

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
 Data File : VL038682.D
 Acq On : 22 Mar 2022 12:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 23 04:11:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	866886	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2314984	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2724371	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1693416	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1008346	8.65	ppbv	99
3) Chlorodifluoromethane	2.98	51	916028	10.01	ppbv	100
4) Chloromethane	3.13	50	502319	9.99	ppbv	96
5) Vinyl Chloride	3.25	62	492080	9.63	ppbv	100
6) Bromomethane	3.47	94	279008	10.25	ppbv	97
7) Chloroethane	3.55	64	168401	9.96	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1145152	9.84	ppbv	98
9) Propene	3.01	41	442438	10.01	ppbv	100
10) Heptane	8.10	43	1144836	10.83	ppbv	100
11) Trichlorofluoromethane	3.94	101	1047851	10.19	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	804830	10.17	ppbv	100
13) Ethanol	3.60	45	13719	2.81	ppbv #	37
14) Bromoethene	3.73	108	364293	10.35	ppbv	98
15) Acetone	3.84	43	728731	9.74	ppbv	100
16) 1,3-Butadiene	3.32	39	445774	10.50	ppbv	98
17) tert-Butyl alcohol	4.27	59	730925	11.19	ppbv	100
18) 1,1-Dichloroethene	4.28	96	366028	10.29	ppbv	98
19) Isopropyl Alcohol	3.95	45	428547	10.33	ppbv	100
20) Methylene Chloride	4.33	84	298159	9.46	ppbv	96
21) Allyl Chloride	4.40	41	543954	10.10	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	395393	10.72	ppbv	95
23) Vinyl Acetate	5.06	43	782115	10.80	ppbv	99
24) 1,1-Dichloroethane	5.00	63	730305	10.24	ppbv	99
25) Ethyl Acetate	5.66	43	1971031	10.47	ppbv	99
26) Hexane	5.67	57	860496	10.21	ppbv	99
27) Carbon Disulfide	4.54	76	925683	11.19	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	657338	10.47	ppbv	99
29) Chloroform	5.74	83	1373469	10.18	ppbv	98
30) Cyclohexane	7.11	84	740684	10.10	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	848875	10.71	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	1339497	10.28	ppbv	99
34) 2-Butanone	5.23	43	854195	9.32	ppbv	99
35) Carbon Tetrachloride	7.00	117	1394866	10.38	ppbv	99
36) Benzene	6.88	78	1844885	10.33	ppbv	99
37) 1,2-Dichloroethane	6.29	62	945697	10.41	ppbv	100
38) Trichloroethene	7.82	130	779490	10.41	ppbv	98
39) 1,2-Dichloropropane	7.60	63	714322	10.23	ppbv	99
40) 1,4-Dioxane	7.81	88	241964	9.98	ppbv #	1
41) Tetrahydrofuran	6.03	42	743080	10.90	ppbv	99
42) Bromodichloromethane	7.77	83	1465868	10.76	ppbv	99
43) Methyl Methacrylate	8.00	69	747408	11.27	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3040767	10.14	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	822371	12.19	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1050444	11.52	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	759103	10.18	ppbv	99
48) Dibromochloromethane	10.28	129	1304812	11.17	ppbv	99
49) Bromoform	13.02	173	1079525	11.34	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1843908	10.82	ppbv	100
51) 2-Hexanone	10.11	43	1459946	11.93	ppbv	99
52) Tetrachloroethene	11.20	164	668213	10.22	ppbv	95
53) Toluene	9.79	91	2107283	10.98	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1127312	11.07	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	904462	8.01	ppbv	99
57) Chlorobenzene	12.13	112	1551322	7.90	ppbv	98
58) Ethyl Benzene	12.69	91	2742122	8.61	ppbv	99
59) m/p-Xylene	12.98	91	2334023	8.38	ppbv #	32
60) o-Xylene	13.67	91	2190337	8.28	ppbv	100
61) Styrene	13.51	104	1324333	9.23	ppbv	98
62) Isopropylbenzene	14.64	105	3256758	8.19	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1471469	7.18	ppbv	99
64) n-propylbenzene	15.54	120	863771	8.28	ppbv	96
65) tert-Butylbenzene	16.73	119	2842344	7.95	ppbv	99
66) Benzyl Chloride	16.97	91	696683	10.30	ppbv	99
67) sec-Butylbenzene	17.27	105	4117739	8.06	ppbv	100
69) p-Isopropyltoluene	17.63	119	3451590	8.28	ppbv	100
70) n-Butylbenzene	18.53	91	3607050	8.38	ppbv	100
71) 2-Chlorotoluene	15.43	91	2409071	8.16	ppbv	99
72) 4-Ethyltoluene	15.82	105	2645804	8.47	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	2360343	8.30	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2523019	8.14	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	1578746	8.00	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1538148	7.83	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1546961	7.91	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1256185	6.95	ppbv	99
79) Naphthalene	22.17	128	2383969	10.07	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	649180	10.22	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1361907	8.40	ppbv	100

