

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037143.D
 Acq On : 8 Jun 2021 22:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 09 01:22:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1338334	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4040990	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4878952	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2986373	8.15	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.04	85	2320446	10.220	ppbv	100
3) Chlorodifluoromethane	2.98	51	2719518	11.092	ppbv	97
4) Chloromethane	3.13	50	948230	11.365	ppbv	100
5) Vinyl Chloride	3.25	62	1019900	11.183	ppbv	97
6) Bromomethane	3.47	94	590176	12.281	ppbv	98
7) Chloroethane	3.55	64	357208	12.063	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2551299	11.968	ppbv	97
9) Propene	3.01	41	864030	9.841	ppbv	98
10) Heptane	8.12	43	2231881	10.200	ppbv	99
11) Trichlorofluoromethane	3.94	101	2635857	12.543	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1825544	12.195	ppbv	96
13) Ethanol	3.61	45	98612	8.418	ppbv	92
14) Bromoethene	3.74	108	799242	12.122	ppbv	99
15) Acetone	3.85	43	1352990	9.870	ppbv	97
16) 1,3-Butadiene	3.32	39	975971	11.460	ppbv	99
17) tert-Butyl alcohol	4.29	59	1447285	11.526	ppbv	98
18) 1,1-Dichloroethene	4.29	96	810258	11.706	ppbv	96
19) Isopropyl Alcohol	3.96	45	880877	11.954	ppbv	# 35
20) Methylene Chloride	4.34	84	673053	9.160	ppbv	98
21) Allyl Chloride	4.41	41	1169466	11.309	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	835165	12.590	ppbv	97
23) Vinyl Acetate	5.07	43	2511133	11.541	ppbv	# 98
24) 1,1-Dichloroethane	5.01	63	1815446	11.592	ppbv	99
25) Ethyl Acetate	5.67	43	3519916	10.686	ppbv	100
26) Hexane	5.68	57	1679631	9.981	ppbv	97
27) Carbon Disulfide	4.55	76	1886048	11.121	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2151358	10.666	ppbv	99
29) Chloroform	5.75	83	2761830	11.617	ppbv	99
30) Cyclohexane	7.13	84	1509137	10.553	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1711205	11.342	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2871723	11.249	ppbv	99
34) 2-Butanone	5.24	43	1674178	11.378	ppbv	99
35) Carbon Tetrachloride	7.01	117	3058074	11.390	ppbv	98
36) Benzene	6.89	78	3544655	10.184	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2102554	12.184	ppbv	98
38) Trichloroethene	7.83	130	1524615	10.239	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1349270	10.063	ppbv	97
40) 1,4-Dioxane	7.83	88	339751	10.731	ppbv	# 100
41) Tetrahydrofuran	6.05	42	818911	9.772	ppbv	97
42) Bromodichloromethane	7.79	83	2920169	11.185	ppbv	98
43) Methyl Methacrylate	8.01	69	1280586	10.674	ppbv	97

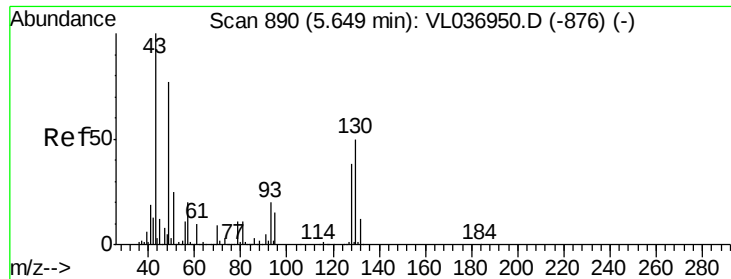
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5792850	9.701	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1279591	13.961	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1597933	12.962	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1526068	10.874	ppbv	98
48) Dibromochloromethane	10.30	129	2724147	11.988	ppbv	99
49) Bromoform	13.04	173	2256606	12.025	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2535273	10.442	ppbv	99
51) 2-Hexanone	10.14	43	1326283	10.332	ppbv #	97
52) Tetrachloroethene	11.22	164	1488777	10.756	ppbv	98
53) Toluene	9.81	91	4261006	10.288	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2299712	11.526	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1847469	8.999	ppbv #	56
57) Chlorobenzene	12.15	112	3289445	8.695	ppbv	99
58) Ethyl Benzene	12.71	91	5720978	8.308	ppbv	99
59) m/p-Xylene	12.99	91	4756329	8.356	ppbv #	30
60) o-Xylene	13.69	91	4636224	8.540	ppbv	98
61) Styrene	13.53	104	2692004	8.802	ppbv	98
62) Isopropylbenzene	14.66	105	6404392	8.209	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3101140	7.649	ppbv	99
64) n-propylbenzene	15.56	120	1748525	8.686	ppbv	99
65) tert-Butylbenzene	16.74	119	5834498	8.287	ppbv	99
66) Benzyl Chloride	16.99	91	300546	7.694	ppbv	95
67) sec-Butylbenzene	17.29	105	7780036	8.101	ppbv	99
69) p-Isopropyltoluene	17.65	119	6780952	8.212	ppbv	99
70) n-Butylbenzene	18.55	91	6367695	8.118	ppbv	99
71) 2-Chlorotoluene	15.45	91	4734876	8.403	ppbv	99
72) 4-Ethyltoluene	15.84	105	5551721	8.616	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5087404	8.408	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	5308800	8.486	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	3300195	8.639	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3191368	8.262	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3133072	8.185	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2039492	6.626	ppbv	100
79) Naphthalene	22.19	128	3942171	8.031	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	936244	8.771	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2288694	7.648	ppbv	98

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

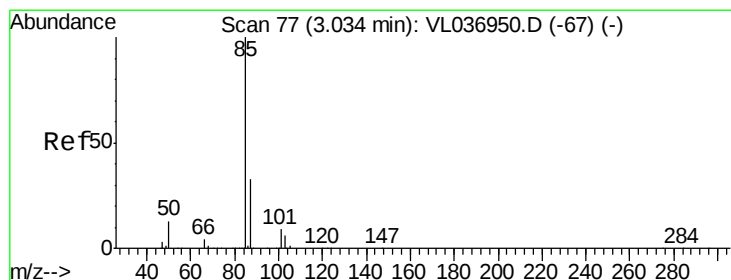
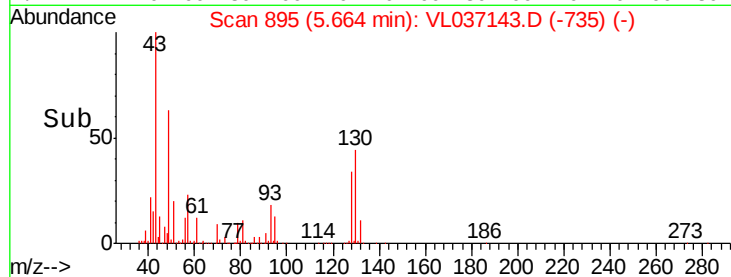
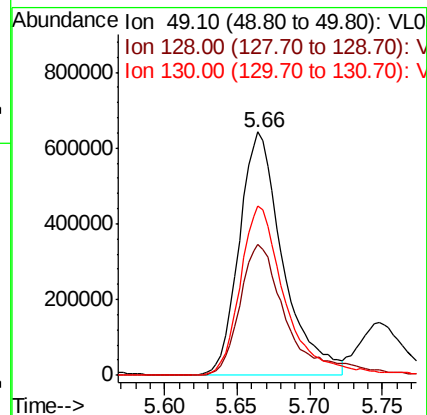
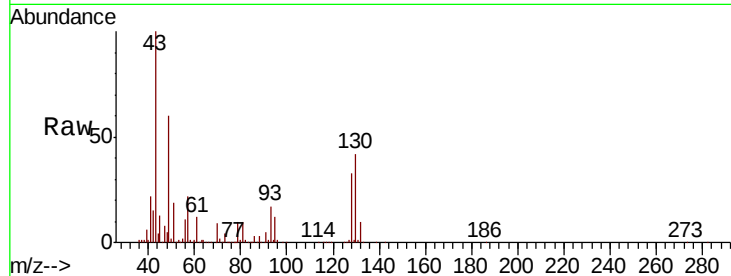


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :

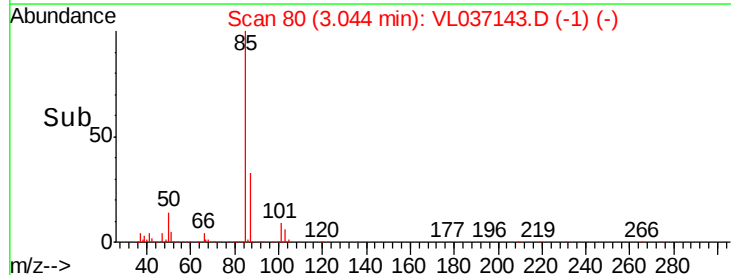
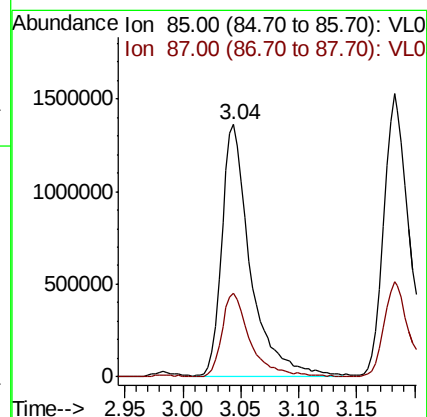
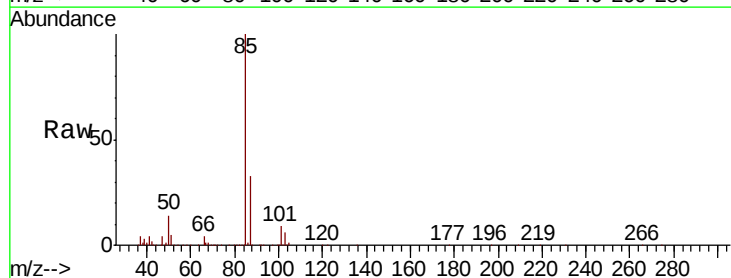
Tot Ion: 49 Resp: 1338334
 Ion Ratio Lower Upper
 49 100
 128 59.5 26.9 80.7
 130 72.3 33.8 101.4

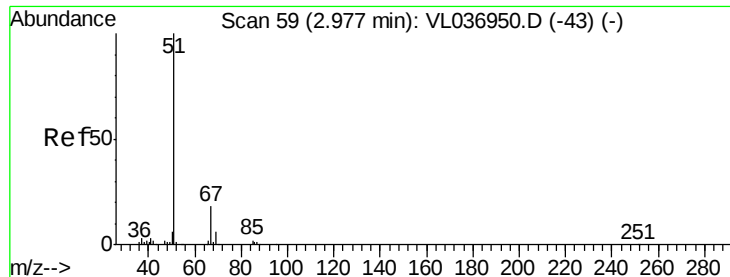


#2

Dichlorodifluoromethane
 Concen: 10.220 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 85 Resp: 2320446
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.6 39.8





#3

Chlorodifluoromethane

Concen: 11.092 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

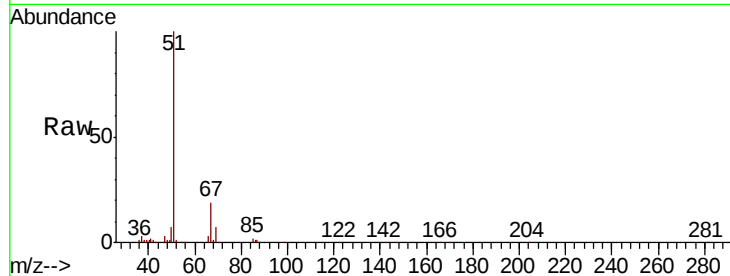
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2719518

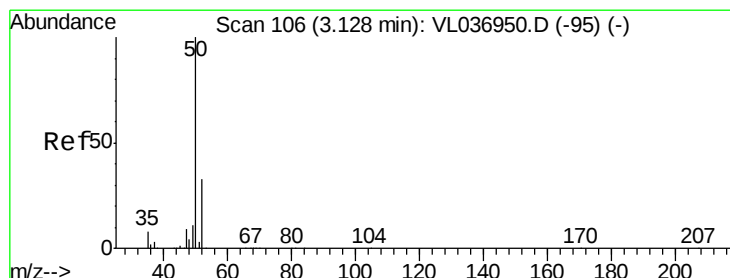
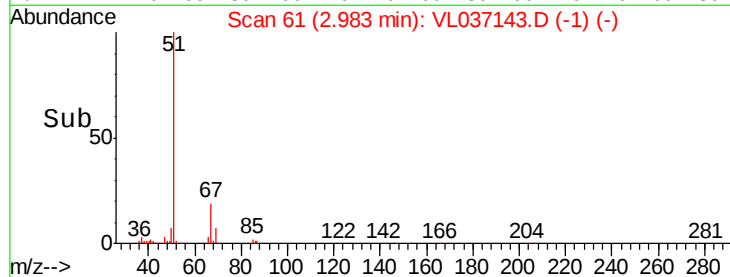
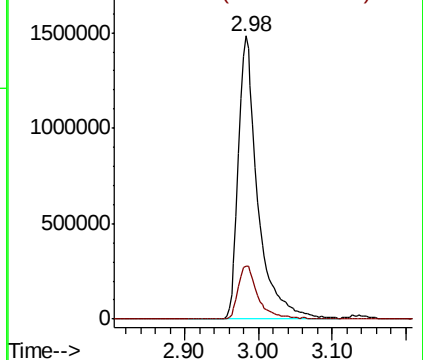
Ion Ratio Lower Upper

51 100

67 19.7 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.365 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037143.D

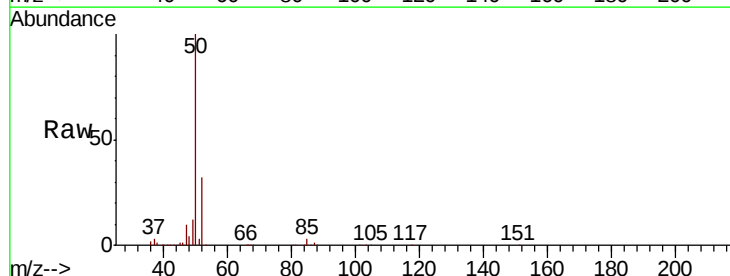
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Tgt Ion: 50 Resp: 948230

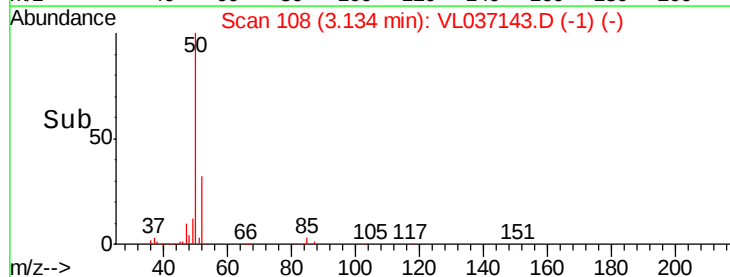
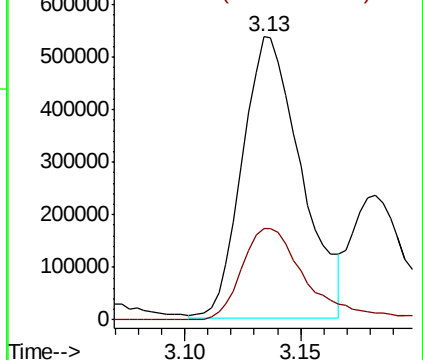
Ion Ratio Lower Upper

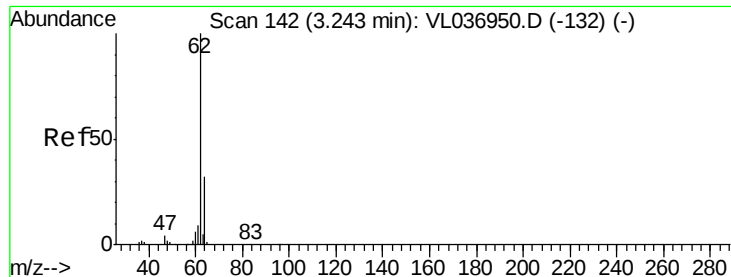
50 100

52 32.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.183 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

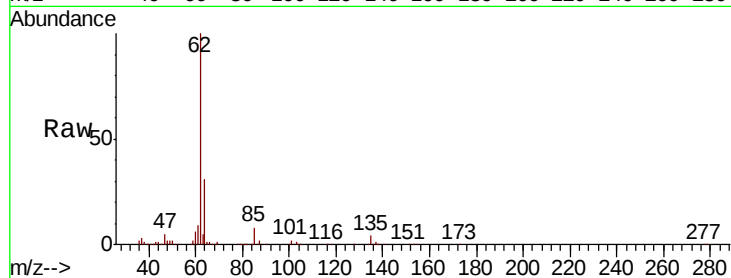
ClientSampleId :

Tot Ion: 62 Resp: 1019900

Ion Ratio Lower Upper

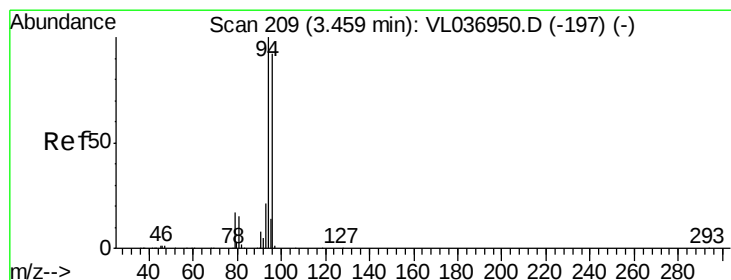
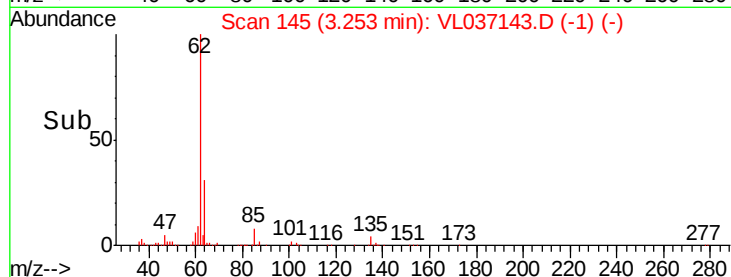
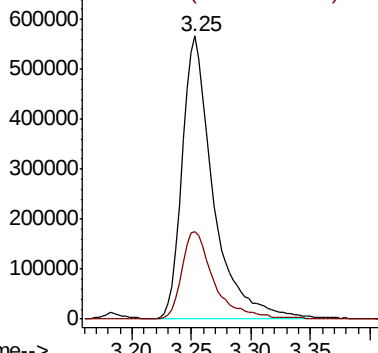
62 100

64 30.9 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 12.281 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL037143.D

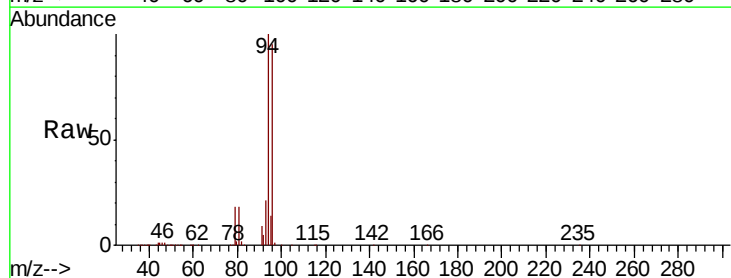
Acq: 8 Jun 2021 22:15

Tgt Ion: 94 Resp: 590176

Ion Ratio Lower Upper

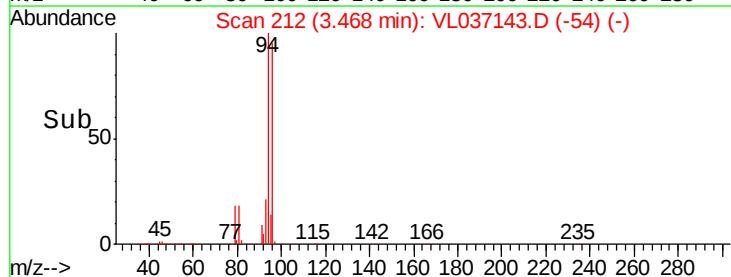
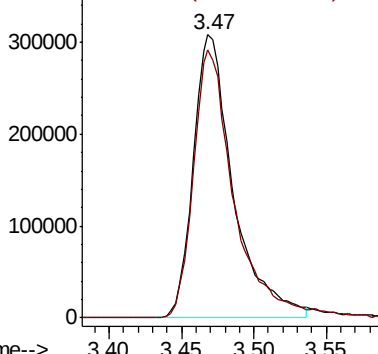
94 100

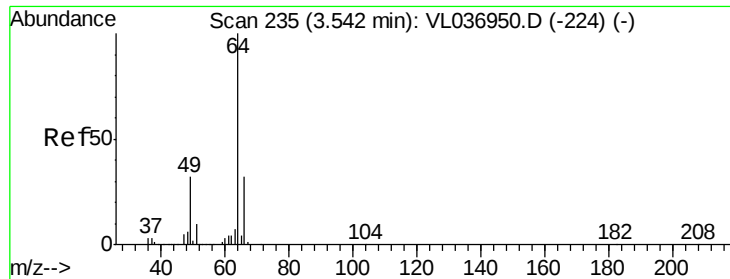
96 94.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

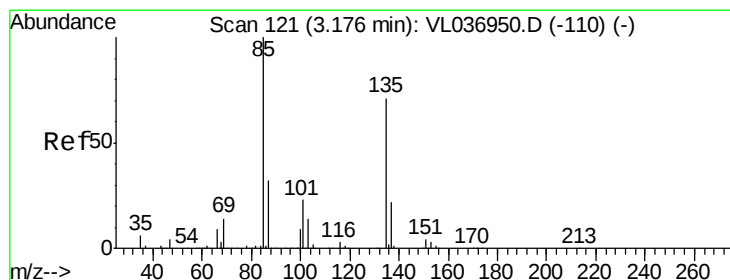
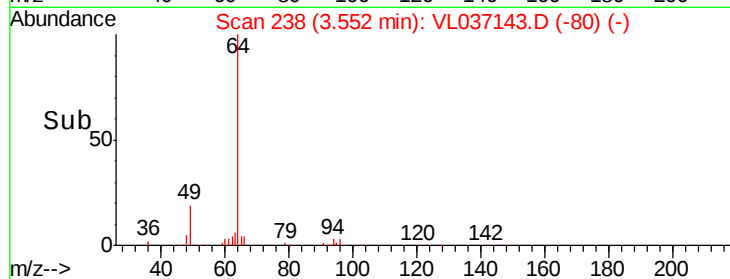
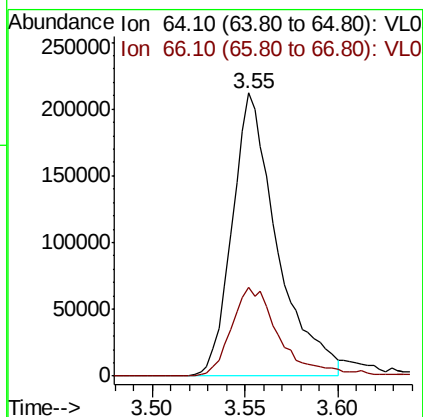
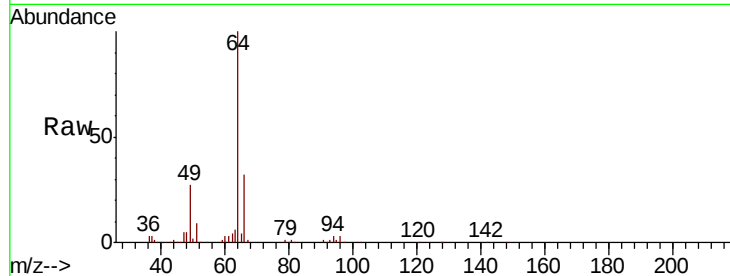




#7
Chloroethane
Concen: 12.063 ppbv
RT: 3.55 min Scan# 238
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

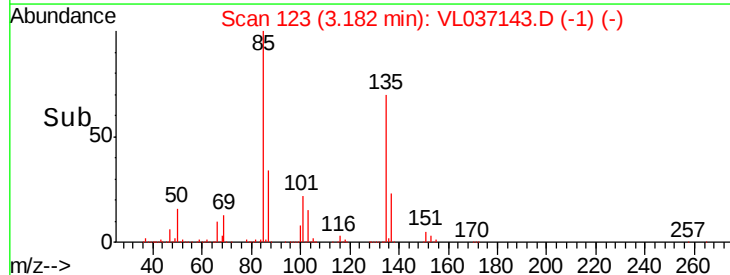
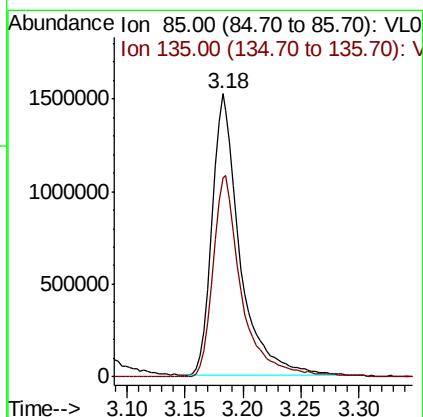
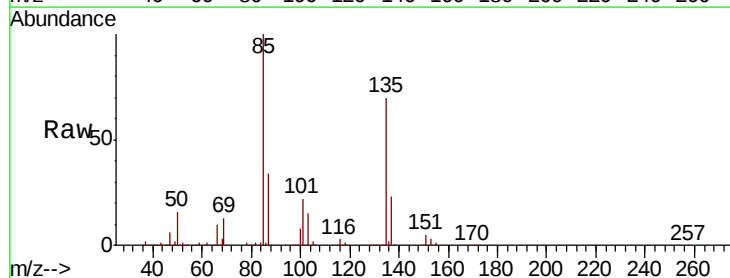
Instrument :
MSVOA_L
ClientSampleId :

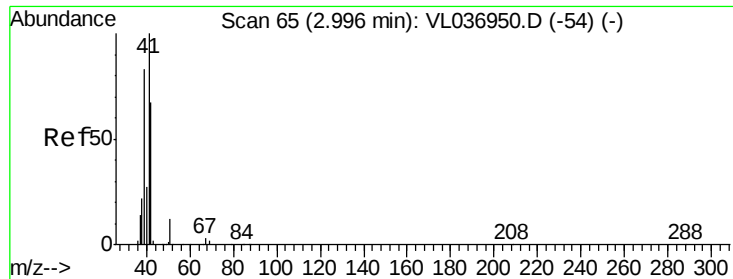
Tot Ion: 64 Resp: 357208
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 11.968 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 85 Resp: 2551299
Ion Ratio Lower Upper
85 100
135 74.4 57.7 86.5





#9

Propene

Concen: 9.841 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

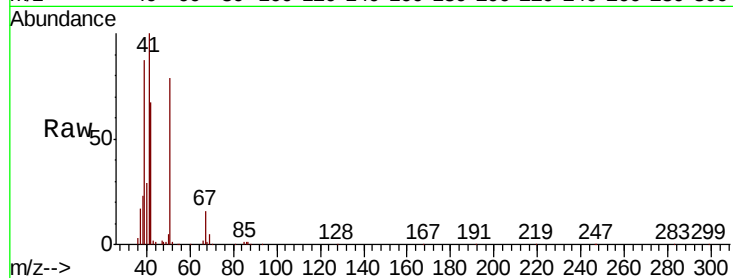
ClientSampled :

