

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038593.D
 Acq On : 14 Mar 2022 12:03
 Operator : SY/AP
 Sample : VL0314ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Quant Time: Mar 15 01:34:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	823521	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2231279	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2676953	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1679449	8.25	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1266871	10.19	ppbv	99
3) Chlorodifluoromethane	2.98	51	1447575	9.97	ppbv	99
4) Chloromethane	3.13	50	575822	10.70	ppbv	97
5) Vinyl Chloride	3.24	62	548830	10.16	ppbv	100
6) Bromomethane	3.46	94	314636	10.85	ppbv	99
7) Chloroethane	3.54	64	186903	10.68	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	1265334	10.49	ppbv	100
9) Propene	3.00	41	512082	9.99	ppbv	100
10) Heptane	8.09	43	1323419	10.80	ppbv	97
11) Trichlorofluoromethane	3.93	101	1182619	10.84	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	940829	11.10	ppbv	99
13) Ethanol	3.59	45	55285	9.39	ppbv	98
14) Bromoethene	3.72	108	394152	10.91	ppbv	97
15) Acetone	3.83	43	688512	11.85	ppbv	99
16) 1,3-Butadiene	3.31	39	499083	10.69	ppbv	98
17) tert-Butyl alcohol	4.27	59	708519	11.23	ppbv	100
18) 1,1-Dichloroethene	4.27	96	428418	11.29	ppbv	99
19) Isopropyl Alcohol	3.95	45	399982	10.31	ppbv #	97
20) Methylene Chloride	4.32	84	345338	9.88	ppbv	98
21) Allyl Chloride	4.39	41	620630	11.09	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	455969	11.46	ppbv	99
23) Vinyl Acetate	5.05	43	992390	11.92	ppbv	99
24) 1,1-Dichloroethane	4.99	63	848379	11.20	ppbv	100
25) Ethyl Acetate	5.65	43	2025404	10.35	ppbv	100
26) Hexane	5.66	57	936683	10.20	ppbv	99
27) Carbon Disulfide	4.53	76	1102982	12.05	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	832689	11.14	ppbv	100
29) Chloroform	5.73	83	1467928	10.27	ppbv	100
30) Cyclohexane	7.10	84	831313	10.46	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	694297	7.90	ppbv	94
32) 1,1,1-Trichloroethane	6.48	97	1426563	10.29	ppbv	99
34) 2-Butanone	5.22	43	661794	11.44	ppbv	97
35) Carbon Tetrachloride	6.99	117	1507114	9.90	ppbv	100
36) Benzene	6.86	78	2093032	10.40	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1008199	10.48	ppbv	100
38) Trichloroethene	7.80	130	805161	10.01	ppbv	99
39) 1,2-Dichloropropane	7.58	63	807969	10.43	ppbv	97
40) 1,4-Dioxane	7.80	88	207699	10.72	ppbv	91
41) Tetrahydrofuran	6.02	42	482382	10.20	ppbv	98
42) Bromodichloromethane	7.76	83	1595802	10.46	ppbv	99
43) Methyl Methacrylate	7.98	69	751234	10.87	ppbv	98

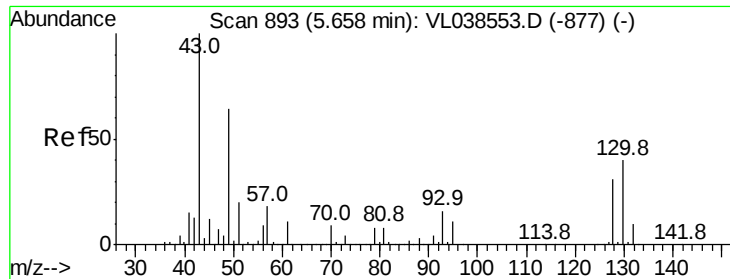
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038593.D
 Acq On : 14 Mar 2022 12:03
 Operator : SY/AP
 Sample : VL0314ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Quant Time: Mar 15 01:34:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3429378	10.07	ppbv	100
45) t-1,3-Dichloropropene	9.24	75	611197	12.27	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	795903	11.69	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	862194	10.92	ppbv	98
48) Dibromochloromethane	10.27	129	1439560	11.49	ppbv	100
49) Bromoform	13.00	173	1223282	12.75	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1272518	10.73	ppbv	99
51) 2-Hexanone	10.10	43	548586	10.95	ppbv #	99
52) Tetrachloroethene	11.19	164	754326	10.22	ppbv	97
53) Toluene	9.77	91	2371249	11.03	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1248121	11.07	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.09	131	932763	8.55	ppbv	98
57) Chlorobenzene	12.11	112	1718705	8.41	ppbv	97
58) Ethyl Benzene	12.67	91	3043839	8.78	ppbv	99
59) m/p-Xylene	12.96	91	2695053	9.08	ppbv #	37
60) o-Xylene	13.65	91	2396248	8.55	ppbv	99
61) Styrene	13.49	104	1332798	9.65	ppbv	99
62) Isopropylbenzene	14.63	105	3345794	8.65	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	1860559	7.86	ppbv	100
64) n-propylbenzene	15.52	120	909714	9.23	ppbv	97
65) tert-Butylbenzene	16.71	119	2938941	8.50	ppbv	99
66) Benzyl Chloride	16.95	91	201535	9.84	ppbv	100
67) sec-Butylbenzene	17.26	105	4205601	8.56	ppbv	100
69) p-Isopropyltoluene	17.62	119	3458553	8.50	ppbv	99
70) n-Butylbenzene	18.51	91	3558705	8.21	ppbv	100
71) 2-Chlorotoluene	15.41	91	2516304	8.77	ppbv	98
72) 4-Ethyltoluene	15.80	105	2978560	9.25	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	2587090	8.66	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2682461	8.40	ppbv	95
75) 1,3-Dichlorobenzene	16.96	146	1721845	8.55	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1669901	8.37	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1659829	8.15	ppbv	98
78) Hexachloro-1,3-Butadiene	23.34	225	1312188	6.60	ppbv	100
79) Naphthalene	22.15	128	2488669	8.67	ppbv	100
80) Naphthalene,2-methyl-	24.94	142	598652	11.81	ppbv	99
81) 1,2,4-Trichlorobenzene	21.88	180	1391315	7.58	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0314ABS01

Acq: 14 Mar 2022 12:03

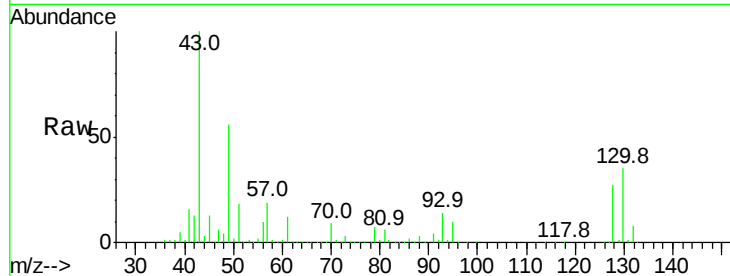
Tgt Ion: 49 Resp: 823521

Ion Ratio Lower Upper

49 100

128 53.2 26.4 79.2

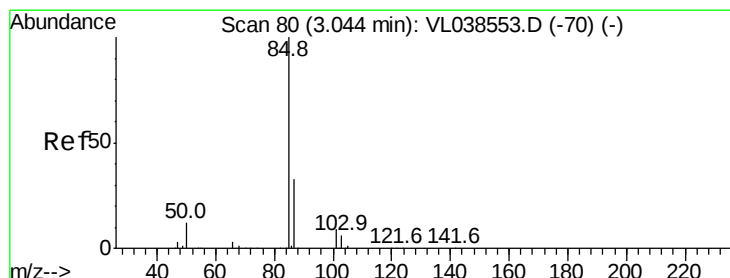
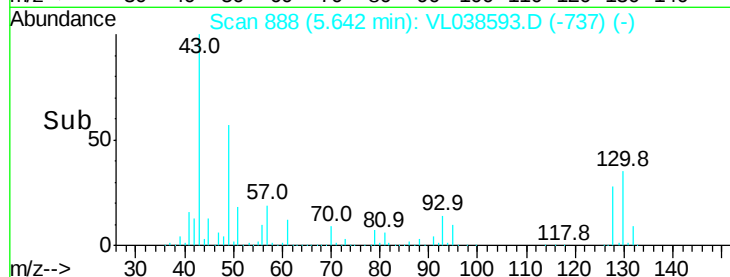
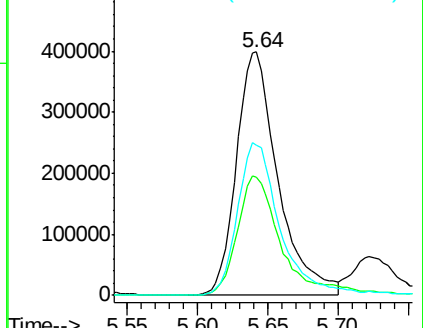
130 65.5 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.19 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL038593.D

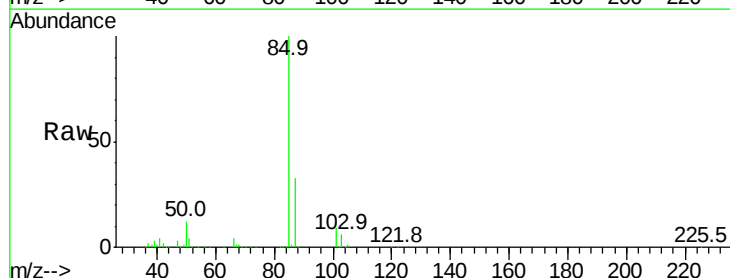
Acq: 14 Mar 2022 12:03

Tgt Ion: 85 Resp: 1266871

Ion Ratio Lower Upper

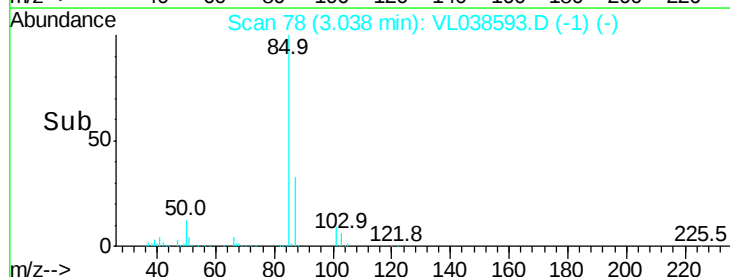
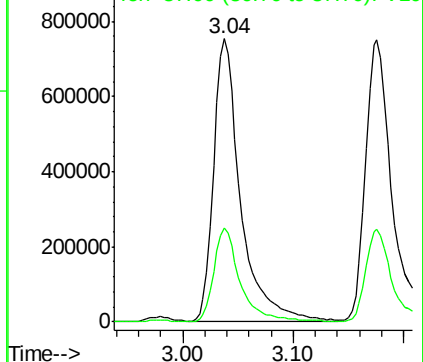
85 100

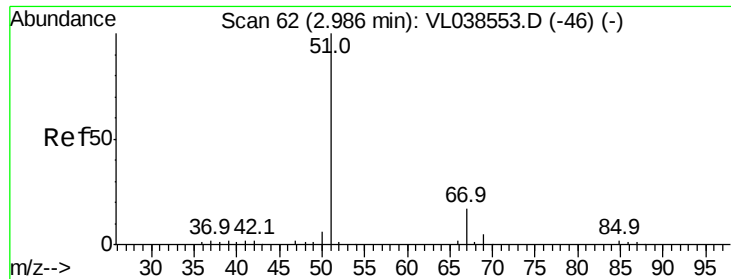
87 33.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

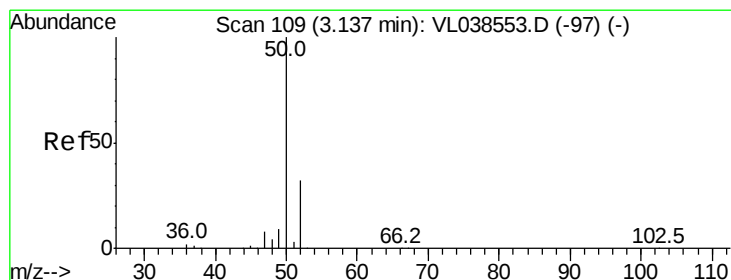
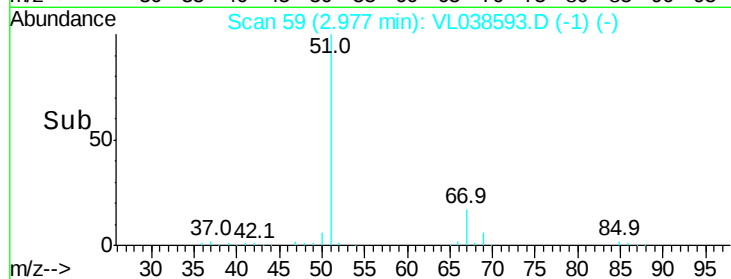
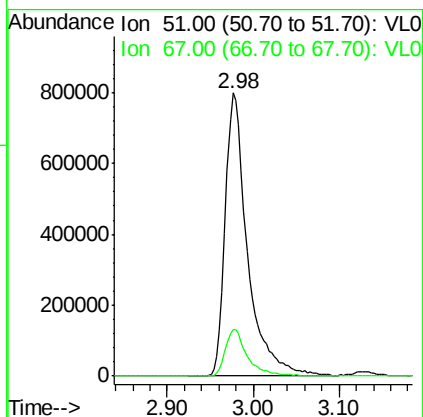
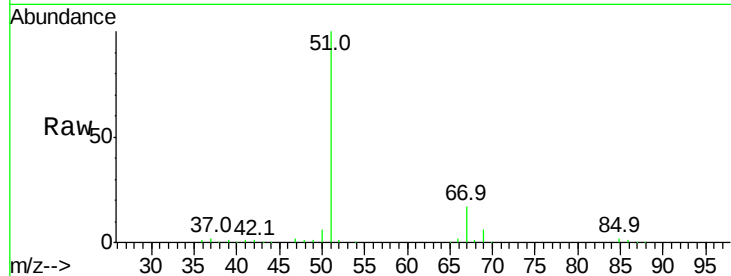
Ion 87.00 (86.70 to 87.70): VL0





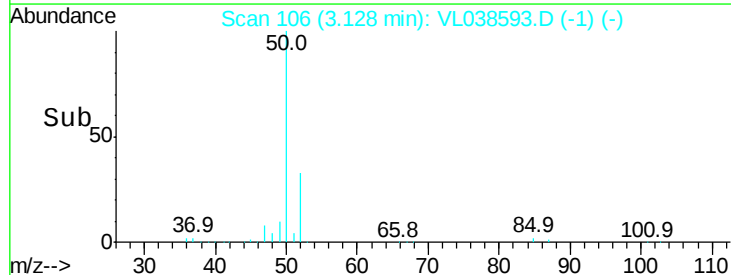
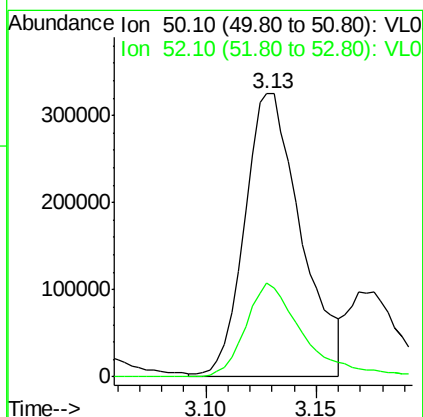
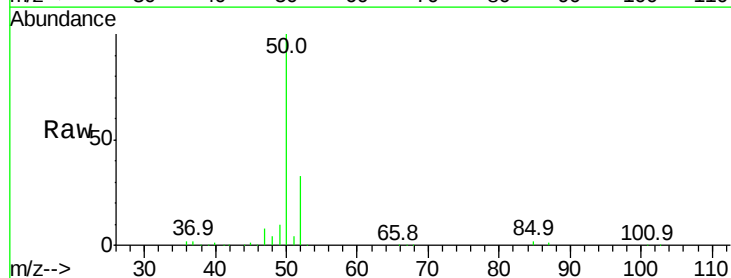
#3
 Chlorodifluoromethane
 Concen: 9.97 ppbv
 RT: 2.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0314ABS01
 Acq: 14 Mar 2022 12:03

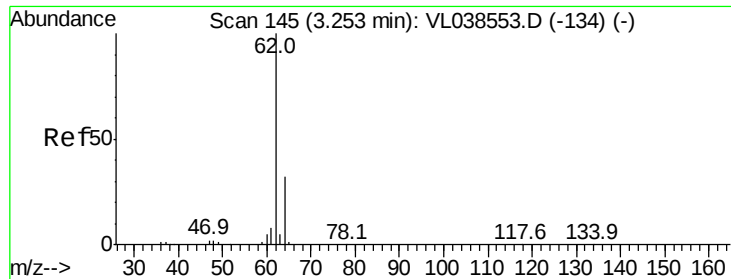
Tgt Ion: 51 Resp: 1447575
 Ion Ratio Lower Upper
 51 100
 67 16.6 13.6 20.4



#4
 Chloromethane
 Concen: 10.70 ppbv
 RT: 3.13 min Scan# 106
 Delta R.T. -0.01 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

Tgt Ion: 50 Resp: 575822
 Ion Ratio Lower Upper
 50 100
 52 33.6 25.6 38.4





#5

Vinyl Chloride

Concen: 10.16 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

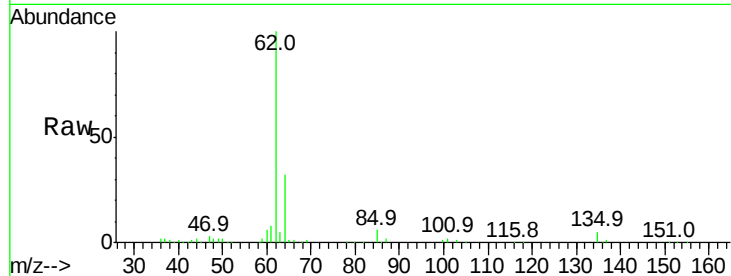
Acq: 14 Mar 2022 12:03

Tgt Ion: 62 Resp: 548830

Ion Ratio Lower Upper

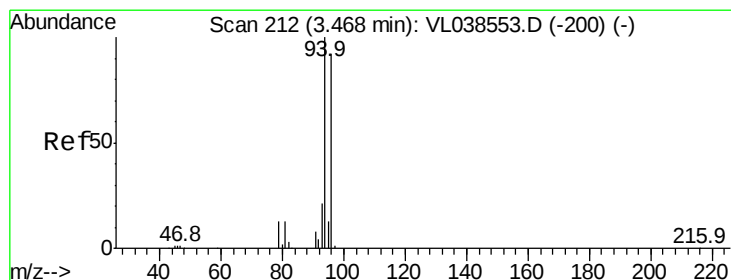
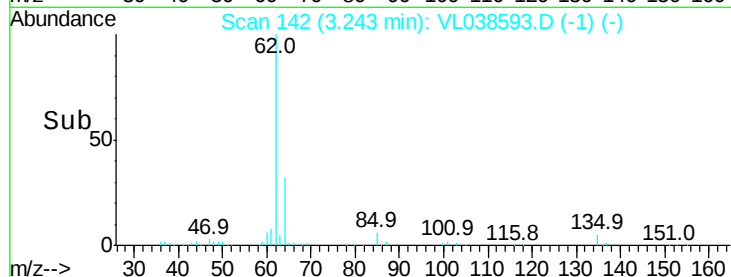
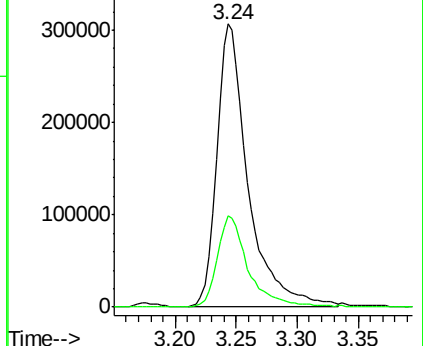
62 100

64 32.3 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.85 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL038593.D

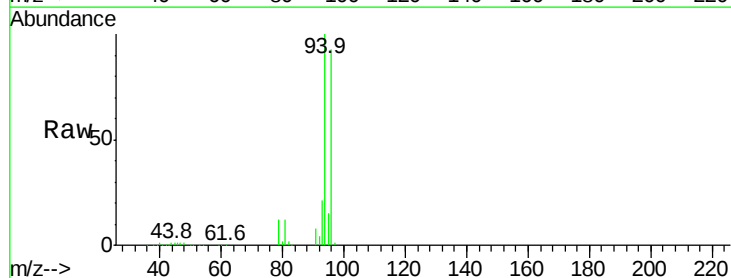
Acq: 14 Mar 2022 12:03

Tgt Ion: 94 Resp: 314636

Ion Ratio Lower Upper

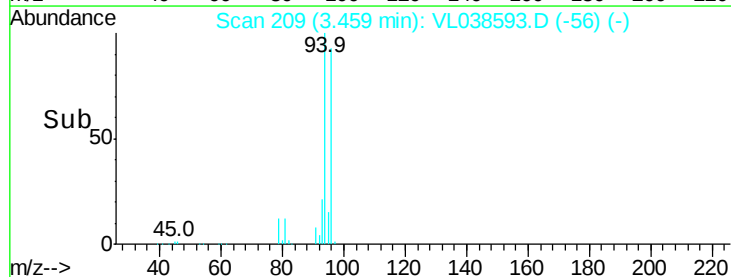
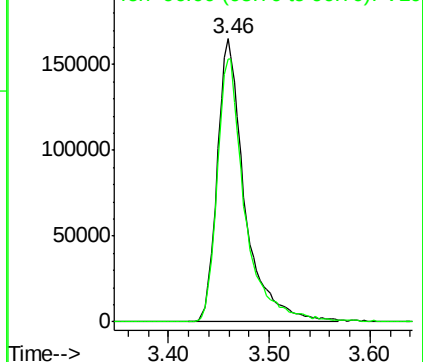
94 100

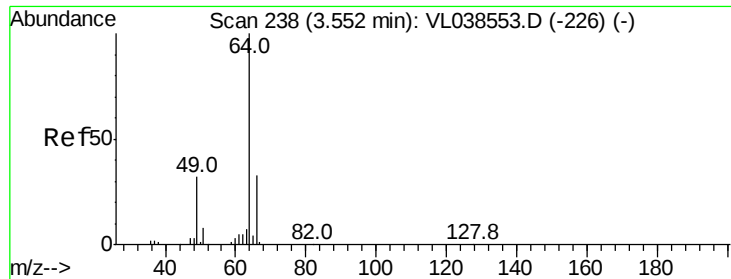
96 92.9 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.68 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

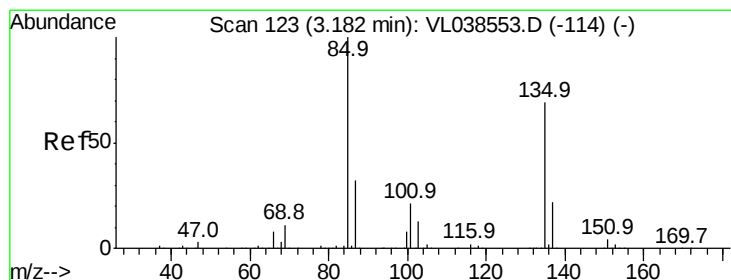
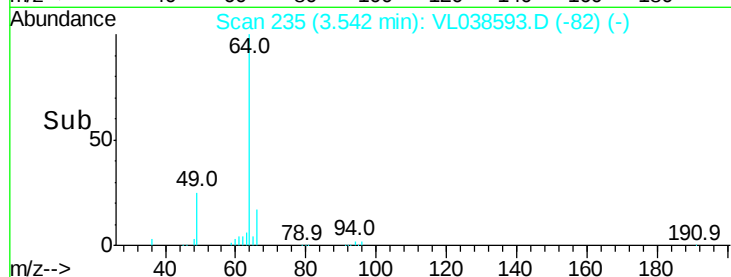
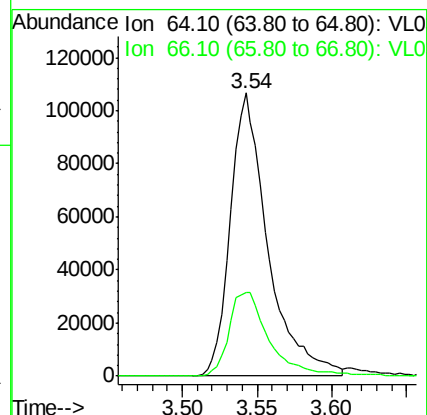
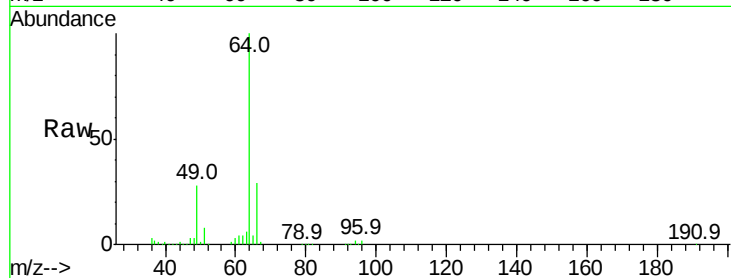
Acq: 14 Mar 2022 12:03

Tgt Ion: 64 Resp: 186903

Ion Ratio Lower Upper

64 100

66 29.5 26.6 39.8



#8

Dichlorotetrafluoroethane

Concen: 10.49 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL038593.D

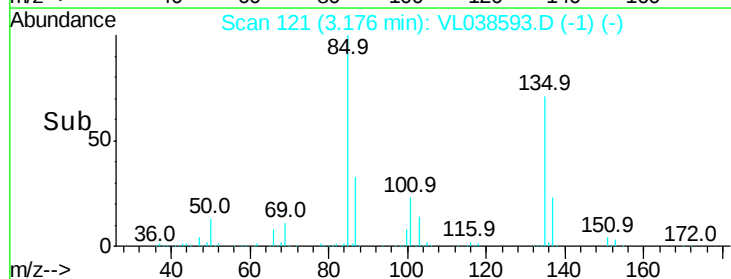
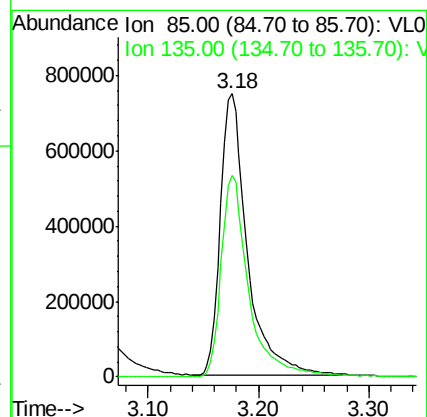
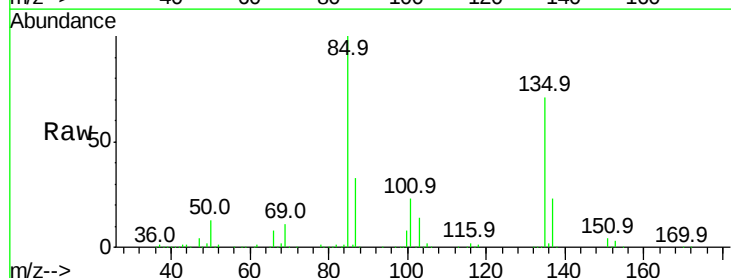
Acq: 14 Mar 2022 12:03