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

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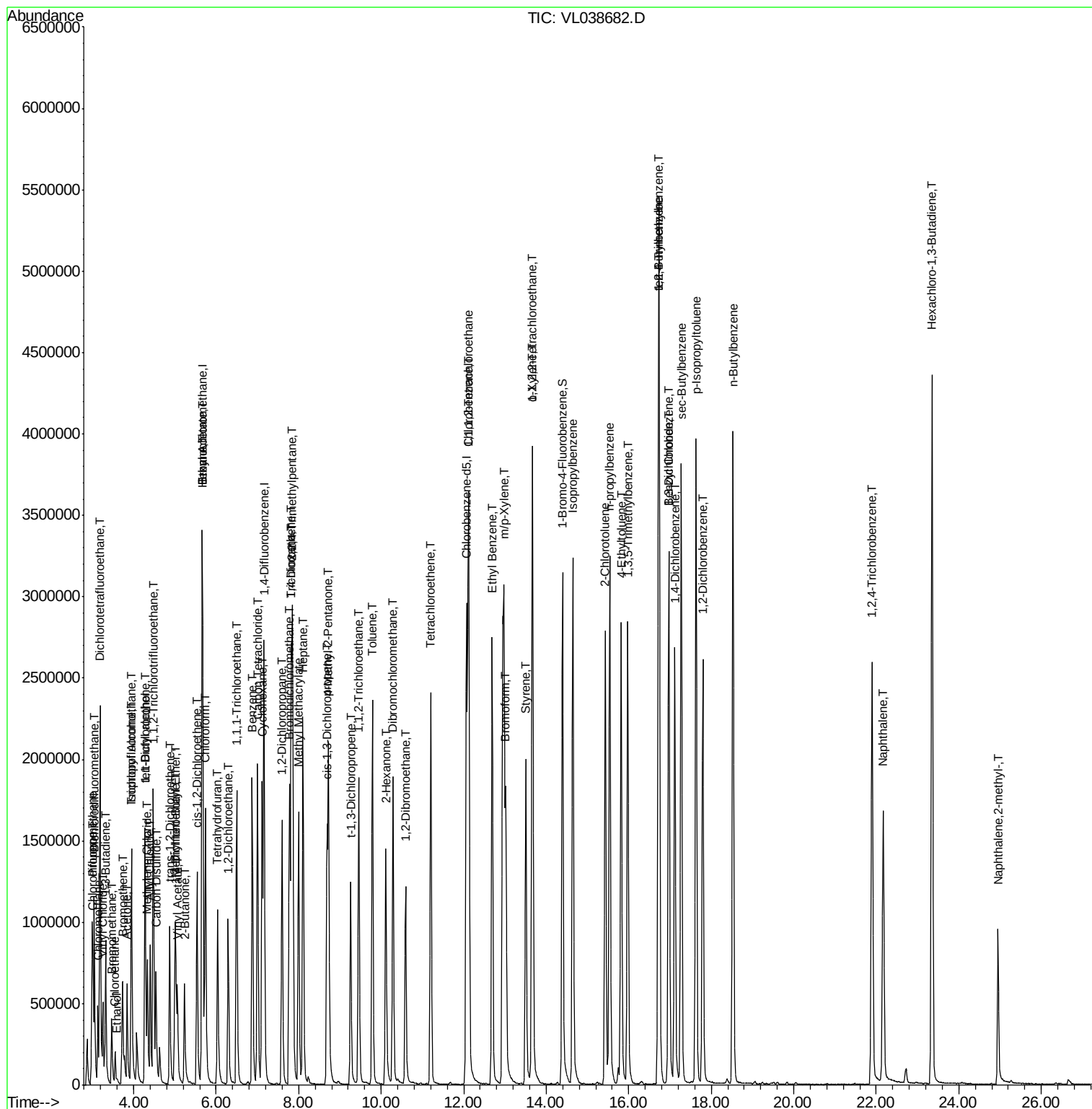
Quant Time: Mar 23 04:11:52 2022