Tot Ion: 41 Resp: 864030

Ion Ratio Lower Upper

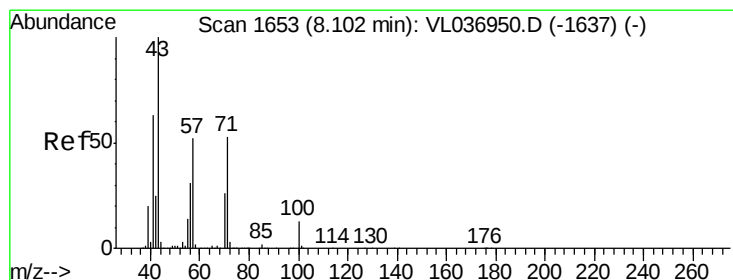
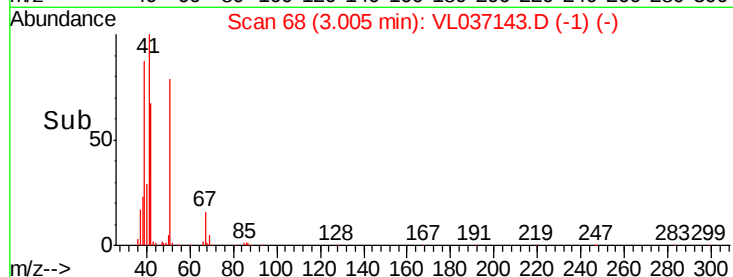
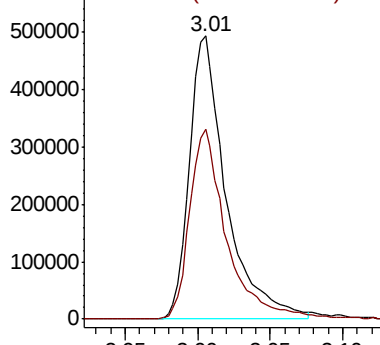
41 100

42 68.7 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.200 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL037143.D

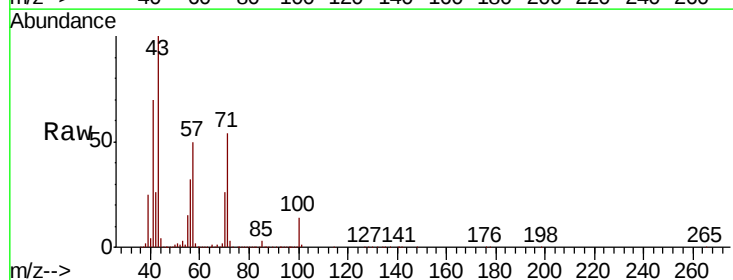
Acq: 8 Jun 2021 22:15

Tgt Ion: 43 Resp: 2231881

Ion Ratio Lower Upper

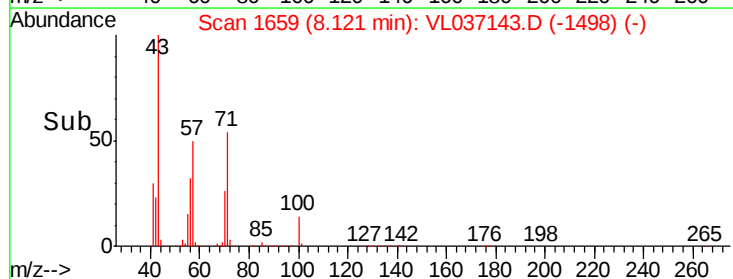
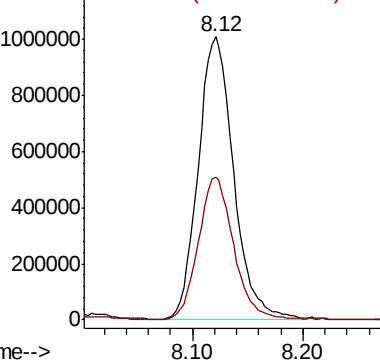
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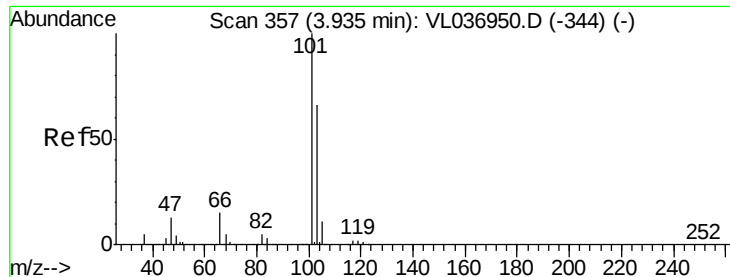
57 50.6 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

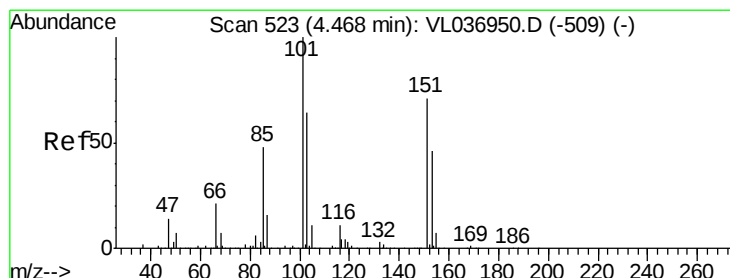
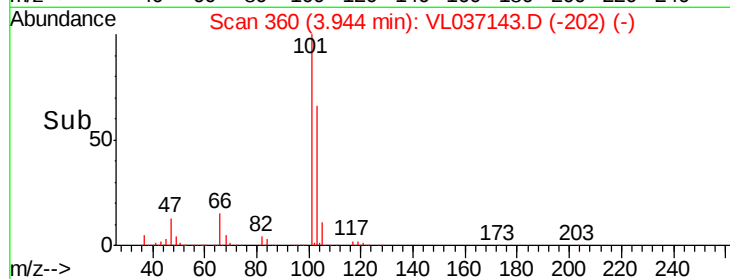
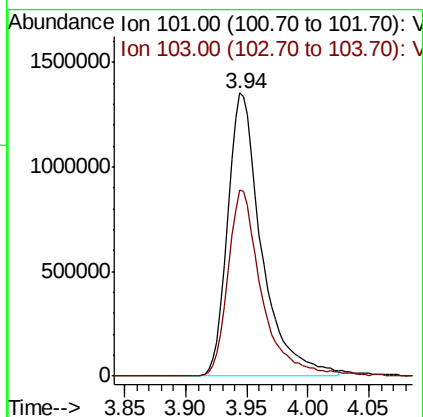
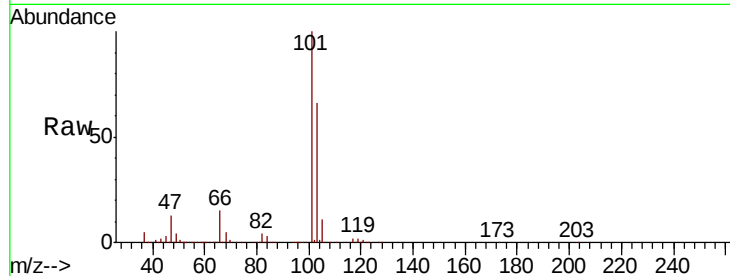




#11
 Trichlorofluoromethane
 Concen: 12.543 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

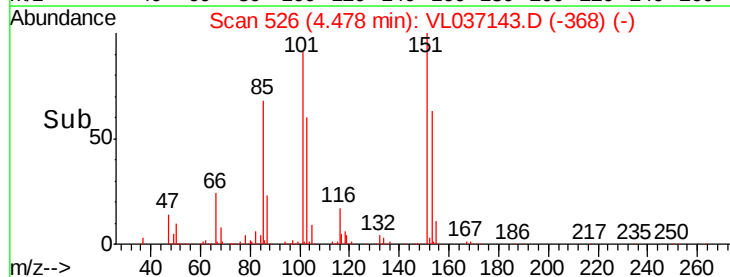
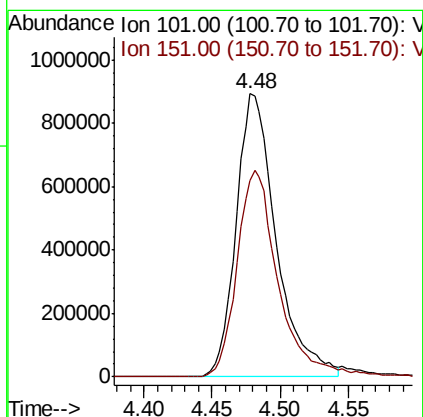
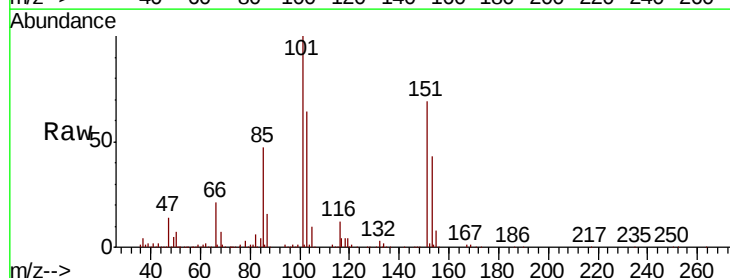
Instrument :
 MSVOA_L
 ClientSampleId :

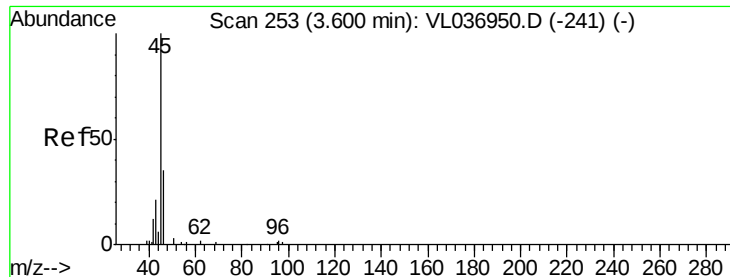
Tot Ion:101 Resp: 2635857
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.195 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion:101 Resp: 1825544
 Ion Ratio Lower Upper
 101 100
 151 75.6 57.7 86.5





#13

Ethanol

Concen: 8.418 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

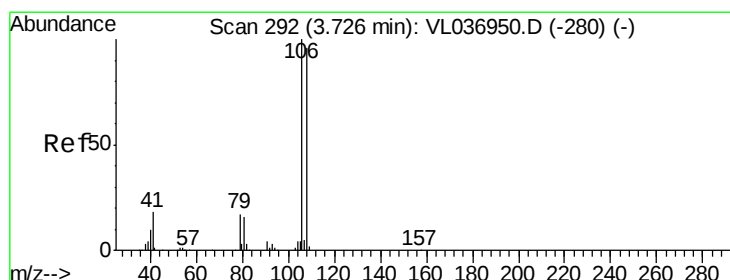
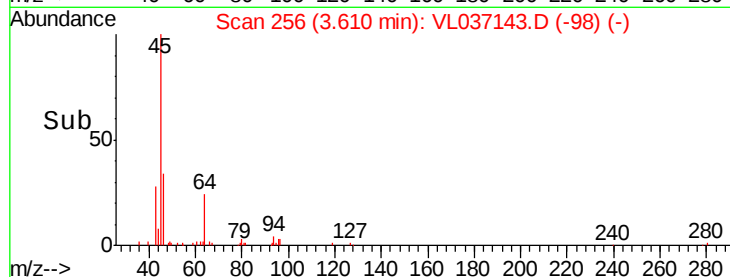
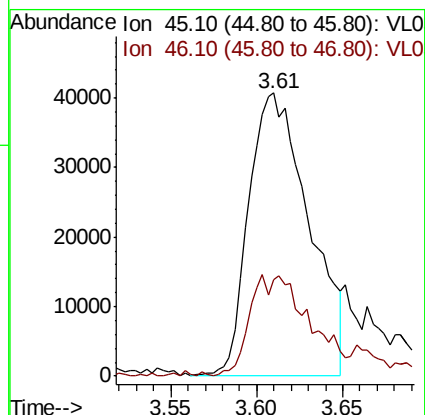
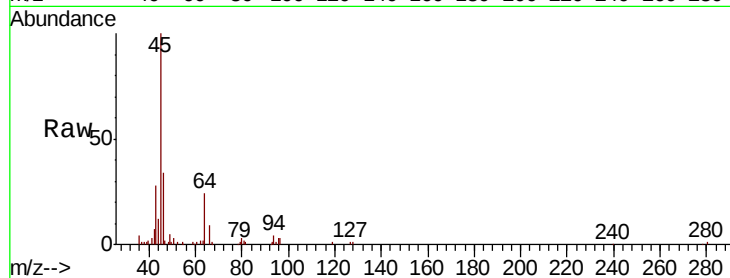
ClientSampled :

Tot Ion: 45 Resp: 98612

Ion Ratio Lower Upper

45 100

46 45.9 16.3 65.3



#14

Bromoethene

Concen: 12.122 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

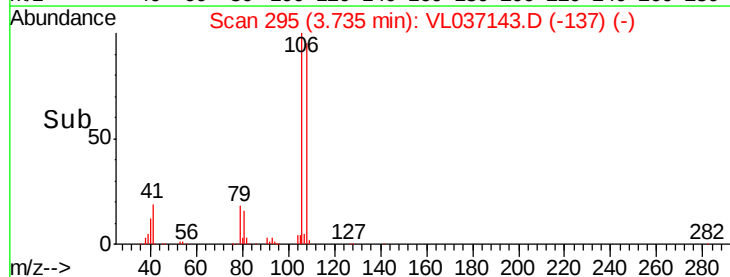
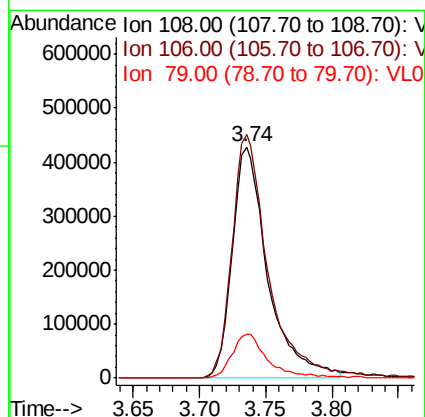
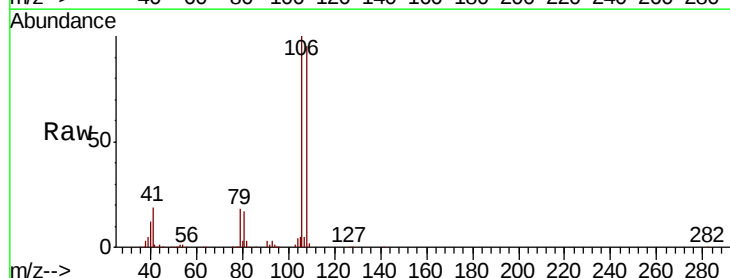
Tgt Ion: 108 Resp: 799242

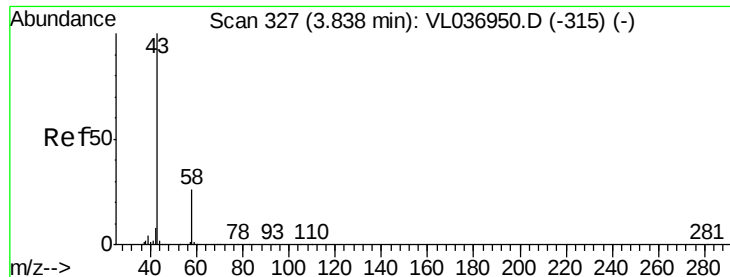
Ion Ratio Lower Upper

108 100

106 108.8 86.5 129.7

79 19.4 15.0 22.4

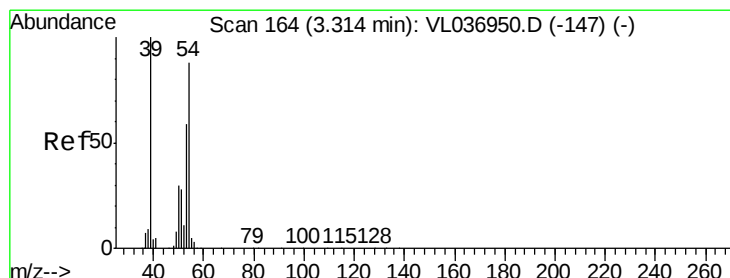
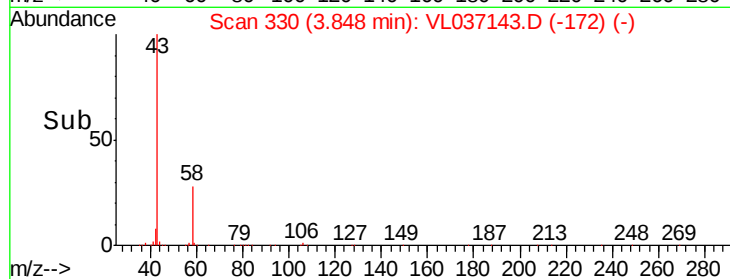
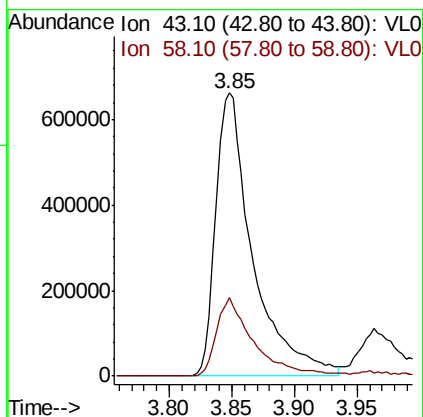
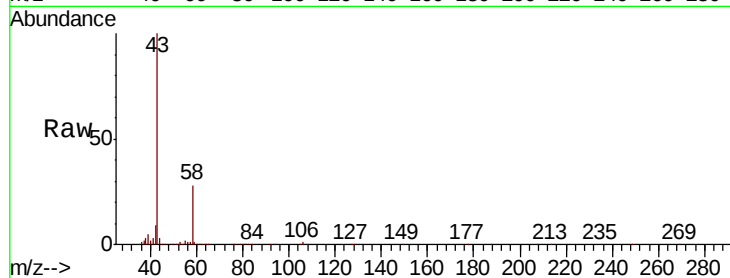




#15
Acetone
Concen: 9.870 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

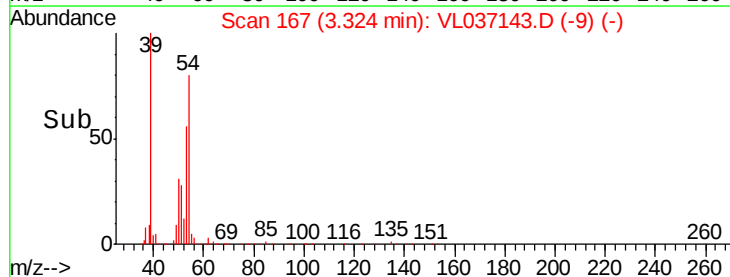
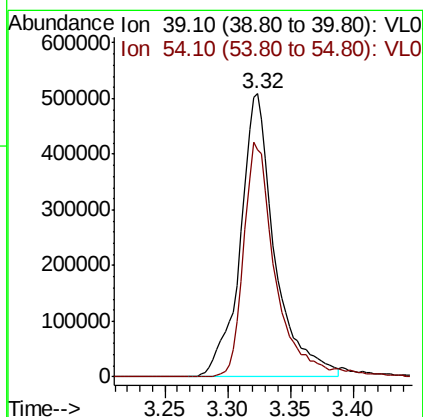
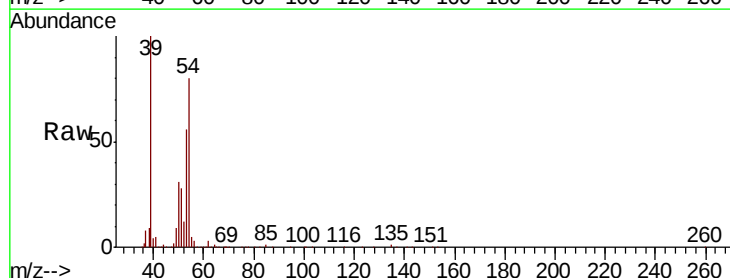
Instrument :
MSVOA_L
ClientSampleId :

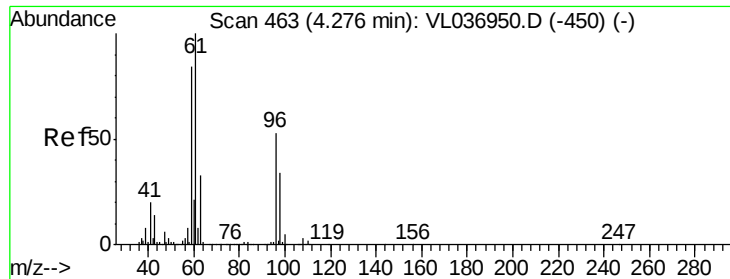
Tot Ion: 43 Resp: 1352990
Ion Ratio Lower Upper
43 100
58 28.1 24.0 36.0



#16
1,3-Butadiene
Concen: 11.460 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 39 Resp: 975971
Ion Ratio Lower Upper
39 100
54 77.8 63.2 94.8



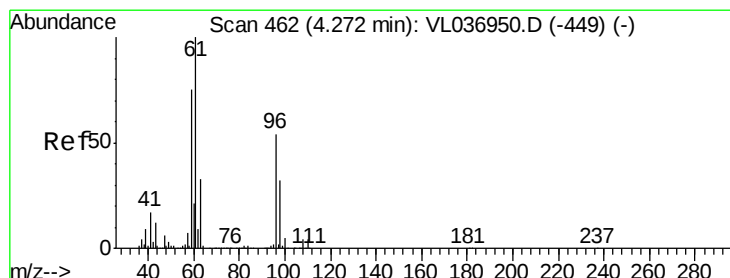
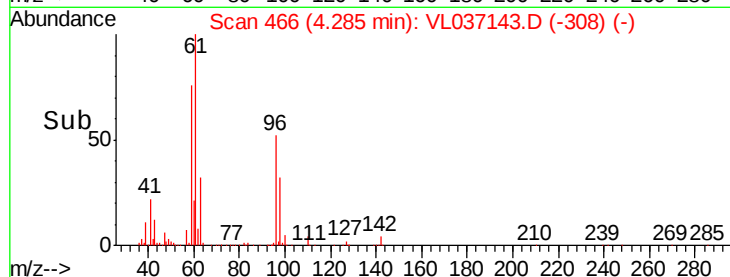
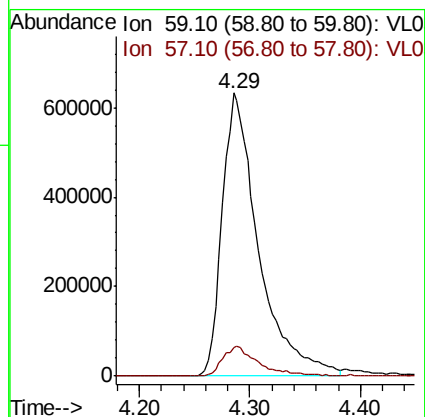
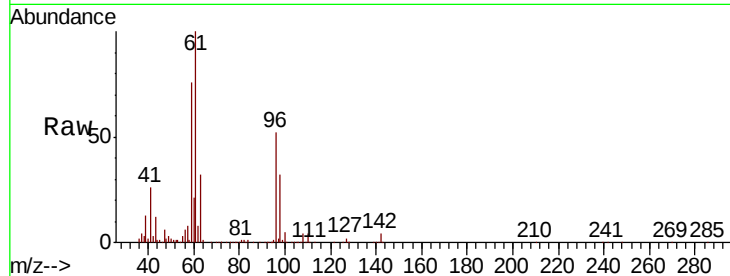


#17

tert-Butyl alcohol
Concen: 11.526 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :

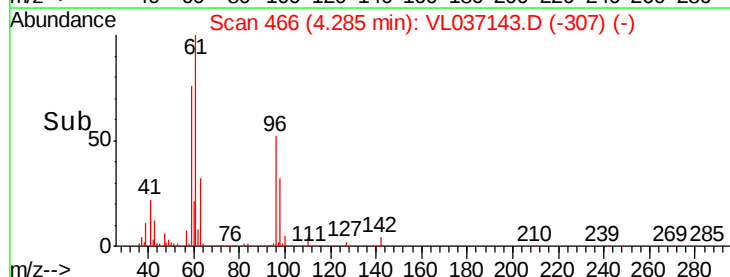
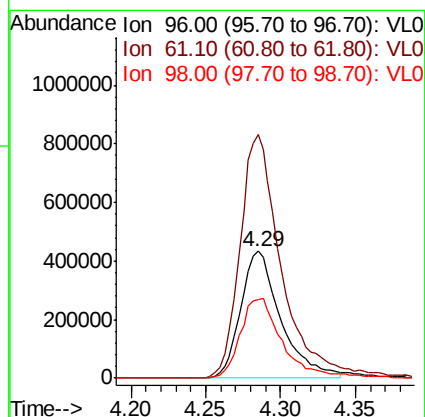
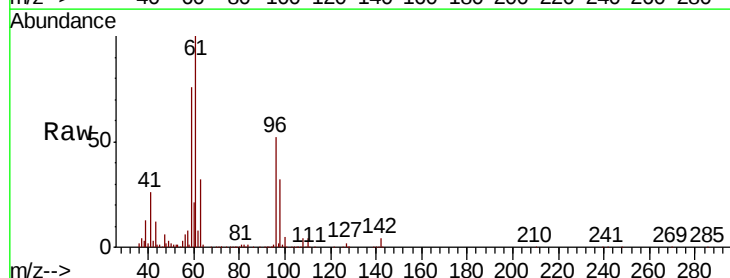
Tot Ion: 59 Resp: 1447285
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

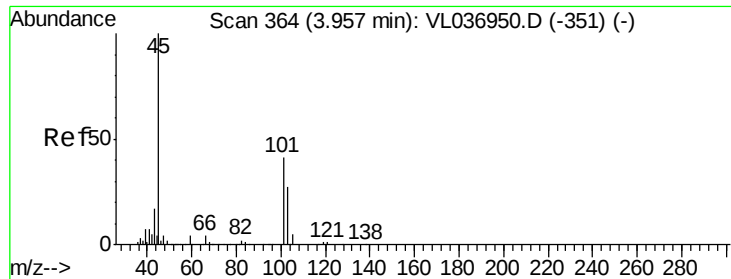


#18

1,1-Dichloroethene
Concen: 11.706 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 96 Resp: 810258
Ion Ratio Lower Upper
96 100
61 192.0 148.2 222.4
98 62.3 47.8 71.6



