Ratio Lower Upper

85 100

135 73.2 59.3 88.9





#9

Propene

Concen: 9.555 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

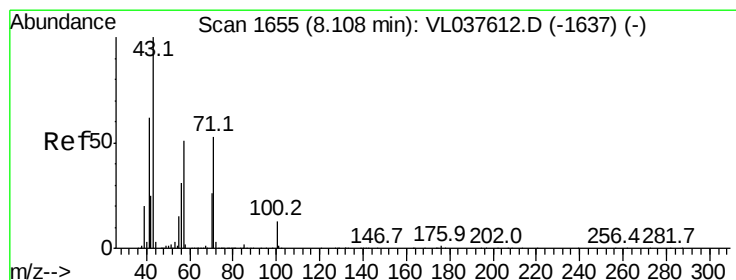
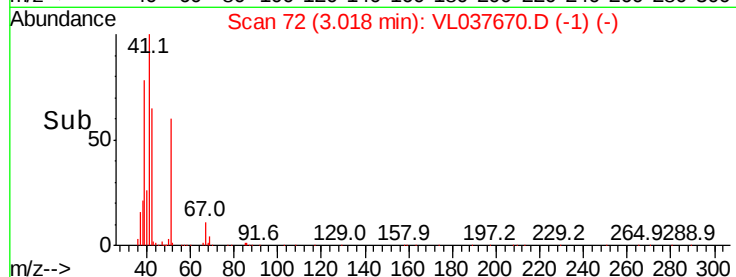
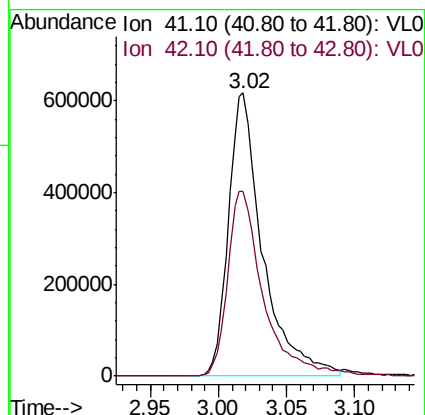
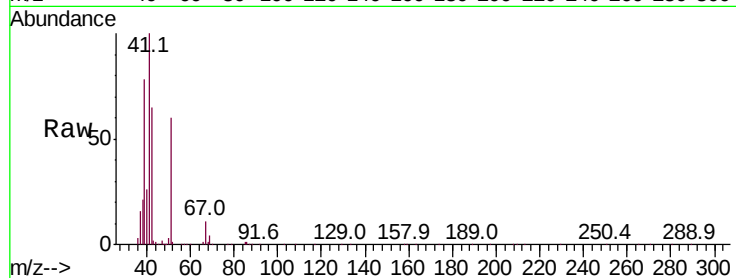
ClientSampleId :

Tot Ion: 41 Resp: 1077877

Ion Ratio Lower Upper

41 100

42 68.5 57.2 85.8



#10

Heptane

Concen: 9.896 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL037670.D

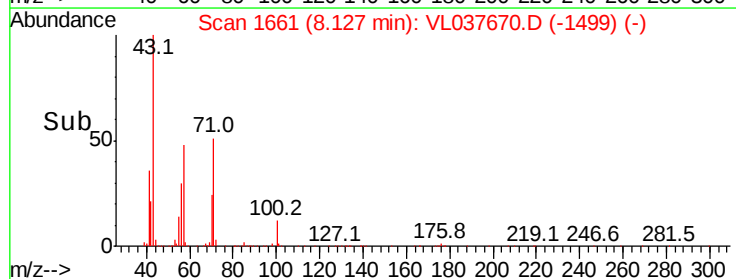
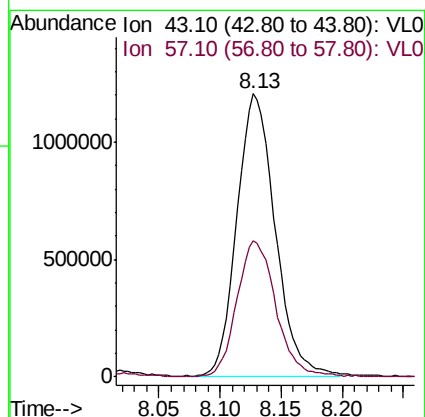
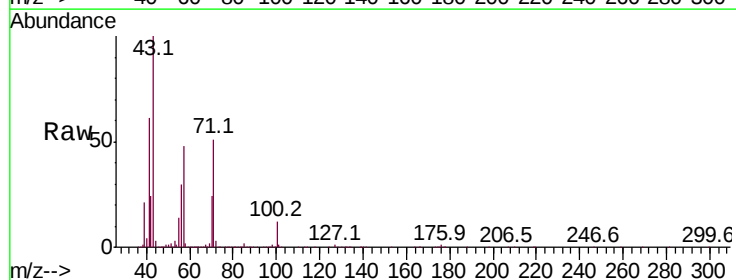
Acq: 23 Sep 2021 19:47

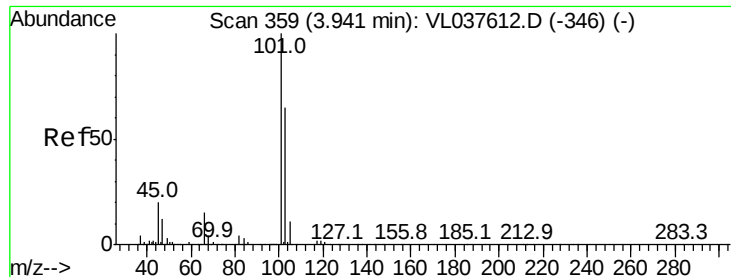
Tgt Ion: 43 Resp: 2604877

Ion Ratio Lower Upper

43 100

57 49.4 40.1 60.1

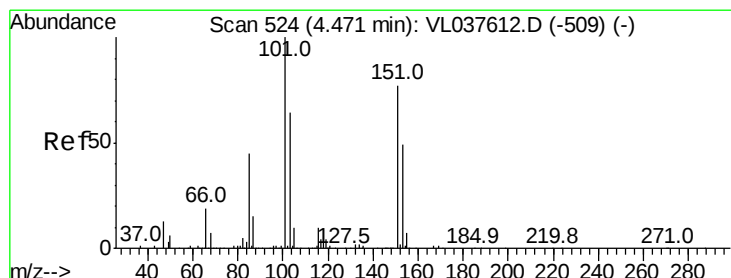
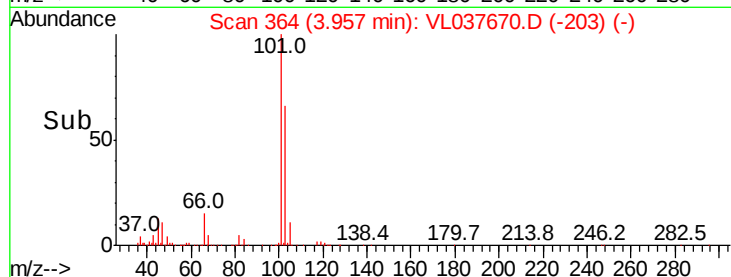
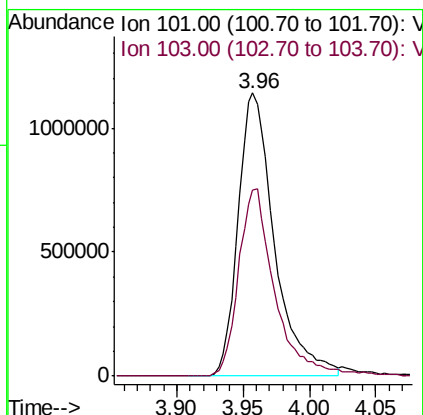
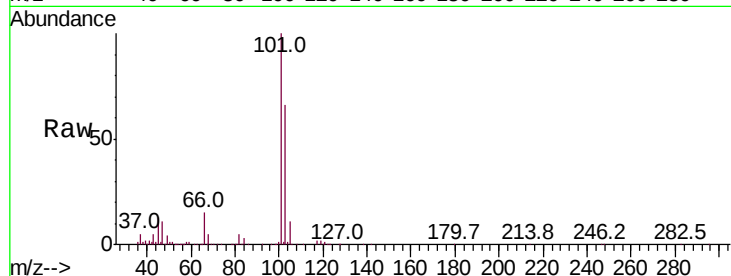




#11
 Trichlorofluoromethane
 Concen: 8.867 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

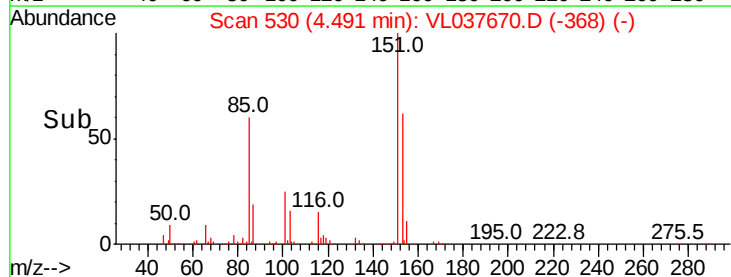
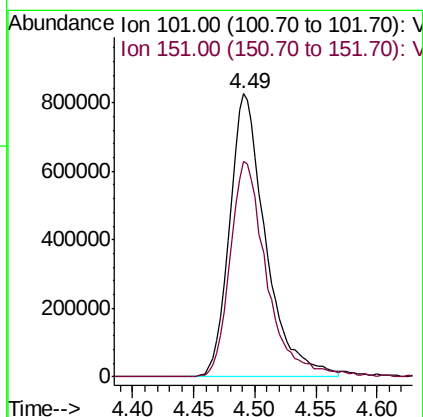
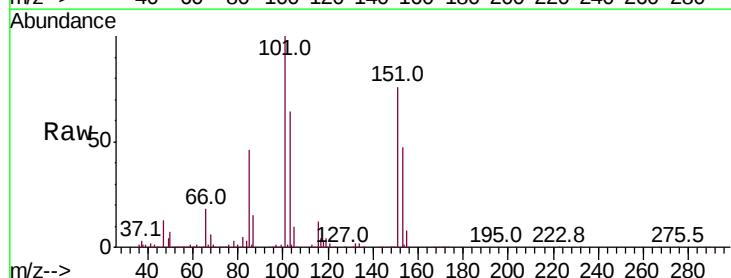
Instrument :
 MSVOA_L
 ClientSampled :

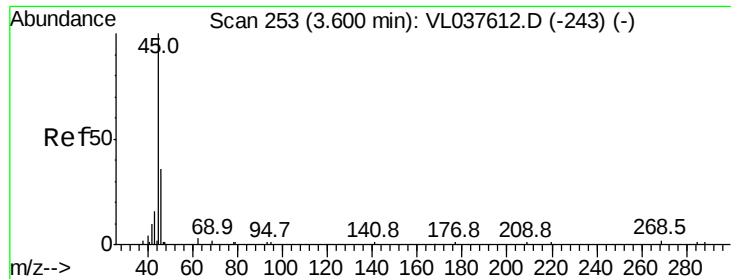
Tot Ion:101 Resp: 2184007
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.354 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion:101 Resp: 1700650
 Ion Ratio Lower Upper
 101 100
 151 78.0 63.5 95.3

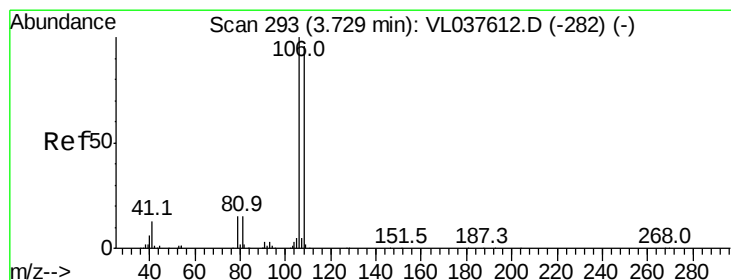
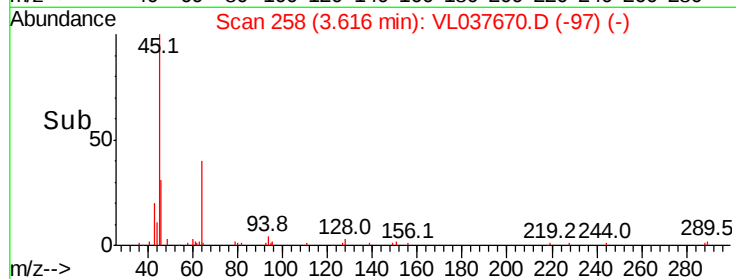
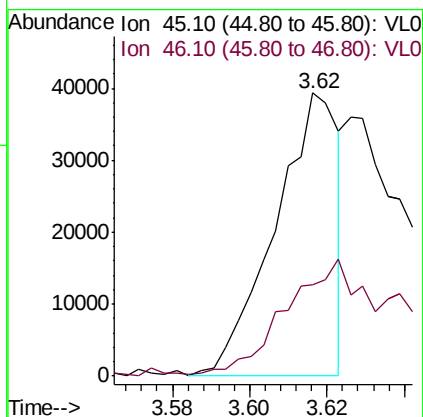
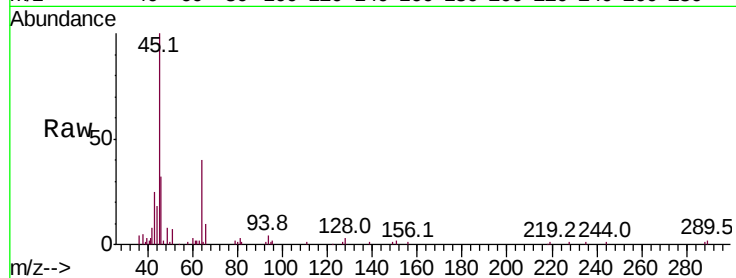




#13
Ethanol
Concen: 4.070 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

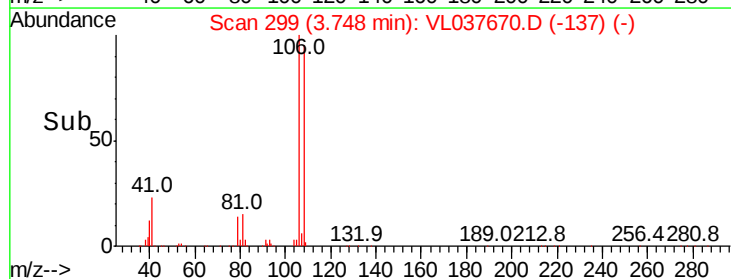
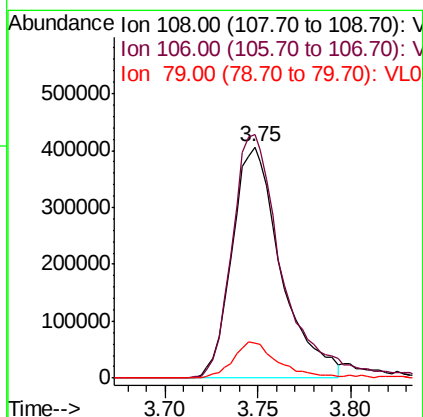
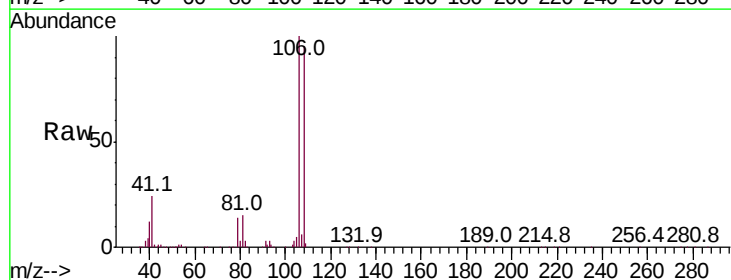
Instrument :
MSVOA_L
ClientSampleId :

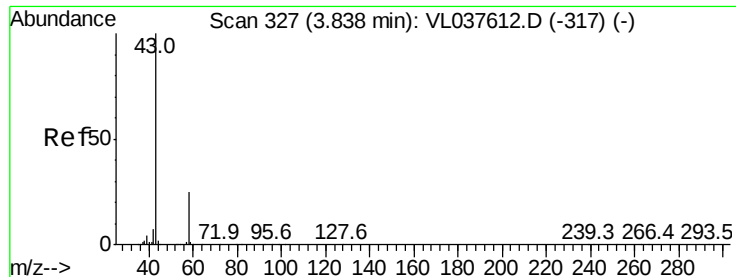
Tot Ion: 45 Resp: 44906
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#14
Bromoethene
Concen: 8.930 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 108 Resp: 739077
Ion Ratio Lower Upper
108 100
106 111.5 88.2 132.4
79 15.7 12.8 19.2

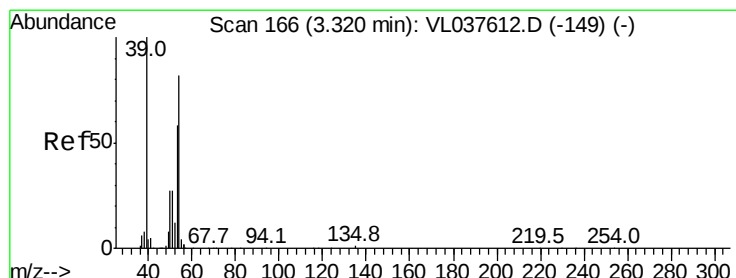
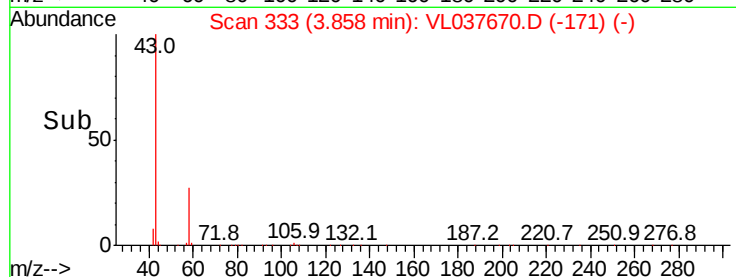
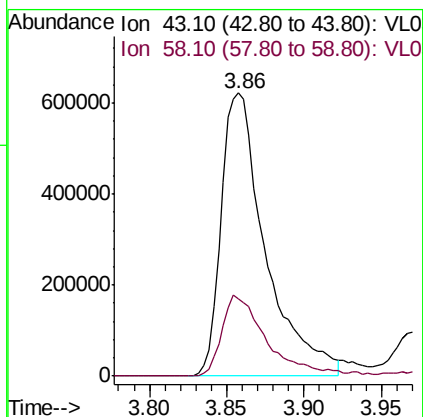
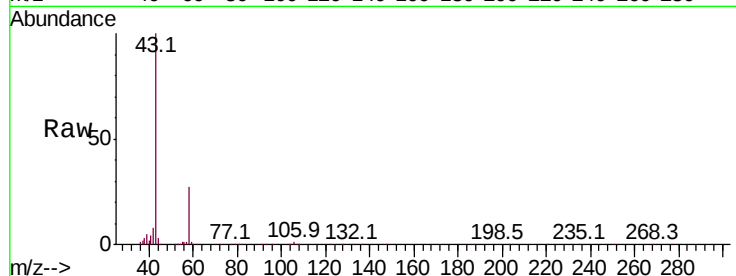




#15
Acetone
Concen: 7.013 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

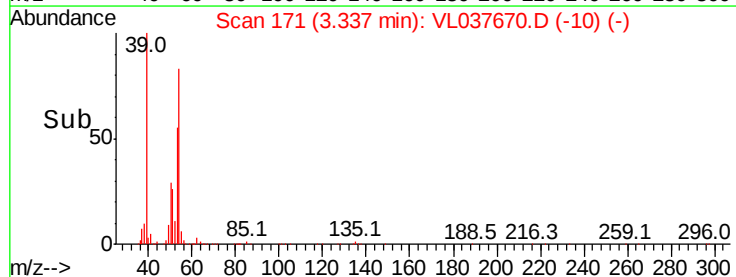
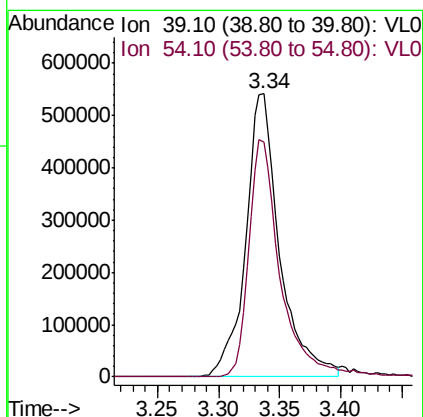
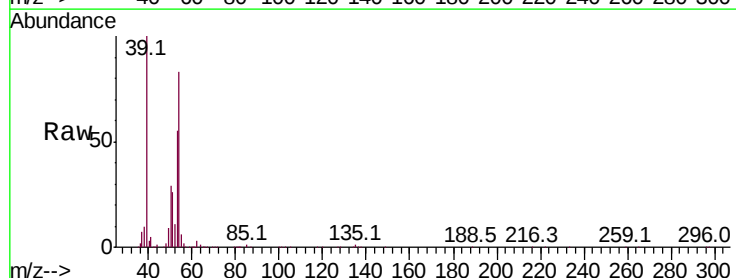
Instrument :
MSVOA_L
ClientSampleId :

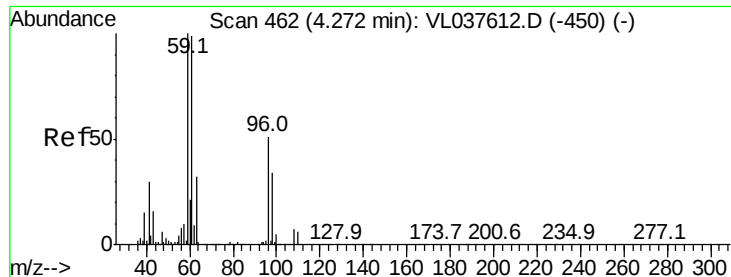
Tot Ion: 43 Resp: 1235504
Ion Ratio Lower Upper
43 100
58 29.4 24.9 37.3



#16
1,3-Butadiene
Concen: 9.380 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 39 Resp: 1032540
Ion Ratio Lower Upper
39 100
54 78.6 62.6 93.8



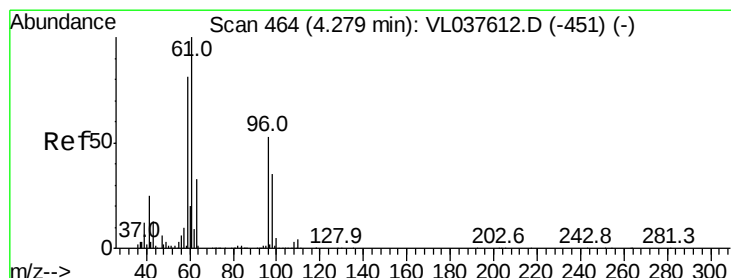
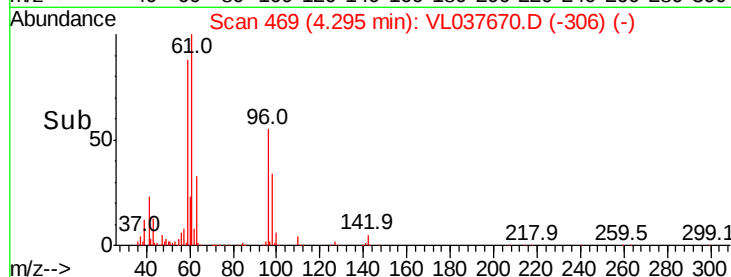
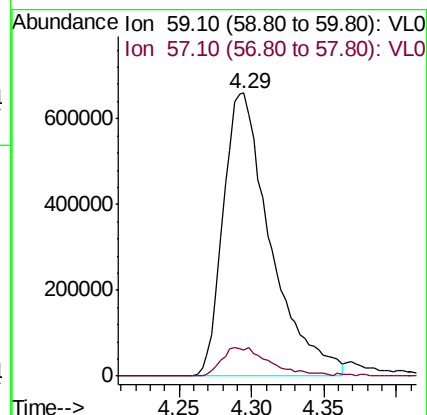
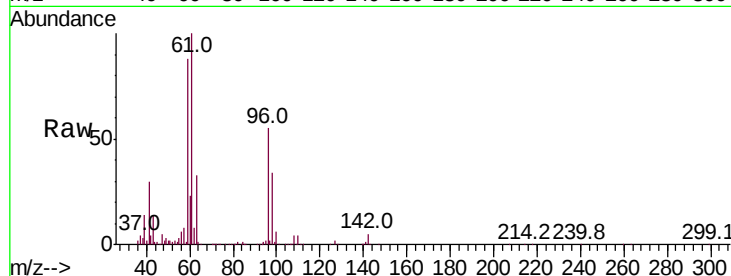