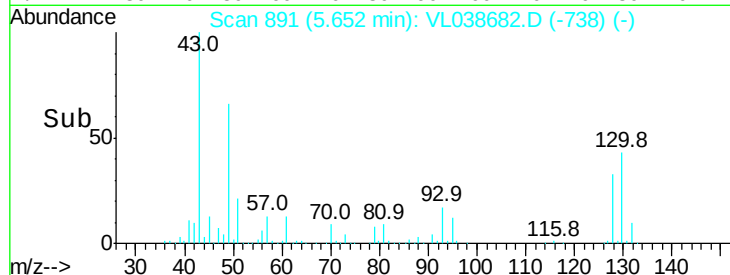
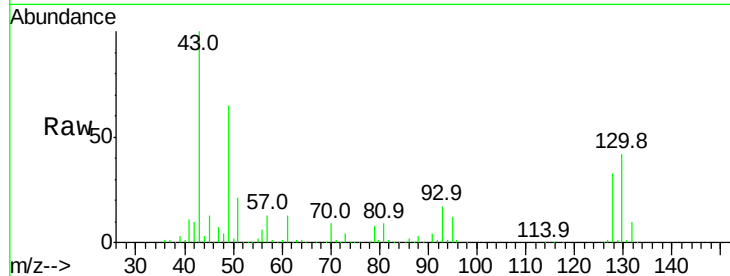
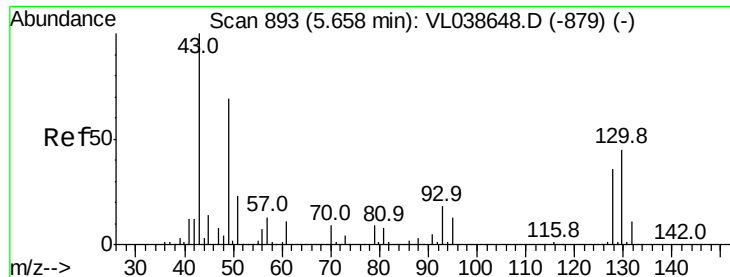
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 22 Mar 2022 12:29

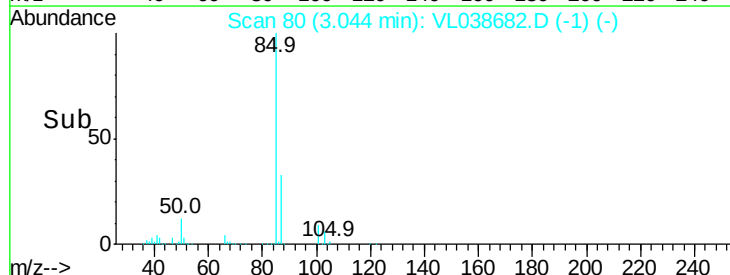
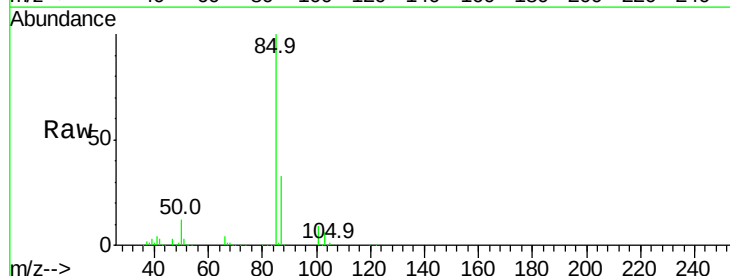
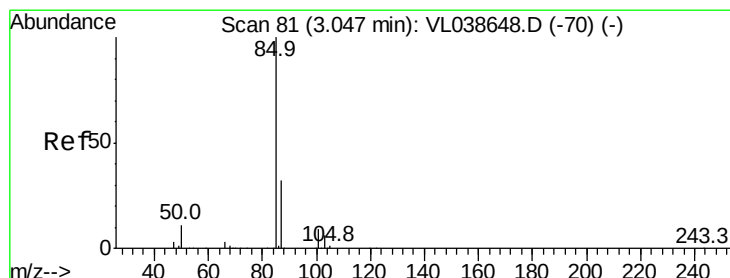
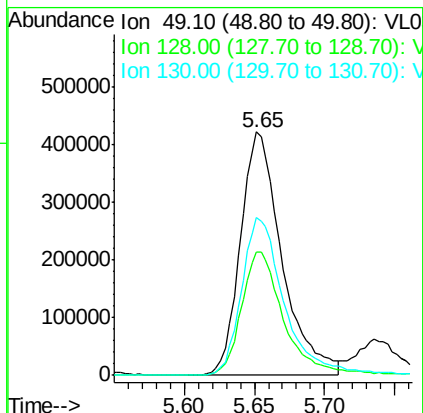
Tgt Ion: 49 Resp: 866886

