

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037464.D
 Acq On : 16 Aug 2021 16:44
 Operator : SY/AP
 Sample : VL0816ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 02:21:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1524644	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4461302	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	5046329	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3005061	8.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1946867	7.958	ppbv	96
3) Chlorodifluoromethane	2.98	51	2594824	8.888	ppbv	99
4) Chloromethane	3.13	50	921360	8.831	ppbv	92
5) Vinyl Chloride	3.25	62	956633	8.950	ppbv	96
6) Bromomethane	3.47	94	472225	8.065	ppbv	99
7) Chloroethane	3.55	64	329096	9.021	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2210426	8.753	ppbv	99
9) Propene	3.00	41	925184	8.857	ppbv	99
10) Heptane	8.11	43	2302165	9.575	ppbv	98
11) Trichlorofluoromethane	3.94	101	2060376	8.973	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1594560	9.463	ppbv	98
13) Ethanol	3.60	45	68479	6.737	ppbv #	64
14) Bromoethene	3.73	108	689592	9.015	ppbv	97
15) Acetone	3.84	43	1170191	7.542	ppbv	97
16) 1,3-Butadiene	3.32	39	949708	9.542	ppbv	98
17) tert-Butyl alcohol	4.28	59	1407363	9.929	ppbv	100
18) 1,1-Dichloroethene	4.28	96	691933	9.040	ppbv	99
19) Isopropyl Alcohol	3.96	45	818151	9.204	ppbv #	1
20) Methylene Chloride	4.33	84	622672	8.015	ppbv	93
21) Allyl Chloride	4.40	41	1135362	9.009	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	731777	9.583	ppbv	97
23) Vinyl Acetate	5.06	43	1892988	8.277	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1509265	9.099	ppbv	99
25) Ethyl Acetate	5.66	43	3594426	9.125	ppbv	99
26) Hexane	5.67	57	1695500	8.804	ppbv	100
27) Carbon Disulfide	4.54	76	1796598	10.468	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1577227	8.527	ppbv	99
29) Chloroform	5.74	83	2433029	8.914	ppbv	99
30) Cyclohexane	7.12	84	1460592	9.102	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1641124	9.415	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2412809	8.997	ppbv	98
34) 2-Butanone	5.23	43	1478866	8.118	ppbv	98
35) Carbon Tetrachloride	7.01	117	2557040	9.698	ppbv	99
36) Benzene	6.88	78	3596927	9.591	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1784869	9.608	ppbv	99
38) Trichloroethene	7.82	130	1408618	9.154	ppbv	94
39) 1,2-Dichloropropane	7.60	63	1382714	9.595	ppbv	97
40) 1,4-Dioxane	7.83	88	188432	5.337	ppbv #	100
41) Tetrahydrofuran	6.04	42	853188	9.722	ppbv	99
42) Bromodichloromethane	7.78	83	2676498	9.853	ppbv	96
43) Methyl Methacrylate	8.00	69	1294953	9.907	ppbv	99

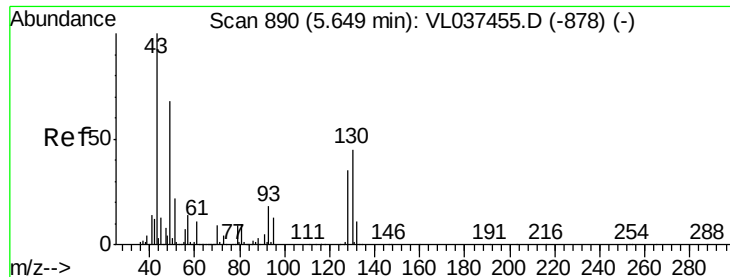
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037464.D
 Acq On : 16 Aug 2021 16:44
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5899129	9.346	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	883379	8.977	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1181018	8.604	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1447476	9.296	ppbv	94
48) Dibromochloromethane	10.29	129	2339172	10.439	ppbv	99
49) Bromoform	13.02	173	1898018	10.745	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2396916	10.085	ppbv	98
51) 2-Hexanone	10.12	43	1127134	10.310	ppbv #	100
52) Tetrachloroethene	11.21	164	1337592	8.704	ppbv	97
53) Toluene	9.79	91	4160509	9.716	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2053099	9.445	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	1609203	7.653	ppbv	100
57) Chlorobenzene	12.13	112	3010465	7.189	ppbv	97
58) Ethyl Benzene	12.69	91	5328712	7.609	ppbv	99
59) m/p-Xylene	12.98	91	4977654	8.199	ppbv #	43
60) o-Xylene	13.68	91	4119598	7.270	ppbv	99
61) Styrene	13.51	104	2405047	8.171	ppbv	99
62) Isopropylbenzene	14.65	105	5895936	7.373	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3085645	7.327	ppbv	98
64) n-propylbenzene	15.54	120	819011	4.024	ppbv	74
65) tert-Butylbenzene	16.73	119	5301020	7.278	ppbv	100
66) Benzyl Chloride	16.97	91	255733	7.762	ppbv	98
67) sec-Butylbenzene	17.27	105	7377184	7.249	ppbv	99
69) p-Isopropyltoluene	17.64	119	6279572	7.572	ppbv	100
70) n-Butylbenzene	18.53	91	6119058	7.721	ppbv	100
71) 2-Chlorotoluene	15.43	91	4382359	7.473	ppbv	100
72) 4-Ethyltoluene	15.82	105	5167607	7.667	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4802411	7.655	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4795815	7.194	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2947403	7.345	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2877492	7.118	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2870953	7.265	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2179730	6.635	ppbv	100
79) Naphthalene	22.18	128	1521121	3.410	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	921290	7.412	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2203603	7.871	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :

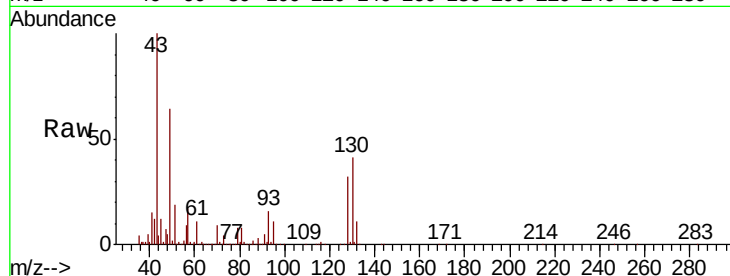
Tot Ion: 49 Resp: 1524644

Ion Ratio Lower Upper

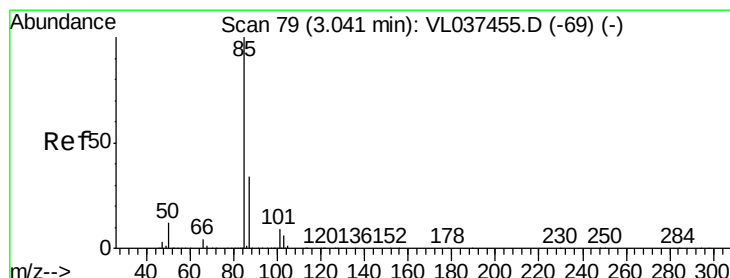
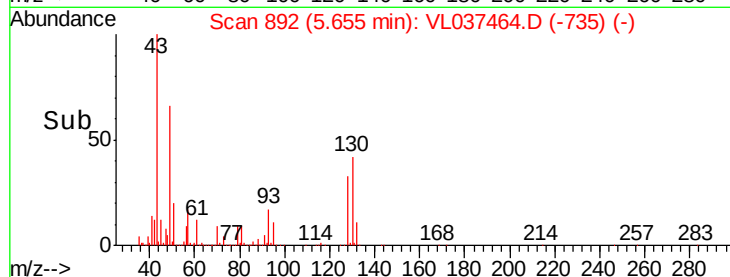
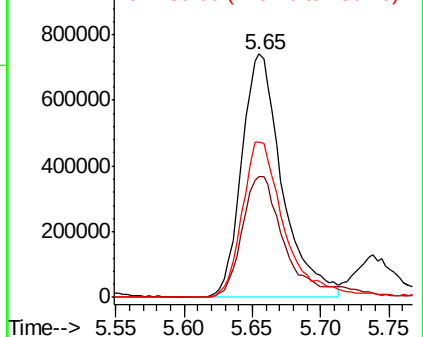
49 100

128 55.0 27.5 82.4

130 68.1 34.0 101.8



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: 7.958 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037464.D

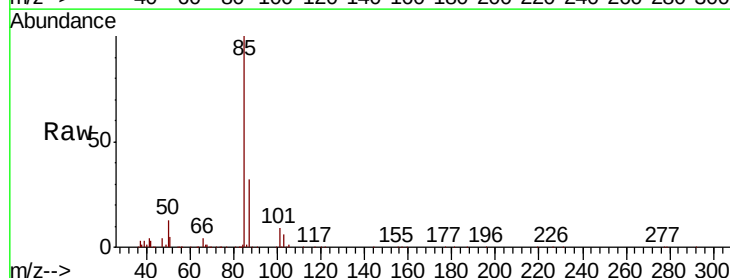
Acq: 16 Aug 2021 16:44

Tgt Ion: 85 Resp: 1946867

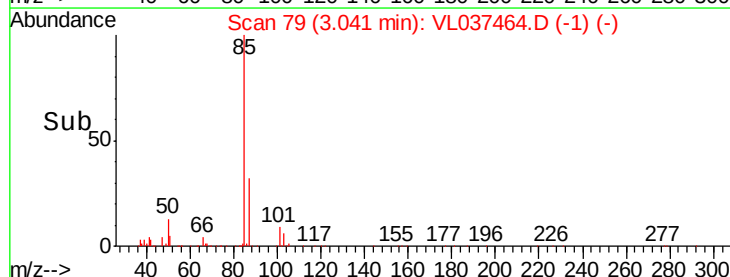
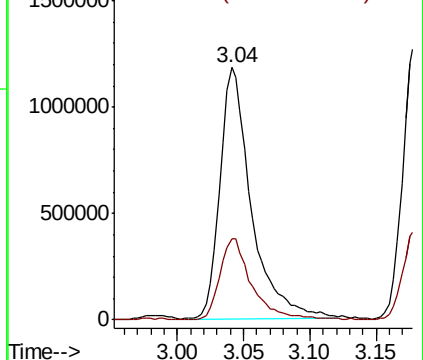
Ion Ratio Lower Upper

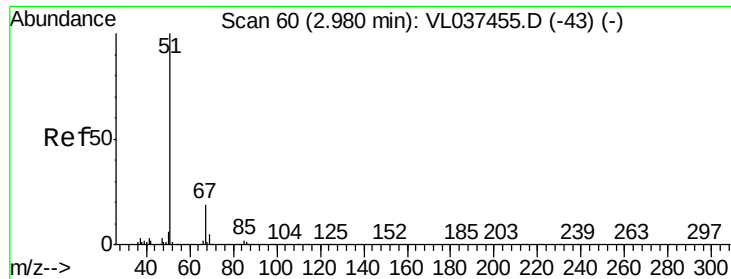
85 100

87 32.0 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

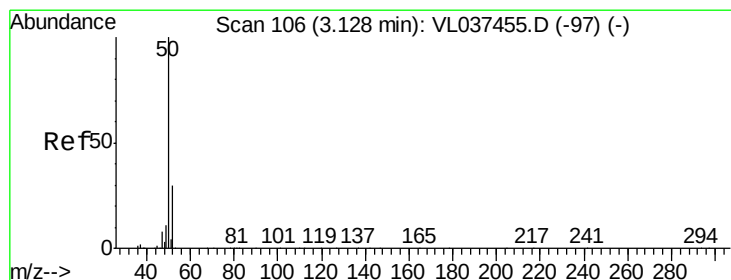
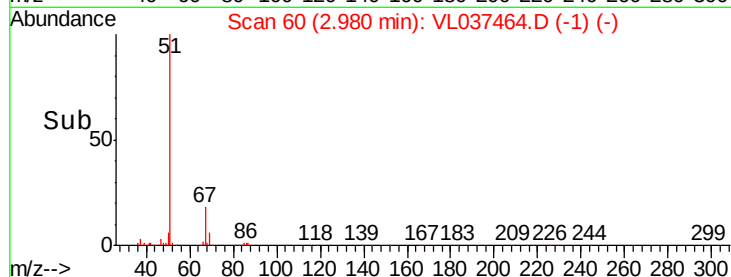
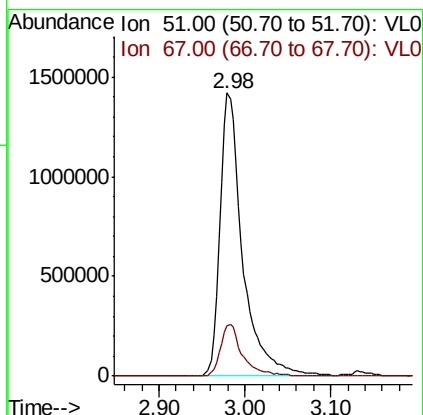
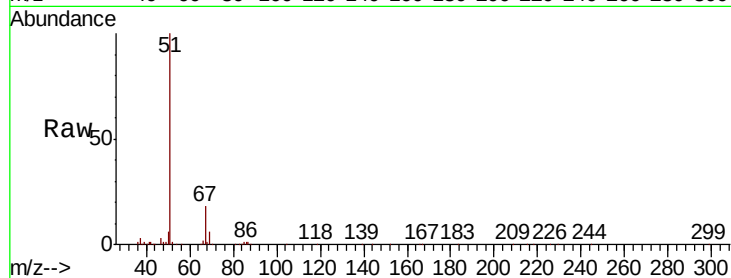




#3
Chlorodifluoromethane
Concen: 8.888 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

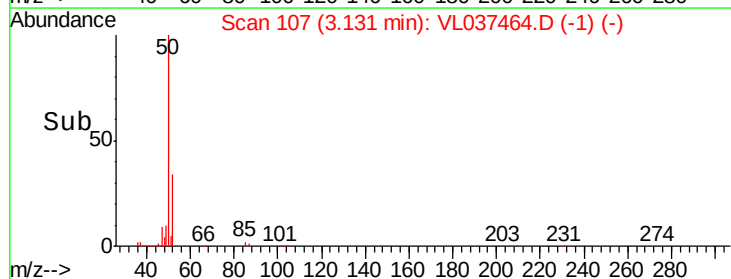
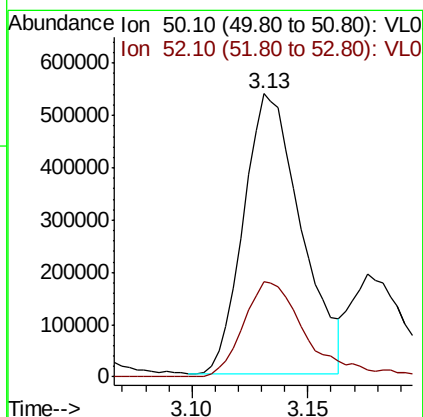
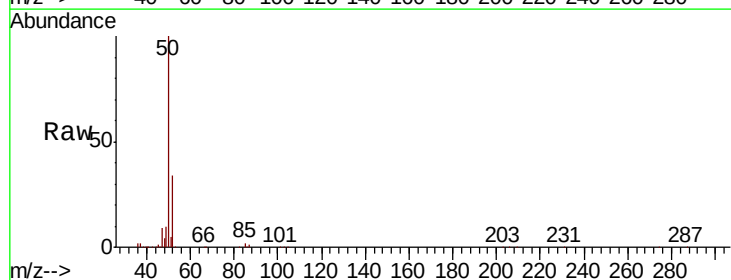
Instrument :
MSVOA_L
ClientSampleId :

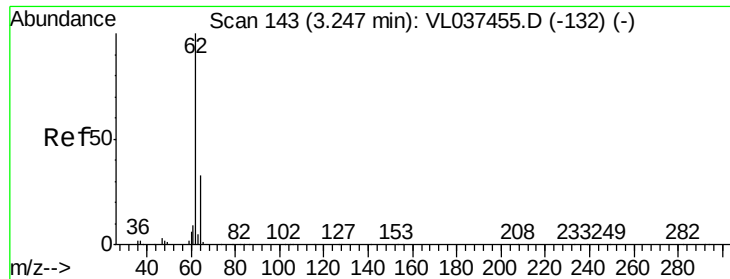
Tot Ion: 51 Resp: 2594824
Ion Ratio Lower Upper
51 100
67 18.0 14.2 21.2



#4
Chloromethane
Concen: 8.831 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 50 Resp: 921360
Ion Ratio Lower Upper
50 100
52 34.2 24.0 36.0





#5

Vinyl Chloride

Concen: 8.950 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

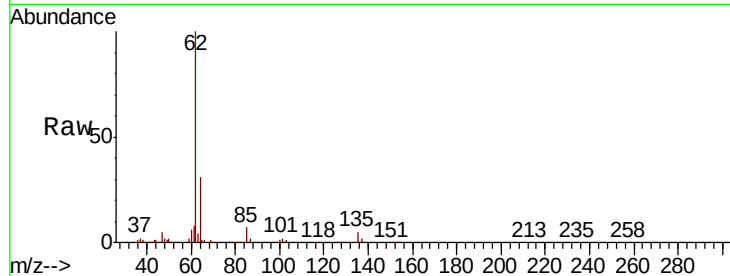
ClientSampleId :

Tot Ion: 62 Resp: 956633

Ion Ratio Lower Upper

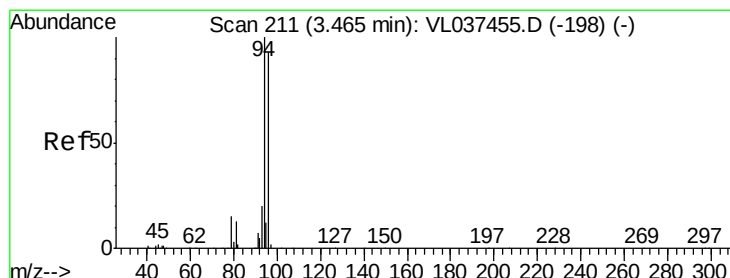
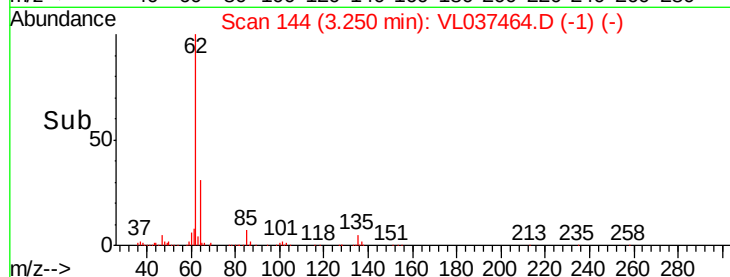
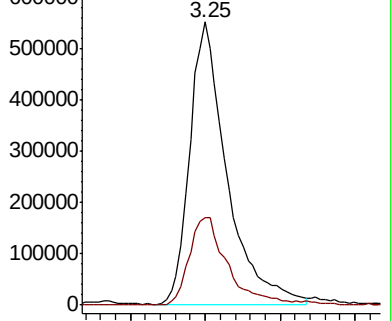
62 100

64 31.0 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.065 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037464.D

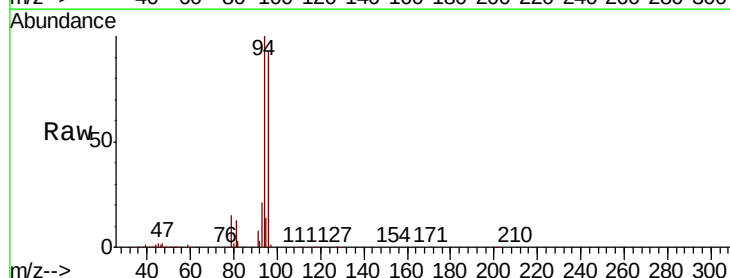
Acq: 16 Aug 2021 16:44

Tgt Ion: 94 Resp: 472225

Ion Ratio Lower Upper

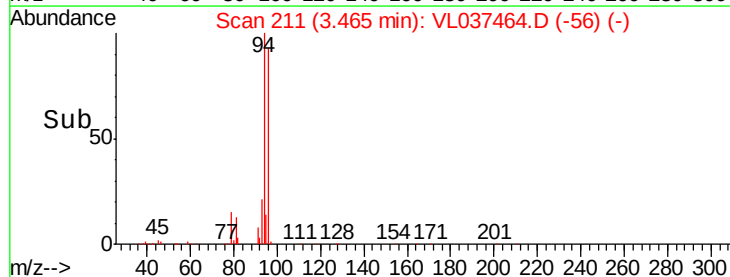
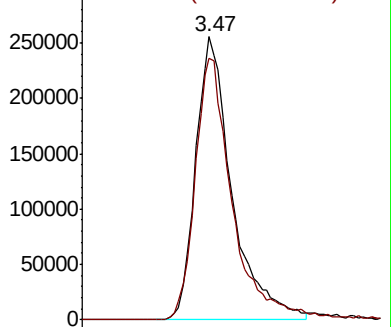
94 100

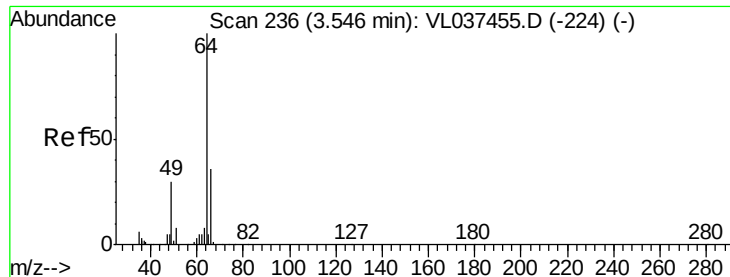
96 92.6 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.021 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

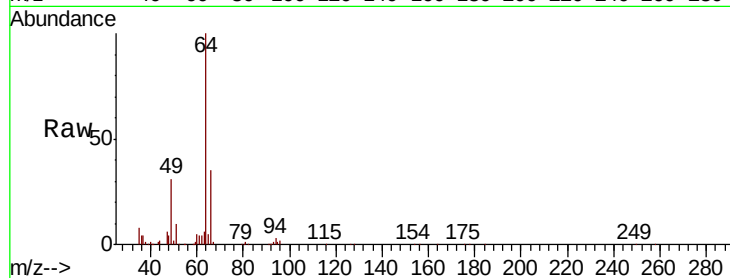
ClientSampleId :

Tot Ion: 64 Resp: 329096

Ion Ratio Lower Upper

64 100

66 35.4 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

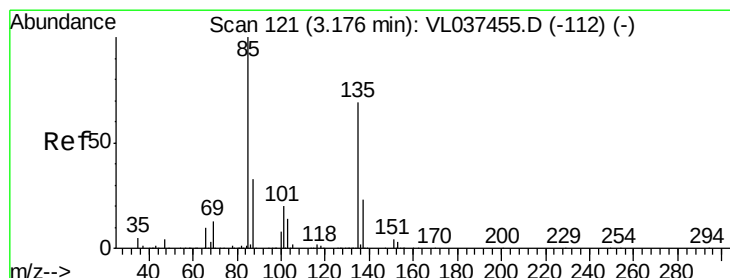
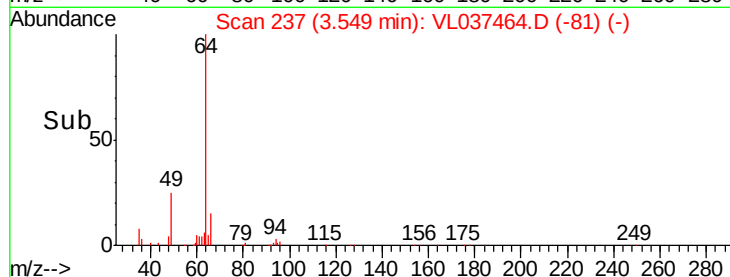
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.753 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037464.D

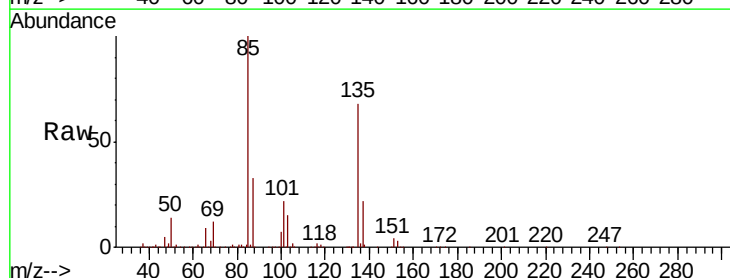
Acq: 16 Aug 2021 16:44

Tgt Ion: 85 Resp: 2210426

Ion Ratio Lower Upper

85 100

135 74.1 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

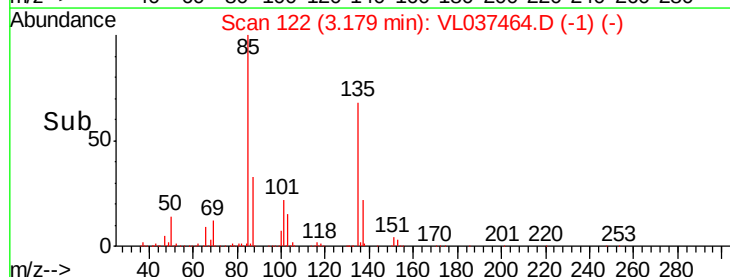
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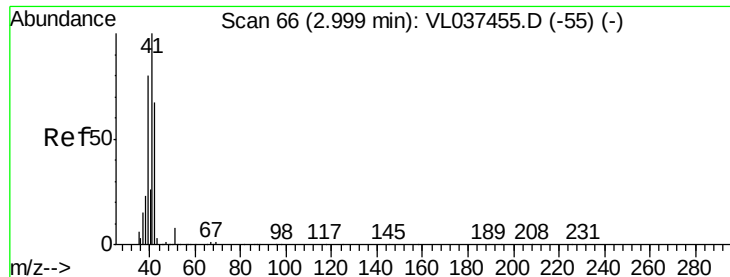
1000000

500000

0

Time-->





#9

Propene

Concen: 8.857 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

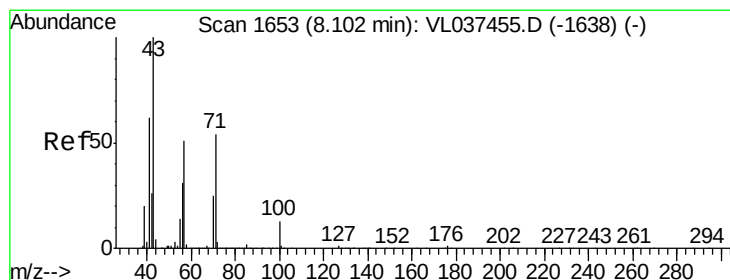
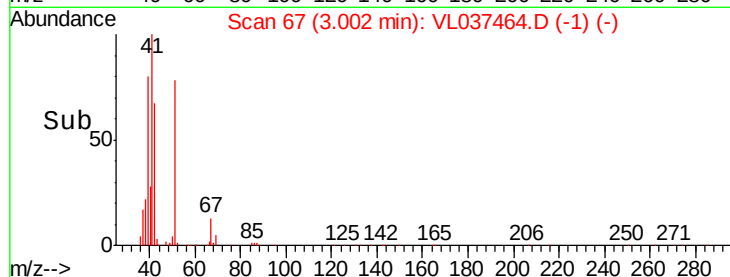
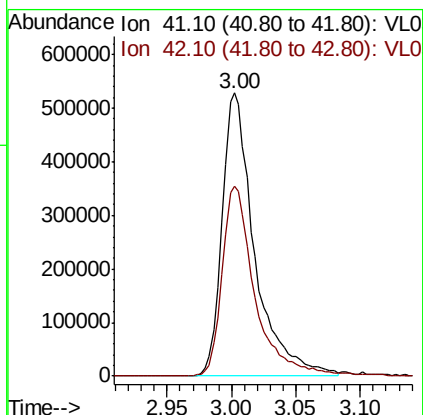
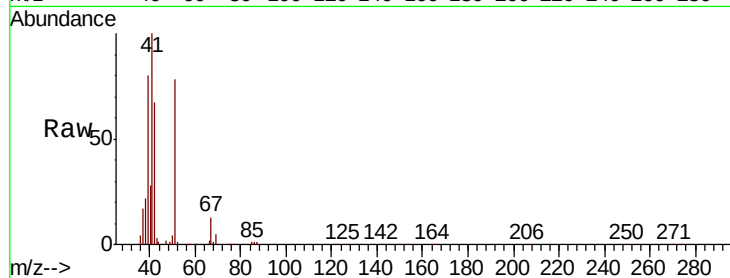
ClientSampleId :