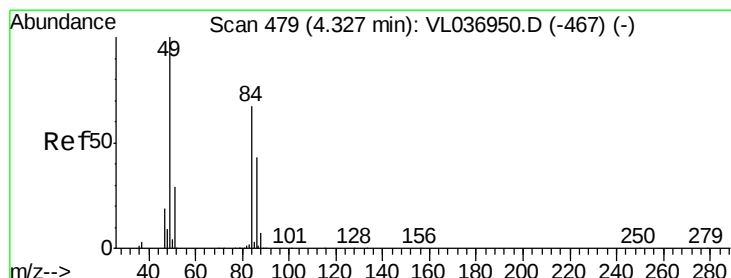
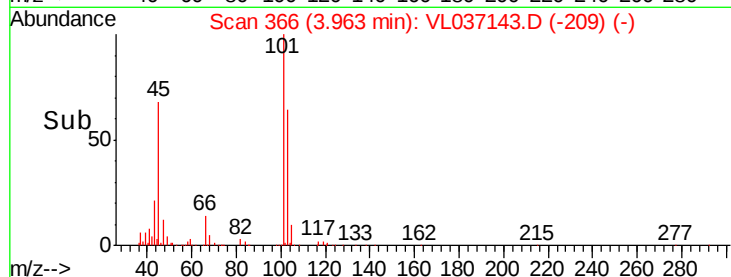
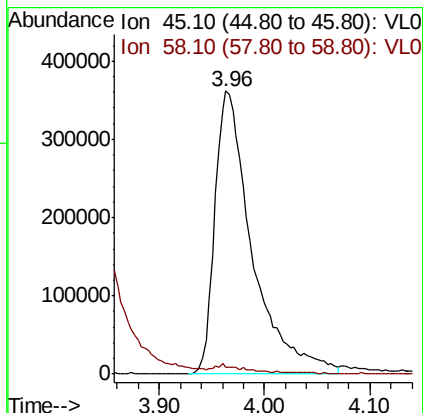
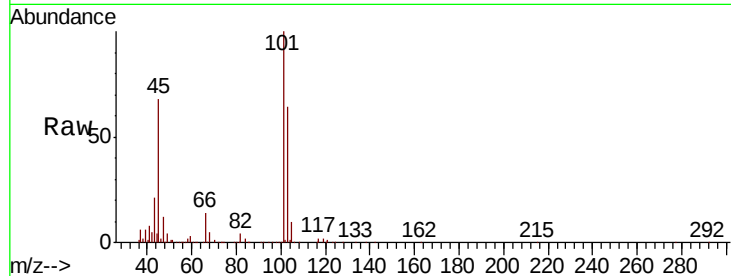


#19

Isopropyl Alcohol
 Concen: 11.954 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :

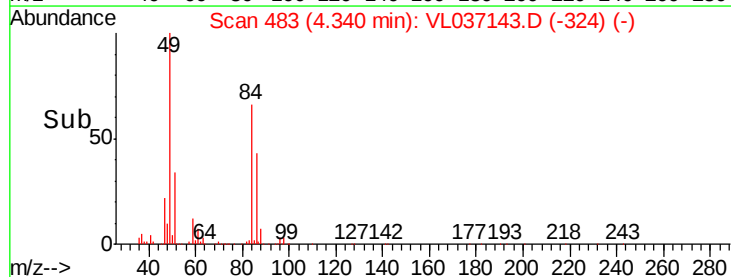
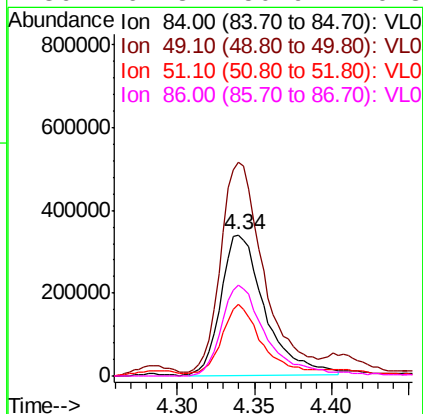
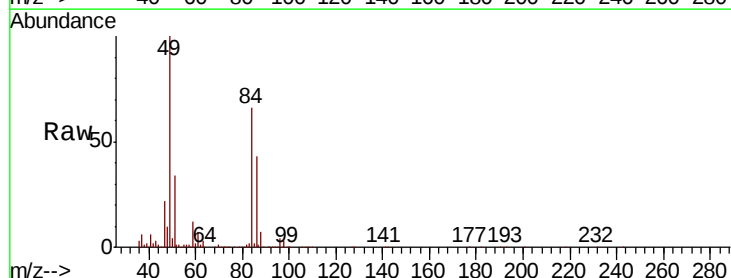
Tot Ion: 45 Resp: 880877
 Ion Ratio Lower Upper
 45 100
 58 3.2 37.2 55.8#

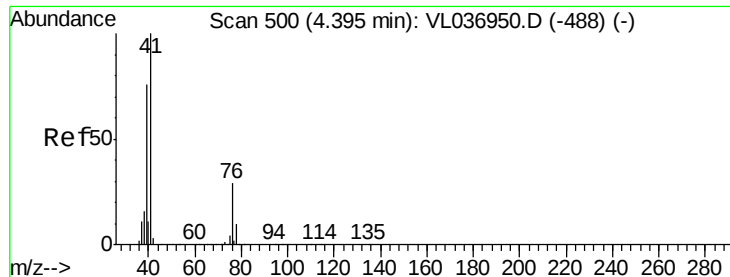


#20

Methylene Chloride
 Concen: 9.160 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 84 Resp: 673053
 Ion Ratio Lower Upper
 84 100
 49 149.0 119.8 179.6
 51 49.2 35.1 52.7
 86 64.3 50.9 76.3





#21

Allvl Chloride

Concen: 11.309 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :

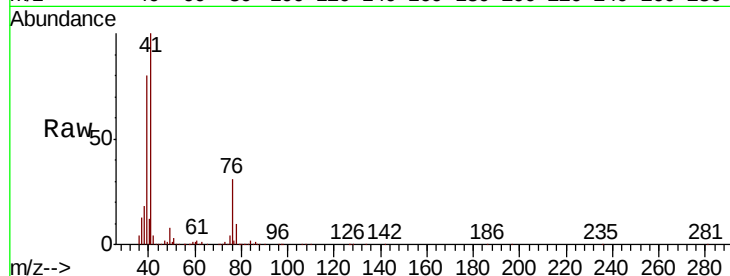
Tot Ion: 41 Resp: 1169466

Ion Ratio Lower Upper

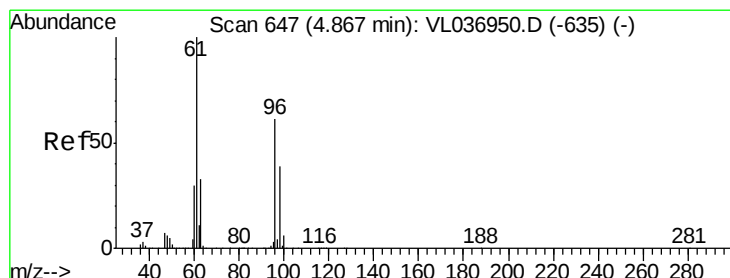
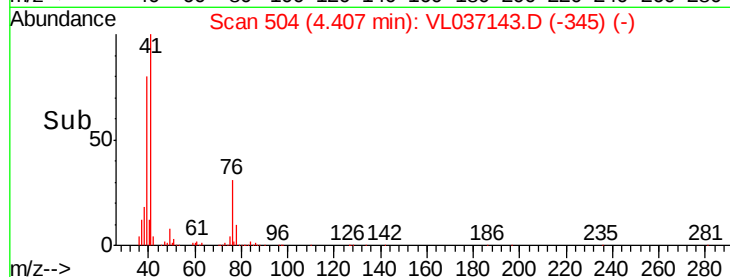
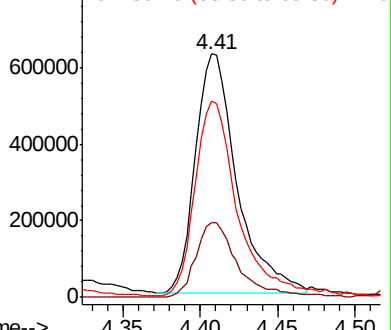
41 100

76 31.8 24.9 37.3

39 83.4 63.7 95.5



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



#22

trans-1,2-Dichloroethene

Concen: 12.590 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

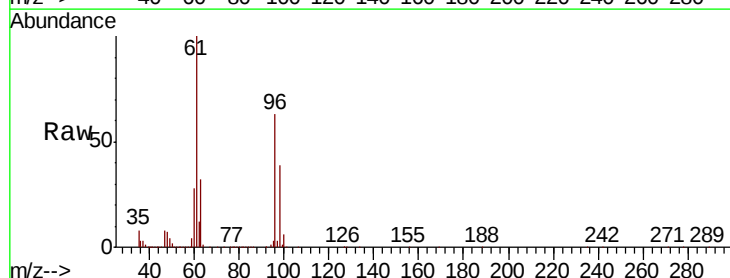
Tgt Ion: 96 Resp: 835165

Ion Ratio Lower Upper

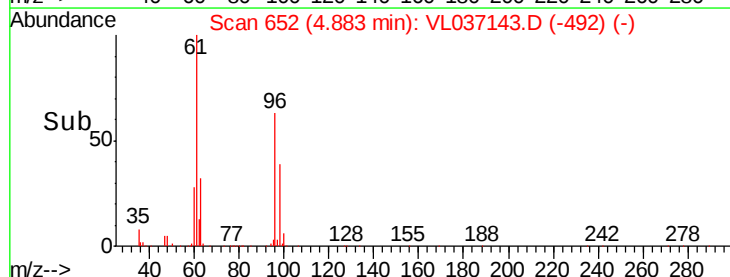
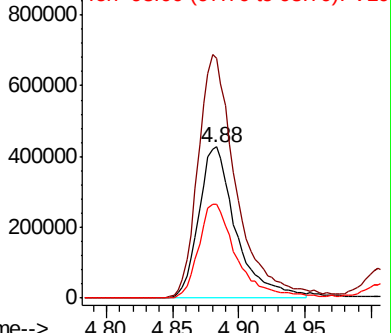
96 100

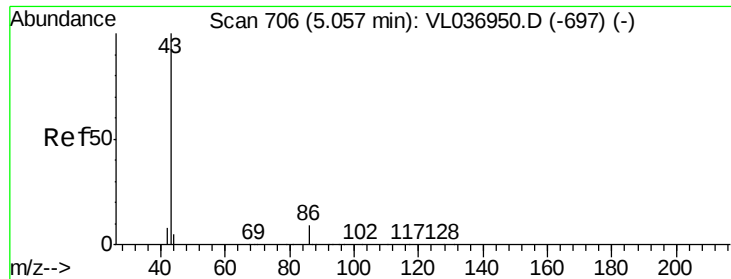
61 159.0 130.6 196.0

98 62.4 50.8 76.2



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

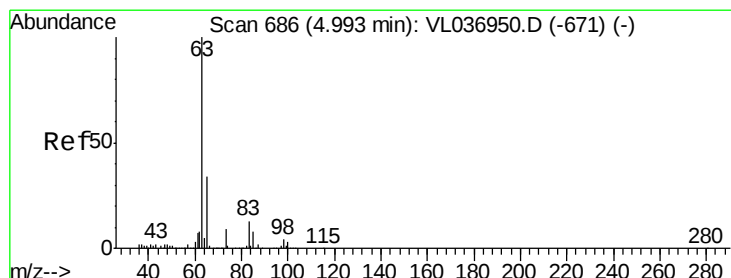
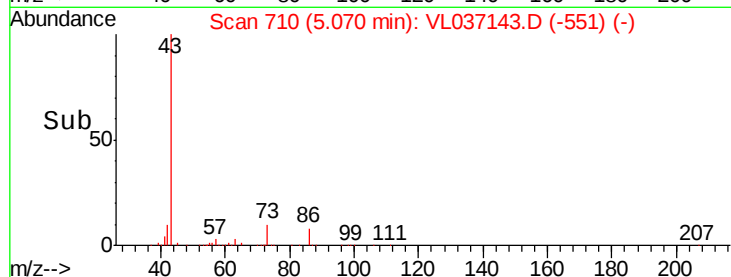
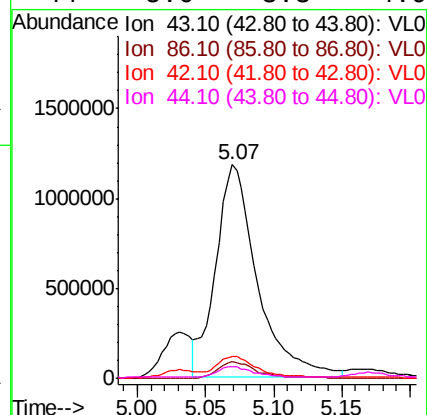
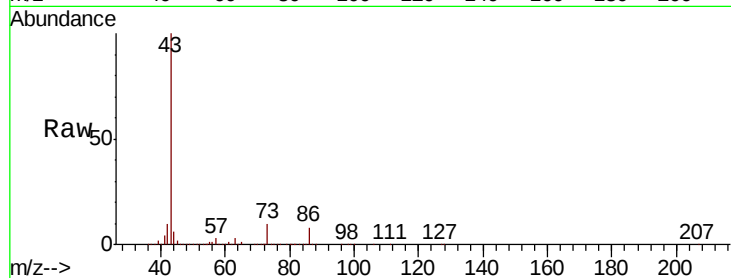




#23
 Vinyl Acetate
 Concen: 11.541 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

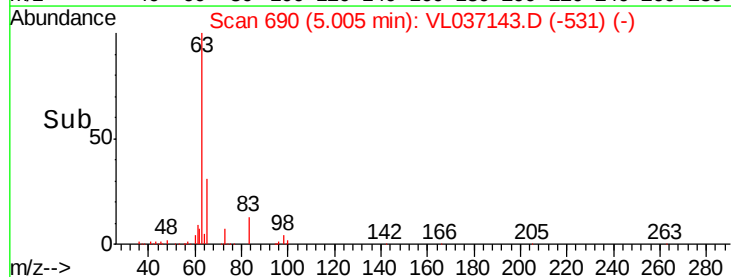
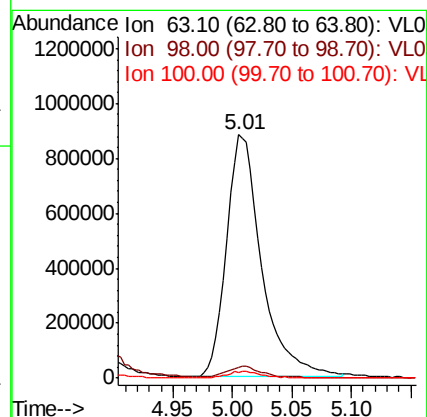
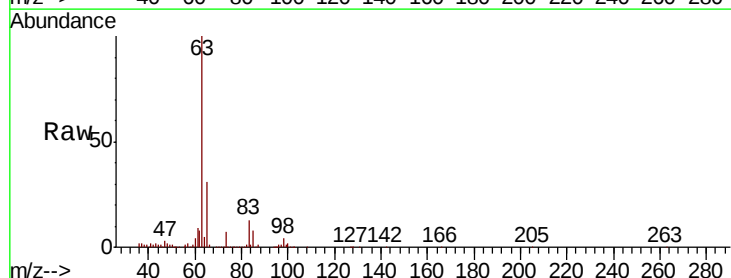
Instrument :
 MSVOA_L
 ClientSampleId :

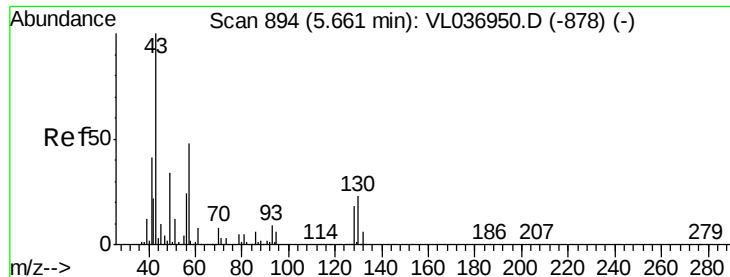
Tot Ion: 43 Resp: 2511133
 Ion Ratio Lower Upper
 43 100
 86 8.1 5.8 8.8
 42 10.1 7.4 11.2
 44 5.0 3.3 4.9#



#24
 1,1-Dichloroethane
 Concen: 11.592 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 63 Resp: 1815446
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.3 6.9
 100 2.4 1.4 4.0





#25

Ethyl Acetate

Concen: 10.686 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

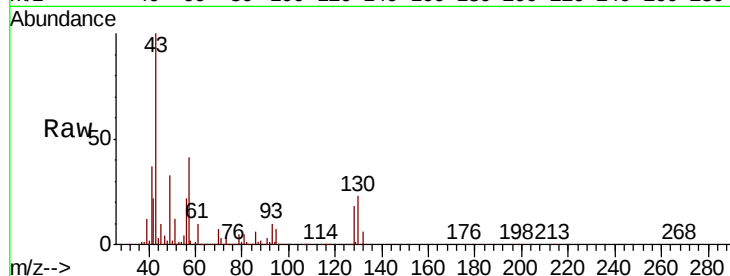
Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3519916

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.9	7.8	11.8
70	6.9	5.6	8.4



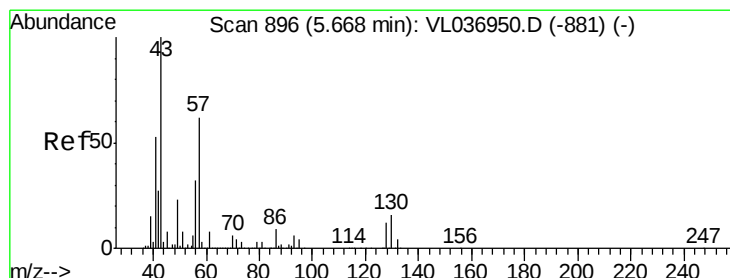
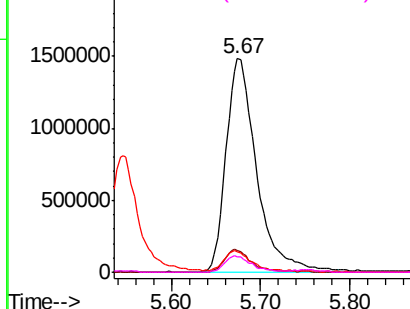
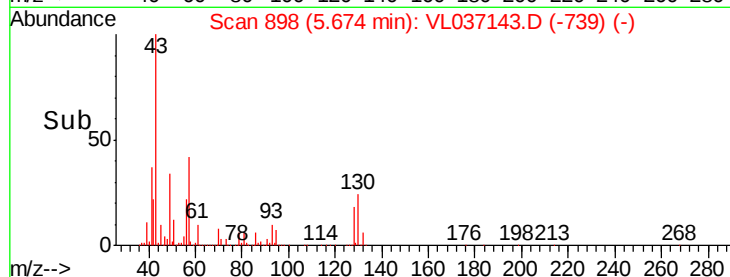
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.981 ppbv

RT: 5.68 min Scan# 900

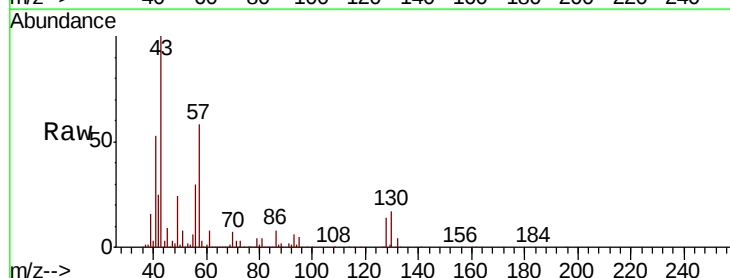
Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion: 57 Resp: 1679631

Ion	Ratio	Lower	Upper
57	100		
41	92.3	70.5	105.7
43	210.9	165.8	248.8
56	53.0	42.2	63.4



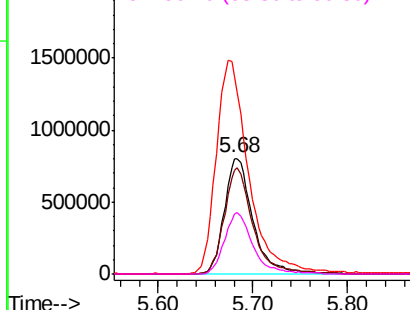
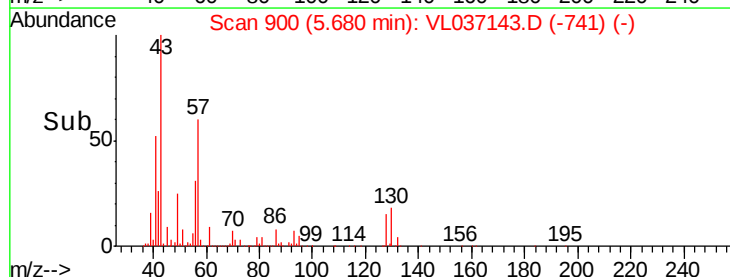
Abundance

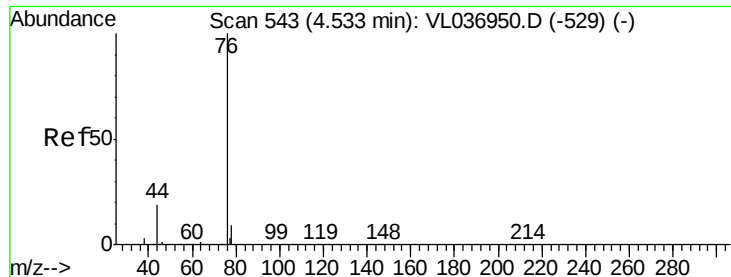
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.121 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

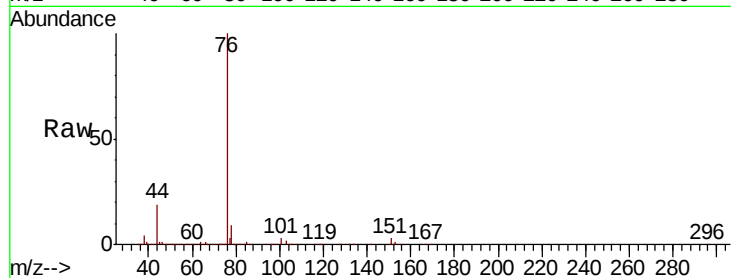
Tot Ion: 76 Resp: 1886048

Ion Ratio Lower Upper

76 100

44 19.2 15.5 23.3

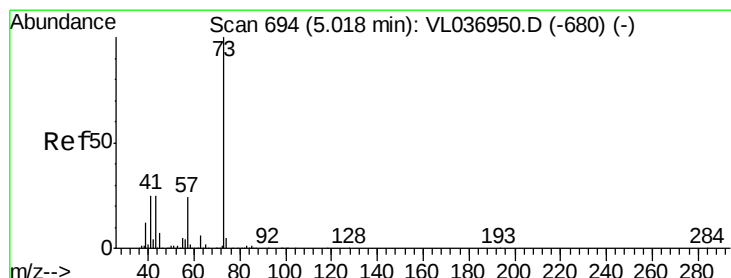
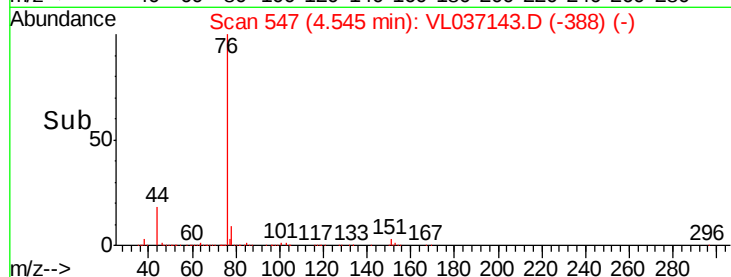
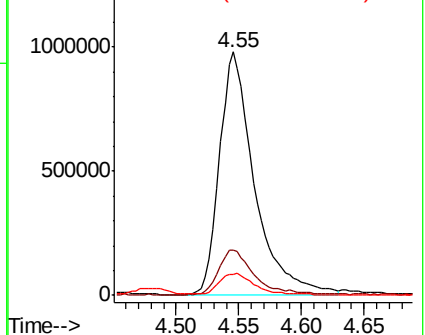
78 9.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.666 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037143.D

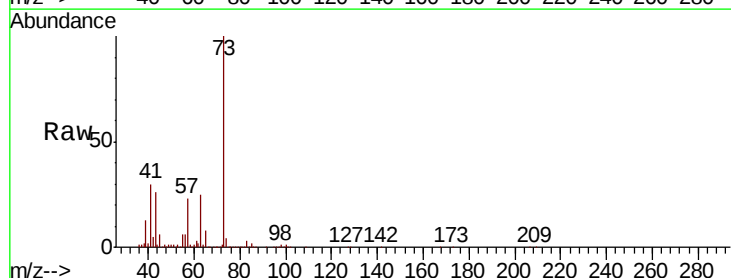
Acq: 8 Jun 2021 22:15

Tgt Ion: 73 Resp: 2151358

Ion Ratio Lower Upper

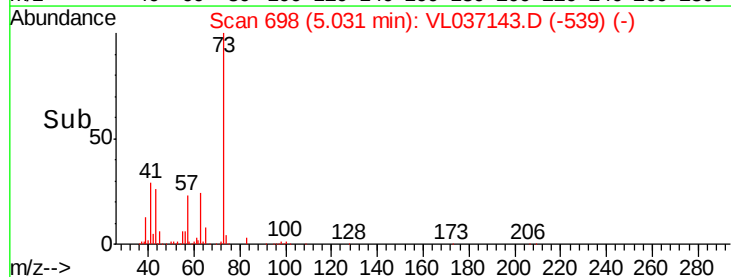
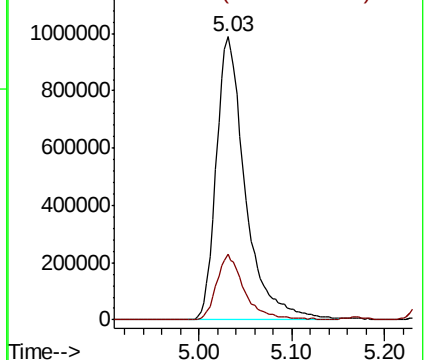
73 100

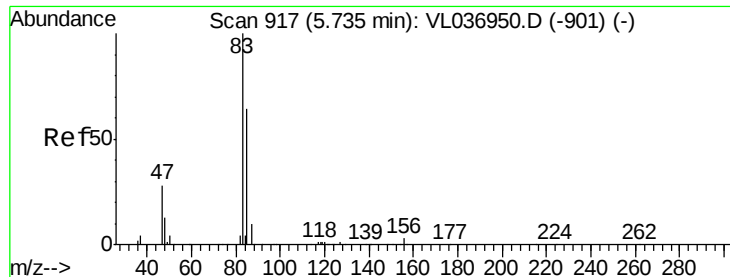
57 22.3 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

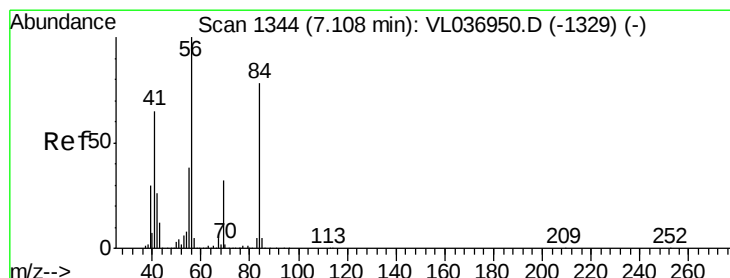
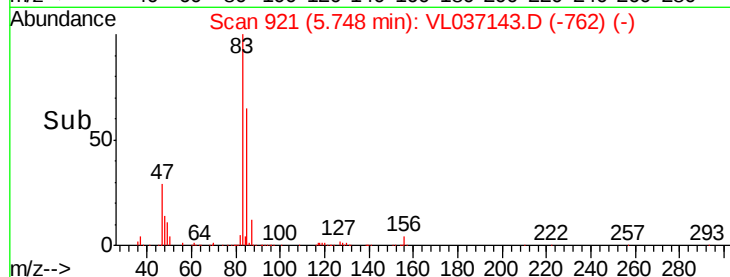
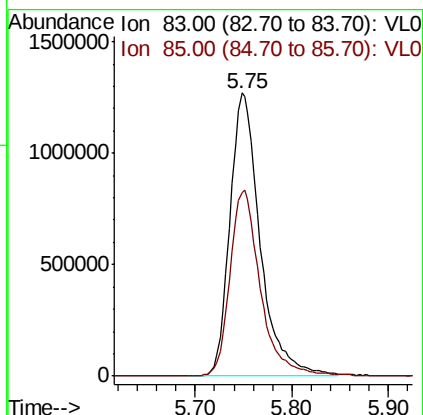
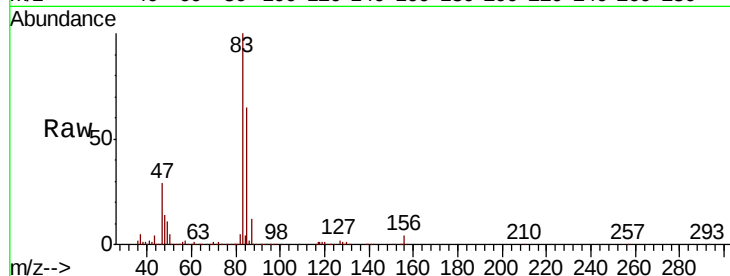