Ion Ratio Lower Upper

49 100

128 52.9 26.2 78.6

130 68.6 33.7 101.1



#2

Dichlorodifluoromethane

Concen: 8.65 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038682.D

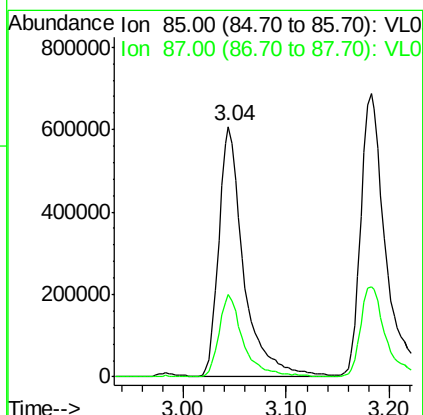
Acq: 22 Mar 2022 12:29

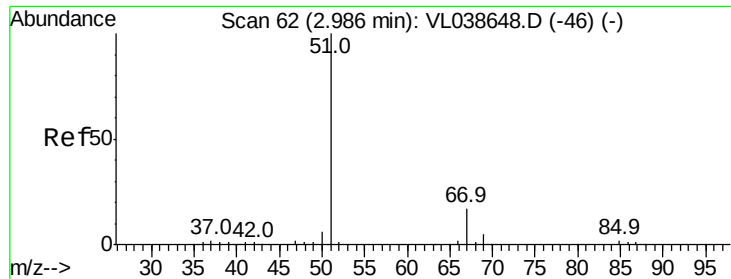
Tgt Ion: 85 Resp: 1008346

Ion Ratio Lower Upper

85 100

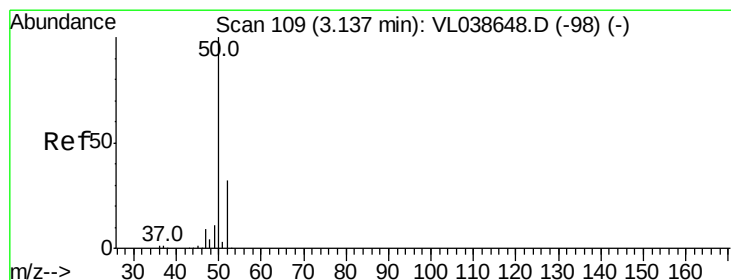
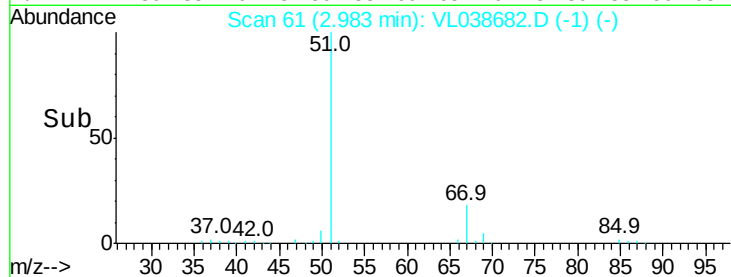
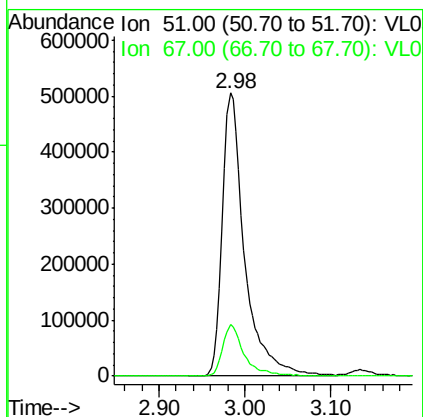
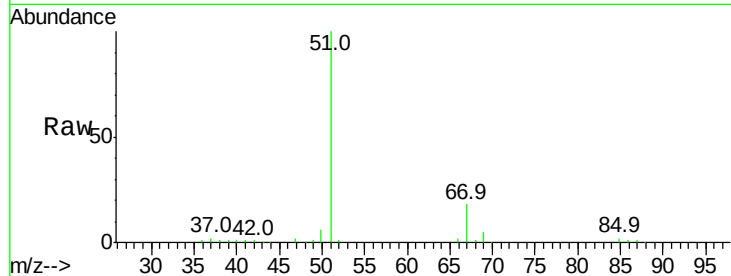
87 32.9 26.0 39.0