Tot Ion: 41 Resp: 925184

Ion Ratio Lower Upper

41 100

42 68.1 53.7 80.5



#10

Heptane

Concen: 9.575 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037464.D

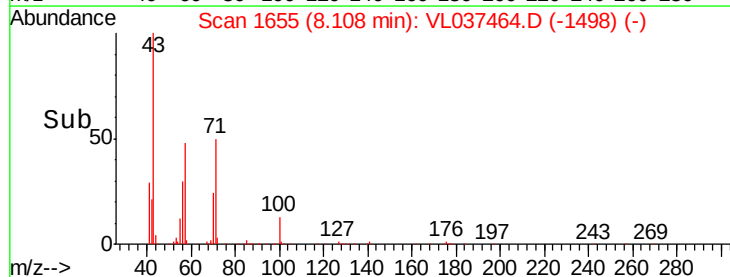
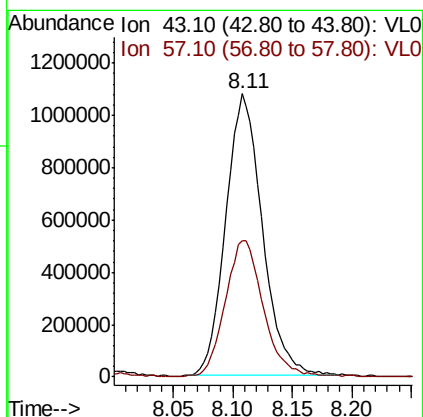
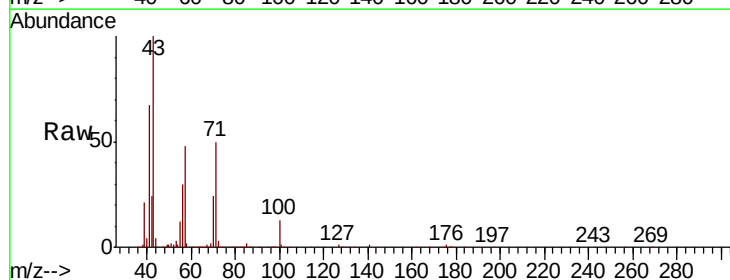
Acq: 16 Aug 2021 16:44

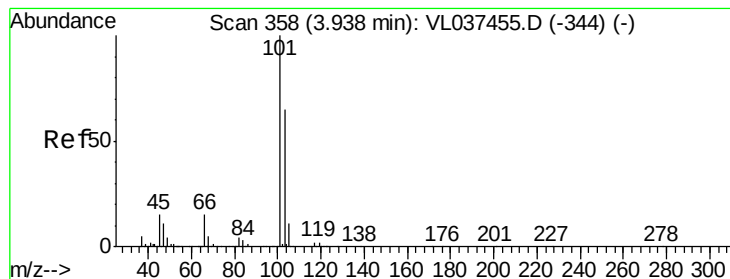
Tgt Ion: 43 Resp: 2302165

Ion Ratio Lower Upper

43 100

57 50.1 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.973 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

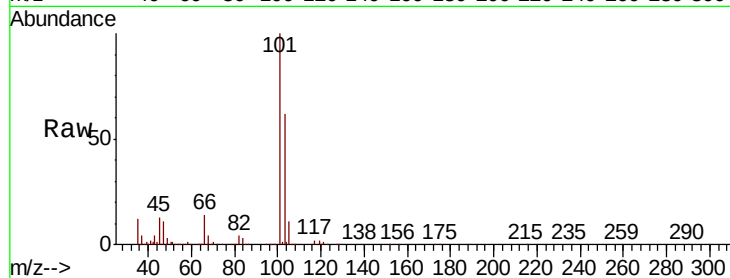
ClientSampleId :

Tot Ion:101 Resp: 2060376

Ion Ratio Lower Upper

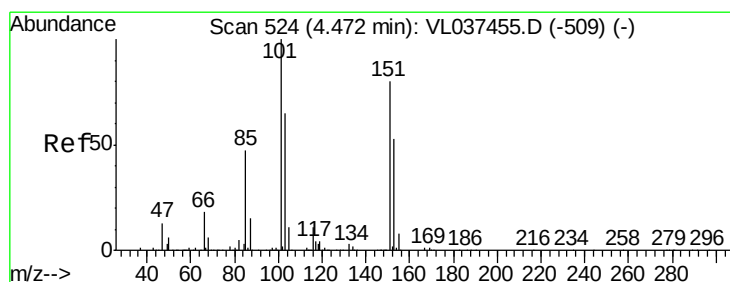
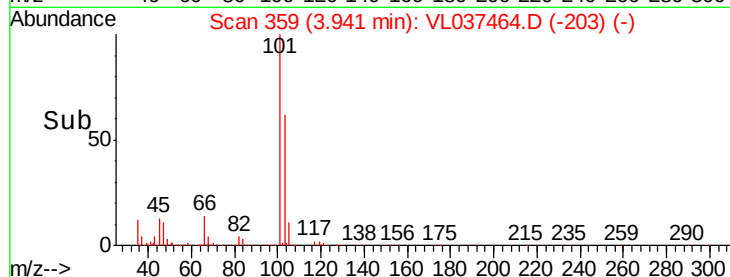
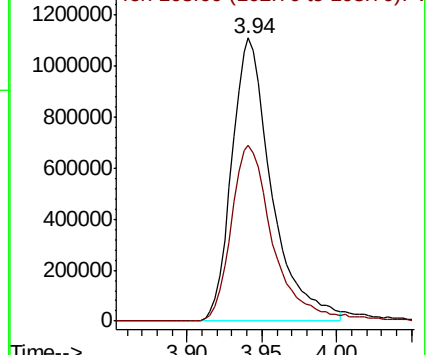
101 100

103 62.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.463 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037464.D

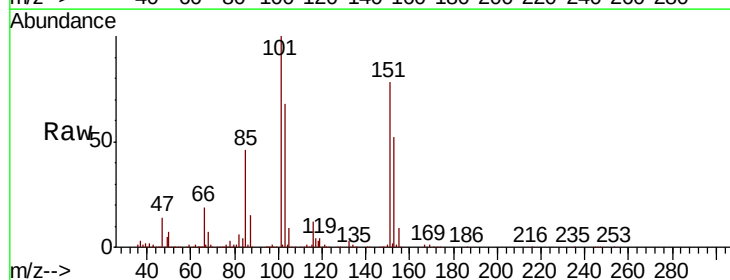
Acq: 16 Aug 2021 16:44

Tgt Ion:101 Resp: 1594560

Ion Ratio Lower Upper

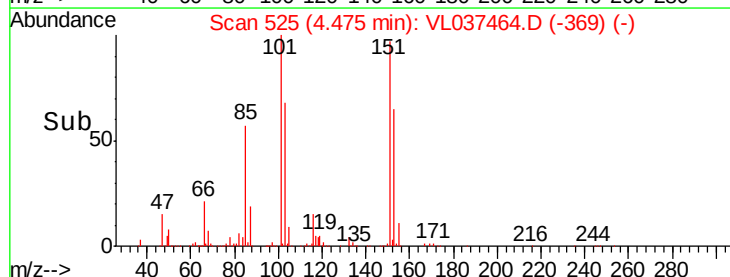
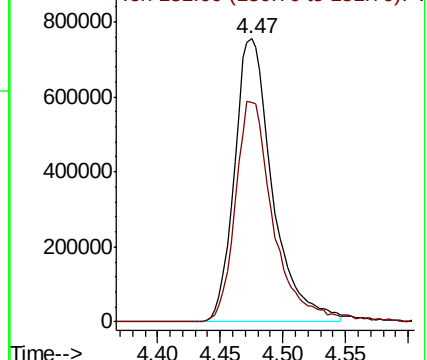
101 100

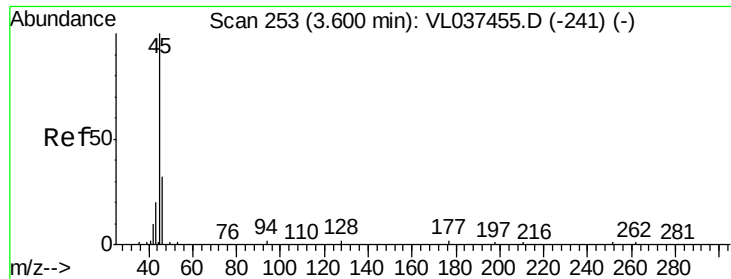
151 78.2 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.737 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

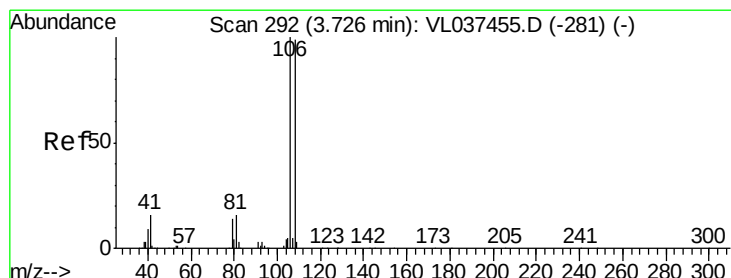
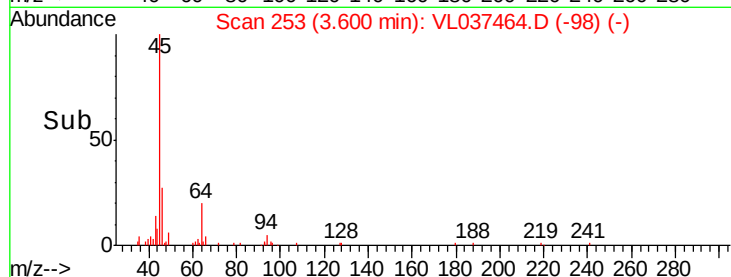
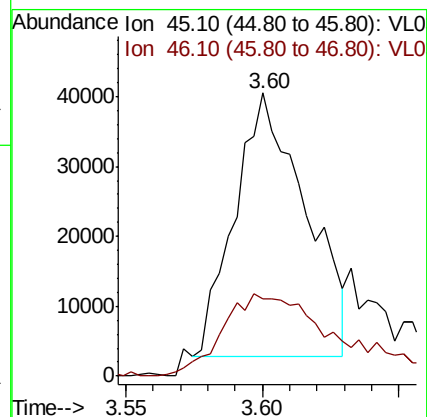
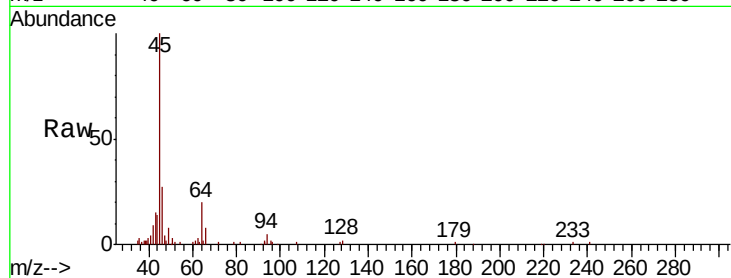
ClientSampleId :

Tot Ion: 45 Resp: 68479

Ion Ratio Lower Upper

45 100

46 56.6 14.1 56.5#



#14

Bromoethene

Concen: 9.015 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

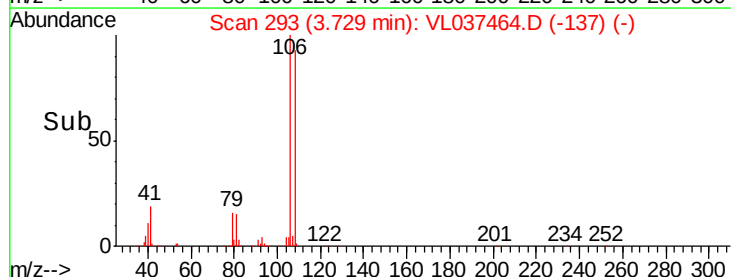
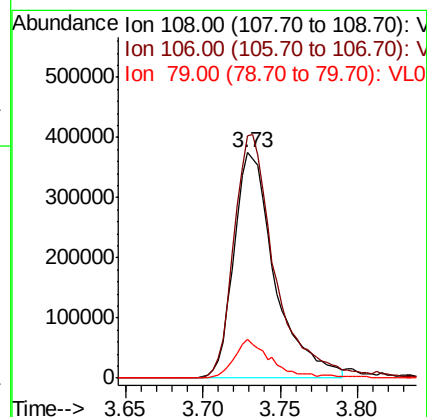
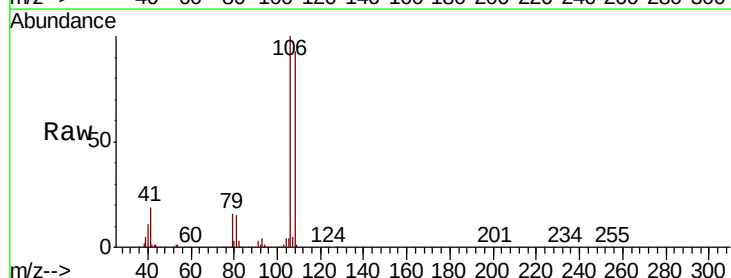
Tgt Ion: 108 Resp: 689592

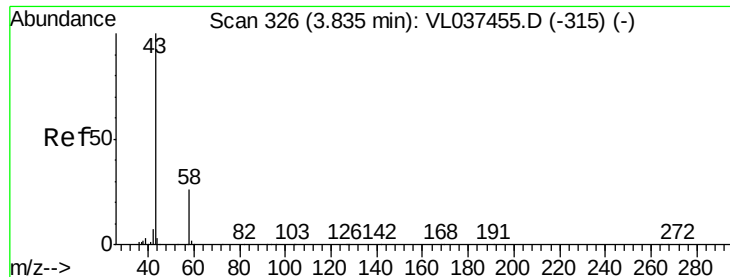
Ion Ratio Lower Upper

108 100

106 110.4 85.8 128.8

79 16.1 12.6 18.8





#15

Acetone

Concen: 7.542 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

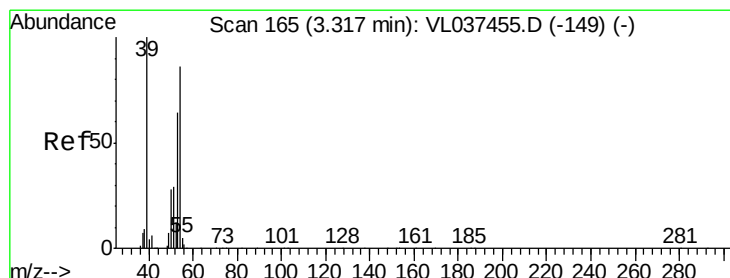
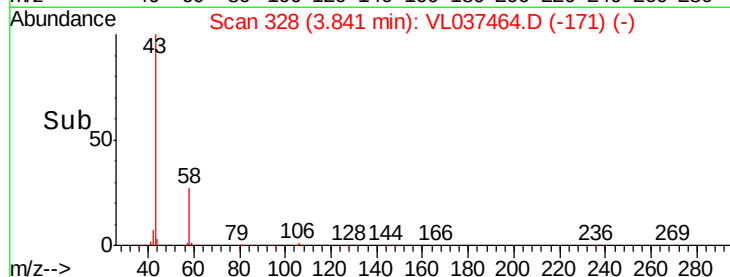
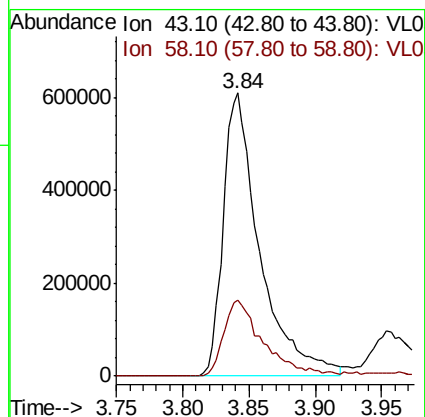
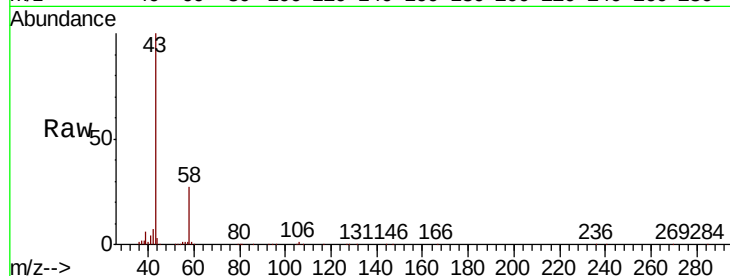
ClientSampleId :

Tot Ion: 43 Resp: 1170191

Ion Ratio Lower Upper

43 100

58 29.2 24.8 37.2



#16

1,3-Butadiene

Concen: 9.542 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037464.D

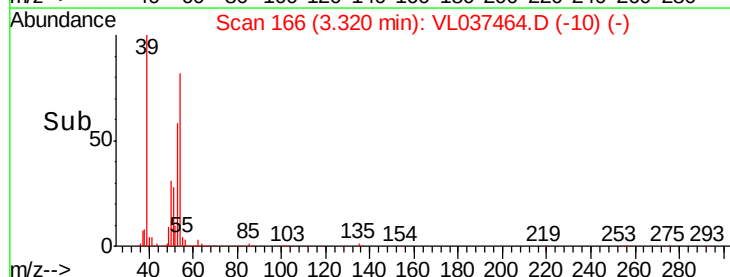
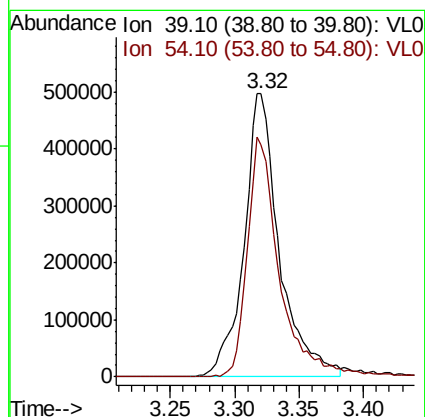
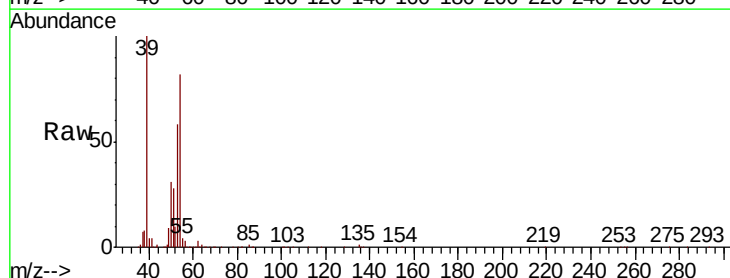
Acq: 16 Aug 2021 16:44

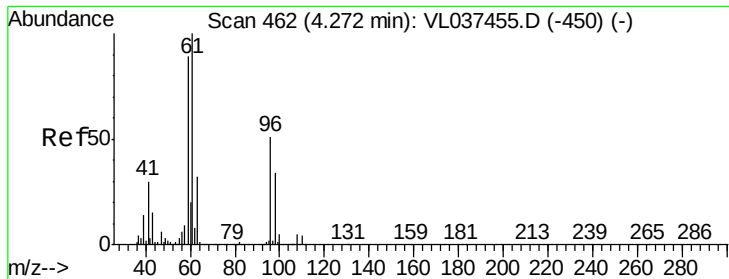
Tgt Ion: 39 Resp: 949708

Ion Ratio Lower Upper

39 100

54 77.8 63.7 95.5



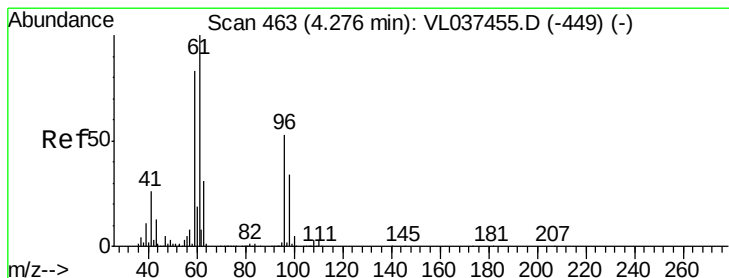
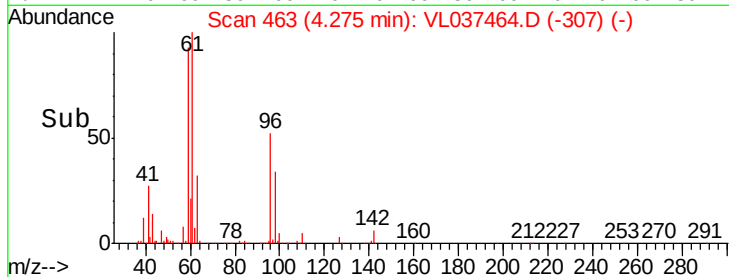
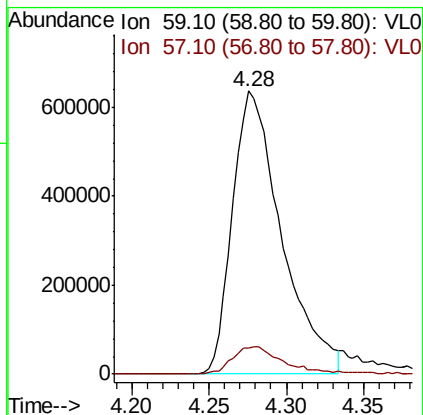
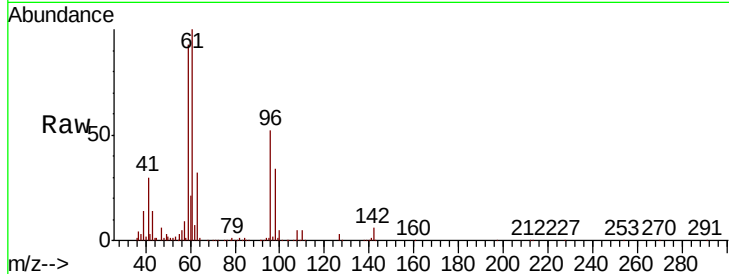


#17

tert-Butyl alcohol
Concen: 9.929 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampled :

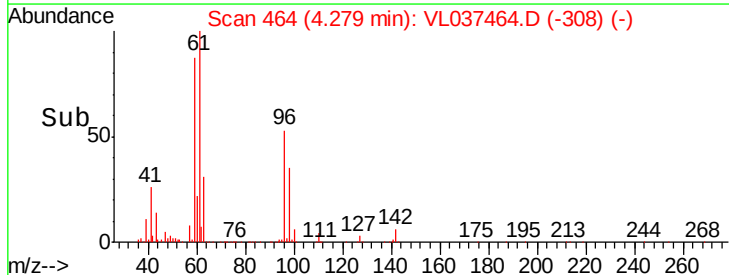
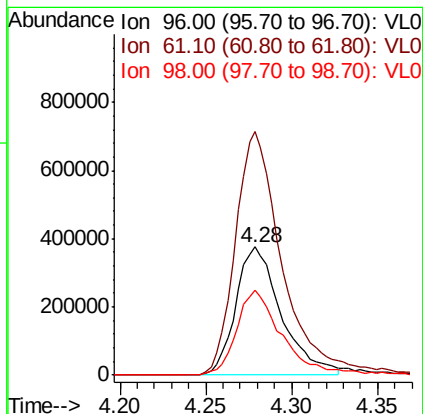
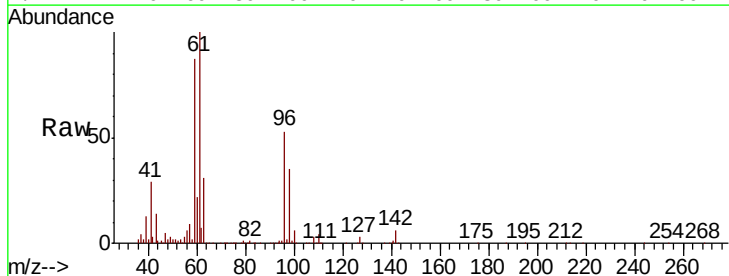
Tot Ion: 59 Resp: 1407363
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

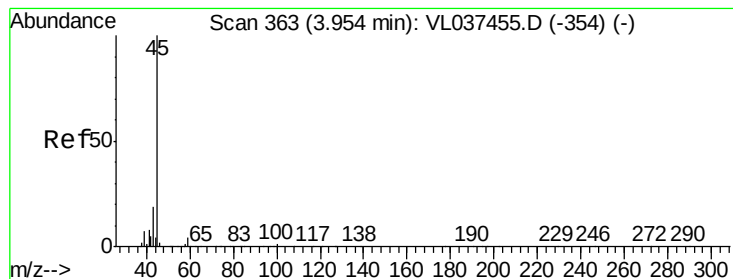


#18

1,1-Dichloroethene
Concen: 9.040 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 96 Resp: 691933
Ion Ratio Lower Upper
96 100
61 190.0 151.1 226.7
98 65.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.204 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

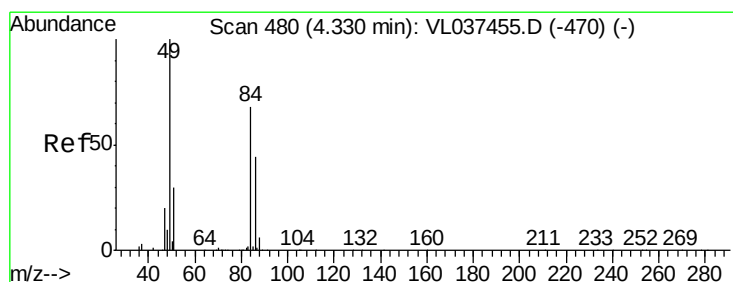
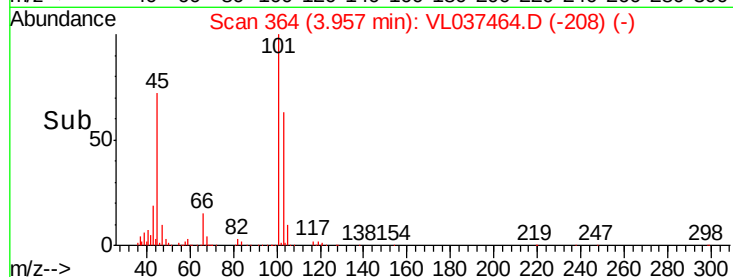
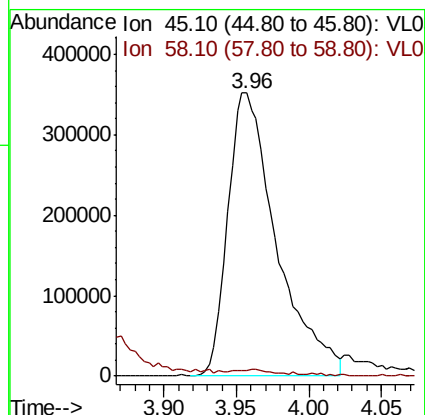
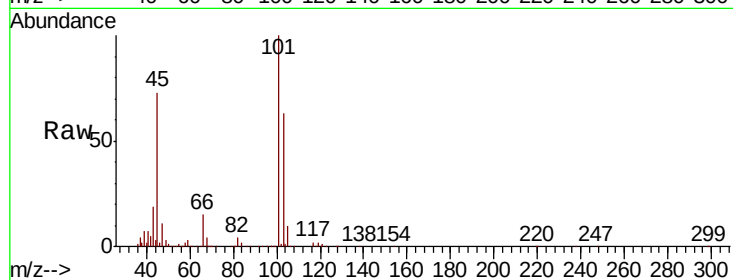
ClientSampleId :