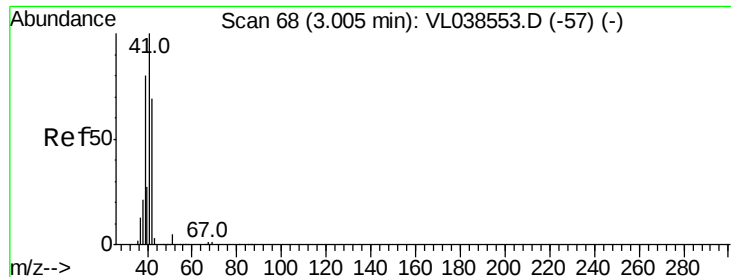
Tgt Ion: 85 Resp: 1265334

Ion Ratio Lower Upper

85 100

135 73.6 59.0 88.4





#9

Propene

Concen: 9.99 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0314ABS01

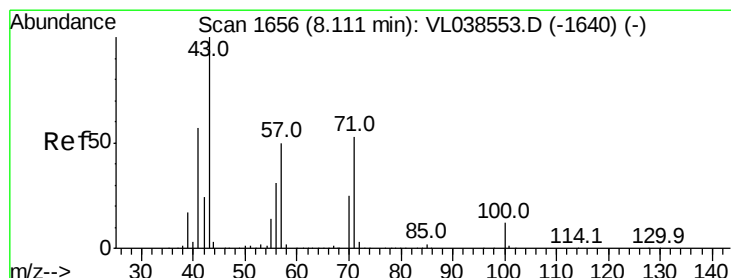
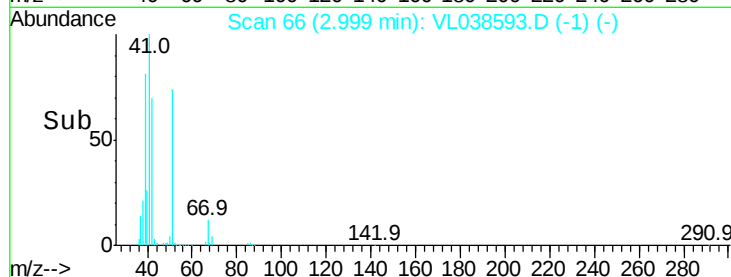
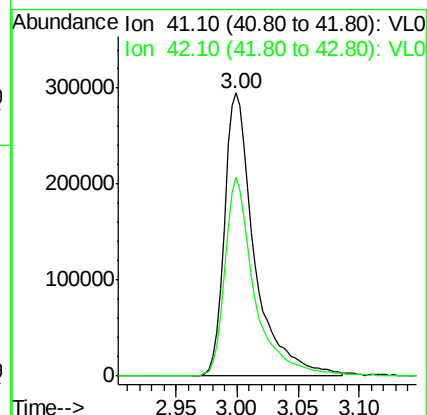
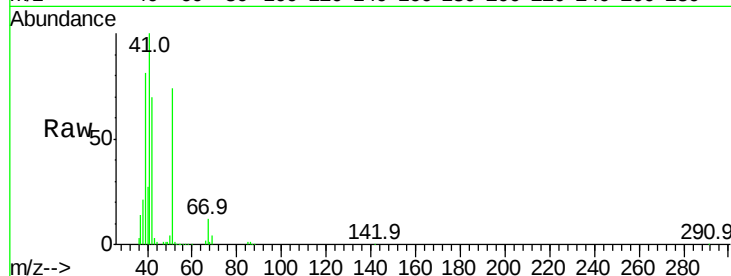
Acq: 14 Mar 2022 12:03

Tgt Ion: 41 Resp: 512082

Ion Ratio Lower Upper

41 100

42 69.6 55.7 83.5



#10

Heptane

Concen: 10.80 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.02 min

Lab File: VL038593.D

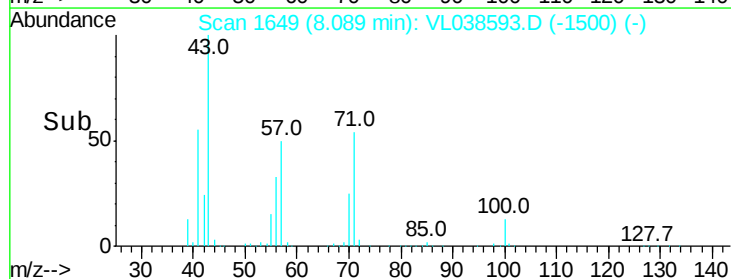
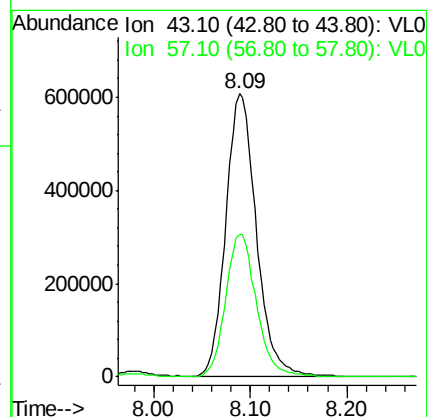
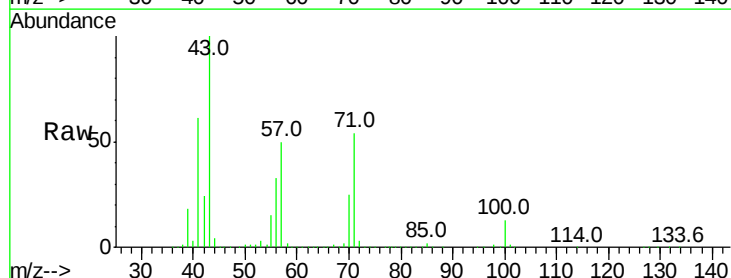
Acq: 14 Mar 2022 12:03

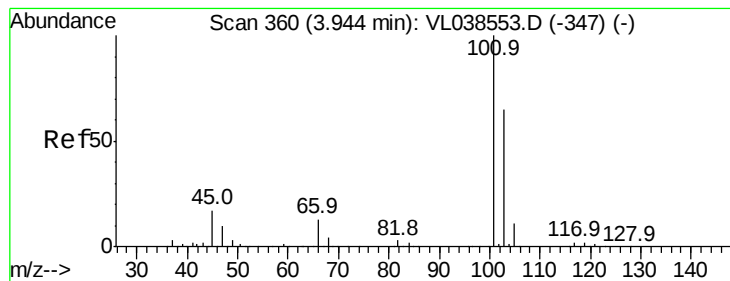
Tgt Ion: 43 Resp: 1323419

Ion Ratio Lower Upper

43 100

57 51.3 39.6 59.4





#11

Trichlorofluoromethane

Concen: 10.84 ppbv

RT: 3.93 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

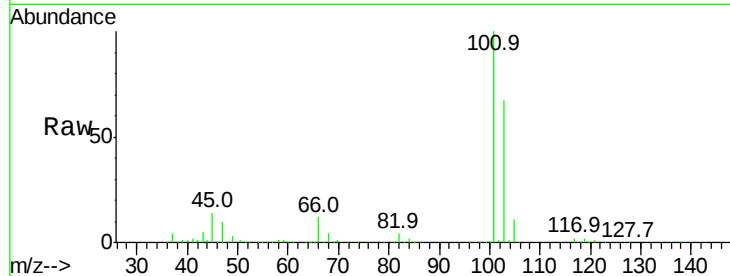
Acq: 14 Mar 2022 12:03 VL0314ABS01

Tgt Ion:101 Resp: 1182619

Ion Ratio Lower Upper

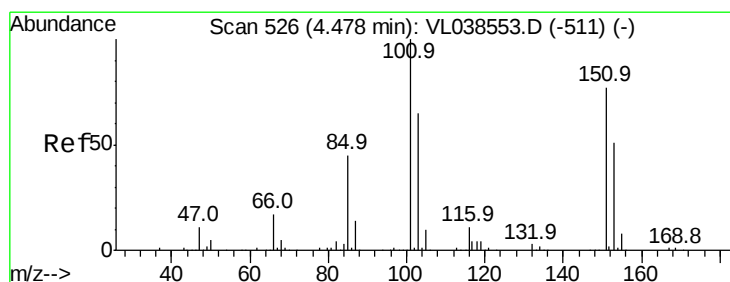
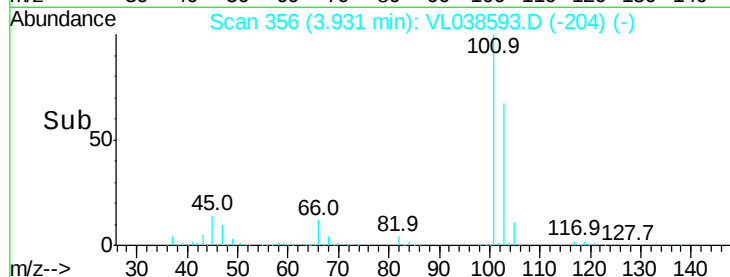
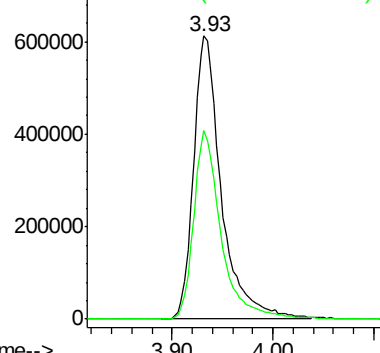
101 100

103 66.5 52.0 78.0



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: 11.10 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.01 min

Lab File: VL038593.D

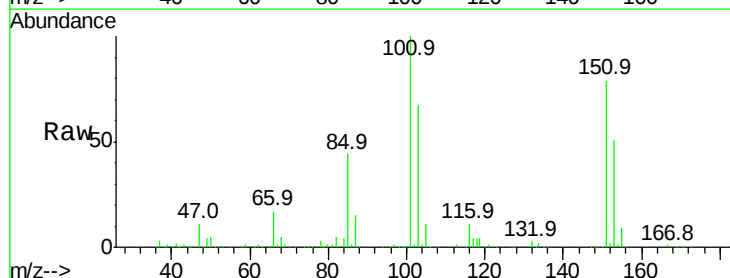
Acq: 14 Mar 2022 12:03

Tgt Ion:101 Resp: 940829

Ion Ratio Lower Upper

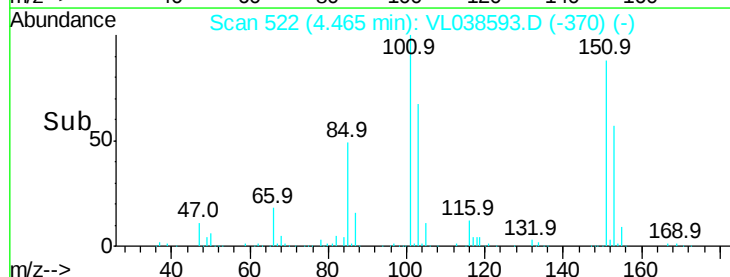
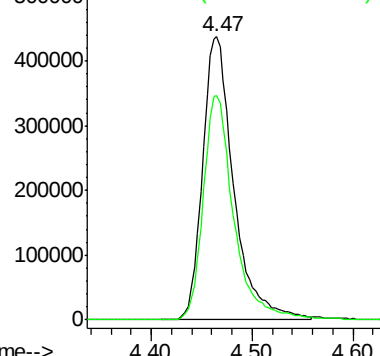
101 100

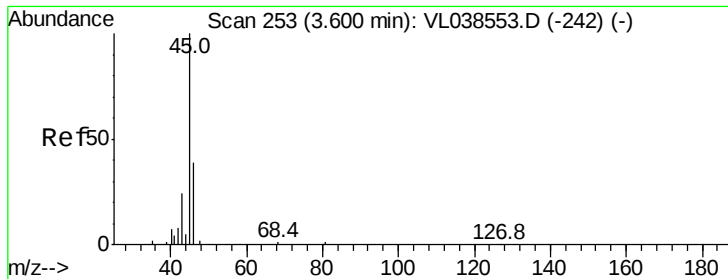
151 78.3 63.4 95.0



Abundance Ion 101.00 (100.70 to 101.70): V

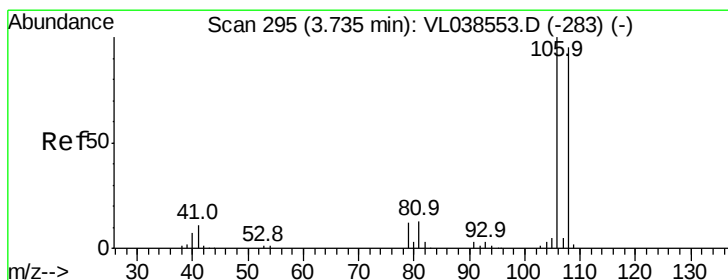
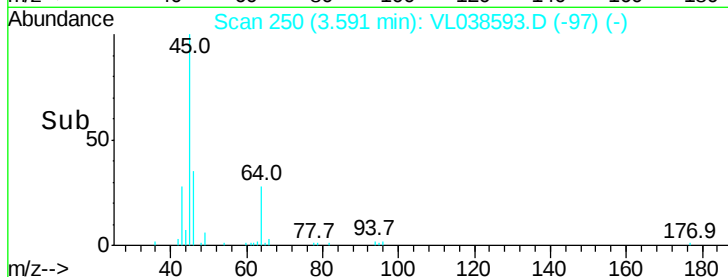
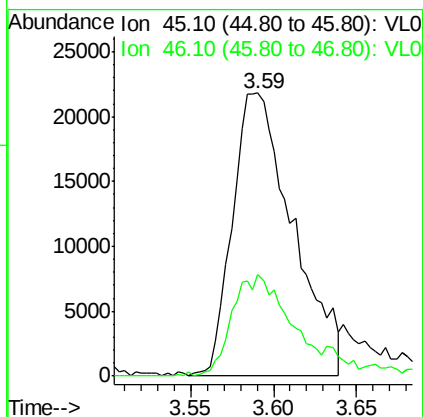
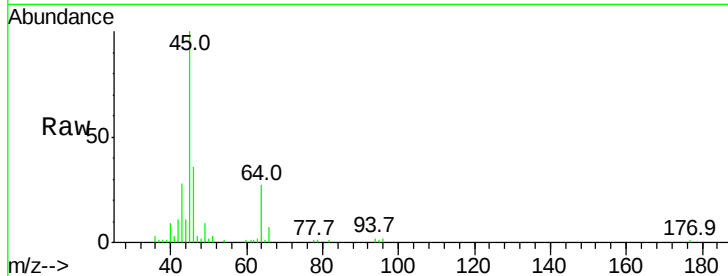
Ion 151.00 (150.70 to 151.70): V





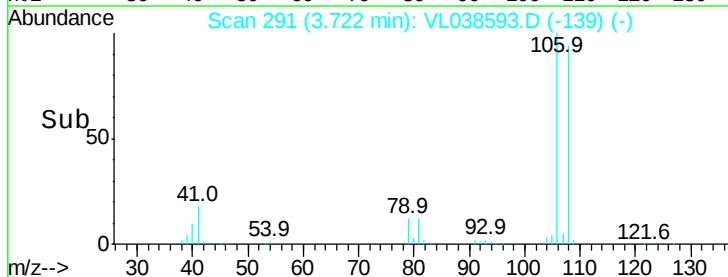
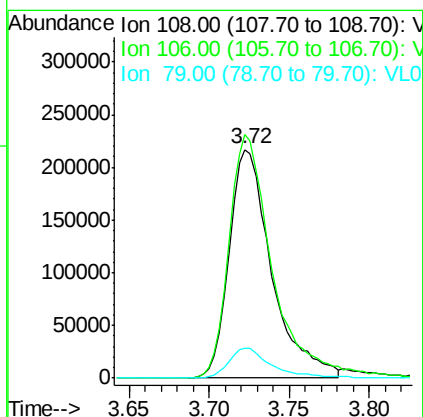
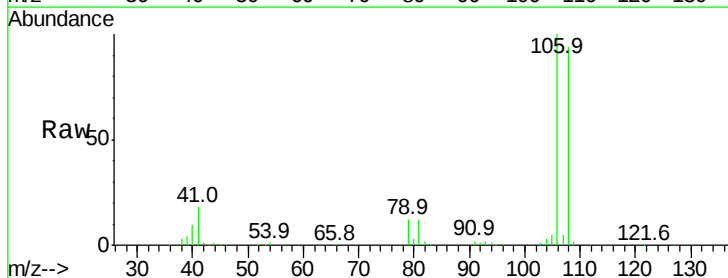
#13
Ethanol
Concen: 9.39 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0314ABS01
Acq: 14 Mar 2022 12:03

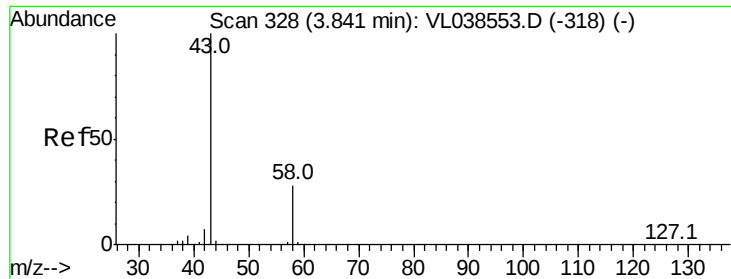
Tgt Ion: 45 Resp: 55285
Ion Ratio Lower Upper
45 100
46 40.9 16.8 67.0



#14
Bromoethene
Concen: 10.91 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.01 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

Tgt Ion: 108 Resp: 394152
Ion Ratio Lower Upper
108 100
106 110.3 85.9 128.9
79 13.7 11.0 16.6





#15

Acetone

Concen: 11.85 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

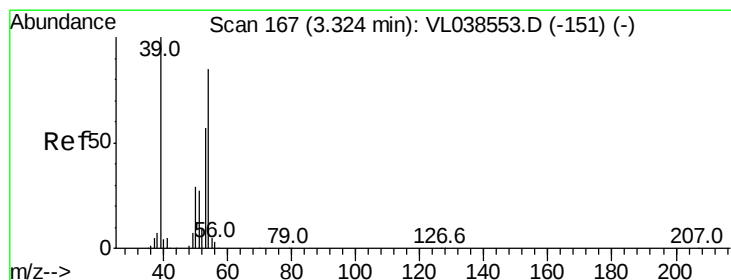
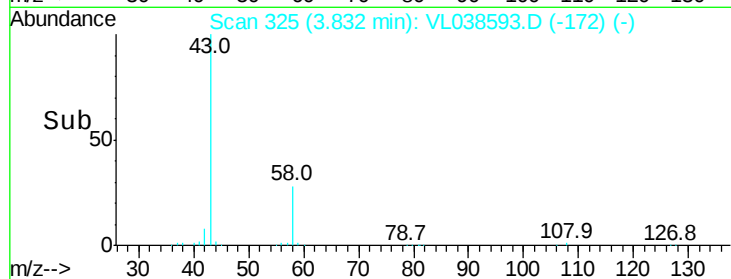
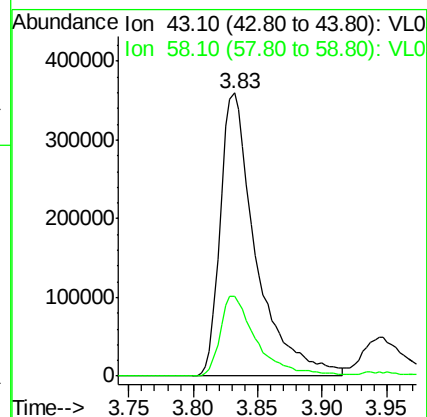
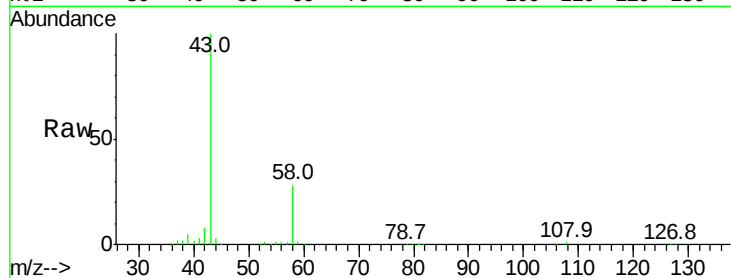
Acq: 14 Mar 2022 12:03

Tgt Ion: 43 Resp: 688512

Ion Ratio Lower Upper

43 100

58 29.1 22.7 34.1



#16

1,3-Butadiene

Concen: 10.69 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL038593.D

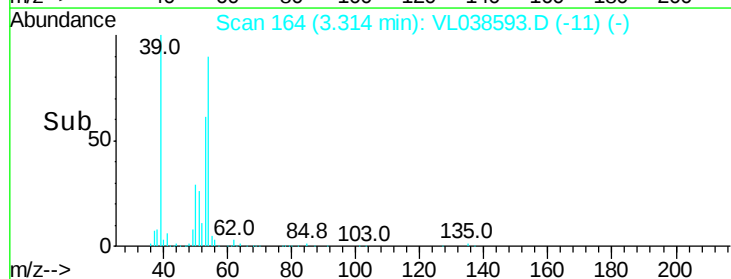
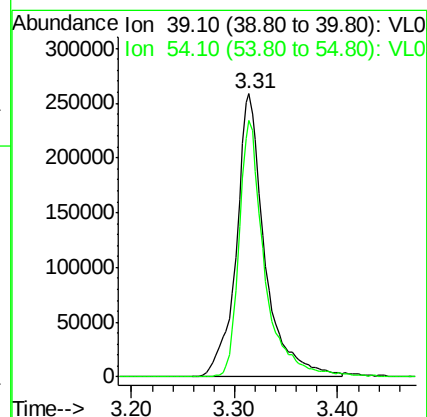
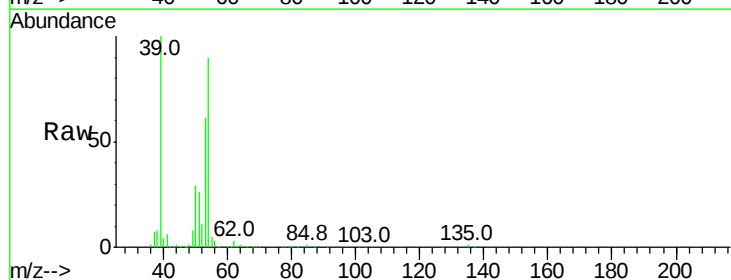
Acq: 14 Mar 2022 12:03

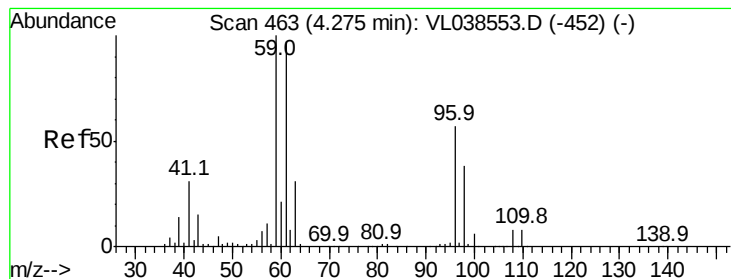
Tgt Ion: 39 Resp: 499083

Ion Ratio Lower Upper

39 100

54 81.7 64.2 96.2





#17

tert-Butyl alcohol

Concen: 11.23 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

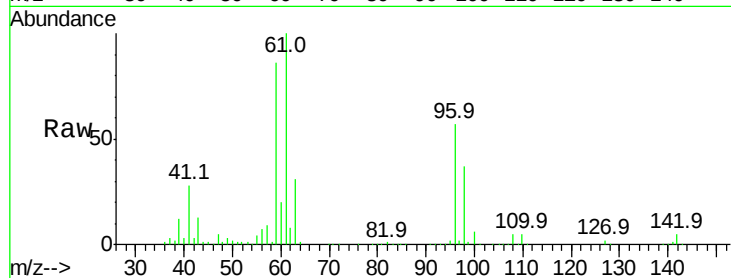
Acq: 14 Mar 2022 12:03

Tgt Ion: 59 Resp: 708519

Ion Ratio Lower Upper

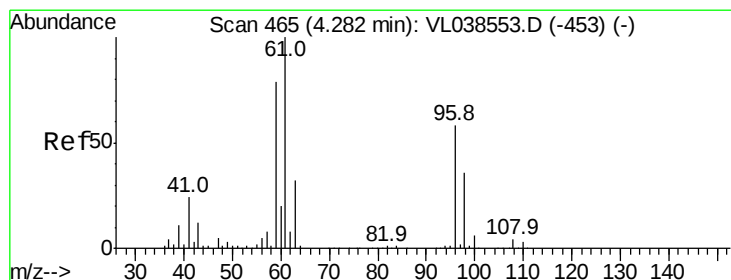
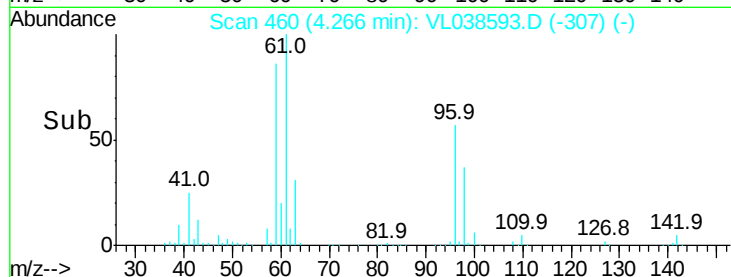
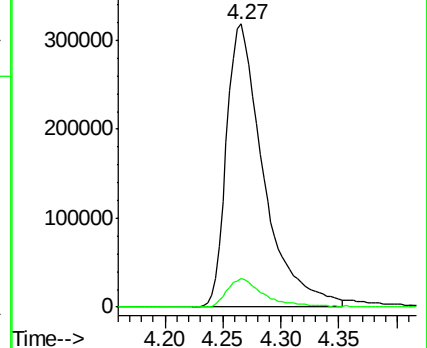
59 100

57 10.3 8.1 12.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 11.29 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.01 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

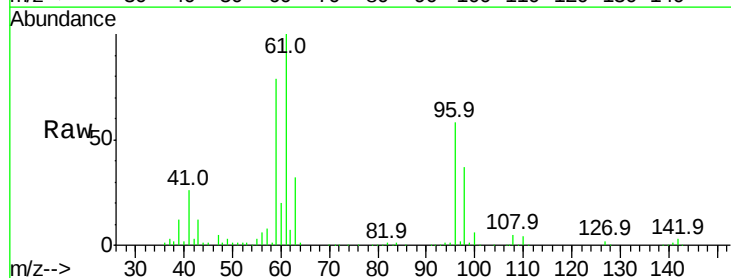
Tgt Ion: 96 Resp: 428418

Ion Ratio Lower Upper

96 100

61 171.1 137.4 206.0

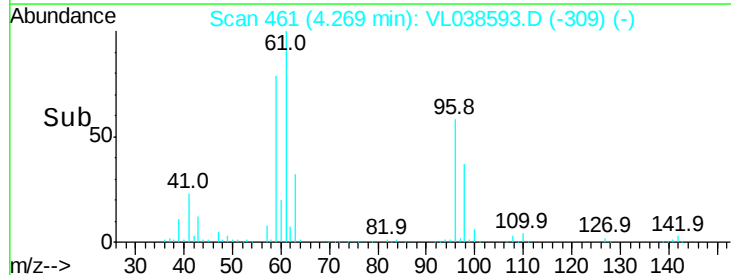
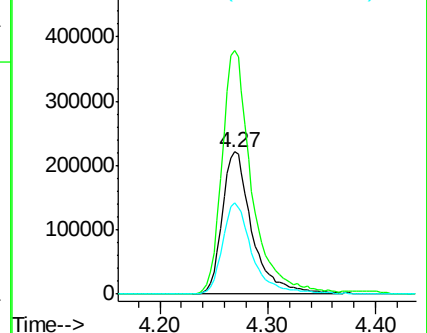
98 63.8 49.3 73.9

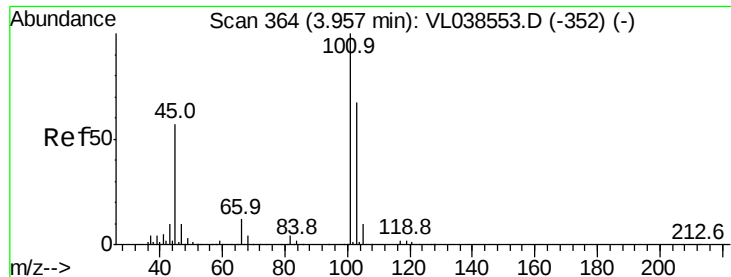


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.31 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

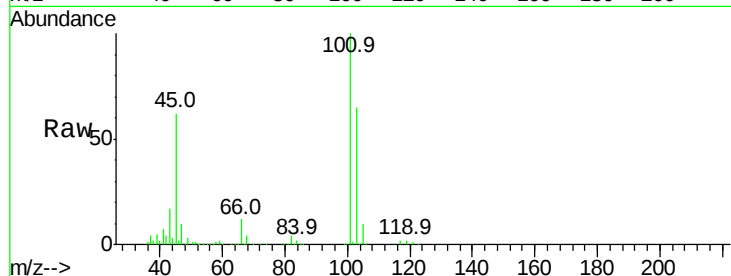
Acq: 14 Mar 2022 12:03

Tgt Ion: 45 Resp: 399982

Ion Ratio Lower Upper

45 100

58 3.7 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

200000

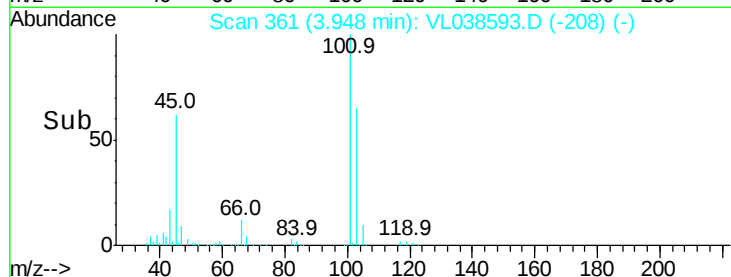
150000

100000

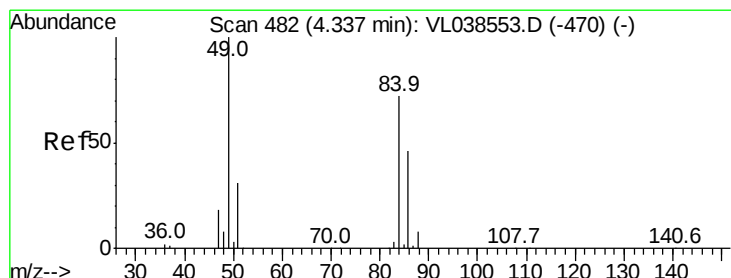
50000

0

Time-->



Time-->



#20

Methylene Chloride

Concen: 9.88 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.01 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