#17

tert-Butyl alcohol
Concen: 9.969 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :

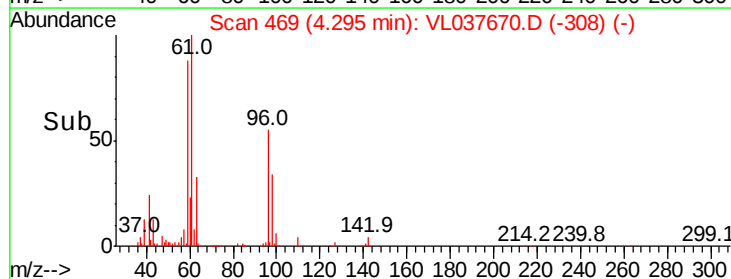
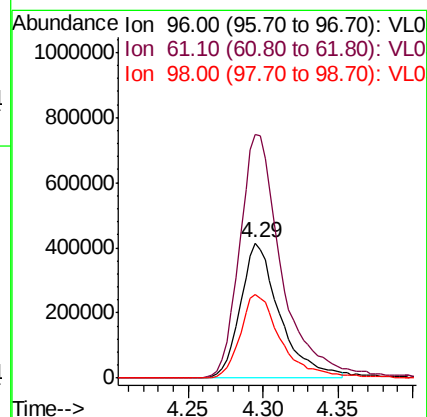
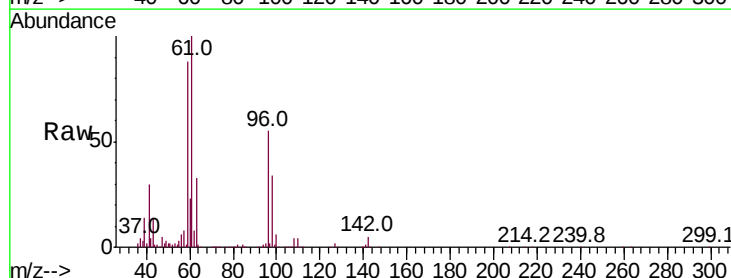
Tot Ion: 59 Resp: 1489140
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

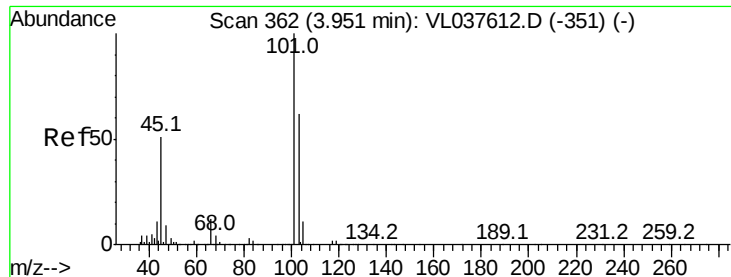


#18

1,1-Dichloroethene
Concen: 8.975 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 96 Resp: 760171
Ion Ratio Lower Upper
96 100
61 180.2 150.4 225.6
98 61.8 52.1 78.1





#19

Isopropyl Alcohol

Concen: 8.788 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

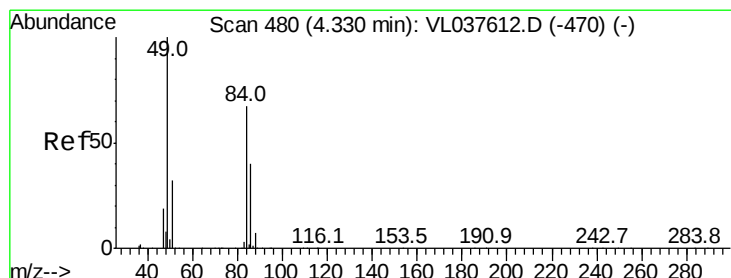
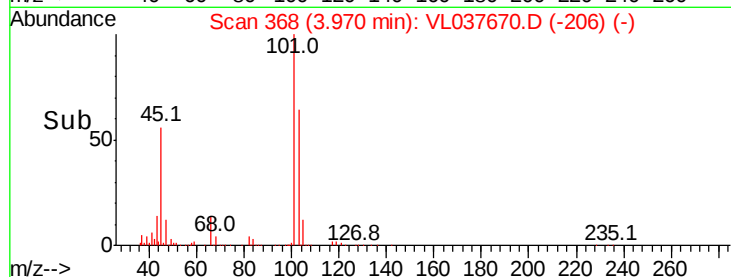
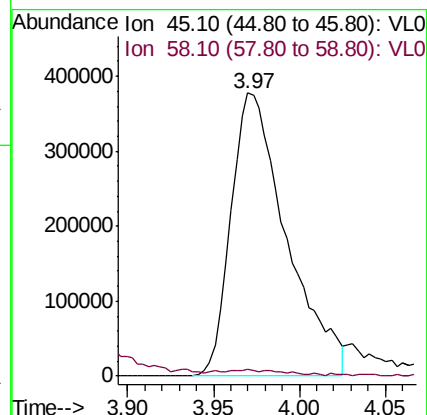
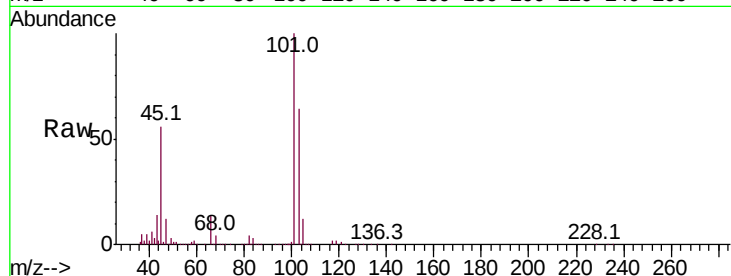
ClientSampleId :

Tot Ion: 45 Resp: 842381

Ion Ratio Lower Upper

45 100

58 2.8 2.9 4.3#



#20

Methylene Chloride

Concen: 7.881 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 84 Resp: 662811

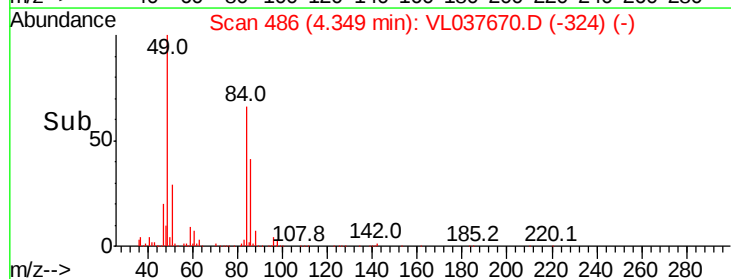
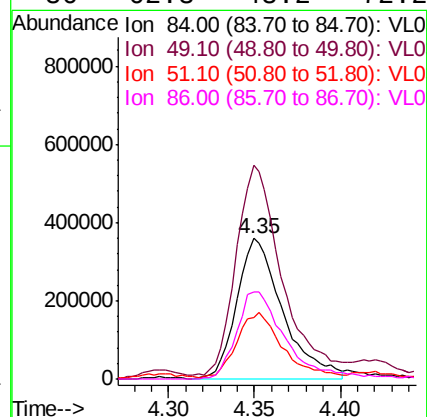
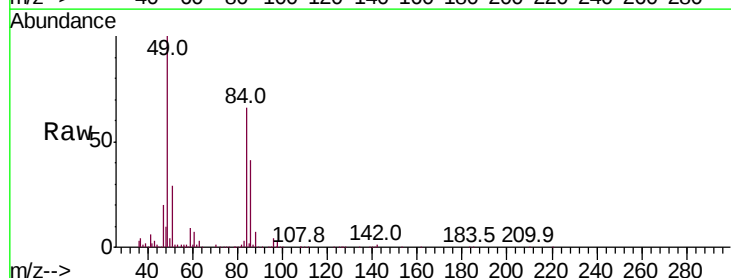
Ion Ratio Lower Upper

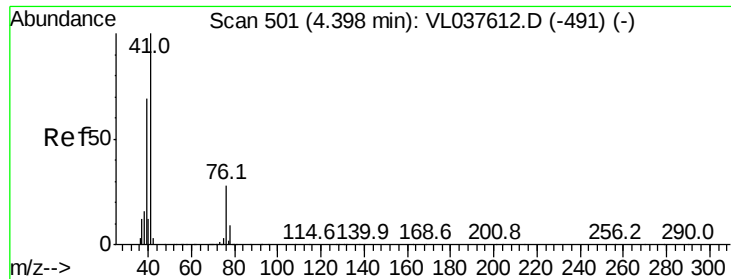
84 100

49 150.5 120.0 180.0

51 42.3 38.0 57.0

86 62.3 48.2 72.2

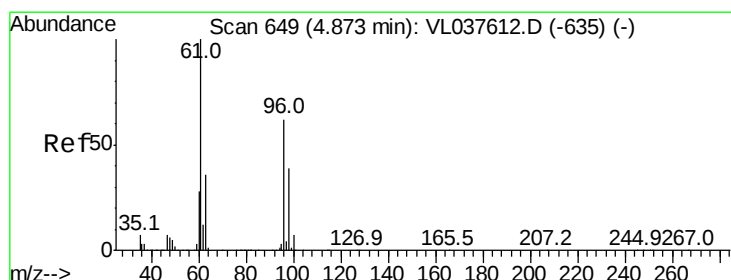
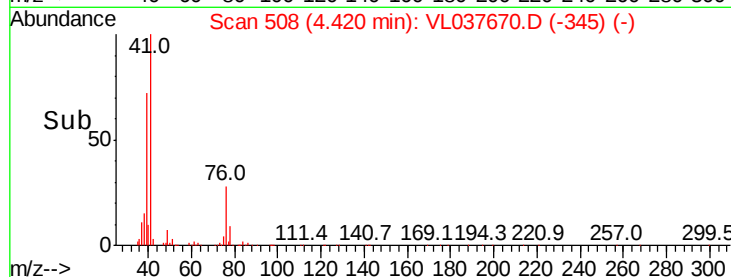
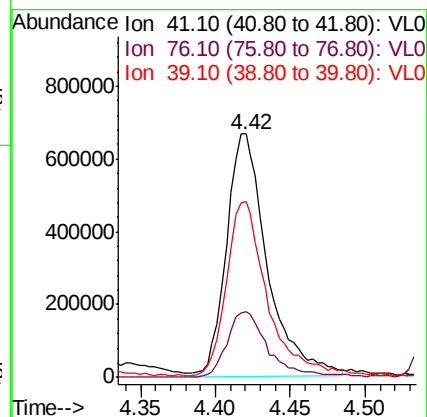
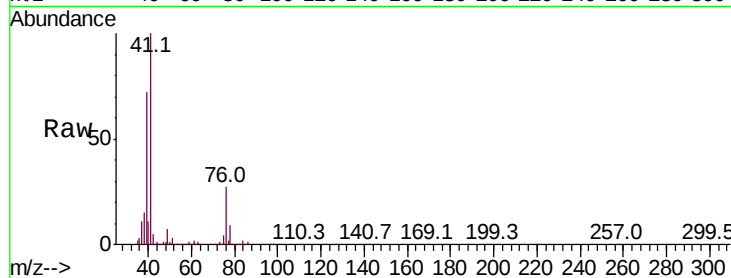




#21
Allvl Chloride
Concen: 9.619 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

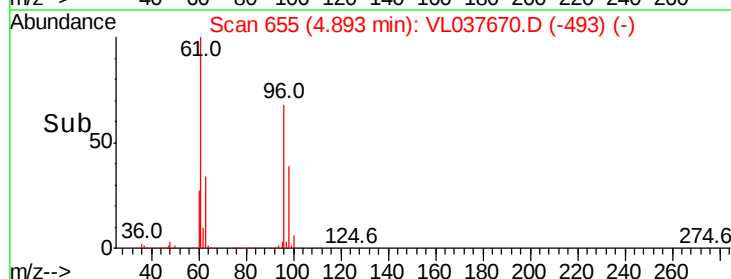
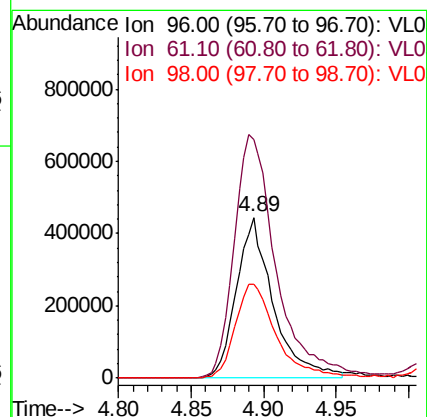
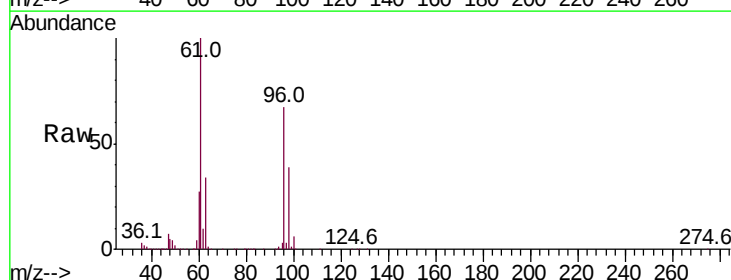
Instrument :
MSVOA_L
ClientSampleId :

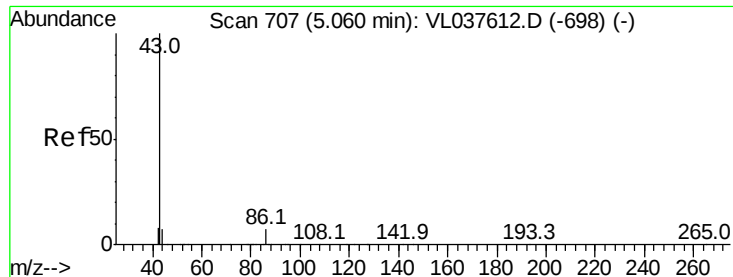
Tot Ion: 41 Resp: 1265869
Ion Ratio Lower Upper
41 100
76 27.6 23.1 34.7
39 72.8 61.0 91.6



#22
trans-1,2-Dichloroethene
Concen: 9.218 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 96 Resp: 785583
Ion Ratio Lower Upper
96 100
61 148.5 129.2 193.8
98 58.2 50.4 75.6





#23

Vinyl Acetate

Concen: 8.400 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

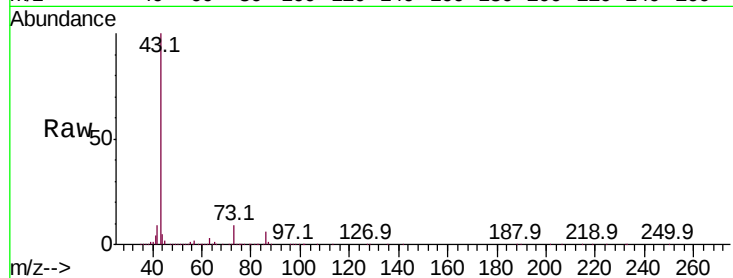
MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2047568

Ion Ratio Lower Upper

43	100		
86	6.6	5.0	7.6
42	8.6	7.5	11.3
44	4.7	4.7	7.1#

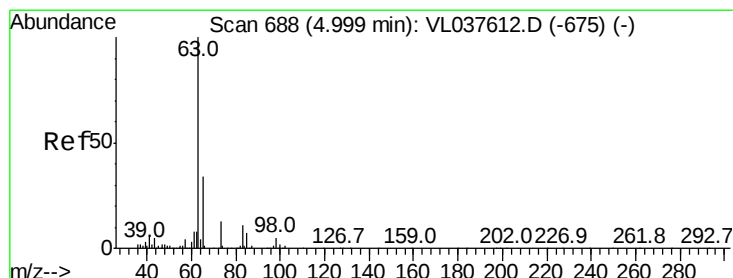
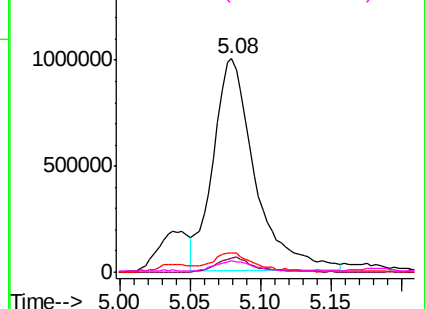
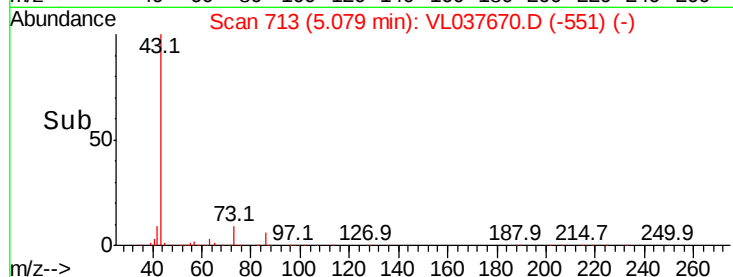


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.925 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.02 min

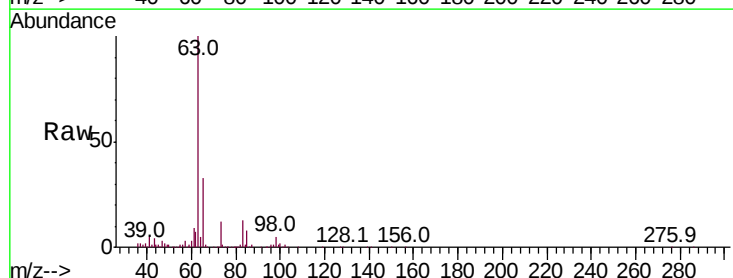
Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 63 Resp: 1558557

Ion Ratio Lower Upper

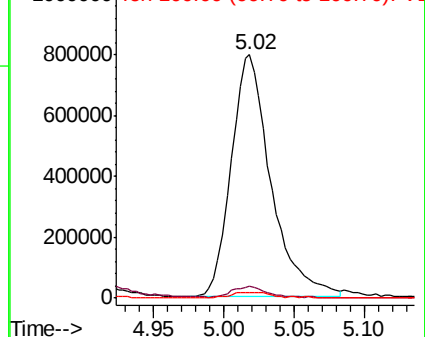
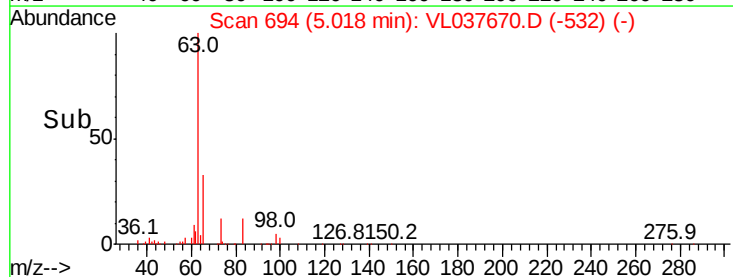
63	100		
98	4.5	2.4	7.2
100	2.4	1.1	3.5

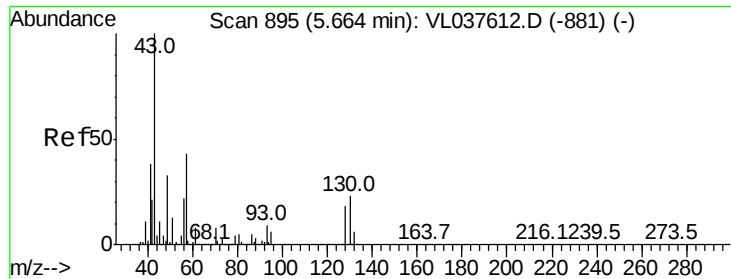


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



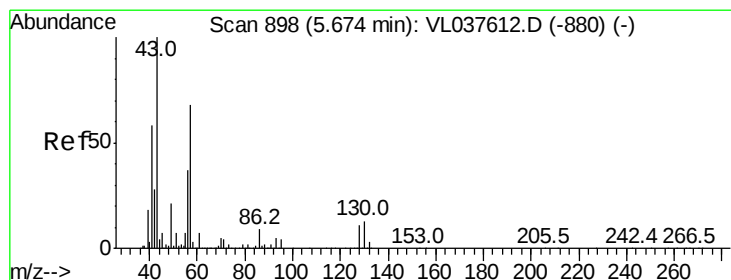
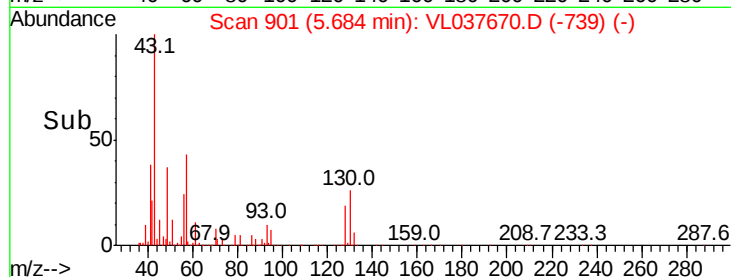
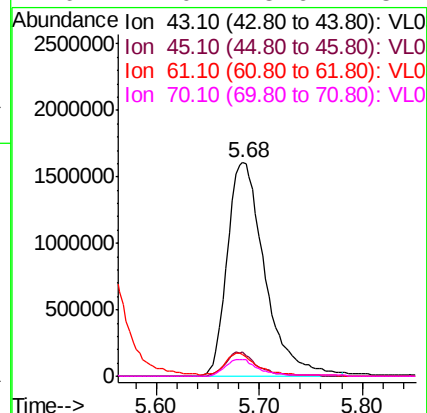
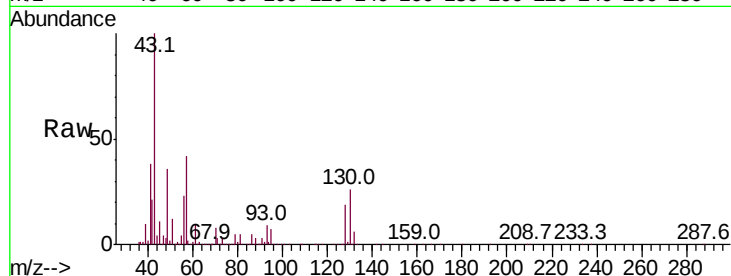


#25
Ethyl Acetate
Concen: 9.486 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 4047402

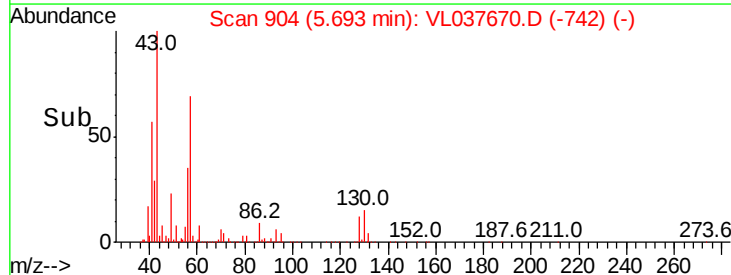
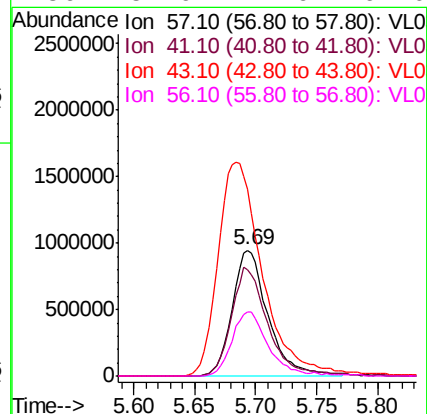
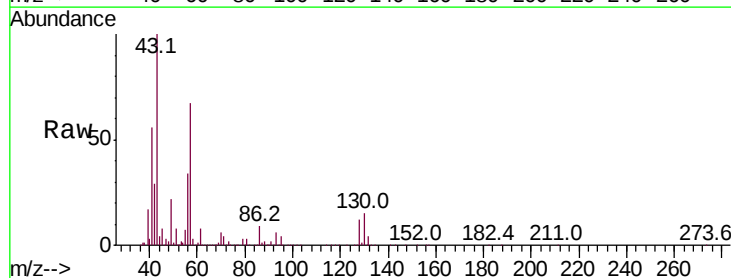
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.1	7.5	11.3
70	7.0	5.6	8.4