Tot Ion: 45 Resp: 818151

Ion Ratio Lower Upper

45 100

58 45.3 1.4 2.2#



#20

Methylene Chloride

Concen: 8.015 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion: 84 Resp: 622672

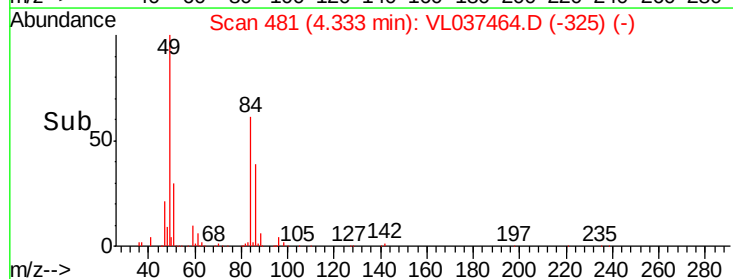
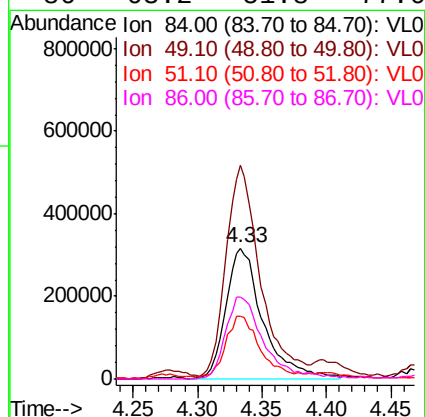
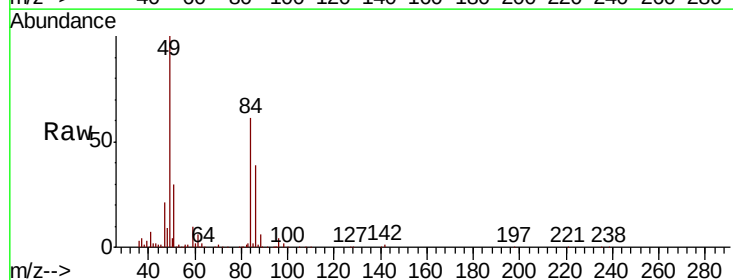
Ion Ratio Lower Upper

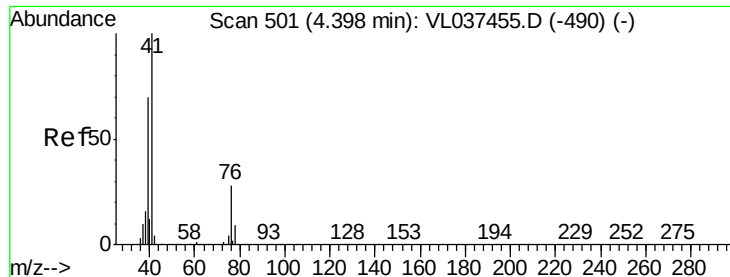
84 100

49 161.4 118.2 177.2

51 46.6 36.6 55.0

86 63.2 51.8 77.6





#21

Allvl Chloride

Concen: 9.009 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :

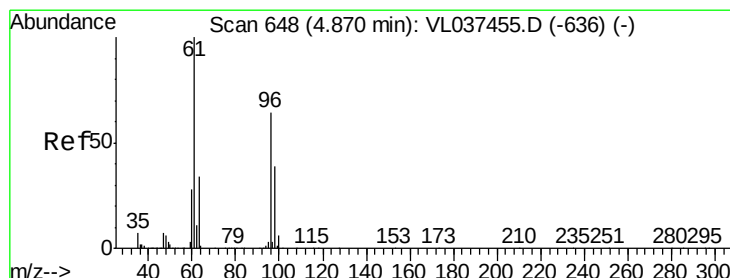
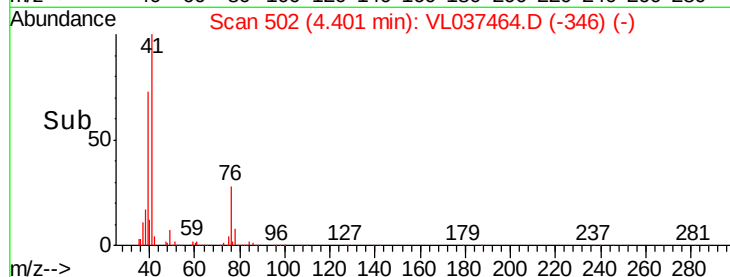
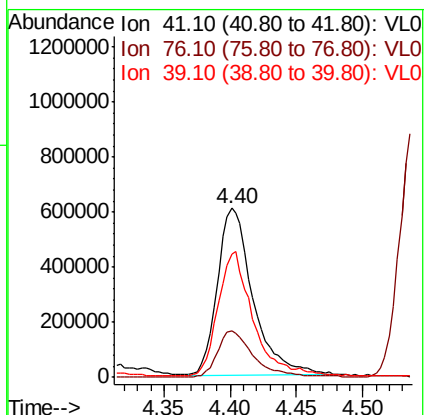
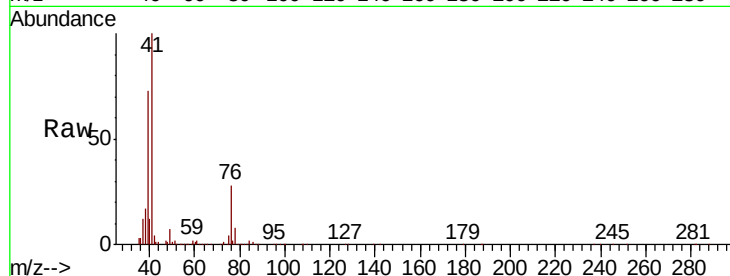
Tot Ion: 41 Resp: 1135362

Ion Ratio Lower Upper

41 100

76 28.9 21.8 32.6

39 74.6 56.8 85.2



#22

trans-1,2-Dichloroethene

Concen: 9.583 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

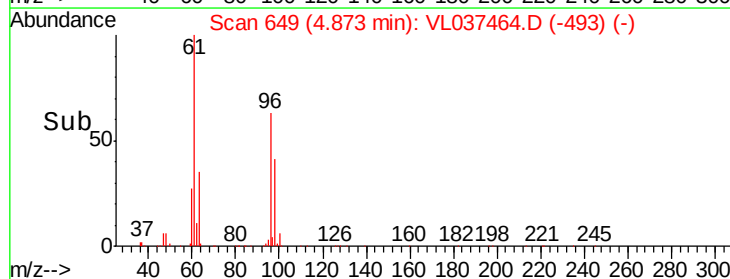
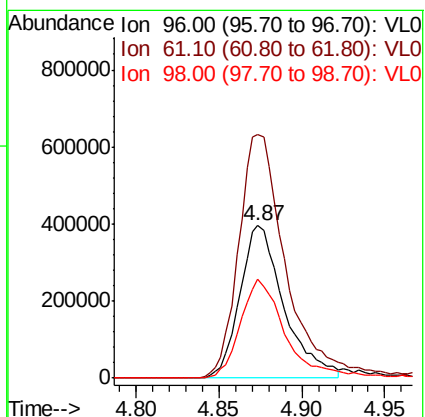
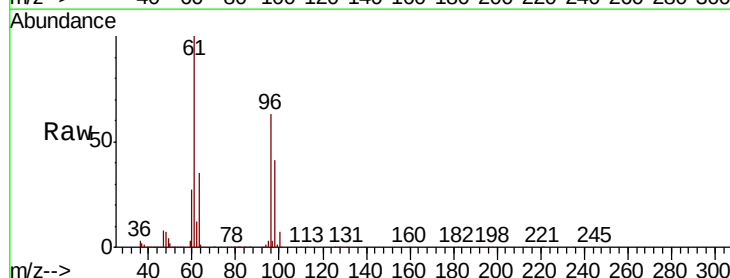
Tgt Ion: 96 Resp: 731777

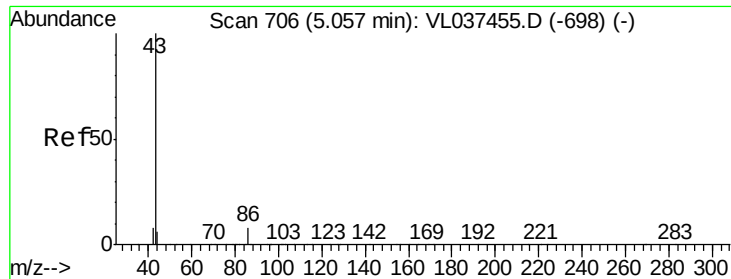
Ion Ratio Lower Upper

96 100

61 159.5 125.5 188.3

98 65.1 49.0 73.4



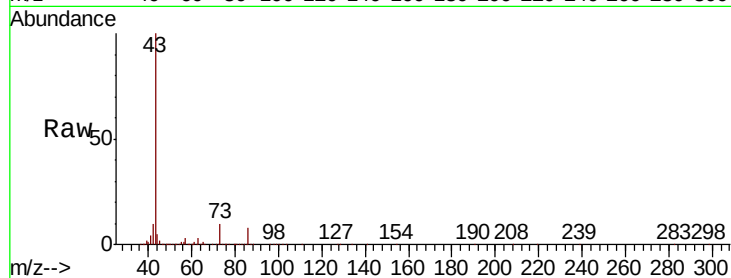


#23
 Vinyl Acetate
 Concen: 8.277 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

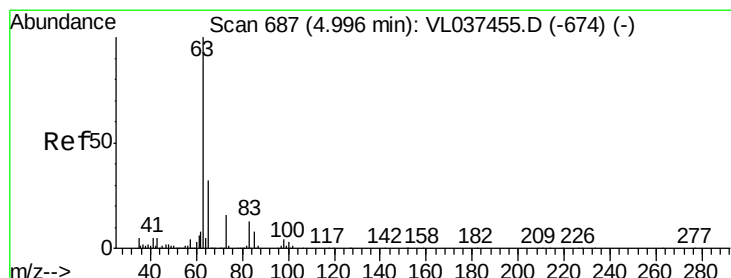
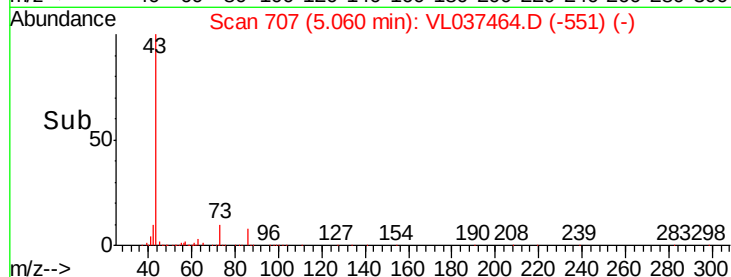
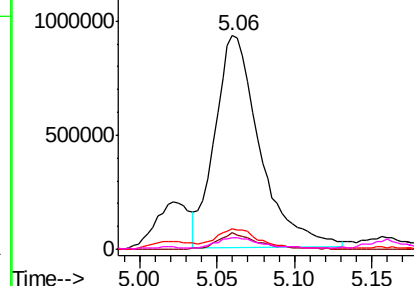
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1892988

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.7	8.5
42	9.7	7.4	11.2
44	4.8	4.3	6.5



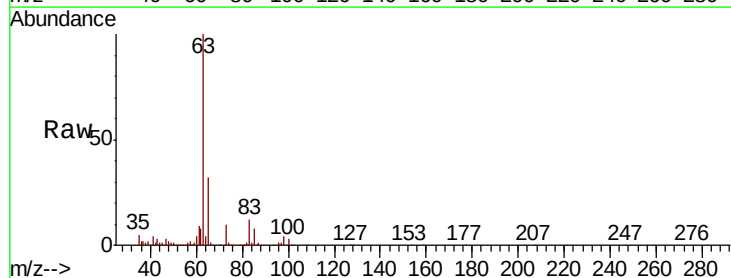
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



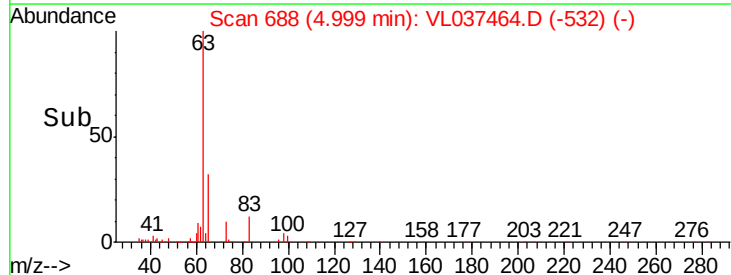
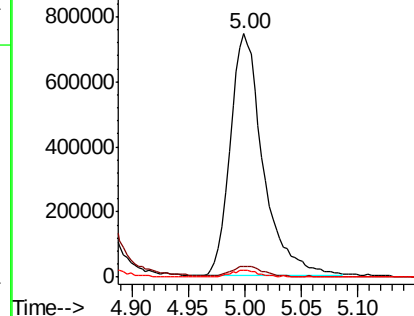
#24
 1,1-Dichloroethane
 Concen: 9.099 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

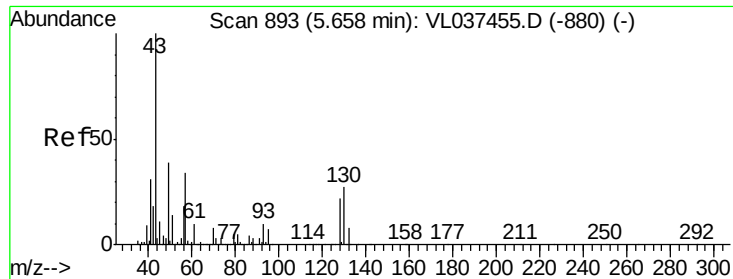
Tgt Ion: 63 Resp: 1509265

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.8	1.6	4.7



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



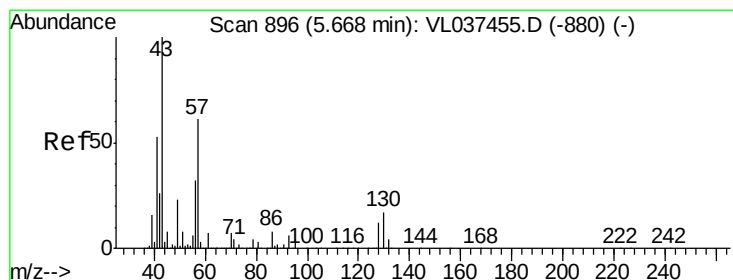
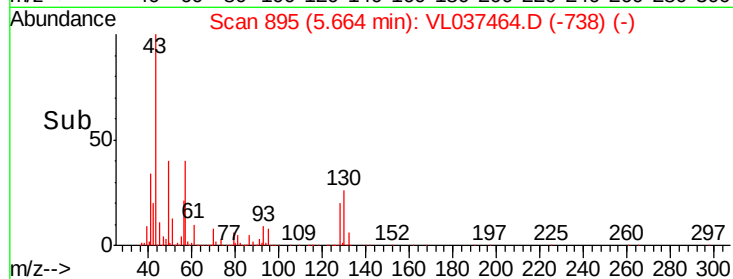
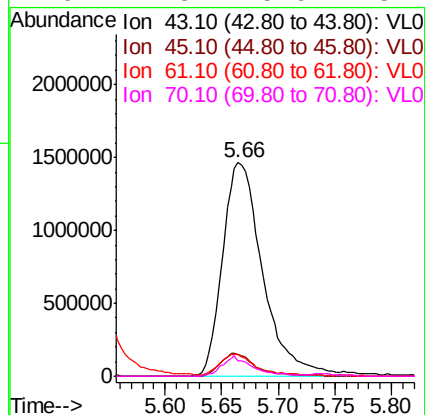
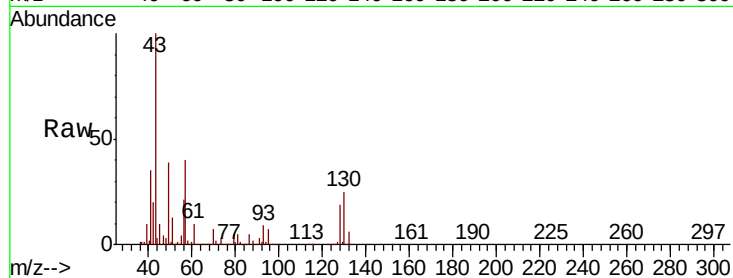


#25
Ethyl Acetate
Concen: 9.125 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3594426

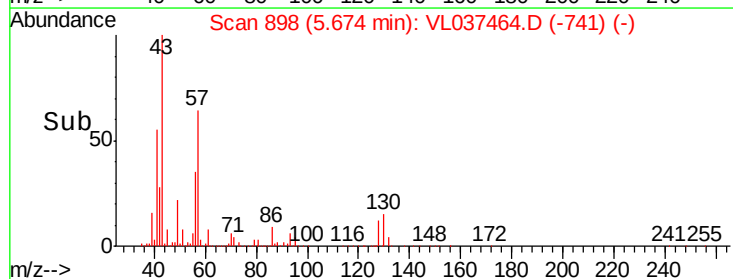
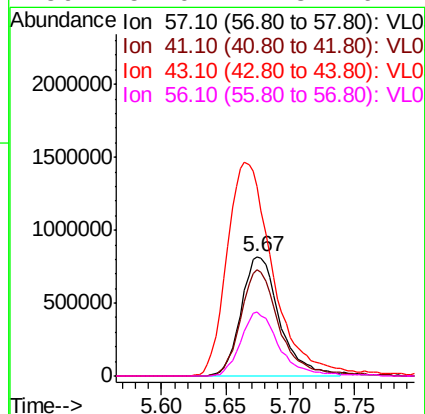
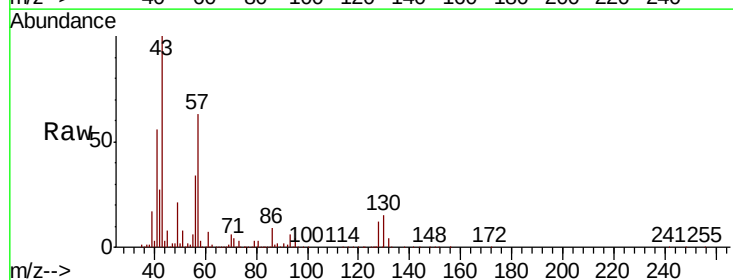
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.7	8.0	12.0
70	7.3	5.6	8.4

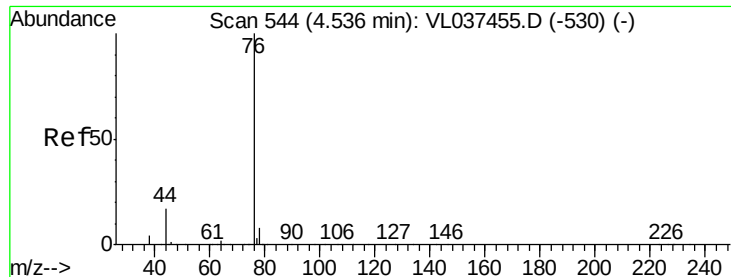


#26
Hexane
Concen: 8.804 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 57 Resp: 1695500

Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.3	108.5
43	216.0	172.3	258.5
56	54.0	42.8	64.2





#27

Carbon Disulfide

Concen: 10.468 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

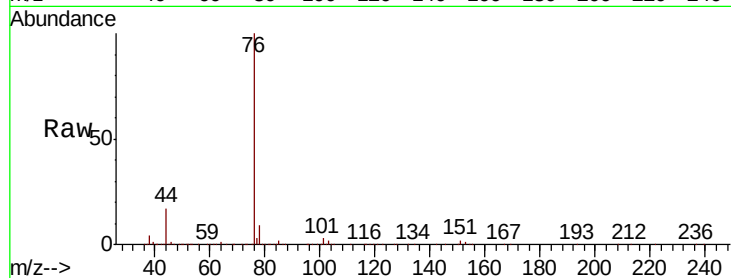
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1796598

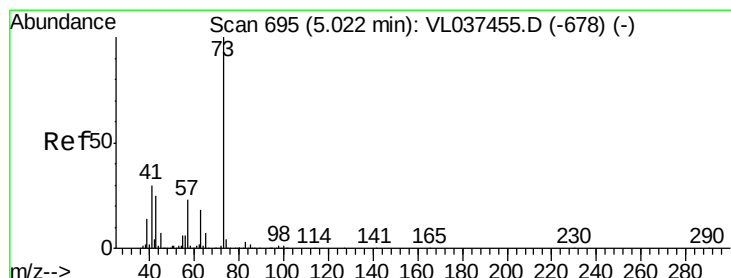
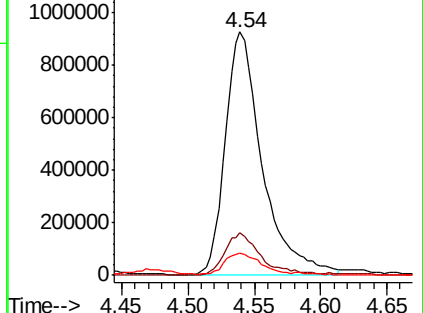
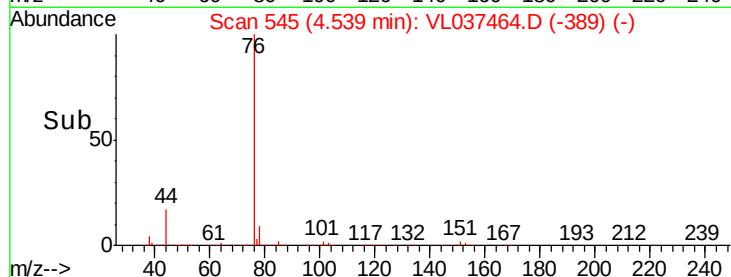
Ion	Ratio	Lower	Upper
76	100		
44	17.3	13.9	20.9
78	10.0	7.9	11.9



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: 8.527 ppbv

RT: 5.02 min Scan# 695

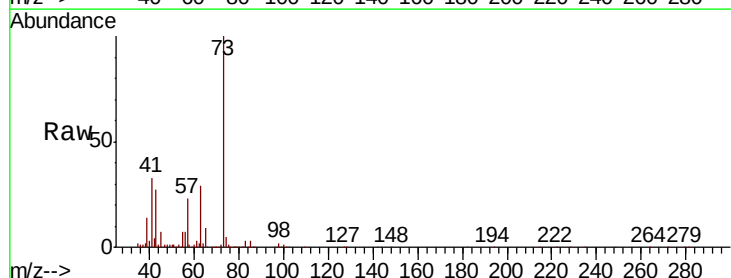
Delta R.T. -0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

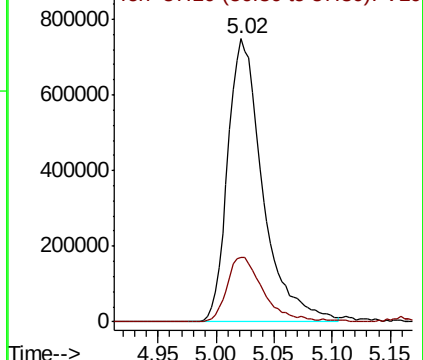
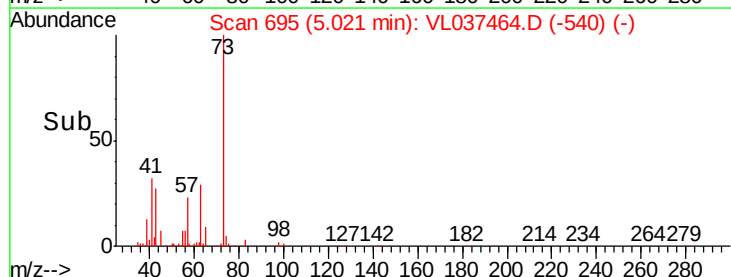
Tgt Ion: 73 Resp: 1577227

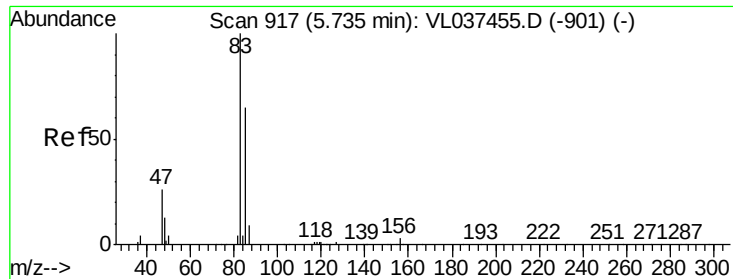
Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.4	29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

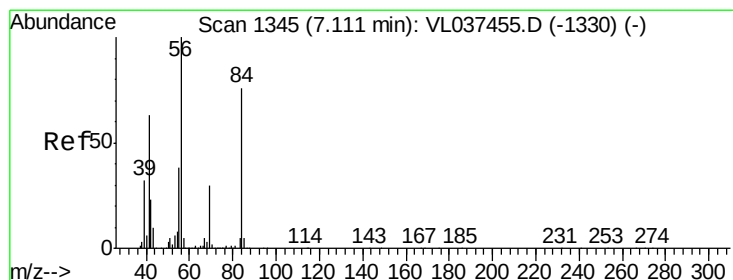
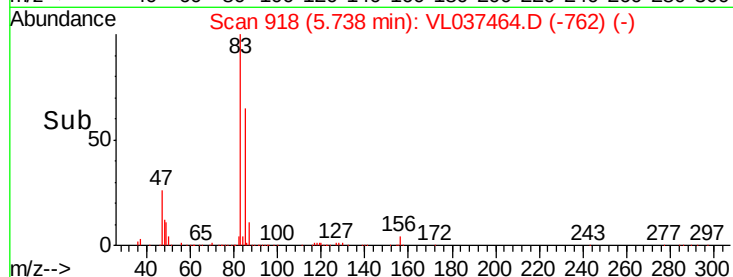
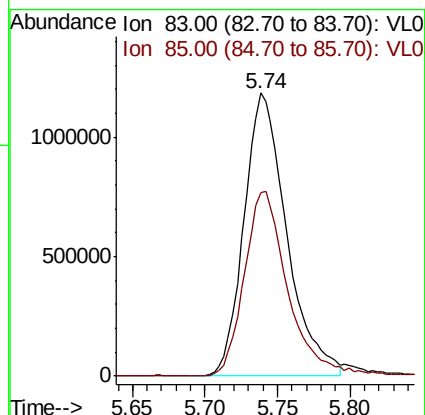
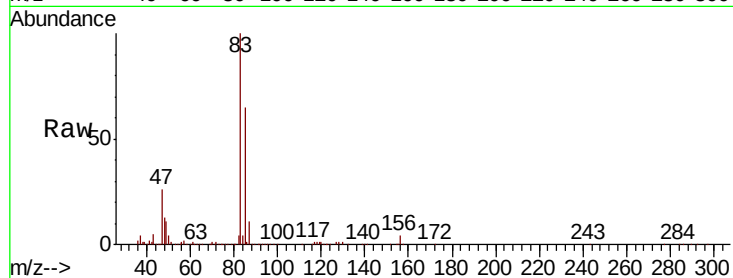




#29
Chloroform
Concen: 8.914 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