Tgt Ion: 84 Resp: 345338

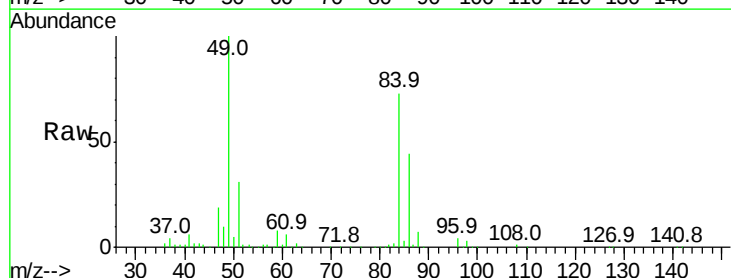
Ion Ratio Lower Upper

84 100

49 136.3 111.1 166.7

51 42.0 34.0 51.0

86 61.3 50.9 76.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

400000

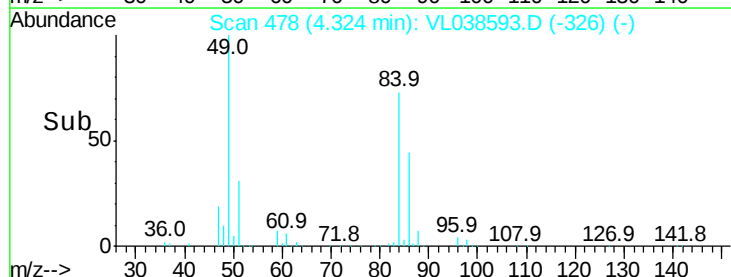
300000

200000

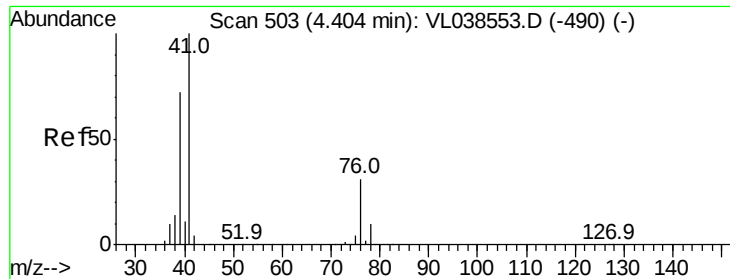
100000

0

Time-->

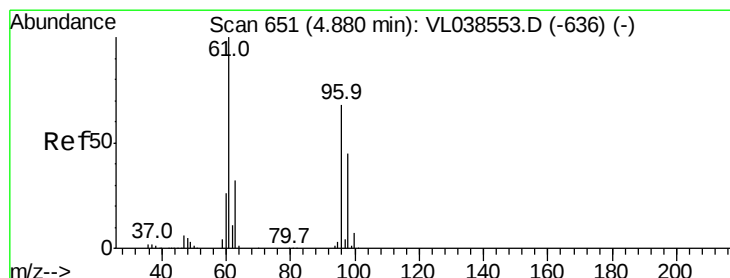
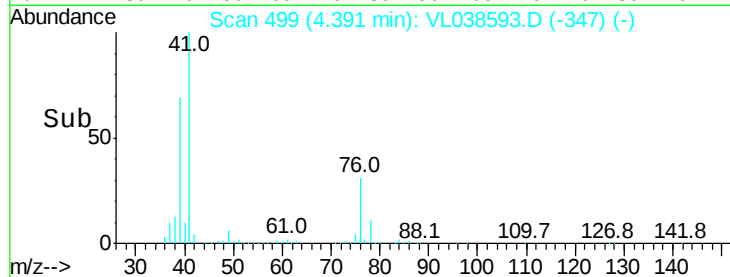
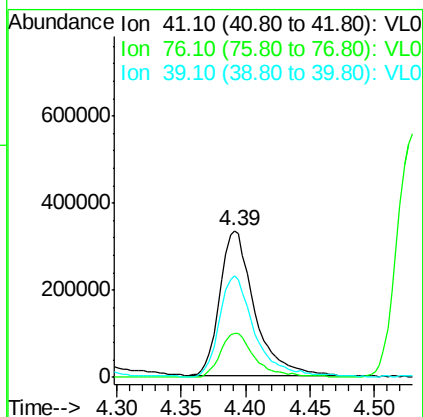
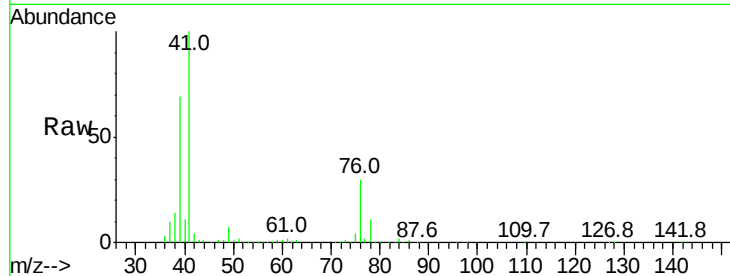


Time-->



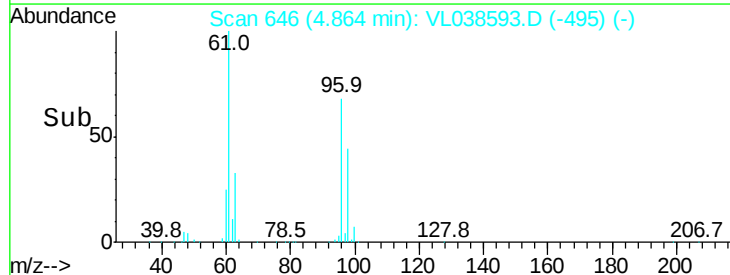
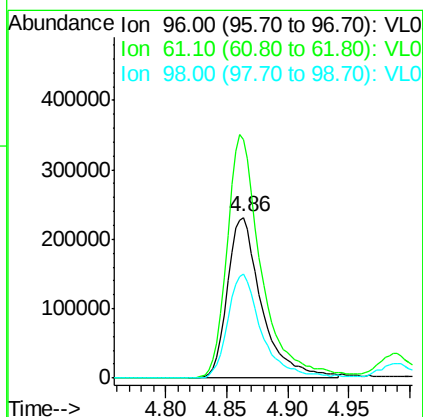
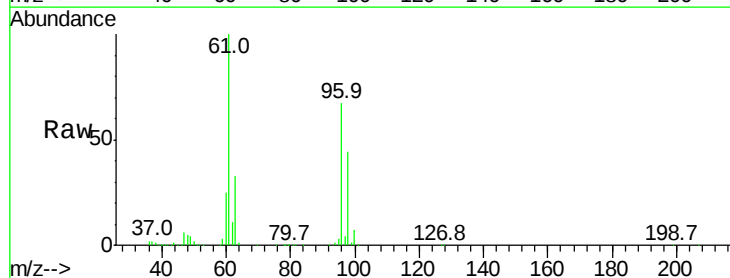
#21
 Allyl Chloride
 Concen: 11.09 ppbv
 RT: 4.39
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

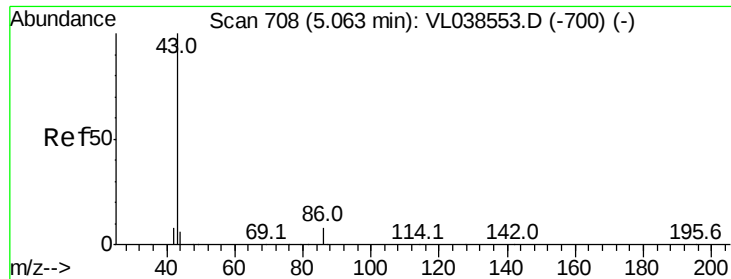
Tgt Ion: 41 Resp: 620630
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.3 36.5
 39 71.1 57.1 85.7



#22
 trans-1,2-Dichloroethene
 Concen: 11.46 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

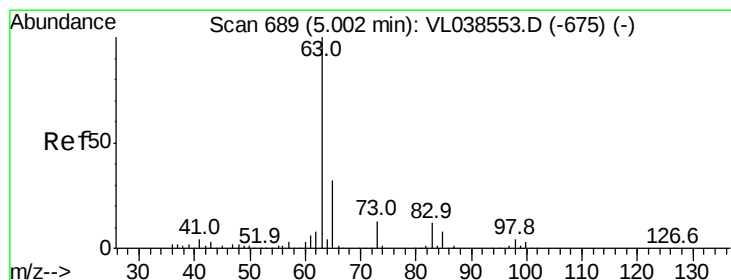
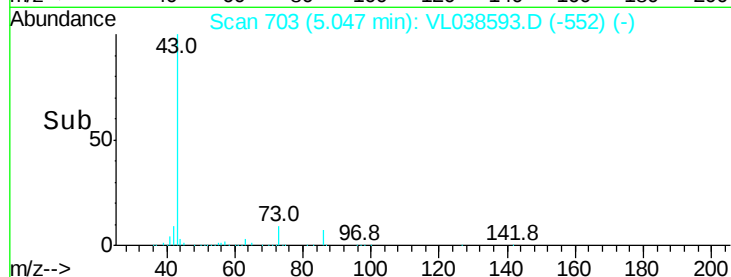
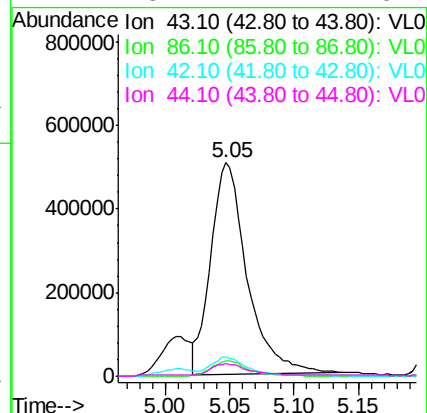
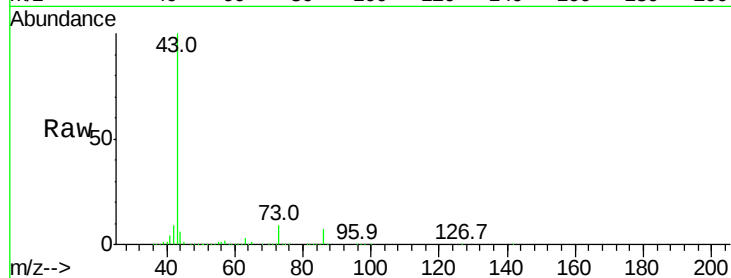
Tgt Ion: 96 Resp: 455969
 Ion Ratio Lower Upper
 96 100
 61 148.6 117.6 176.4
 98 65.2 52.6 78.8





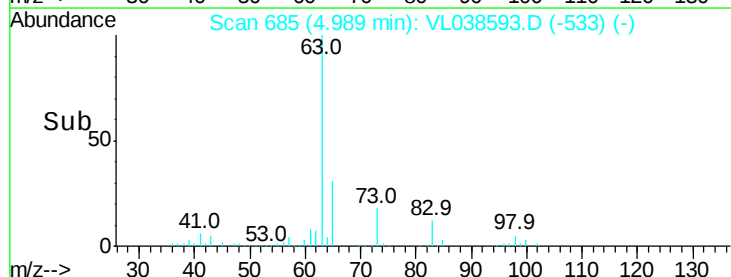
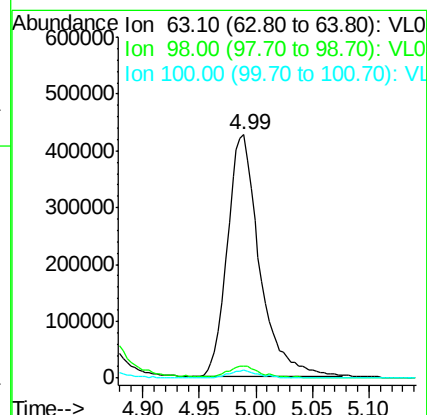
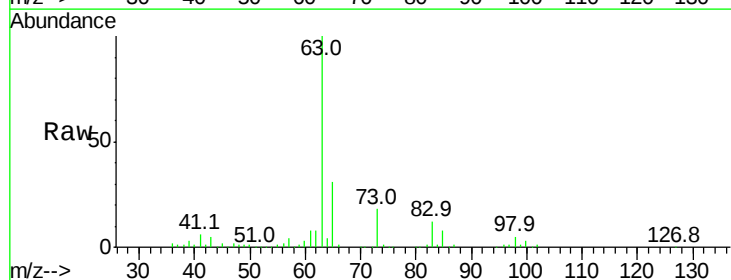
#23
 Vinyl Acetate
 Concen: 11.92 ppbv
 RT: 5.05
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VL0314ABS01
 Acq: 14 Mar 2022 12:03

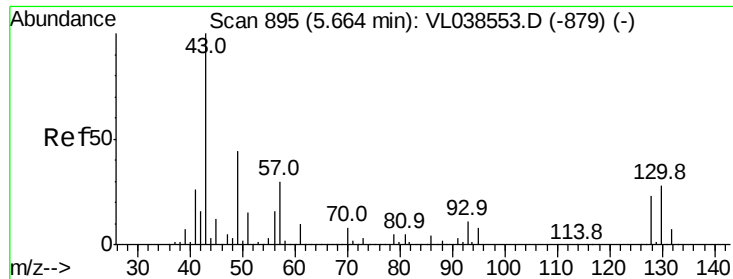
Tgt Ion:	43	Resp:	992390
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.6	8.4
42	9.0	7.1	10.7
44	5.7	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 11.20 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T.: -0.01 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

Tgt Ion:	63	Resp:	848379
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.2	6.6
100	3.1	1.5	4.5

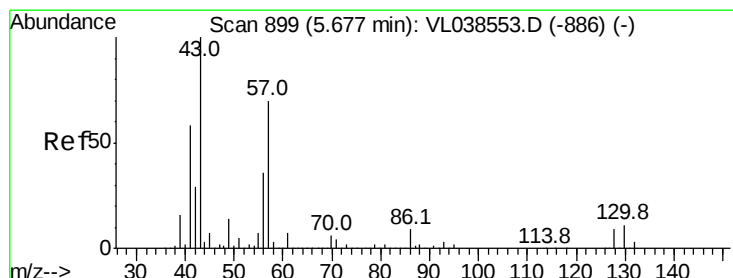
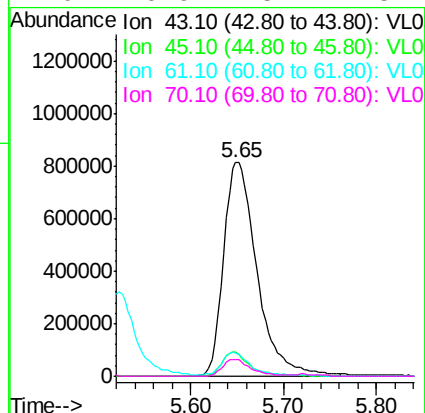
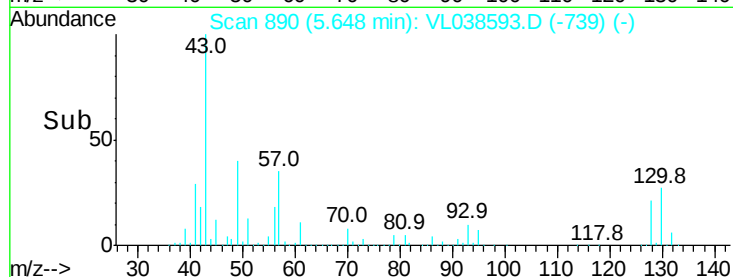
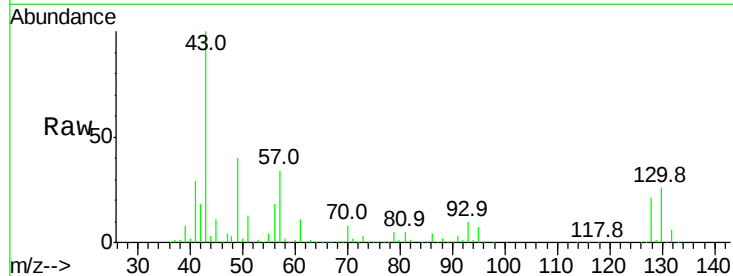




#25
Ethyl Acetate
Concen: 10.35 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0314ABS01
Acq: 14 Mar 2022 12:03

Tgt Ion: 43 Resp: 2025404

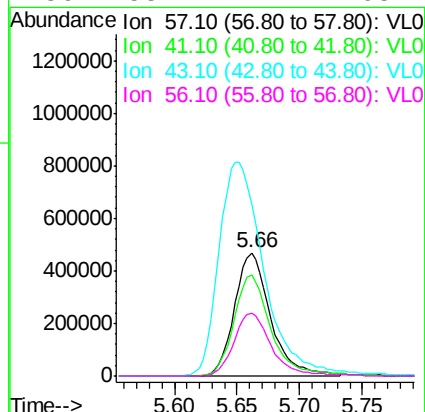
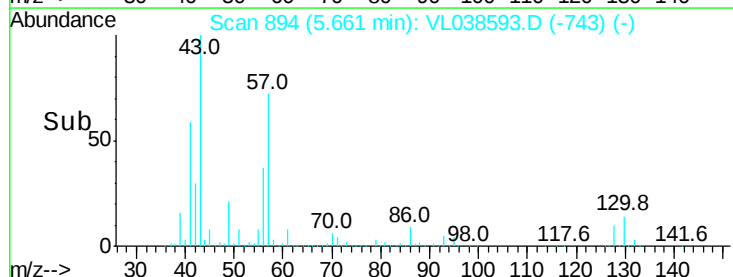
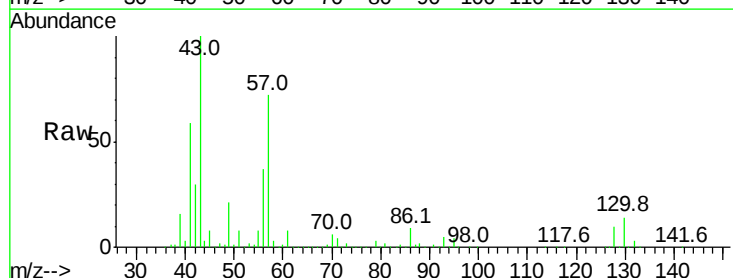
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	10.4	8.2	12.4
70	6.9	5.4	8.2

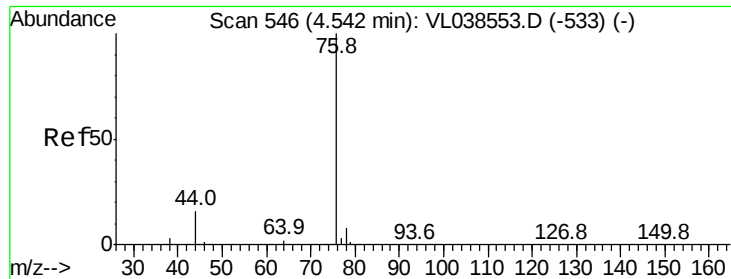


#26
Hexane
Concen: 10.20 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

Tgt Ion: 57 Resp: 936683

Ion	Ratio	Lower	Upper
57	100		
41	84.8	67.8	101.6
43	218.0	173.6	260.4
56	53.7	42.2	63.2





#27

Carbon Disulfide

Concen: 12.05 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 12:03 VL0314ABS01

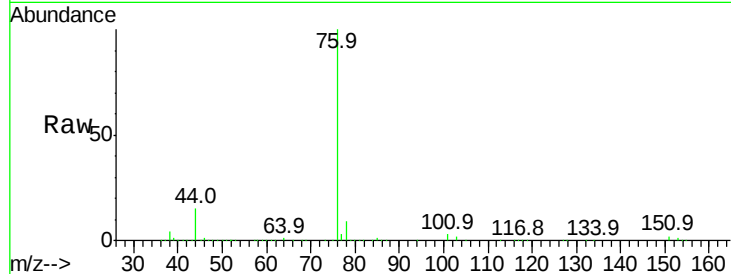
Tgt Ion: 76 Resp: 1102982

Ion Ratio Lower Upper

76 100

44 15.1 12.9 19.3

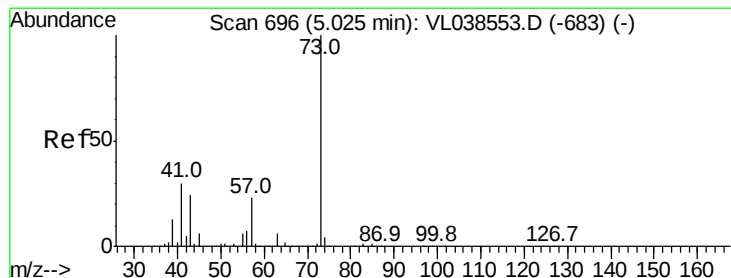
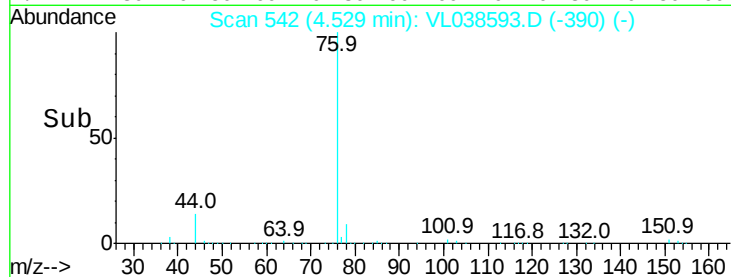
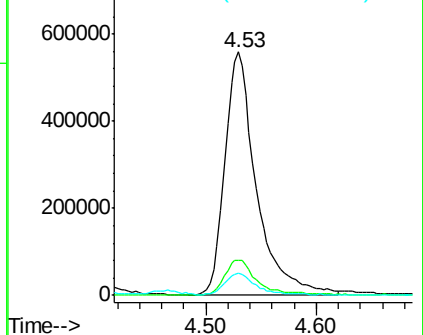
78 9.6 7.8 11.6



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: 11.14 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.02 min

Lab File: VL038593.D

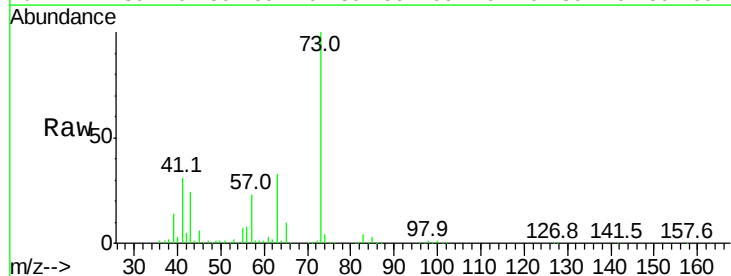
Acq: 14 Mar 2022 12:03

Tgt Ion: 73 Resp: 832689

Ion Ratio Lower Upper

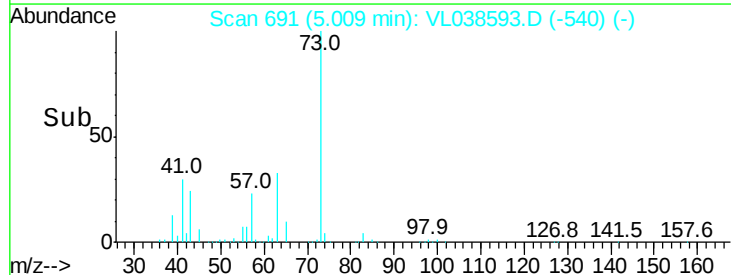
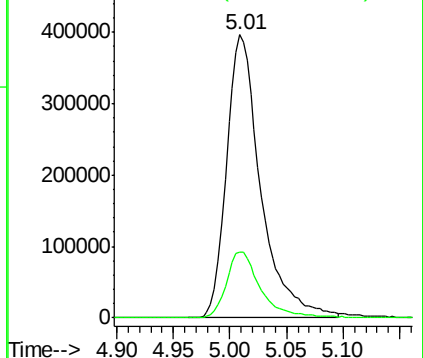
73 100

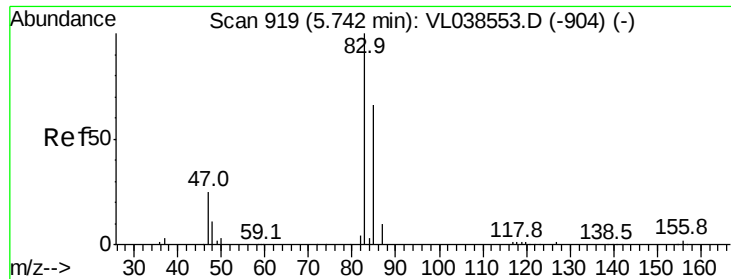
57 23.7 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

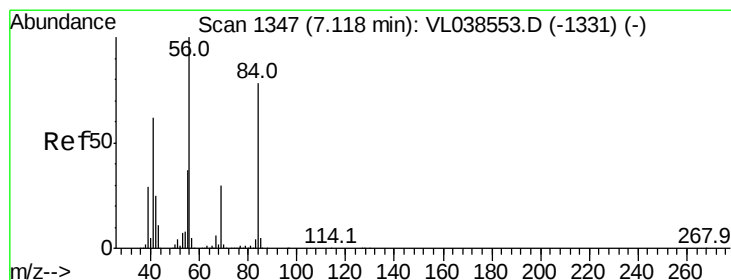
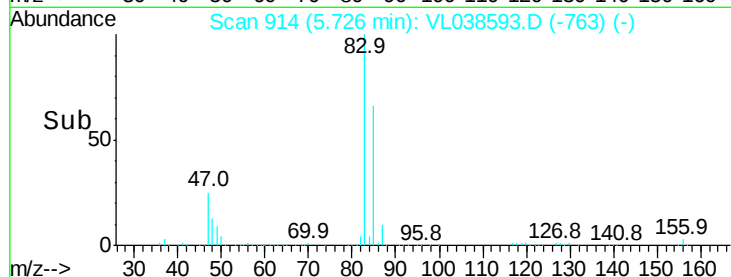
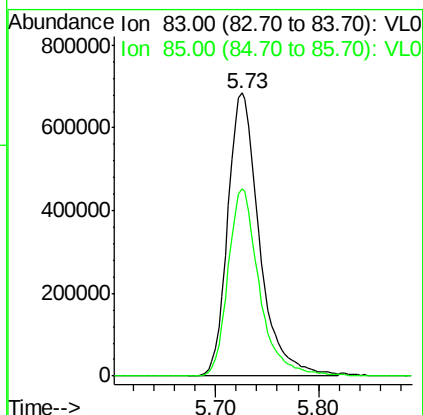
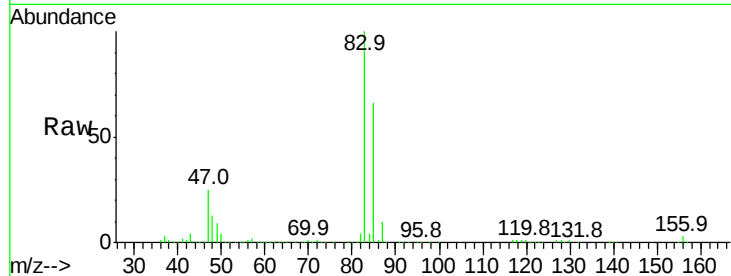
Ion 57.10 (56.80 to 57.80): VL0