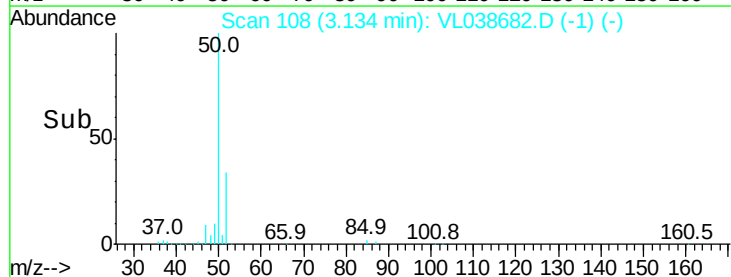
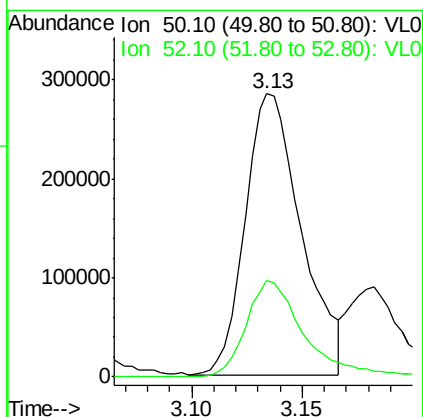
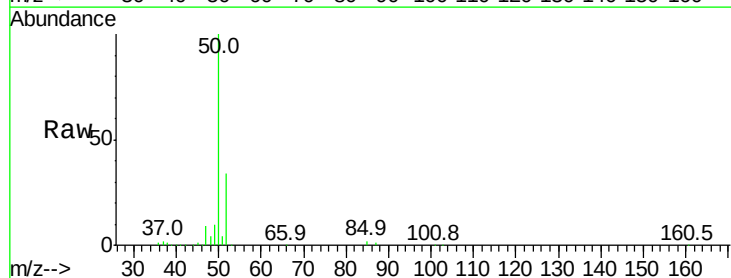
#3
 Chlorodifluoromethane
 Concen: 10.01 ppbv
 RT: 2.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

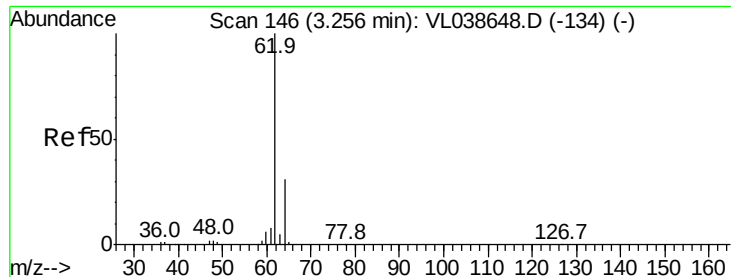
Tgt Ion: 51 Resp: 916028
 Ion Ratio Lower Upper
 51 100
 67 17.8 14.1 21.1



#4
 Chloromethane
 Concen: 9.99 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T.: -0.00 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 50 Resp: 502319
 Ion Ratio Lower Upper
 50 100
 52 34.4 25.5 38.3