#29
Chloroform
Concen: 11.617 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

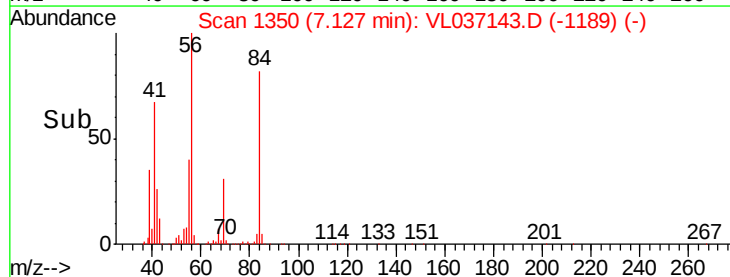
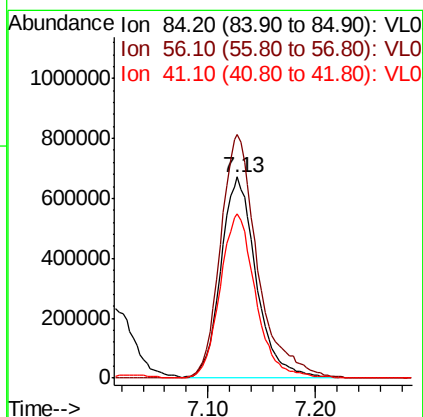
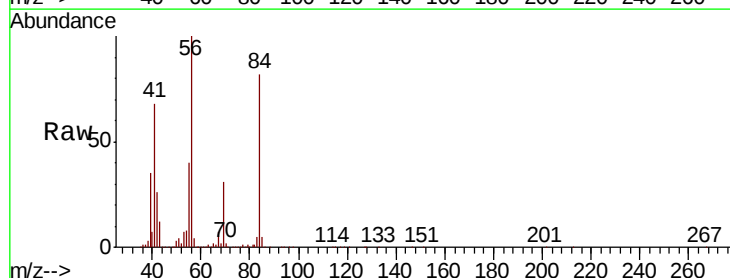
Instrument :
MSVOA_L
ClientSampleId :

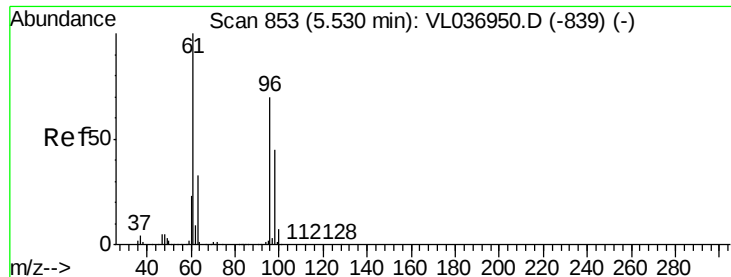
Tot Ion: 83 Resp: 2761830
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7



#30
Cyclohexane
Concen: 10.553 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 84 Resp: 1509137
Ion Ratio Lower Upper
84 100
56 129.9 107.9 161.9
41 83.0 65.5 98.3



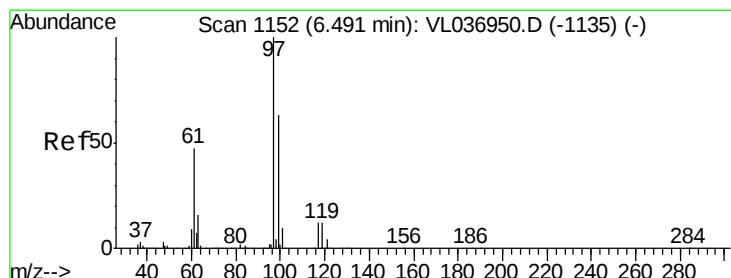
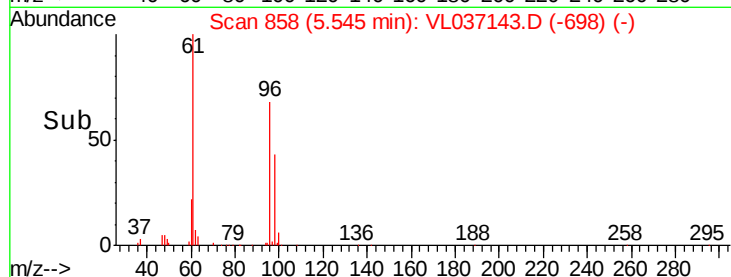
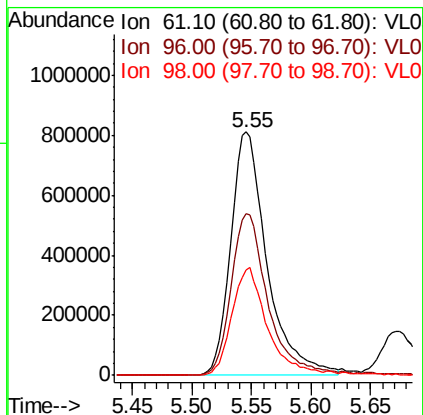
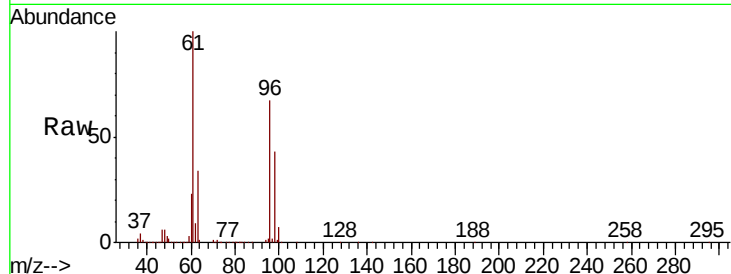


#31

cis-1,2-Dichloroethene
 Concen: 11.342 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :

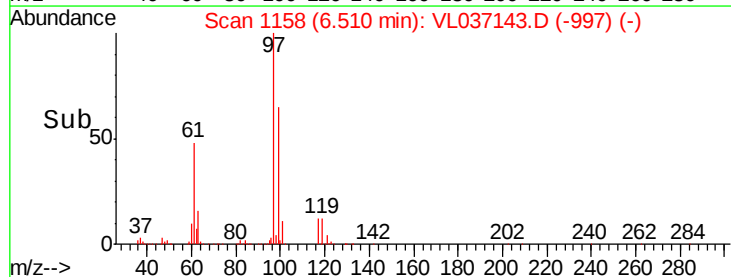
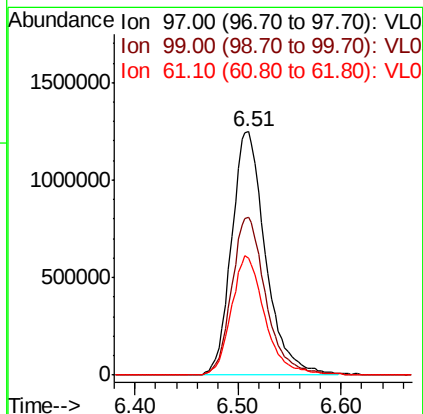
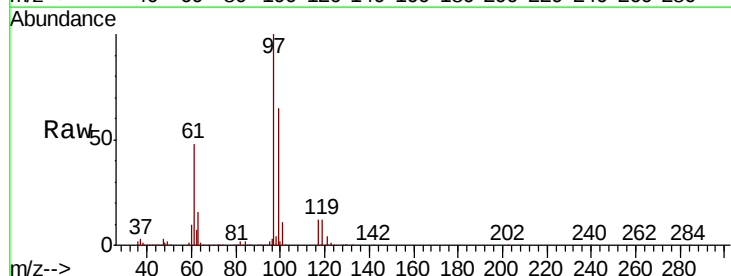
Tot Ion: 61 Resp: 1711205
 Ion Ratio Lower Upper
 61 100
 96 66.6 55.9 83.9
 98 43.3 35.6 53.4

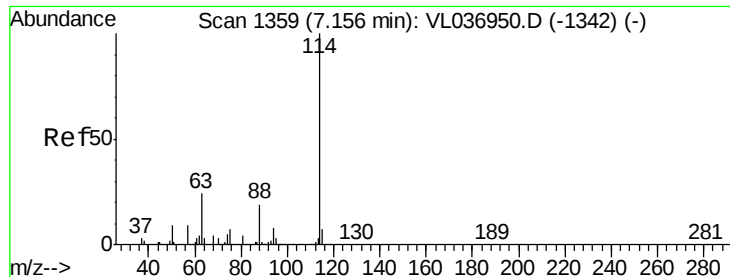


#32

1,1,1-Trichloroethane
 Concen: 11.249 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 97 Resp: 2871723
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.9 77.9
 61 48.2 37.6 56.4

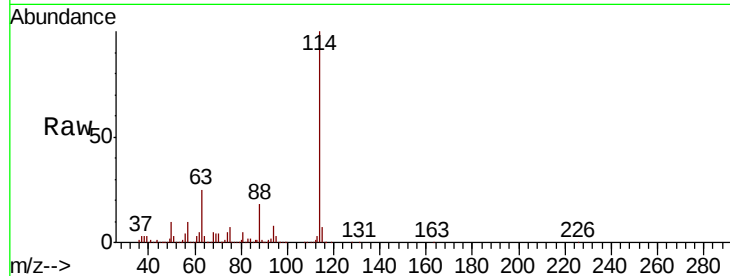




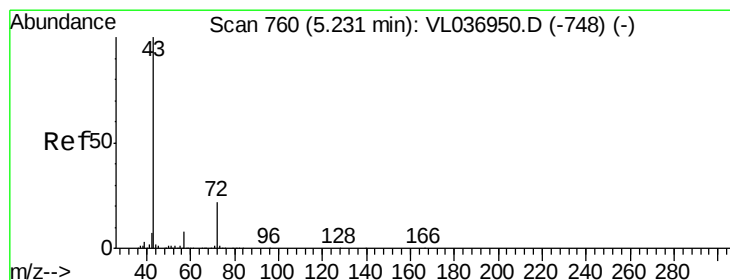
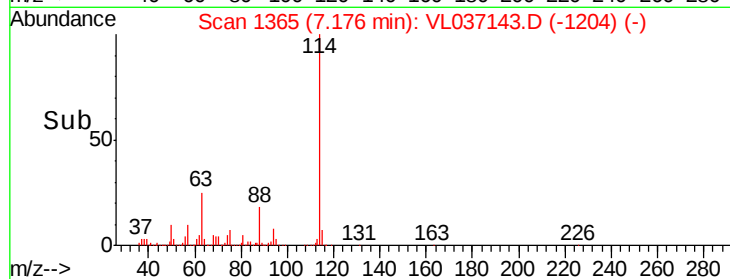
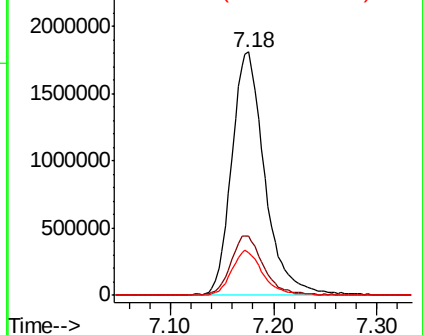
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4040990
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.6 14.6 21.8

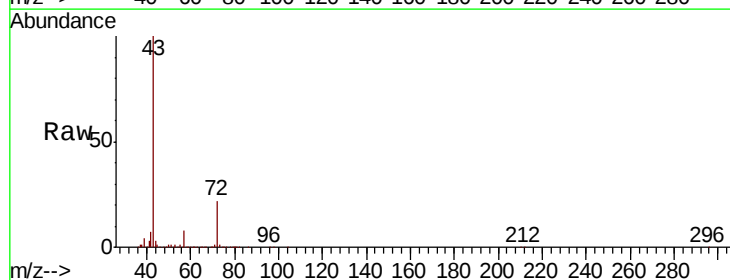


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

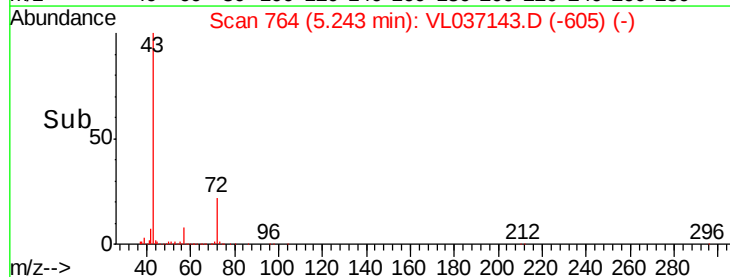
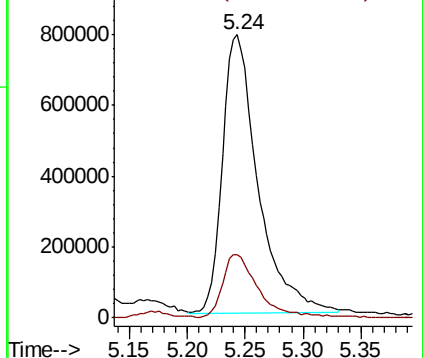


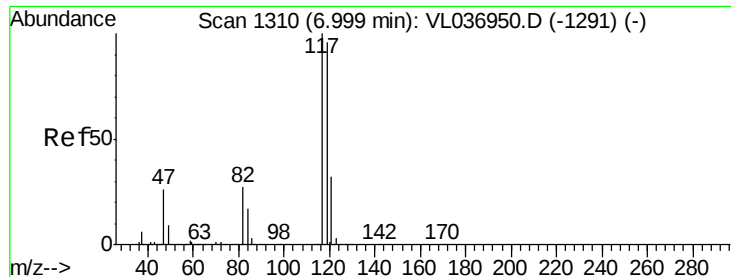
#34
 2-Butanone
 Concen: 11.378 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 43 Resp: 1674178
 Ion Ratio Lower Upper
 43 100
 72 23.0 19.0 28.4



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





#35

Carbon Tetrachloride

Concen: 11.390 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

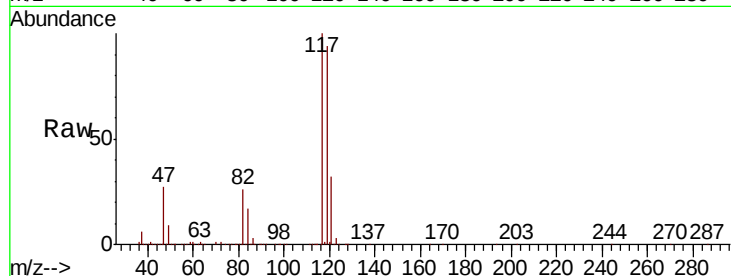
Tot Ion:117 Resp: 3058074

Ion Ratio Lower Upper

117 100

119 93.6 76.6 114.8

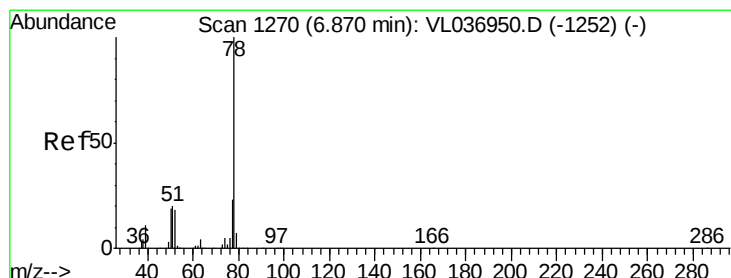
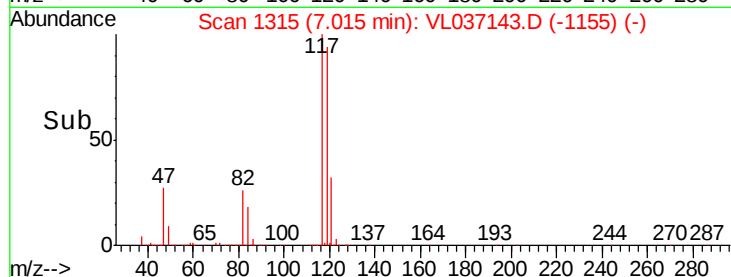
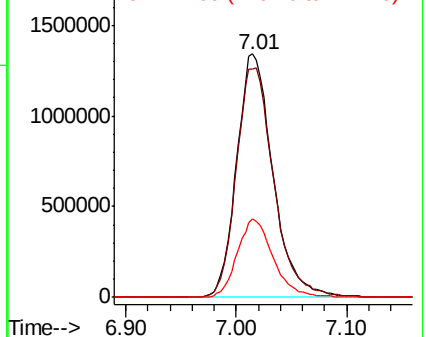
121 32.1 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.184 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

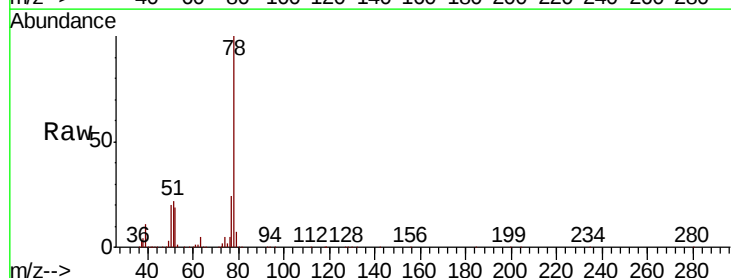
Tgt Ion: 78 Resp: 3544655

Ion Ratio Lower Upper

78 100

77 24.2 18.6 28.0

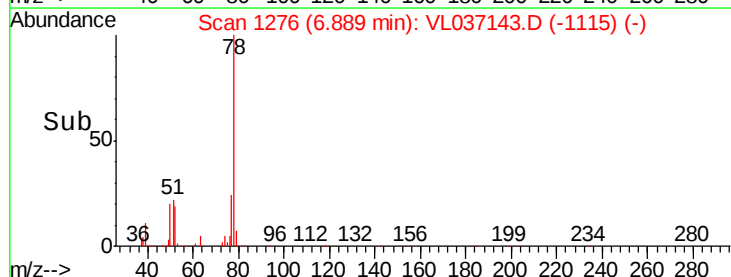
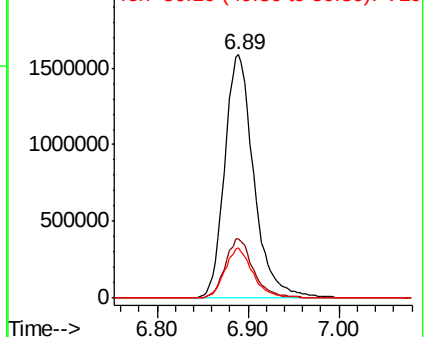
50 20.5 15.0 22.4

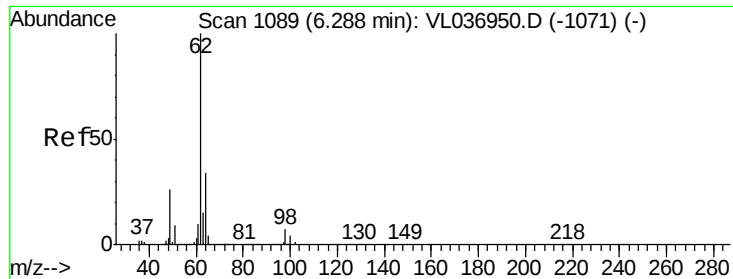


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

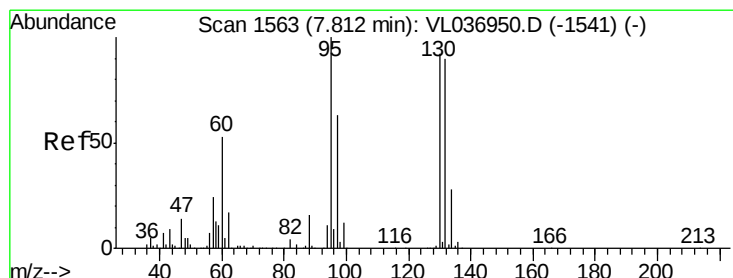
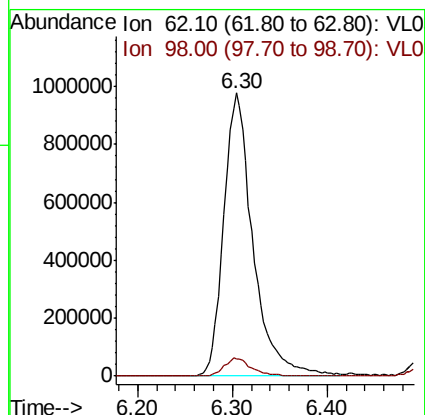
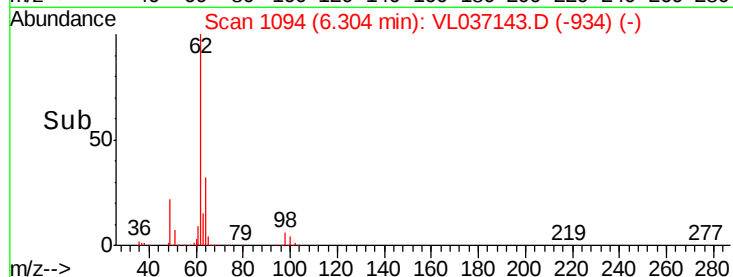
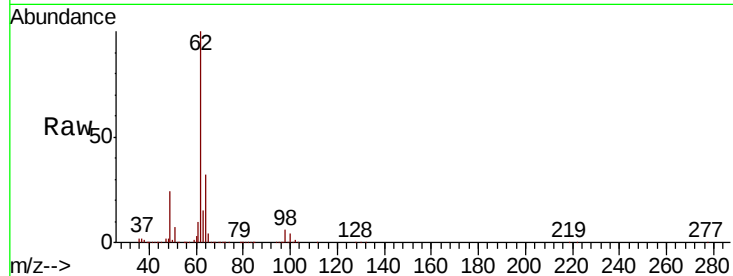




#37
 1,2-Dichloroethane
 Concen: 12.184 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

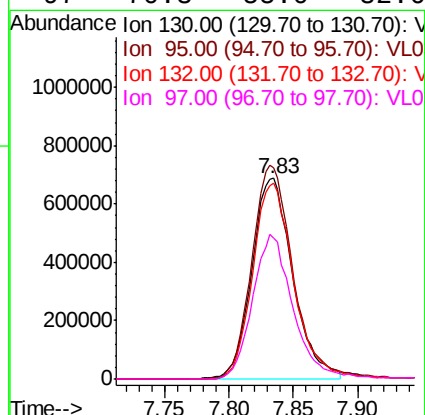
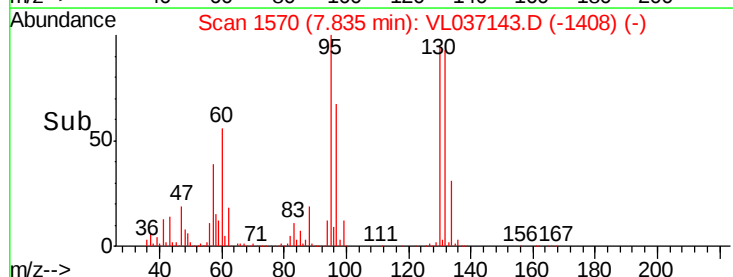
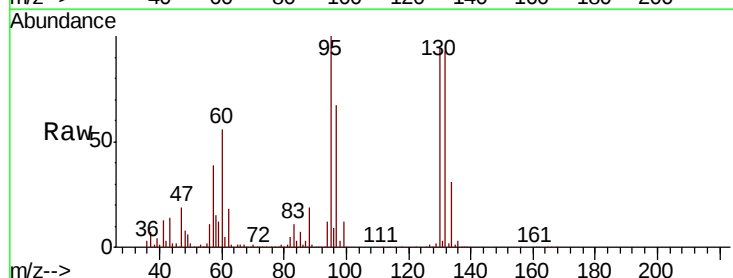
Instrument :
 MSVOA_L
 ClientSampled :

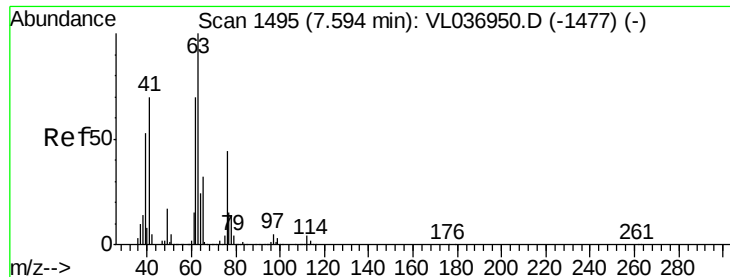
Tot Ion: 62 Resp: 2102554
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.5 8.3



#38
 Trichloroethene
 Concen: 10.239 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion:130 Resp: 1524615
 Ion Ratio Lower Upper
 130 100
 95 105.3 86.9 130.3
 132 97.5 78.4 117.6
 97 70.3 55.0 82.6





#39

1,2-Dichloropropane

Concen: 10.063 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

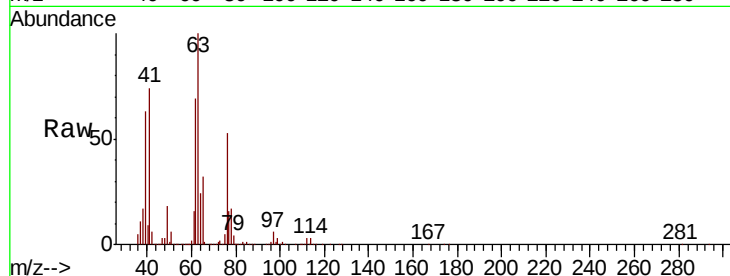
Tot Ion: 63 Resp: 1349270

Ion Ratio Lower Upper

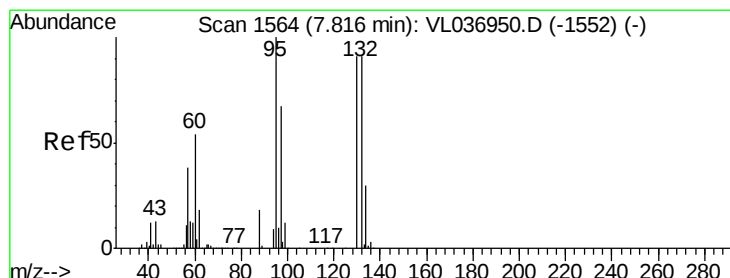
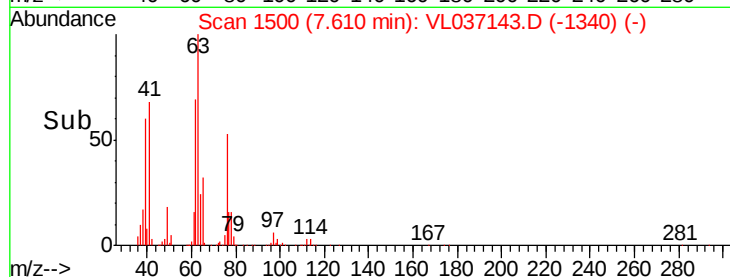
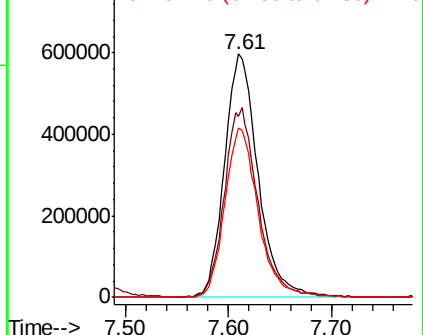
63 100