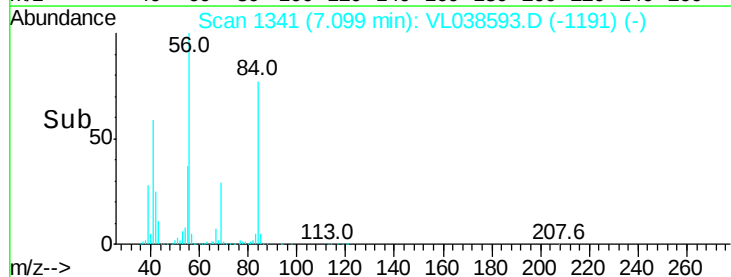
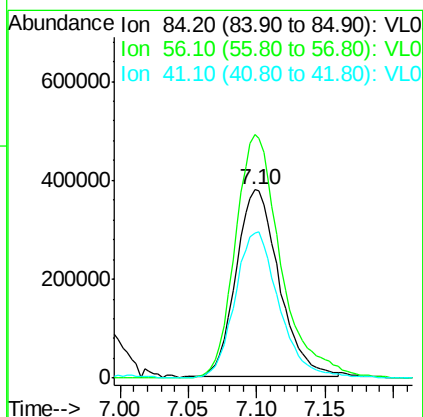
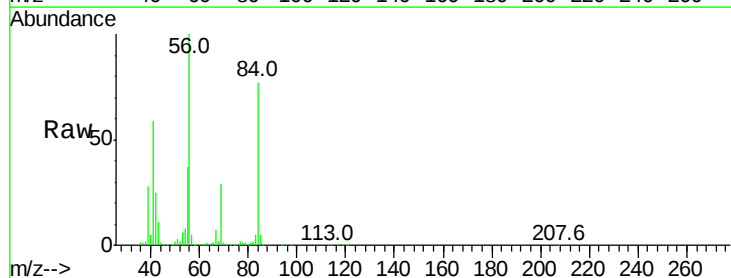
#29
Chloroform
Concen: 10.27 ppbv
RT: 5.73
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0314ABS01
Acq: 14 Mar 2022 12:03

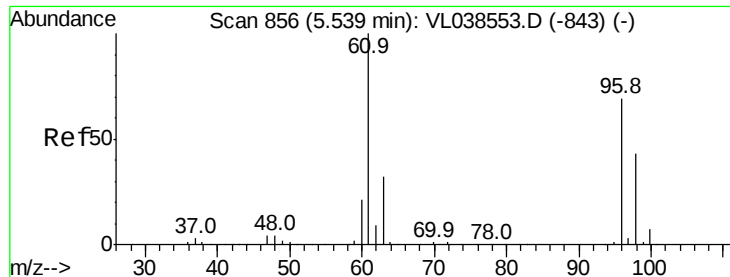
Tgt Ion: 83 Resp: 1467928
Ion Ratio Lower Upper
83 100
85 65.8 52.8 79.2



#30
Cyclohexane
Concen: 10.46 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.02 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

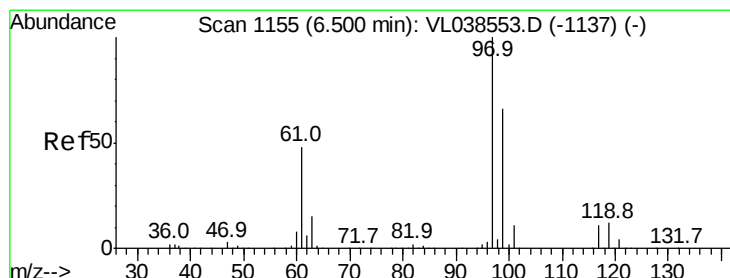
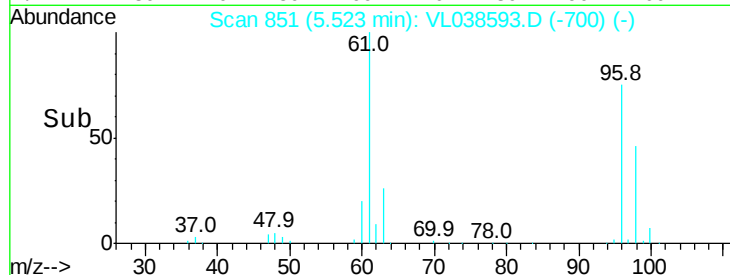
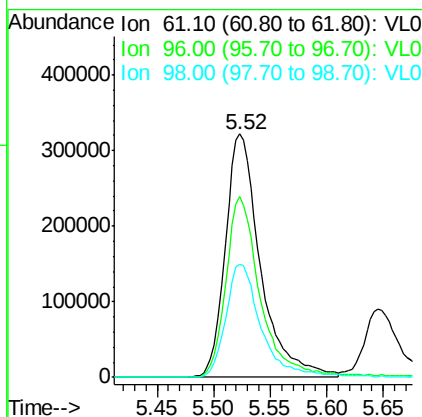
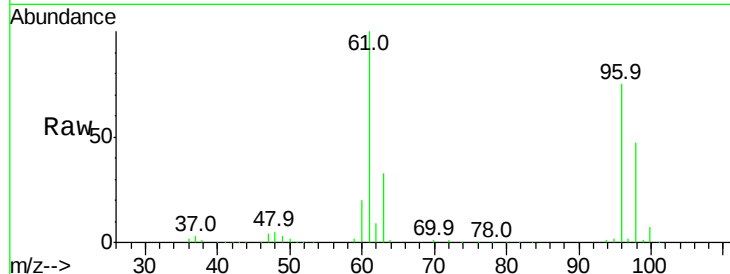
Tgt Ion: 84 Resp: 831313
Ion Ratio Lower Upper
84 100
56 138.2 111.4 167.0
41 80.0 65.5 98.3





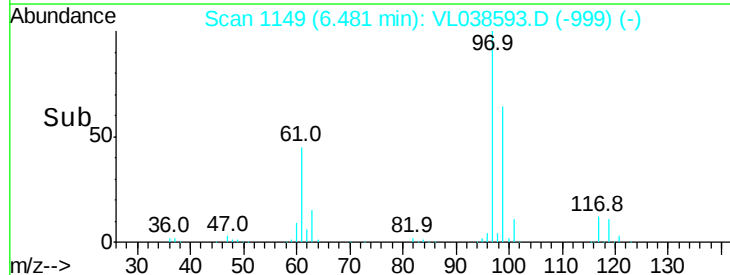
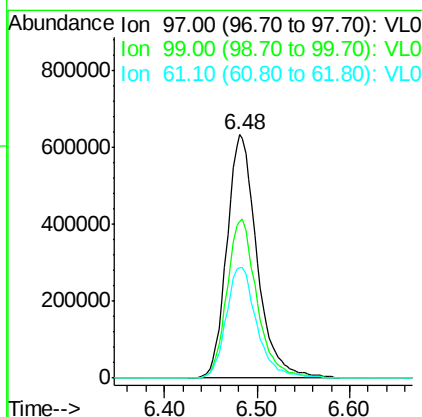
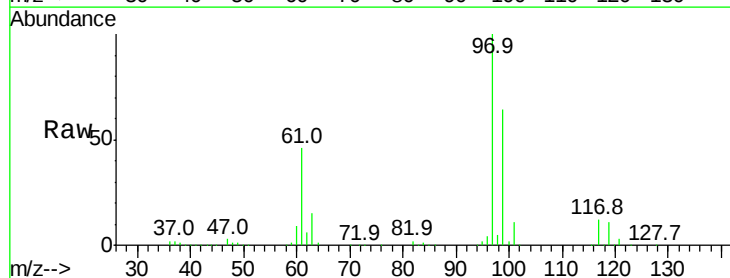
#31
 cis-1,2-Dichloroethene
 Concen: 7.90 ppbv
 RT: 5.52
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0314ABS01
 Acq: 14 Mar 2022 12:03

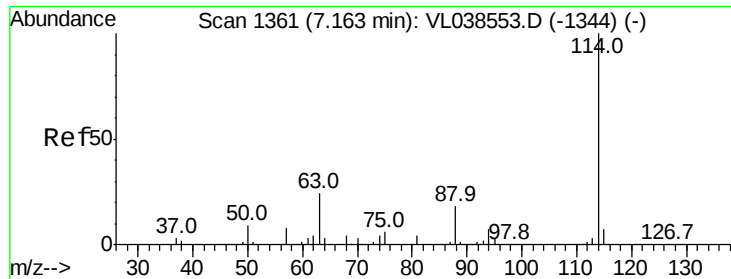
Tgt Ion: 61 Resp: 694297
 Ion Ratio Lower Upper
 61 100
 96 74.5 55.2 82.8
 98 46.5 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 10.29 ppbv
 RT: 6.48 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

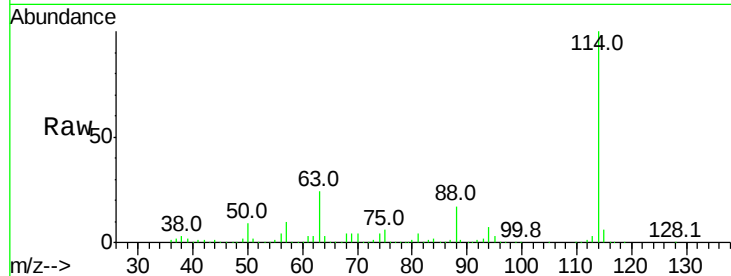
Tgt Ion: 97 Resp: 1426563
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.1 78.1
 61 46.3 37.7 56.5



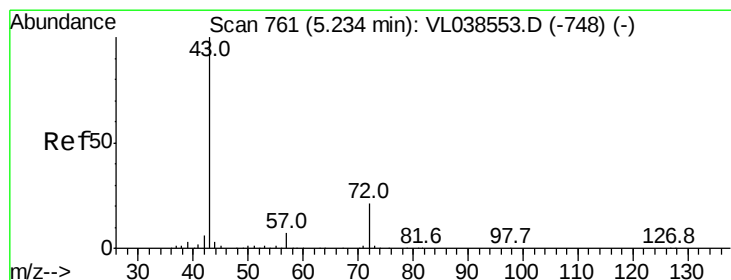
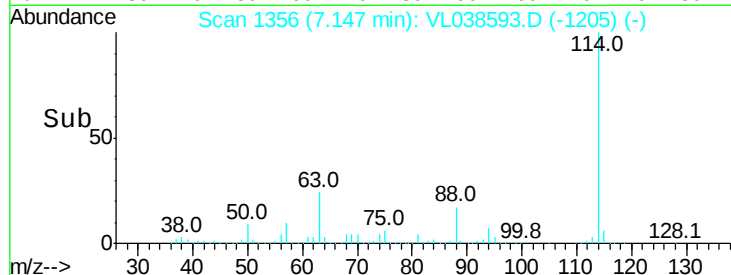
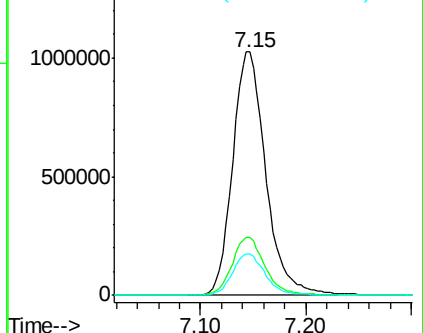


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

Tgt Ion: 114 Resp: 2231279
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.2 13.9 20.9

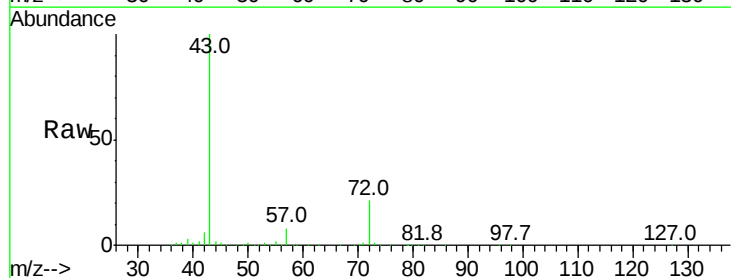


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

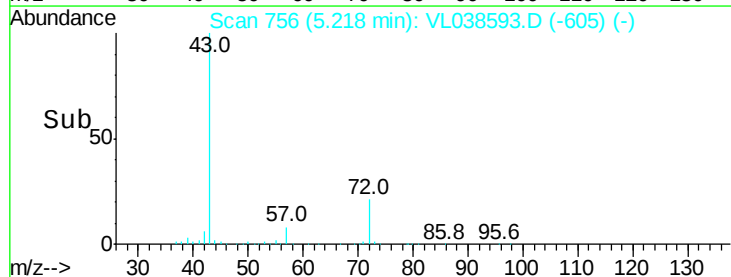
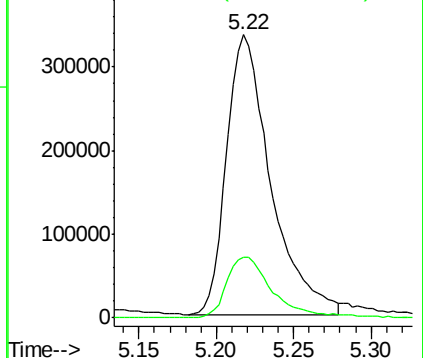


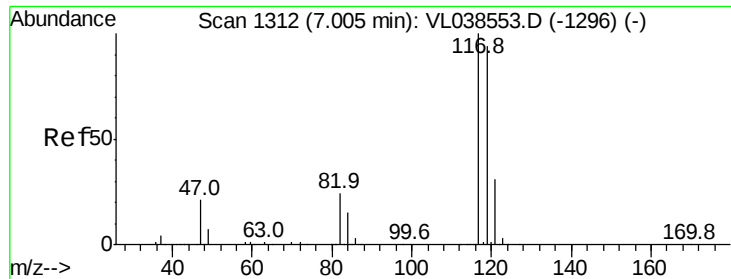
#34
 2-Butanone
 Concen: 11.44 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T.: -0.02 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

Tgt Ion: 43 Resp: 661794
 Ion Ratio Lower Upper
 43 100
 72 23.4 17.8 26.6



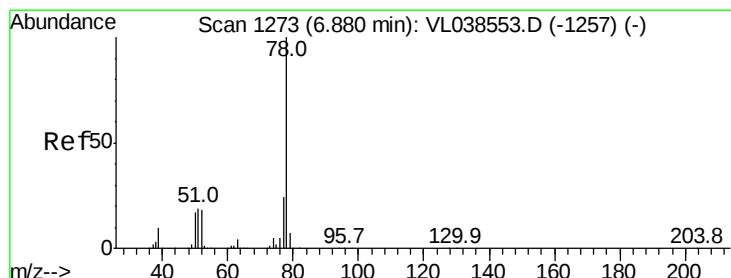
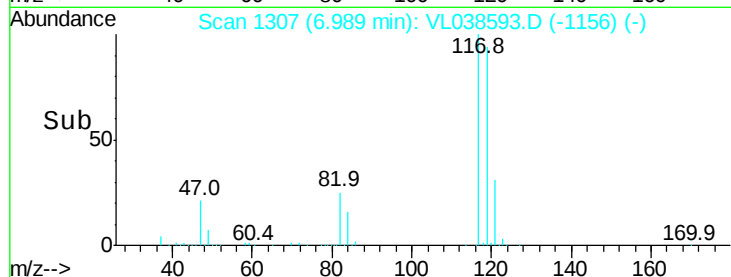
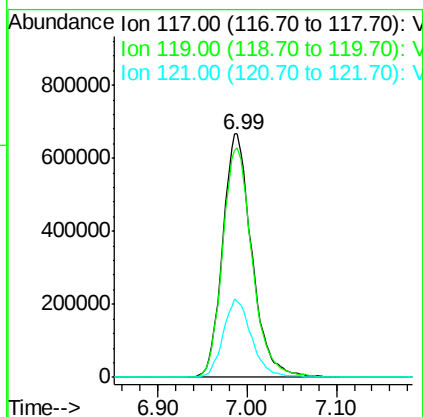
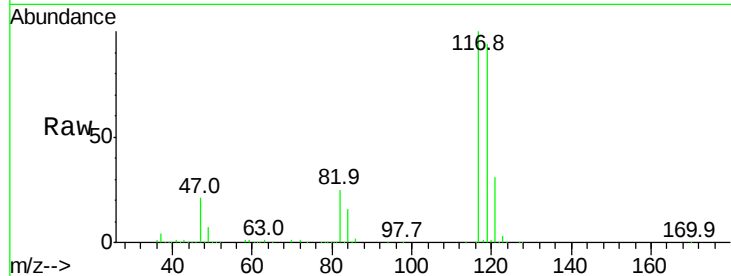
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





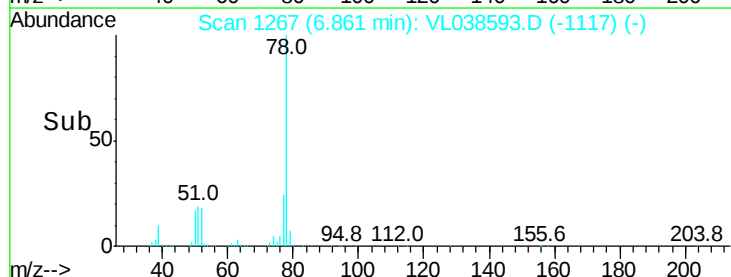
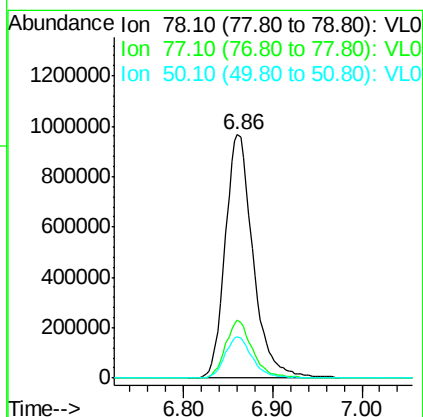
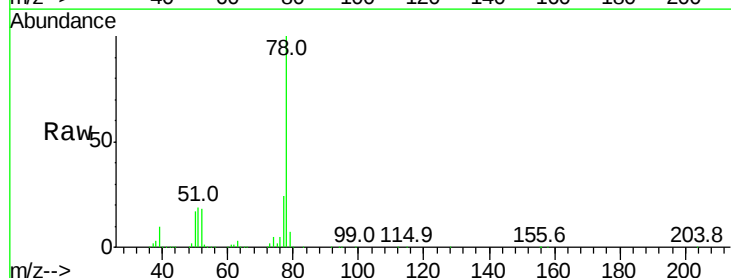
#35
Carbon Tetrachloride
Concen: 9.90 ppbv
RT: 6.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0314ABS01
Acq: 14 Mar 2022 12:03

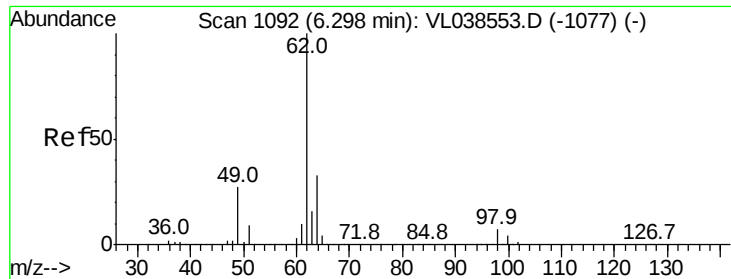
Tgt Ion: 117 Resp: 1507114
Ion Ratio Lower Upper
117 100
119 94.3 75.2 112.8
121 31.0 24.8 37.2



#36
Benzene
Concen: 10.40 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.02 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

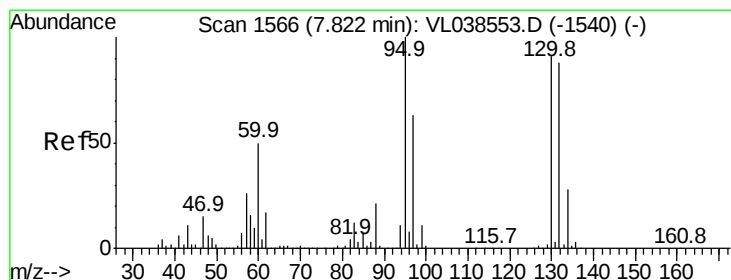
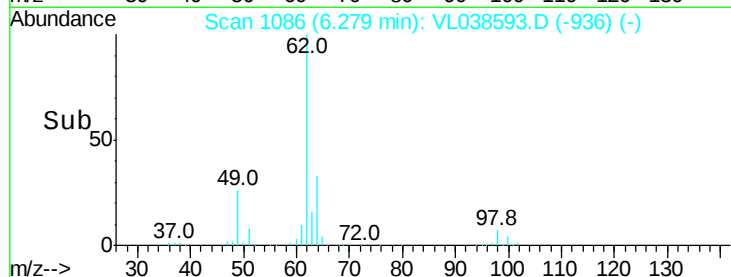
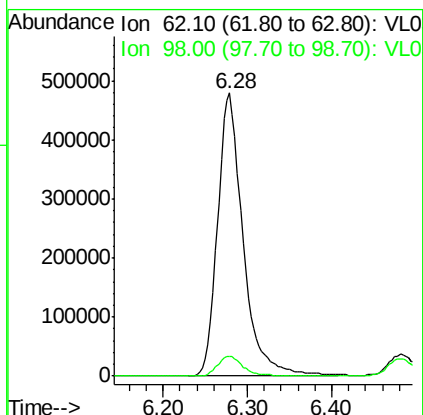
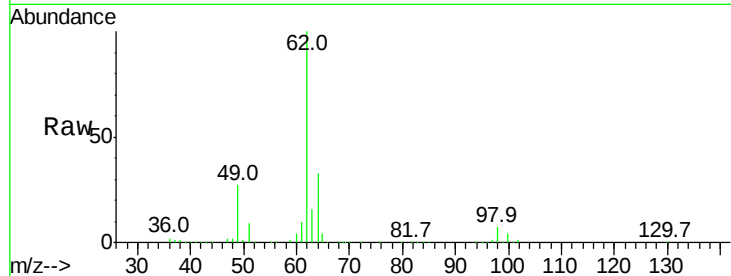
Tgt Ion: 78 Resp: 2093032
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4
50 16.8 13.9 20.9





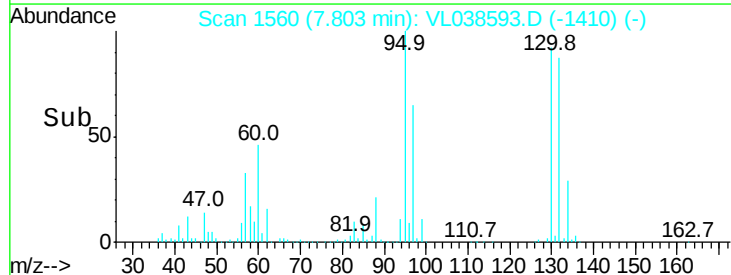
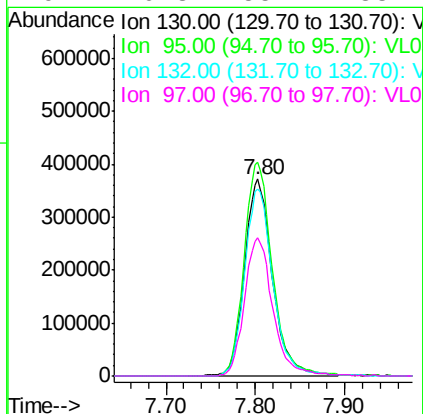
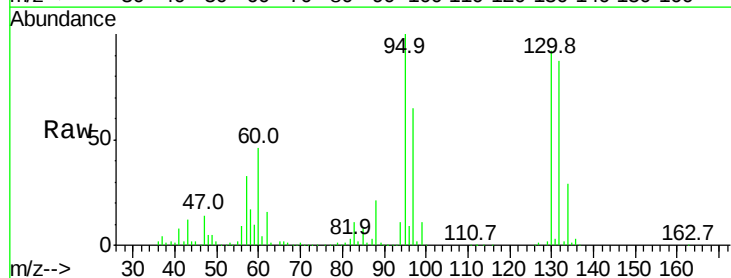
#37
 1,2-Dichloroethane
 Concen: 10.48 ppbv
 RT: 6.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

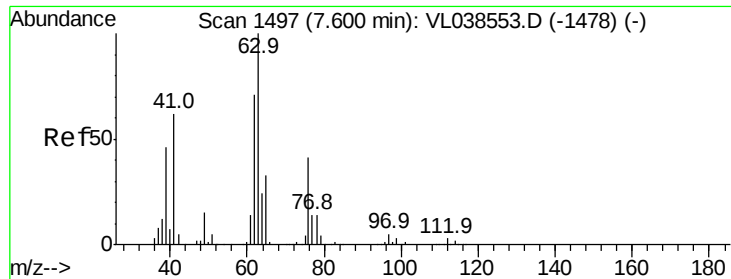
Tgt Ion: 62 Resp: 1008199
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.7 8.5



#38
 Trichloroethene
 Concen: 10.01 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T.: -0.02 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

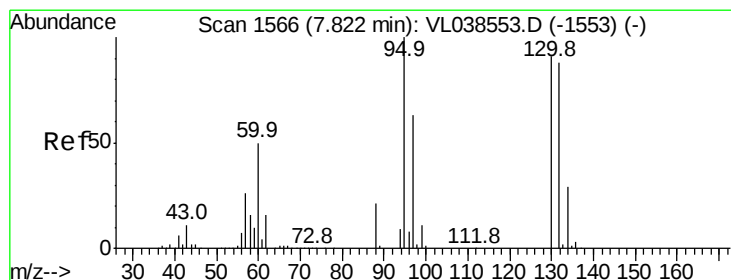
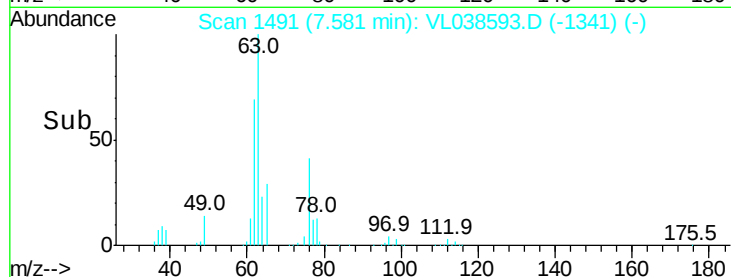
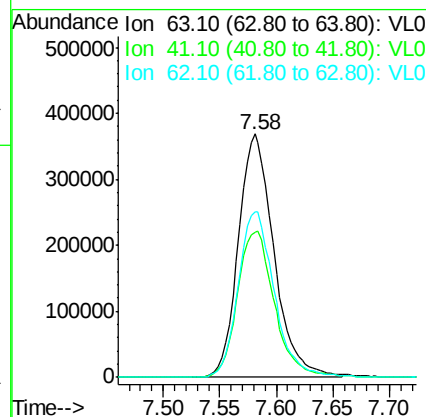
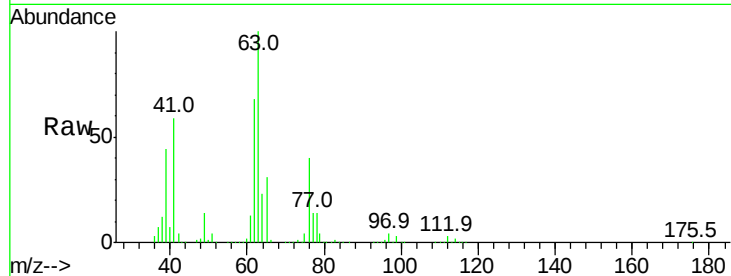
Tgt Ion: 130 Resp: 805161
 Ion Ratio Lower Upper
 130 100
 95 108.8 87.8 131.8
 132 95.1 77.5 116.3
 97 70.3 55.4 83.2





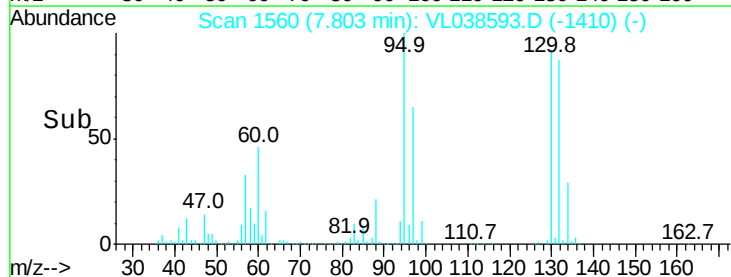
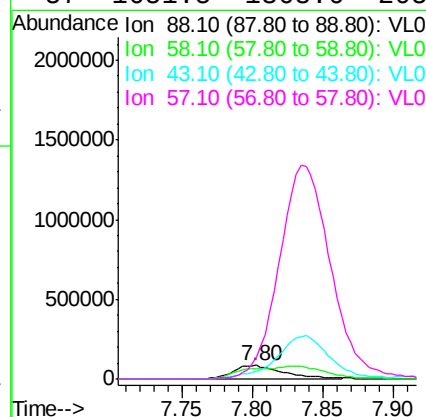
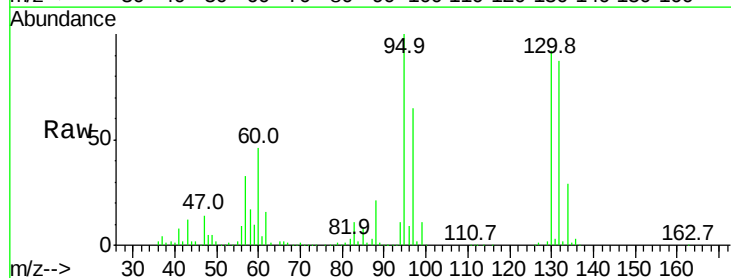
#39
 1,2-Dichloropropane
 Concen: 10.43 ppbv
 RT: 7.58
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0314ABS01
 Acq: 14 Mar 2022 12:03