#5

Vinyl Chloride

Concen: 9.63 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

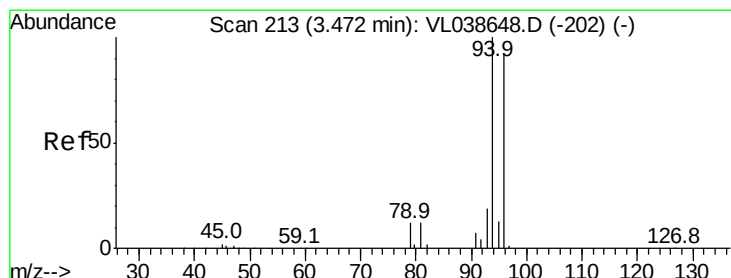
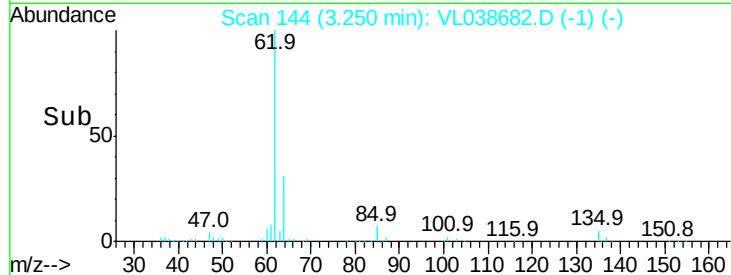
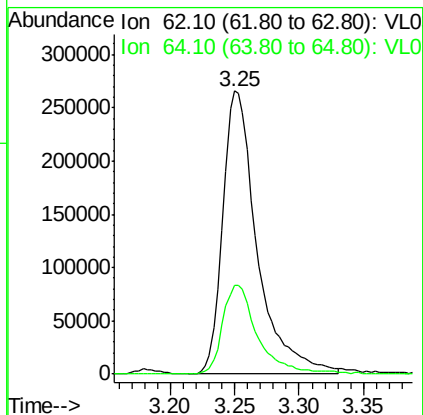
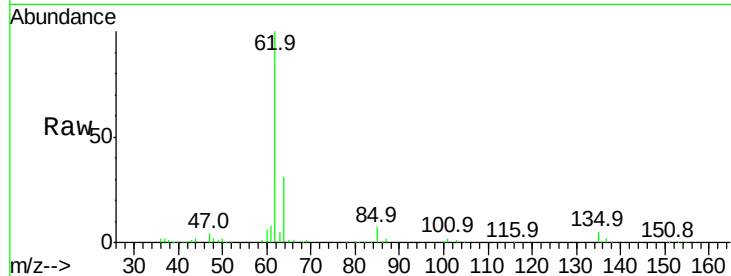
Acq: 22 Mar 2022 12:29

Tgt Ion: 62 Resp: 492080

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4



#6

Bromomethane

Concen: 10.25 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL038682.D

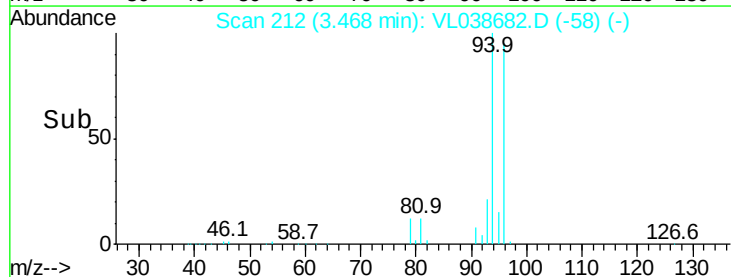
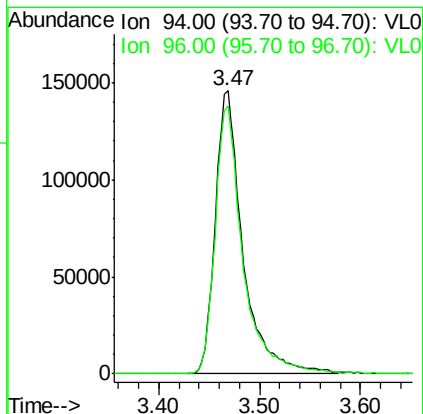
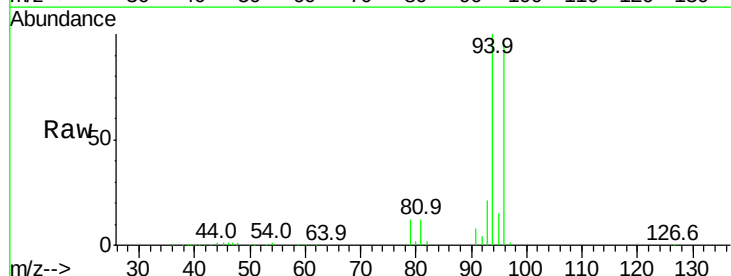
Acq: 22 Mar 2022 12:29