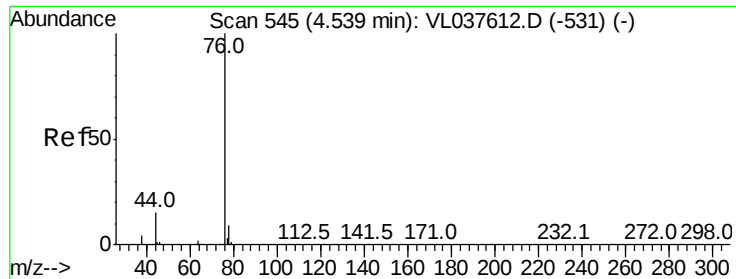


#26
Hexane
Concen: 9.534 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 57 Resp: 1932360

Ion	Ratio	Lower	Upper
57	100		
41	89.1	70.9	106.3
43	213.0	170.4	255.6
56	52.9	42.6	64.0





#27

Carbon Disulfide

Concen: 10.363 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

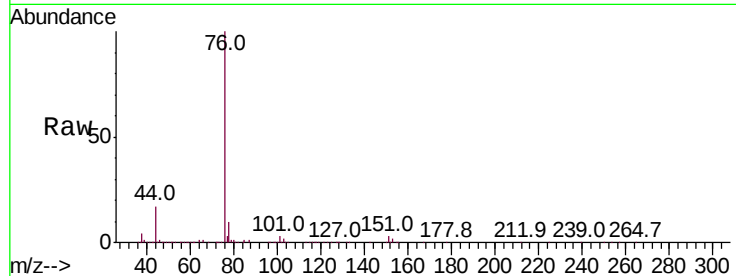
Tot Ion: 76 Resp: 1921358

Ion Ratio Lower Upper

76 100

44 17.1 14.2 21.2

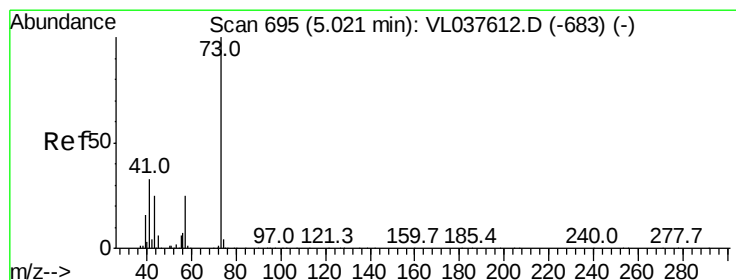
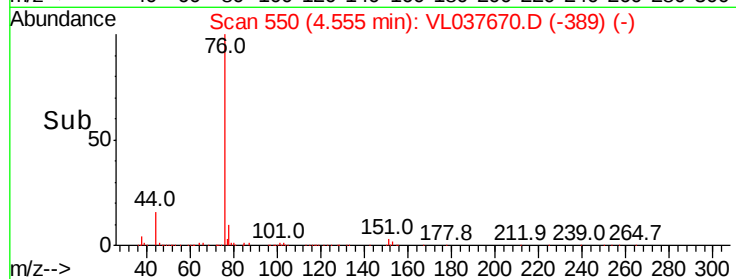
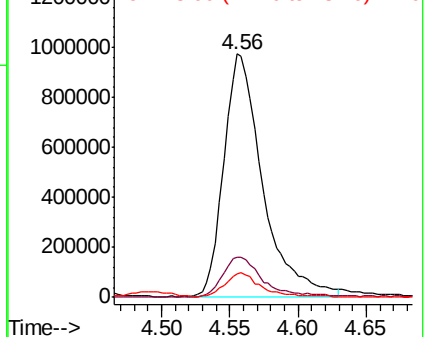
78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.936 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037670.D

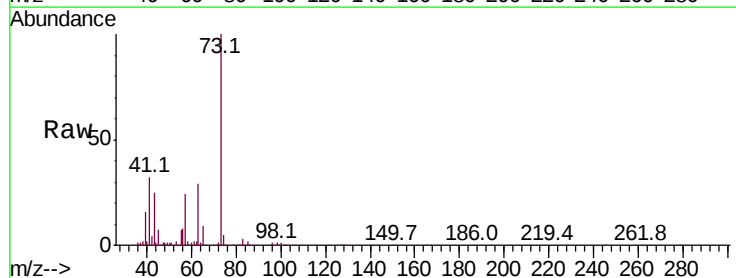
Acq: 23 Sep 2021 19:47

Tgt Ion: 73 Resp: 1595230

Ion Ratio Lower Upper

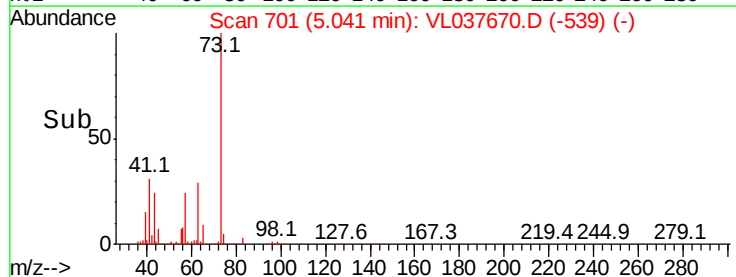
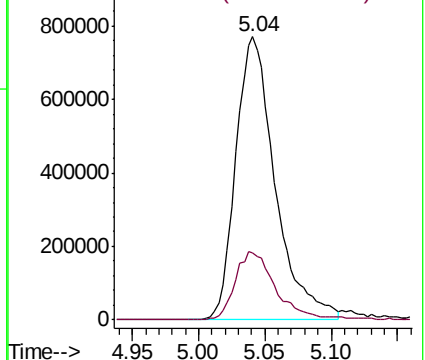
73 100

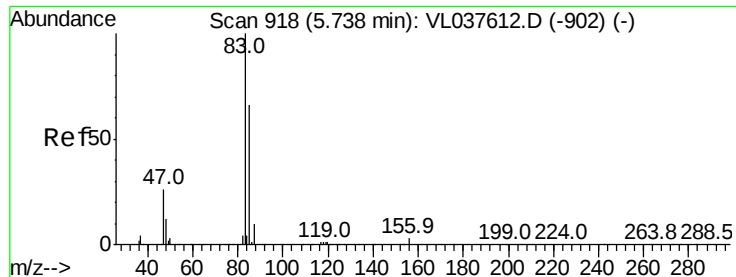
57 25.4 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.994 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

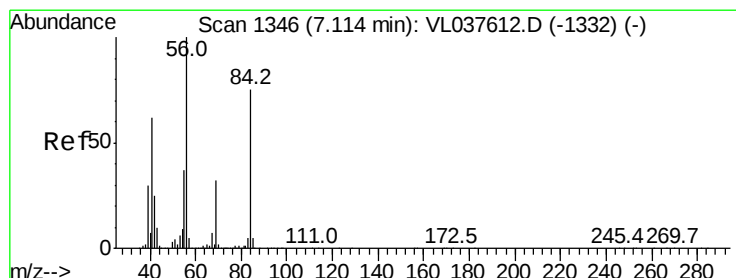
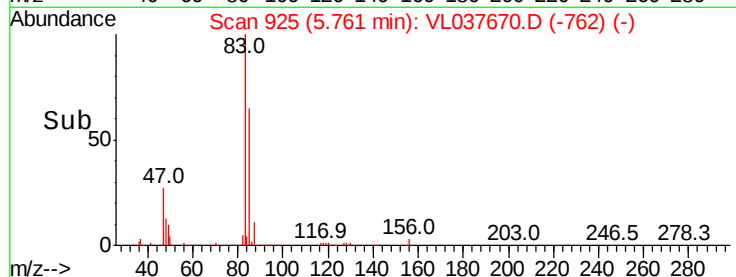
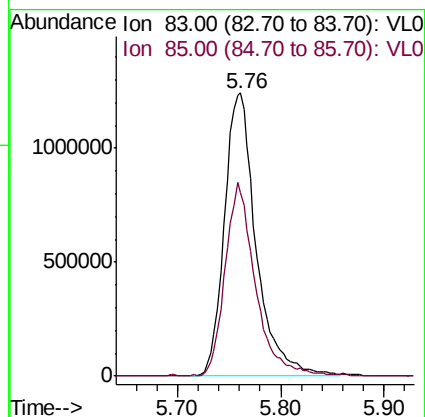
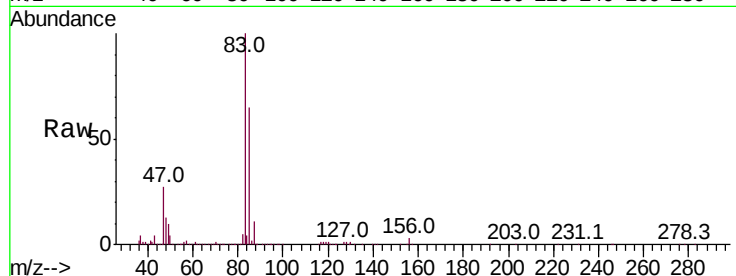
ClientSampled :

Tot Ion: 83 Resp: 2661801

Ion Ratio Lower Upper

83 100

85 64.8 52.6 79.0



#30

Cyclohexane

Concen: 9.278 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

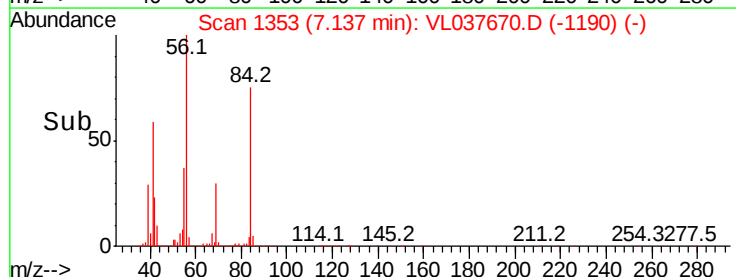
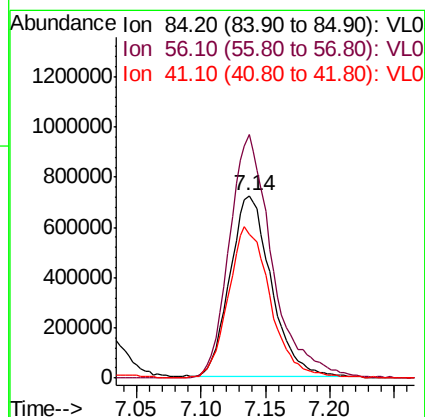
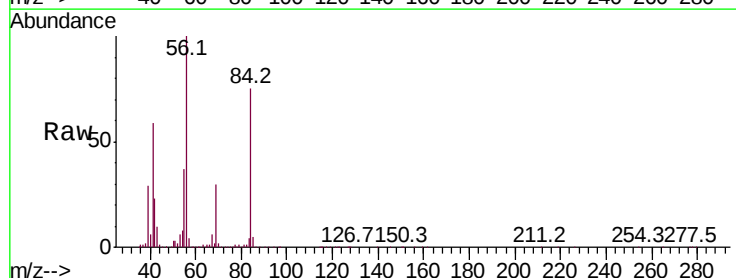
Tgt Ion: 84 Resp: 1608152

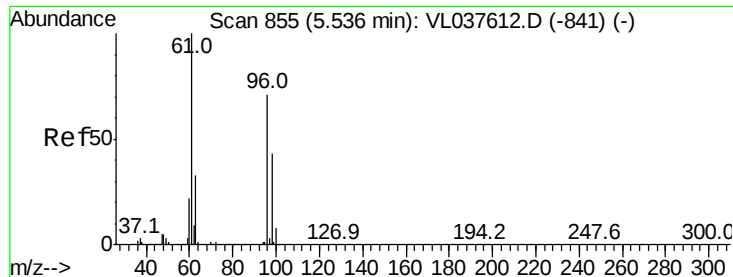
Ion Ratio Lower Upper

84 100

56 140.2 113.6 170.4

41 85.5 67.9 101.9



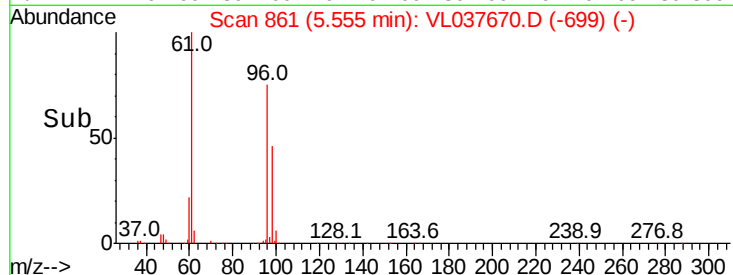
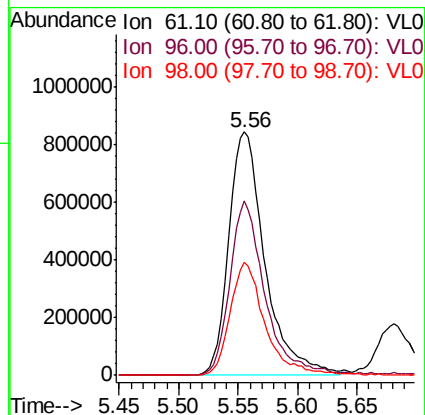
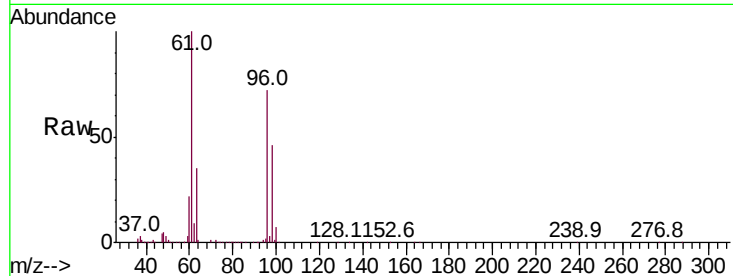


#31

cis-1,2-Dichloroethene
Concen: 9.642 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampled :

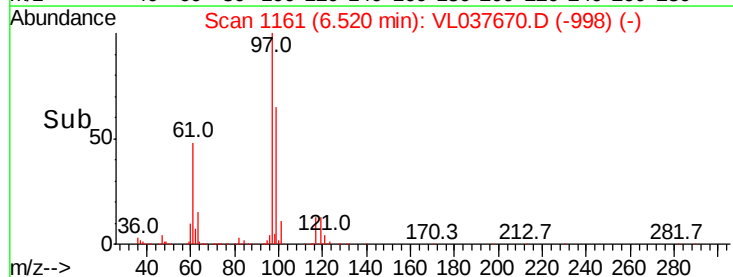
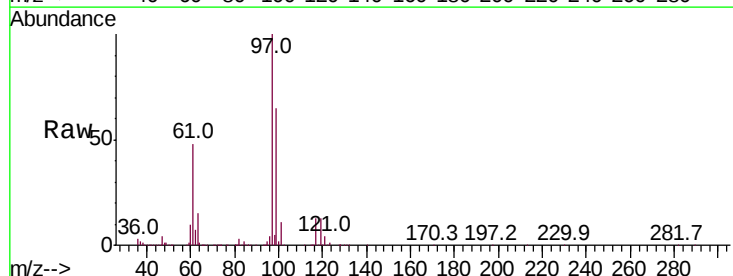
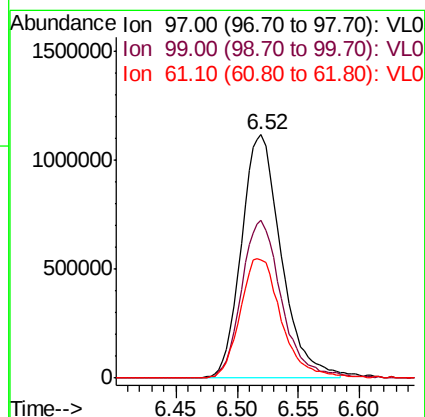
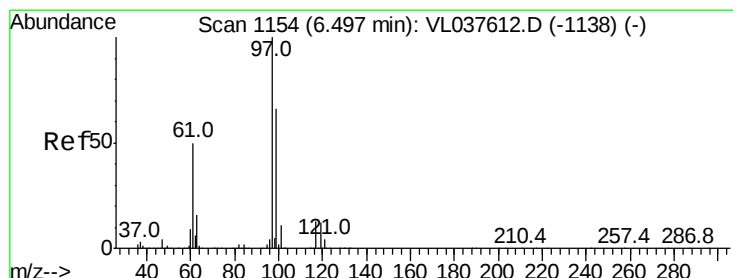
Tot Ion: 61 Resp: 1774022
Ion Ratio Lower Upper
61 100
96 71.9 56.7 85.1
98 46.2 34.6 52.0

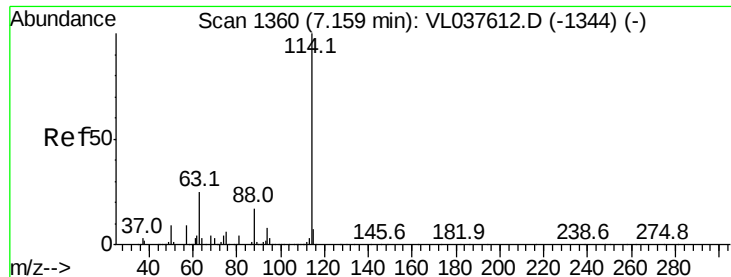


#32

1,1,1-Trichloroethane
Concen: 9.141 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 97 Resp: 2518568
Ion Ratio Lower Upper
97 100
99 65.6 52.3 78.5
61 50.9 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.02 min

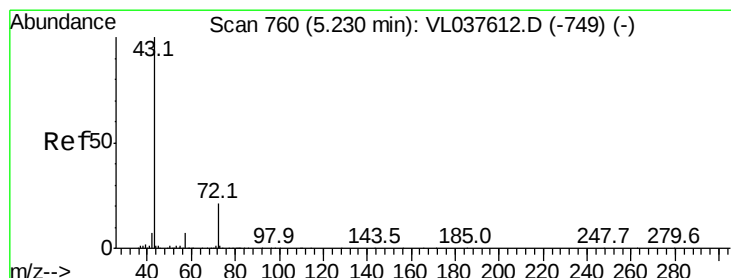
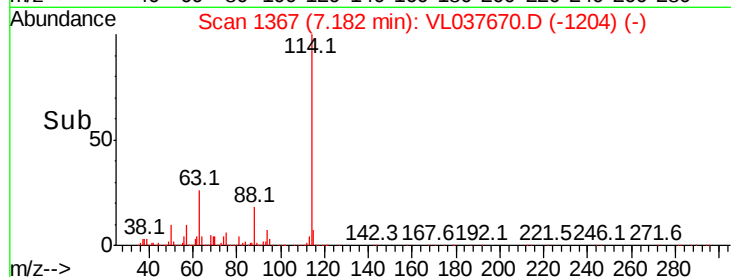
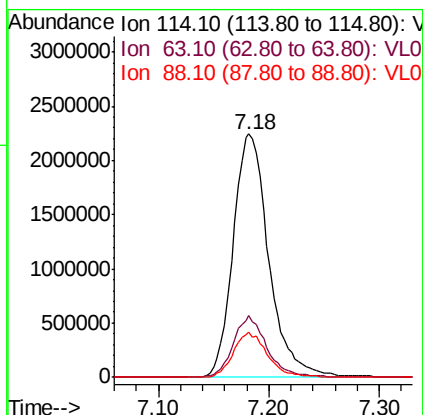
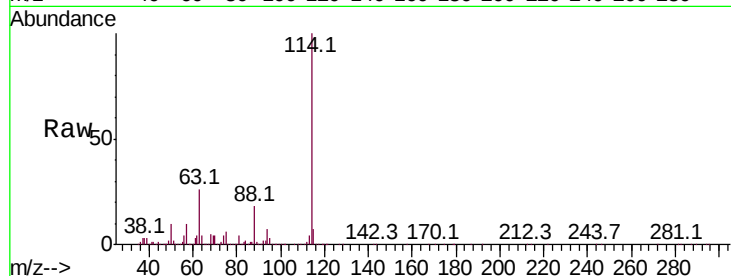
Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 5003381

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 8.615 ppbv

RT: 5.25 min Scan# 766

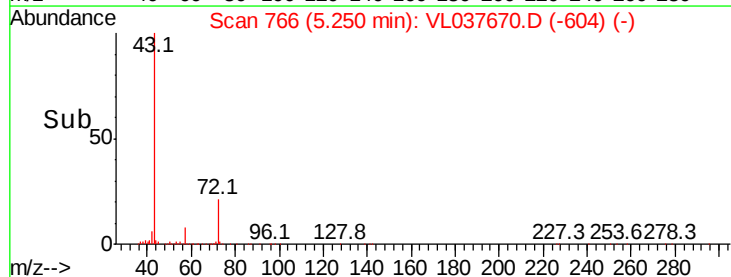
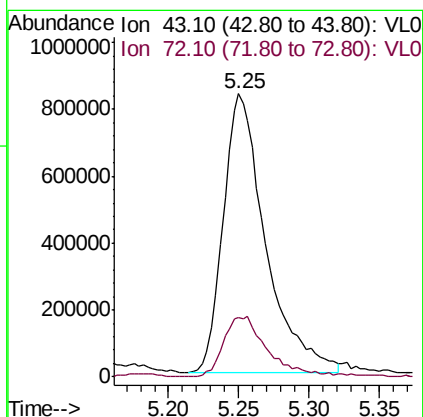
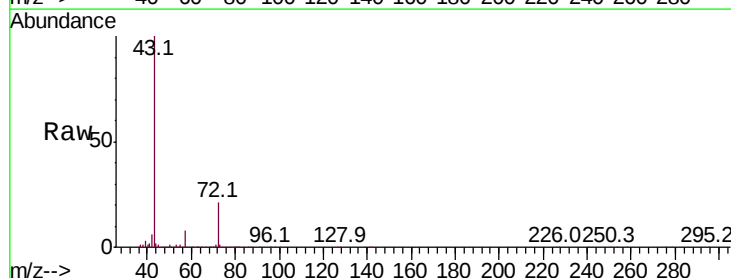
Delta R.T. 0.02 min

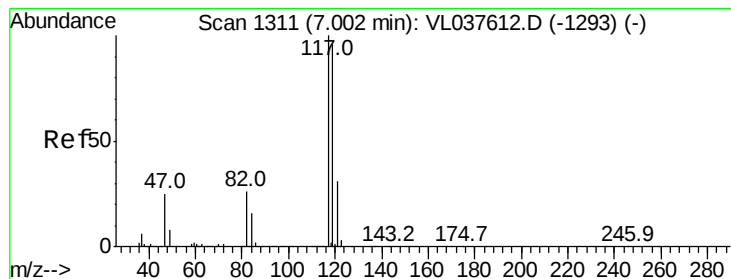
Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 43 Resp: 1751633

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.305 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

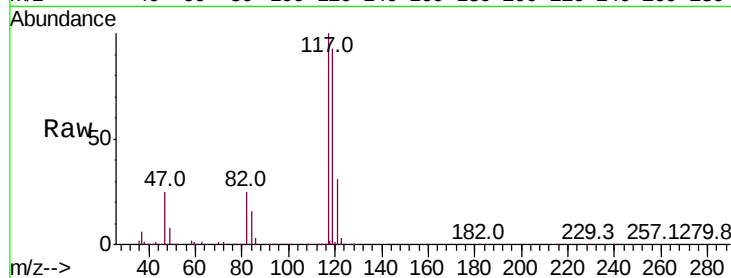
Tot Ion:117 Resp: 2633520

Ion Ratio Lower Upper

117 100

119 93.1 77.0 115.6

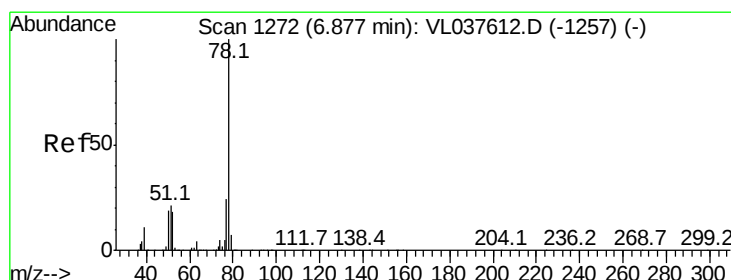
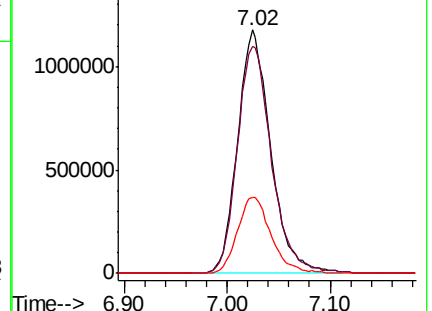
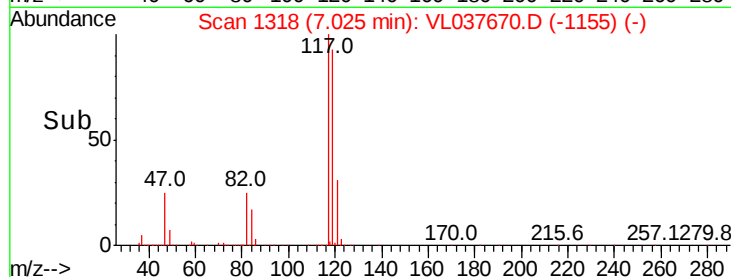
121 31.4 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.412 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