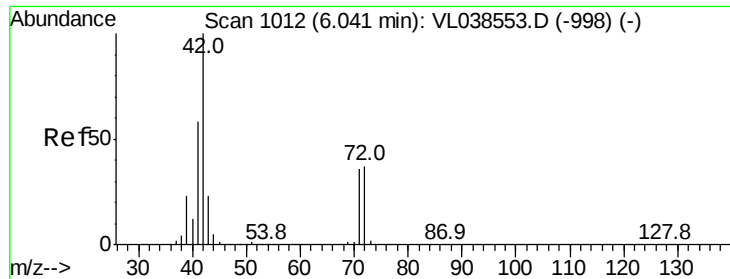
Tgt Ion: 63 Resp: 807969
 Ion Ratio Lower Upper
 63 100
 41 59.4 49.8 74.6
 62 68.1 56.7 85.1



#40
 1,4-Dioxane
 Concen: 10.72 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

Tgt Ion: 88 Resp: 207699
 Ion Ratio Lower Upper
 88 100
 58 154.7 126.7 190.1
 43 356.9 303.0 454.6
 57 1651.5 1368.6 2053.0





#41

Tetrahydrofuran

Concen: 10.20 ppbv

RT: 6.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0314ABS01

Acq: 14 Mar 2022 12:03

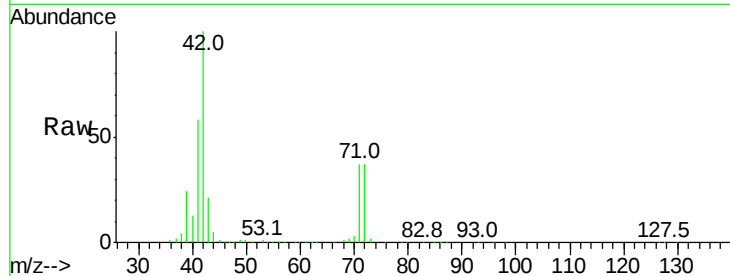
Tgt Ion: 42 Resp: 482382

Ion Ratio Lower Upper

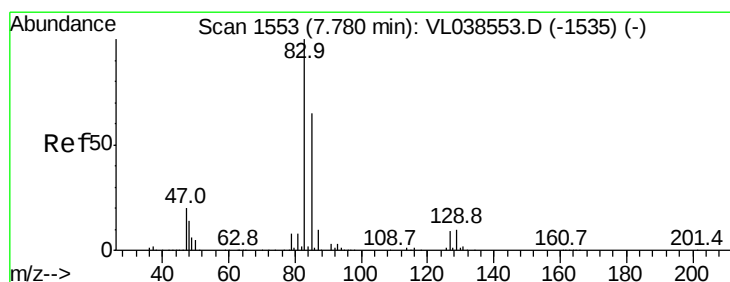
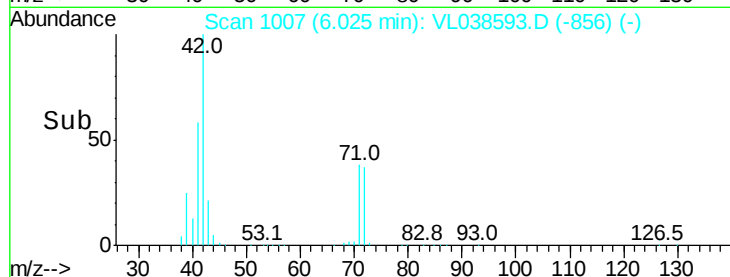
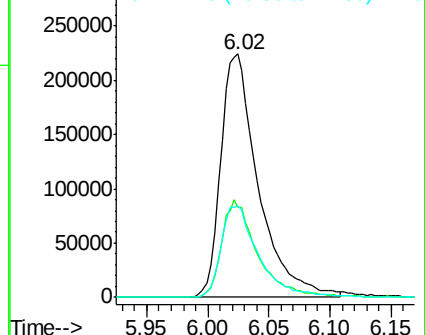
42 100

72 38.9 30.9 46.3

71 38.0 29.1 43.7



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: 10.46 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.02 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

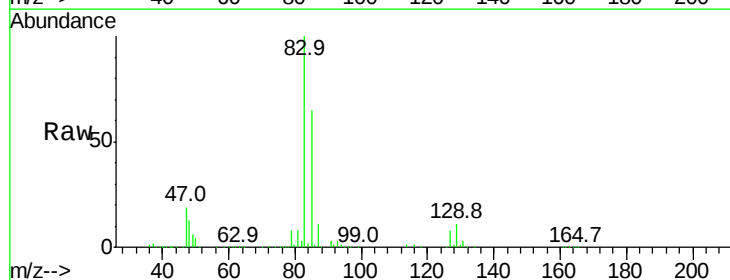
Tgt Ion: 83 Resp: 1595802

Ion Ratio Lower Upper

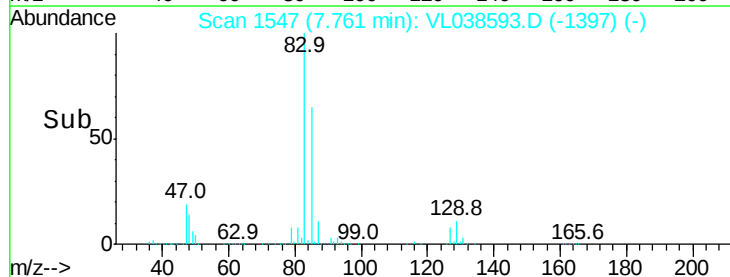
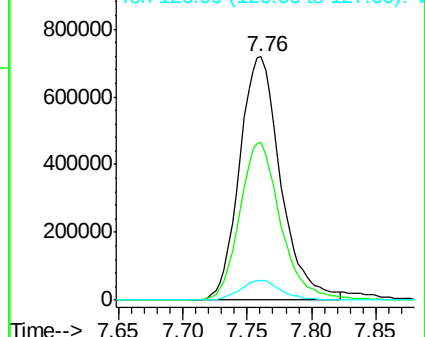
83 100

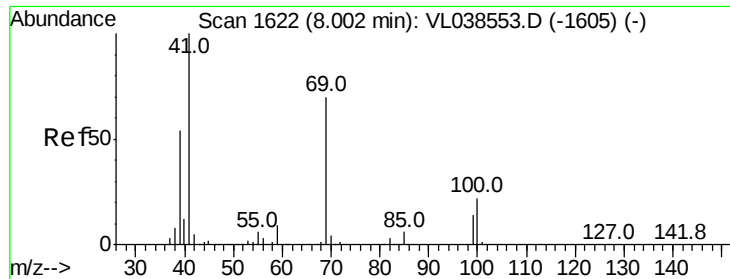
85 65.0 51.7 77.5

127 8.0 6.9 10.3



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





#43

Methyl Methacrylate

Concen: 10.87 ppbv

RT: 7.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0314ABS01

Acq: 14 Mar 2022 12:03

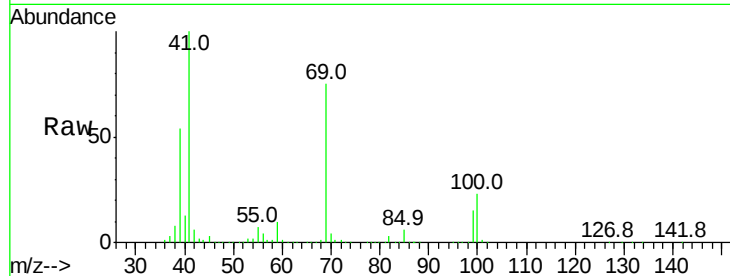
Tgt Ion: 69 Resp: 751234

Ion Ratio Lower Upper

69 100

41 138.7 113.8 170.6

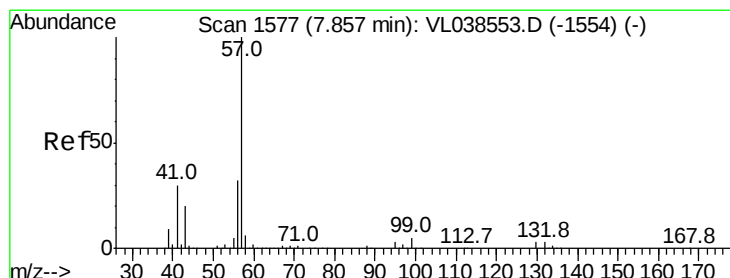
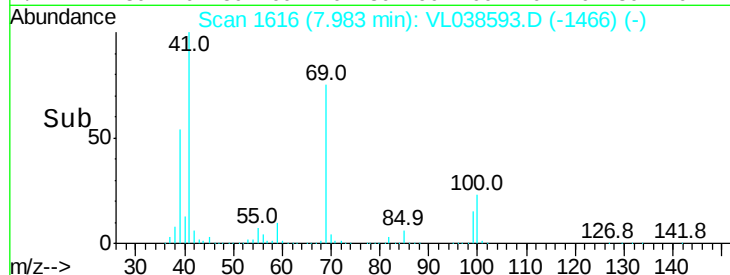
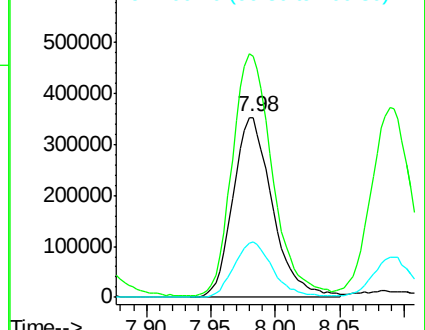
100 30.6 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.07 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

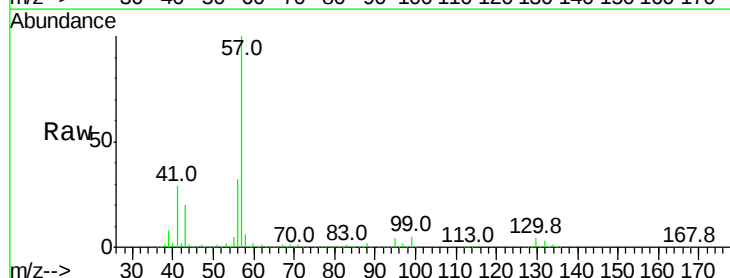
Tgt Ion: 57 Resp: 3429378

Ion Ratio Lower Upper

57 100

41 29.5 24.0 36.0

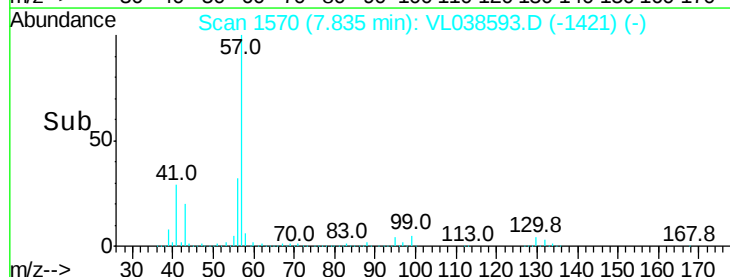
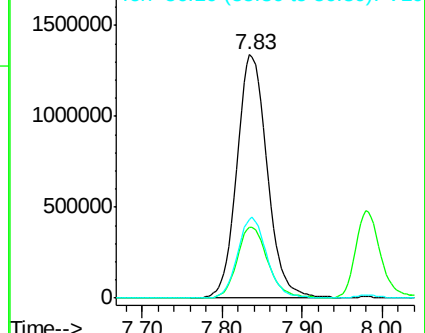
56 32.0 25.6 38.4

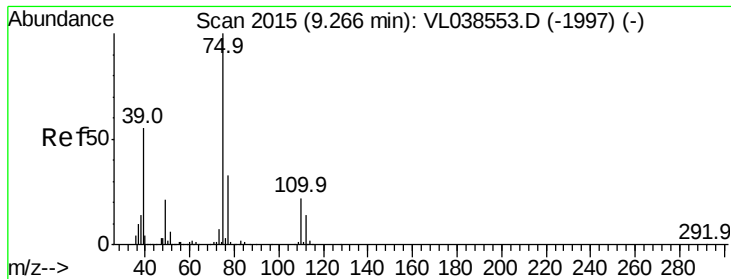


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.27 ppbv

RT: 9.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

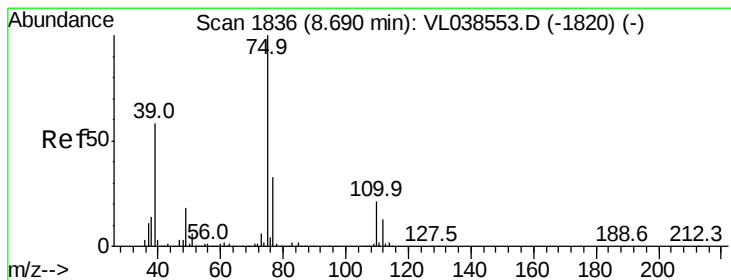
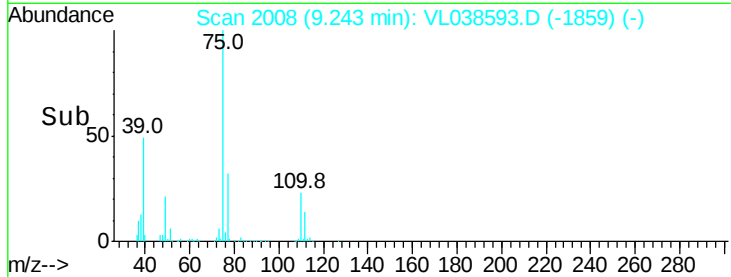
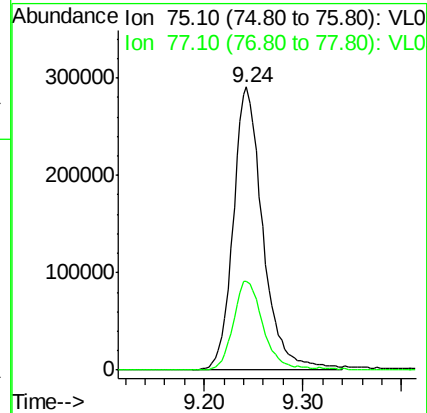
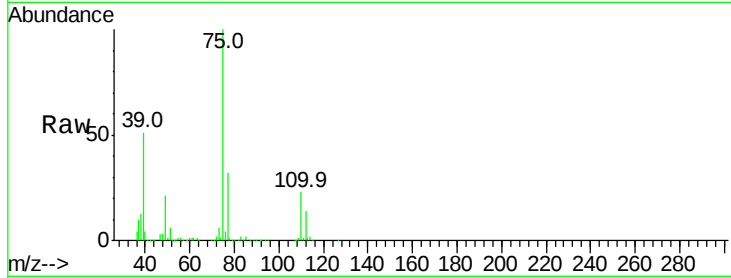
Acq: 14 Mar 2022 12:03 VL0314ABS01

Tgt Ion: 75 Resp: 611197

Ion Ratio Lower Upper

75 100

77 31.5 26.6 40.0



#46

cis-1,3-Dichloropropene

Concen: 11.69 ppbv

RT: 8.67 min Scan# 1829

Delta R.T. -0.02 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

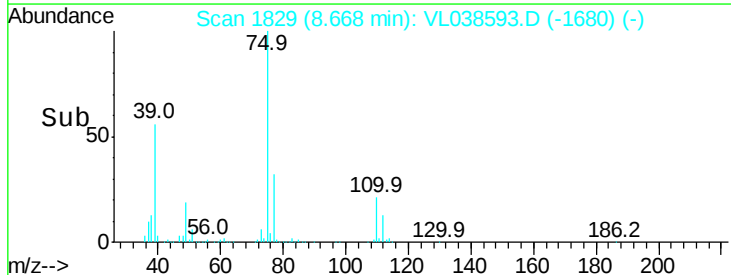
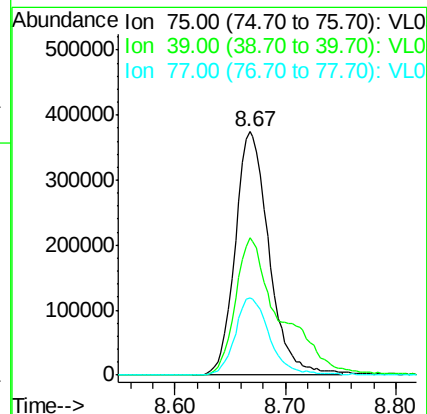
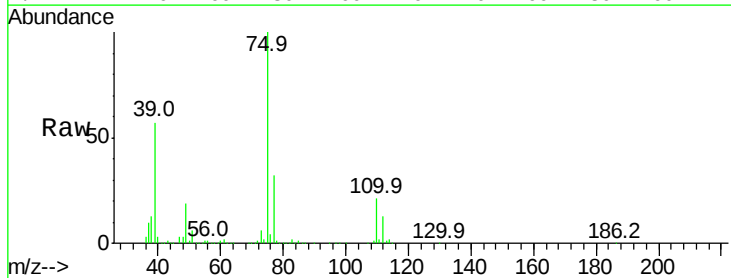
Tgt Ion: 75 Resp: 795903

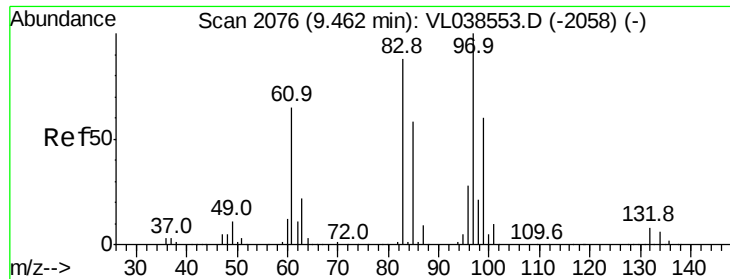
Ion Ratio Lower Upper

75 100

39 56.4 46.2 69.2

77 31.8 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 10.92 ppbv

RT: 9.44 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0314ABS01

Acq: 14 Mar 2022 12:03

Tgt Ion: 97 Resp: 862194

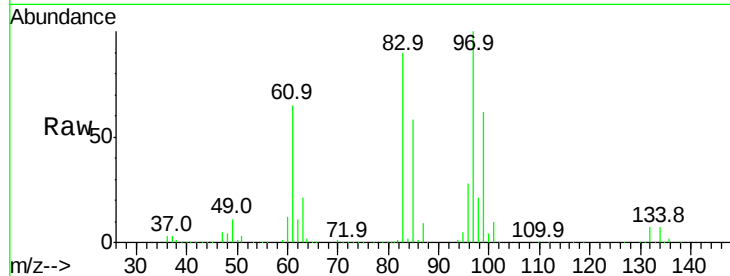
Ion Ratio Lower Upper

97 100

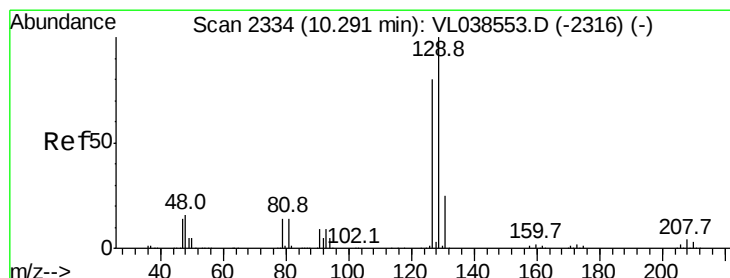
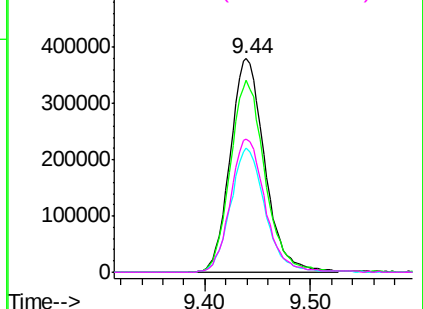
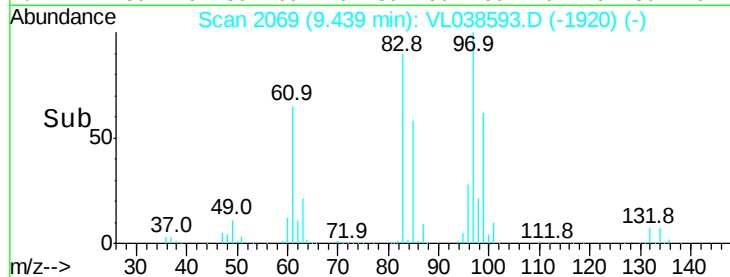
83 89.7 70.1 105.1

85 58.3 46.6 69.8

99 62.3 48.1 72.1



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: 11.49 ppbv

RT: 10.27 min Scan# 2327

Delta R.T. -0.02 min

Lab File: VL038593.D

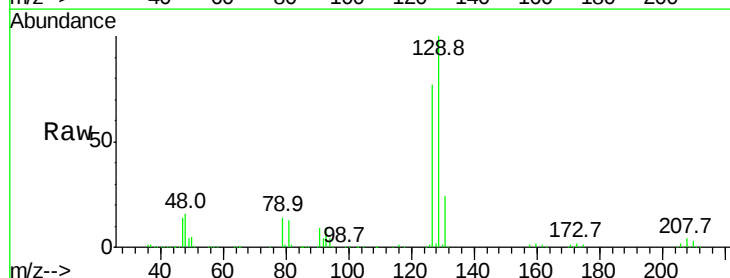
Acq: 14 Mar 2022 12:03

Tgt Ion: 129 Resp: 1439560

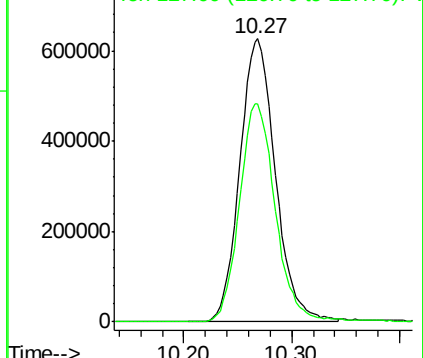
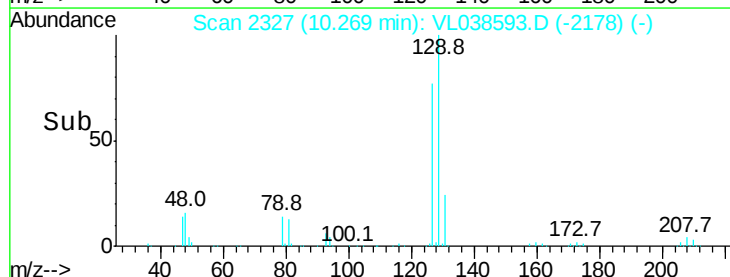
Ion Ratio Lower Upper

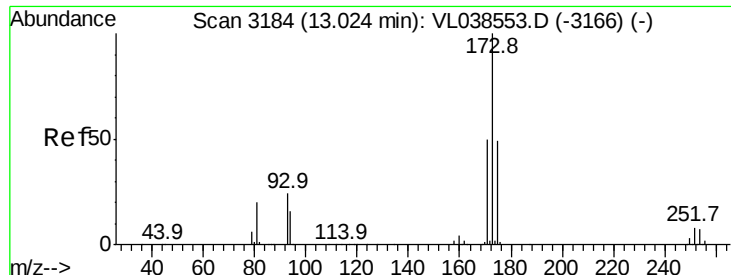
129 100

127 78.5 39.5 118.3



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





#49

Bromoform

Concen: 12.75 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Mar 2022 12:03

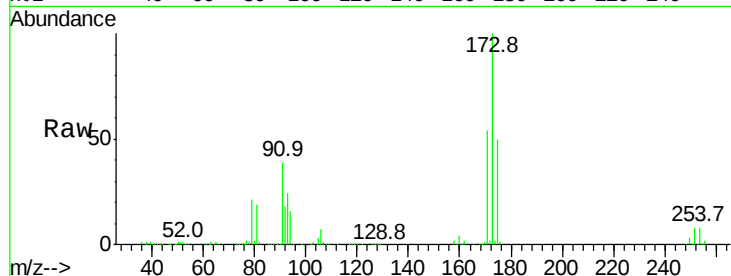
Tgt Ion: 173 Resp: 1223282

Ion Ratio Lower Upper

173 100

175 50.3 40.7 61.1

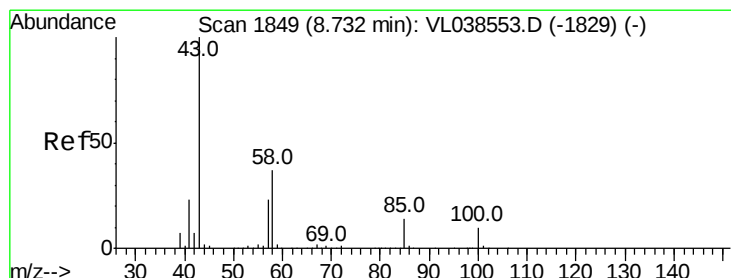
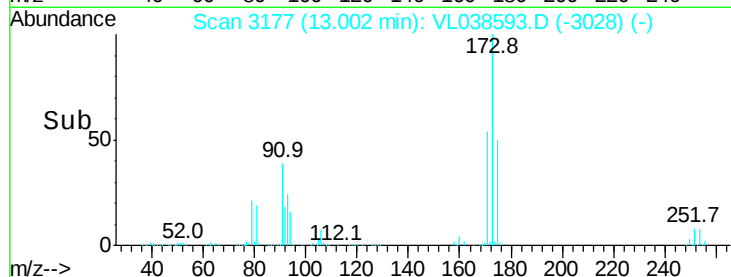
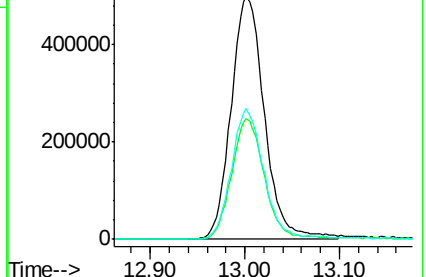
171 53.0 42.9 64.3



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: 10.73 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.03 min

Lab File: VL038593.D

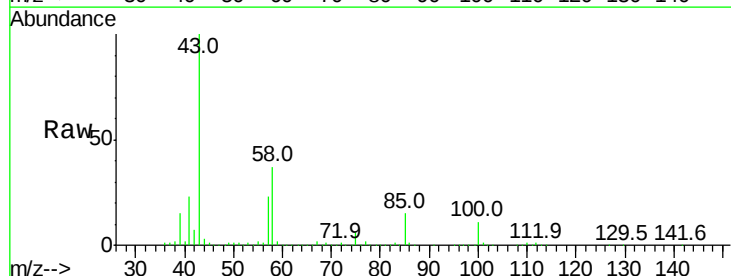
Acq: 14 Mar 2022 12:03

Tgt Ion: 43 Resp: 1272518

Ion Ratio Lower Upper

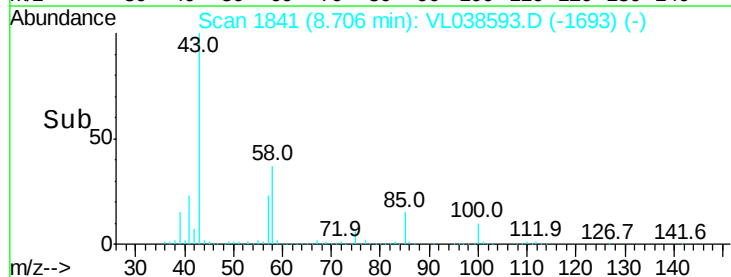
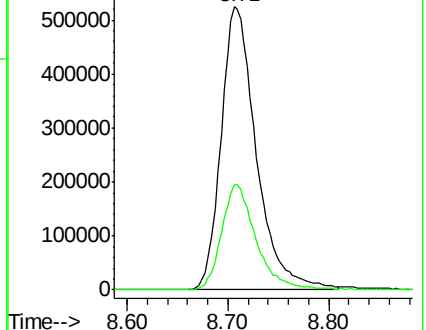
43 100