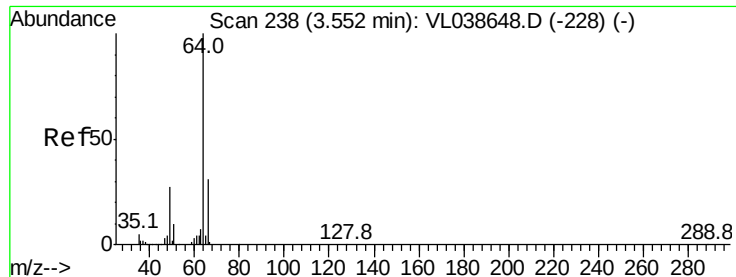
Tgt Ion: 94 Resp: 279008

Ion Ratio Lower Upper

94 100

96 94.6 73.3 109.9





#7

Chloroethane

Concen: 9.96 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

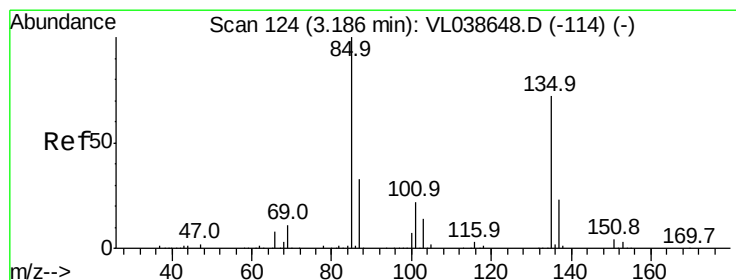
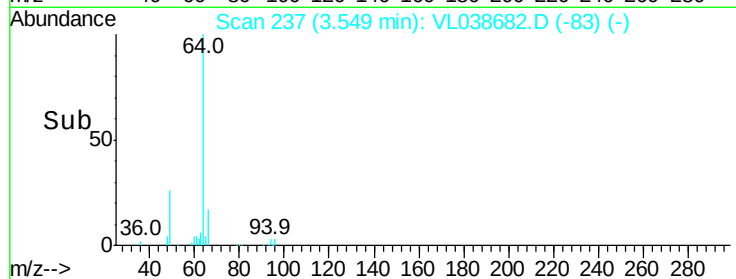
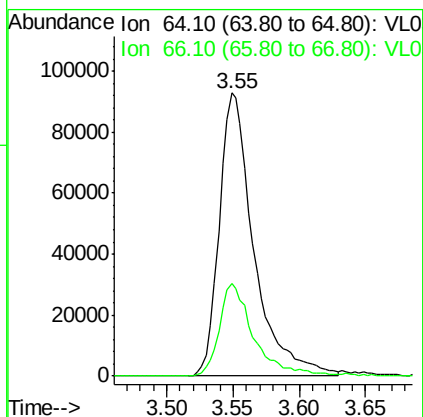
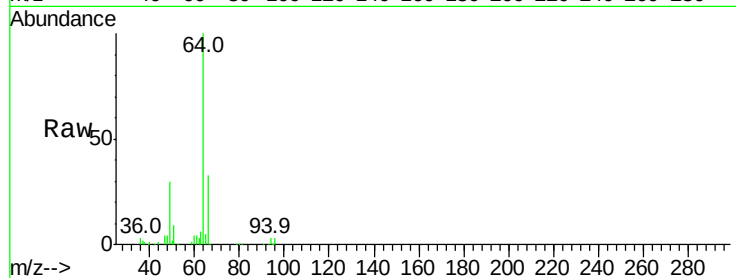
Acq: 22 Mar 2022 12:29

Tgt Ion: 64 Resp: 168401

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 9.84 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL038682.D

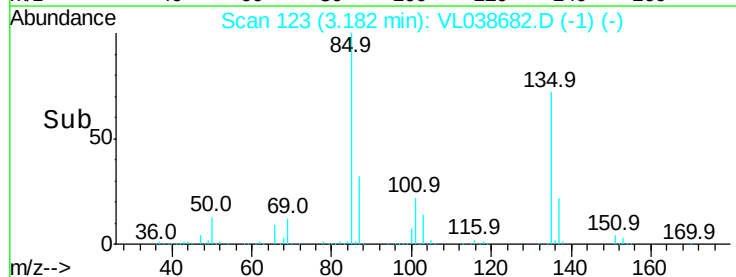
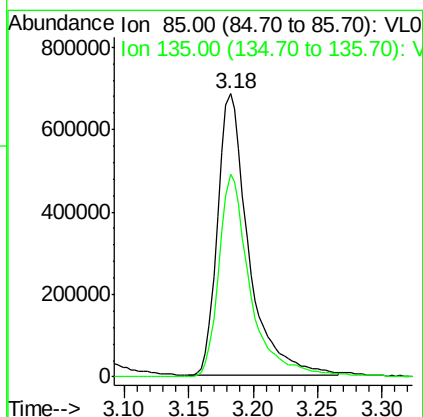
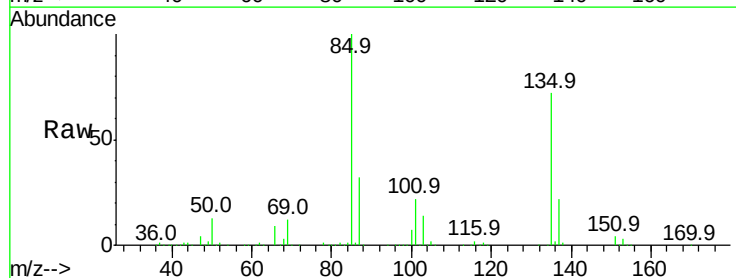
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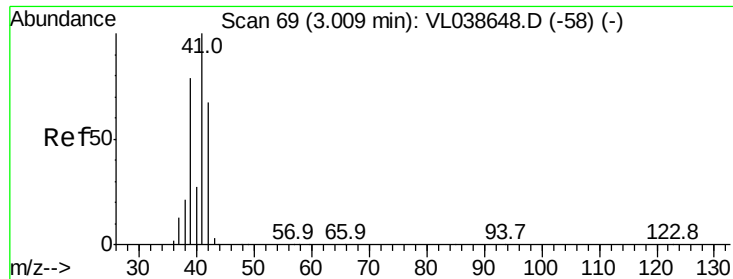
Tgt Ion: 85 Resp: 1145152