41 74.1 55.7 83.5

62 69.4 56.2 84.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.731 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion: 88 Resp: 339751

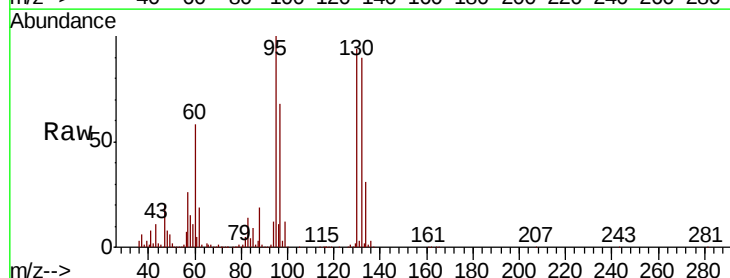
Ion Ratio Lower Upper

88 100

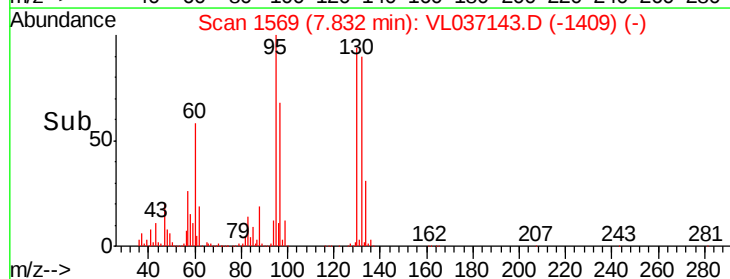
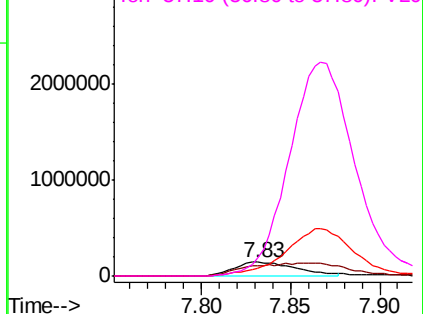
58 0.0 0.0 0.0

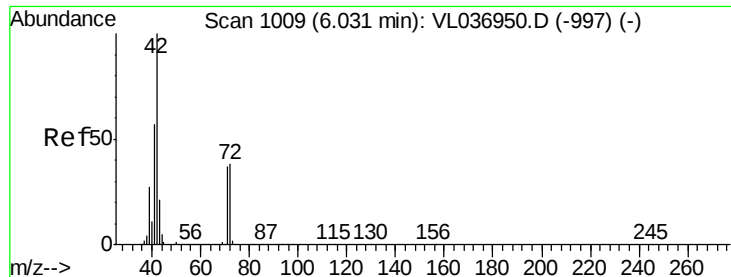
43 0.0 0.0 0.0

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: 9.772 ppbv

RT: 6.05 min Scan# 1014

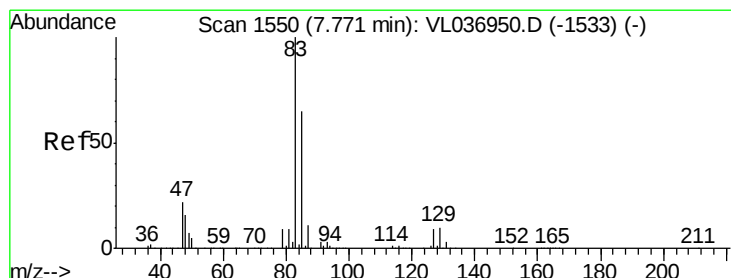
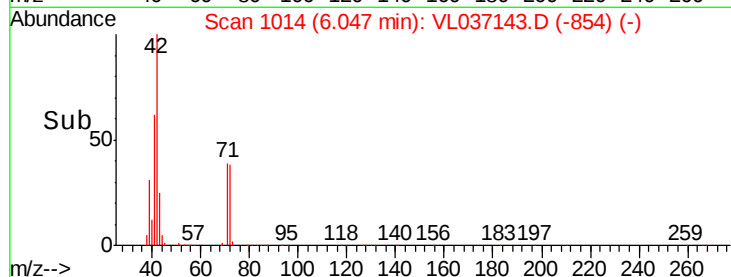
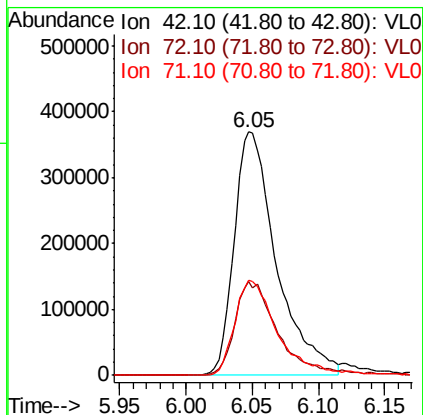
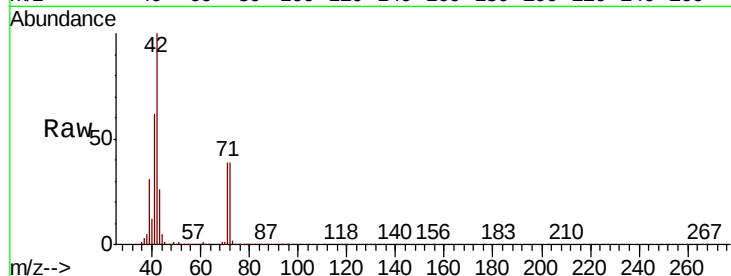
Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	42	Resp:	818911
Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.4	47.2
71	40.3	30.4	45.6



#42

Bromodichloromethane

Concen: 11.185 ppbv

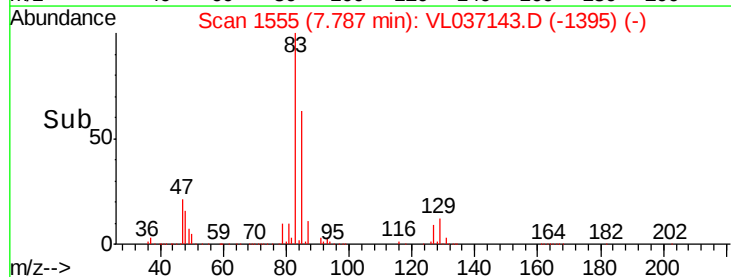
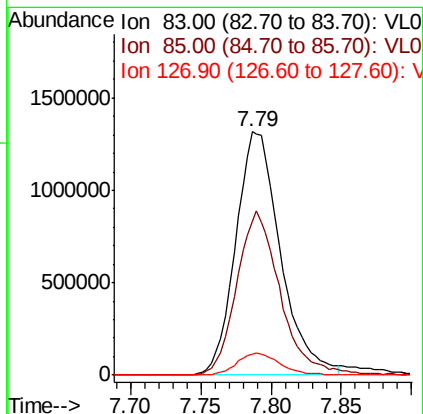
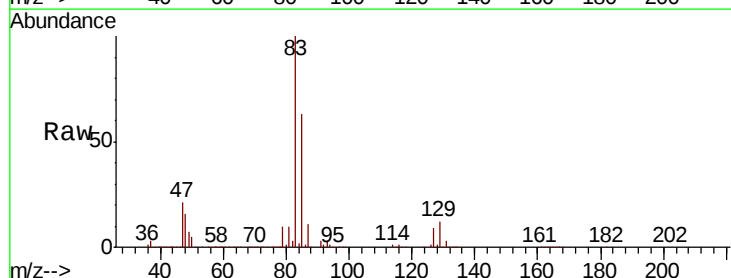
RT: 7.79 min Scan# 1555

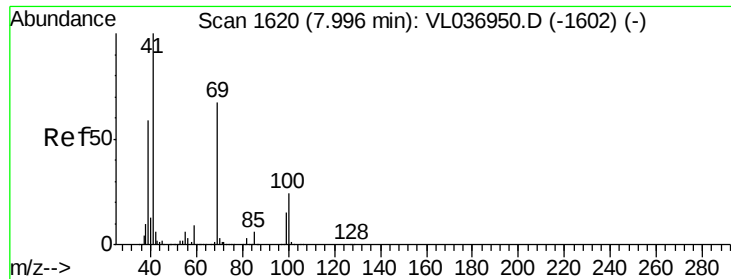
Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion:	83	Resp:	2920169
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.7	77.5
127	8.8	6.9	10.3

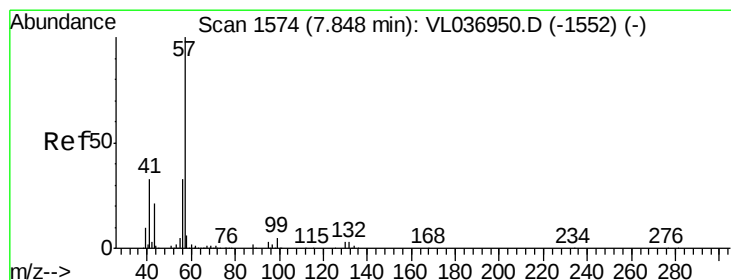
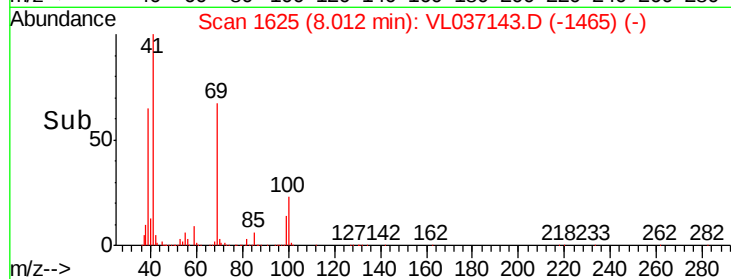
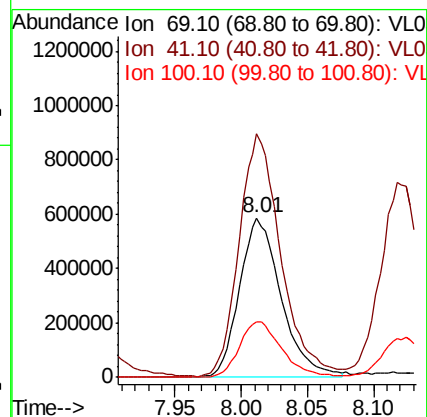
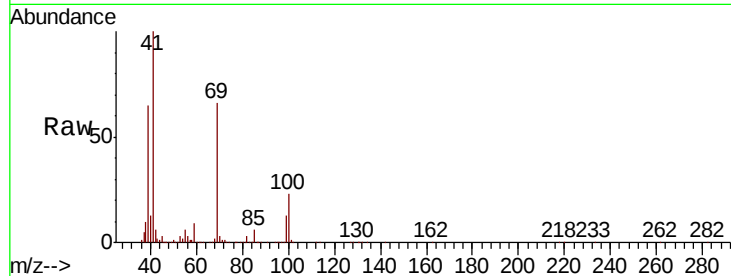




#43
Methvl Methacrylate
Concen: 10.674 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

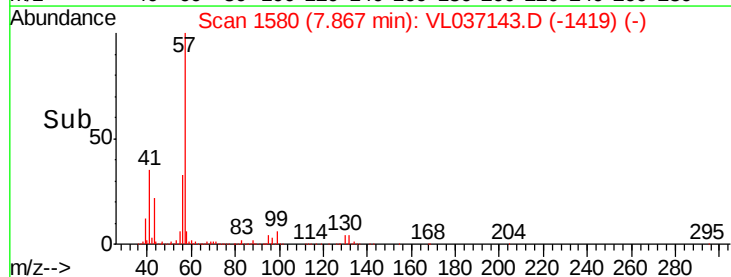
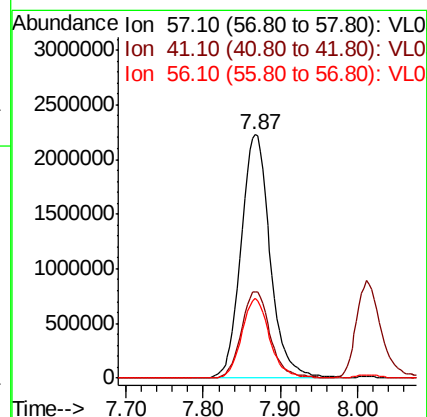
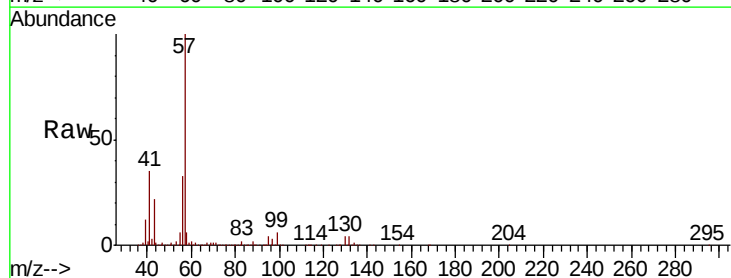
Instrument :
MSVOA_L
ClientSampleId :

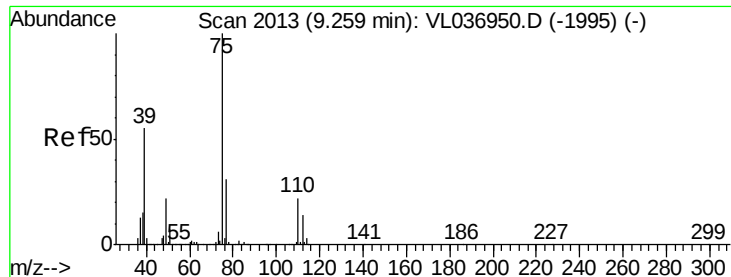
Tot Ion: 69 Resp: 1280586
Ion Ratio Lower Upper
69 100
41 152.9 118.6 178.0
100 35.7 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 9.701 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 57 Resp: 5792850
Ion Ratio Lower Upper
57 100
41 35.2 27.0 40.4
56 31.4 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 13.961 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

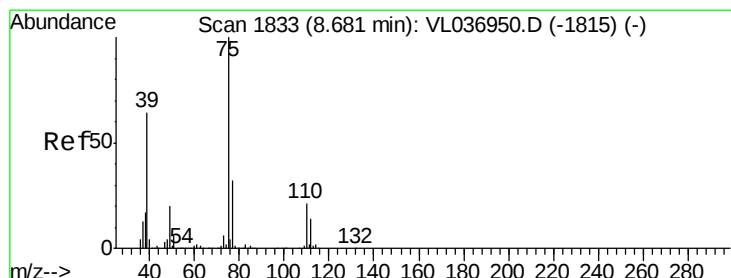
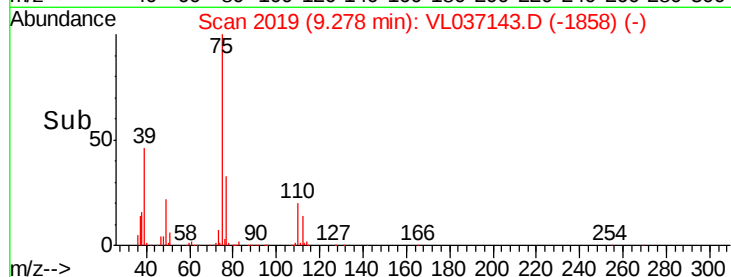
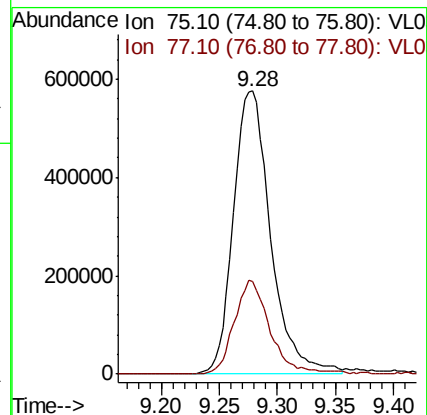
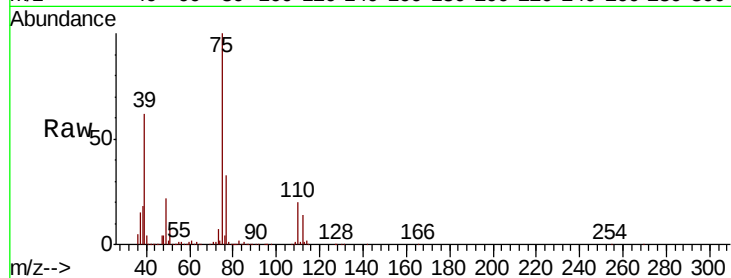
ClientSampleId :

Tot Ion: 75 Resp: 1279591

Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 12.962 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

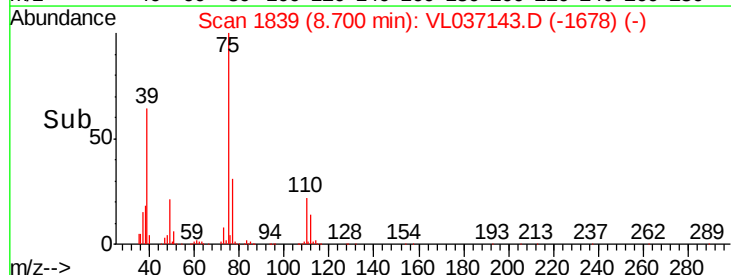
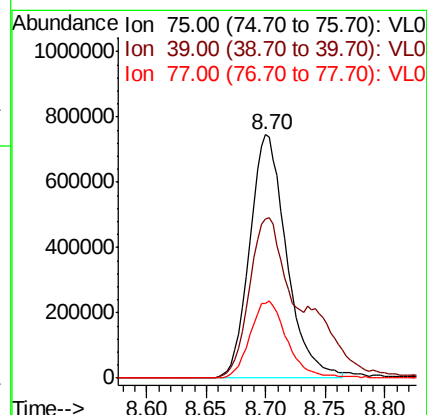
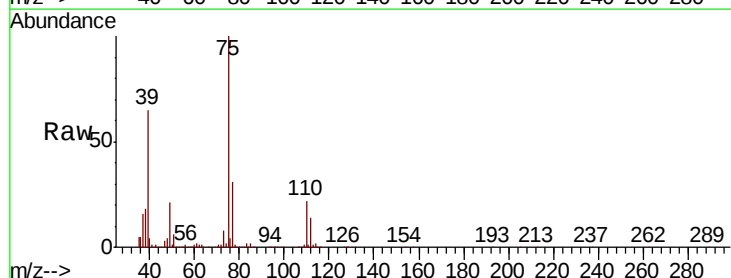
Tgt Ion: 75 Resp: 1597933

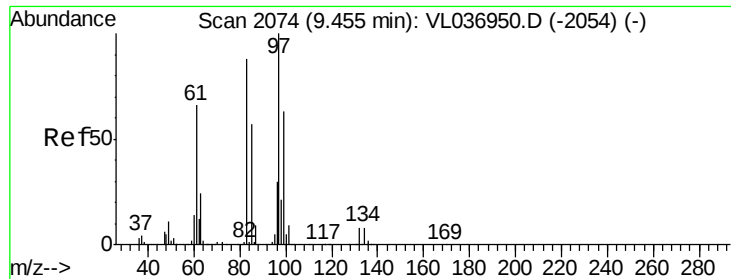
Ion Ratio Lower Upper

75 100

39 65.1 51.5 77.3

77 30.7 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.874 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 97 Resp: 1526068

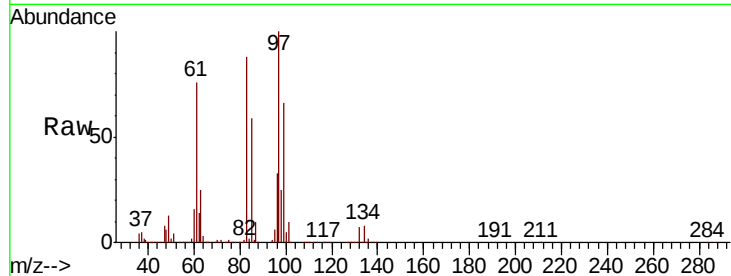
Ion Ratio Lower Upper

97 100

83 87.6 70.4 105.6

85 58.6 45.5 68.3

99 65.5 50.2 75.2

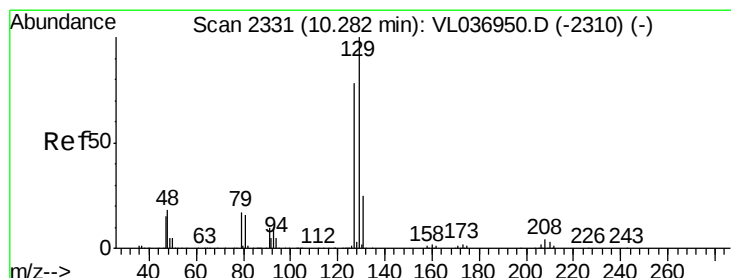
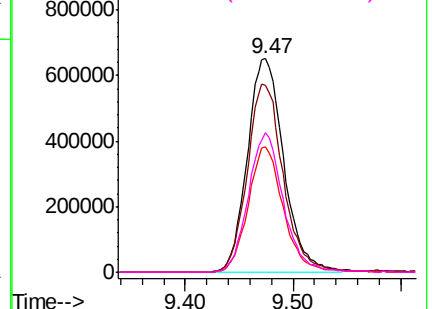
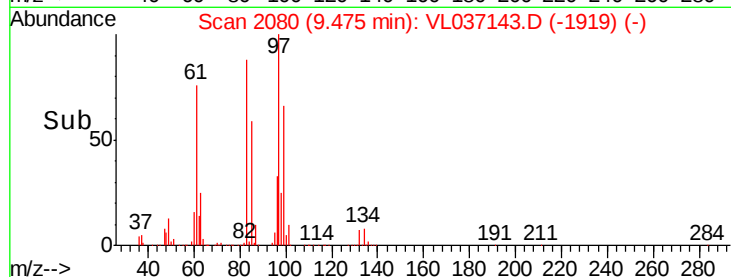


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.988 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. 0.02 min

Lab File: VL037143.D

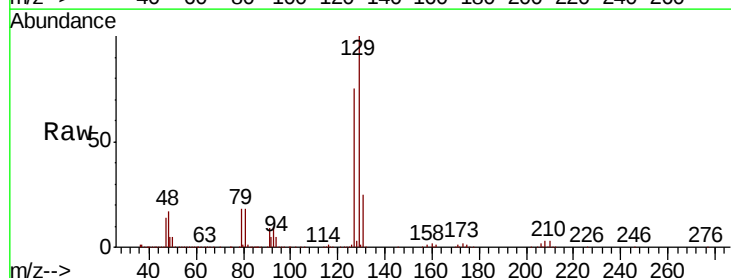
Acq: 8 Jun 2021 22:15

Tgt Ion: 129 Resp: 2724147

Ion Ratio Lower Upper

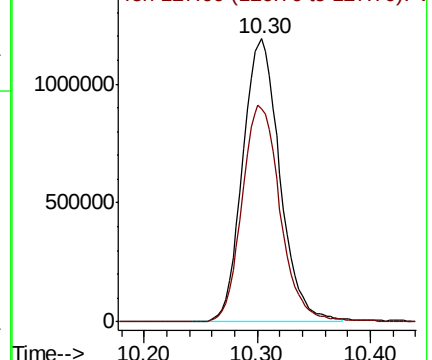
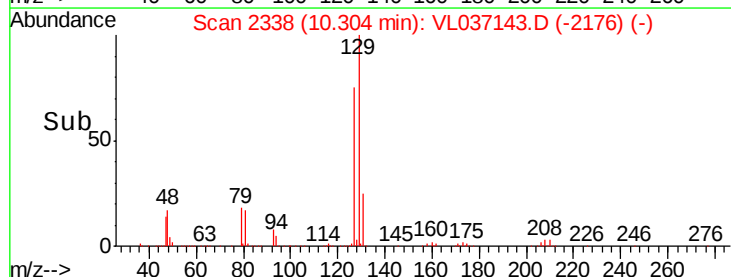
129 100

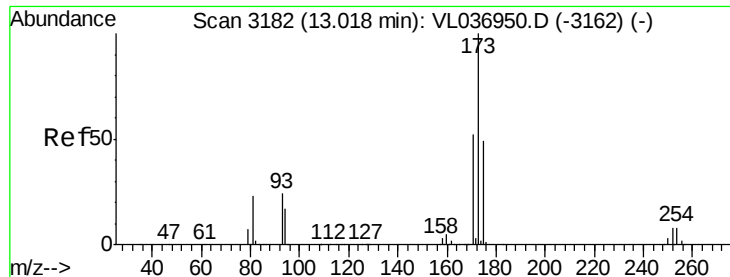
127 79.2 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.025 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

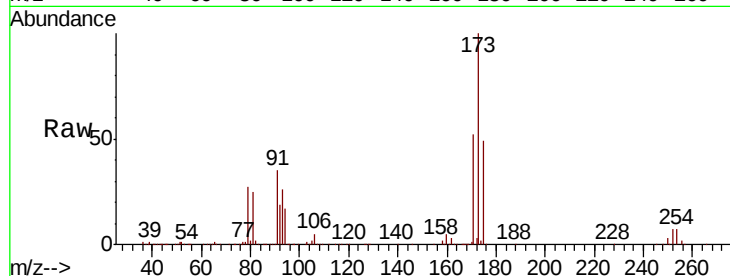
Tot Ion:173 Resp: 2256606

Ion Ratio Lower Upper

173 100

175 50.1 40.4 60.6

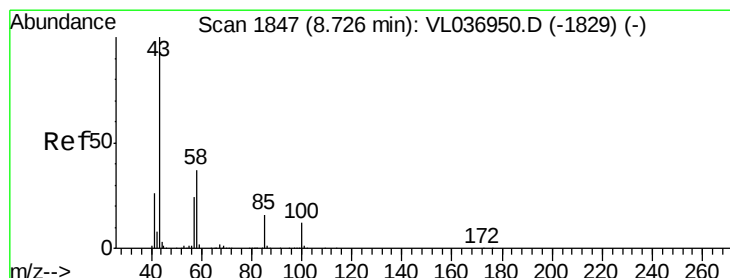
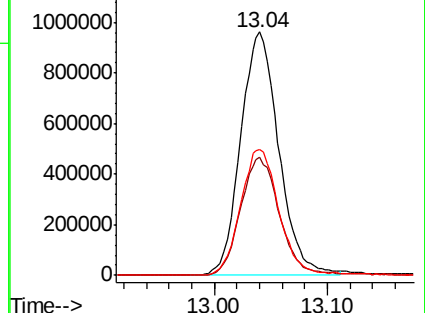
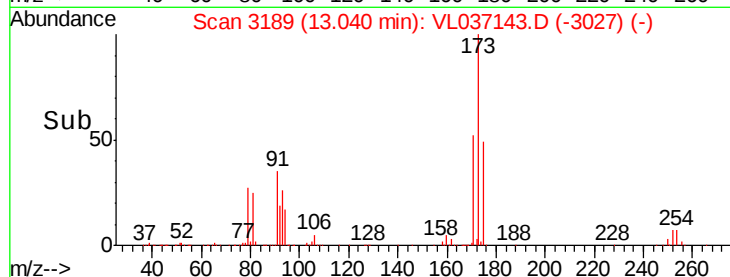
171 53.2 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.442 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037143.D