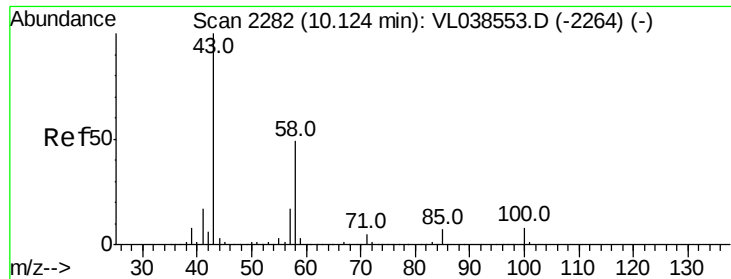
58 37.0 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

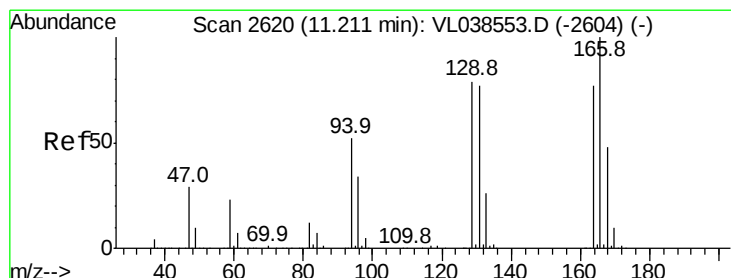
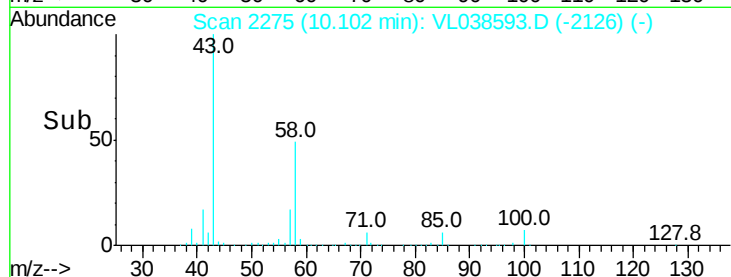
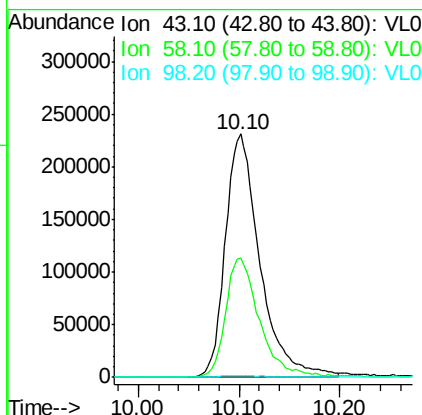
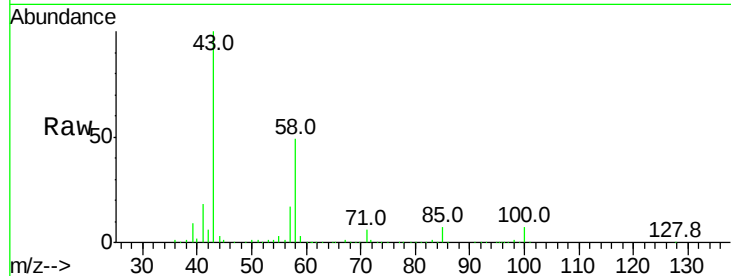
Ion 58.10 (57.80 to 58.80): VL0





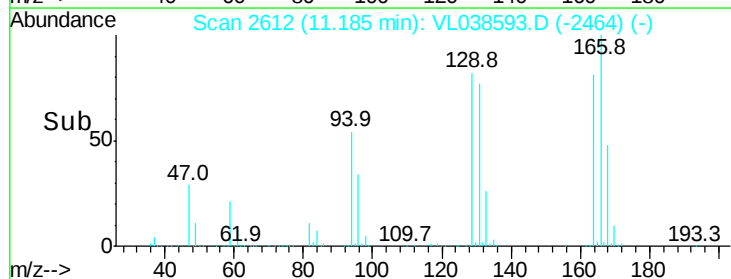
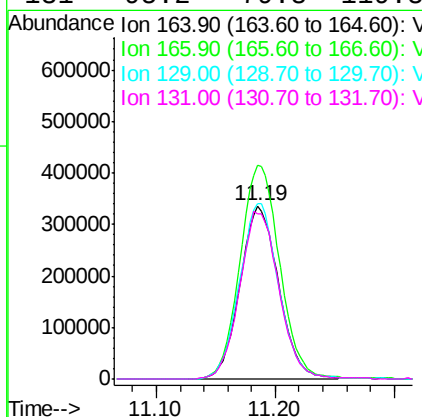
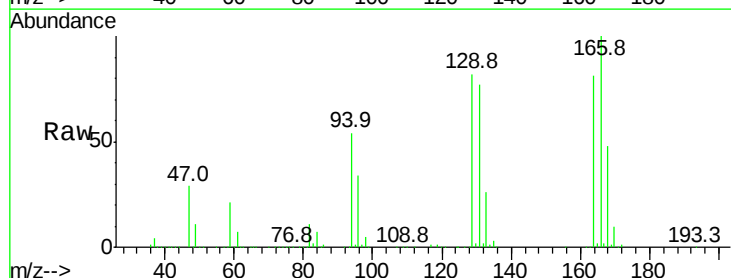
#51
2-Hexanone
Concen: 10.95 ppbv
RT: 10.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0314ABS01
Acq: 14 Mar 2022 12:03

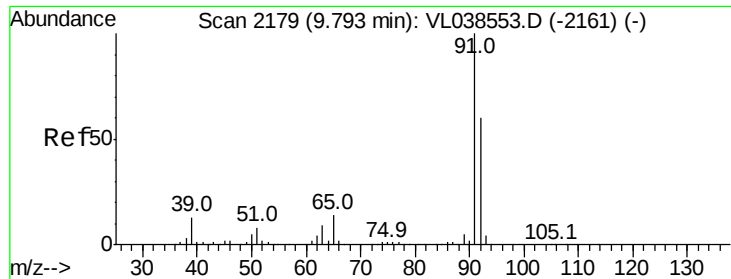
Tgt Ion: 43 Resp: 548586
Ion Ratio Lower Upper
43 100
58 49.7 40.1 60.1
98 1.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.22 ppbv
RT: 11.19 min Scan# 2612
Delta R.T. -0.03 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

Tgt Ion:164 Resp: 754326
Ion Ratio Lower Upper
164 100
166 123.5 103.4 155.2
129 101.8 81.3 121.9
131 95.2 79.8 119.8





#53

Toluene

Concen: 11.03 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

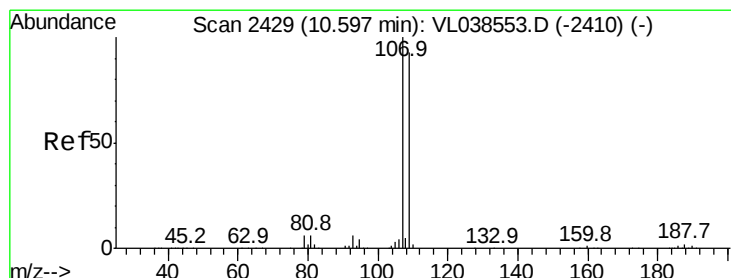
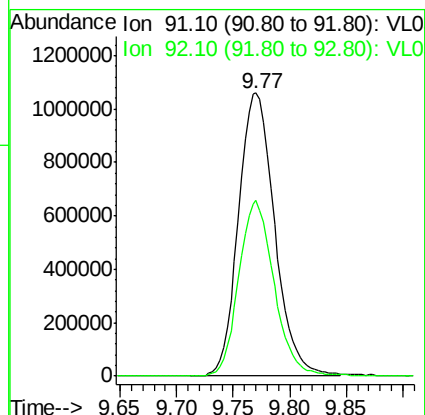
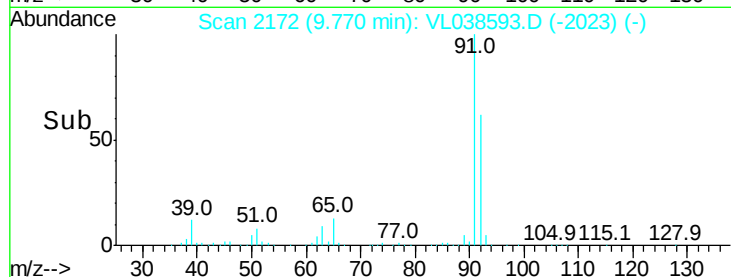
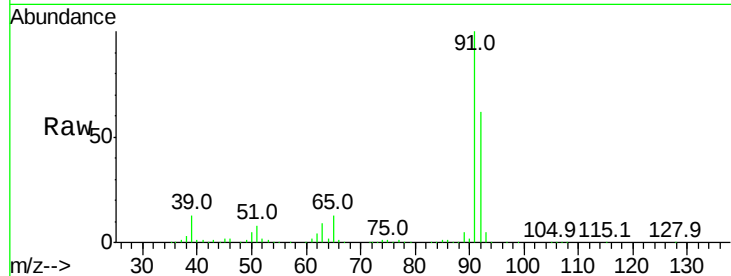
Acq: 14 Mar 2022 12:03 VL0314ABS01

Tgt Ion: 91 Resp: 2371249

Ion Ratio Lower Upper

91 100

92 60.7 48.1 72.1



#54

1,2-Dibromoethane

Concen: 11.07 ppbv

RT: 10.57 min Scan# 2422

Delta R.T. -0.02 min

Lab File: VL038593.D

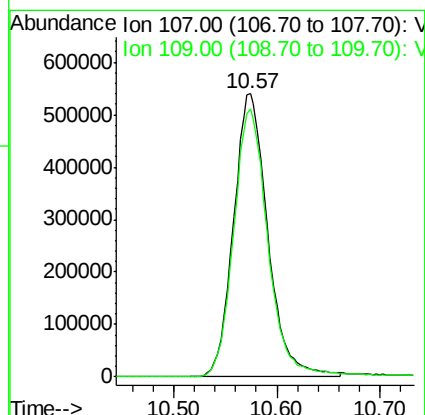
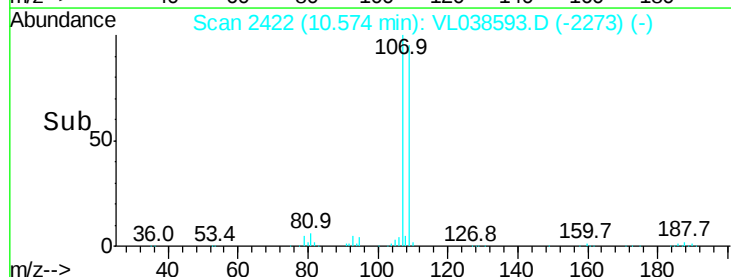
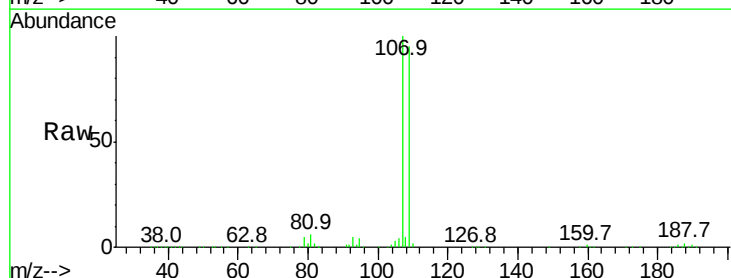
Acq: 14 Mar 2022 12:03

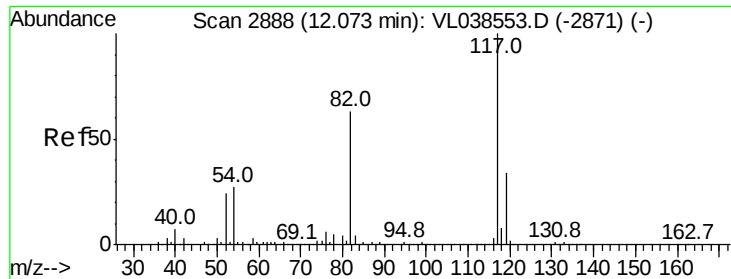
Tgt Ion: 107 Resp: 1248121

Ion Ratio Lower Upper

107 100

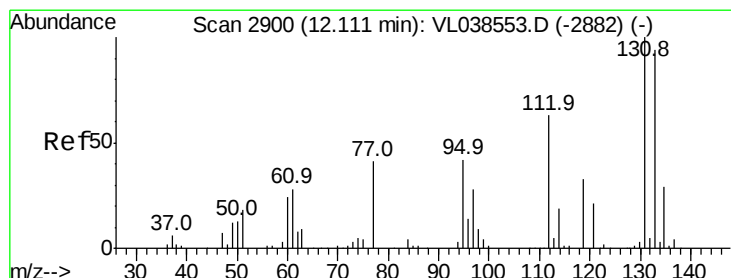
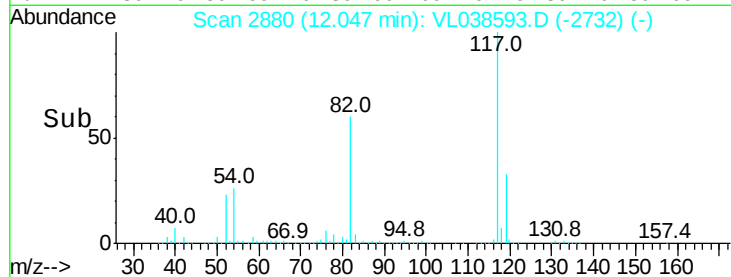
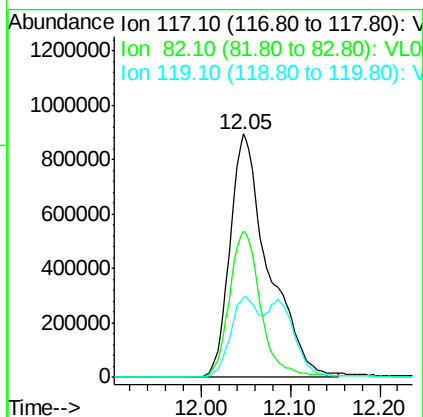
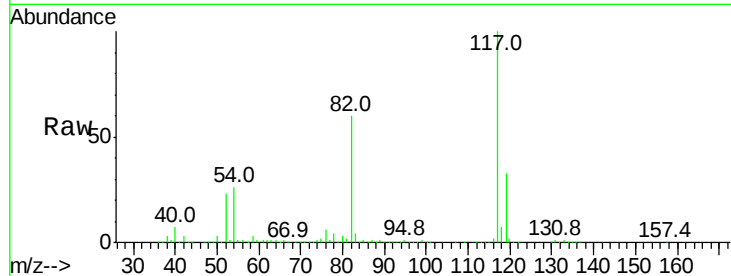
109 94.9 74.6 112.0





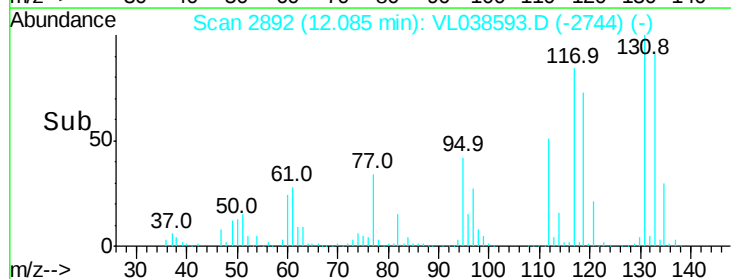
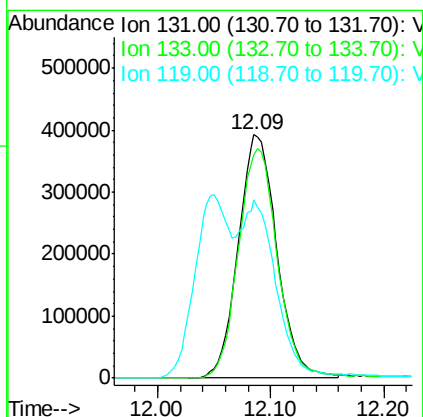
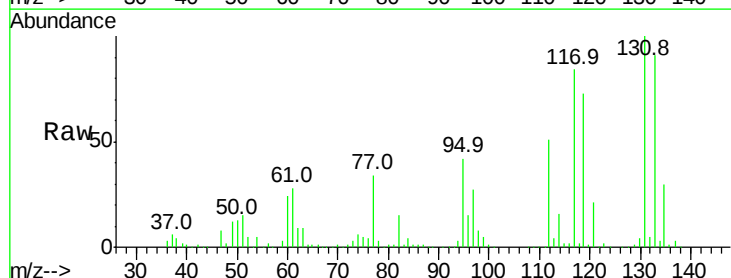
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.05 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

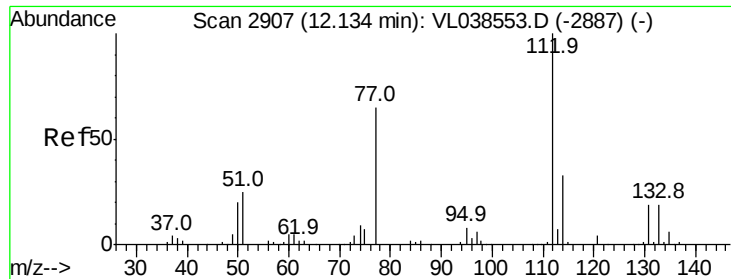
Tgt Ion:117 Resp: 2676953
 Ion Ratio Lower Upper
 117 100
 82 50.2 52.5 78.7#
 119 23.3 46.4 69.6#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.55 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. -0.03 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

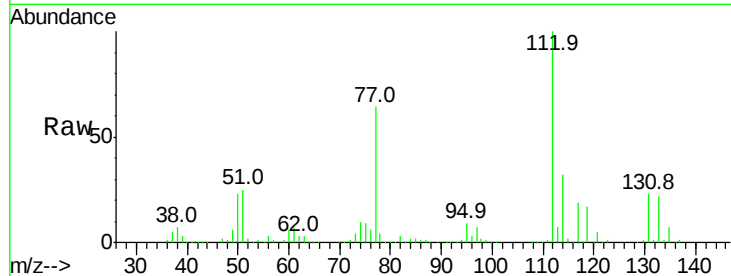
Tgt Ion:131 Resp: 932763
 Ion Ratio Lower Upper
 131 100
 133 96.6 78.0 117.0
 119 68.9 53.1 79.7



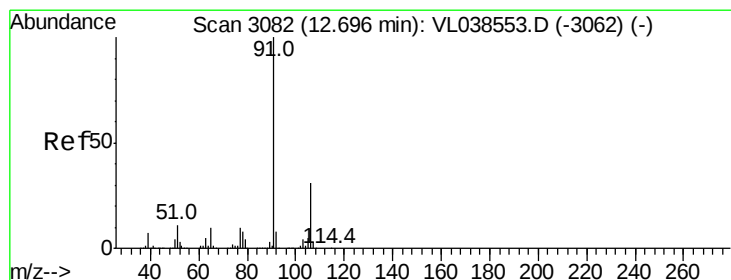
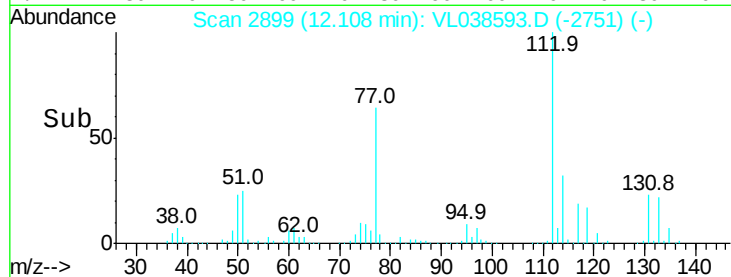
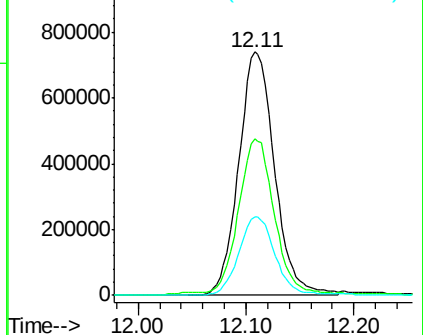


#57
Chlorobenzene
Concen: 8.41 ppbv
RT: 12.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0314ABS01
Acq: 14 Mar 2022 12:03

Tgt Ion: 112 Resp: 1718705
Ion Ratio Lower Upper
112 100
77 62.9 52.5 78.7
114 32.3 30.0 36.6

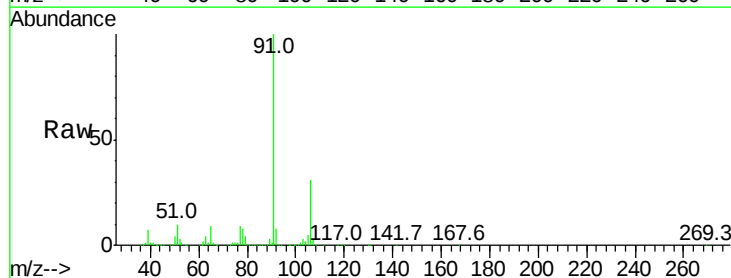


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

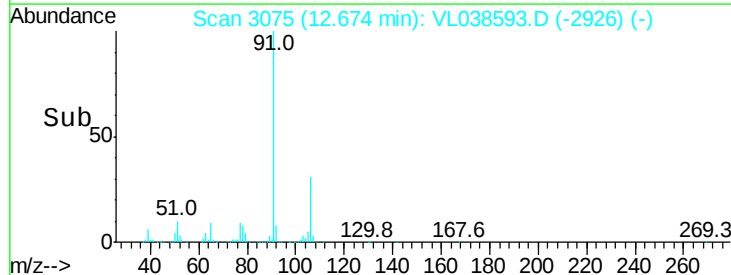
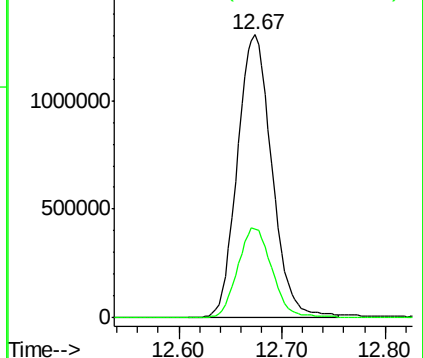


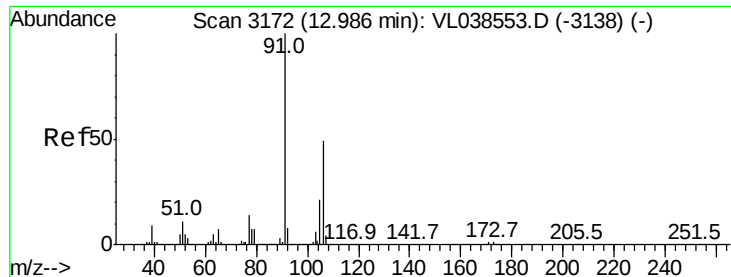
#58
Ethyl Benzene
Concen: 8.78 ppbv
RT: 12.67 min Scan# 3075
Delta R.T. -0.02 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

Tgt Ion: 91 Resp: 3043839
Ion Ratio Lower Upper
91 100
106 31.5 24.6 37.0



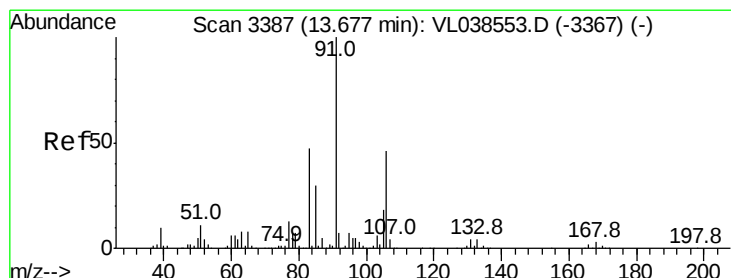
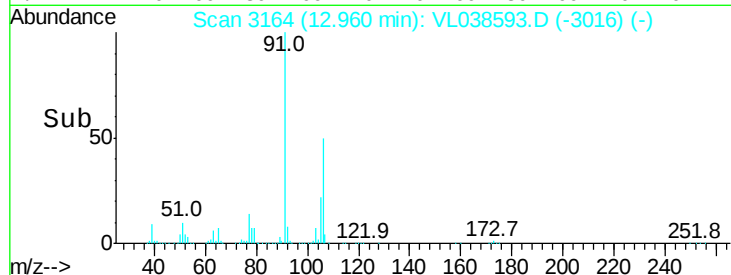
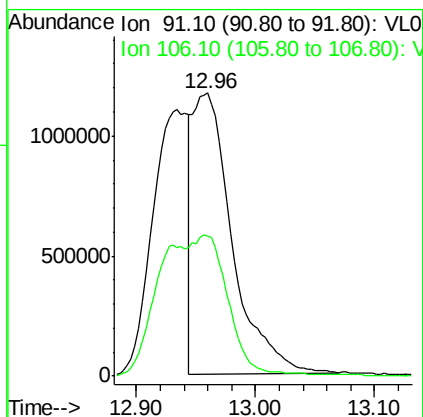
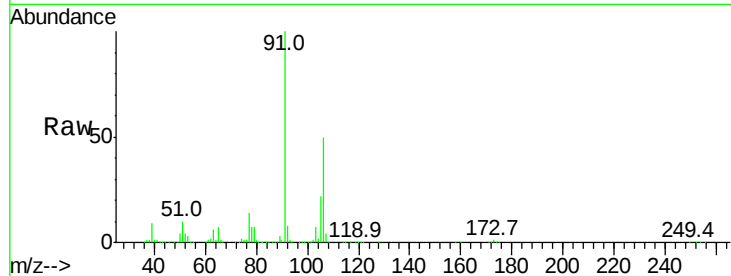
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





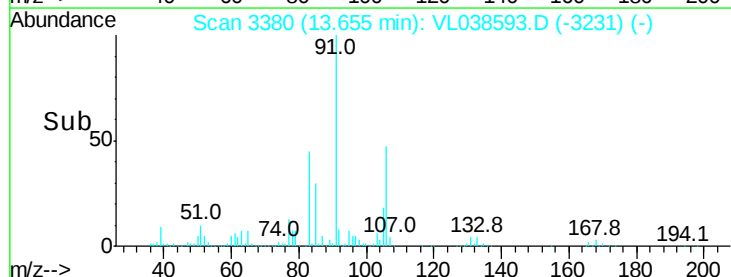
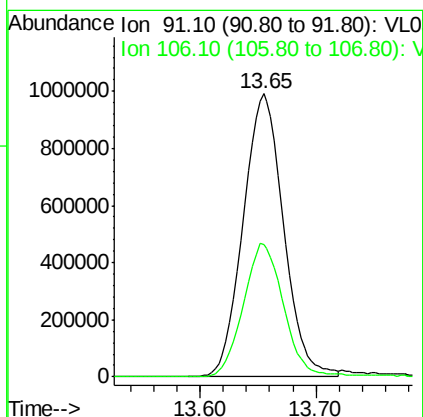
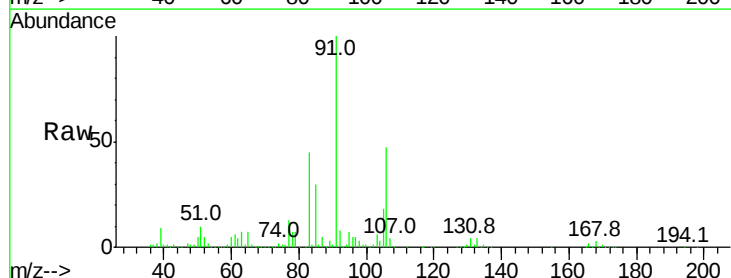
#59
m/p-Xylene
Concen: 9.08 ppbv
RT: 12.96 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL0314ABS01
Acq: 14 Mar 2022 12:03

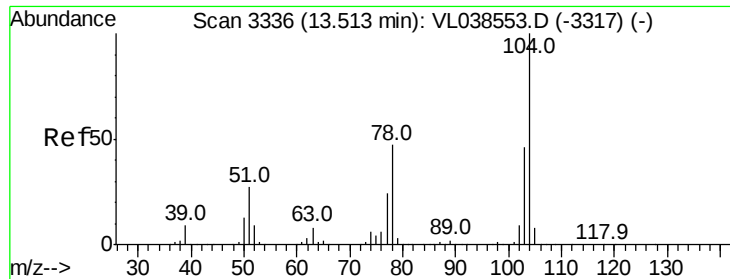
Tgt Ion: 91 Resp: 2695053
Ion Ratio Lower Upper
91 100
106 88.1 37.1 55.7#