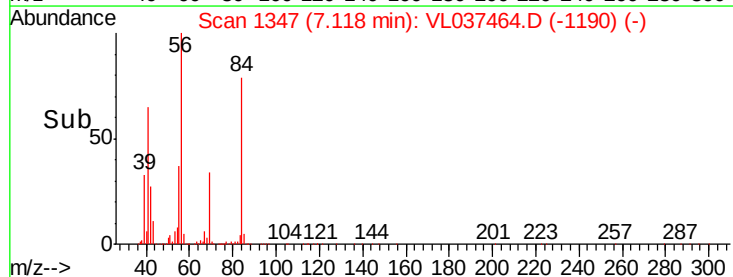
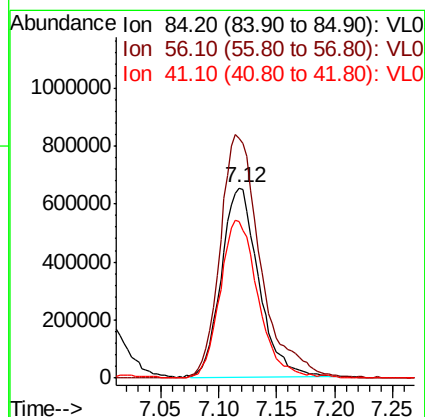
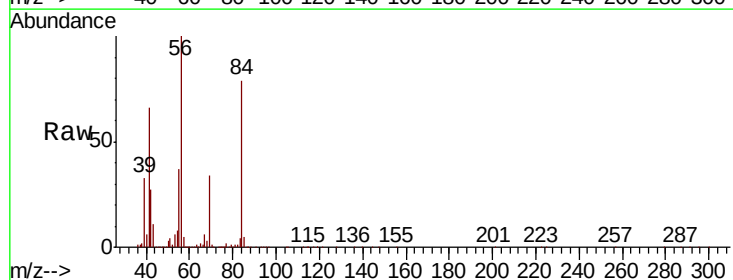
Instrument :
MSVOA_L
ClientSampleId :

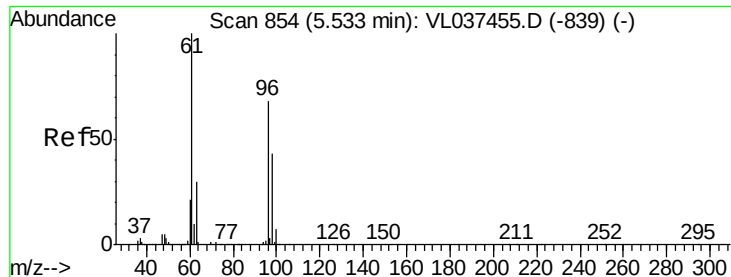
Tot Ion: 83 Resp: 2433029
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5



#30
Cyclohexane
Concen: 9.102 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 84 Resp: 1460592
Ion Ratio Lower Upper
84 100
56 139.4 110.6 165.8
41 84.9 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.415 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

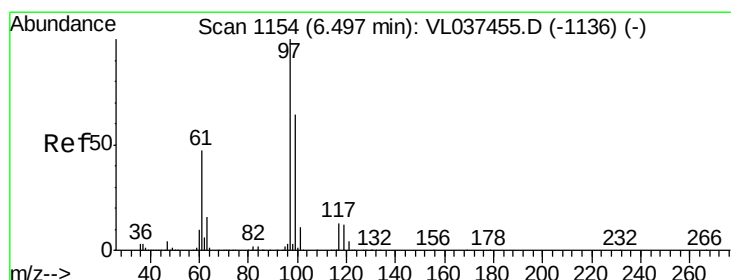
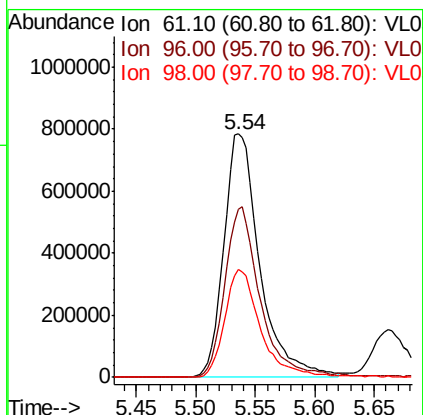
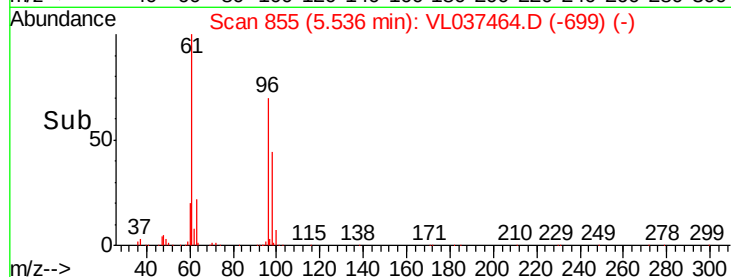
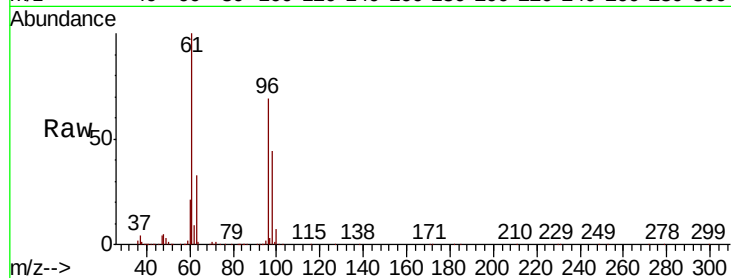
Tot Ion: 61 Resp: 1641124

Ion Ratio Lower Upper

61 100

96 69.0 54.8 82.2

98 44.2 34.2 51.2



#32

1,1,1-Trichloroethane

Concen: 8.997 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

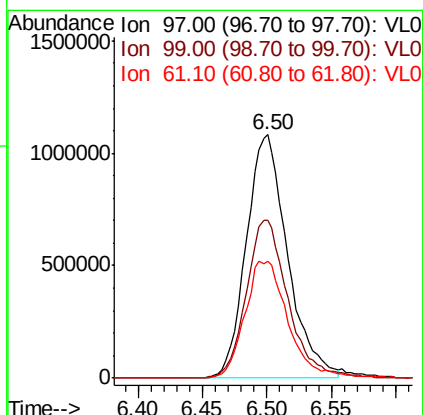
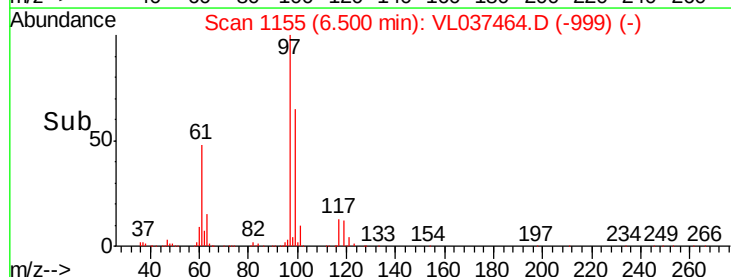
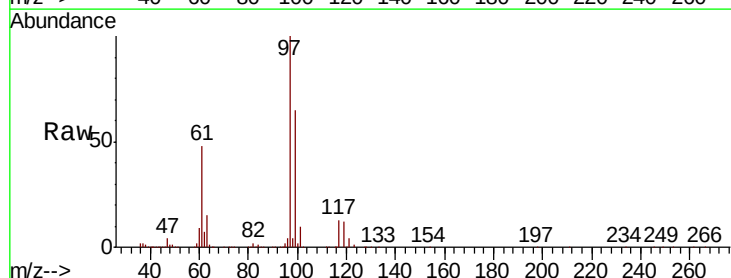
Tgt Ion: 97 Resp: 2412809

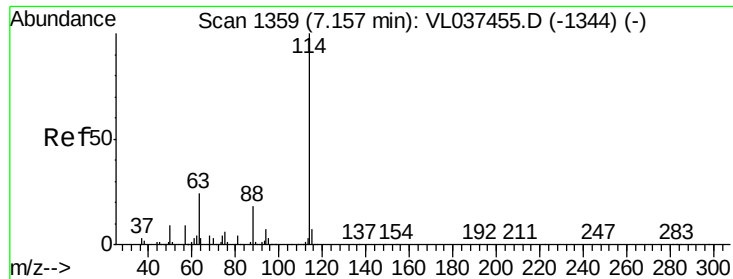
Ion Ratio Lower Upper

97 100

99 66.0 51.8 77.6

61 50.7 39.6 59.4

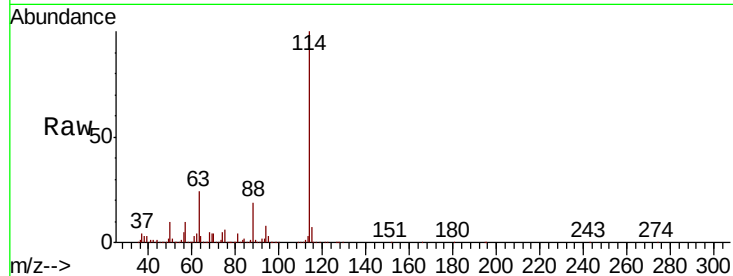




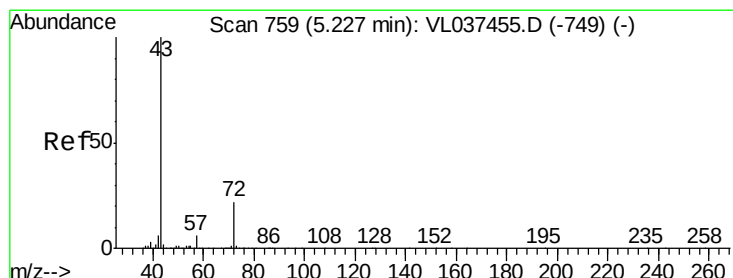
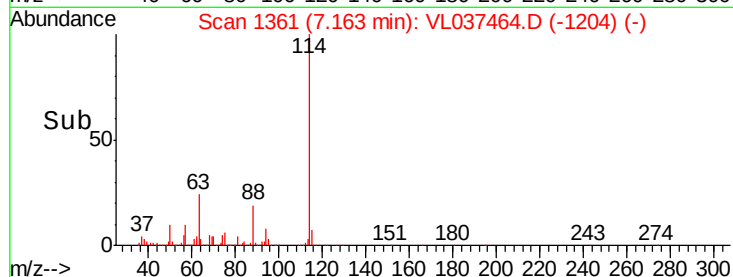
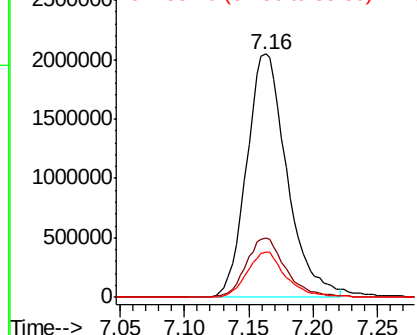
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4461302
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.3 28.9
 88 18.2 14.2 21.4

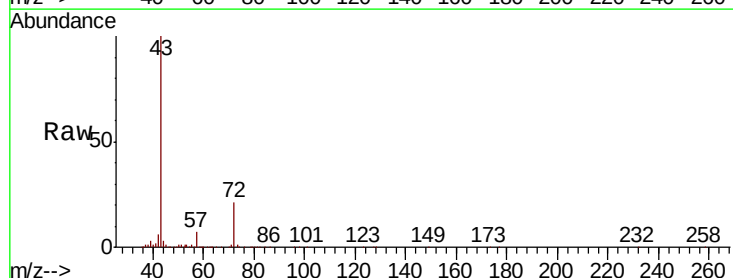


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

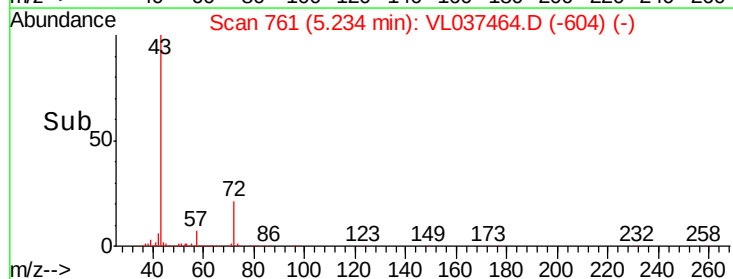
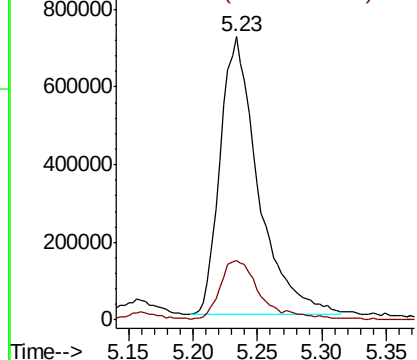


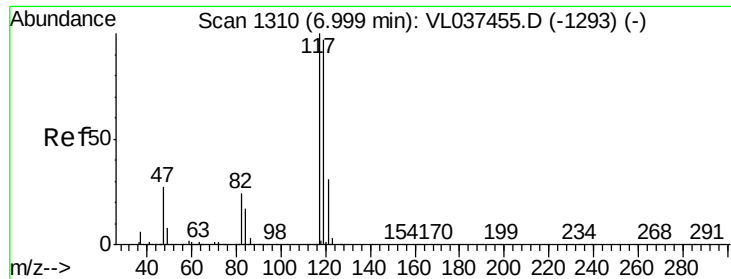
#34
 2-Butanone
 Concen: 8.118 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 43 Resp: 1478866
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.4 26.0



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





#35

Carbon Tetrachloride

Concen: 9.698 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

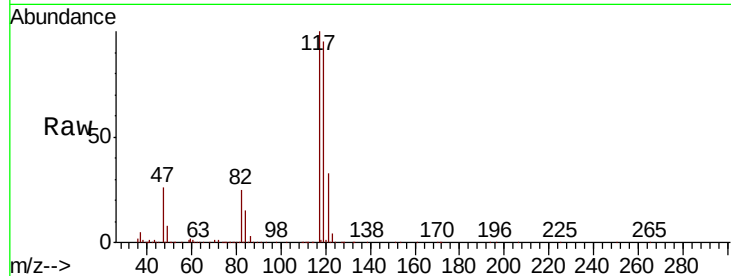
Tot Ion:117 Resp: 2557040

Ion Ratio Lower Upper

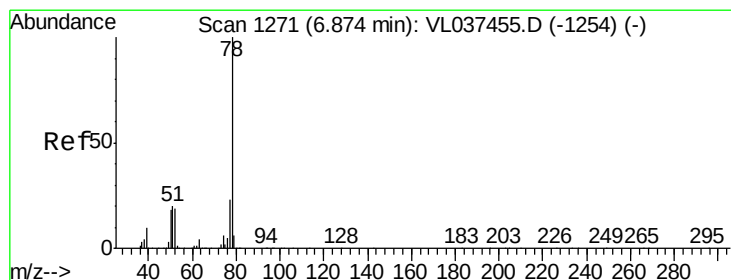
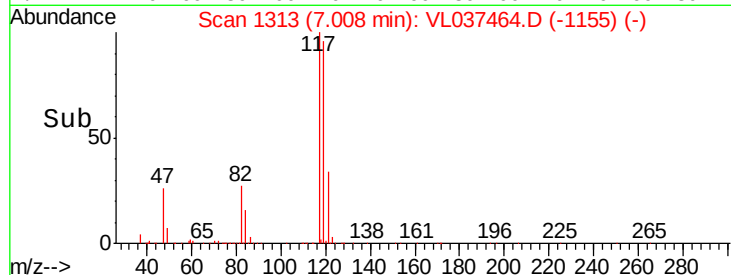
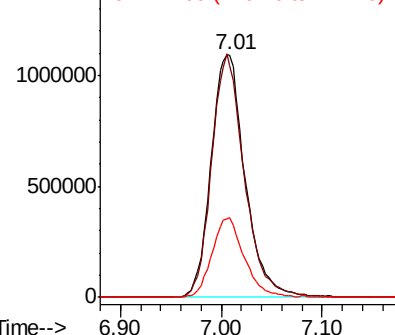
117 100

119 95.4 77.3 115.9

121 32.8 25.2 37.8



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: 9.591 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

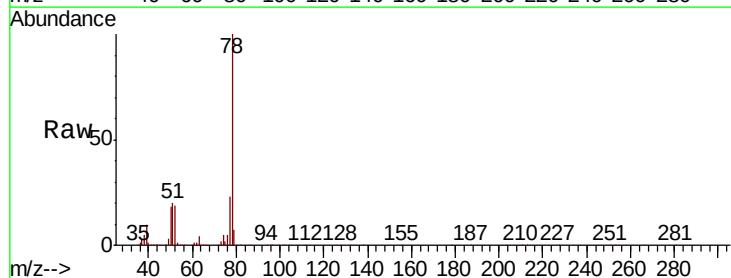
Tgt Ion: 78 Resp: 3596927

Ion Ratio Lower Upper

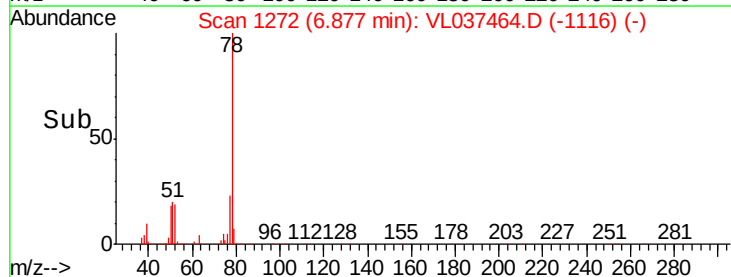
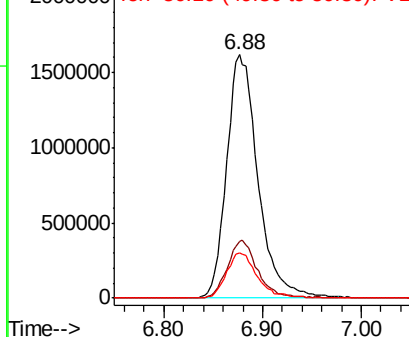
78 100

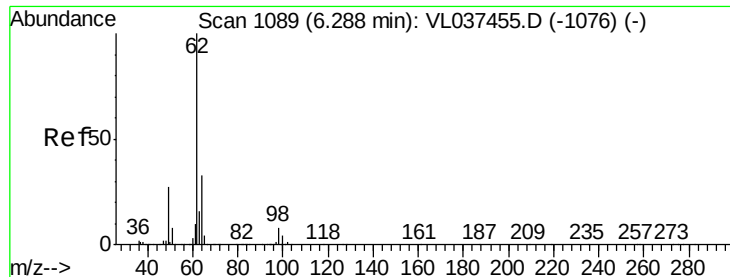
77 23.4 18.2 27.4

50 18.4 14.6 21.8



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

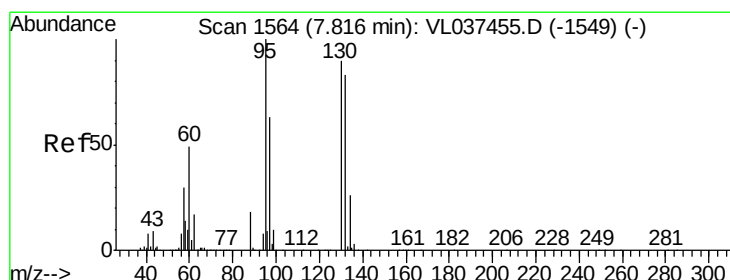
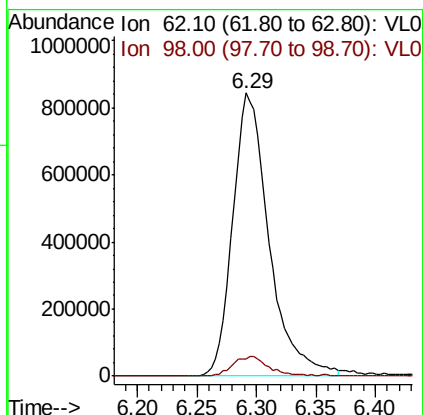
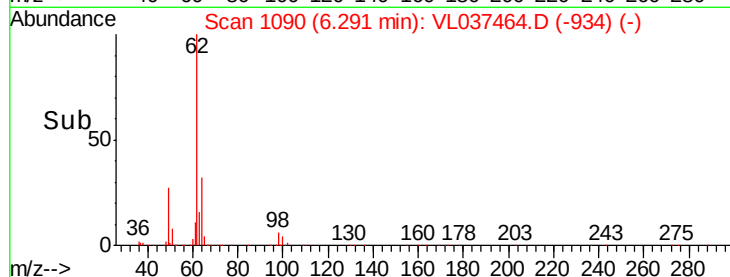
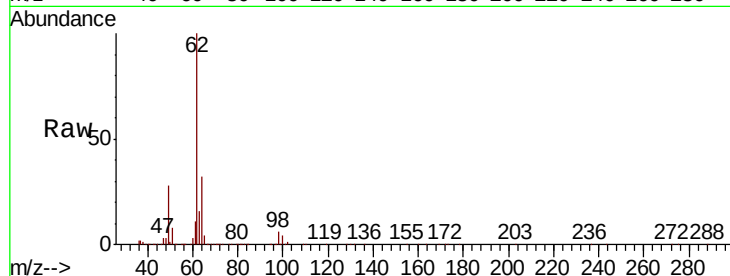




#37
 1,2-Dichloroethane
 Concen: 9.608 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

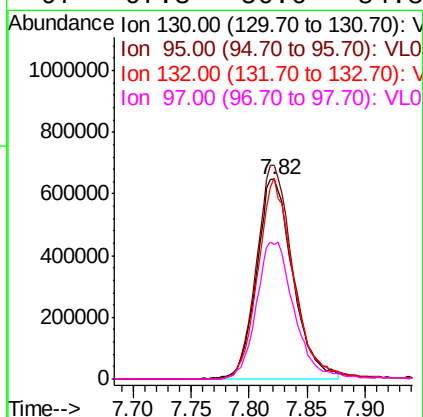
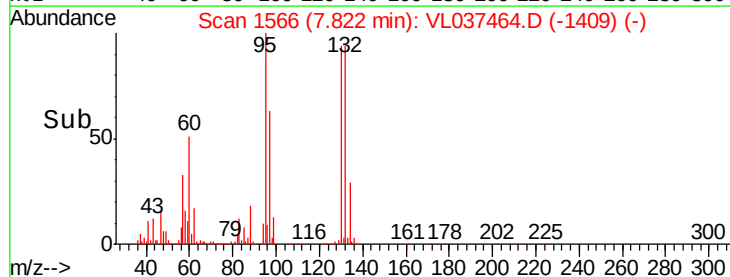
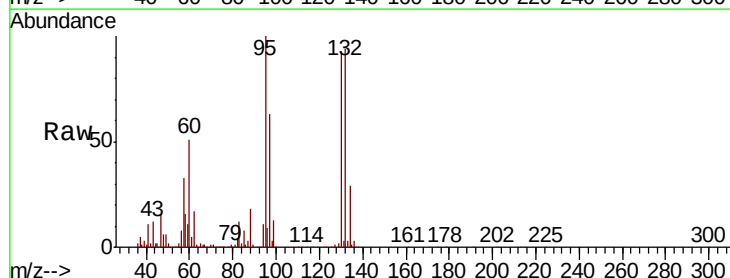
Instrument :
 MSVOA_L
 ClientSampleId :

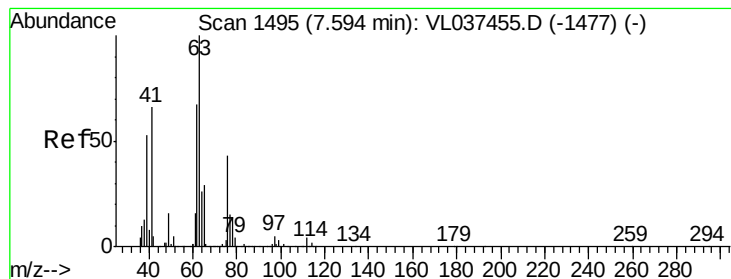
Tot Ion: 62 Resp: 1784869
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.0 9.0



#38
 Trichloroethene
 Concen: 9.154 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion:130 Resp: 1408618
 Ion Ratio Lower Upper
 130 100
 95 107.1 89.2 133.8
 132 100.8 74.0 111.0
 97 67.3 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.595 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

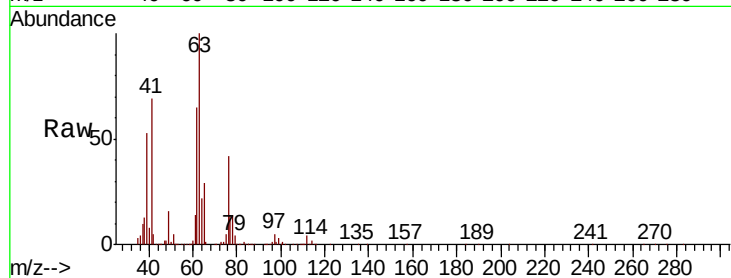
Tot Ion: 63 Resp: 1382714

Ion Ratio Lower Upper

63 100

41 68.4 52.4 78.6

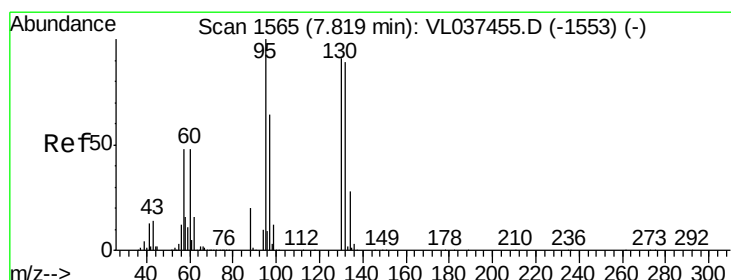
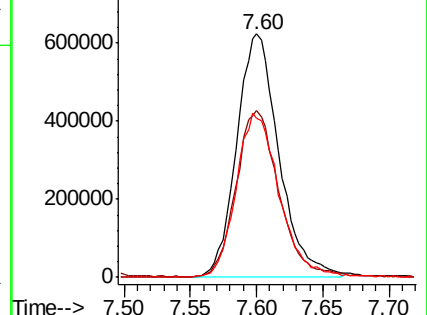
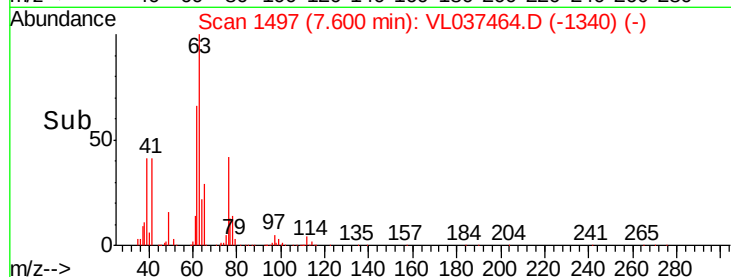
62 65.4 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 5.337 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion: 88 Resp: 188432

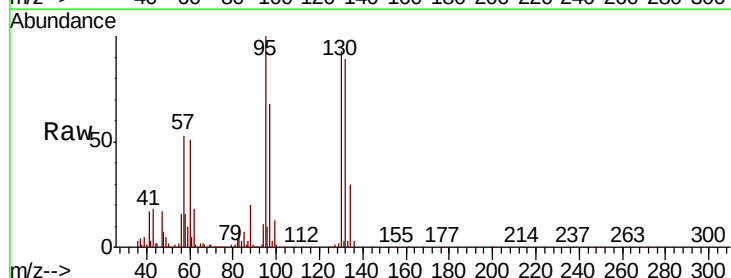
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

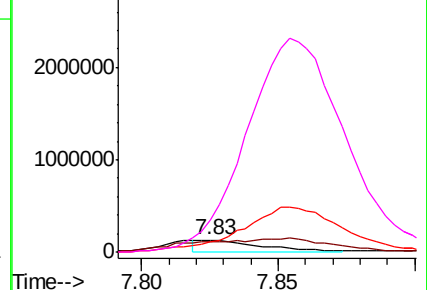
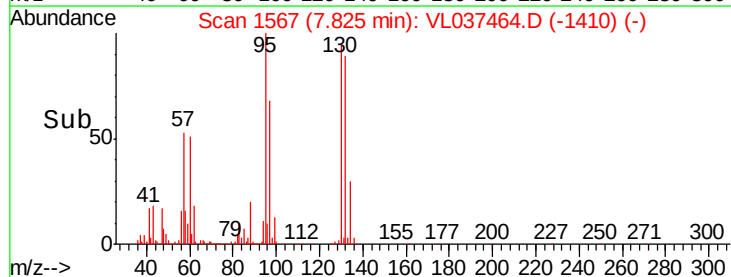