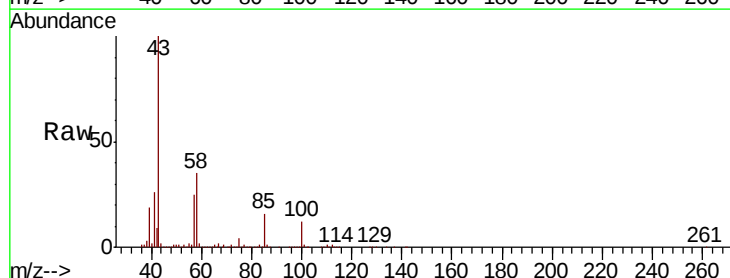
Acq: 8 Jun 2021 22:15

Tgt Ion: 43 Resp: 2535273

Ion Ratio Lower Upper

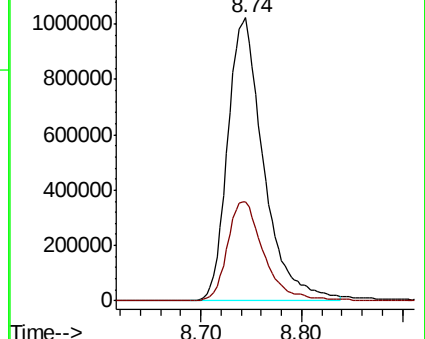
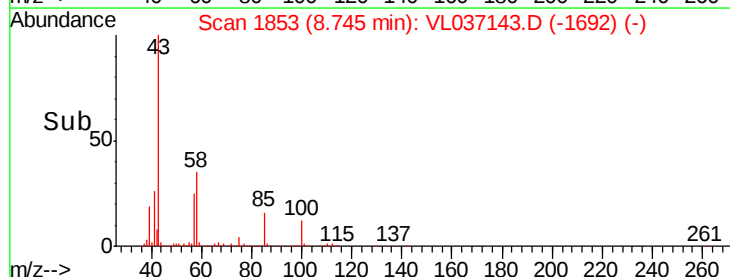
43 100

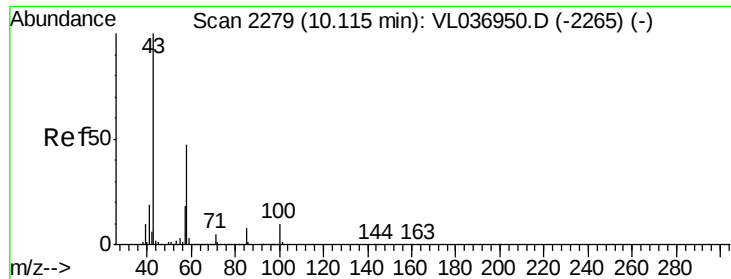
58 36.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

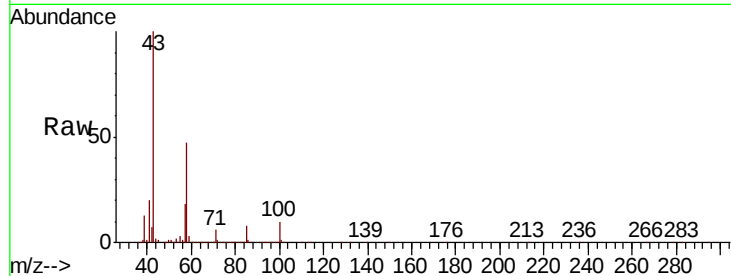




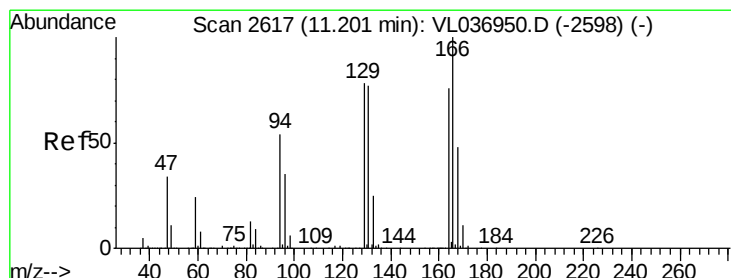
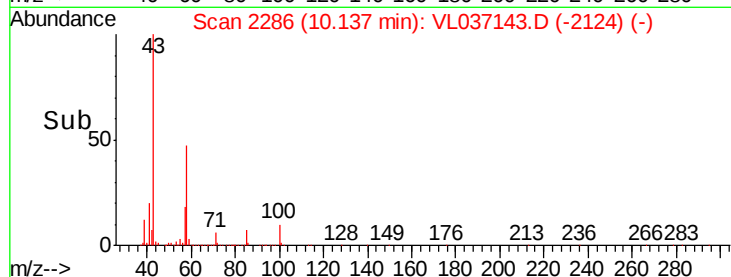
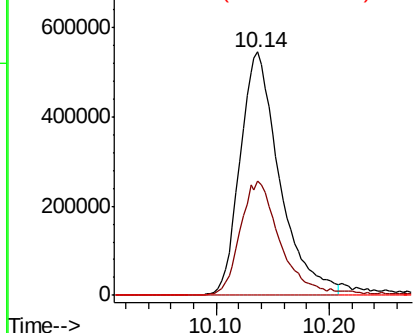
#51
2-Hexanone
Concen: 10.332 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1326283
Ion Ratio Lower Upper
43 100
58 49.5 41.1 61.7
98 0.4 0.1 0.1#

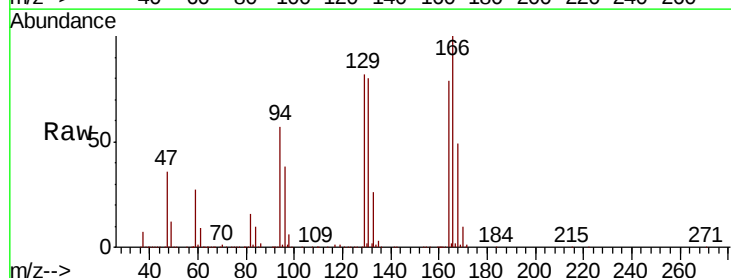


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

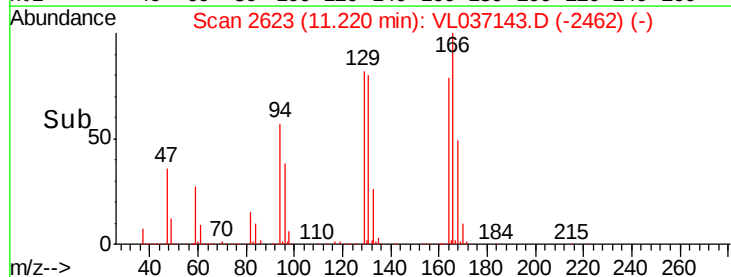
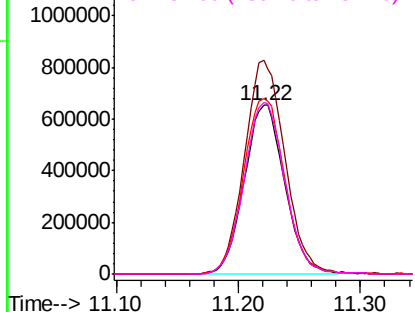


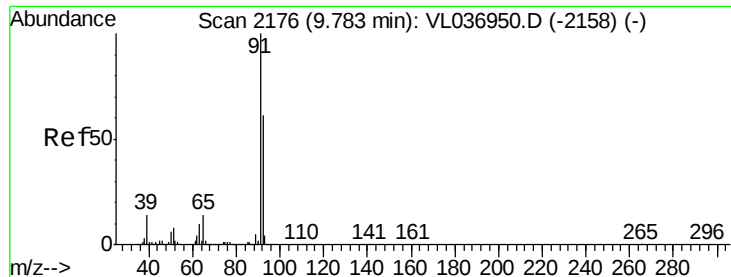
#52
Tetrachloroethene
Concen: 10.756 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion:164 Resp: 1488777
Ion Ratio Lower Upper
164 100
166 126.5 105.5 158.3
129 104.2 81.8 122.8
131 101.8 81.2 121.8



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: 10.288 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

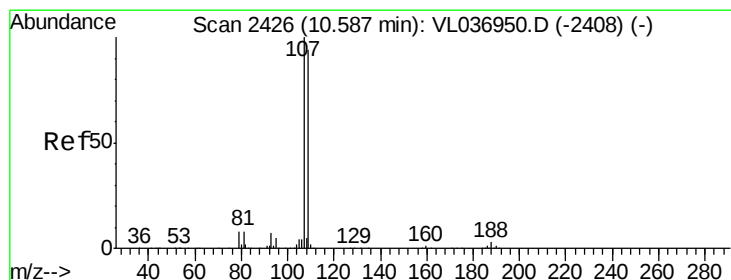
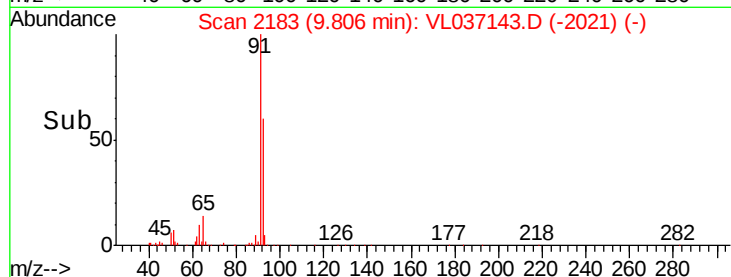
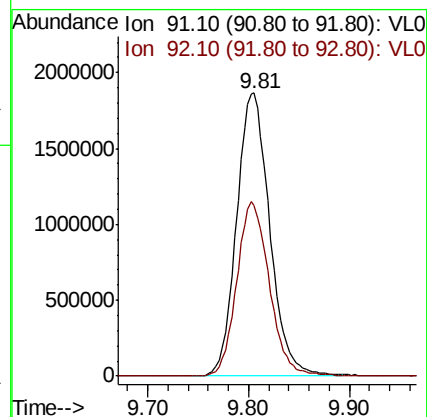
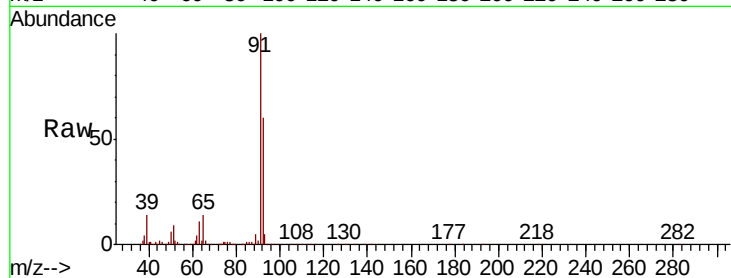
ClientSampleId :

Tot Ion: 91 Resp: 4261006

Ion Ratio Lower Upper

91 100

92 61.0 49.5 74.3



#54

1,2-Dibromoethane

Concen: 11.526 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL037143.D

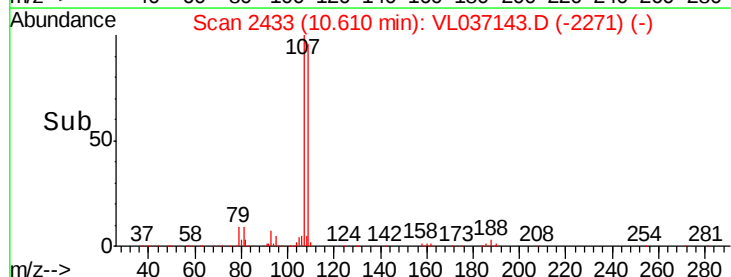
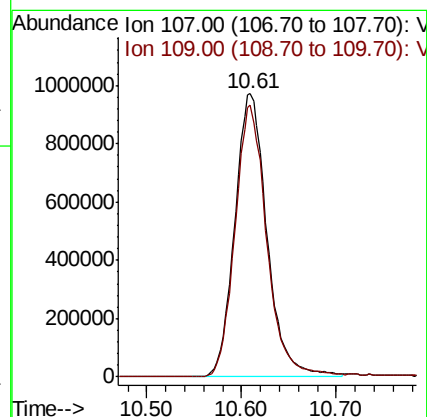
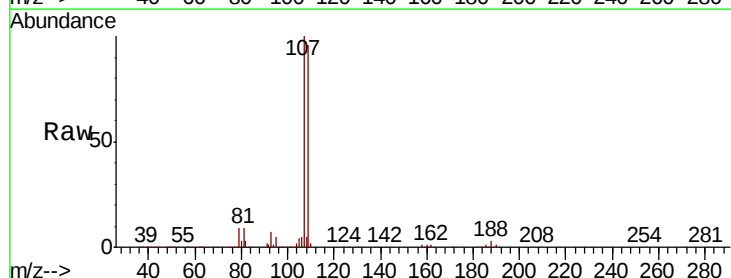
Acq: 8 Jun 2021 22:15

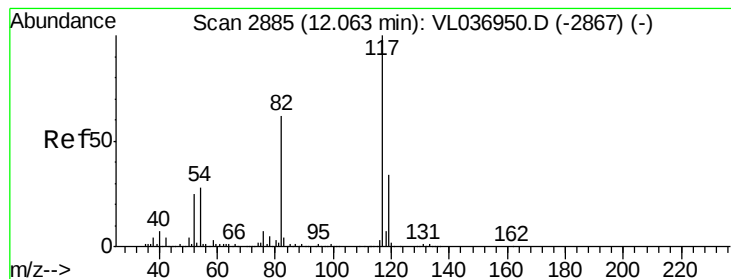
Tgt Ion: 107 Resp: 2299712

Ion Ratio Lower Upper

107 100

109 96.0 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

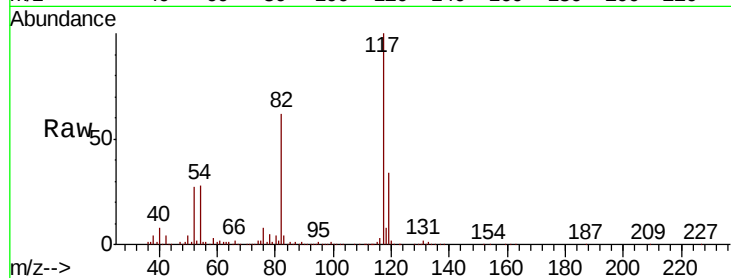
Tot Ion:117 Resp: 4878952

Ion Ratio Lower Upper

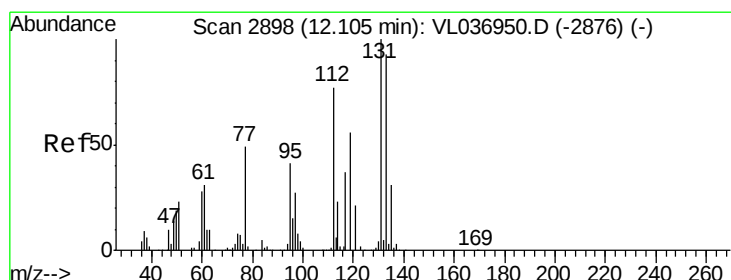
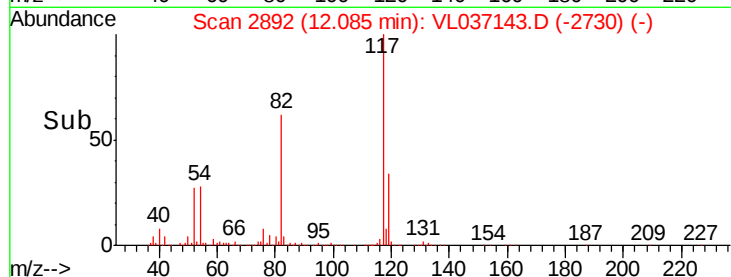
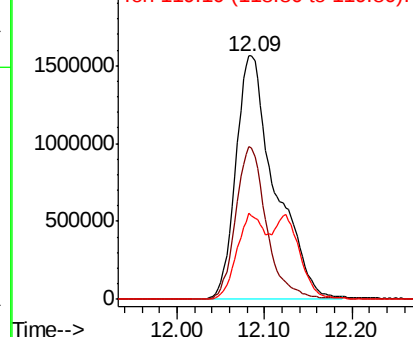
117 100

82 50.1 52.6 79.0#

119 25.3 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.999 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

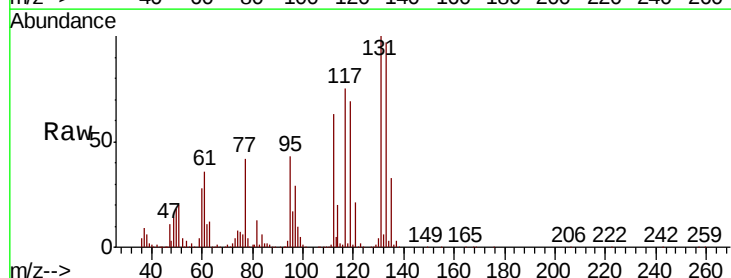
Tgt Ion:131 Resp: 1847469

Ion Ratio Lower Upper

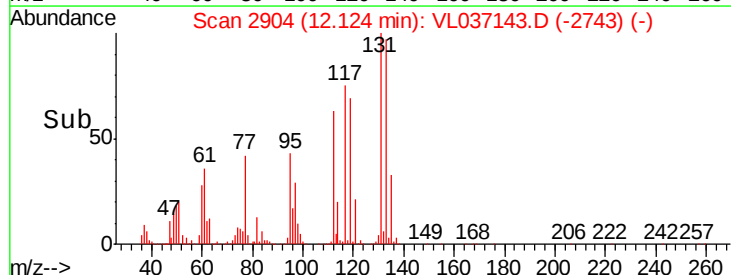
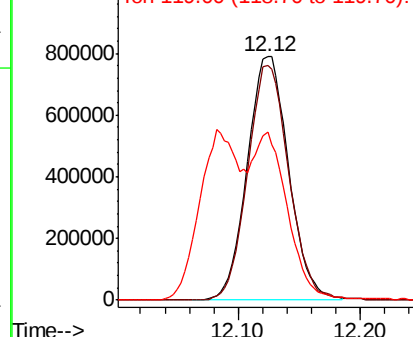
131 100

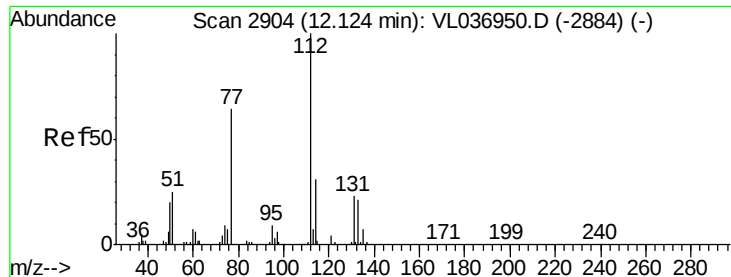
133 96.6 76.9 115.3

119 58.1 120.2 180.4#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

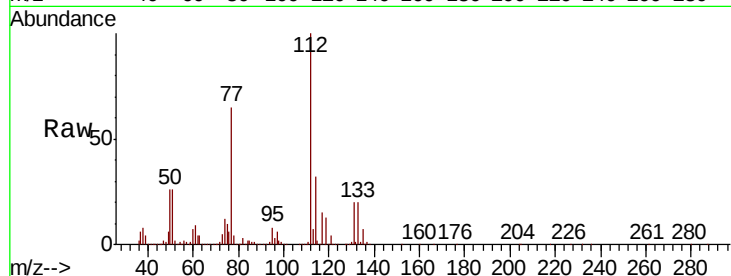




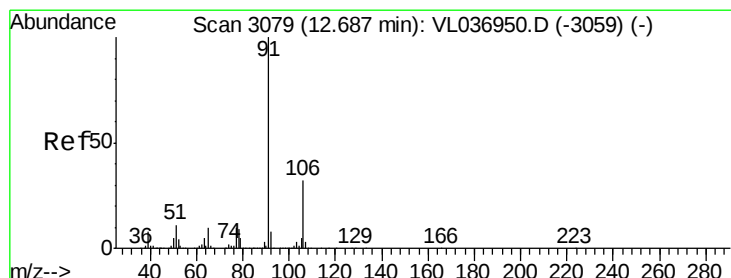
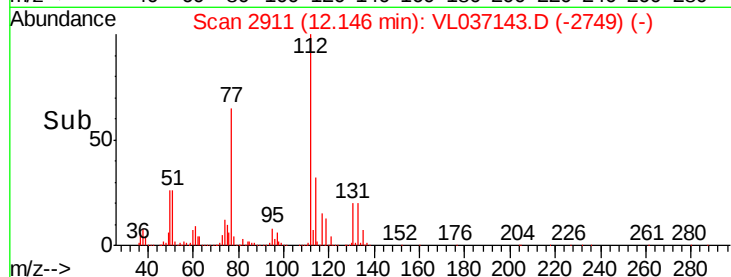
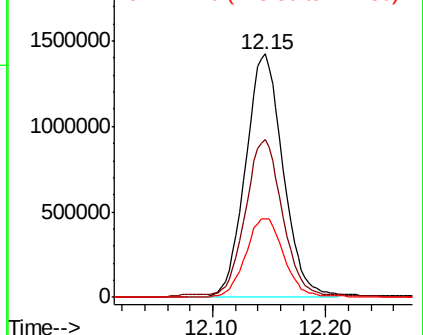
#57
Chlorobenzene
Concen: 8.695 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3289445
Ion Ratio Lower Upper
112 100
77 63.8 51.0 76.6
114 32.3 28.3 34.5

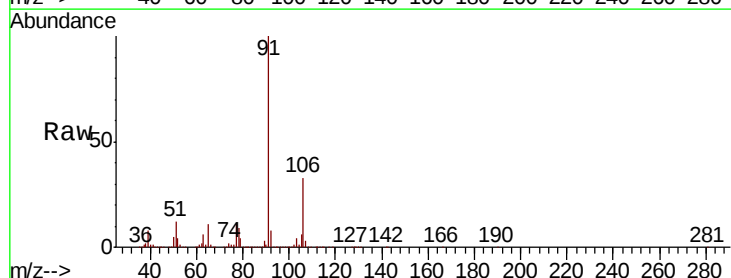


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

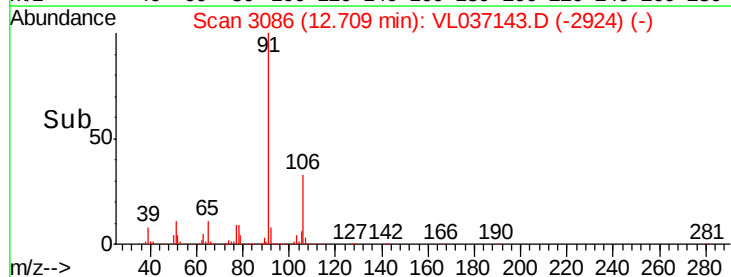
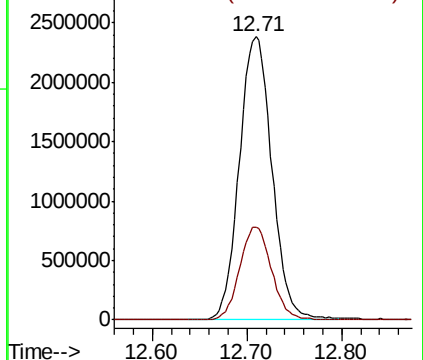


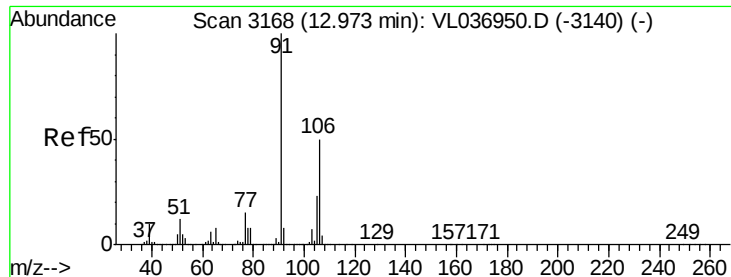
#58
Ethyl Benzene
Concen: 8.308 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 5720978
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4



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

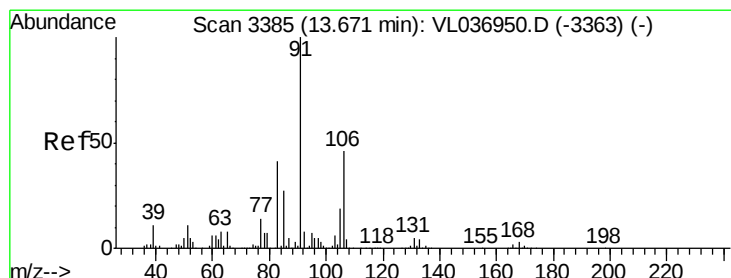
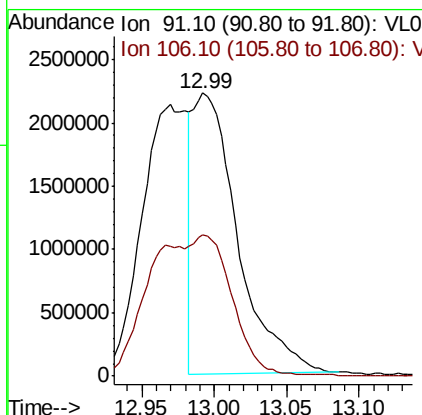
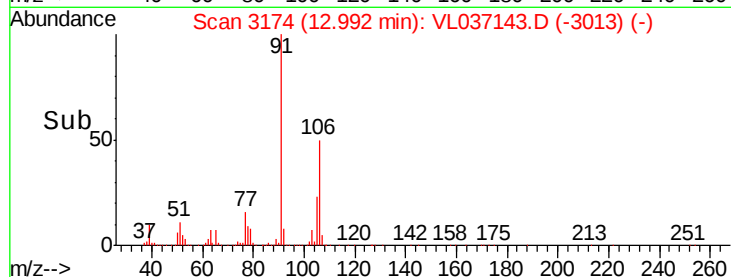
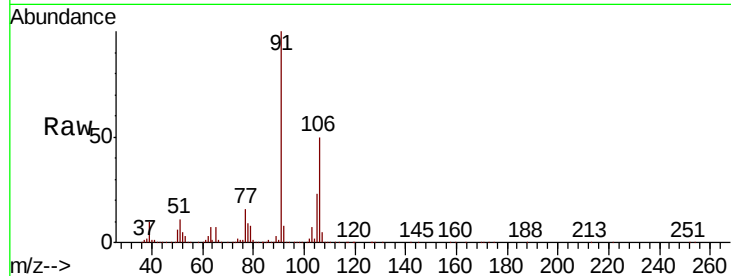




#59
m/p-Xylene
Concen: 8.356 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

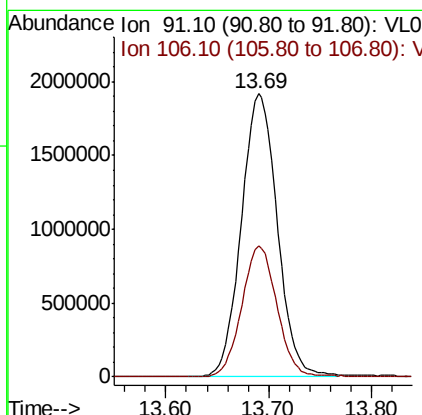
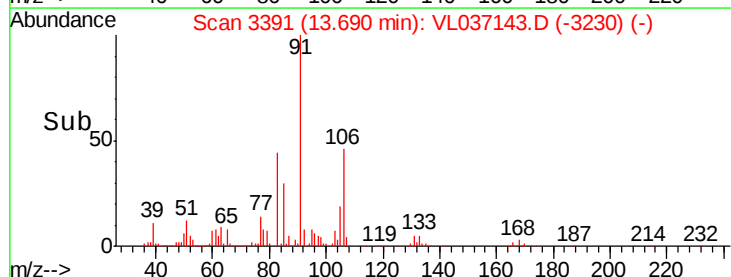
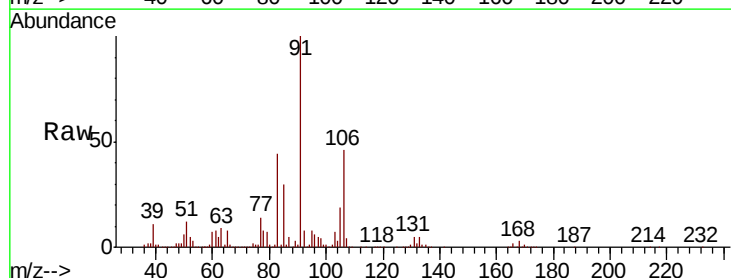
Instrument :
MSVOA_L
ClientSampleId :