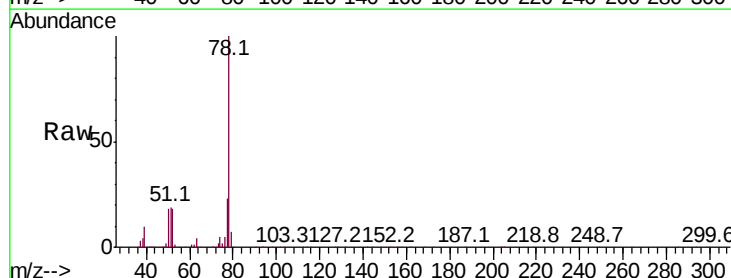
Tgt Ion: 78 Resp: 3927027

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.4

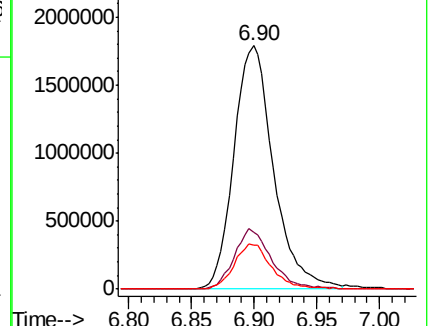
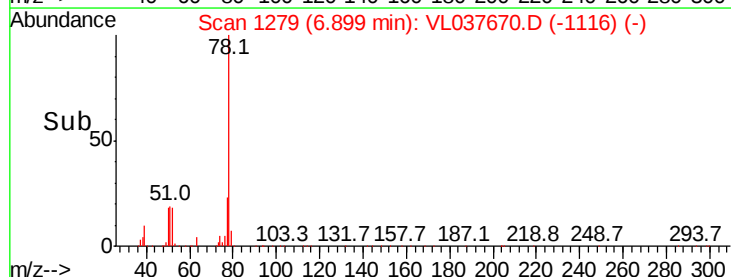
50 17.9 14.8 22.2

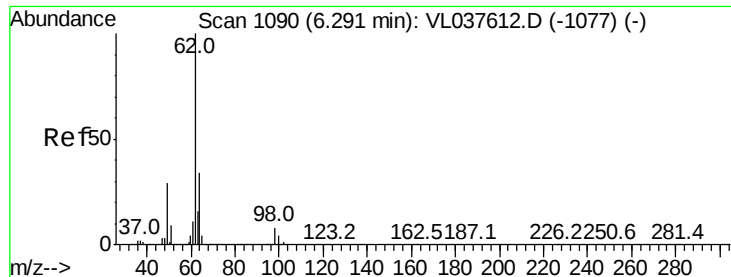


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

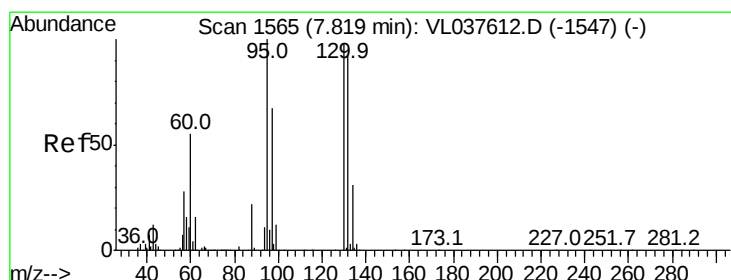
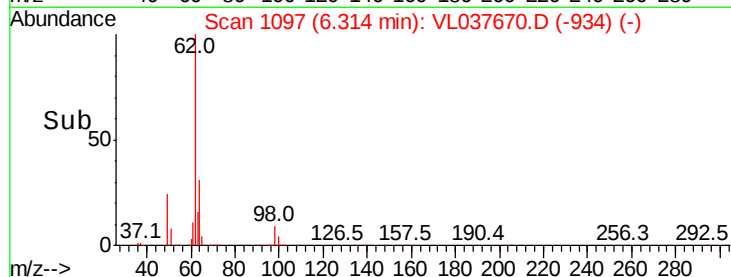
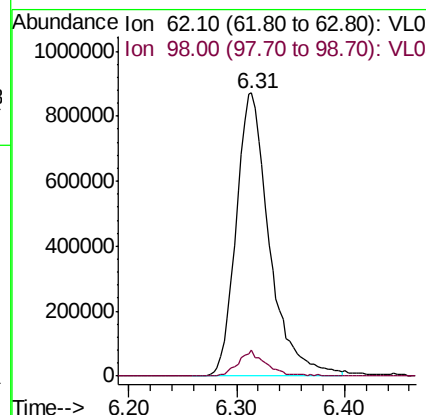
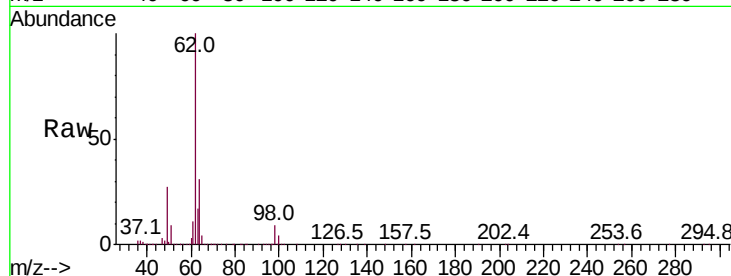




#37
1,2-Dichloroethane
Concen: 9.117 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

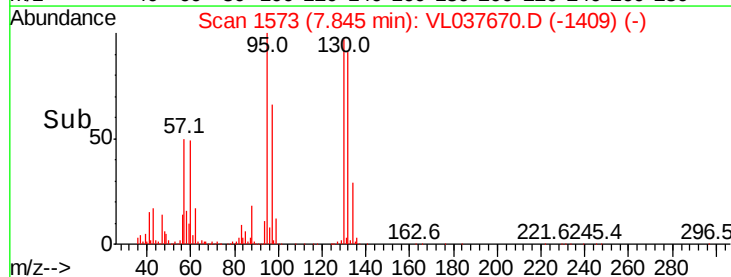
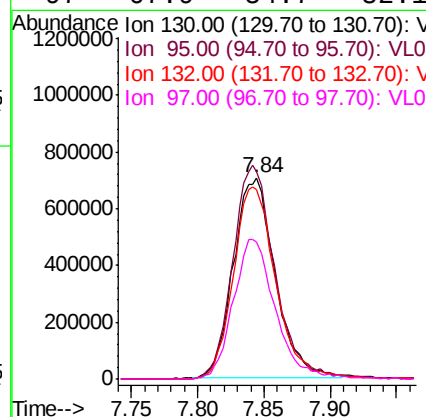
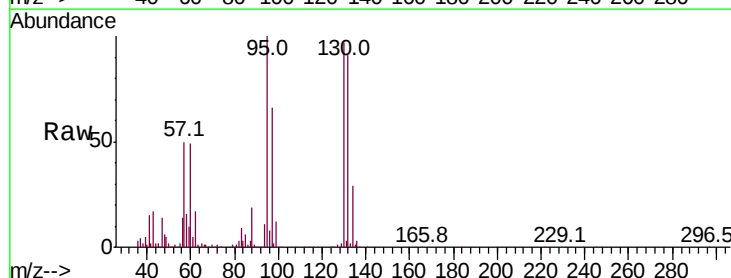
Instrument :
MSVOA_L
ClientSampleId :

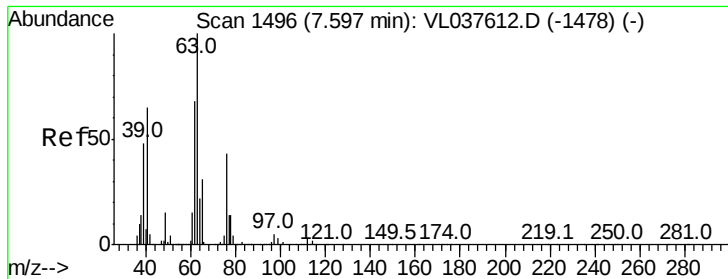
Tot Ion: 62 Resp: 1870725
Ion Ratio Lower Upper
62 100
98 7.9 6.1 9.1



#38
Trichloroethene
Concen: 8.888 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.03 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion:130 Resp: 1549094
Ion Ratio Lower Upper
130 100
95 103.5 81.8 122.6
132 94.2 75.3 112.9
97 67.9 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.358 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

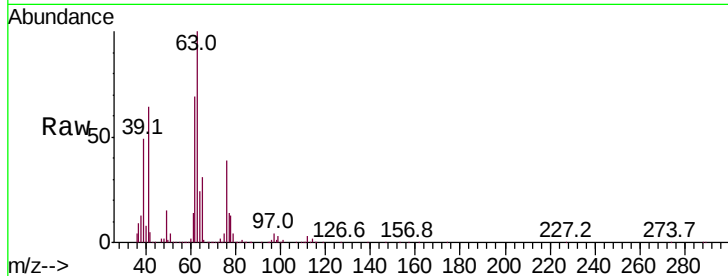
Tot Ion: 63 Resp: 1495400

Ion Ratio Lower Upper

63 100

41 63.4 51.6 77.4

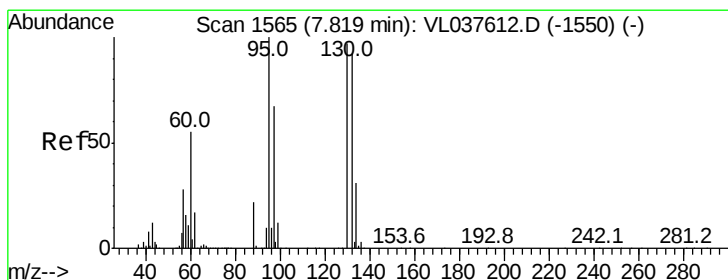
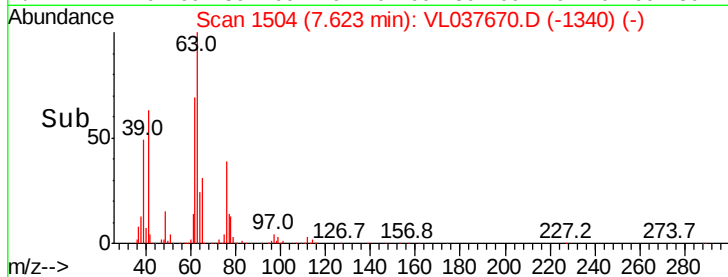
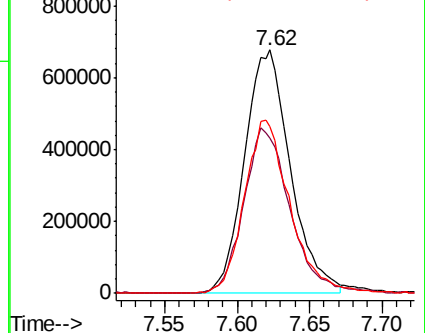
62 68.5 54.6 81.8



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: 9.319 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 88 Resp: 362235

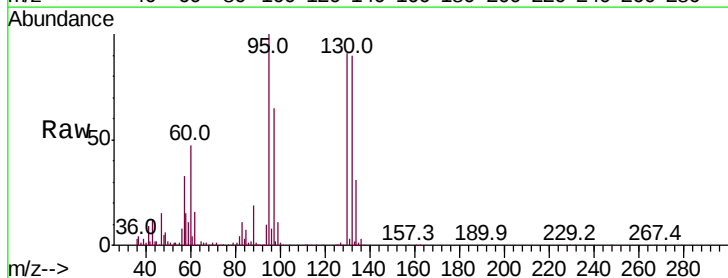
Ion Ratio Lower Upper

88 100

58 163.6 122.4 183.6

43 409.4 297.4 446.0

57 1819.0 1329.8 1994.8

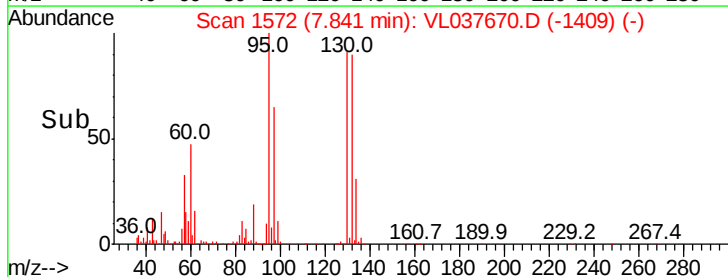
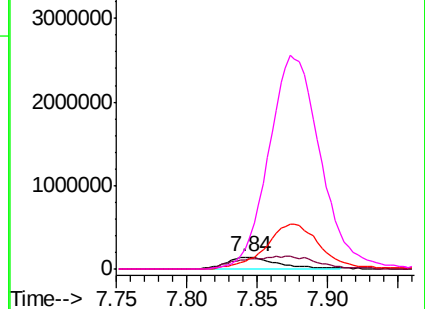


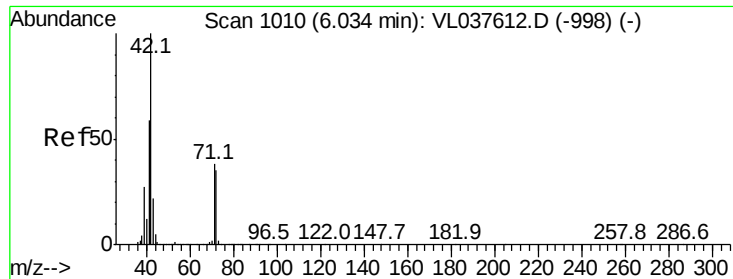
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

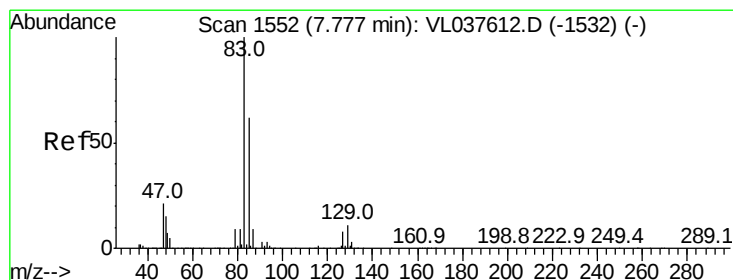
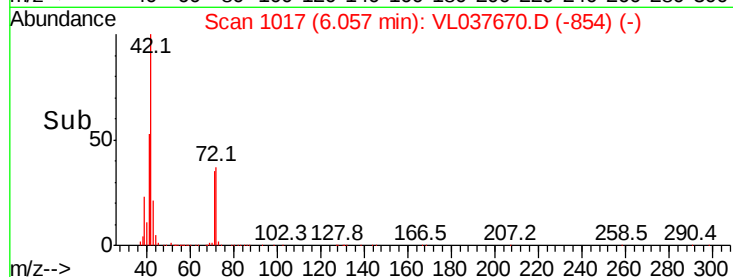
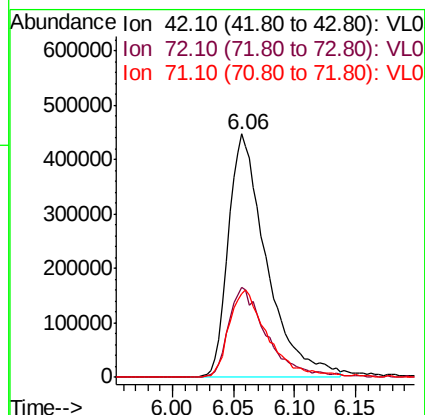
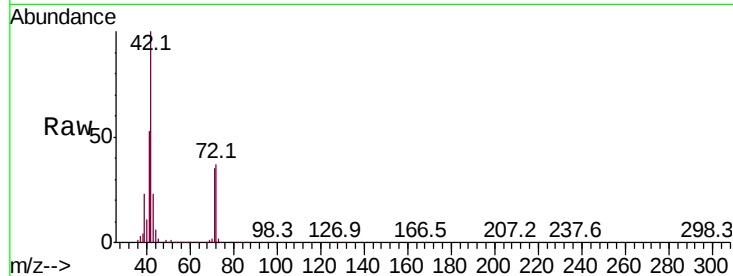




#41
Tetrahydrofuran
Concen: 10.212 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

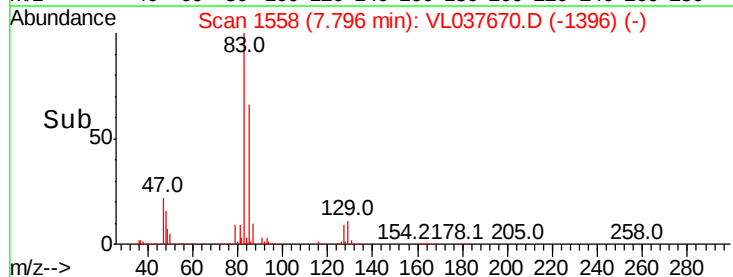
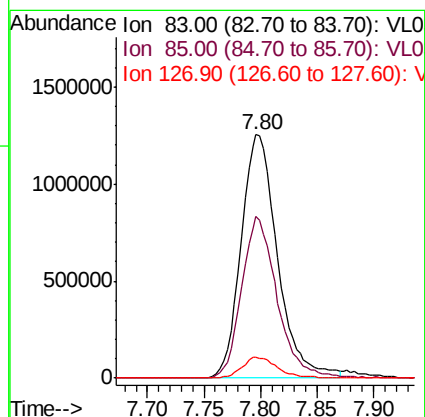
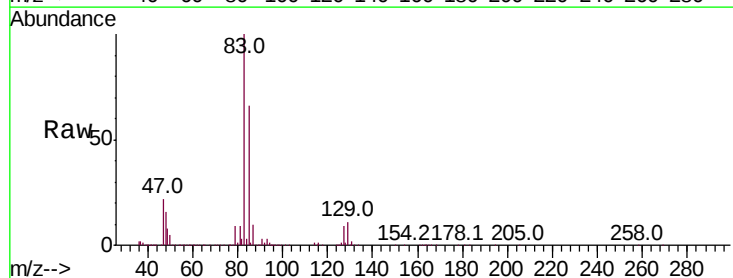
Instrument :
MSVOA_L
ClientSampled :

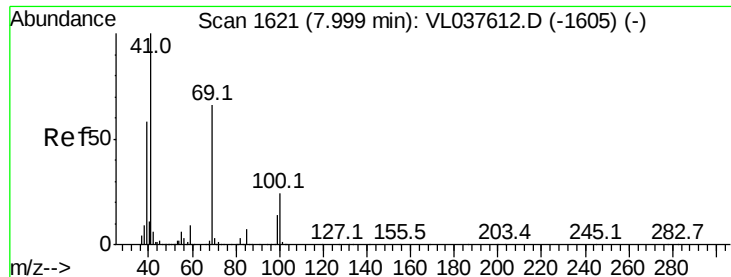
Tot Ion: 42 Resp: 976128
Ion Ratio Lower Upper
42 100
72 37.7 31.4 47.2
71 37.3 30.6 46.0



#42
Bromodichloromethane
Concen: 9.581 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 83 Resp: 2817887
Ion Ratio Lower Upper
83 100
85 66.3 49.8 74.6
127 8.5 6.4 9.6





#43

Methyl Methacrylate

Concen: 10.215 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

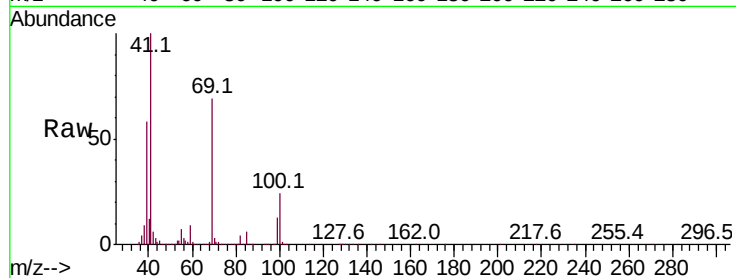
Tot Ion: 69 Resp: 1417898

Ion Ratio Lower Upper

69 100

41 148.4 119.0 178.4

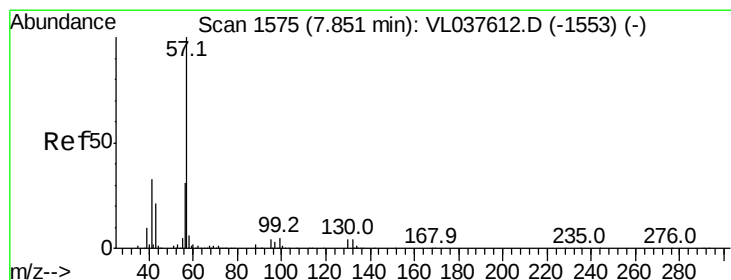
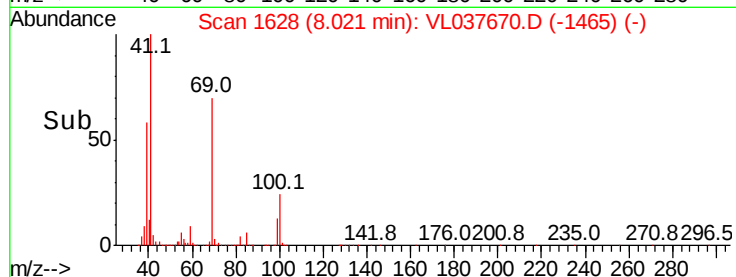
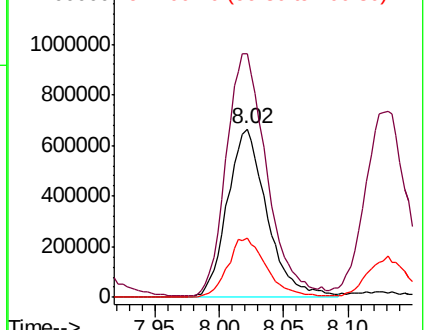
100 34.6 27.6 41.4



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: 9.344 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

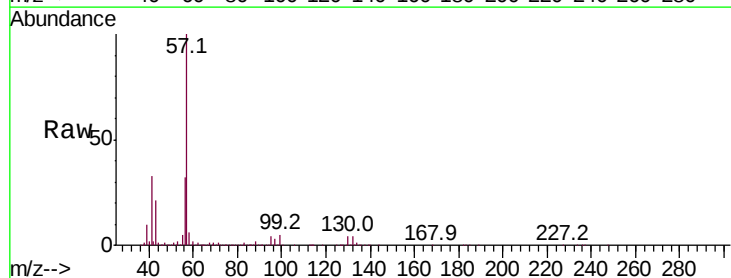
Tgt Ion: 57 Resp: 6553981

Ion Ratio Lower Upper

57 100

41 32.5 26.1 39.1

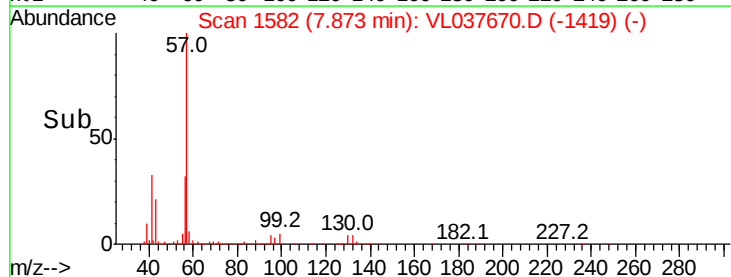
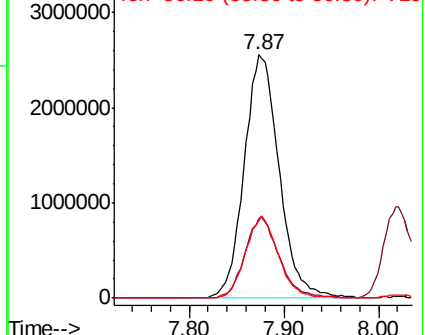
56 32.0 25.7 38.5