#60
o-Xylene
Concen: 8.55 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.02 min
Lab File: VL038593.D
Acq: 14 Mar 2022 12:03

Tgt Ion: 91 Resp: 2396248
Ion Ratio Lower Upper
91 100
106 47.8 23.5 70.6





#61

Styrene

Concen: 9.65 ppbv

RT: 13.49

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 12:03

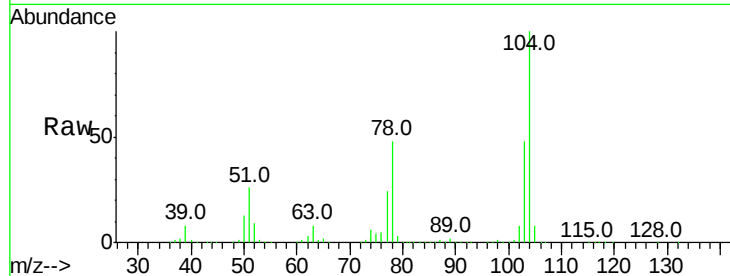
Tgt Ion:104 Resp: 1332798

Ion Ratio Lower Upper

104 100

78 47.3 39.0 58.4

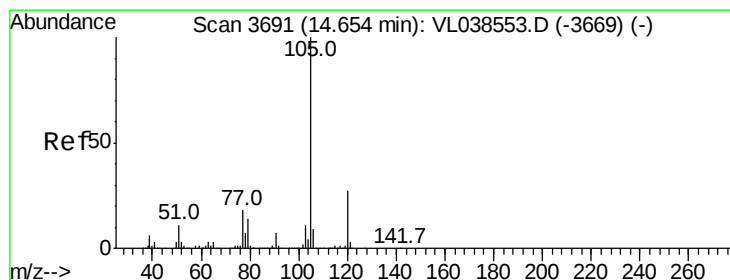
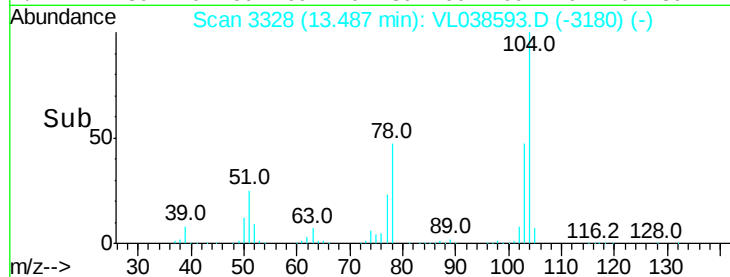
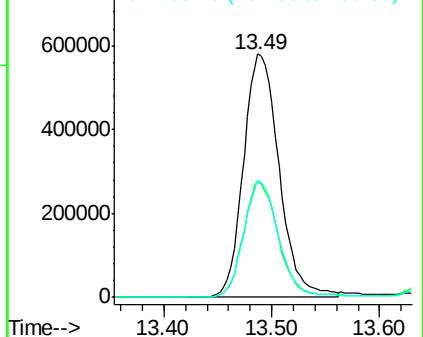
103 47.6 38.0 57.0



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: 8.65 ppbv

RT: 14.63 min Scan# 3683

Delta R.T. -0.03 min

Lab File: VL038593.D

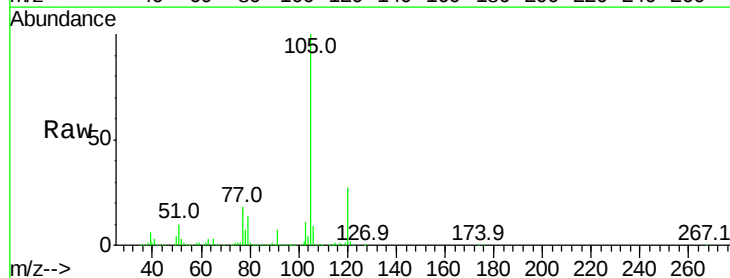
Acq: 14 Mar 2022 12:03

Tgt Ion:105 Resp: 3345794

Ion Ratio Lower Upper

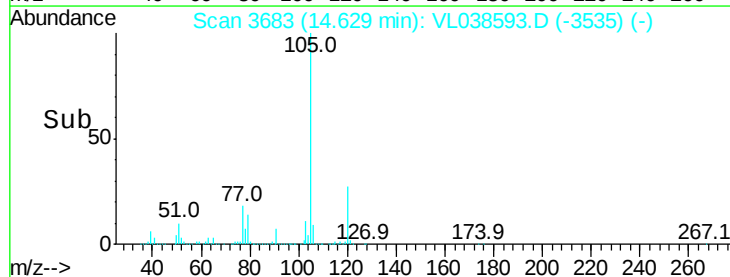
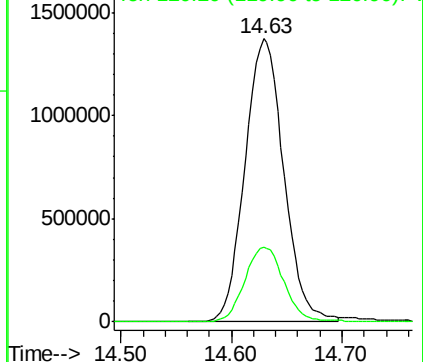
105 100

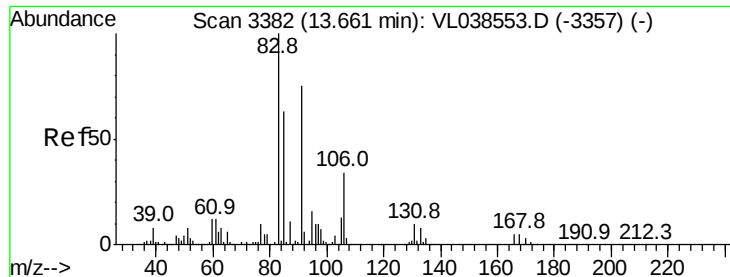
120 27.1 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

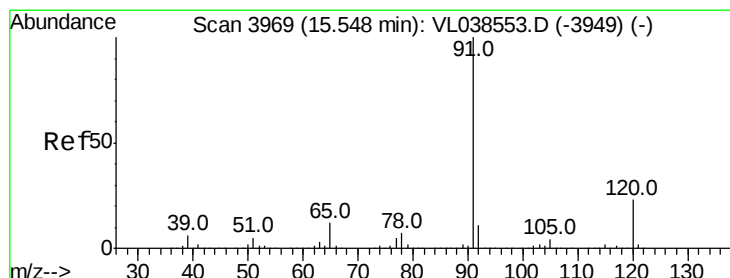
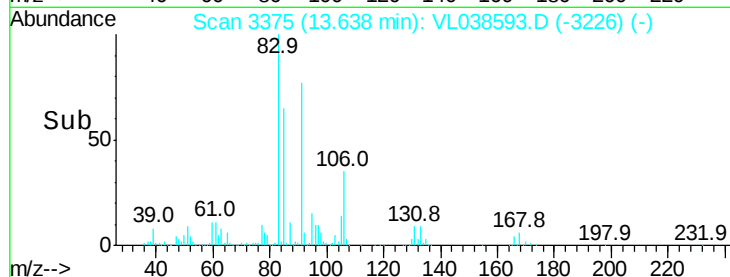
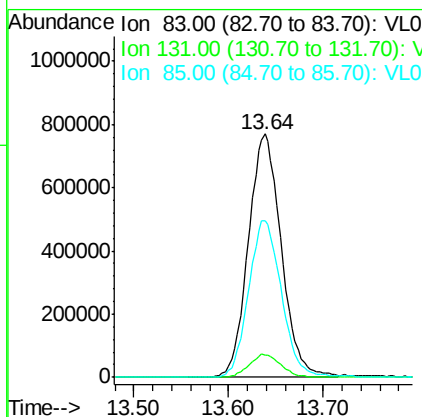
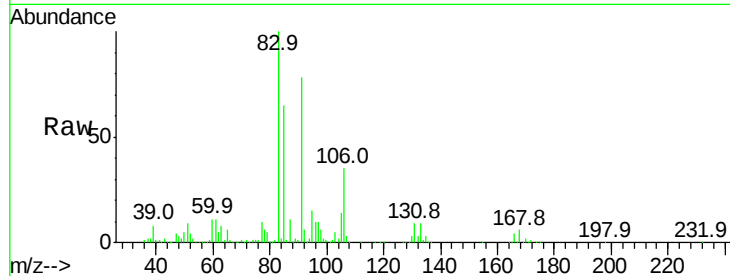
Ion 120.20 (119.90 to 120.90): V





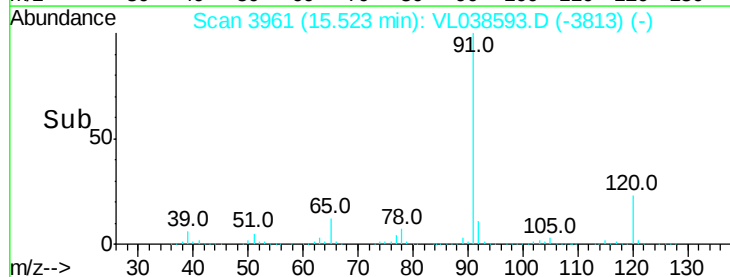
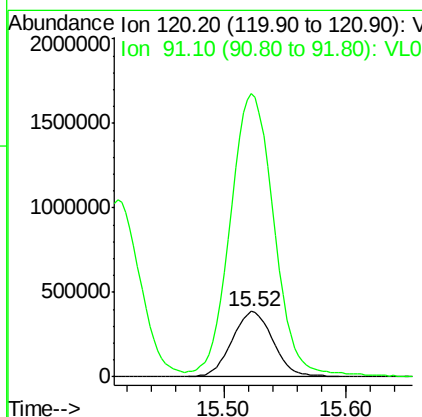
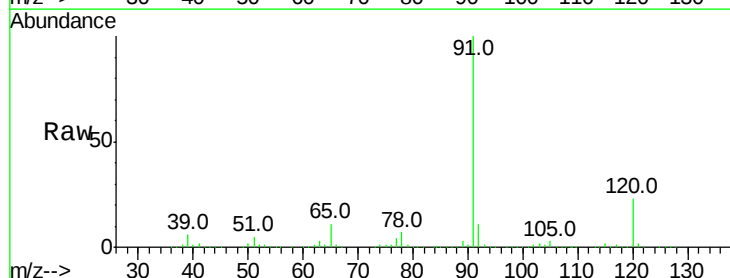
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.86 ppbv
 RT: 13.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

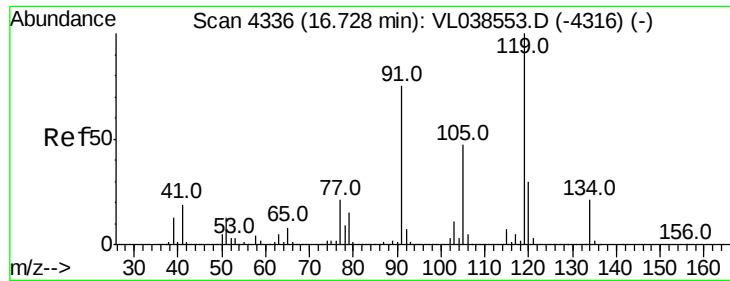
Tgt Ion: 83 Resp: 1860559
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 65.3 32.6 98.0



#64
 n-propylbenzene
 Concen: 9.23 ppbv
 RT: 15.52 min Scan# 3961
 Delta R.T. -0.03 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

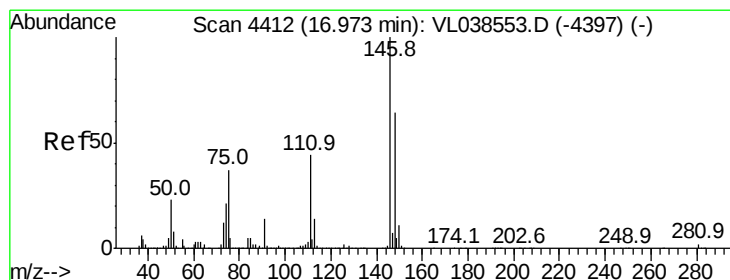
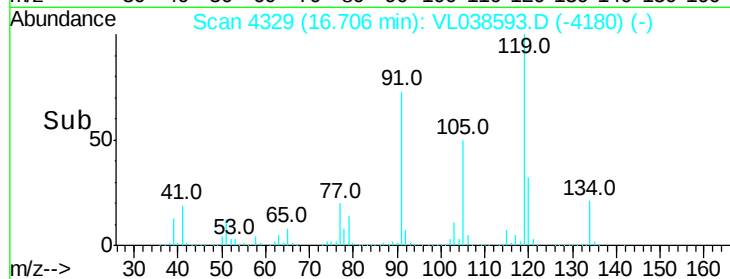
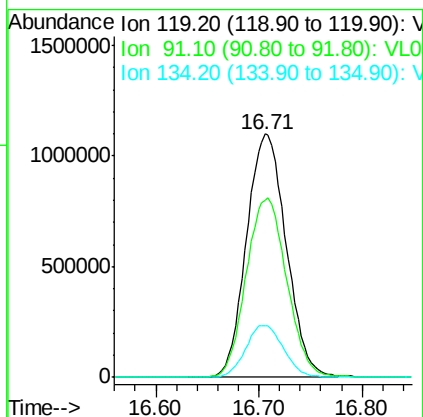
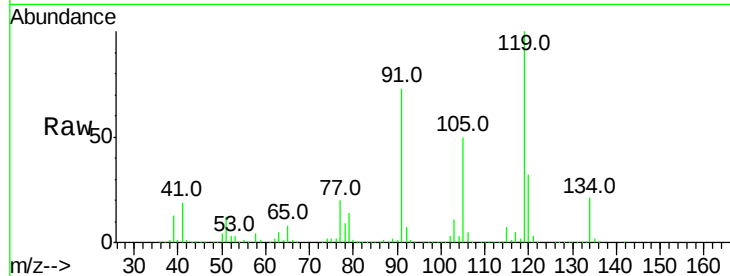
Tgt Ion: 120 Resp: 909714
 Ion Ratio Lower Upper
 120 100
 91 459.8 374.2 561.2





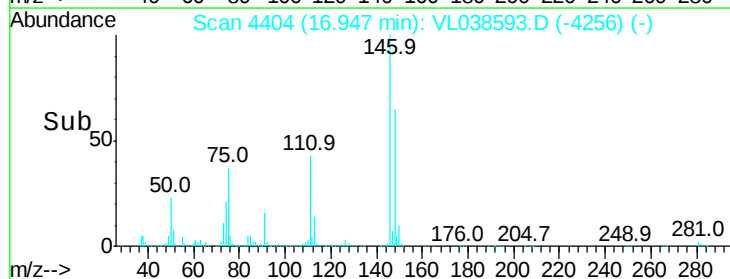
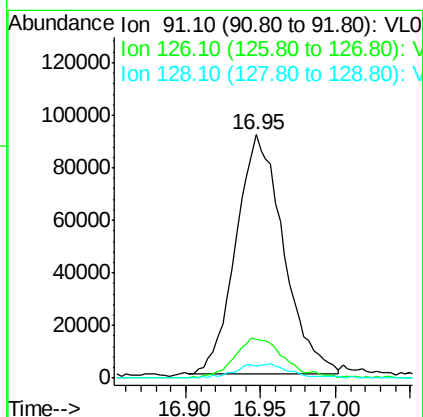
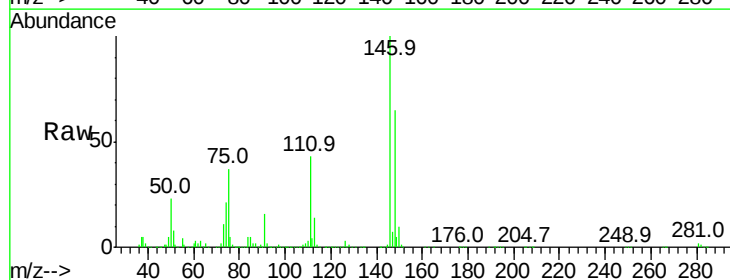
#65
 tert-Butylbenzene
 Concen: 8.50 ppbv
 RT: 16.71 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

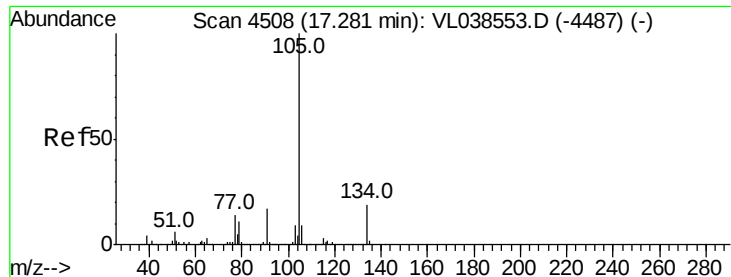
Tgt Ion: 119 Resp: 2938941
 Ion Ratio Lower Upper
 119 100
 91 75.5 61.2 91.8
 134 20.6 16.2 24.2



#66
 Benzyl Chloride
 Concen: 9.84 ppbv
 RT: 16.95 min Scan# 4404
 Delta R.T.: -0.03 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

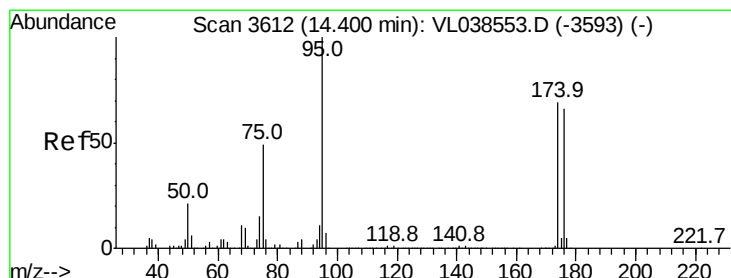
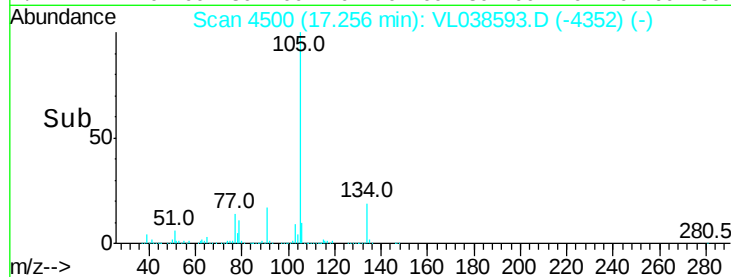
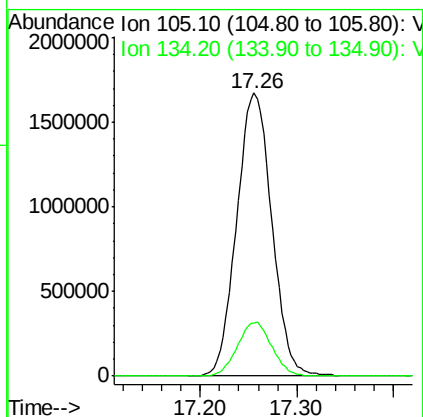
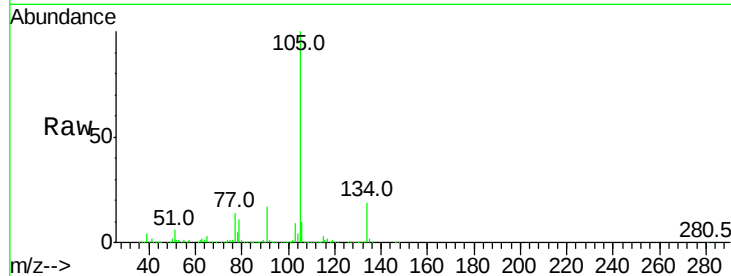
Tgt Ion: 91 Resp: 201535
 Ion Ratio Lower Upper
 91 100
 126 17.7 14.1 21.1
 128 6.6 5.1 7.7





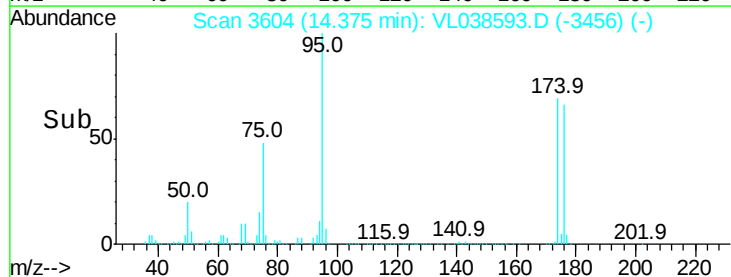
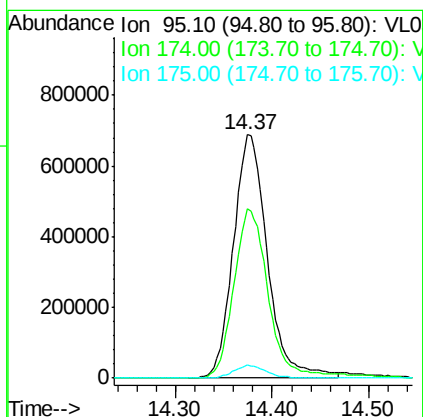
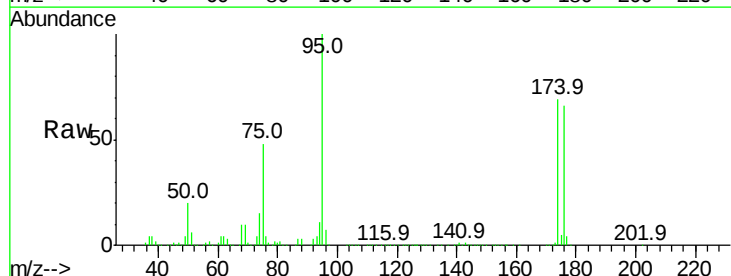
#67
 sec-Butylbenzene
 Concen: 8.56 ppbv
 RT: 17.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

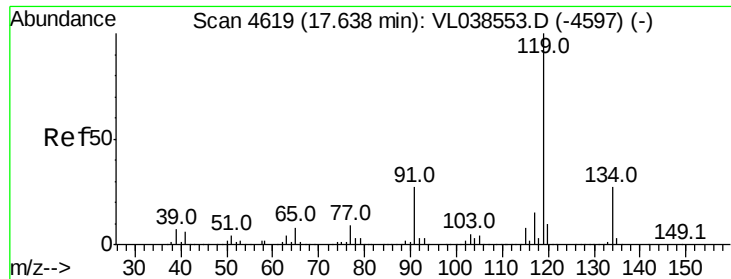
Tgt Ion: 105 Resp: 4205601
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.25 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.03 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

Tgt Ion: 95 Resp: 1679449
 Ion Ratio Lower Upper
 95 100
 174 72.1 56.2 84.4
 175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.50 ppbv

RT: 17.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 12:03

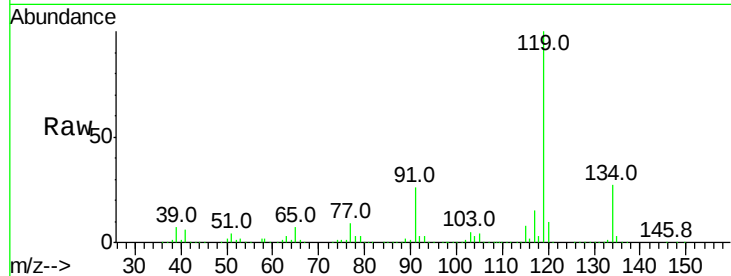
Tgt Ion: 119 Resp: 3458553

Ion Ratio Lower Upper

119 100

134 26.6 20.9 31.3

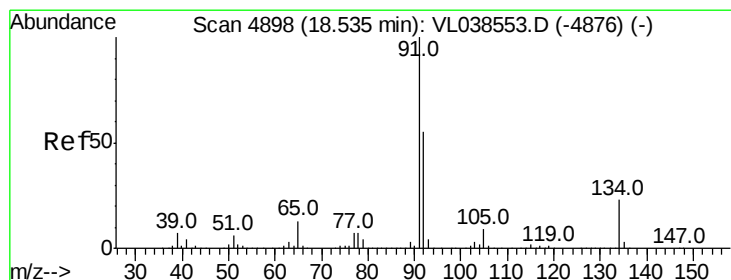
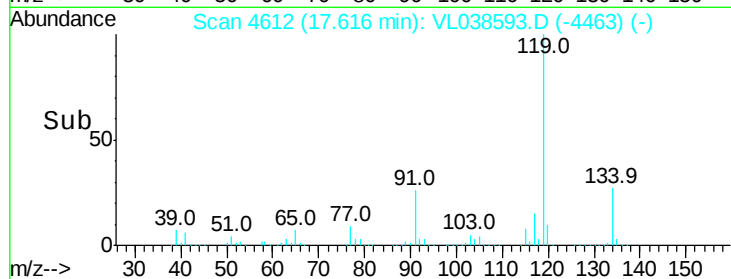
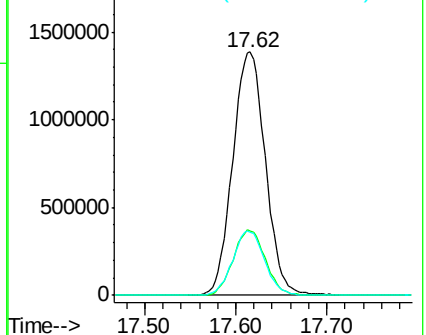
91 25.9 21.1 31.7



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: 8.21 ppbv

RT: 18.51 min Scan# 4890

Delta R.T. -0.03 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

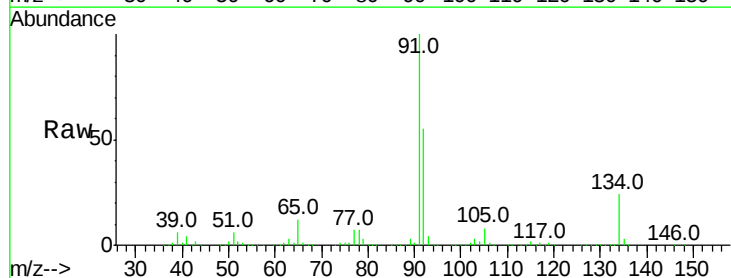
Tgt Ion: 91 Resp: 3558705

Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

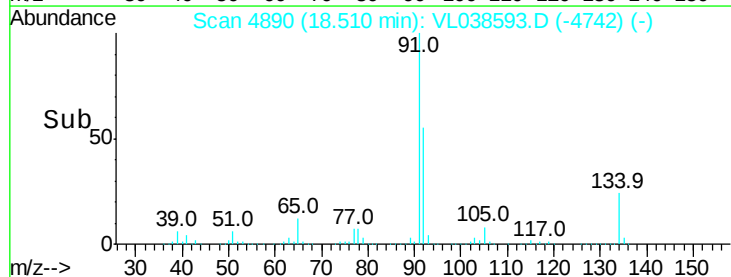
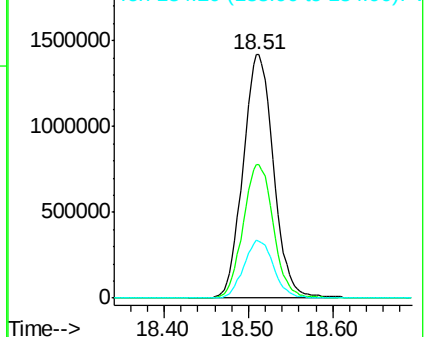
134 23.5 18.7 28.1