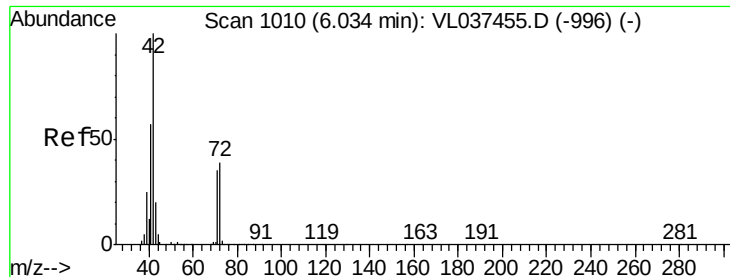
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.722 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampled :

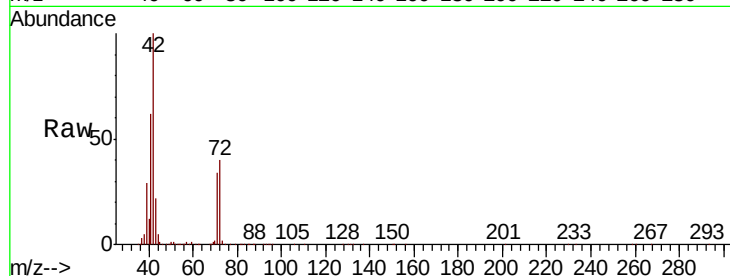
Tot Ion: 42 Resp: 853188

Ion Ratio Lower Upper

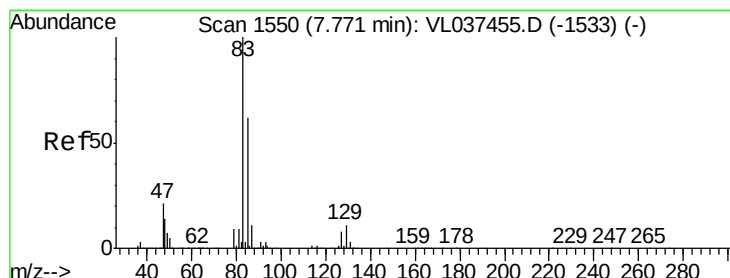
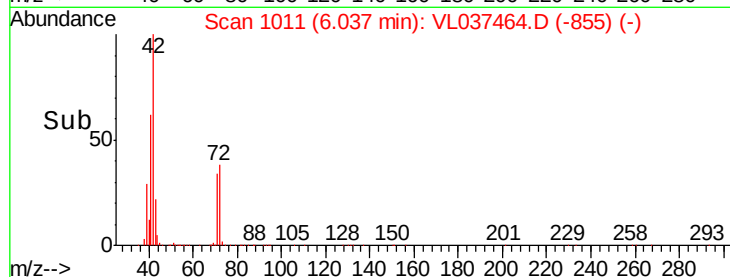
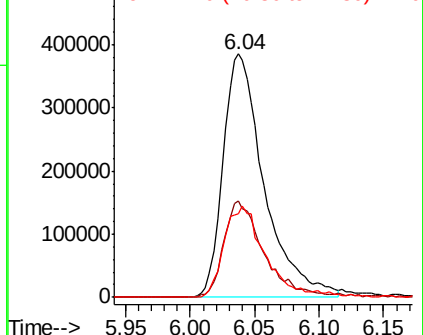
42 100

72 39.6 32.2 48.4

71 38.3 30.5 45.7



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



#42

Bromodichloromethane

Concen: 9.853 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

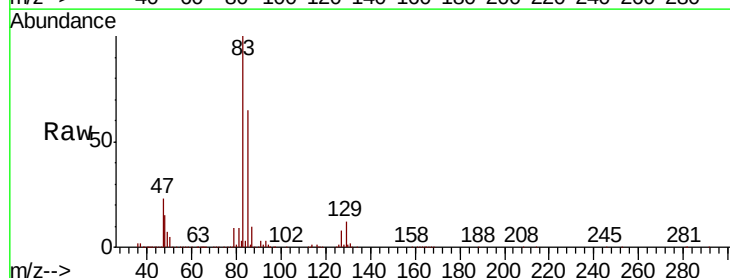
Tgt Ion: 83 Resp: 2676498

Ion Ratio Lower Upper

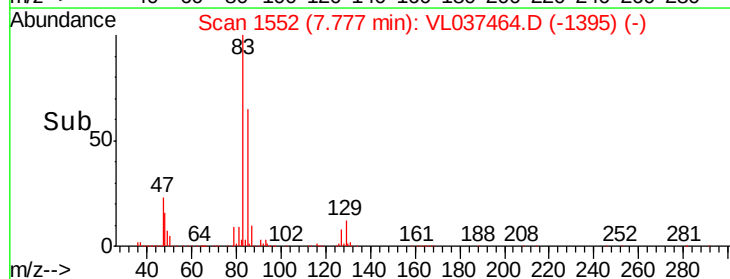
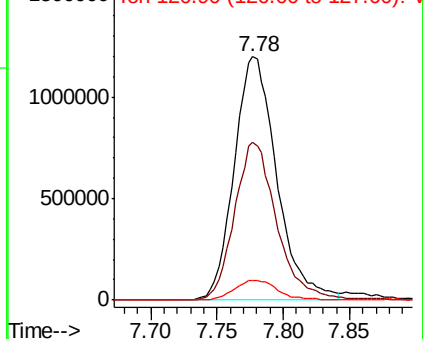
83 100

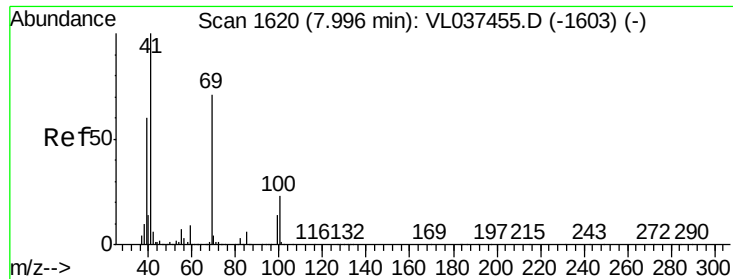
85 65.0 49.5 74.3

127 8.1 6.3 9.5



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





#43

Methyl Methacrylate

Concen: 9.907 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. 0.00 min

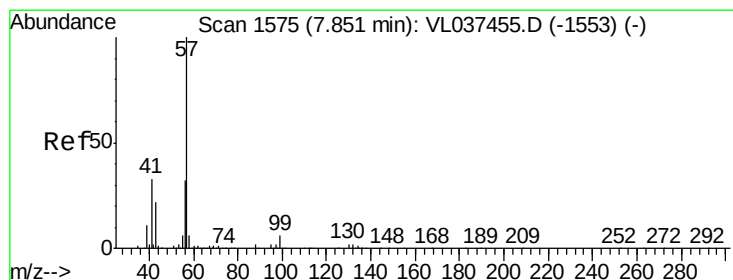
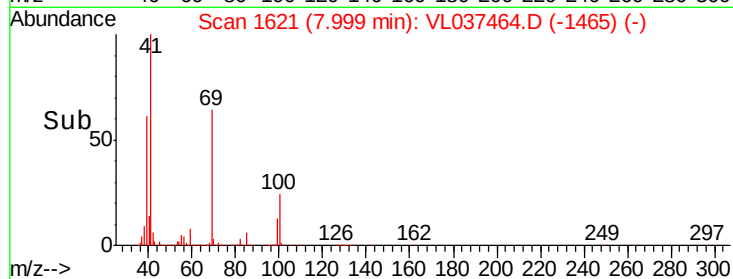
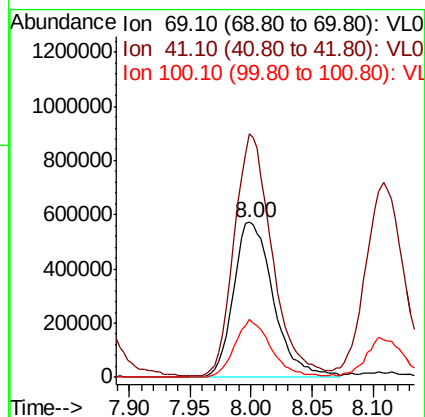
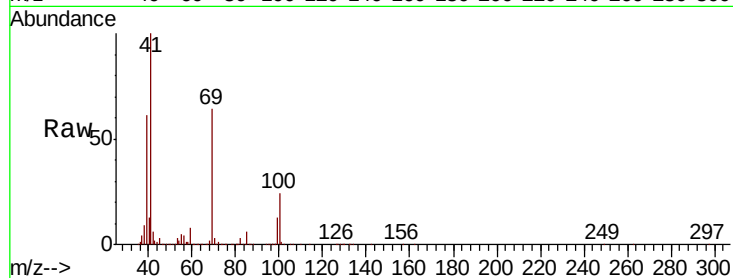
Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1294953

Ion	Ratio	Lower	Upper
69	100		
41	149.7	118.6	178.0
100	34.6	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 9.346 ppbv

RT: 7.85 min Scan# 1576

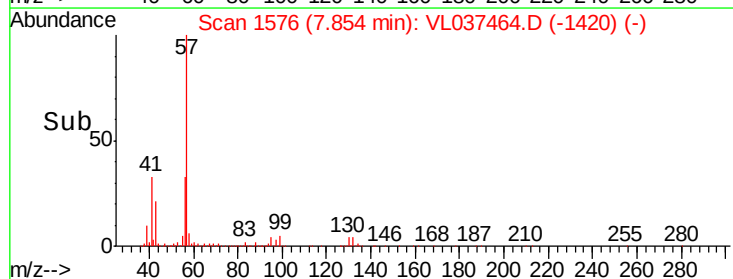
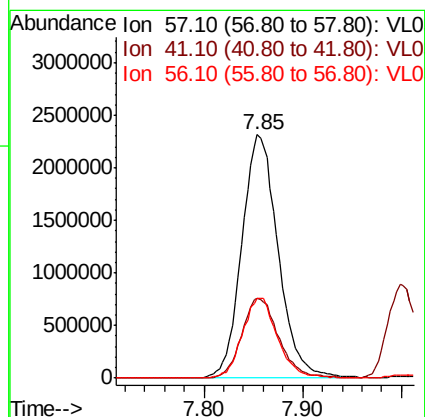
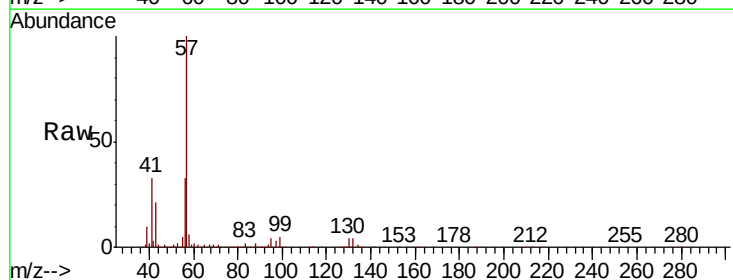
Delta R.T. 0.00 min

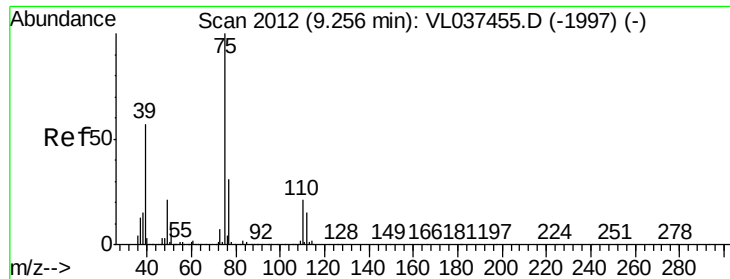
Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion: 57 Resp: 5899129

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	32.0	25.4	38.2

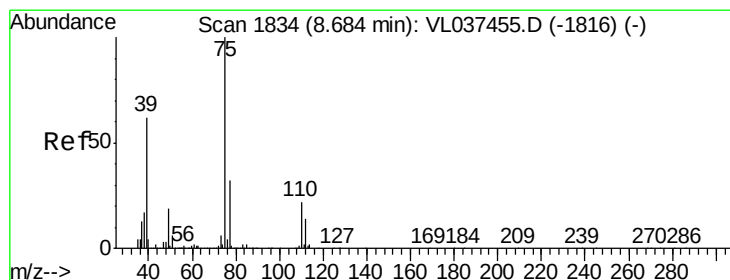
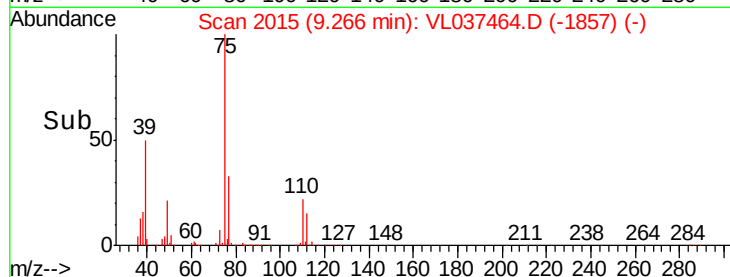
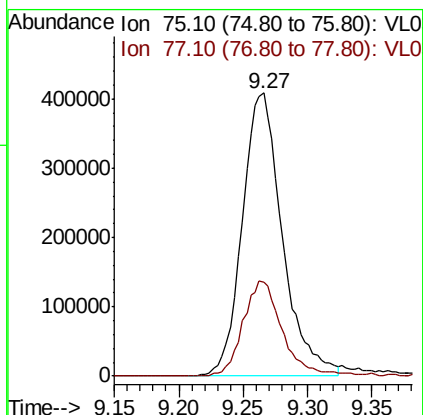
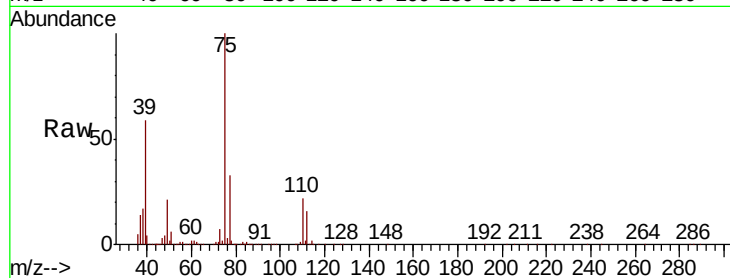




#45
t-1,3-Dichloropropene
Concen: 8.977 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

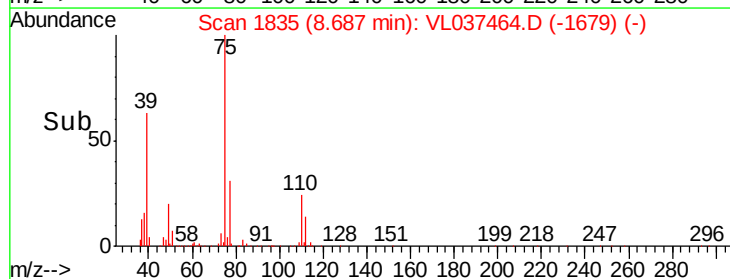
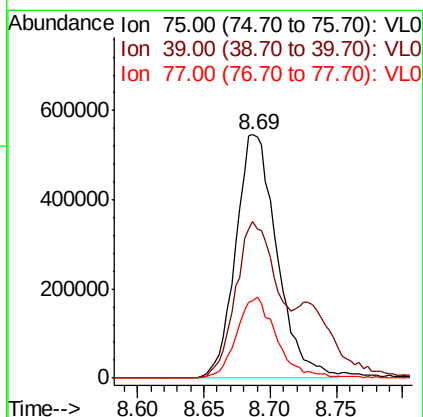
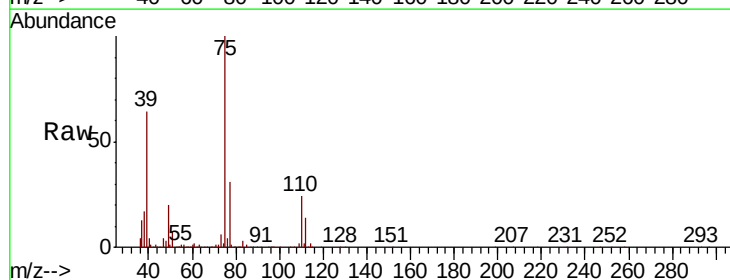
Instrument :
MSVOA_L
ClientSampleId :

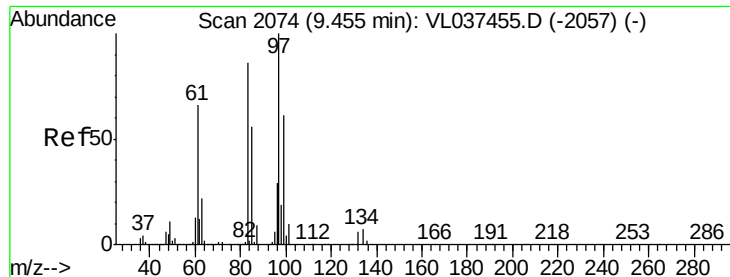
Tot Ion: 75 Resp: 883379
Ion Ratio Lower Upper
75 100
77 33.0 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 8.604 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 75 Resp: 1181018
Ion Ratio Lower Upper
75 100
39 63.8 49.7 74.5
77 31.5 25.4 38.0



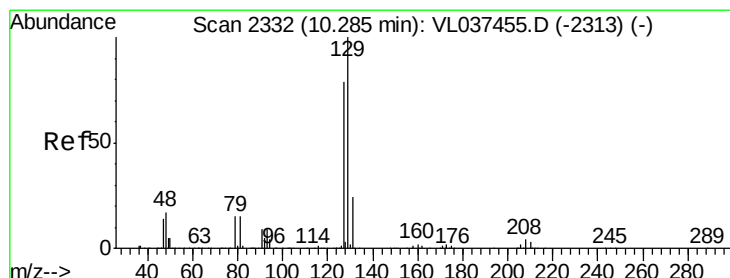
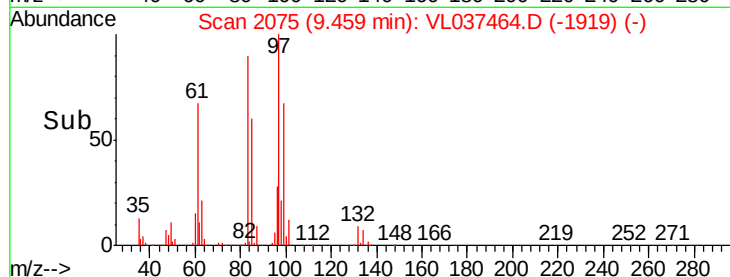
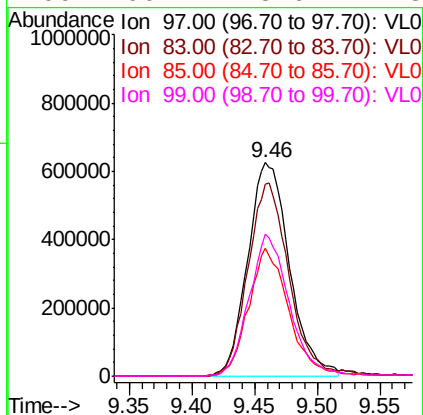
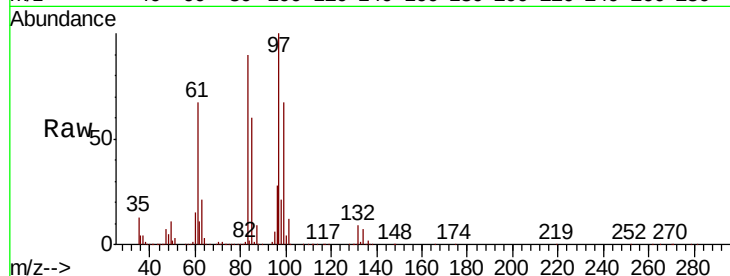


#47
 1,1,2-Trichloroethane
 Concen: 9.296 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1447476

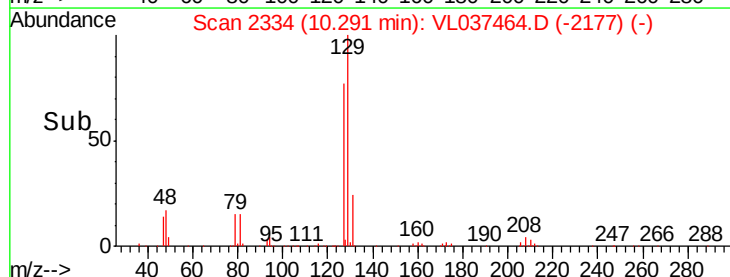
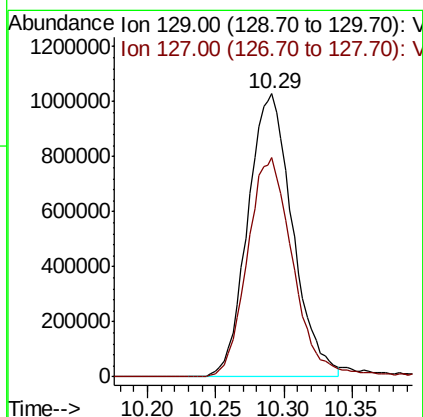
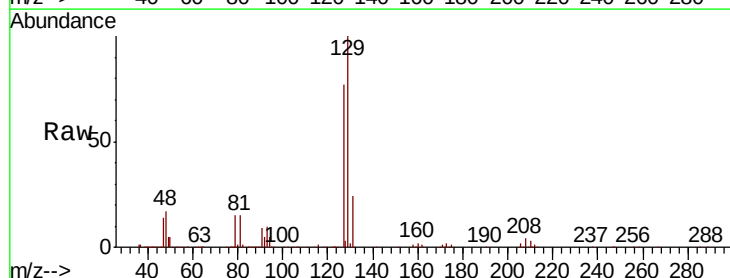
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.7	103.1
85	59.9	44.7	67.1
99	66.7	48.6	72.8

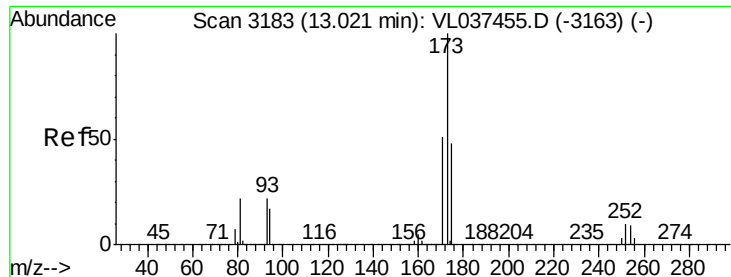


#48
 Dibromochloromethane
 Concen: 10.439 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 129 Resp: 2339172

Ion	Ratio	Lower	Upper
129	100		
127	79.5	40.0	120.0





#49

Bromoform

Concen: 10.745 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

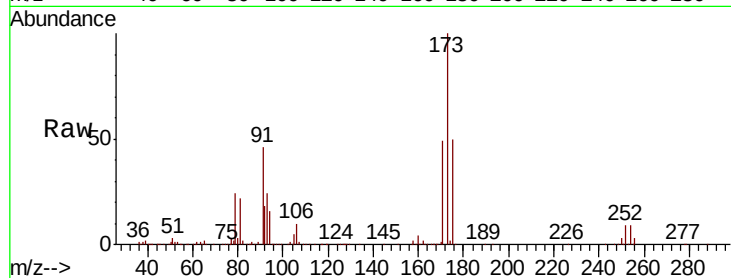
Tot Ion:173 Resp: 1898018

Ion Ratio Lower Upper

173 100

175 52.8 41.9 62.9

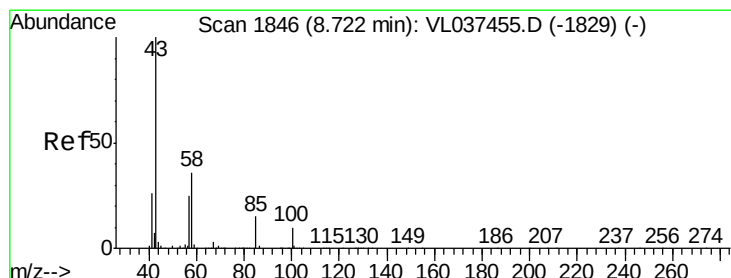
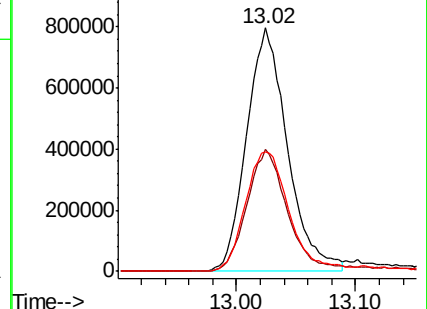
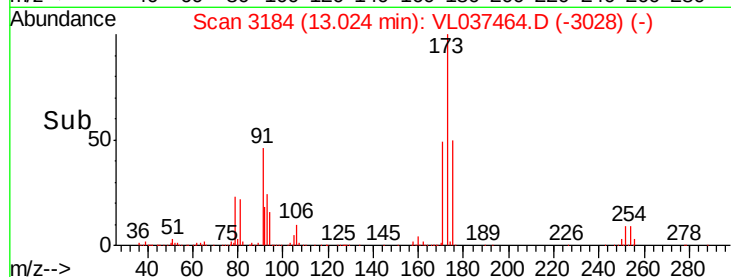
171 56.2 44.2 66.4



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: 10.085 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL037464.D

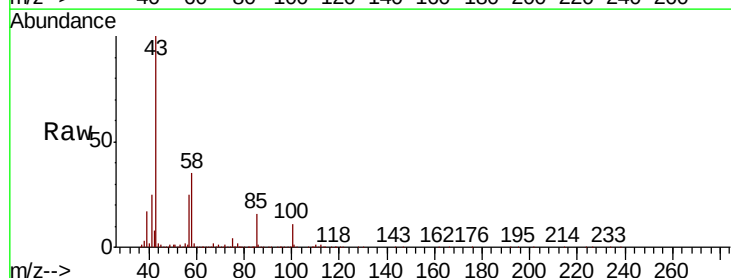
Acq: 16 Aug 2021 16:44

Tgt Ion: 43 Resp: 2396916

Ion Ratio Lower Upper

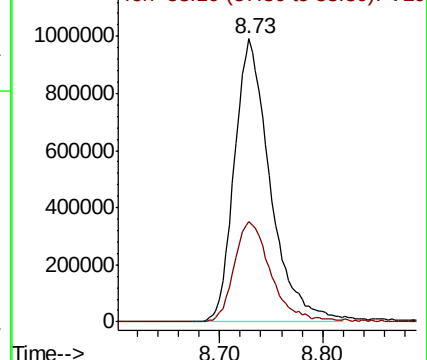
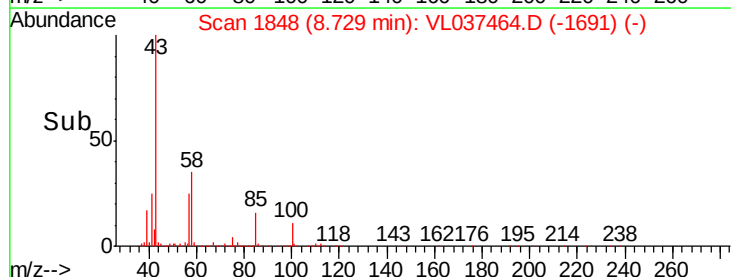
43 100