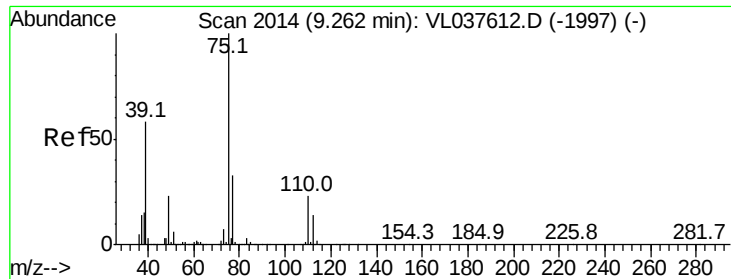


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.417 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

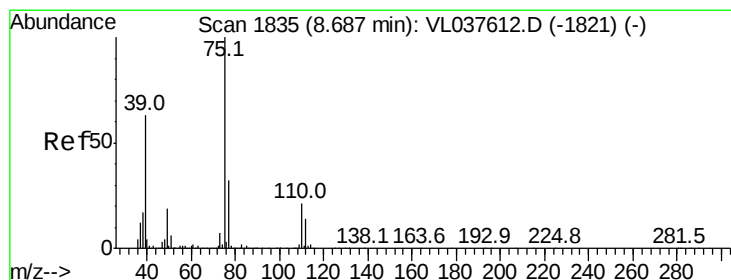
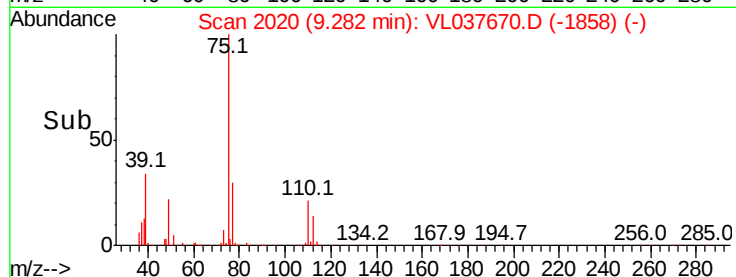
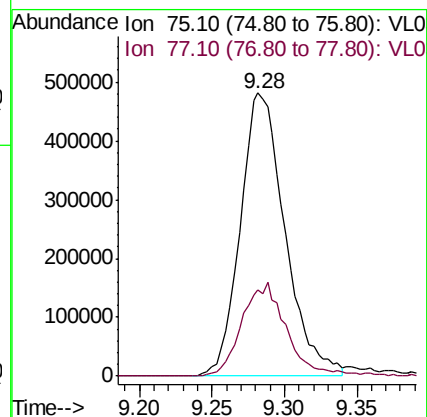
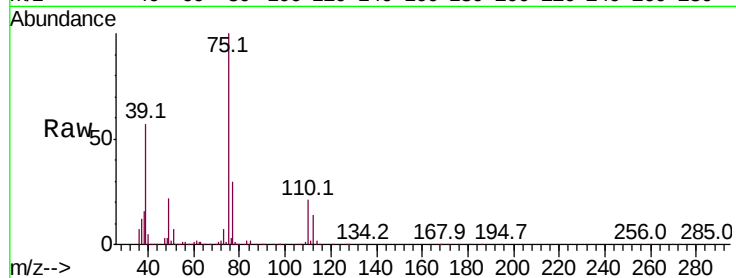
ClientSampled :

Tot Ion: 75 Resp: 1026634

Ion Ratio Lower Upper

75 100

77 30.3 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 9.490 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

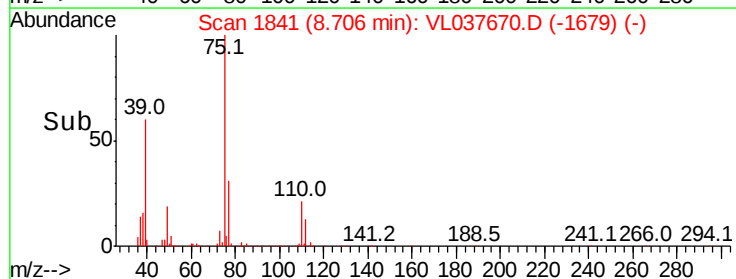
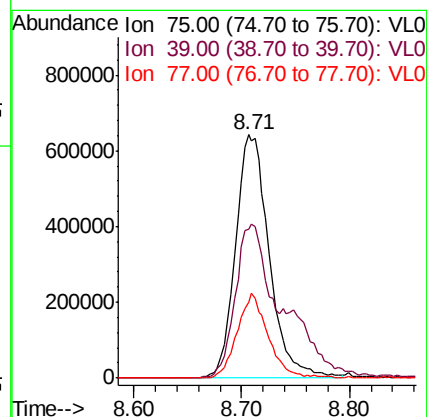
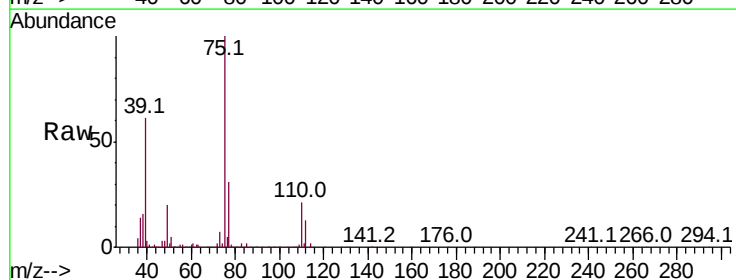
Tgt Ion: 75 Resp: 1397531

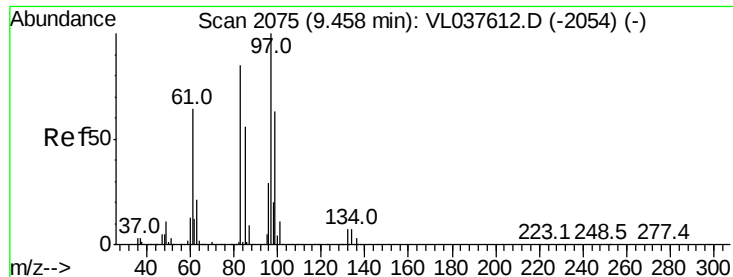
Ion Ratio Lower Upper

75 100

39 61.0 50.2 75.4

77 31.1 25.2 37.8

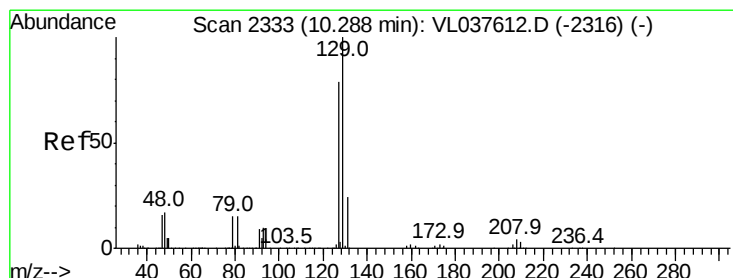
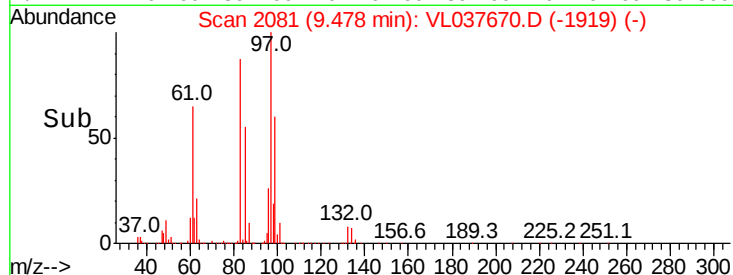
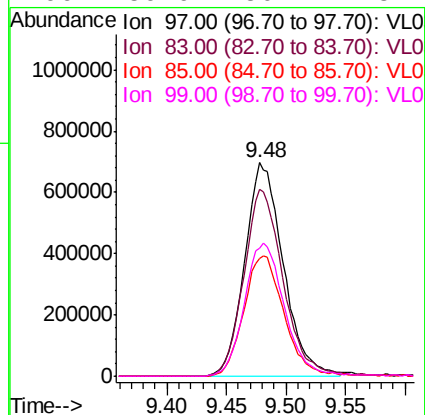
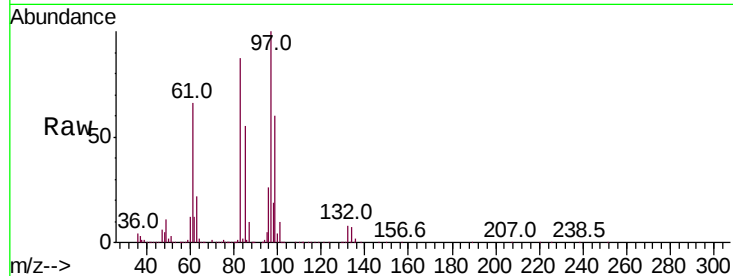




#47
 1,1,2-Trichloroethane
 Concen: 8.831 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

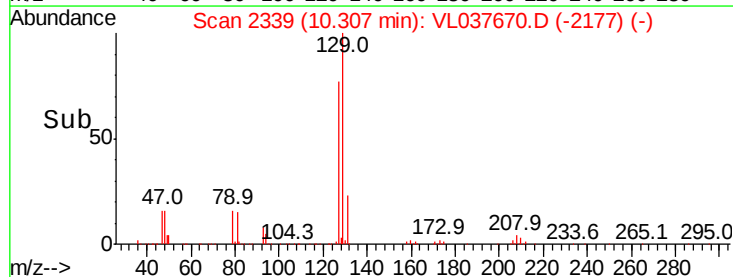
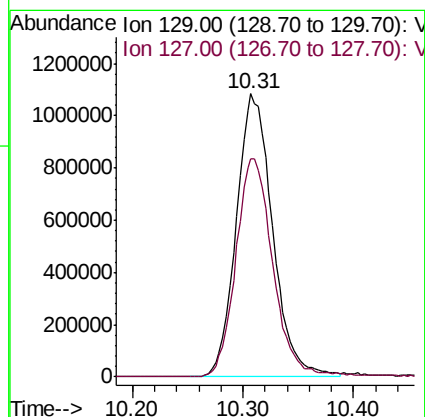
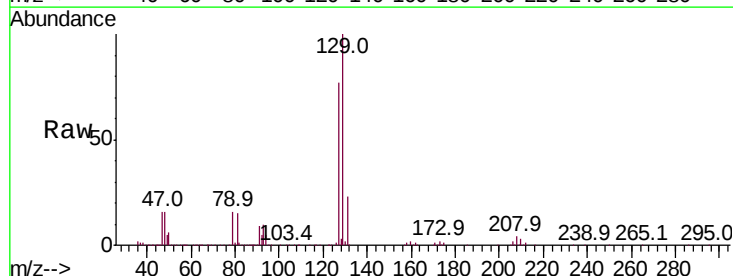
Instrument :
 MSVOA_L
 ClientSampleId :

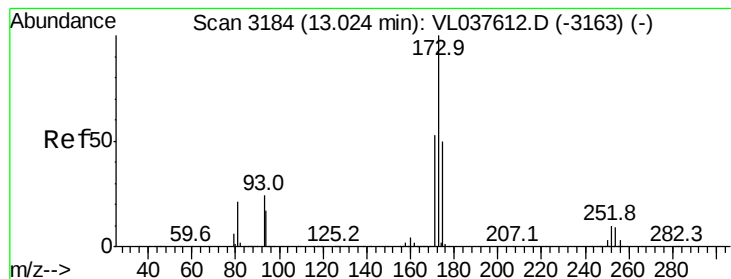
Tot Ion: 97 Resp: 1561114
 Ion Ratio Lower Upper
 97 100
 83 87.3 67.9 101.9
 85 55.0 44.8 67.2
 99 59.9 50.1 75.1



#48
 Dibromochloromethane
 Concen: 10.036 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 129 Resp: 2474926
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.3 117.8





#49

Bromoform

Concen: 10.233 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampled :

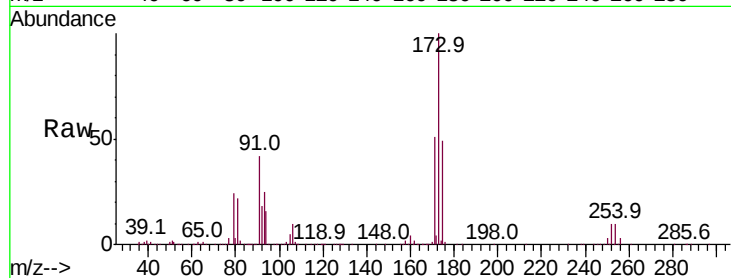
Tot Ion:173 Resp: 2019630

Ion Ratio Lower Upper

173 100

175 50.6 39.8 59.8

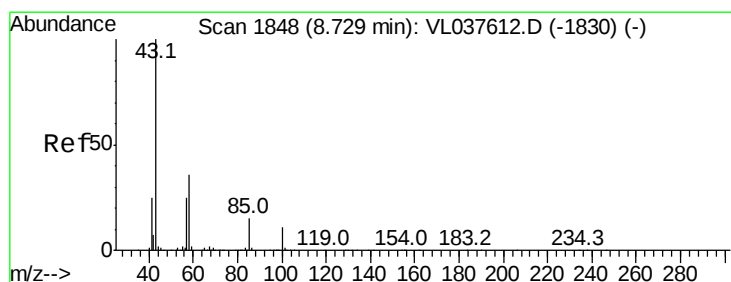
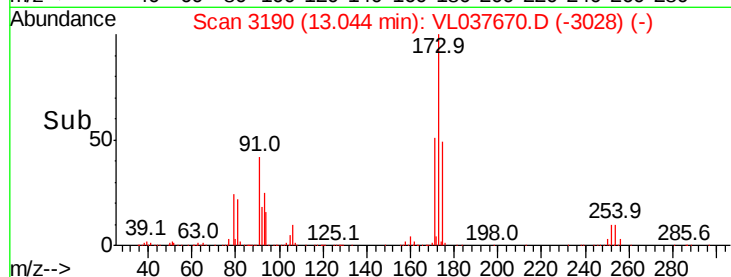
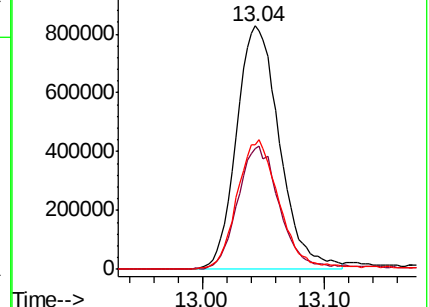
171 54.6 42.2 63.4



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: 9.859 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.02 min

Lab File: VL037670.D

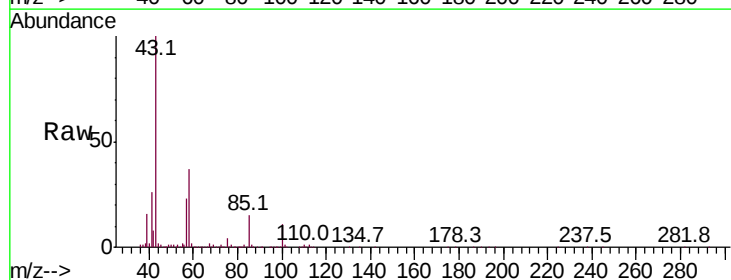
Acq: 23 Sep 2021 19:47

Tgt Ion: 43 Resp: 2544349

Ion Ratio Lower Upper

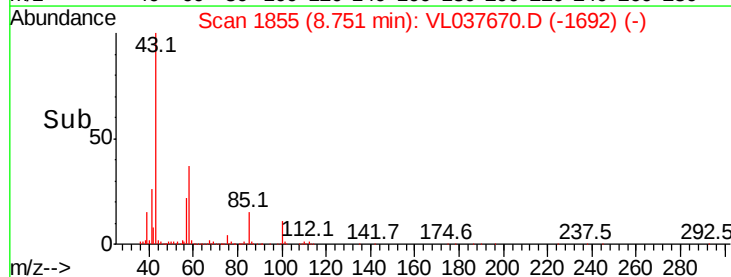
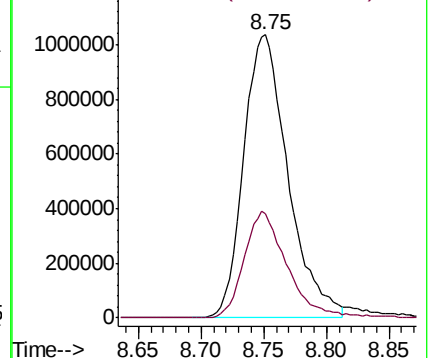
43 100

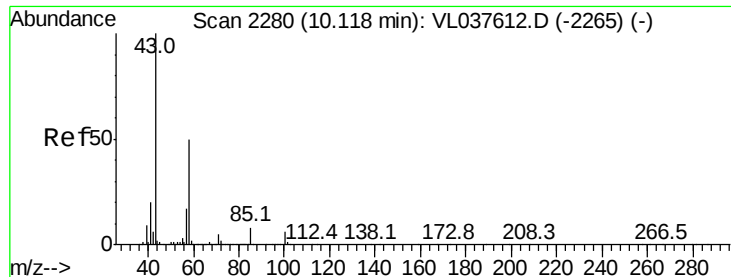
58 37.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.269 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

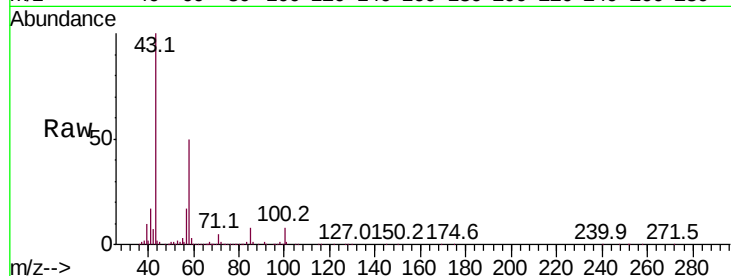
Tot Ion: 43 Resp: 1169306

Ion Ratio Lower Upper

43 100

58 51.2 39.3 58.9

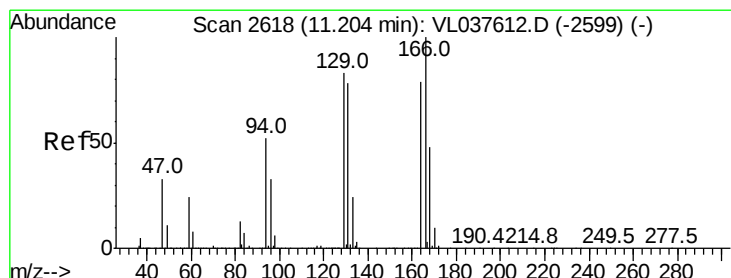
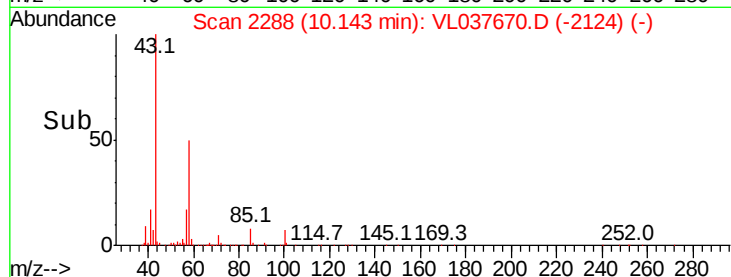
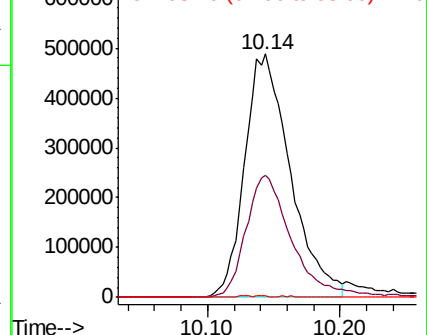
98 0.7 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.939 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 164 Resp: 1431836

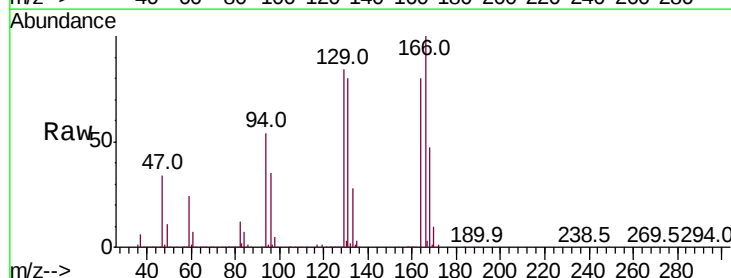
Ion Ratio Lower Upper

164 100

166 125.3 101.2 151.8

129 105.1 84.0 126.0

131 100.0 78.8 118.2

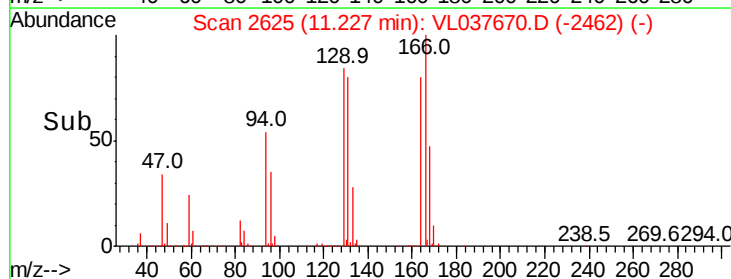
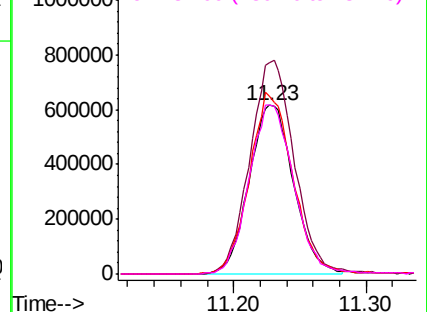


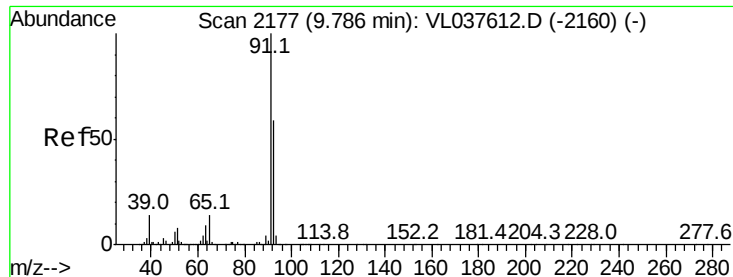
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.705 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

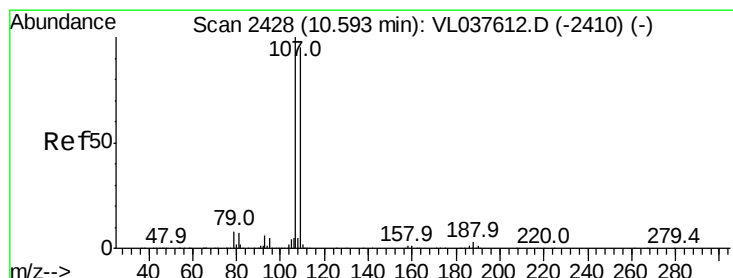
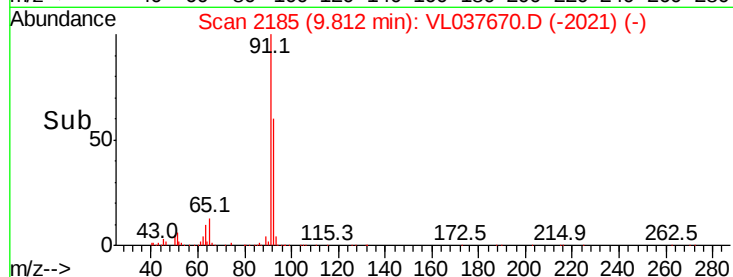
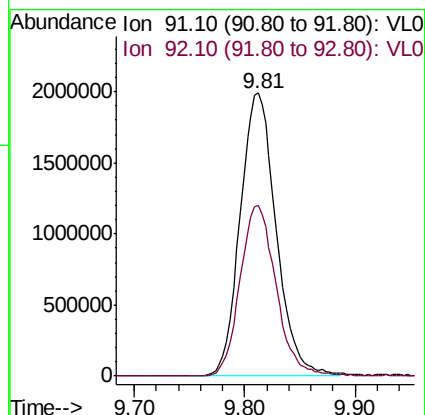
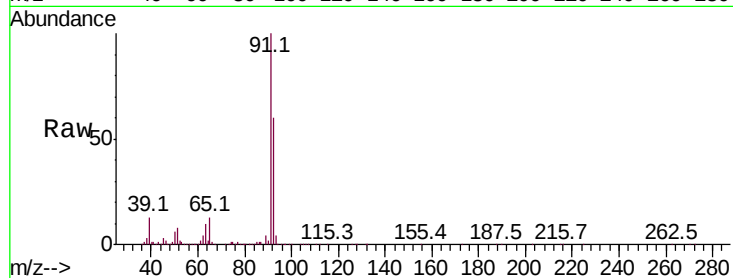
ClientSampled :