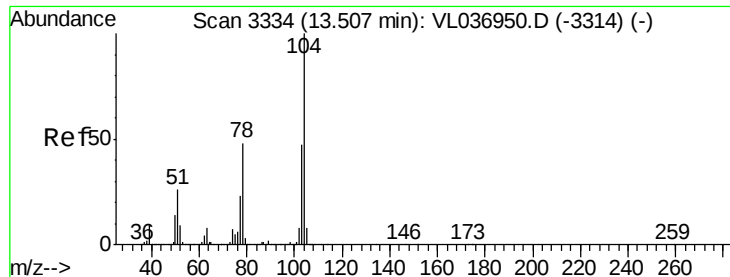
Tot Ion: 91 Resp: 4756329
Ion Ratio Lower Upper
91 100
106 93.4 37.4 56.2#



#60
o-Xylene
Concen: 8.540 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 4636224
Ion Ratio Lower Upper
91 100
106 45.7 23.4 70.3





#61

Stvrene

Concen: 8.802 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

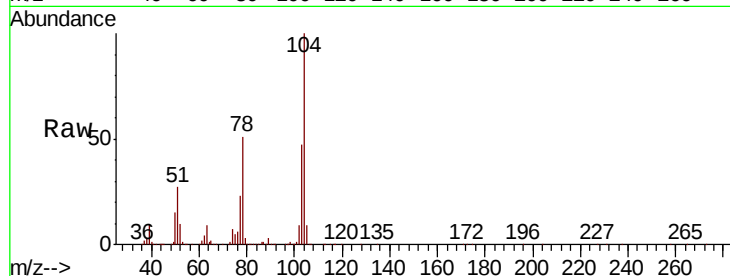
Tot Ion:104 Resp: 2692004

Ion Ratio Lower Upper

104 100

78 50.8 39.0 58.6

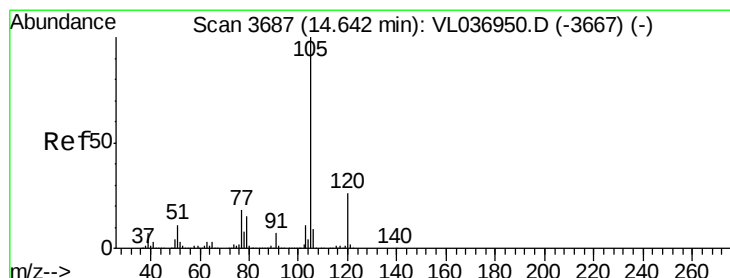
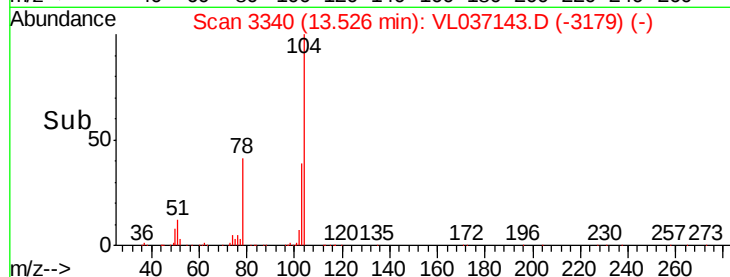
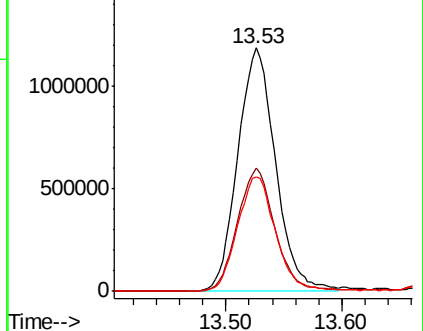
103 48.1 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.209 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037143.D

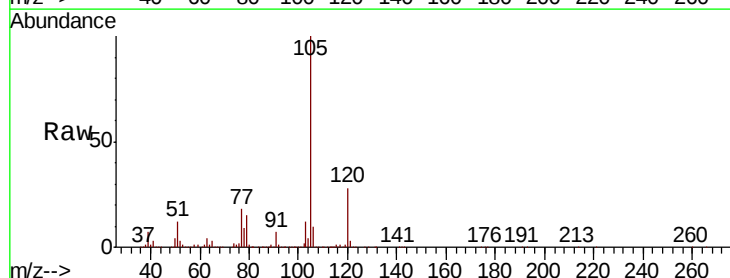
Acq: 8 Jun 2021 22:15

Tgt Ion:105 Resp: 6404392

Ion Ratio Lower Upper

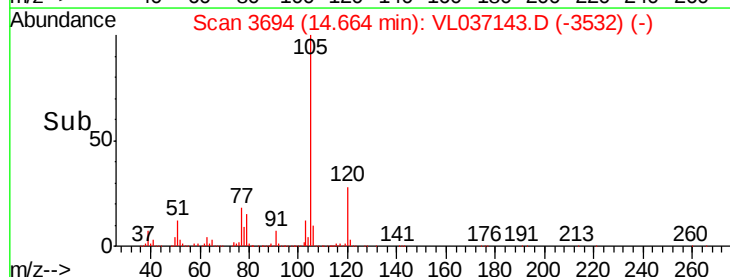
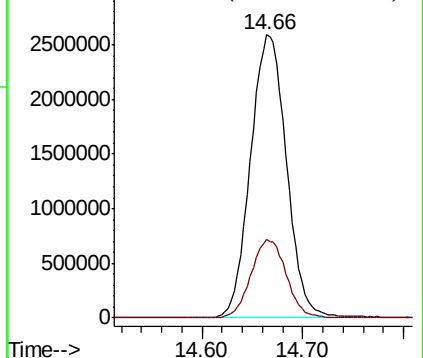
105 100

120 27.2 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.649 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

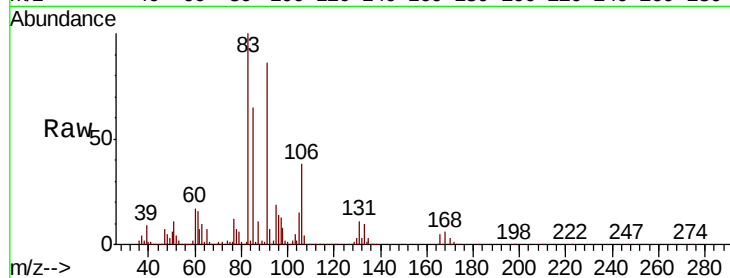
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 3101140

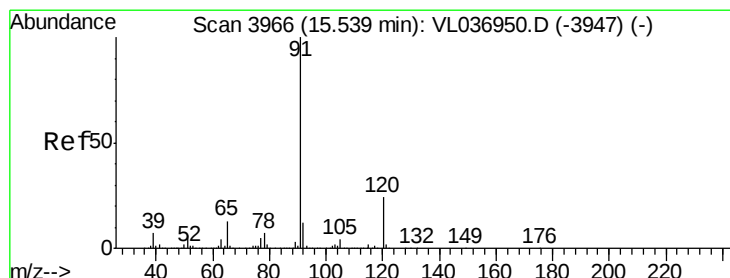
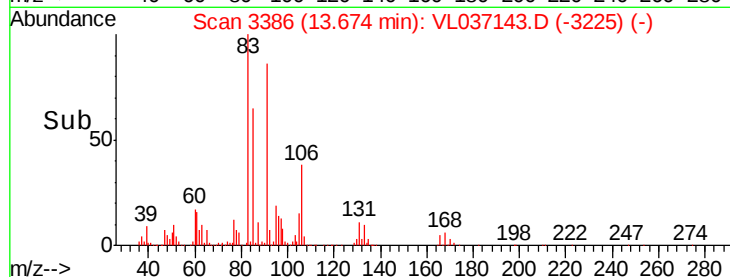
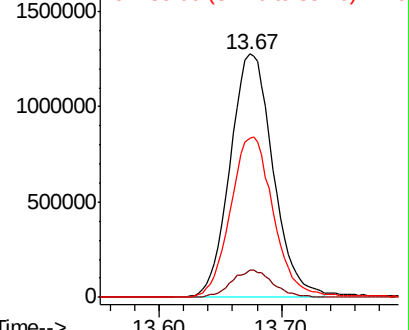
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.0	15.0
85	66.6	32.9	98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.686 ppbv

RT: 15.56 min Scan# 3973

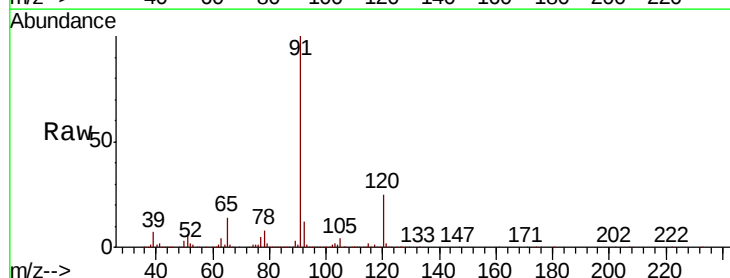
Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

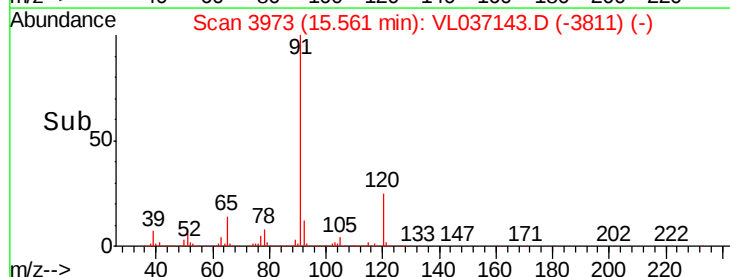
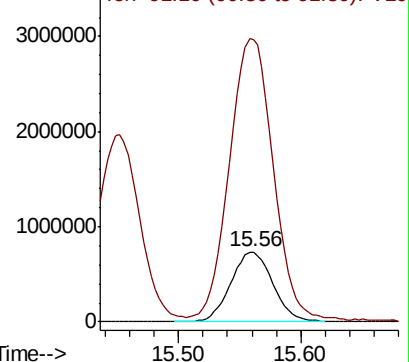
Tgt Ion:120 Resp: 1748525

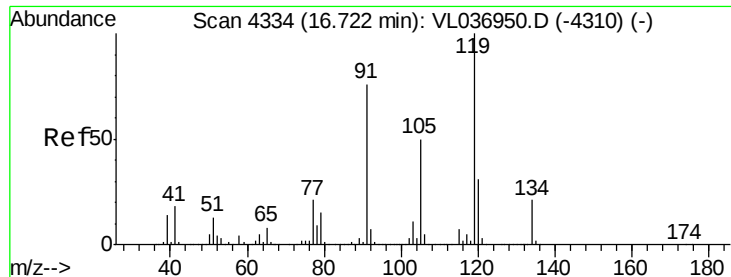
Ion	Ratio	Lower	Upper
120	100		
91	428.2	343.8	515.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

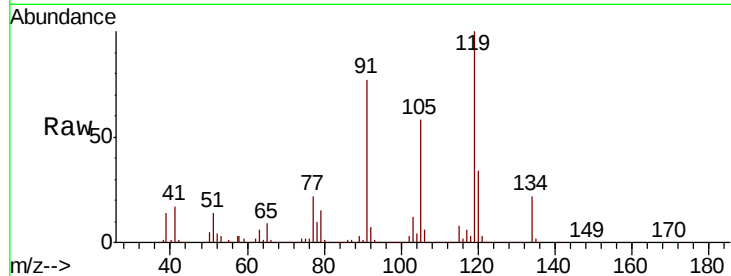




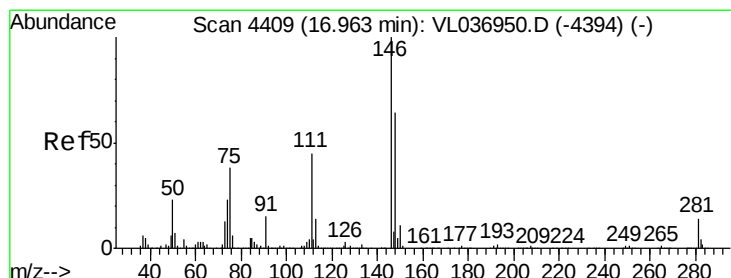
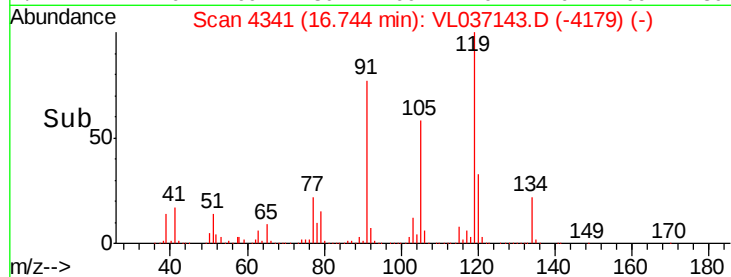
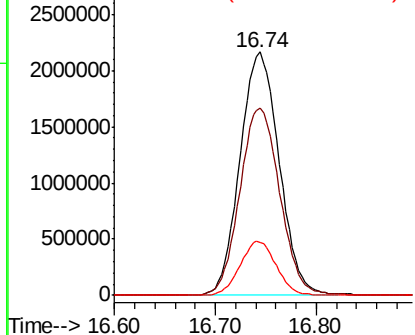
#65
tert-Butylbenzene
Concen: 8.287 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:119 Resp: 5834498
Ion Ratio Lower Upper
119 100
91 78.7 61.9 92.9
134 20.6 16.2 24.4

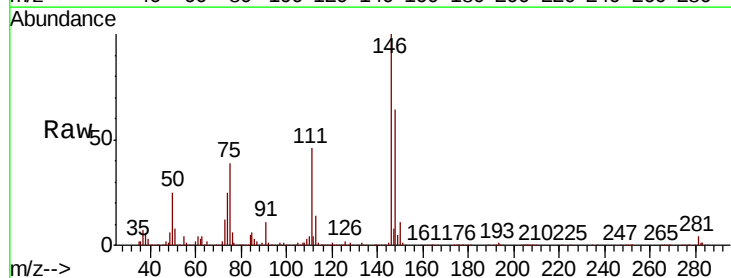


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

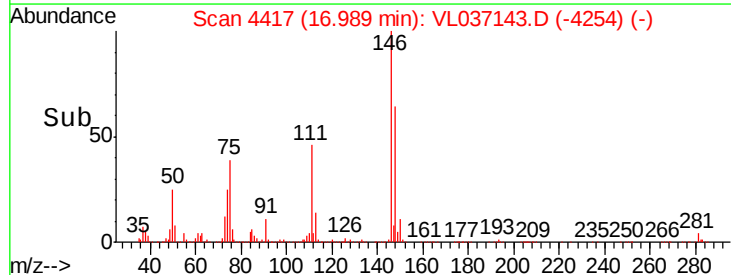
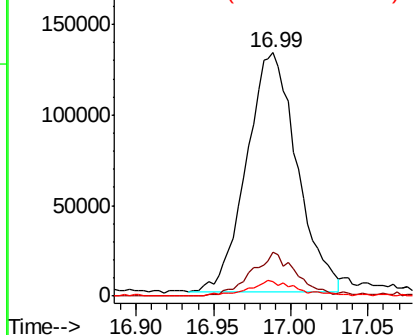


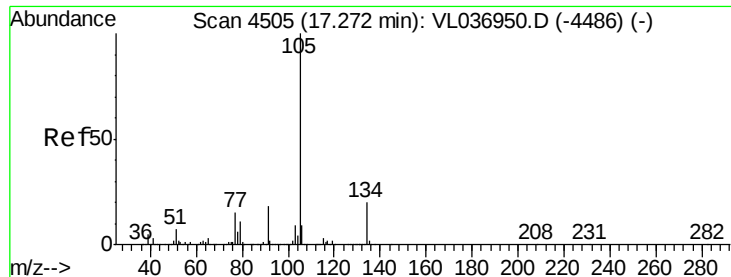
#66
Benzyl Chloride
Concen: 7.694 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. 0.03 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 300546
Ion Ratio Lower Upper
91 100
126 17.4 16.5 24.7
128 6.8 5.5 8.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.101 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

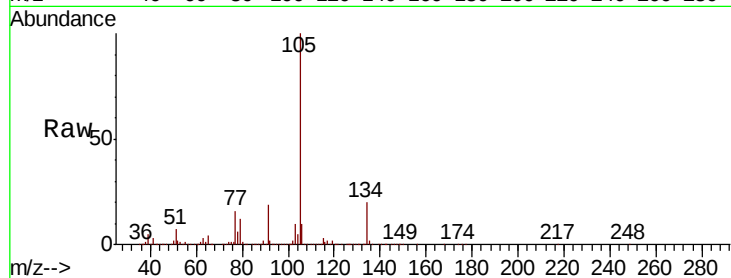
ClientSampleId :

Tot Ion:105 Resp: 7780036

Ion Ratio Lower Upper

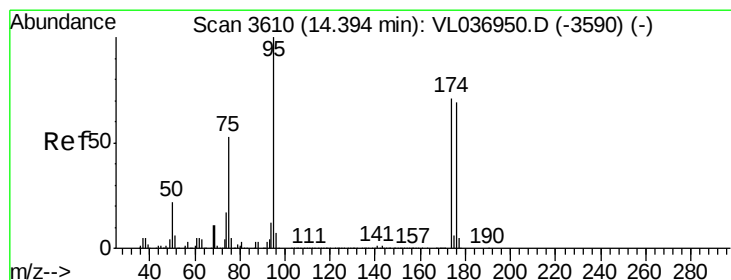
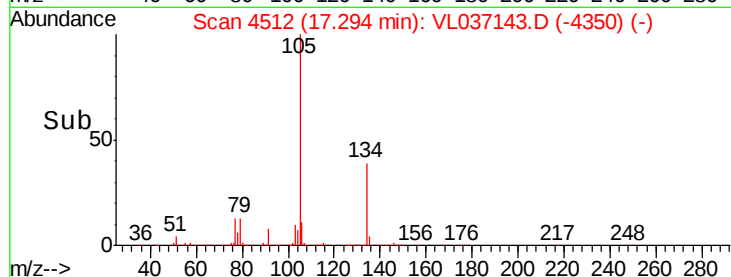
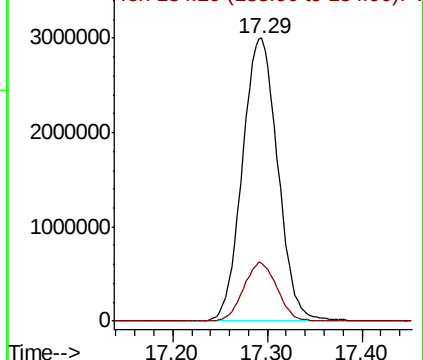
105 100

134 19.9 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.148 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

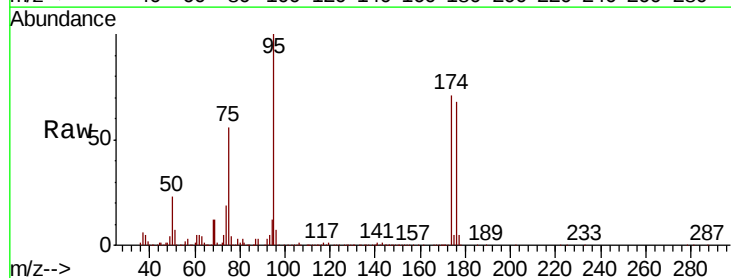
Tgt Ion: 95 Resp: 2986373

Ion Ratio Lower Upper

95 100

174 71.5 58.4 87.6

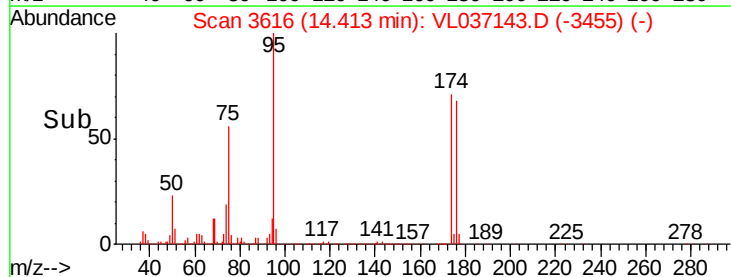
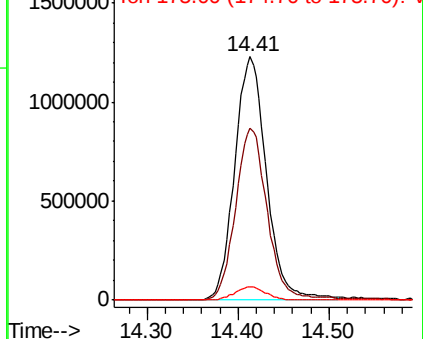
175 5.4 4.4 6.6

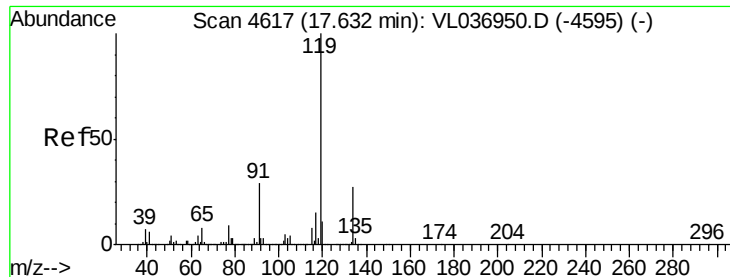


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

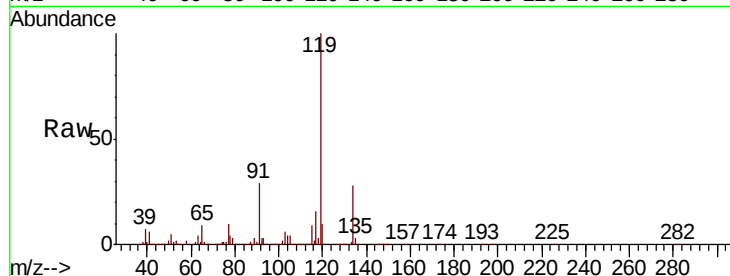




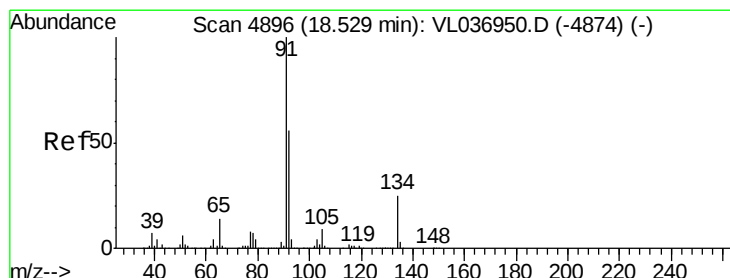
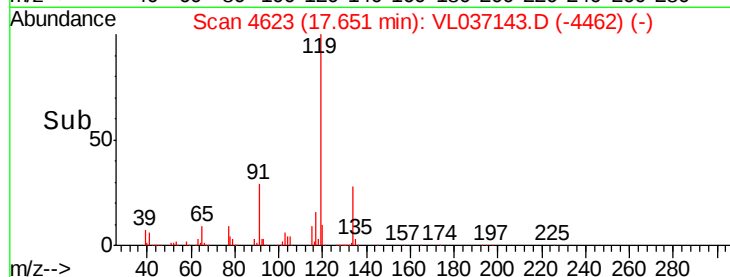
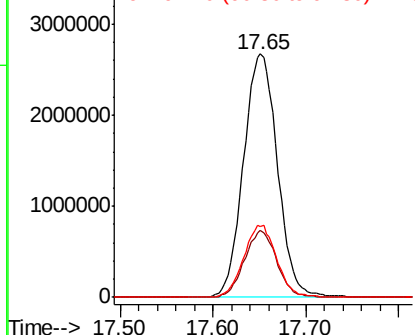
#69
 p-Isopropyltoluene
 Concen: 8.212 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6780952
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.2 31.8
 91 28.6 22.2 33.4

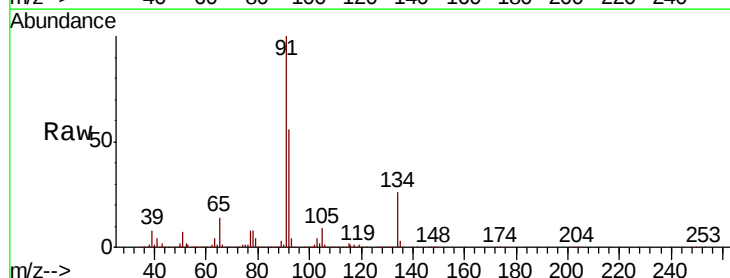


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

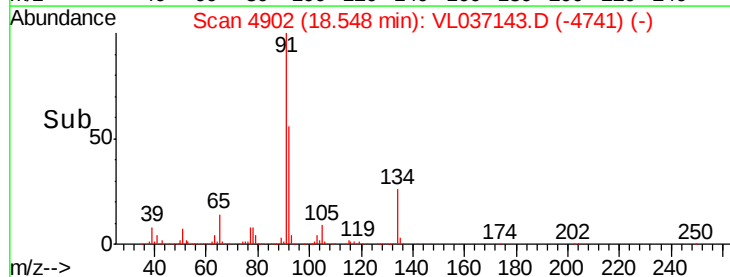
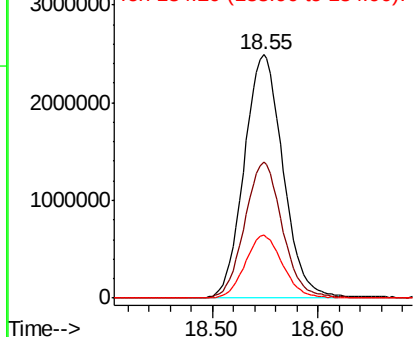


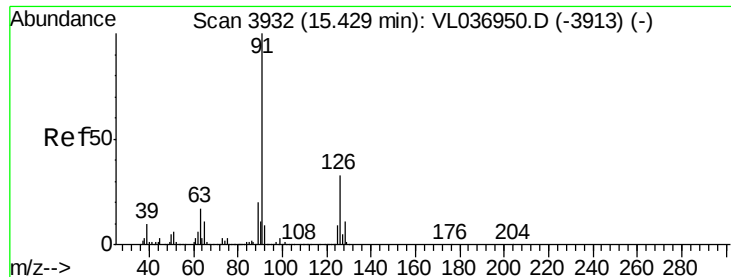
#70
 n-Butylbenzene
 Concen: 8.118 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion: 91 Resp: 6367695
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.6 66.8
 134 25.3 20.2 30.2