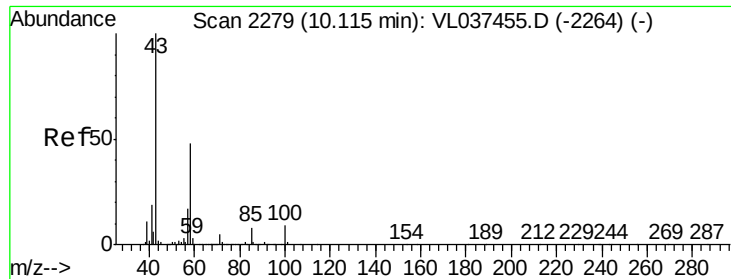
58 36.5 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

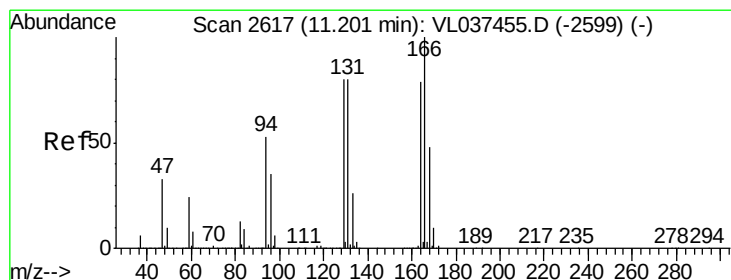
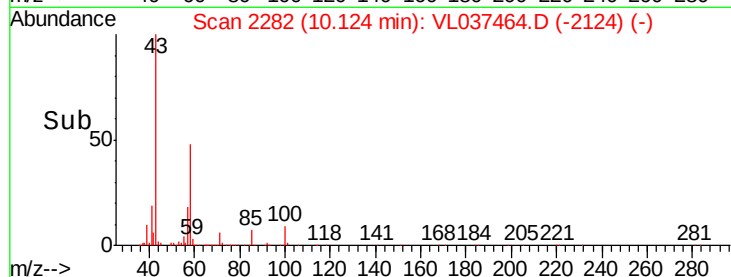
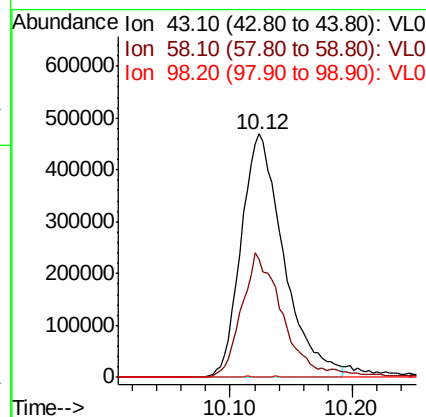
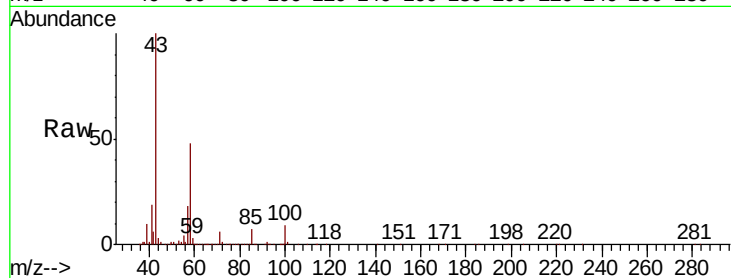




#51
2-Hexanone
Concen: 10.310 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

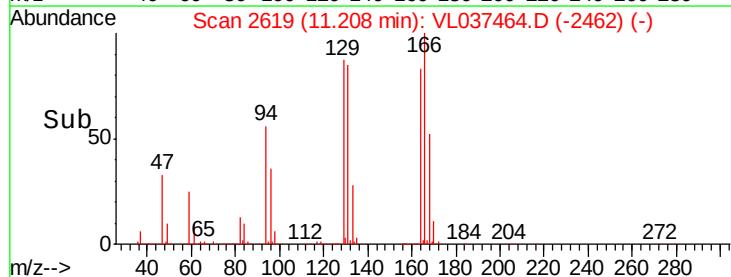
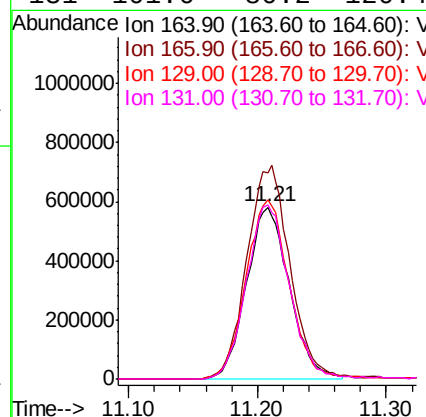
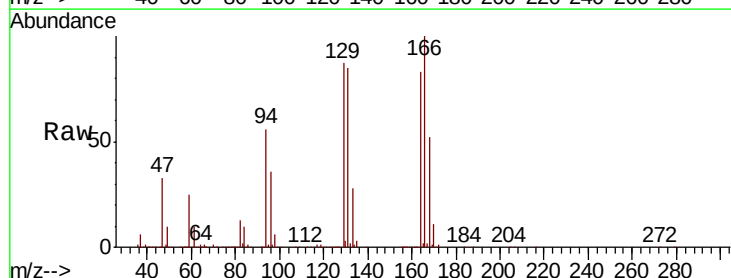
Instrument :
MSVOA_L
ClientSampleId :

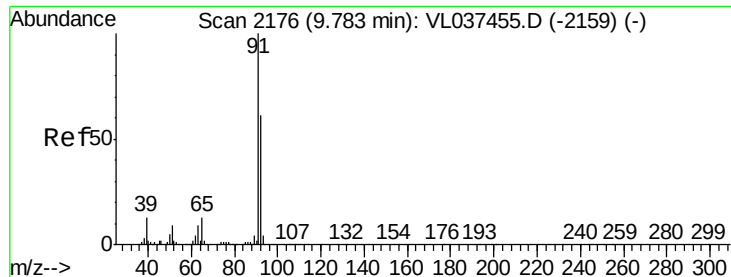
Tot Ion: 43 Resp: 1127134
Ion Ratio Lower Upper
43 100
58 51.5 41.0 61.6
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.704 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 164 Resp: 1337592
Ion Ratio Lower Upper
164 100
166 120.1 100.7 151.1
129 104.1 80.9 121.3
131 101.6 80.2 120.4





#53

Toluene

Concen: 9.716 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

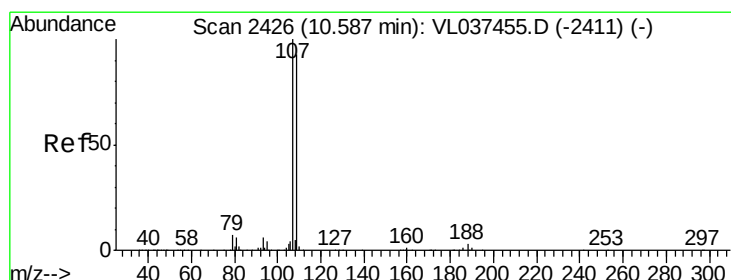
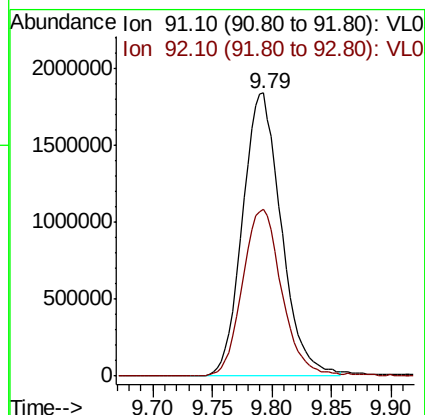
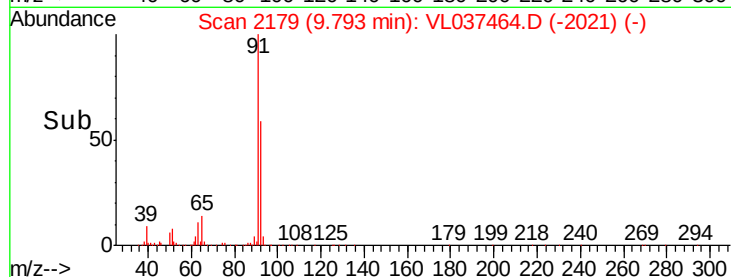
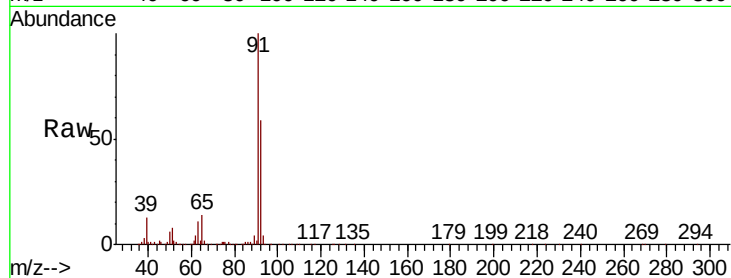
ClientSampleId :

Tot Ion: 91 Resp: 4160509

Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.445 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037464.D

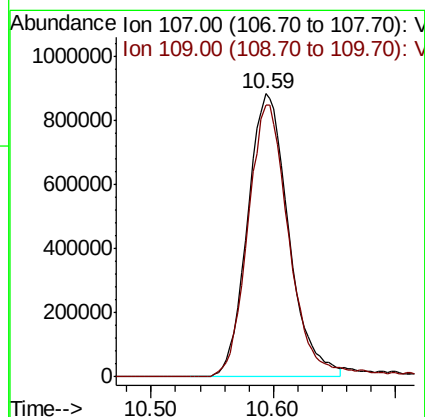
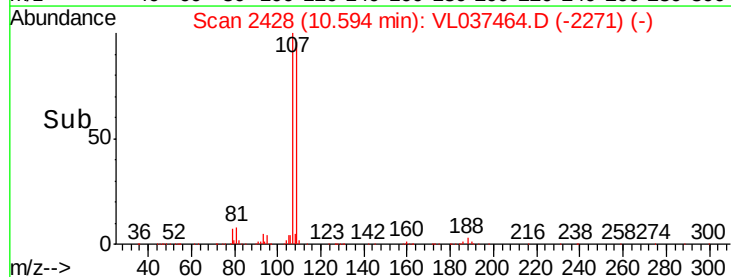
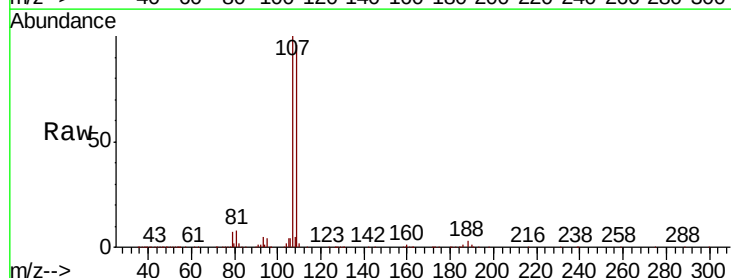
Acq: 16 Aug 2021 16:44

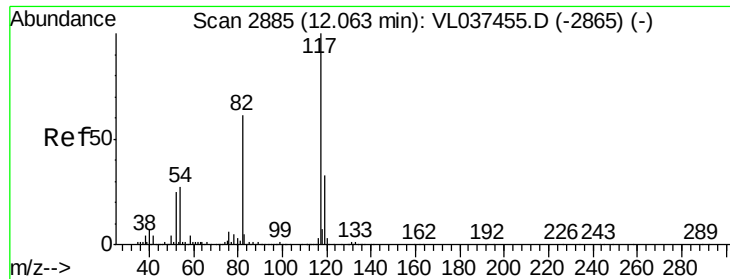
Tgt Ion: 107 Resp: 2053099

Ion Ratio Lower Upper

107 100

109 96.2 74.2 111.4

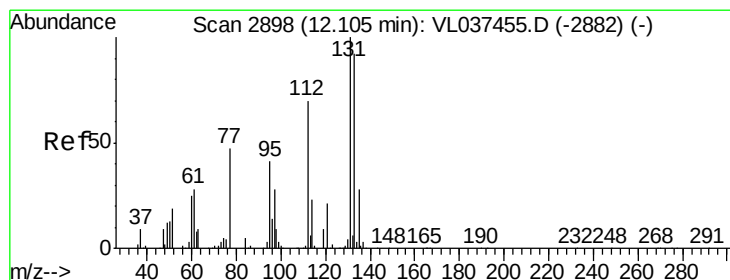
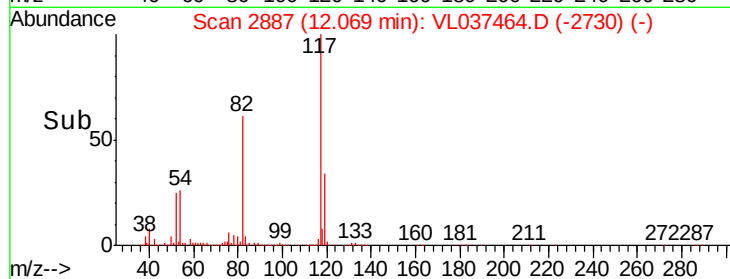
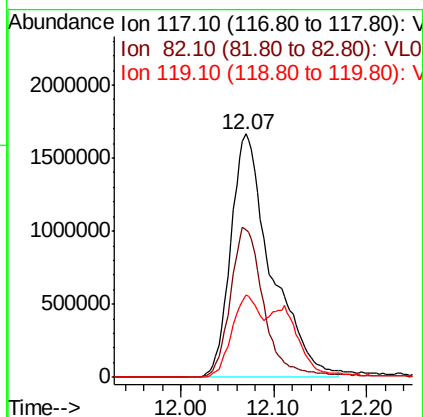
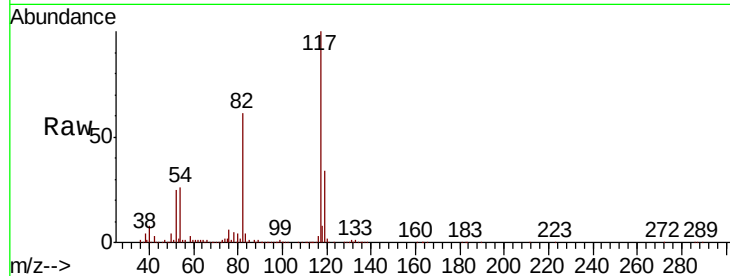




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

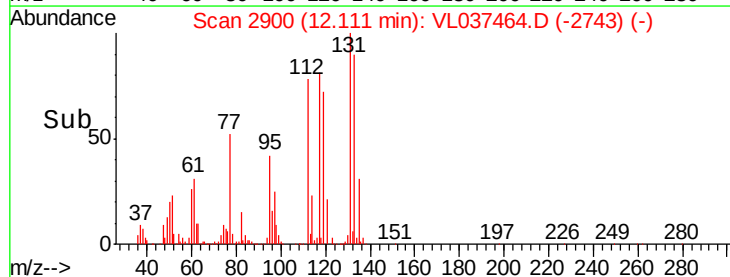
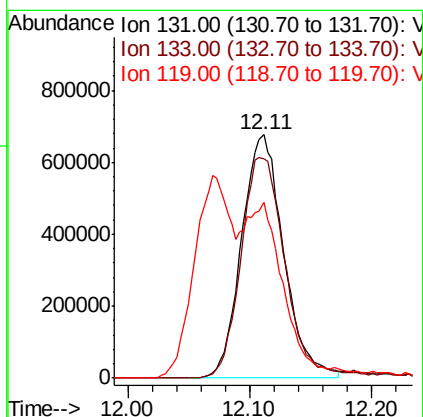
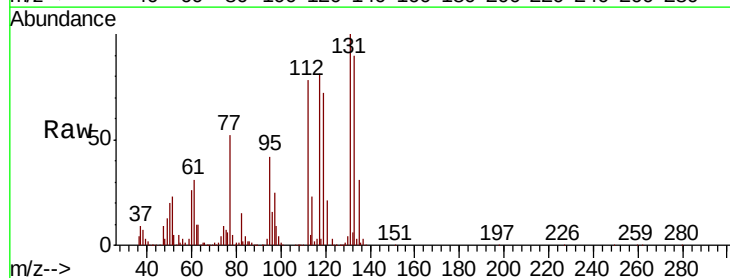
Instrument :
MSVOA_L
ClientSampleId :

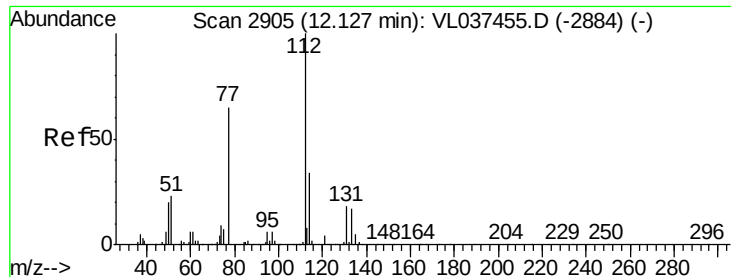
Tot Ion:117 Resp: 5046329
Ion Ratio Lower Upper
117 100
82 52.2 52.9 79.3#
119 47.6 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.653 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion:131 Resp: 1609203
Ion Ratio Lower Upper
131 100
133 99.0 78.7 118.1
119 70.7 56.6 85.0

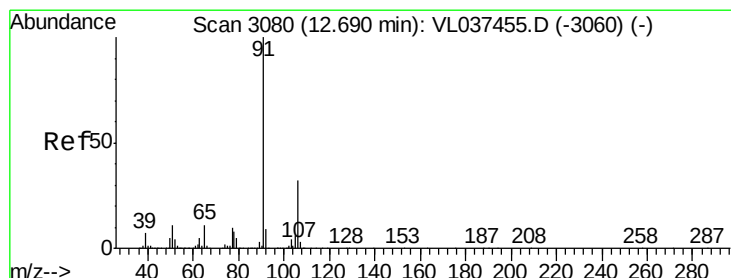
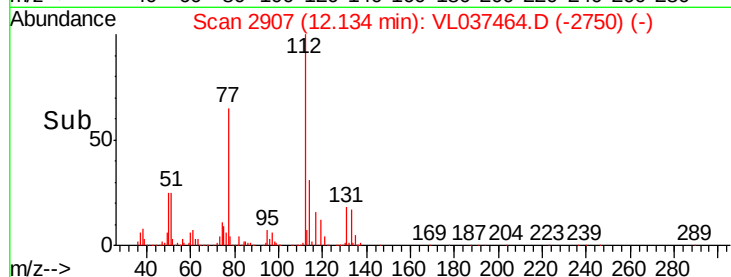
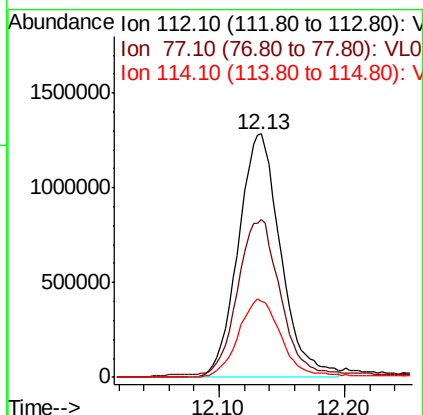
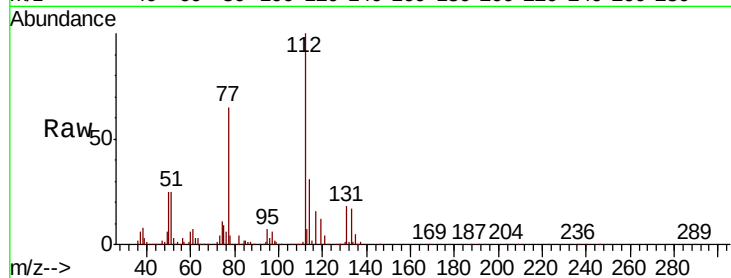




#57
Chlorobenzene
Concen: 7.189 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

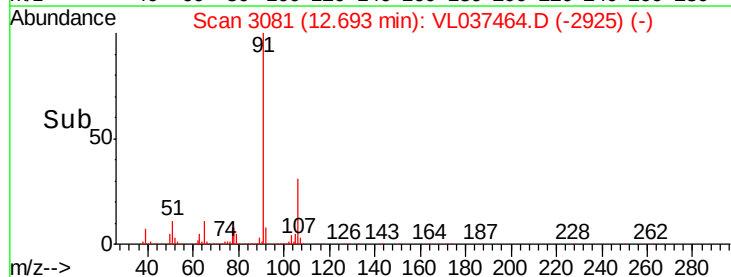
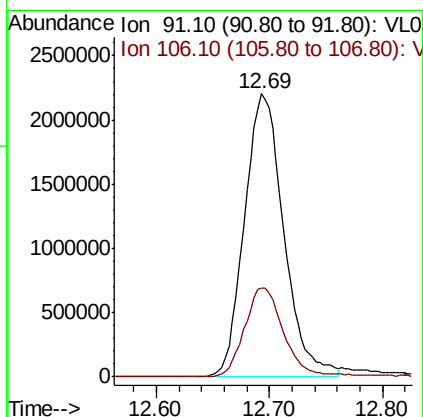
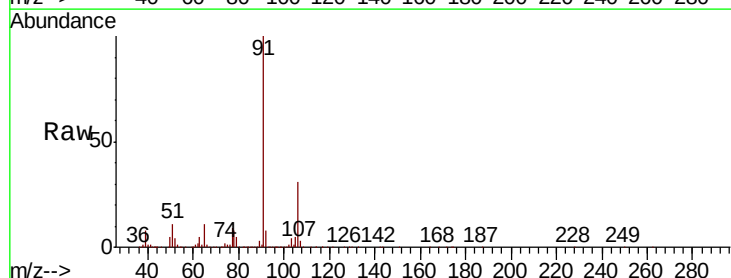
Instrument :
MSVOA_L
ClientSampleId :

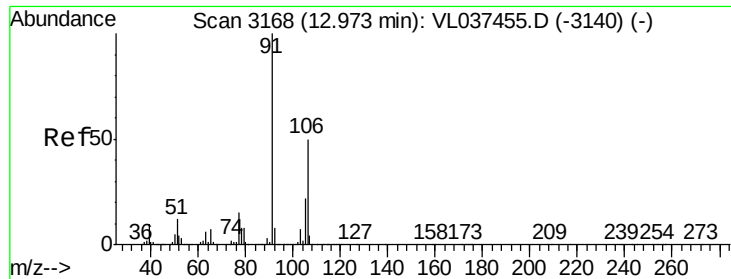
Tot Ion:112 Resp: 3010465
Ion Ratio Lower Upper
112 100
77 63.5 51.6 77.4
114 31.2 30.7 37.5



#58
Ethyl Benzene
Concen: 7.609 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 5328712
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

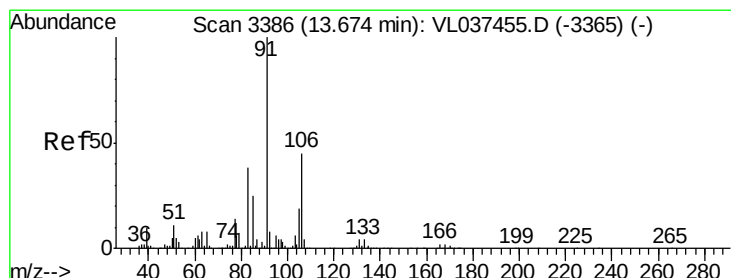
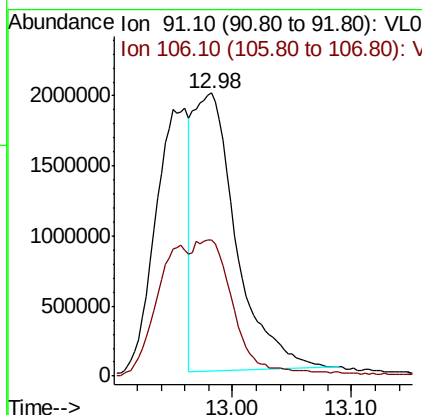
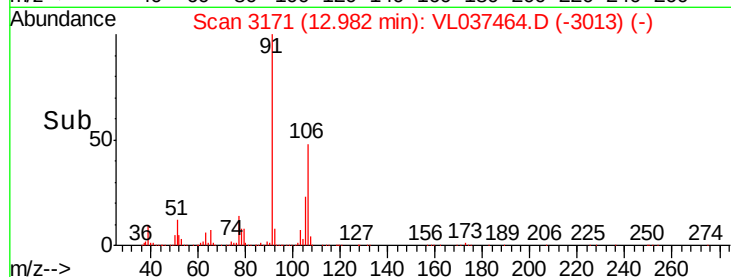
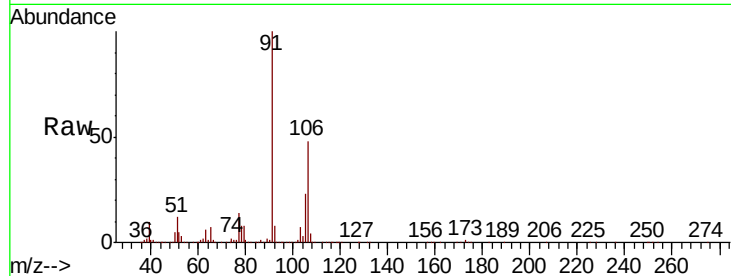




#59
m/p-Xylene
Concen: 8.199 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

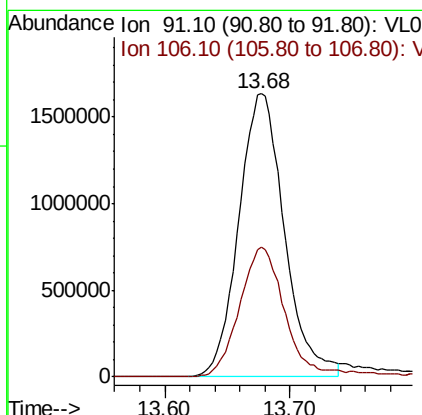
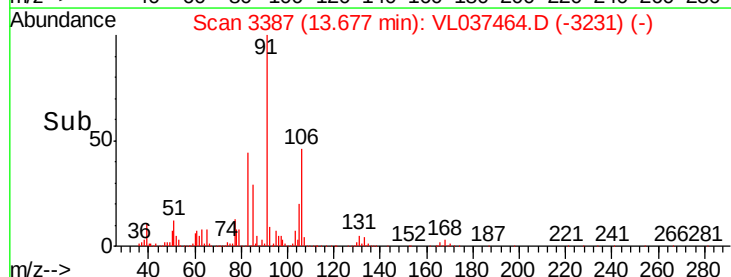
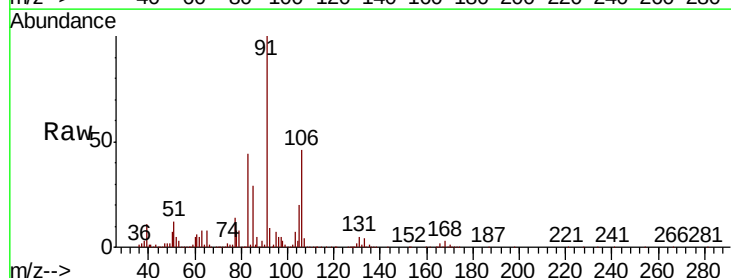
Instrument :
MSVOA_L
ClientSampled :

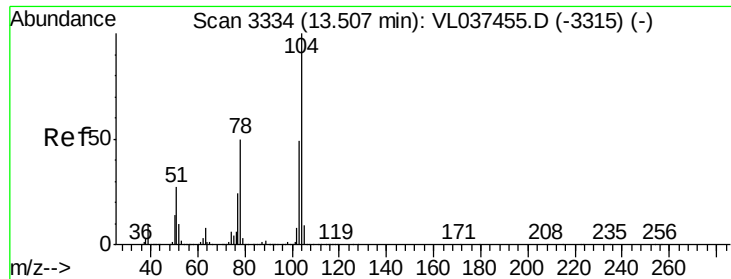
Tot Ion: 91 Resp: 4977654
Ion Ratio Lower Upper
91 100
106 84.0 36.9 55.3#