Tot Ion: 91 Resp: 4500559

Ion Ratio Lower Upper

91 100

92 60.8 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.114 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.02 min

Lab File: VL037670.D

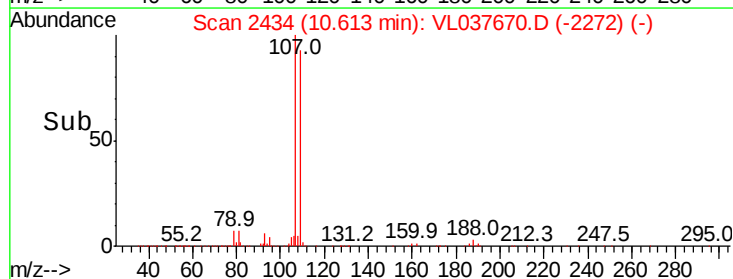
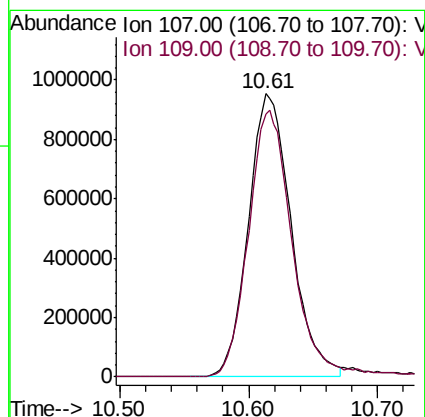
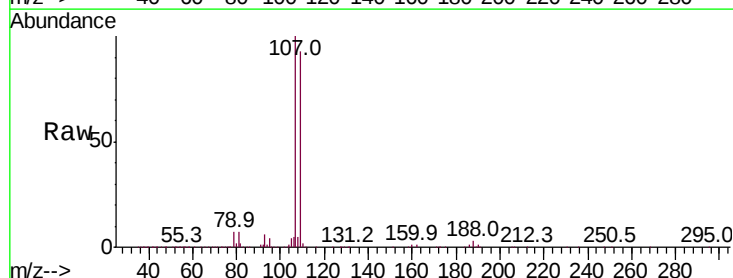
Acq: 23 Sep 2021 19:47

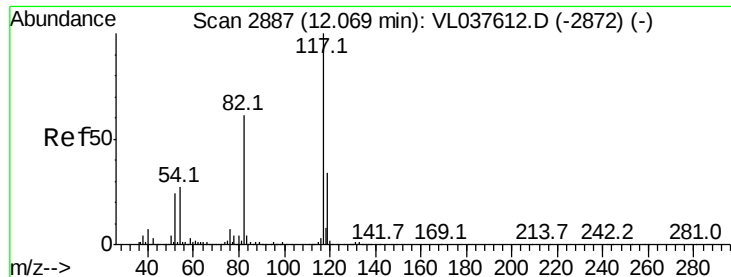
Tgt Ion: 107 Resp: 2205964

Ion Ratio Lower Upper

107 100

109 92.7 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

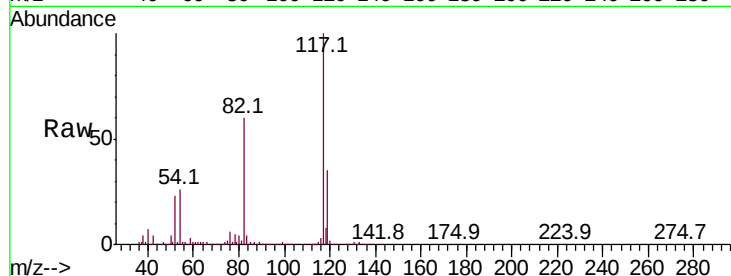
Tot Ion:117 Resp: 5564321

Ion Ratio Lower Upper

117 100

82 51.7 50.6 75.8

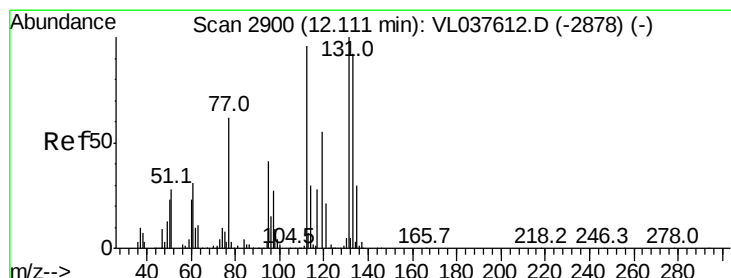
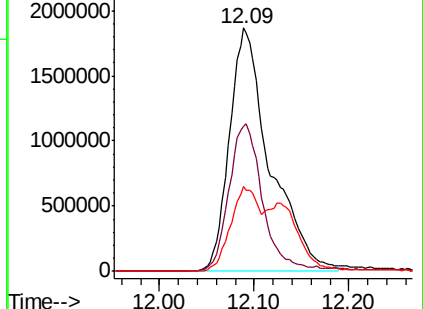
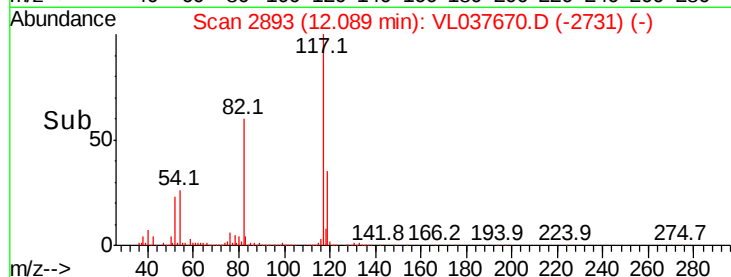
119 48.0 26.2 39.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.365 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

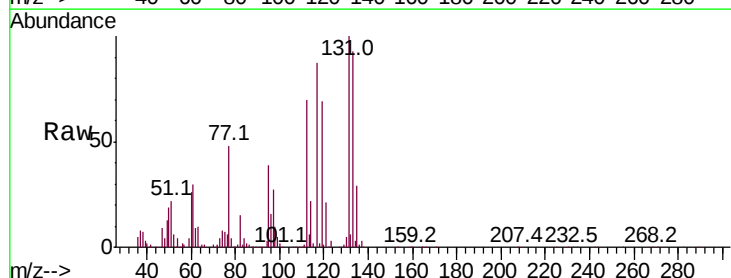
Tgt Ion:131 Resp: 1699962

Ion Ratio Lower Upper

131 100

133 97.9 76.8 115.2

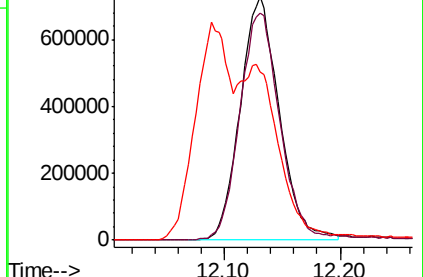
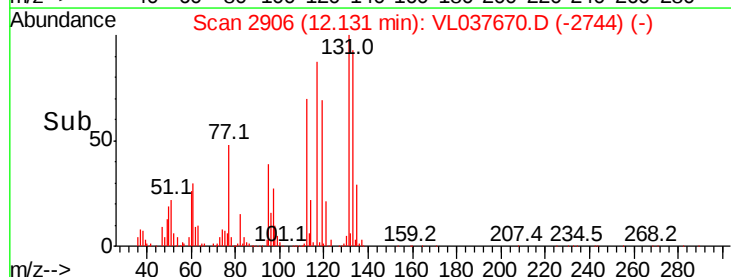
119 156.0 47.8 71.8#

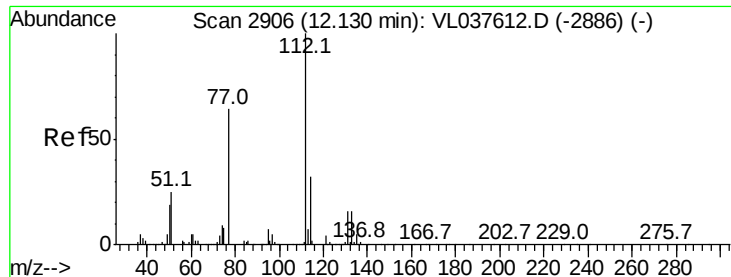


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.982 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

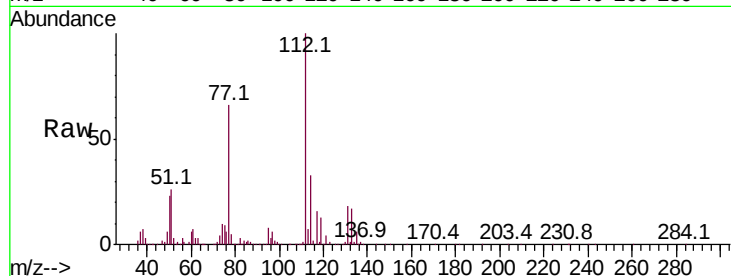
Tot Ion:112 Resp: 3229694

Ion Ratio Lower Upper

112 100

77 65.3 52.1 78.1

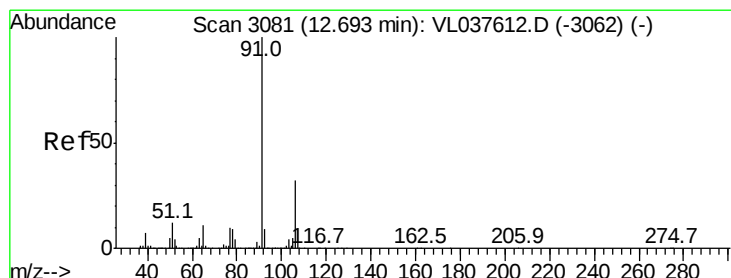
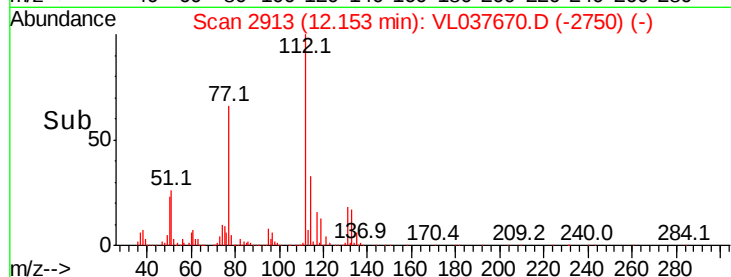
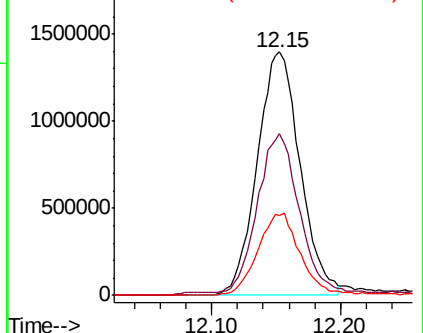
114 32.9 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.728 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.02 min

Lab File: VL037670.D

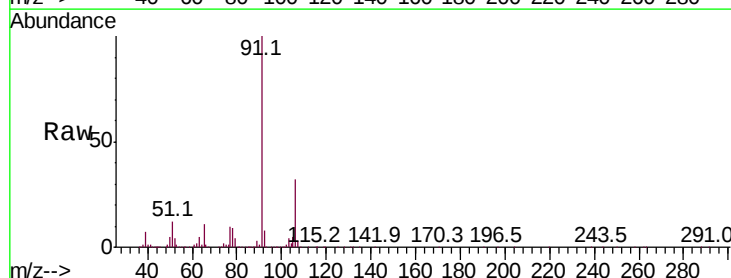
Acq: 23 Sep 2021 19:47

Tgt Ion: 91 Resp: 5708022

Ion Ratio Lower Upper

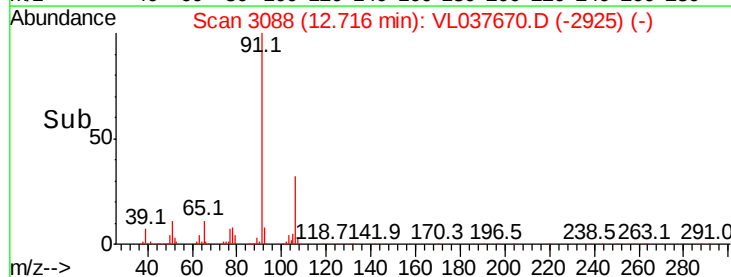
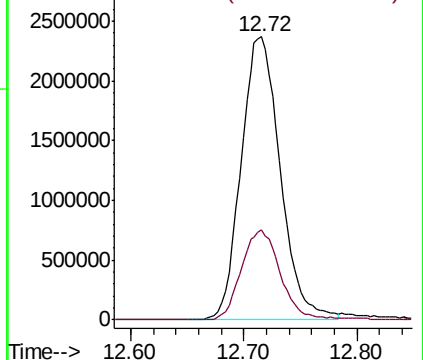
91 100

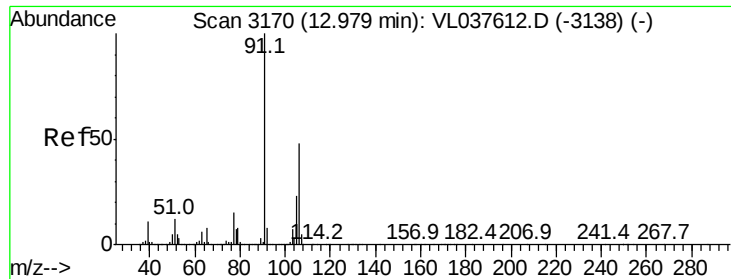
106 31.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.433 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

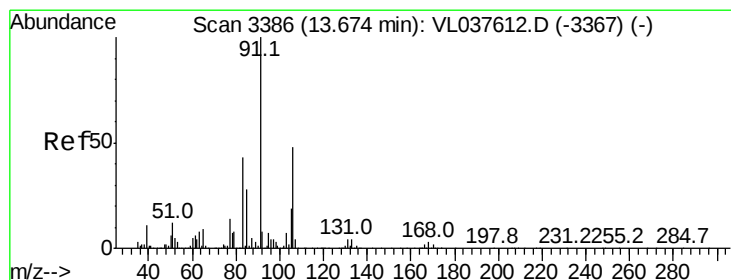
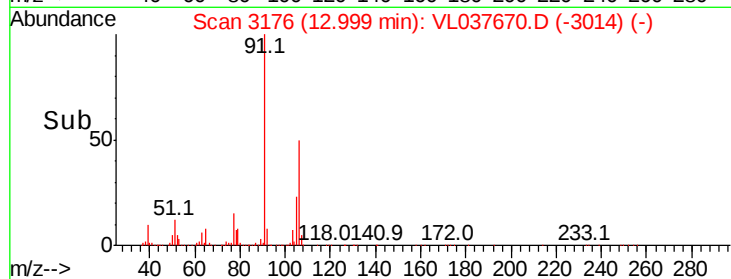
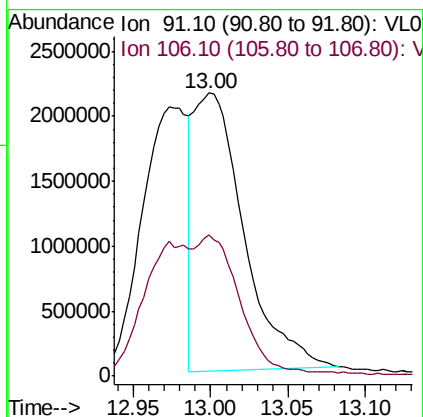
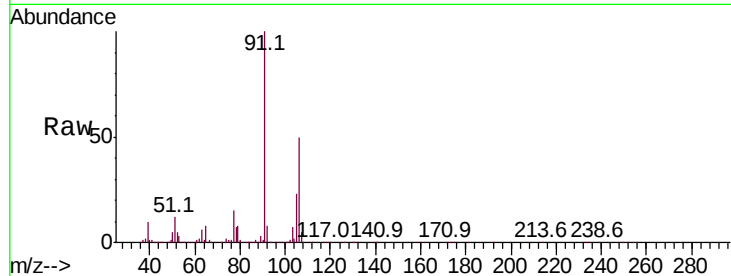
ClientSampleId :

Tot Ion: 91 Resp: 4784358

Ion Ratio Lower Upper

91 100

106 93.3 36.6 55.0#



#60

o-Xylene

Concen: 7.374 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.02 min

Lab File: VL037670.D

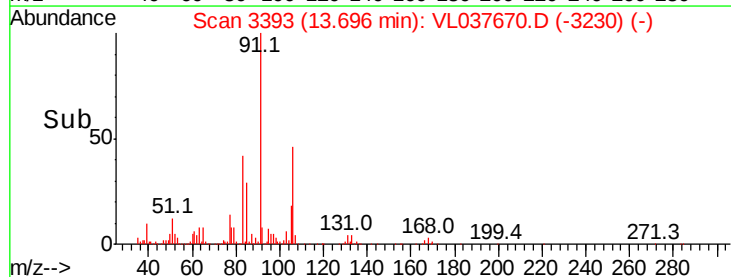
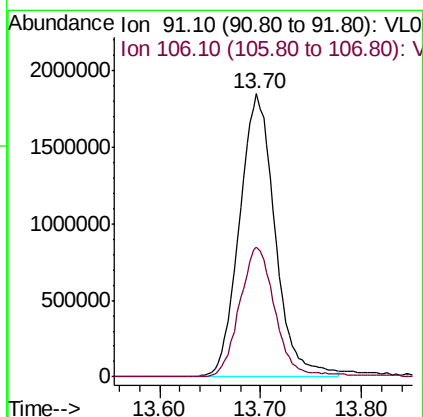
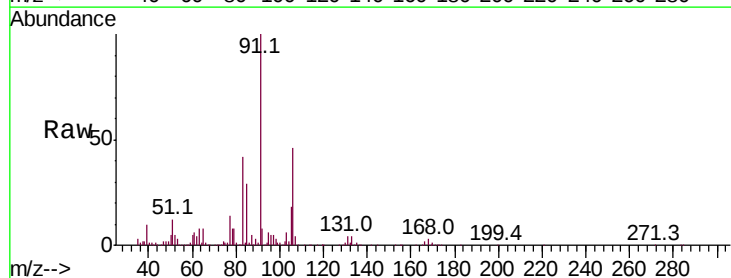
Acq: 23 Sep 2021 19:47

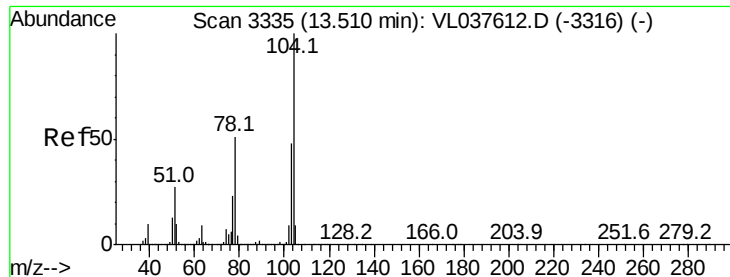
Tgt Ion: 91 Resp: 4517829

Ion Ratio Lower Upper

91 100

106 46.7 23.0 69.0

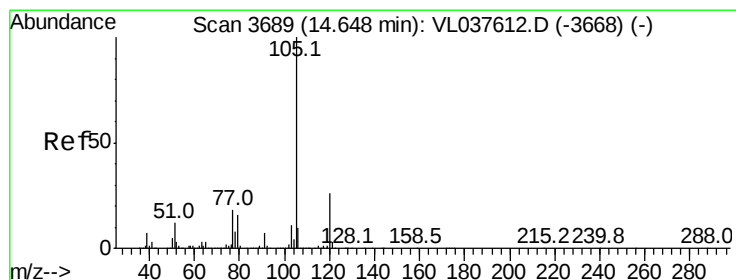
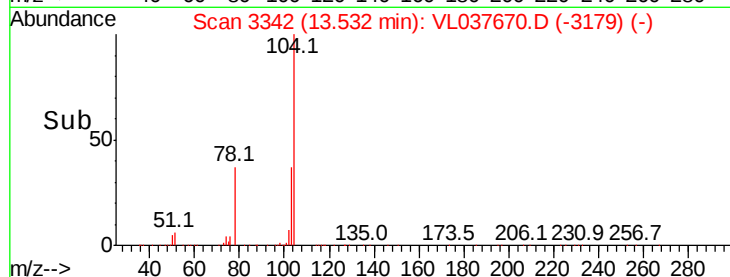
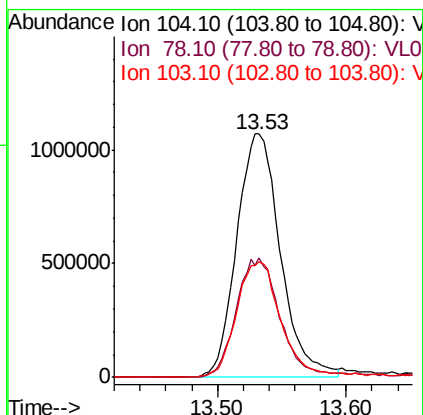
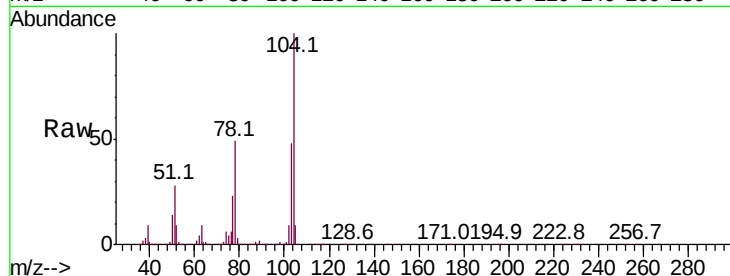




#61
Stvrene
Concen: 8.359 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

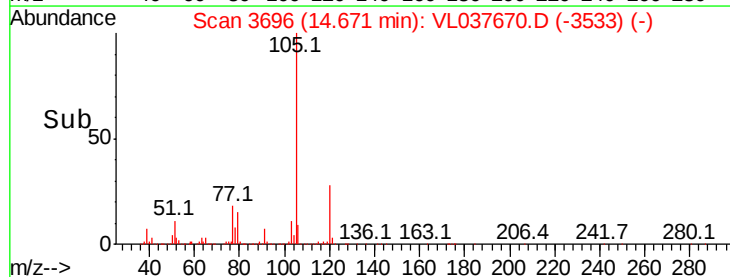
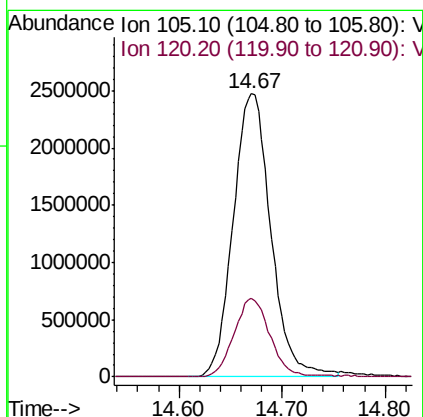
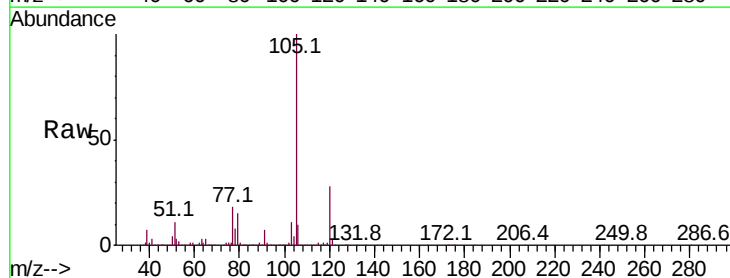
Instrument :
MSVOA_L
ClientSampleId :