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

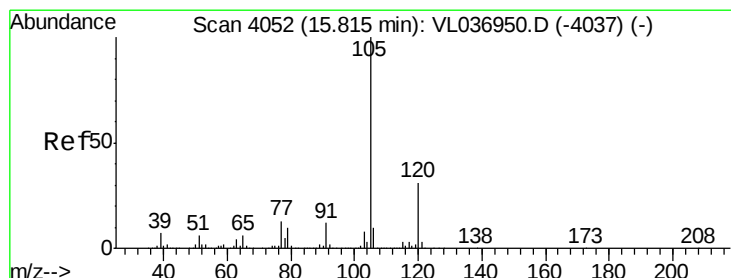
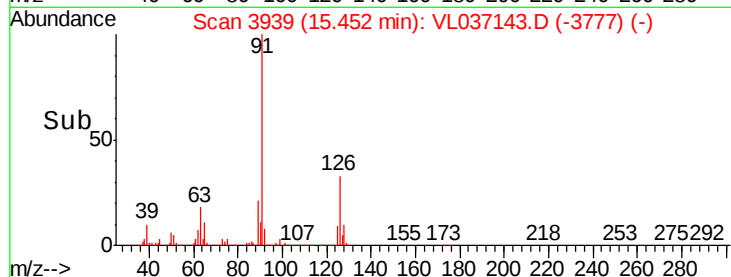
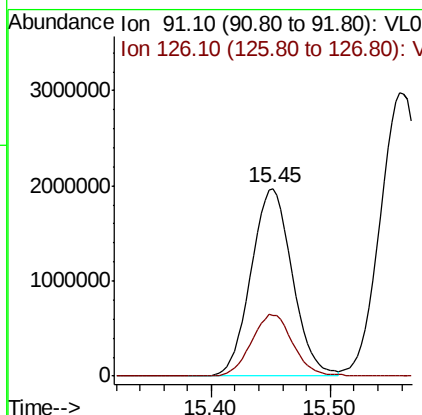
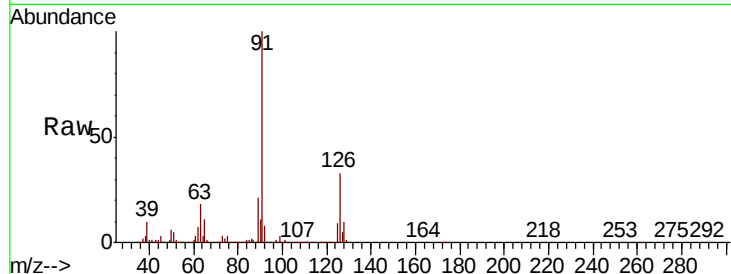




#71
2-Chlorotoluene
Concen: 8.403 ppbv
RT: 15.45 min Scan# 3939
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

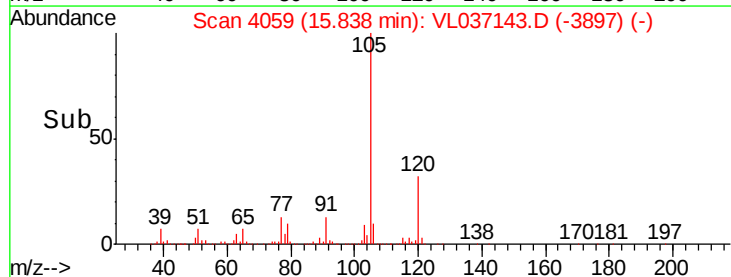
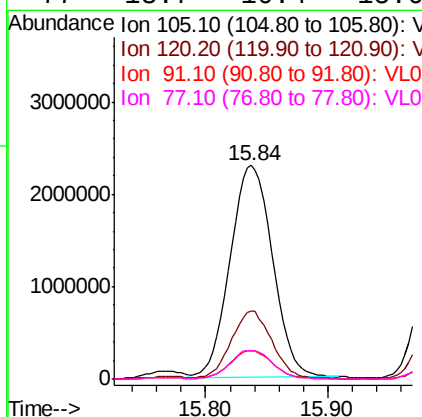
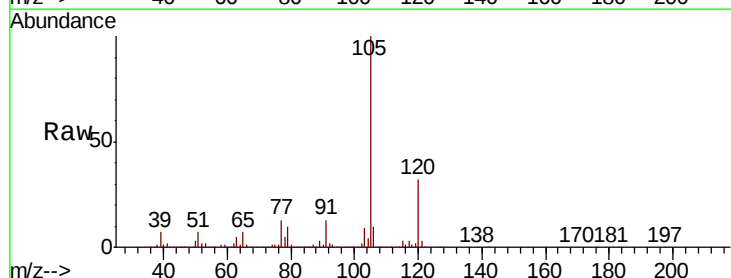
Instrument :
MSVOA_L
ClientSampleId :

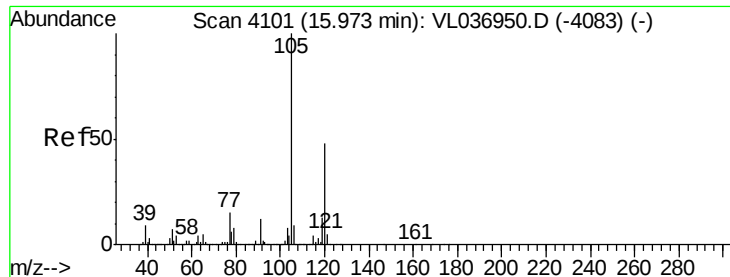
Tot Ion: 91 Resp: 4734876
Ion Ratio Lower Upper
91 100
126 33.5 13.1 52.5



#72
4-Ethyltoluene
Concen: 8.616 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.02 min
Lab File: VL037143.D
Acq: 8 Jun 2021 22:15

Tgt Ion: 105 Resp: 5551721
Ion Ratio Lower Upper
105 100
120 31.1 24.6 37.0
91 13.2 9.8 14.6
77 13.7 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.408 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

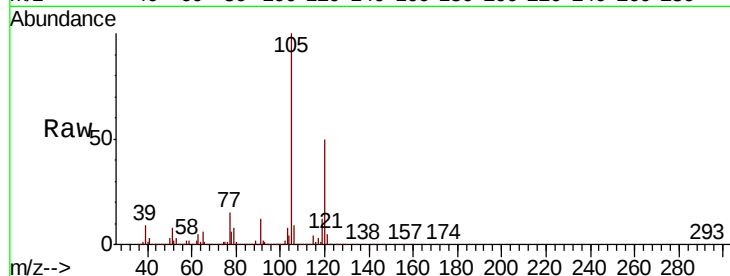
ClientSampleId :

Tot Ion:105 Resp: 5087404

Ion Ratio Lower Upper

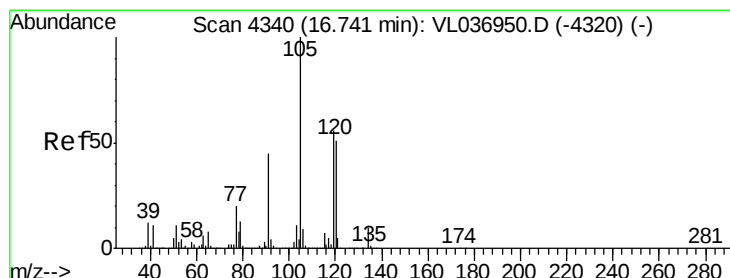
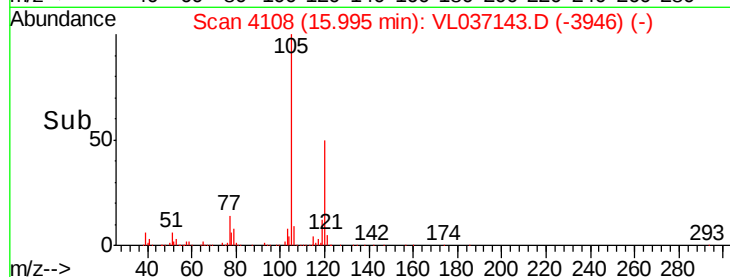
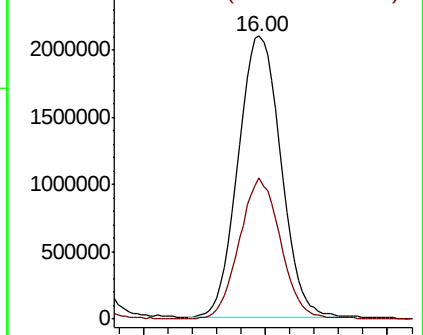
105 100

120 49.7 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.486 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Tgt Ion:105 Resp: 5308800

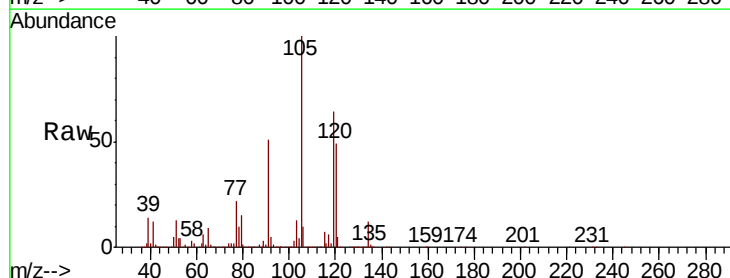
Ion Ratio Lower Upper

105 100

120 48.9 40.6 61.0

91 50.7 37.4 56.0

77 22.5 16.2 24.4

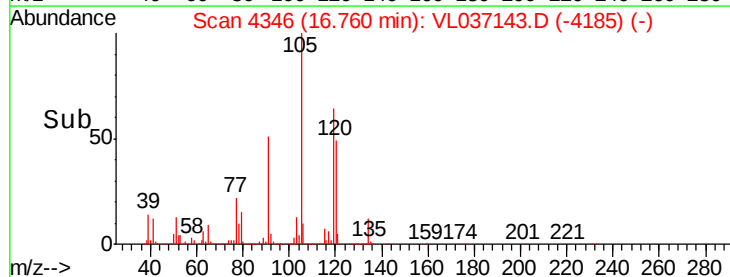
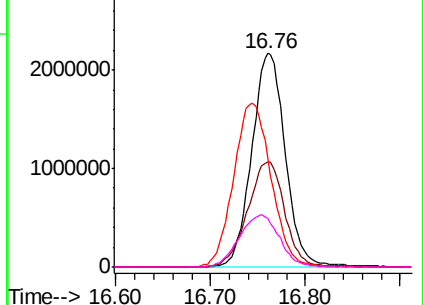


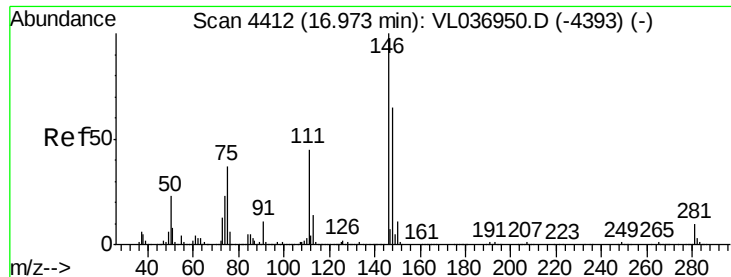
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.639 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

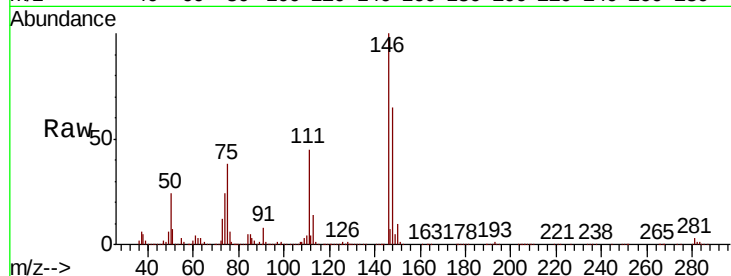
Tot Ion:146 Resp: 3300195

Ion Ratio Lower Upper

146 100

111 45.2 22.2 66.6

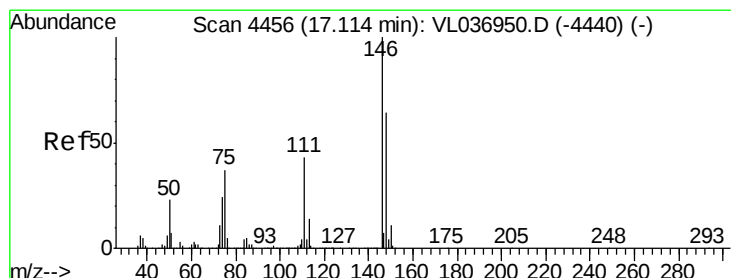
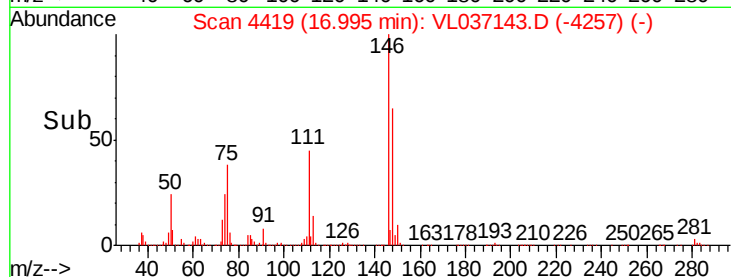
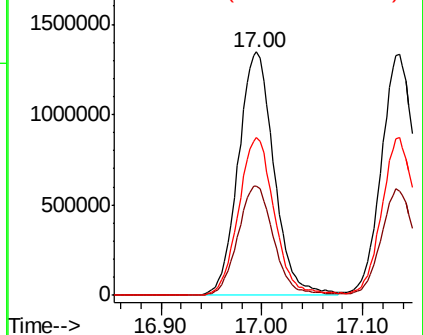
148 65.0 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.262 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.02 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

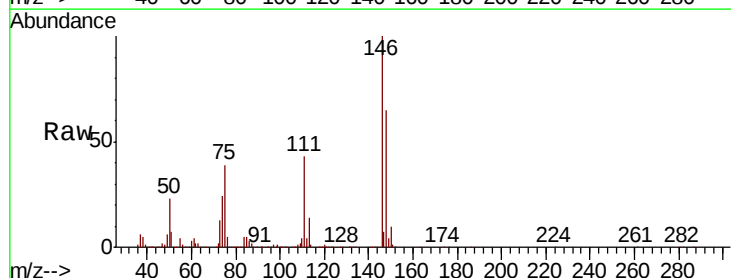
Tgt Ion:146 Resp: 3191368

Ion Ratio Lower Upper

146 100

111 44.6 22.6 67.7

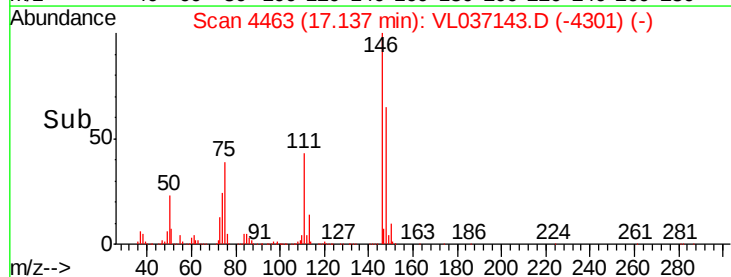
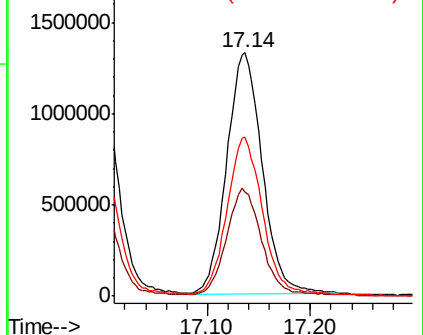
148 66.2 33.5 100.5

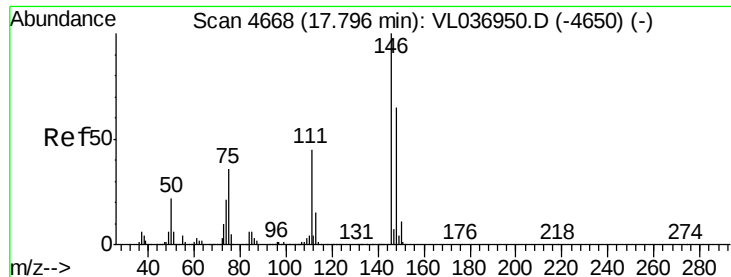


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

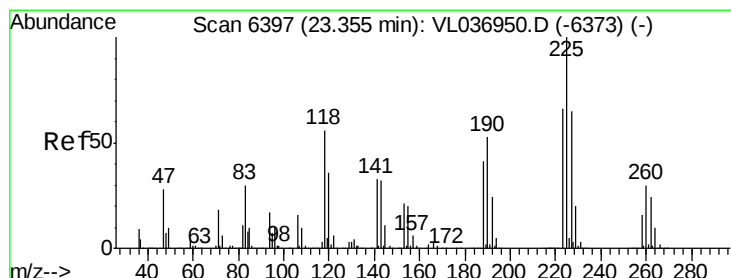
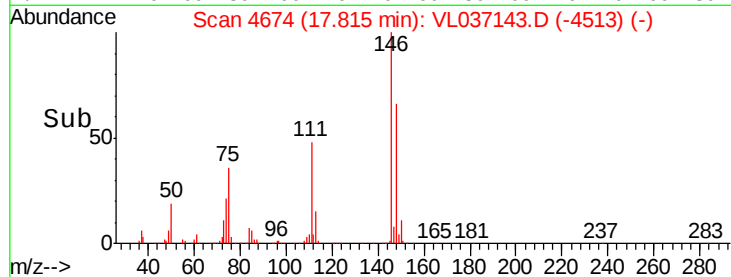
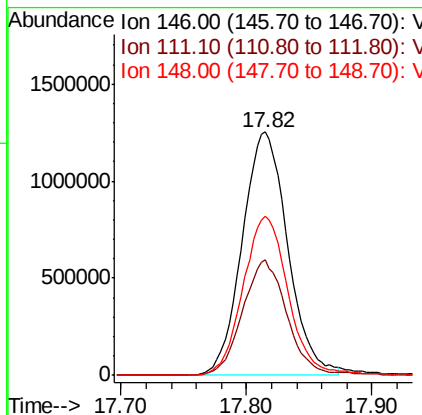
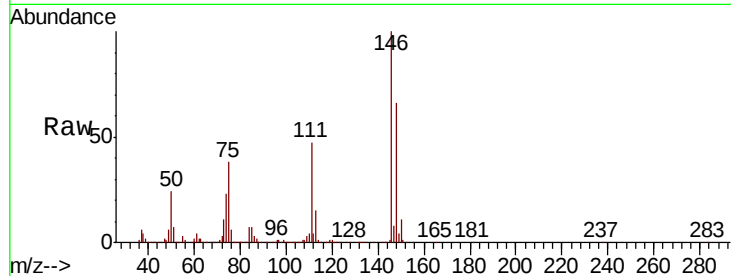




#77
 1,2-Dichlorobenzene
 Concen: 8.185 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

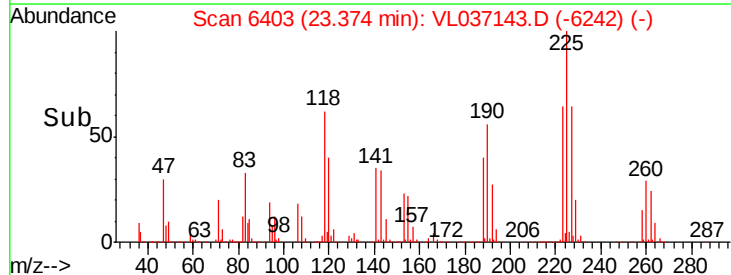
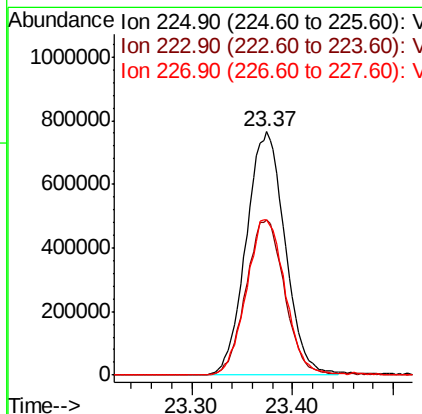
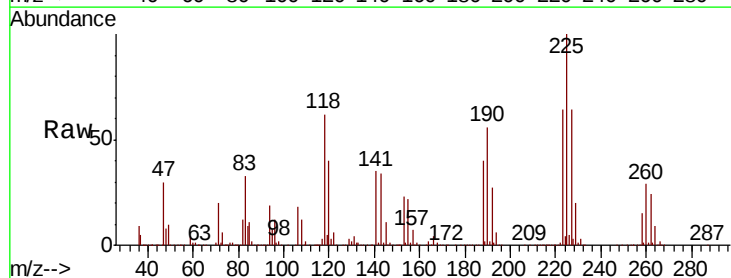
Instrument :
 MSVOA_L
 ClientSampleId :

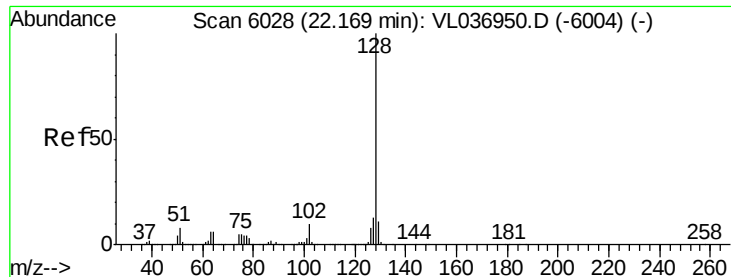
Tot Ion:146 Resp: 3133072
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.1 69.2
 148 66.3 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.626 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Tgt Ion:225 Resp: 2039492
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.9 77.9
 227 64.7 51.8 77.6





#79

Naphthalene

Concen: 8.031 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

Instrument :

MSVOA_L

ClientSampleId :

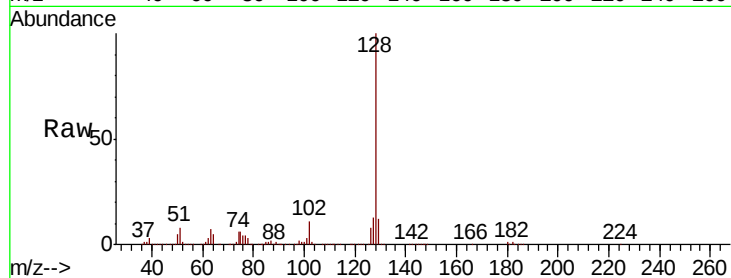
Tot Ion:128 Resp: 3942171

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

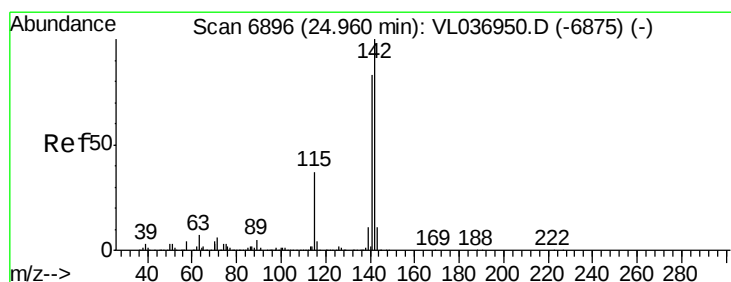
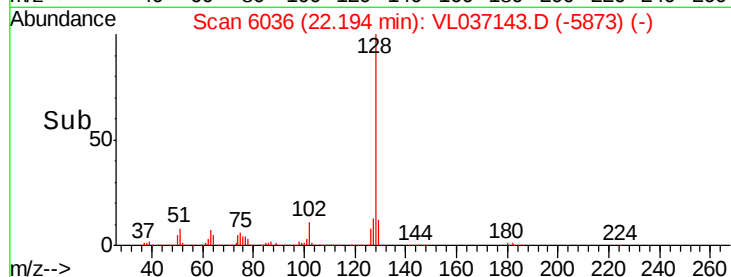
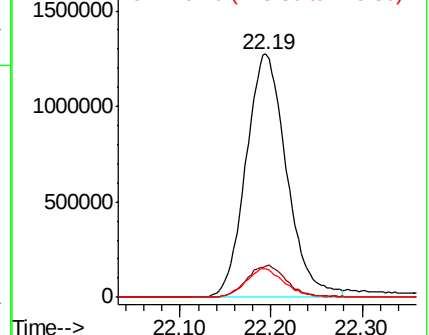
129 11.7 9.0 13.6



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.771 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.01 min

Lab File: VL037143.D

Acq: 8 Jun 2021 22:15

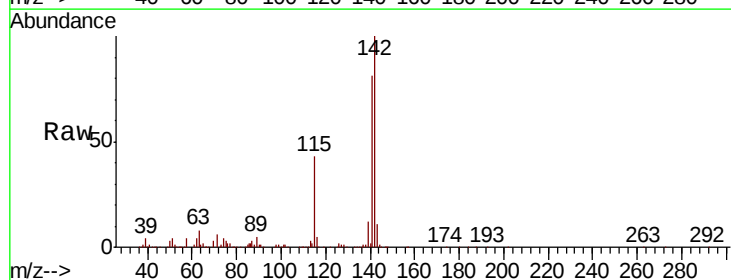
Tgt Ion:142 Resp: 936244

Ion Ratio Lower Upper

142 100

141 82.5 69.3 103.9

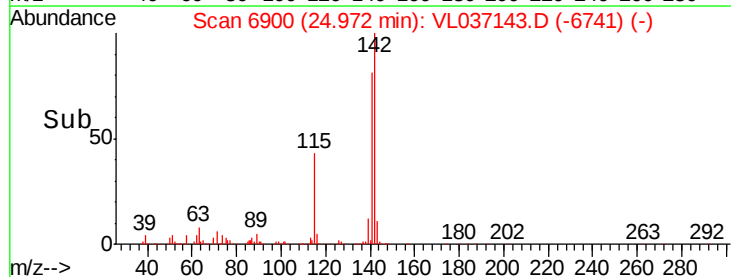
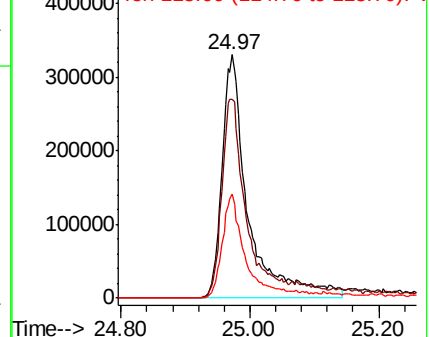
115 38.4 29.1 43.7

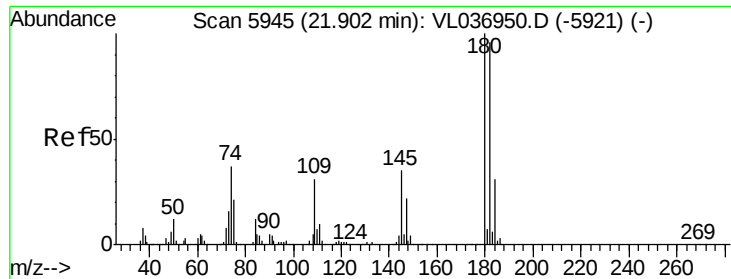


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

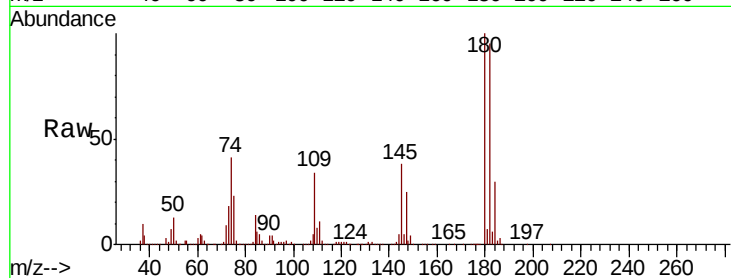




#81
 1,2,4-Trichlorobenzene
 Concen: 7.648 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL037143.D
 Acq: 8 Jun 2021 22:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2288694
 Ion Ratio Lower Upper
 180 100
 182 99.5 81.7 122.5
 184 31.2 24.9 37.3



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