#60
o-Xylene
Concen: 7.270 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 4119598
Ion Ratio Lower Upper
91 100
106 47.7 23.7 71.1





#61

Stvrene

Concen: 8.171 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

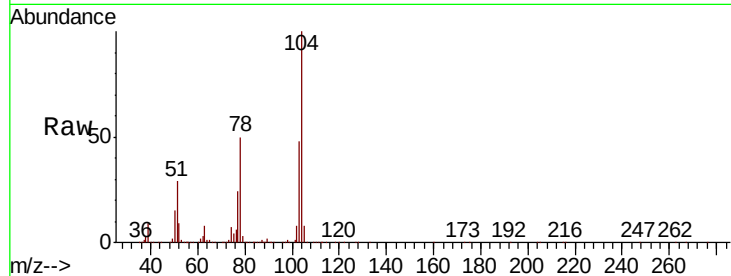
Tot Ion:104 Resp: 2405047

Ion Ratio Lower Upper

104 100

78 51.0 41.3 61.9

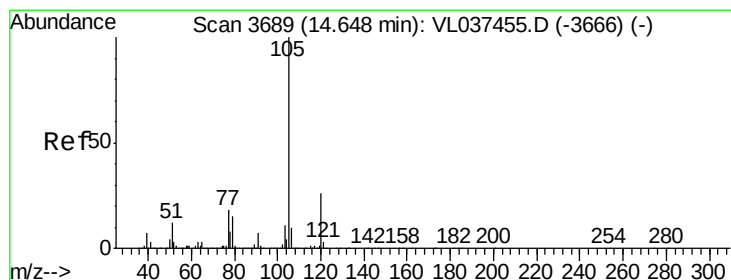
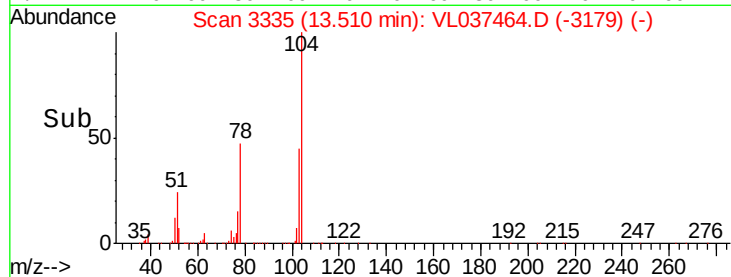
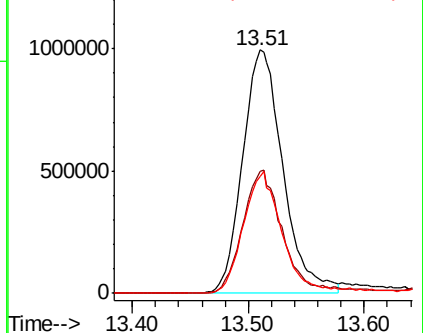
103 48.6 39.4 59.0



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: 7.373 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.00 min

Lab File: VL037464.D

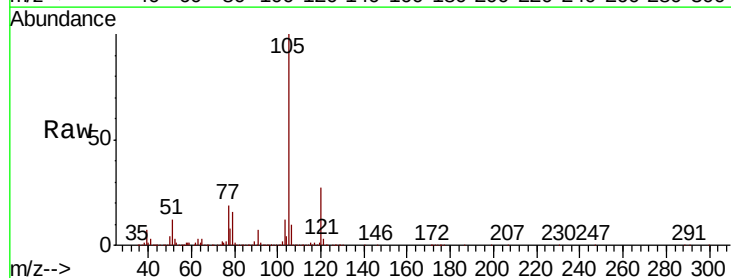
Acq: 16 Aug 2021 16:44

Tgt Ion:105 Resp: 5895936

Ion Ratio Lower Upper

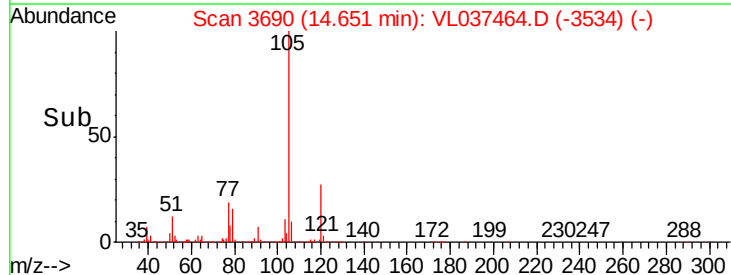
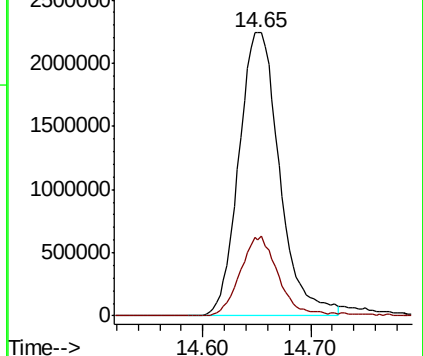
105 100

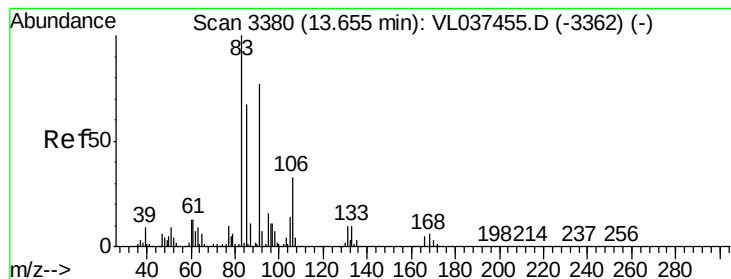
120 27.1 21.5 32.3



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: 7.327 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

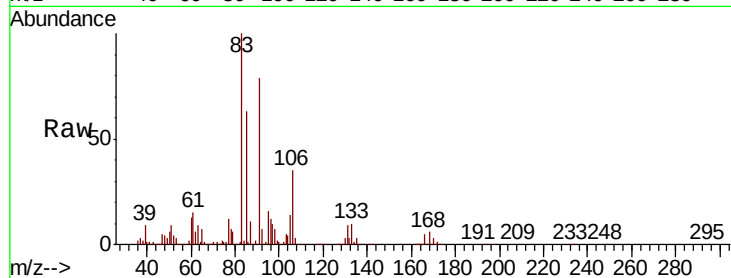
Tot Ion: 83 Resp: 3085645

Ion Ratio Lower Upper

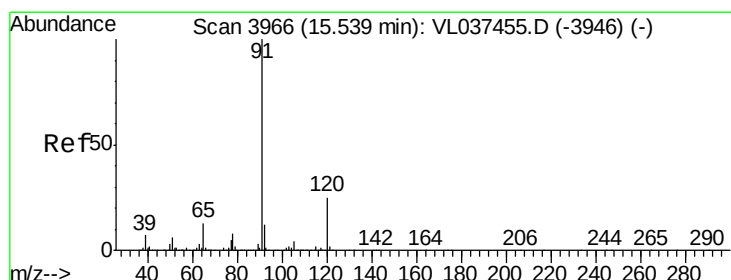
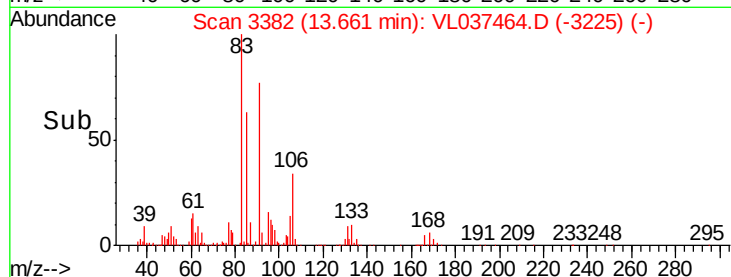
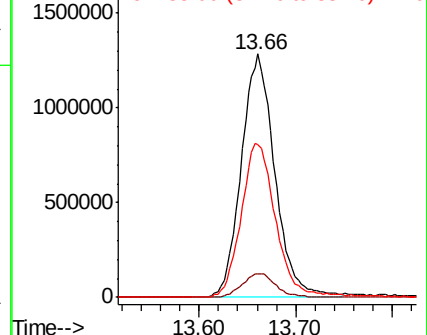
83 100

131 10.2 5.0 15.0

85 66.1 33.8 101.3



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: 4.024 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037464.D

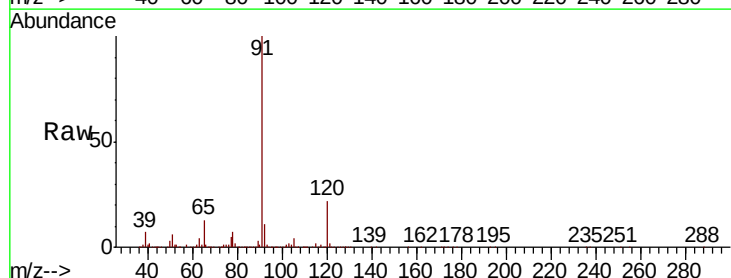
Acq: 16 Aug 2021 16:44

Tgt Ion:120 Resp: 819011

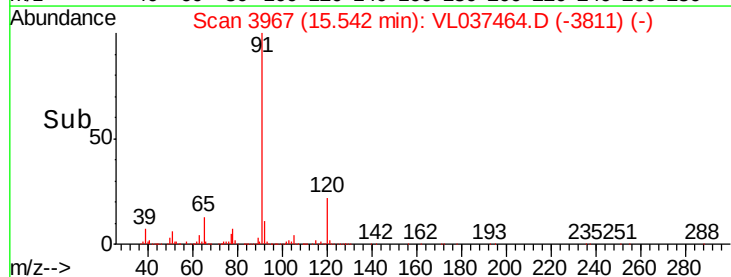
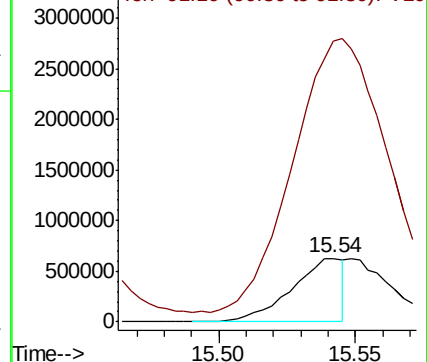
Ion Ratio Lower Upper

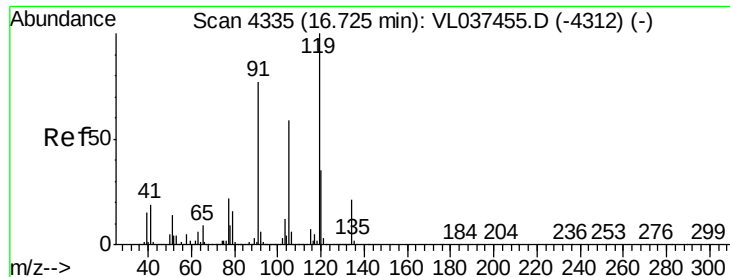
120 100

91 535.4 373.8 560.6



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

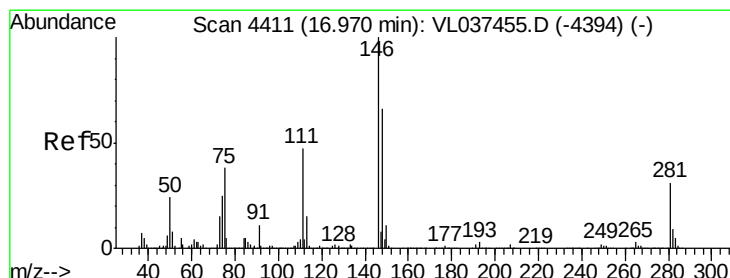
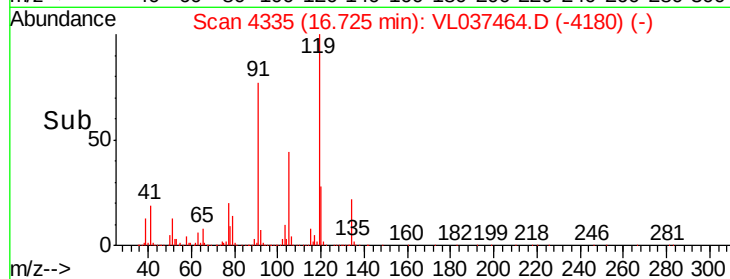
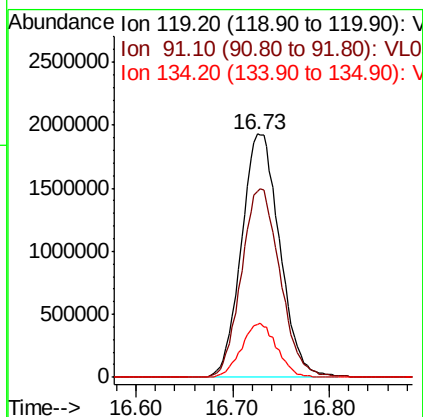
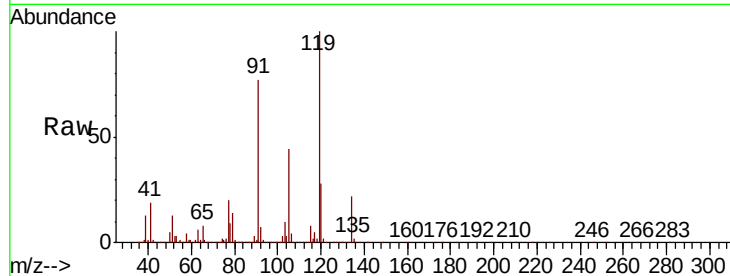




#65
tert-Butylbenzene
Concen: 7.278 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. -0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

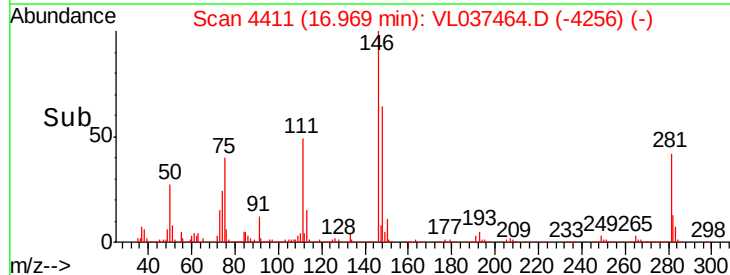
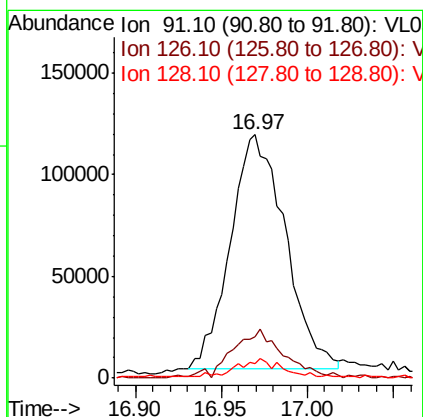
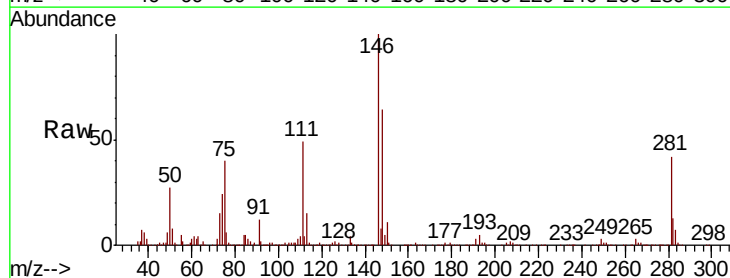
Instrument :
MSVOA_L
ClientSampleId :

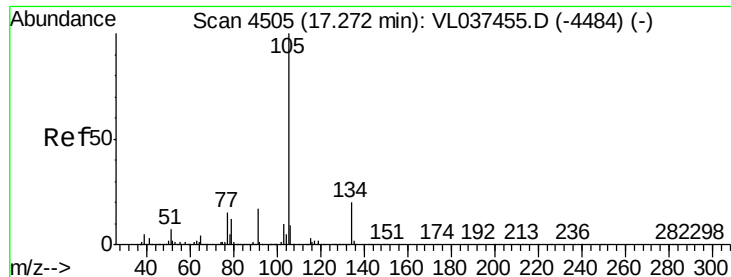
Tot Ion:119 Resp: 5301020
Ion Ratio Lower Upper
119 100
91 78.2 62.9 94.3
134 20.7 16.4 24.6



#66
Benzyl Chloride
Concen: 7.762 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 255733
Ion Ratio Lower Upper
91 100
126 20.4 15.9 23.9
128 7.9 5.4 8.0





#67

sec-Butylbenzene

Concen: 7.249 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

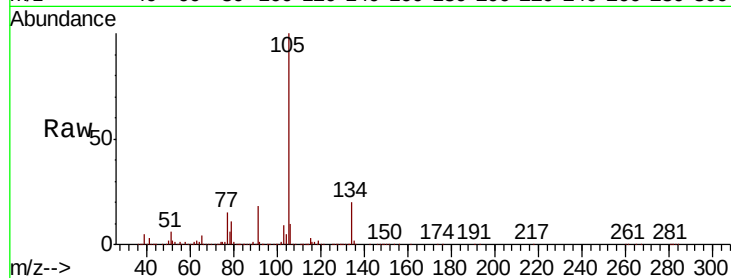
ClientSampleId :

Tot Ion:105 Resp: 7377184

Ion Ratio Lower Upper

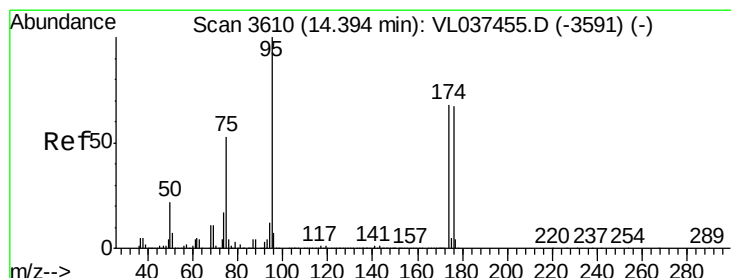
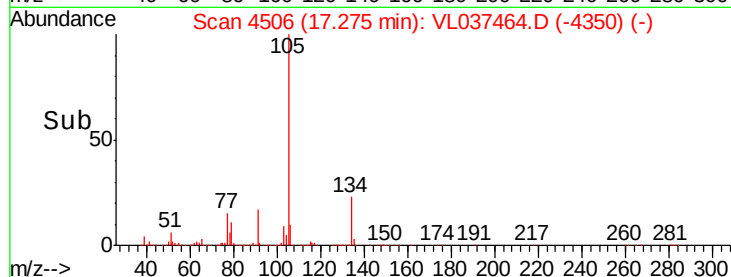
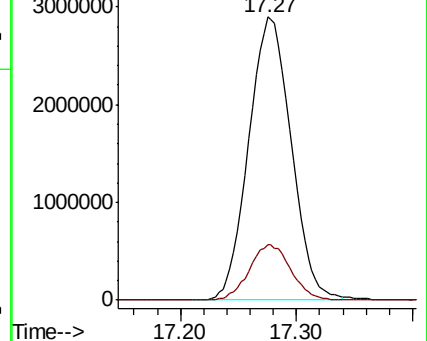
105 100

134 19.4 15.2 22.8



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: 8.382 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

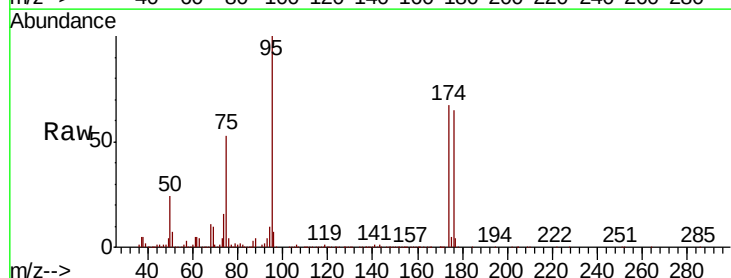
Tgt Ion: 95 Resp: 3005061

Ion Ratio Lower Upper

95 100

174 73.8 59.6 89.4

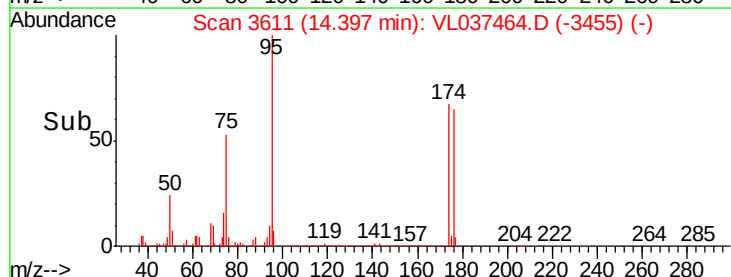
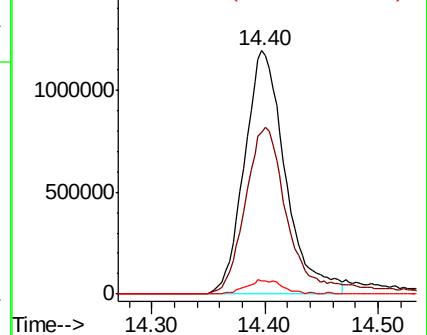
175 5.4 4.6 7.0

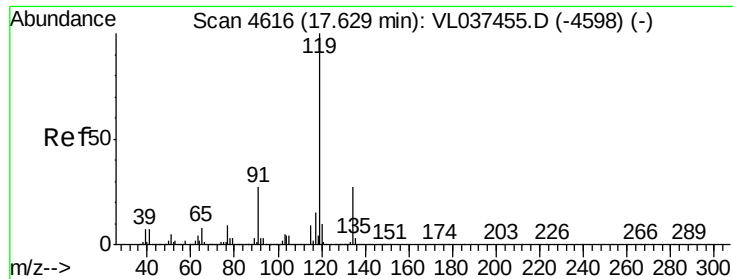


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

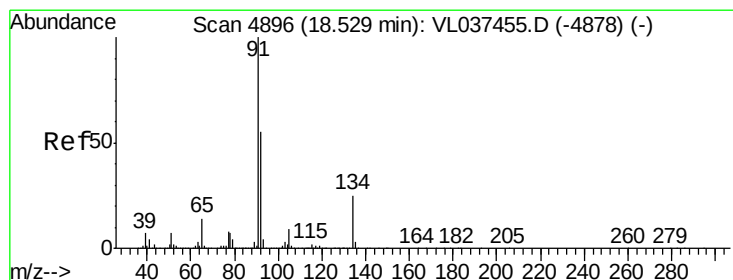
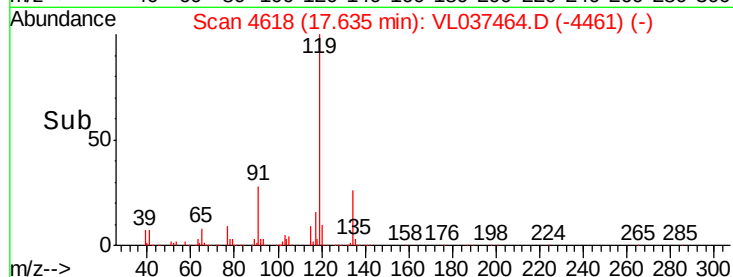
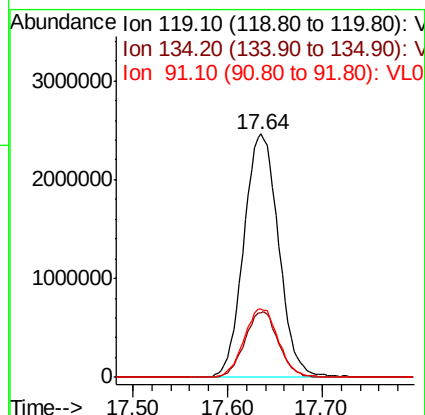
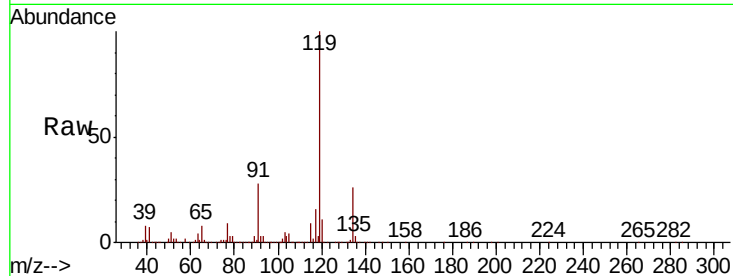




#69
 p-Isopropyltoluene
 Concen: 7.572 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

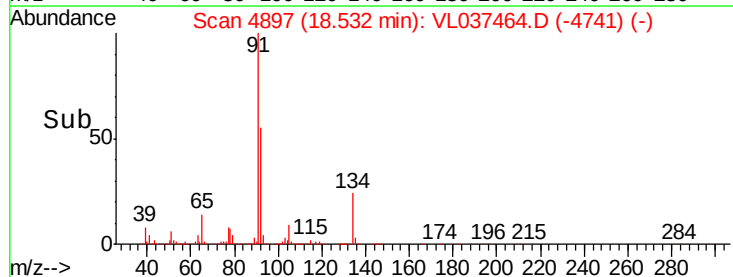
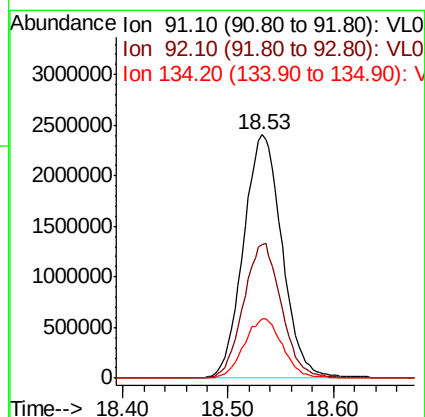
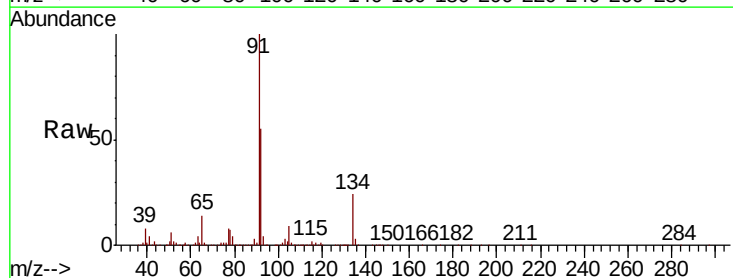
Instrument :
 MSVOA_L
 ClientSampleId :

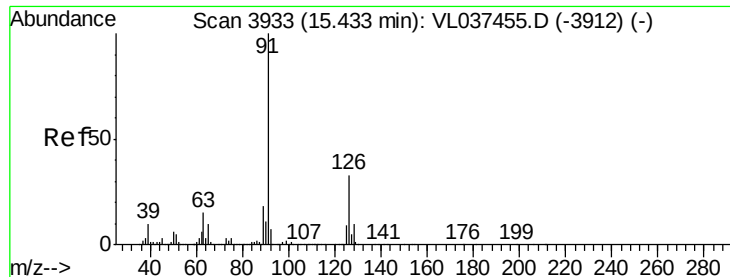
Tot Ion:119 Resp: 6279572
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.1 31.7
 91 27.7 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.721 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 6119058
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.0 66.0
 134 24.3 19.5 29.3