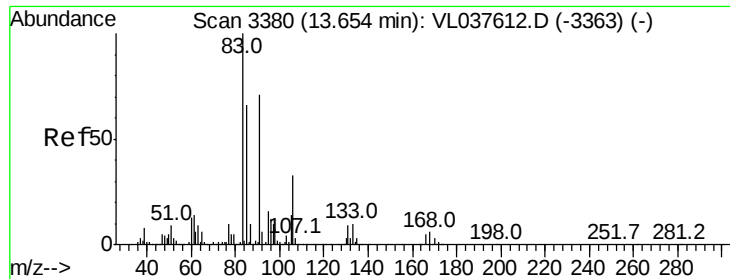
Tot Ion:104 Resp: 2525252
Ion Ratio Lower Upper
104 100
78 50.2 39.7 59.5
103 49.2 38.8 58.2



#62
Isopropylbenzene
Concen: 7.347 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion:105 Resp: 6288180
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.852 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

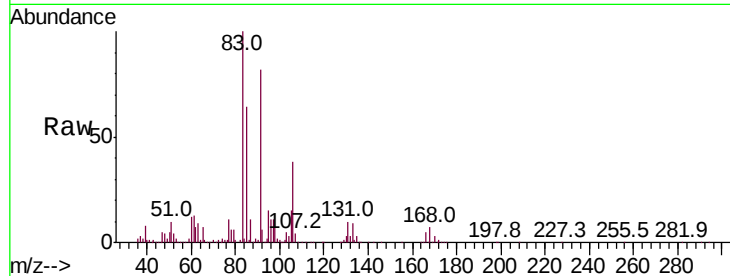
Tot Ion: 83 Resp: 3285267

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.3
85	65.7	33.3	99.9

83 100

131 9.7 5.1 15.3

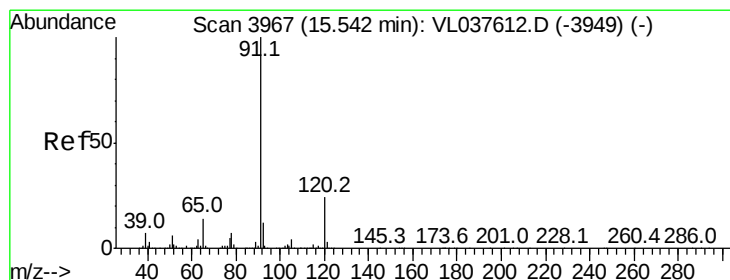
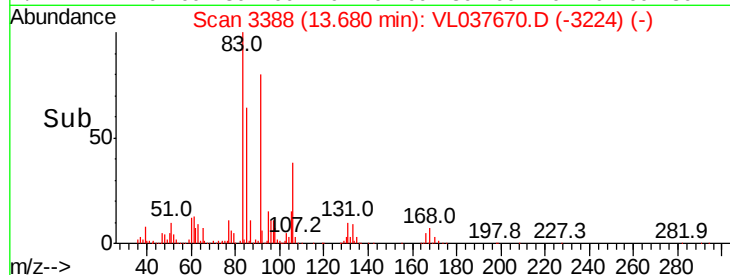
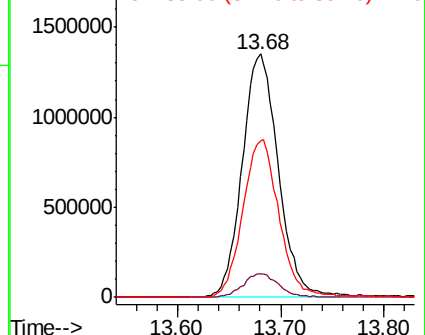
85 65.7 33.3 99.9



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: 7.726 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.02 min

Lab File: VL037670.D

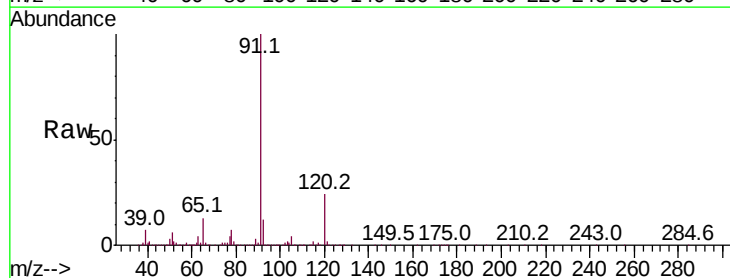
Acq: 23 Sep 2021 19:47

Tgt Ion:120 Resp: 1706419

Ion	Ratio	Lower	Upper
120	100		
91	449.2	345.0	517.4

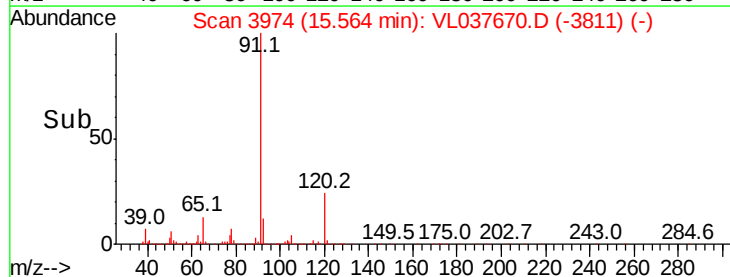
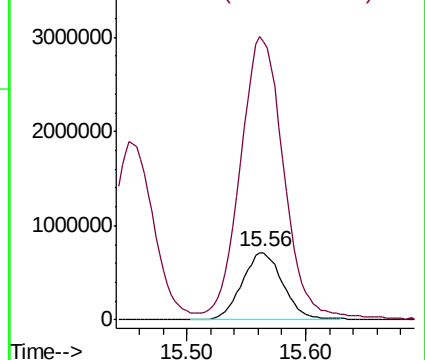
120 100

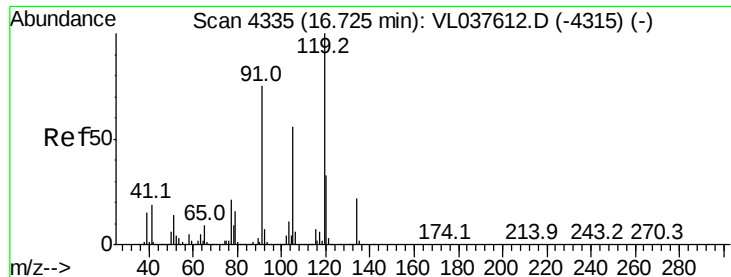
91 449.2 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.141 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

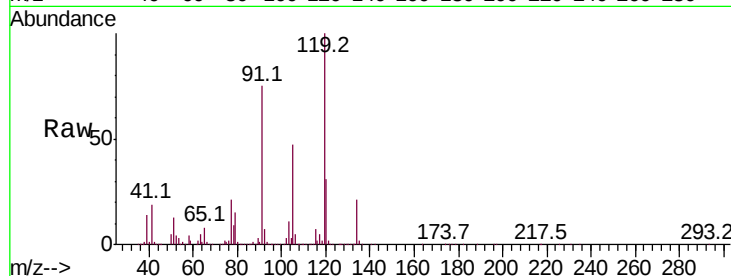
ClientSampleId :

Tot Ion:119 Resp: 5510473

Ion	Ratio	Lower	Upper
119	100		
91	77.2	61.9	92.9
134	20.7	16.5	24.7

91 77.2 61.9 92.9

134 20.7 16.5 24.7

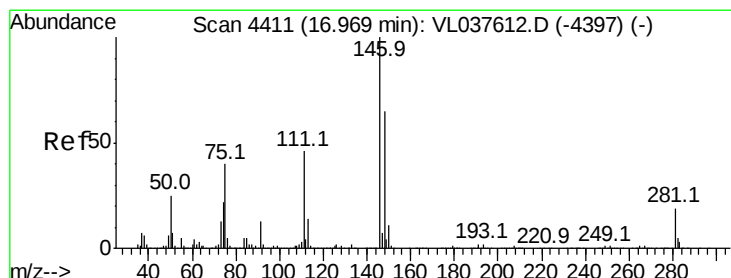
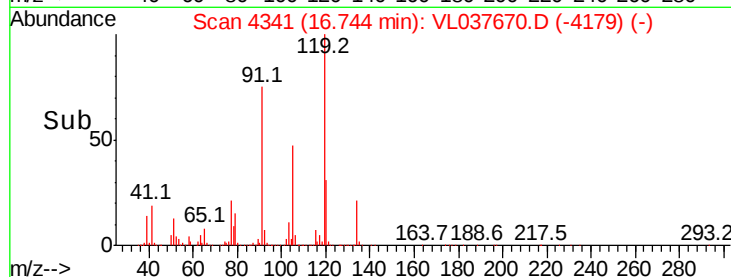


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

Time--> 16.60 16.70 16.80



#66

Benzyl Chloride

Concen: 3.336 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

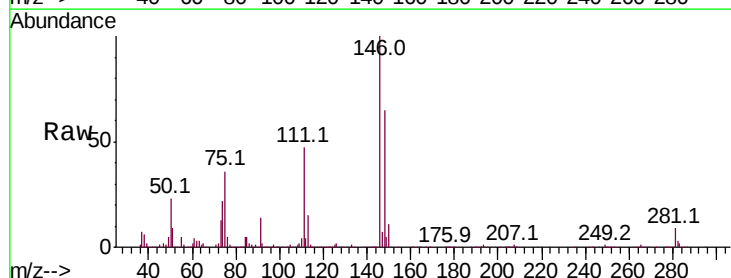
Tgt Ion: 91 Resp: 140664

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	13.1	5.7	8.5#

91 100

126 0.0 14.4 21.6#

128 13.1 5.7 8.5#

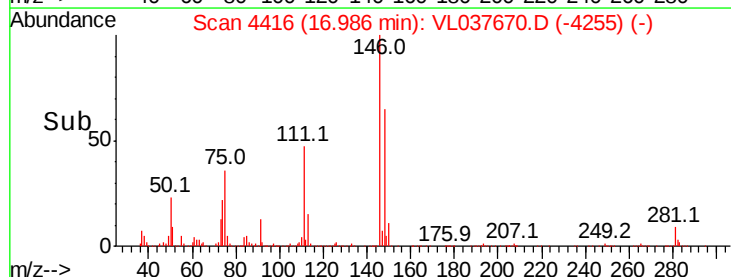


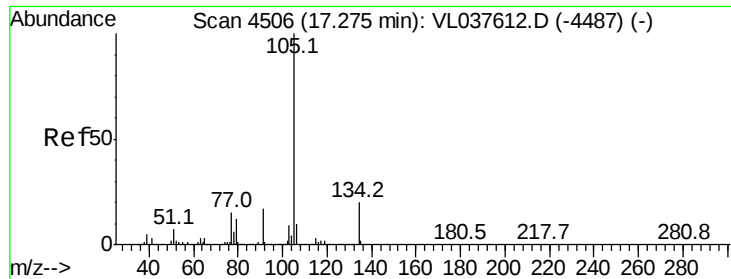
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

Time--> 16.95 17.00





#67

sec-Butylbenzene

Concen: 7.309 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

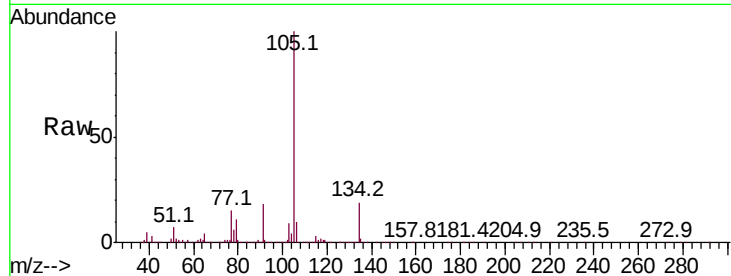
ClientSampleId :

Tot Ion:105 Resp: 7652384

Ion Ratio Lower Upper

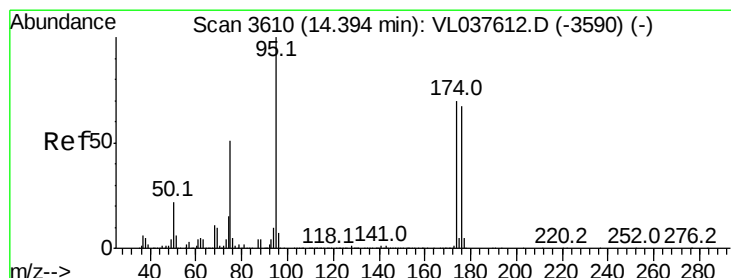
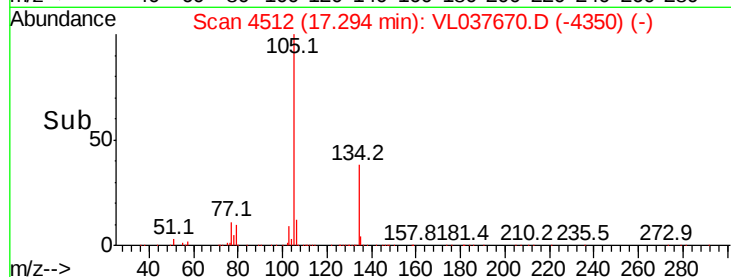
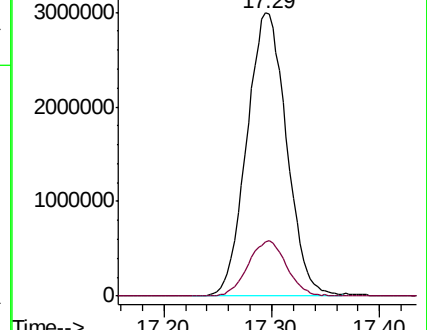
105 100

134 19.2 15.7 23.5



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: 8.200 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

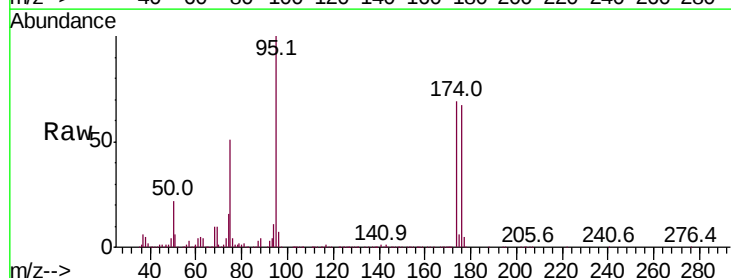
Tgt Ion: 95 Resp: 3297408

Ion Ratio Lower Upper

95 100

174 74.6 56.3 84.5

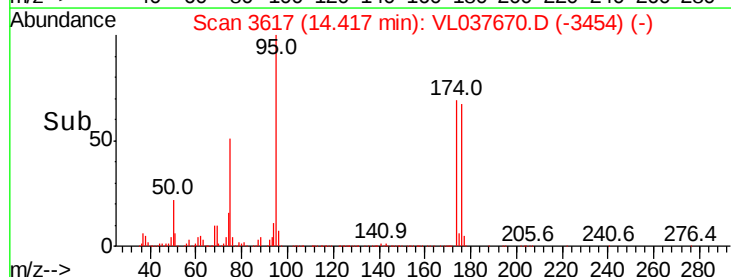
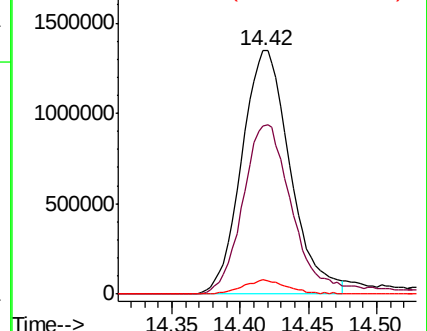
175 5.7 4.4 6.6

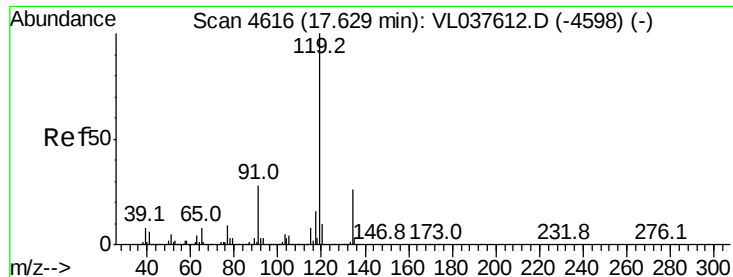


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



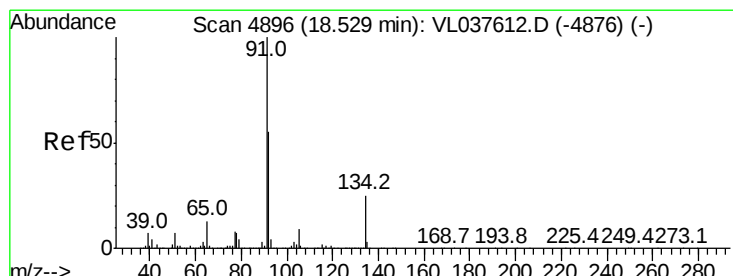
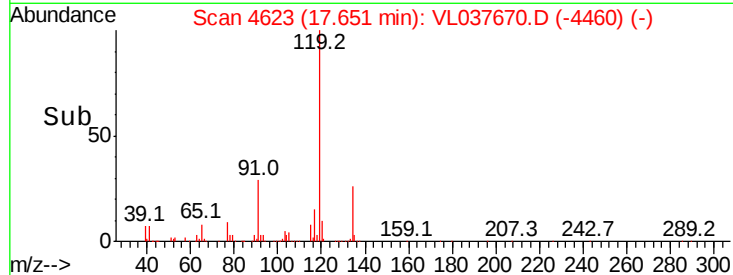
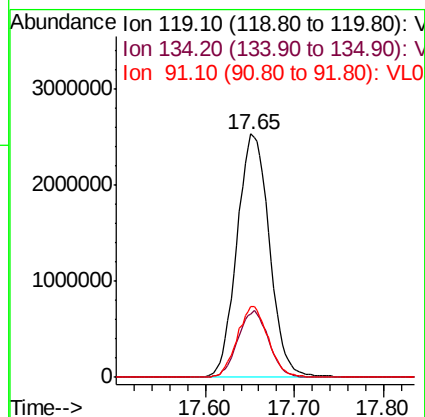
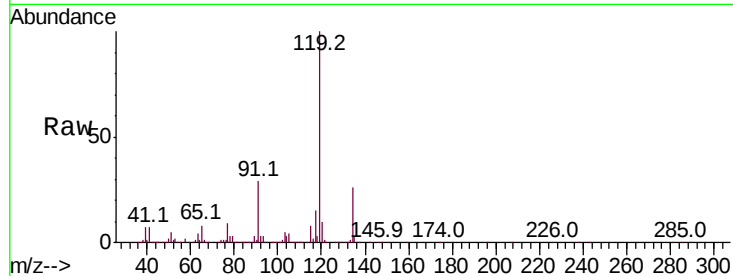


#69
 p-Isopropyltoluene
 Concen: 7.463 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6383642

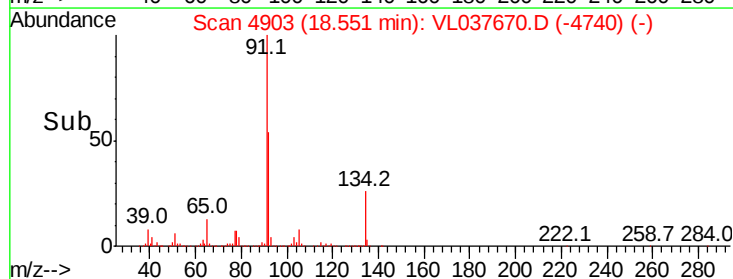
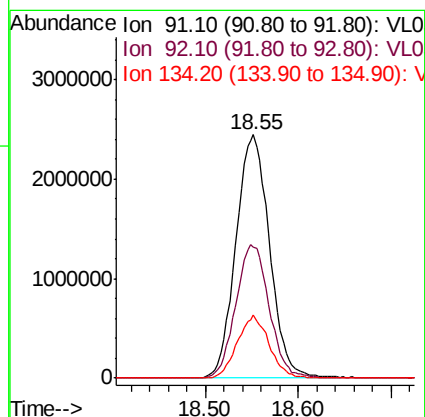
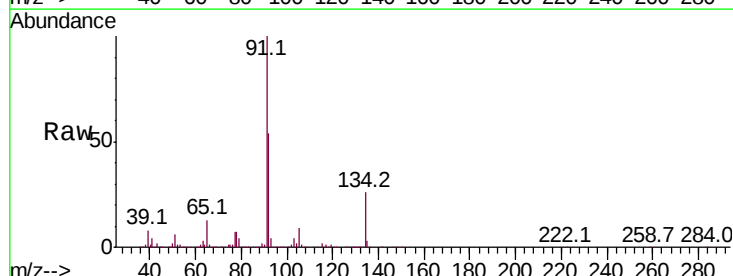
Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	27.9	22.2	33.2

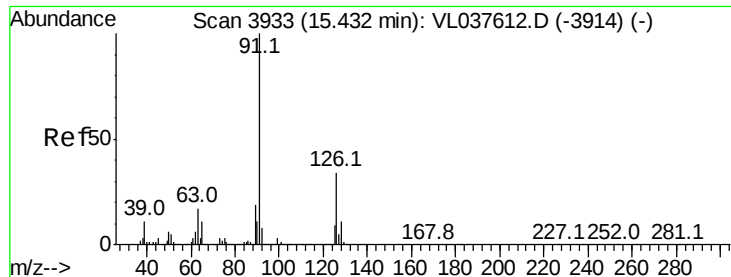


#70
 n-Butylbenzene
 Concen: 7.607 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 91 Resp: 6156542

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	24.6	19.5	29.3





#71

2-Chlorotoluene

Concen: 7.506 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

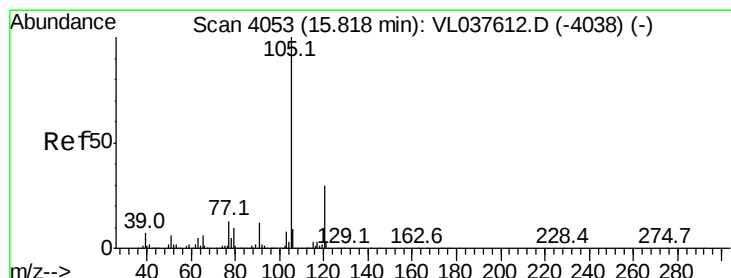
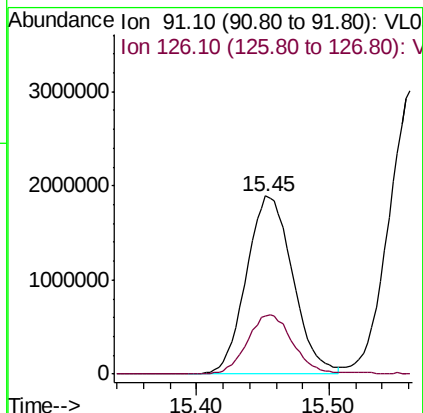
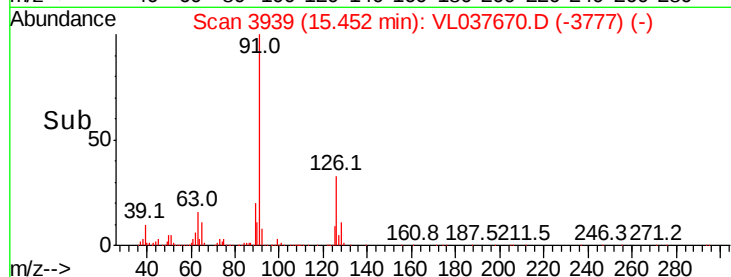
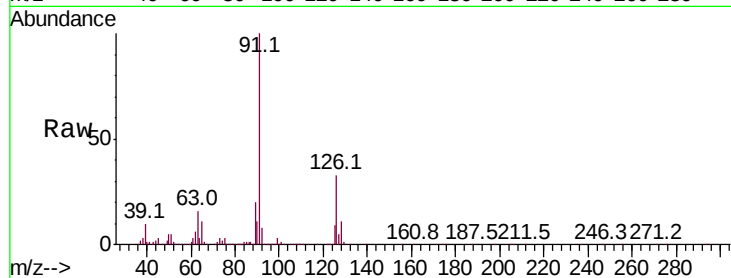
ClientSampleId :

Tot Ion: 91 Resp: 4603589

Ion Ratio Lower Upper

91 100

126 33.9 13.2 52.8



#72

4-Ethyltoluene

Concen: 7.667 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 105 Resp: 5392110