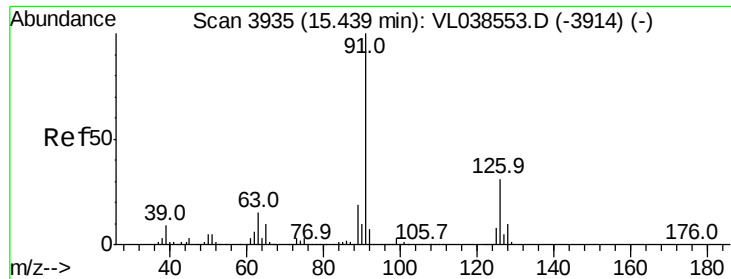


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.77 ppbv

RT: 15.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

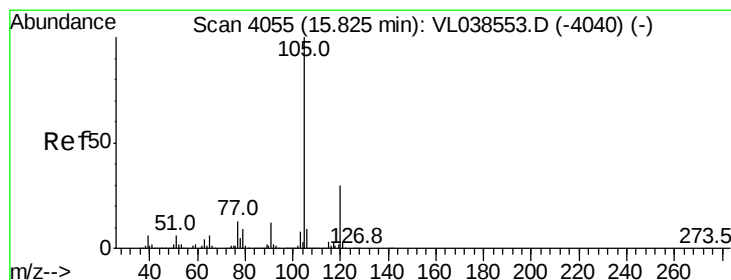
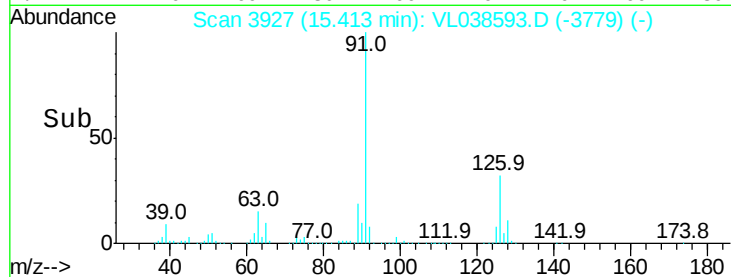
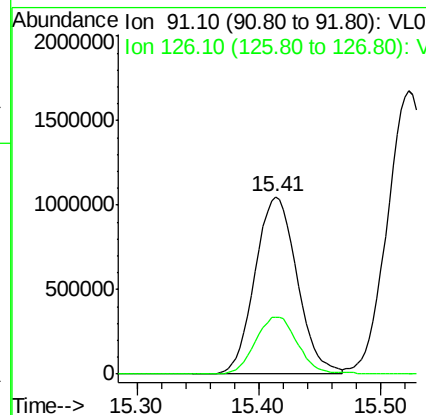
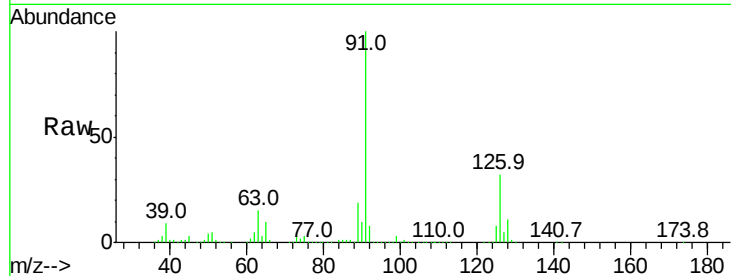
Acq: 14 Mar 2022 12:03

Tgt Ion: 91 Resp: 2516304

Ion Ratio Lower Upper

91 100

126 33.2 12.9 51.7



#72

4-Ethyltoluene

Concen: 9.25 ppbv

RT: 15.80 min Scan# 4048

Delta R.T. -0.02 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

Tgt Ion: 105 Resp: 2978560

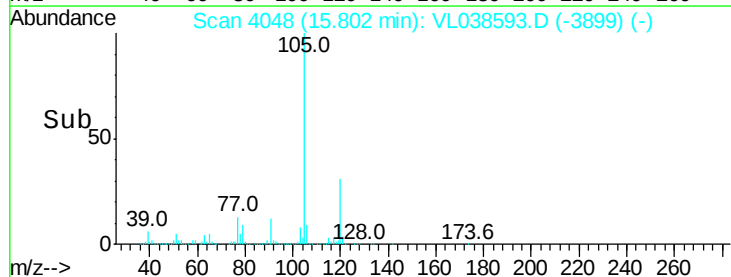
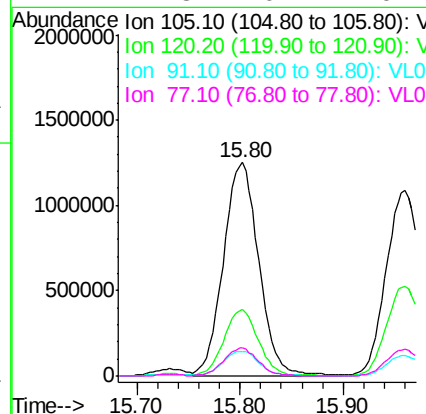
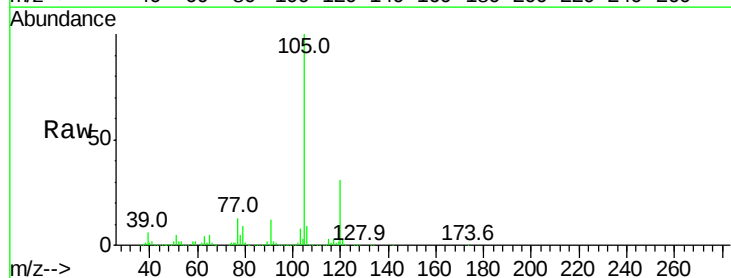
Ion Ratio Lower Upper

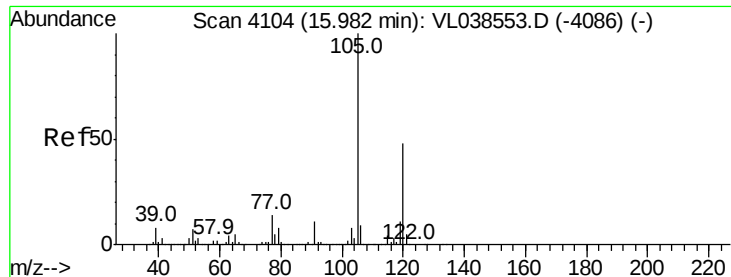
105 100

120 30.7 25.0 37.4

91 11.7 9.8 14.6

77 12.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 8.66 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

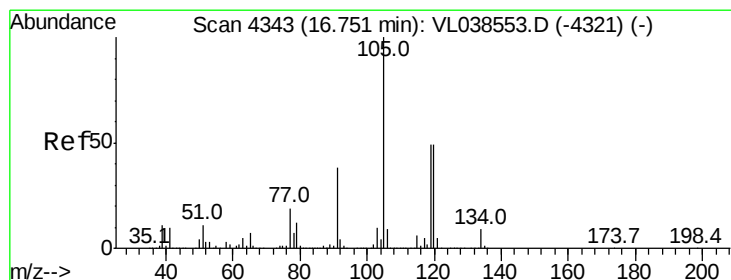
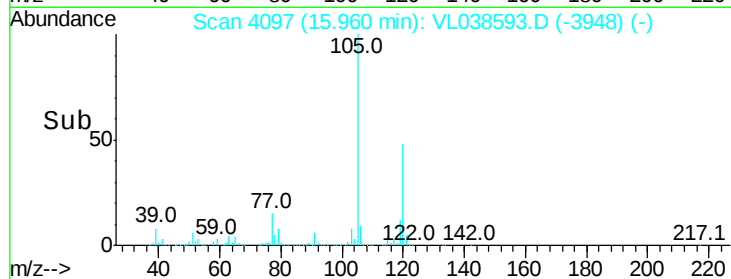
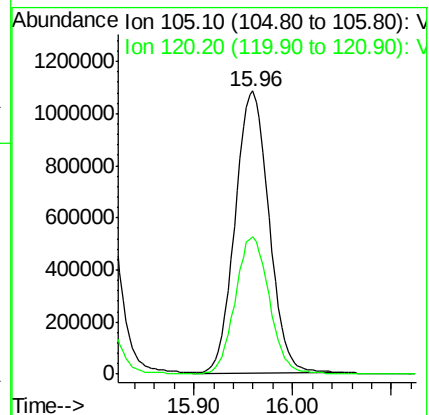
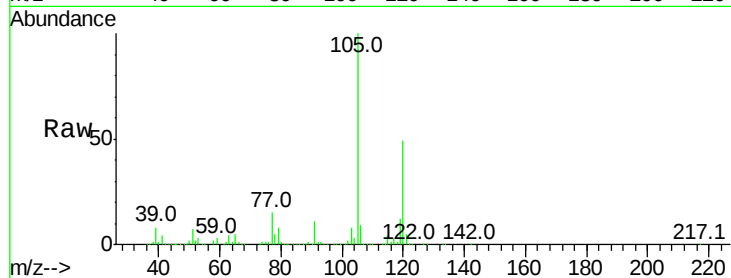
Acq: 14 Mar 2022 12:03

Tgt Ion:105 Resp: 2587090

Ion Ratio Lower Upper

105 100

120 48.6 38.3 57.5



#74

1,2,4-Trimethylbenzene

Concen: 8.40 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.03 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

Tgt Ion:105 Resp: 2682461

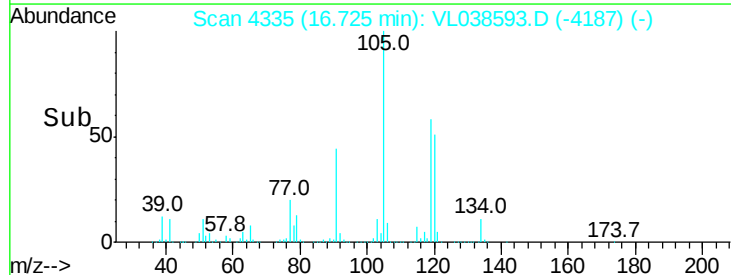
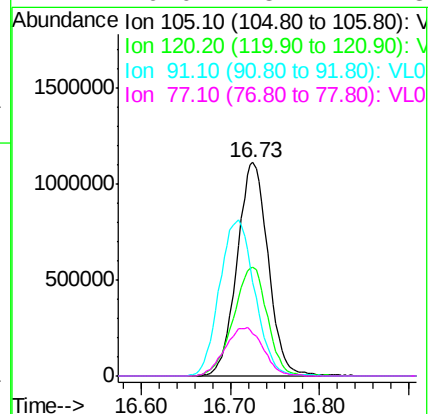
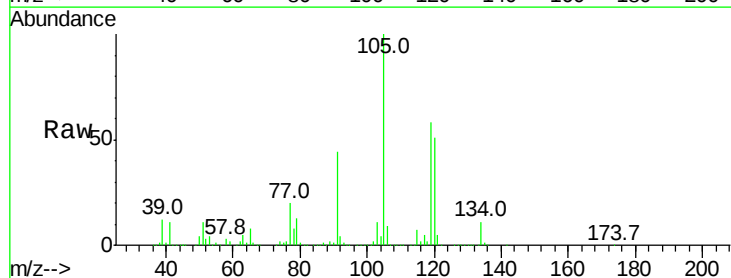
Ion Ratio Lower Upper

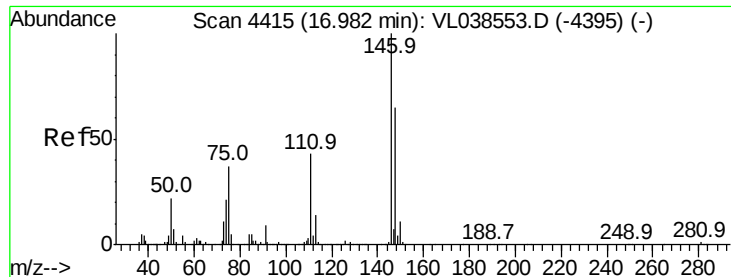
105 100

120 51.0 38.9 58.3

91 43.9 30.6 46.0

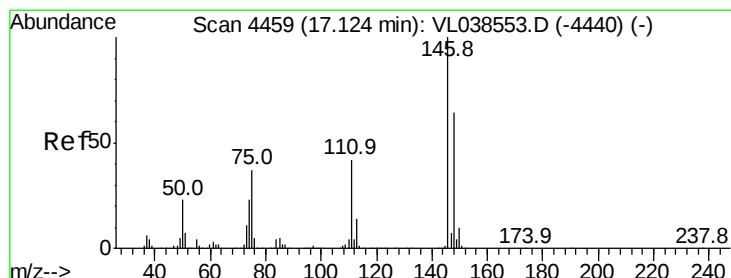
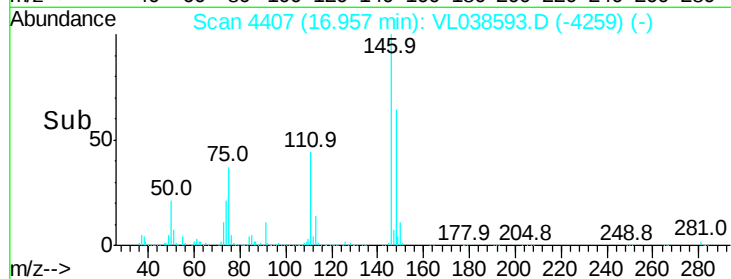
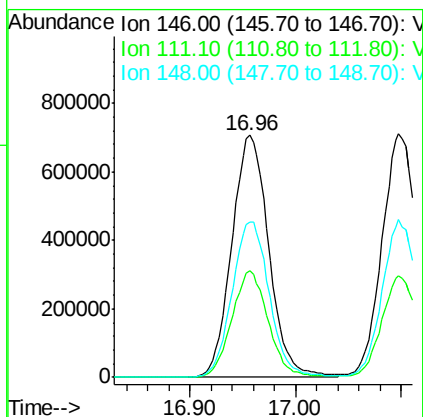
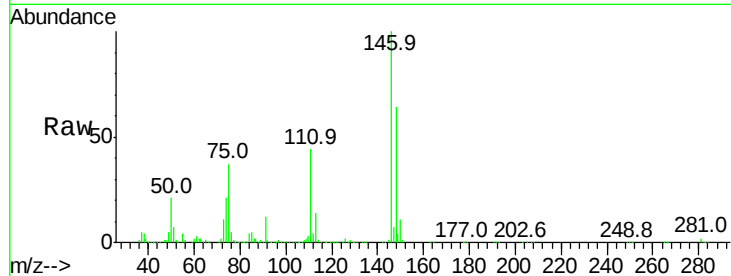
77 20.0 15.2 22.8





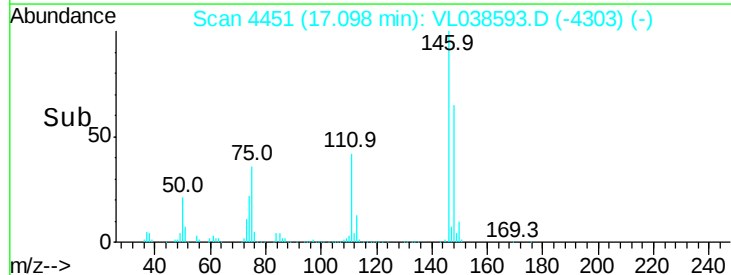
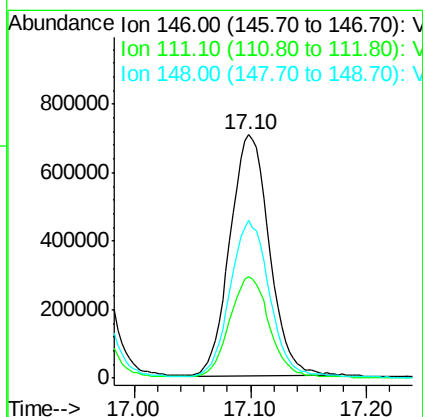
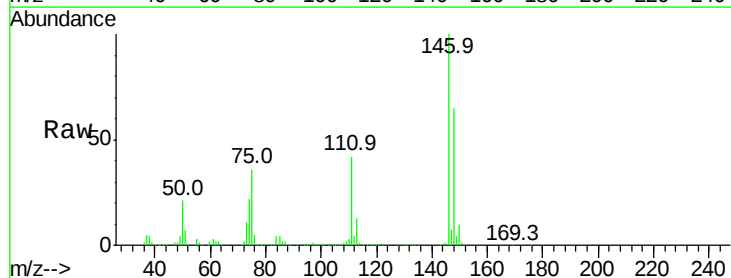
#75
 1,3-Dichlorobenzene
 Concen: 8.55 ppbv
 RT: 16.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 VL0314ABS01
 Acq: 14 Mar 2022 12:03

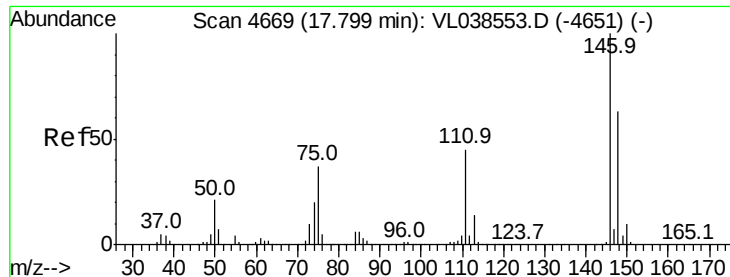
Tgt Ion:146 Resp: 1721845
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.9 65.8
 148 64.9 32.2 96.6



#76
 1,4-Dichlorobenzene
 Concen: 8.37 ppbv
 RT: 17.10 min Scan# 4451
 Delta R.T. -0.03 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

Tgt Ion:146 Resp: 1669901
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.8 65.3
 148 66.5 32.8 98.4

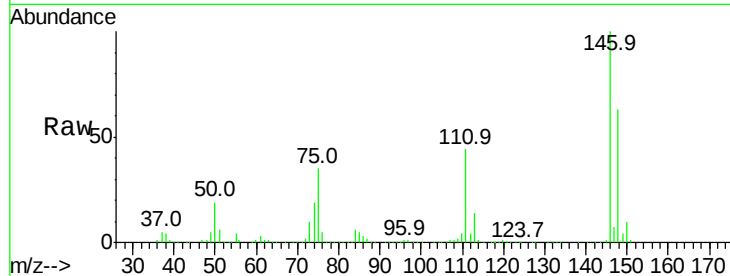




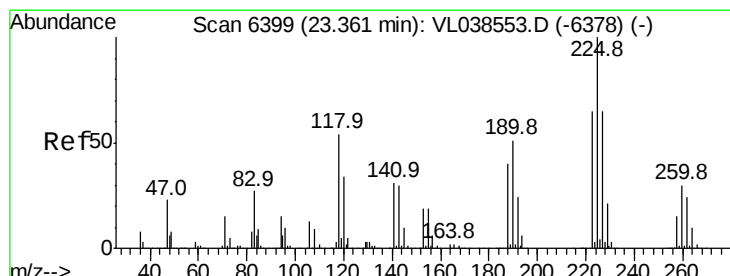
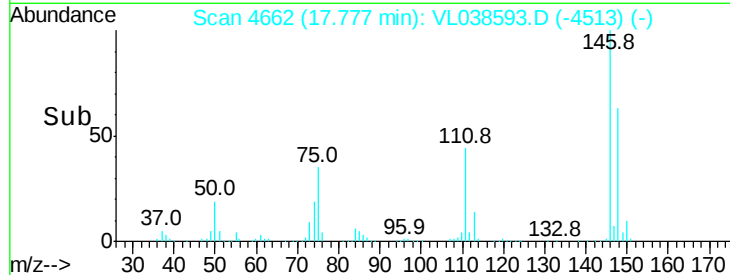
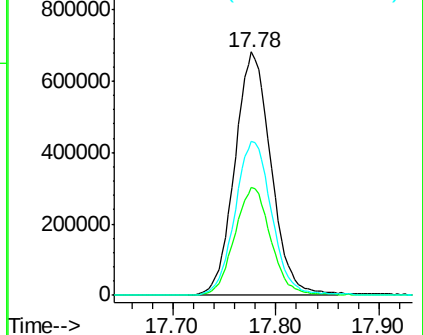
#77
 1,2-Dichlorobenzene
 Concen: 8.15 ppbv
 RT: 17.78 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0314ABS01
 Acq: 14 Mar 2022 12:03

Tgt Ion:146 Resp: 1659829

Ion	Ratio	Lower	Upper
146	100		
111	44.8	23.2	69.5
148	64.3	32.6	98.0



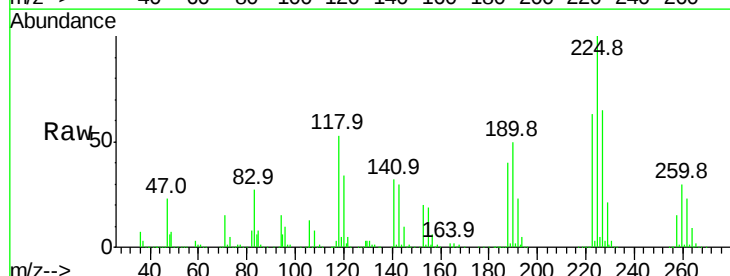
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



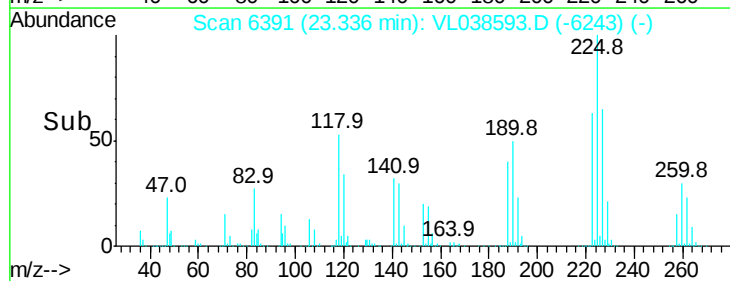
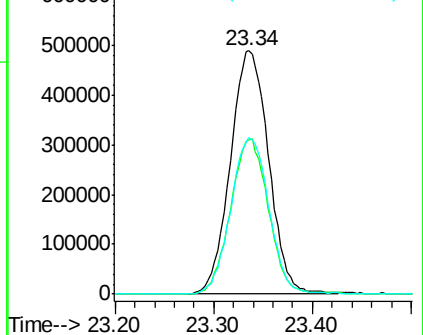
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.60 ppbv
 RT: 23.34 min Scan# 6391
 Delta R.T. -0.03 min
 Lab File: VL038593.D
 Acq: 14 Mar 2022 12:03

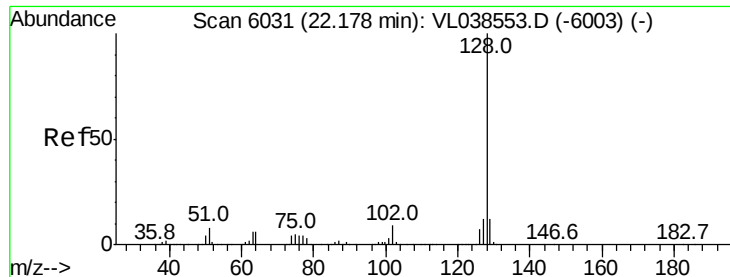
Tgt Ion:225 Resp: 1312188

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.4	77.0
227	65.0	51.9	77.9



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.67 ppbv

RT: 22.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 12:03

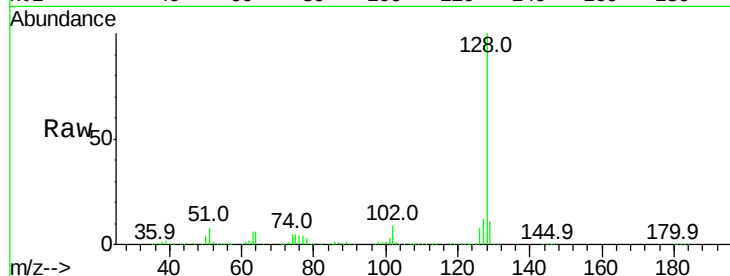
Tgt Ion:128 Resp: 2488669

Ion Ratio Lower Upper

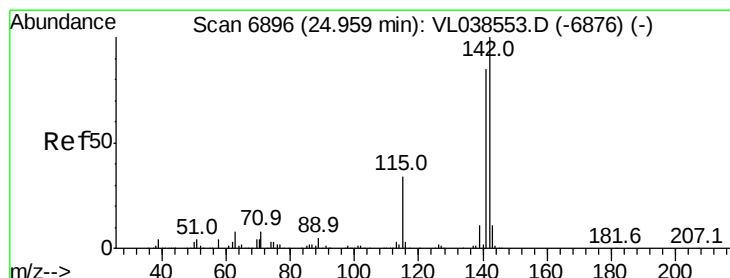
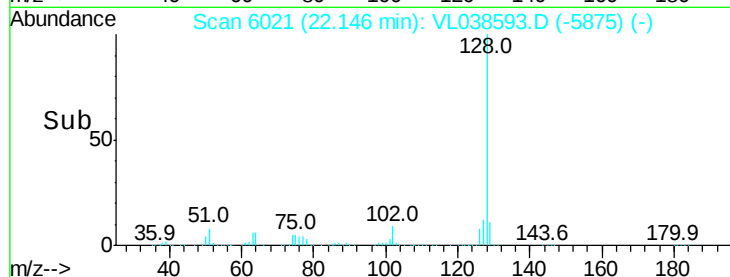
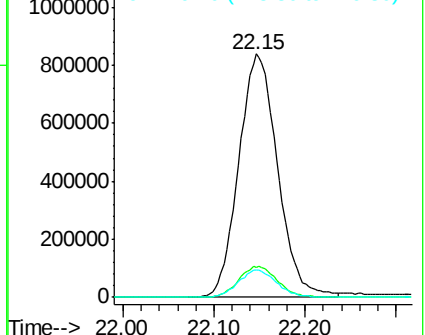
128 100

127 12.4 9.9 14.9

129 11.3 9.3 13.9



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: 11.81 ppbv

RT: 24.94 min Scan# 6890

Delta R.T. -0.02 min

Lab File: VL038593.D

Acq: 14 Mar 2022 12:03

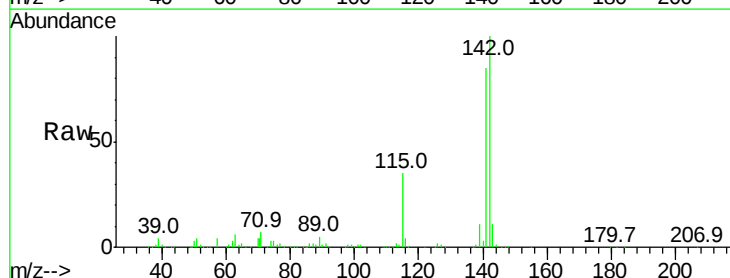
Tgt Ion:142 Resp: 598652

Ion Ratio Lower Upper

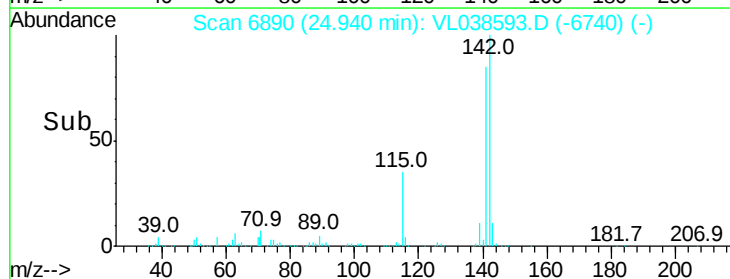
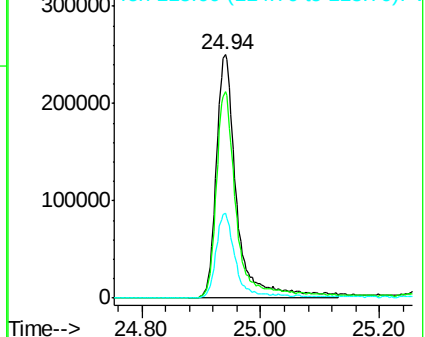
142 100

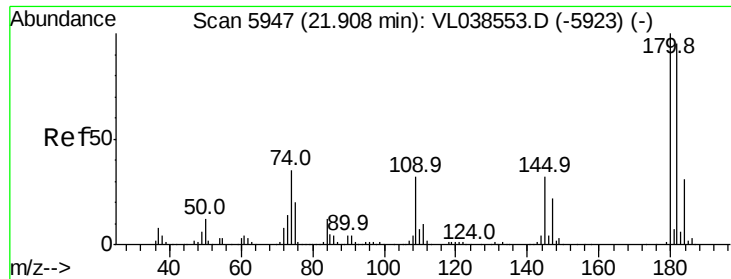
141 86.4 68.4 102.6

115 33.4 27.9 41.9



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: 7.58 ppbv

RT: 21.88

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Mar 2022 12:05

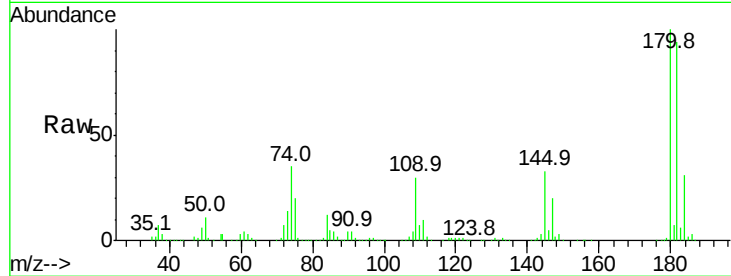
Tgt Ion:180 Resp: 1391315

Ion Ratio Lower Upper

180 100

182 97.9 79.1 118.7

184 30.8 25.0 37.6



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