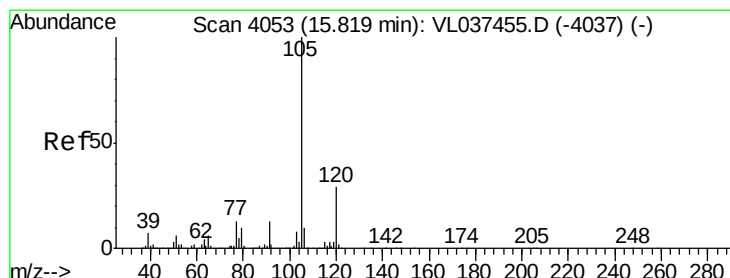
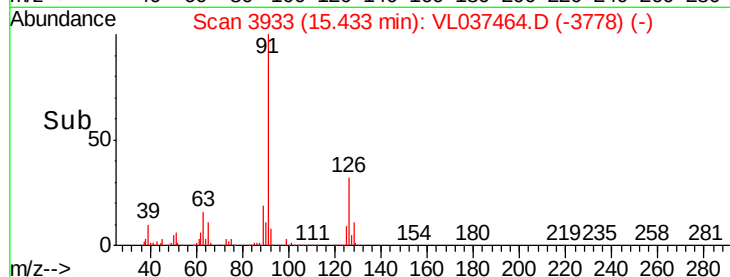
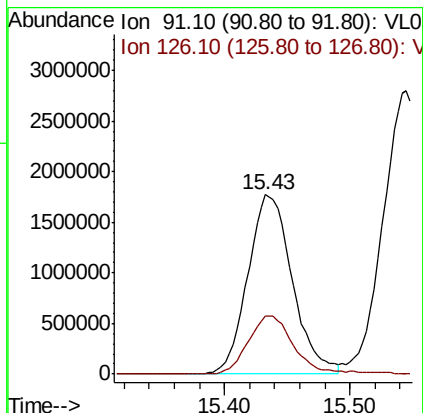
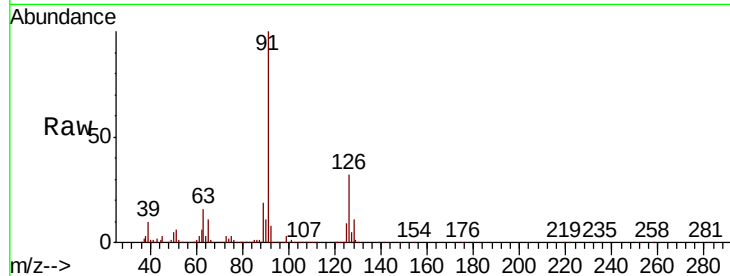




#71
 2-Chlorotoluene
 Concen: 7.473 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

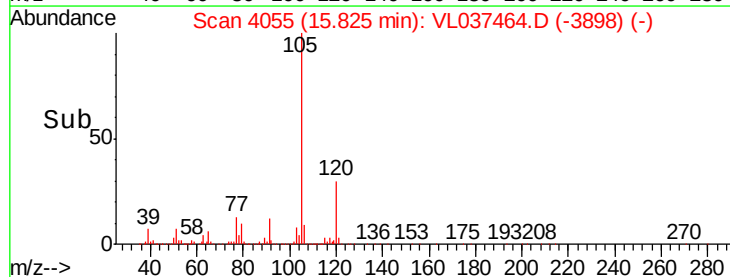
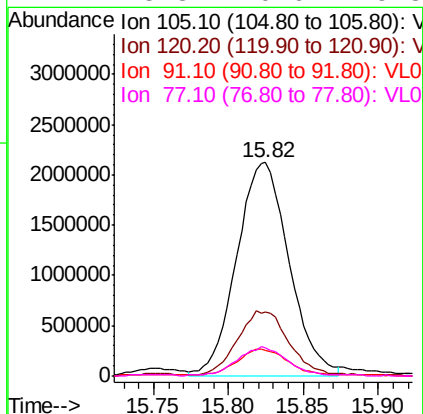
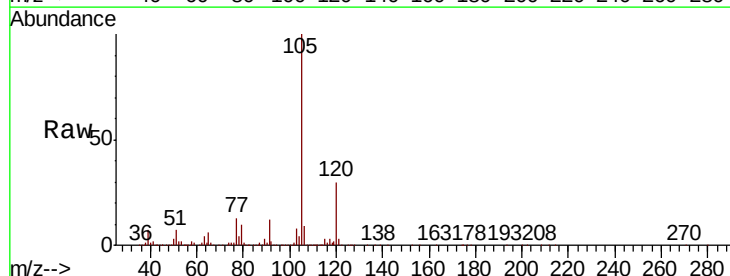
Instrument :
 MSVOA_L
 ClientSampleId :

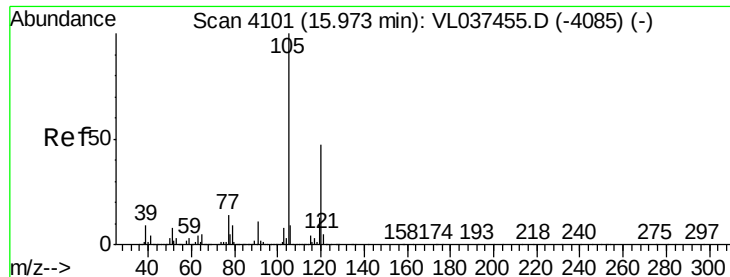
Tot Ion: 91 Resp: 4382359
 Ion Ratio Lower Upper
 91 100
 126 34.0 13.6 54.4



#72
 4-Ethyltoluene
 Concen: 7.667 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 105 Resp: 5167607
 Ion Ratio Lower Upper
 105 100
 120 30.8 24.7 37.1
 91 12.4 9.8 14.8
 77 13.3 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.655 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

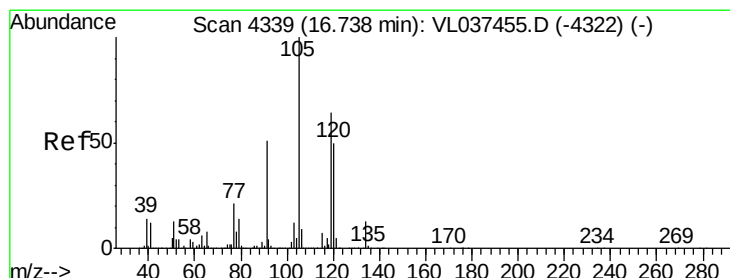
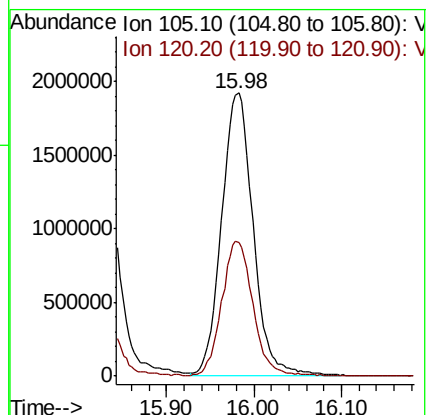
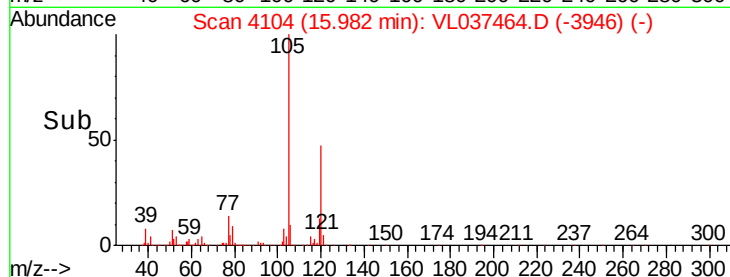
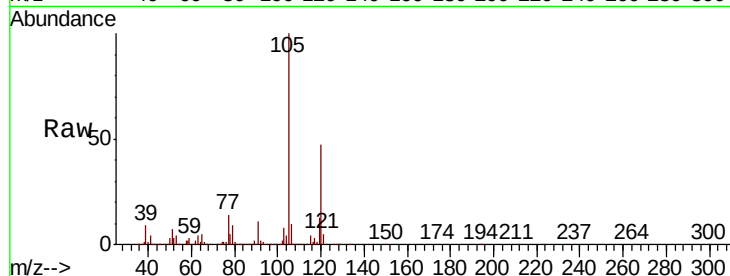
ClientSampleId :

Tot Ion:105 Resp: 4802411

Ion Ratio Lower Upper

105 100

120 47.3 37.6 56.4



#74

1,2,4-Trimethylbenzene

Concen: 7.194 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion:105 Resp: 4795815

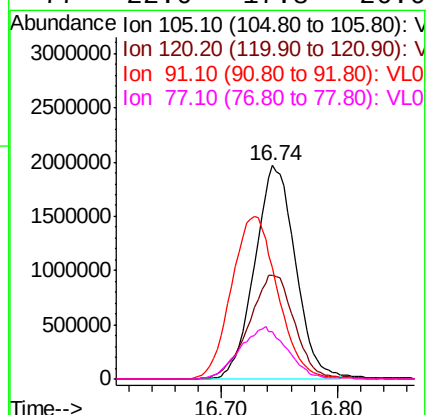
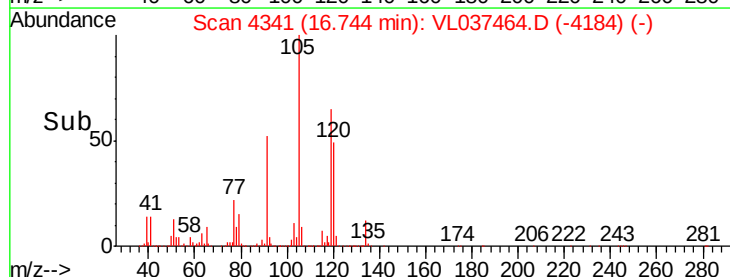
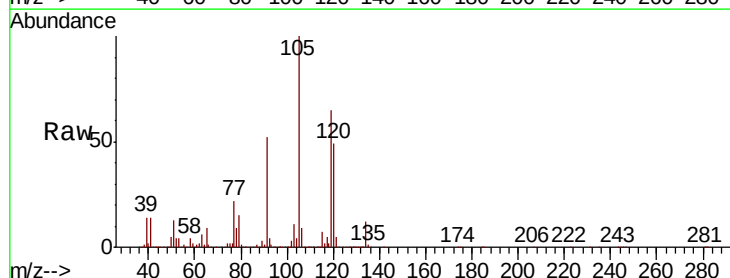
Ion Ratio Lower Upper

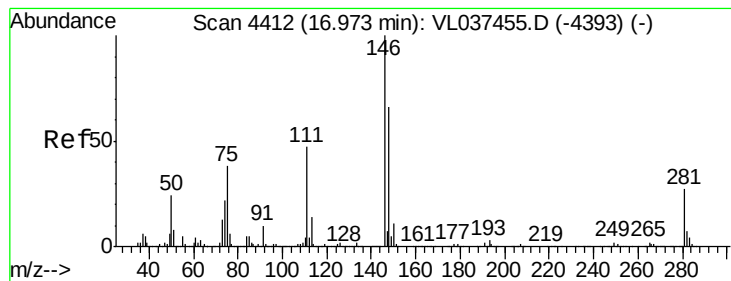
105 100

120 48.8 40.4 60.6

91 51.9 44.6 67.0

77 22.0 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 7.345 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

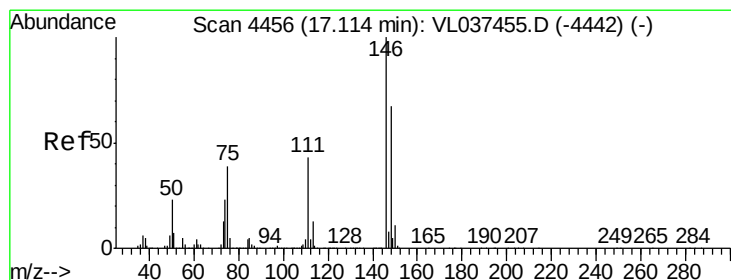
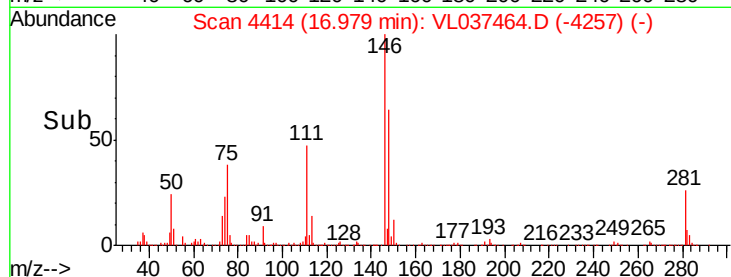
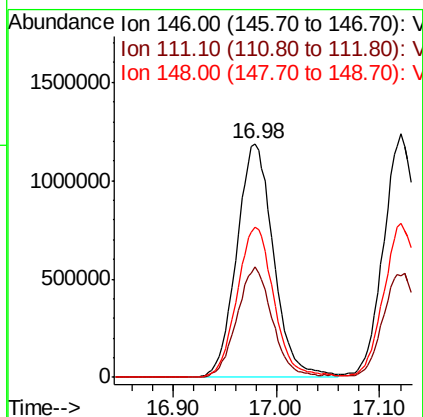
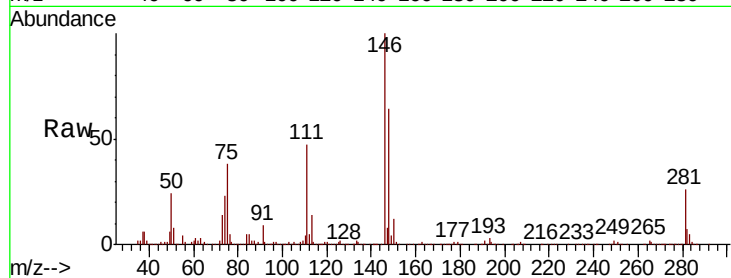
Tot Ion:146 Resp: 2947403

Ion Ratio Lower Upper

146 100

111 45.8 23.4 70.0

148 64.7 33.1 99.5



#76

1,4-Dichlorobenzene

Concen: 7.118 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

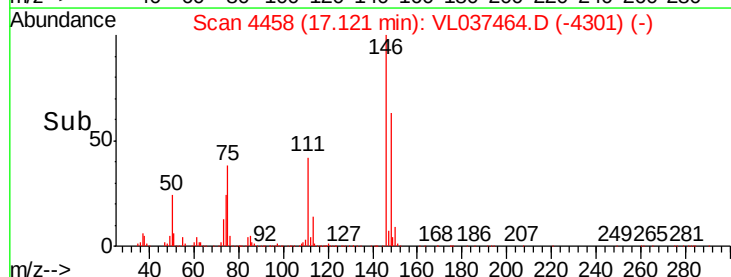
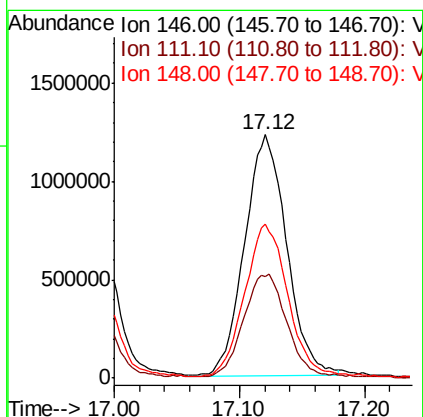
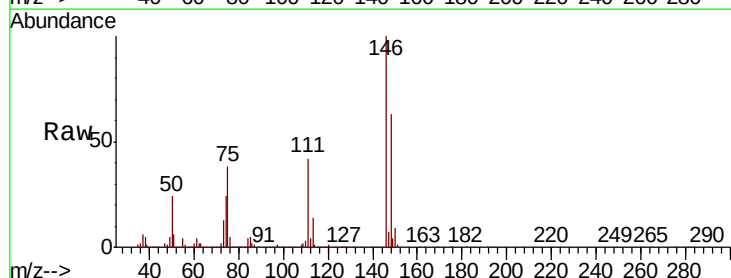
Tgt Ion:146 Resp: 2877492

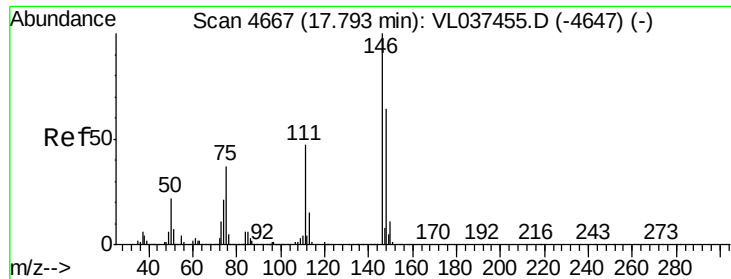
Ion Ratio Lower Upper

146 100

111 45.6 22.1 66.5

148 66.5 32.4 97.0

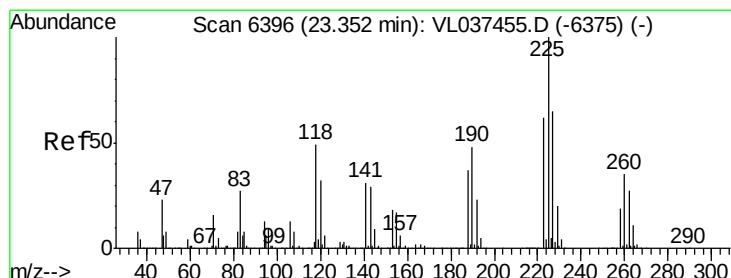
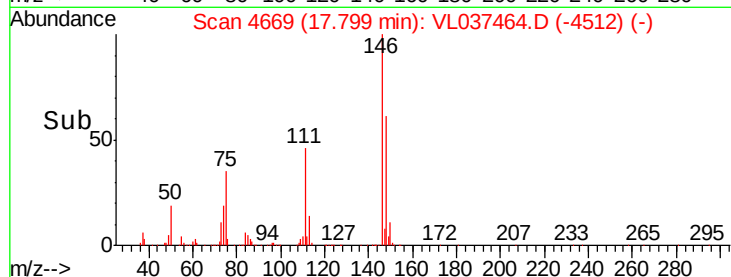
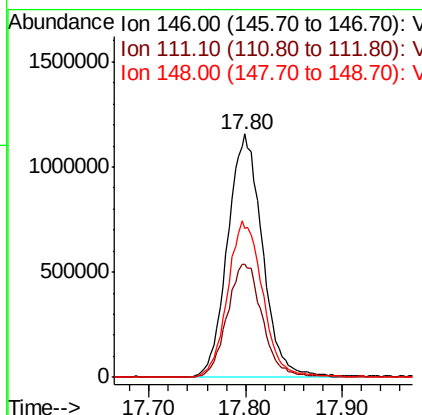
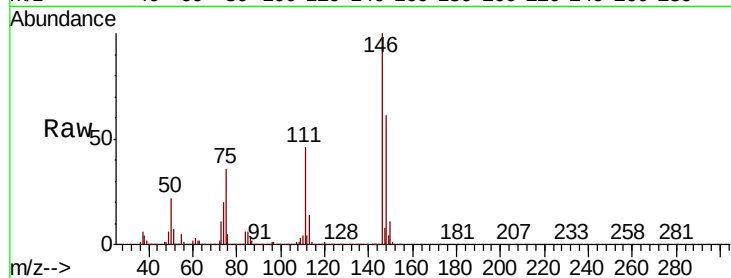




#77
 1,2-Dichlorobenzene
 Concen: 7.265 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

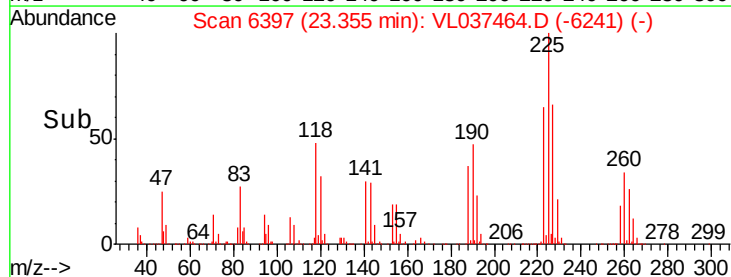
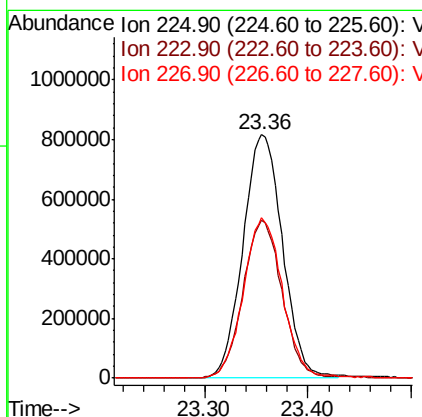
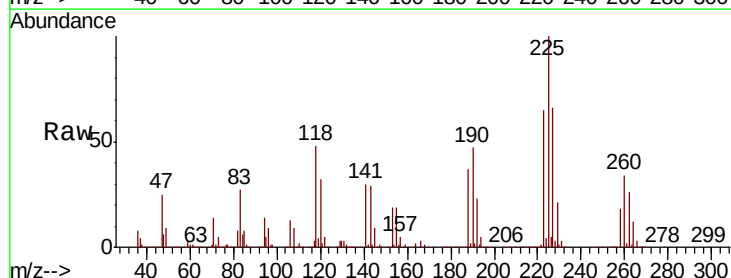
Instrument :
 MSVOA_L
 ClientSampleId :

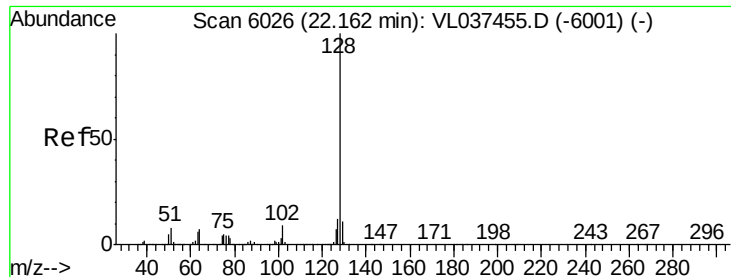
Tot Ion:146 Resp: 2870953
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.4 70.3
 148 65.1 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.635 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion:225 Resp: 2179730
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.4 77.0
 227 65.5 52.9 79.3





#79

Naphthalene

Concen: 3.410 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.02 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

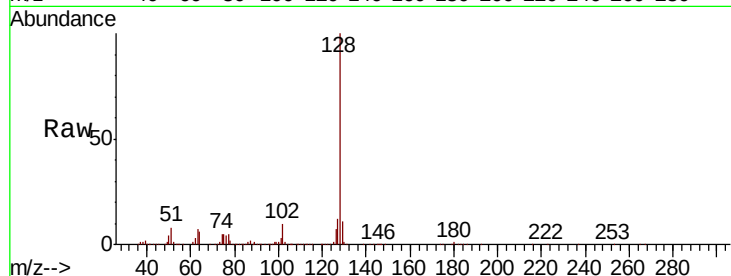
Tot Ion:128 Resp: 1521121

Ion Ratio Lower Upper

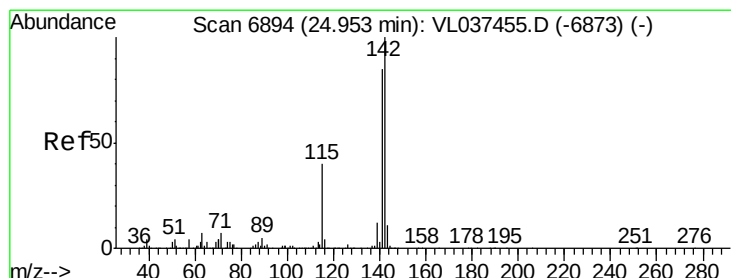
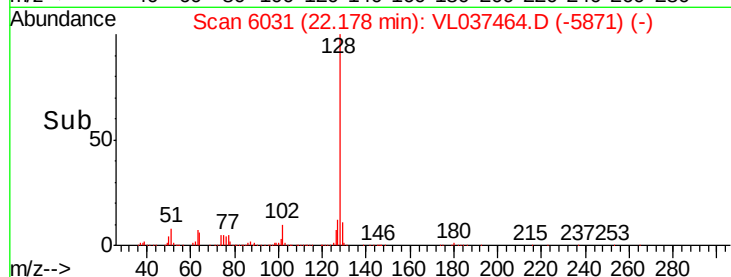
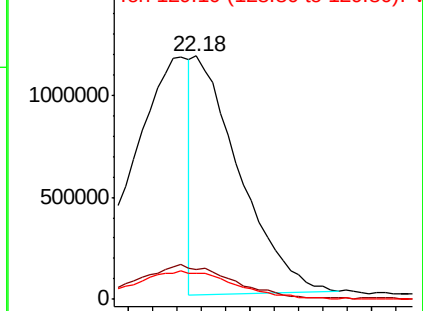
128 100

127 12.3 9.4 14.2

129 10.5 8.8 13.2



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: 7.412 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

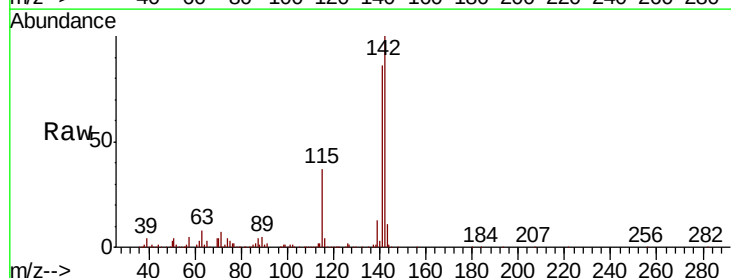
Tgt Ion:142 Resp: 921290

Ion Ratio Lower Upper

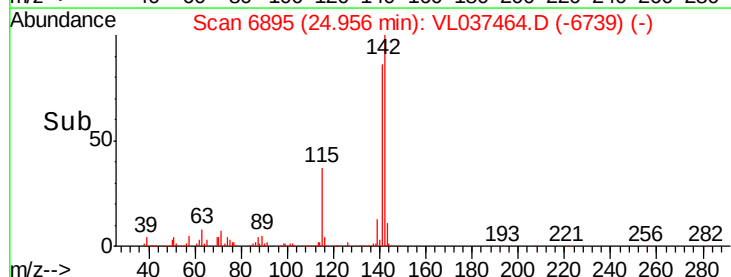
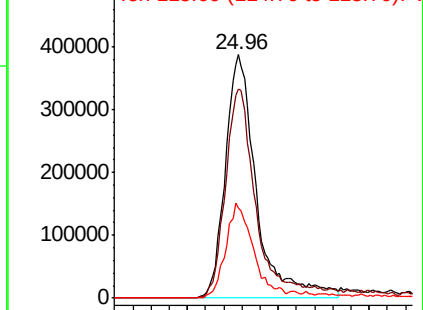
142 100

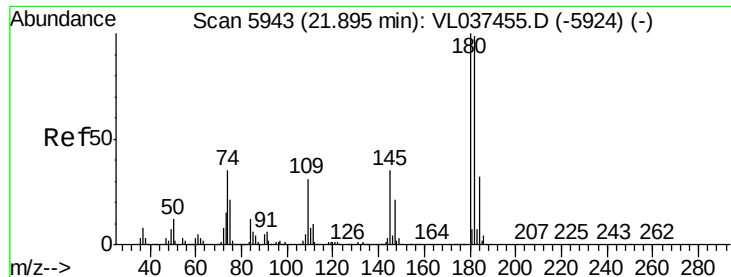
141 90.1 64.7 97.1

115 37.7 28.4 42.6



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

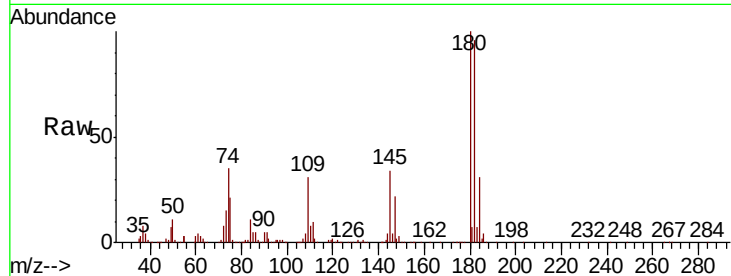




#81
 1,2,4-Trichlorobenzene
 Concen: 7.871 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2203603
 Ion Ratio Lower Upper
 180 100
 182 96.3 79.6 119.4
 184 31.3 25.4 38.2



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