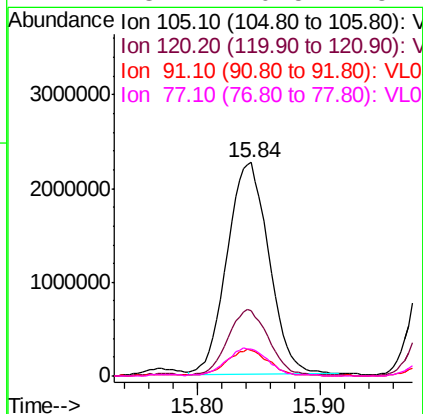
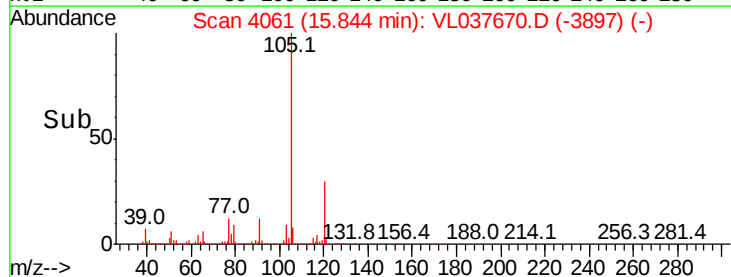
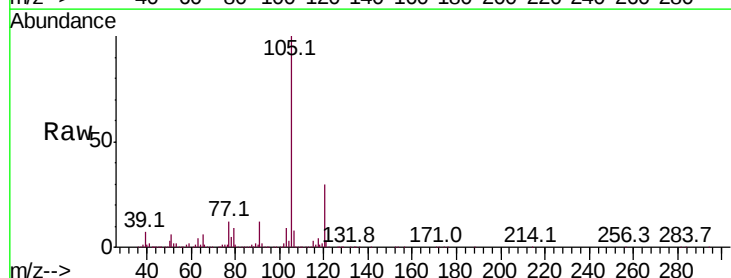
Ion Ratio Lower Upper

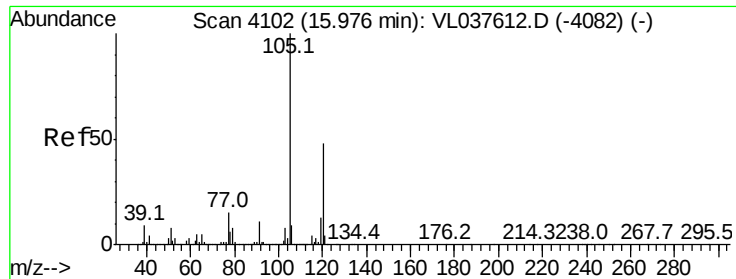
105 100

120 31.1 24.7 37.1

91 12.1 9.9 14.9

77 13.2 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 7.478 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

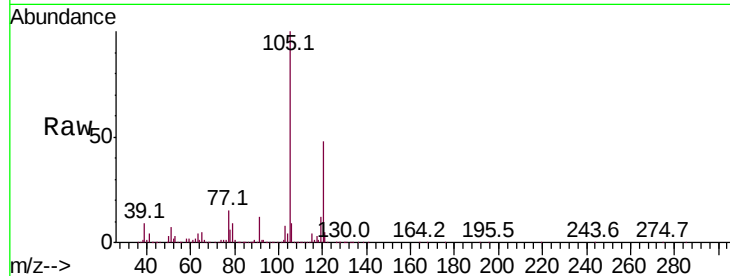
ClientSampleId :

Tot Ion:105 Resp: 4901813

Ion Ratio Lower Upper

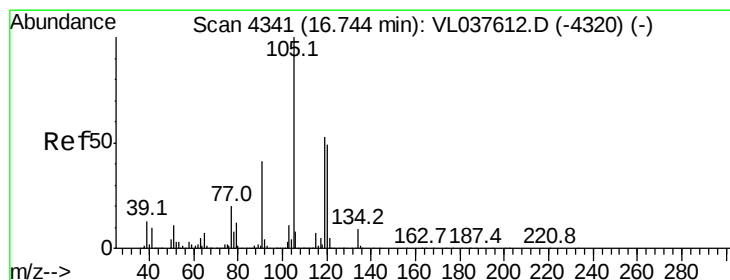
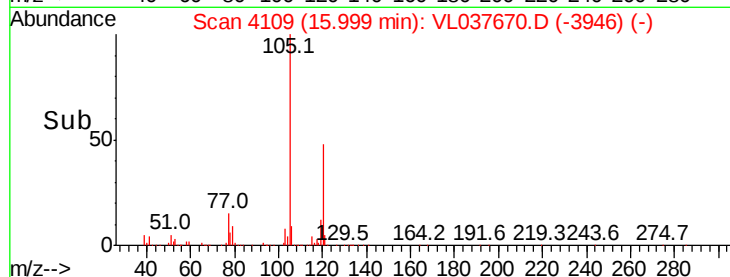
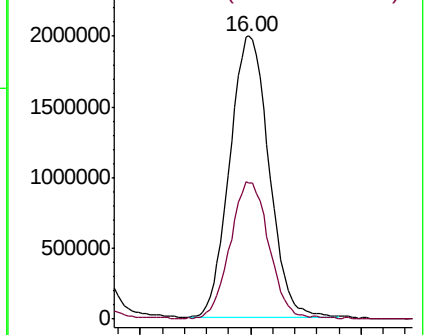
105 100

120 48.2 38.3 57.5



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: 7.206 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion:105 Resp: 4975171

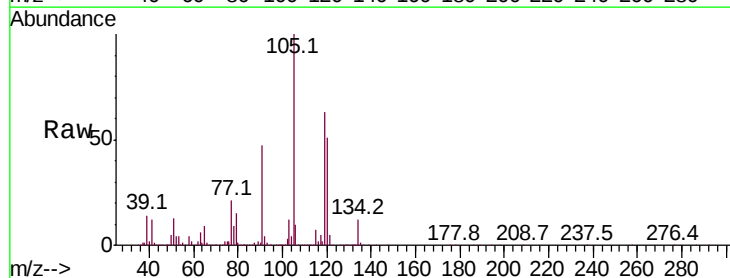
Ion Ratio Lower Upper

105 100

120 51.3 39.4 59.0

91 46.3 33.3 49.9

77 21.1 15.7 23.5

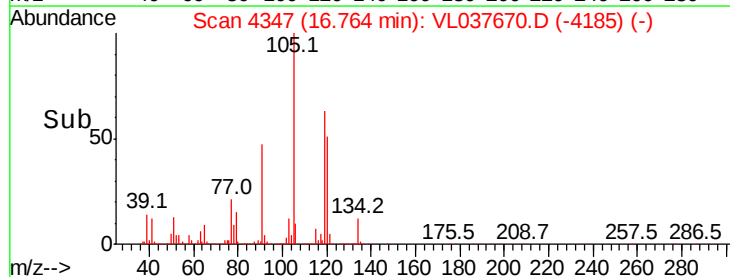
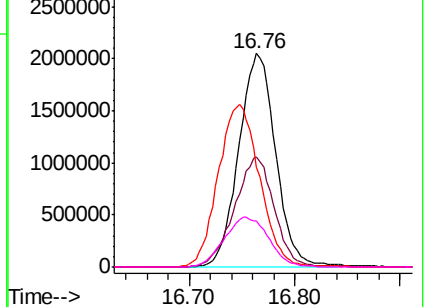


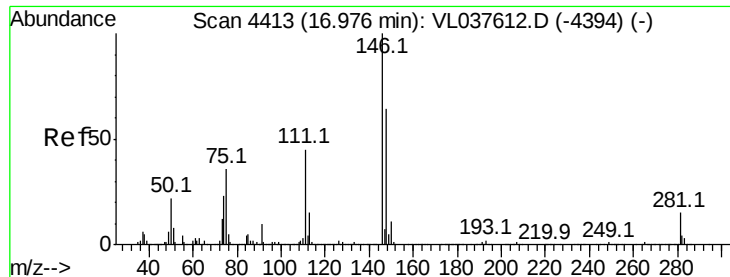
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.142 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

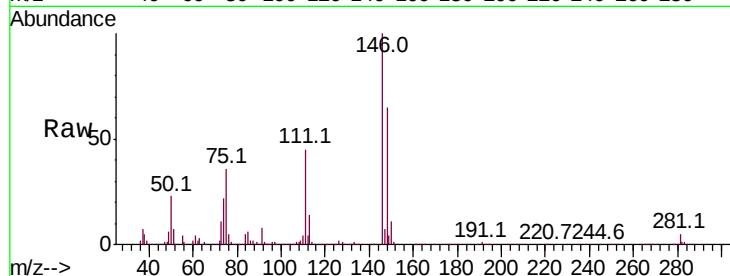
Tot Ion:146 Resp: 3063990

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.3

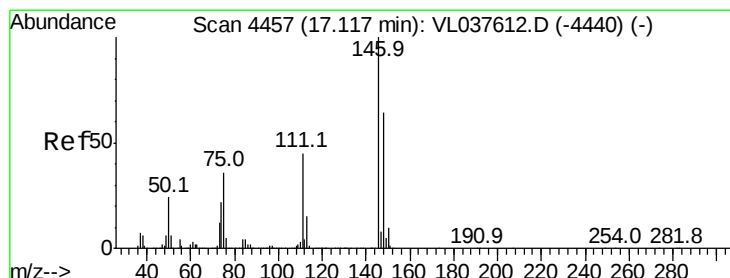
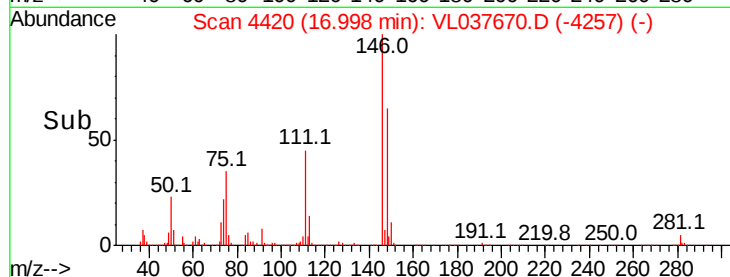
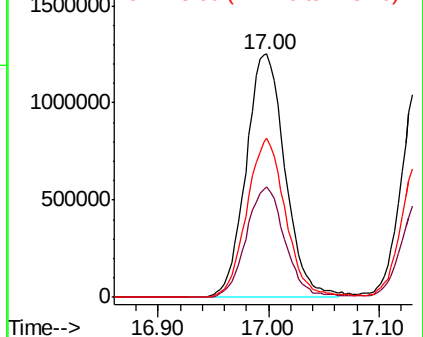
148 65.0 32.1 96.5



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



#76

1,4-Dichlorobenzene

Concen: 6.833 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

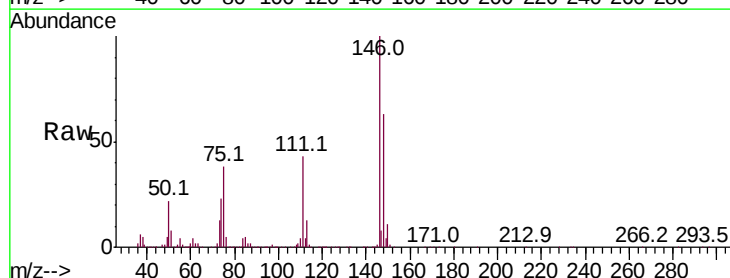
Tgt Ion:146 Resp: 2891156

Ion Ratio Lower Upper

146 100

111 46.6 22.5 67.5

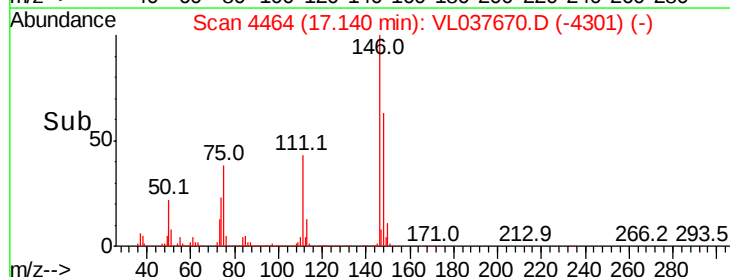
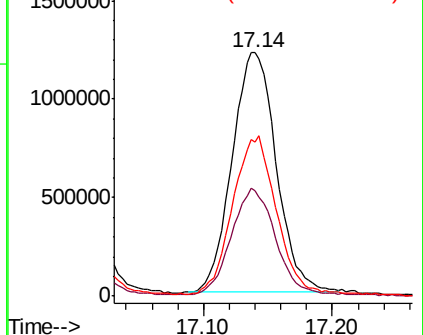
148 68.1 32.9 98.6

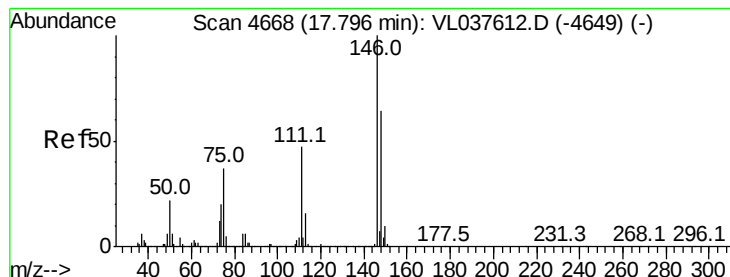


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.168 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

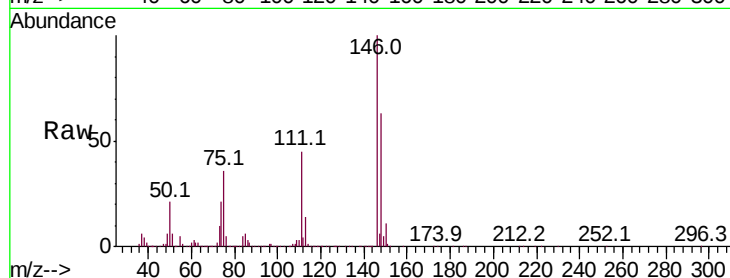
Tot Ion:146 Resp: 2916353

Ion Ratio Lower Upper

146 100

111 47.4 24.0 72.0

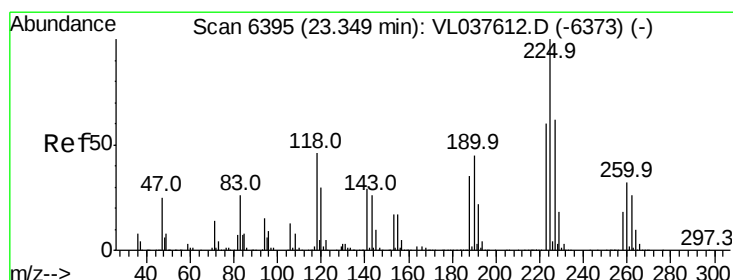
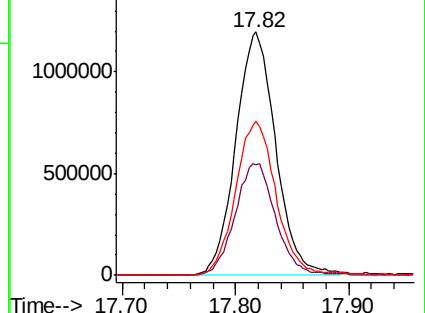
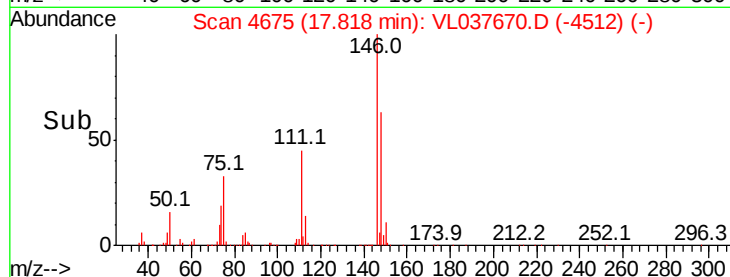
148 65.4 32.8 98.3



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: 6.278 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

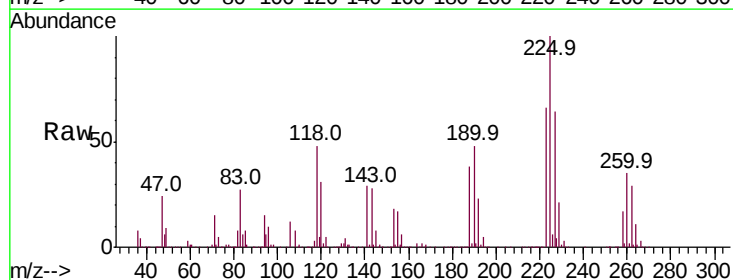
Tgt Ion:225 Resp: 2149995

Ion Ratio Lower Upper

225 100

223 63.3 51.1 76.7

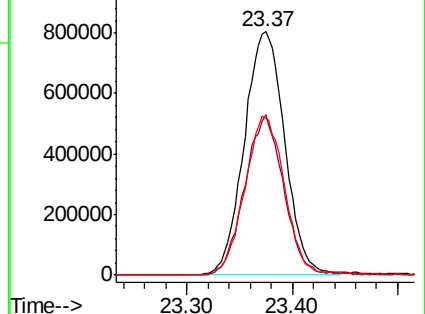
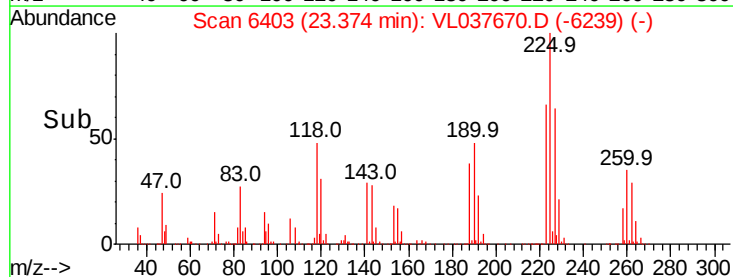
227 64.4 52.2 78.4

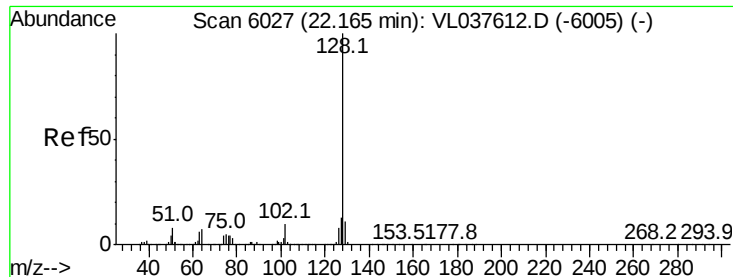


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.530 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

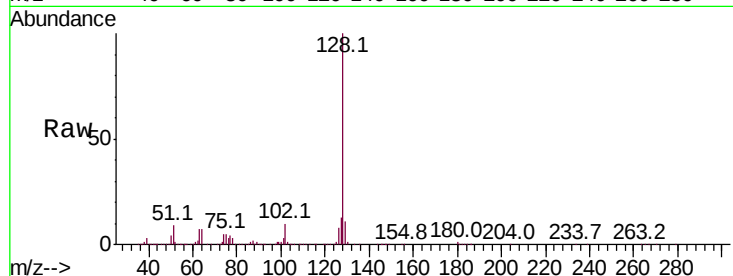
Tot Ion:128 Resp: 3616149

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

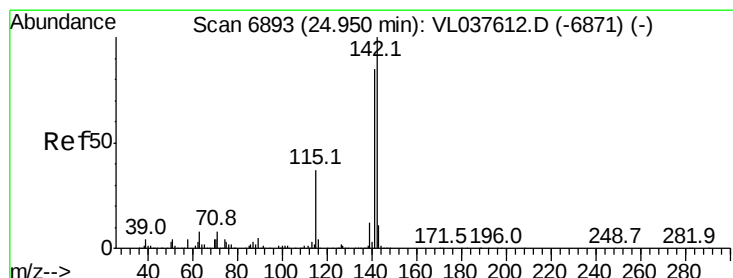
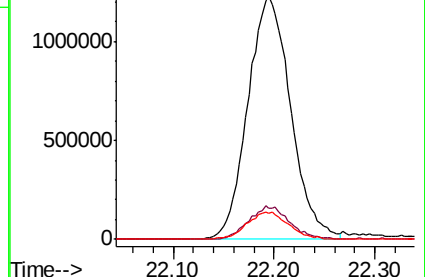
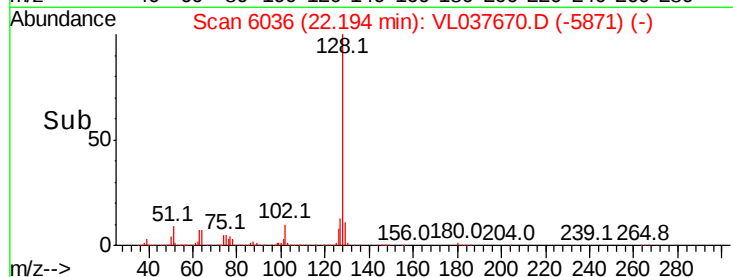
129 10.9 8.6 12.8



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: 9.757 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

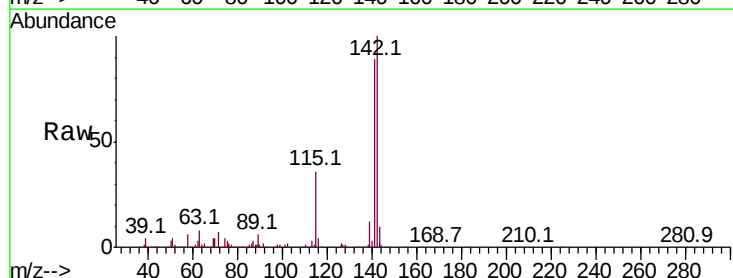
Tgt Ion:142 Resp: 945484

Ion Ratio Lower Upper

142 100

141 83.5 70.9 106.3

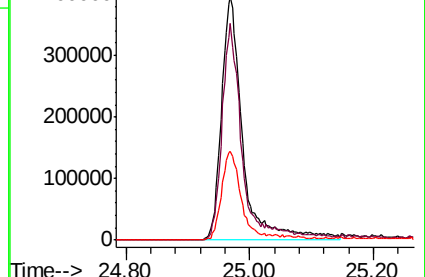
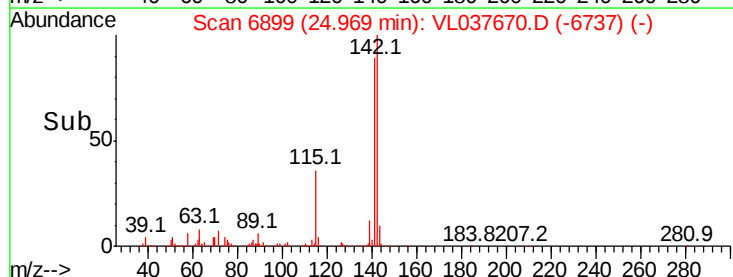
115 36.0 29.6 44.4

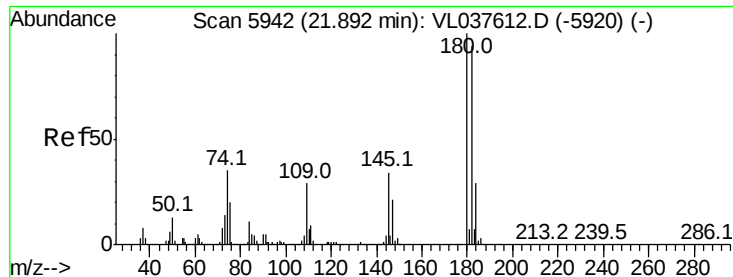


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

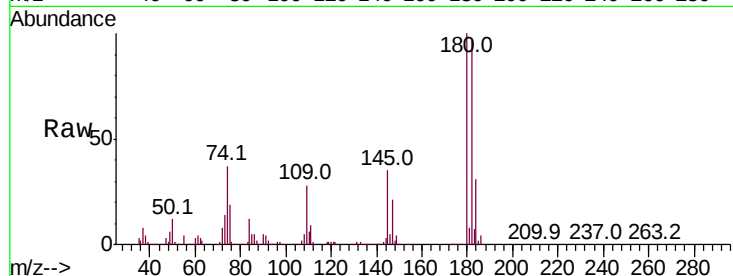




#81
 1,2,4-Trichlorobenzene
 Concen: 7.867 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2141313
 Ion Ratio Lower Upper
 180 100
 182 96.6 78.9 118.3
 184 31.1 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