Ion Ratio Lower Upper

85 100

135 73.7 57.8 86.6





#9

Propene

Concen: 10.01 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

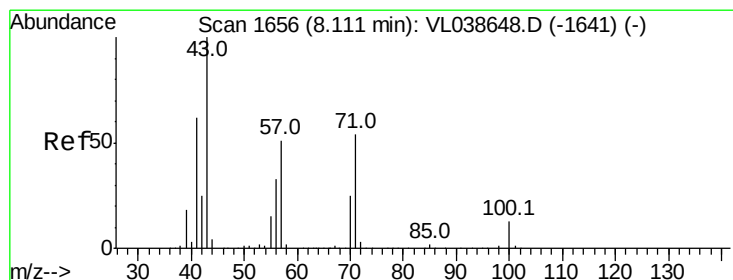
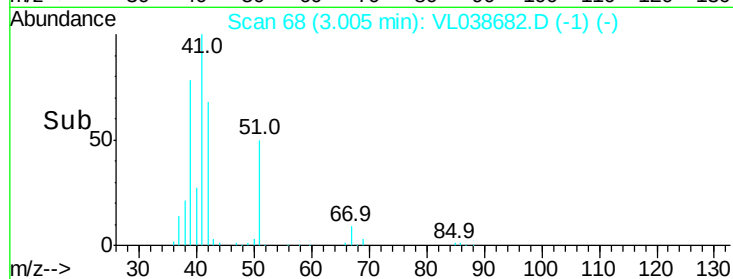
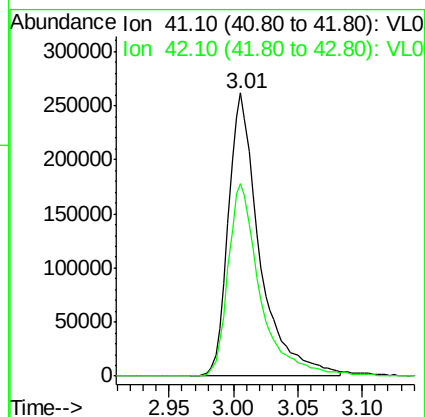
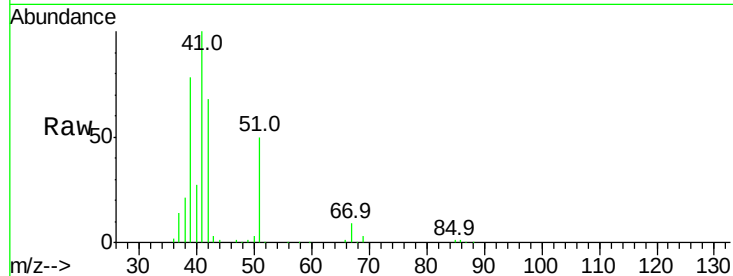
Acq: 22 Mar 2022 12:29

Tgt Ion: 41 Resp: 442438

Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.4



#10

Heptane

Concen: 10.83 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL038682.D

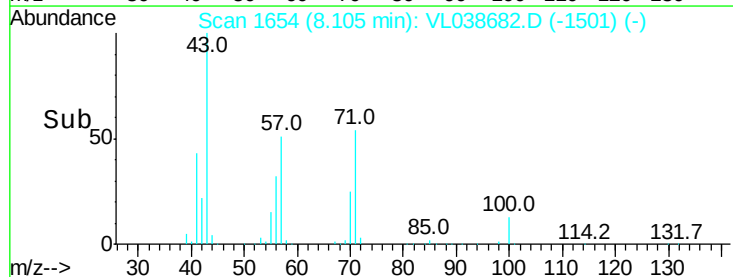
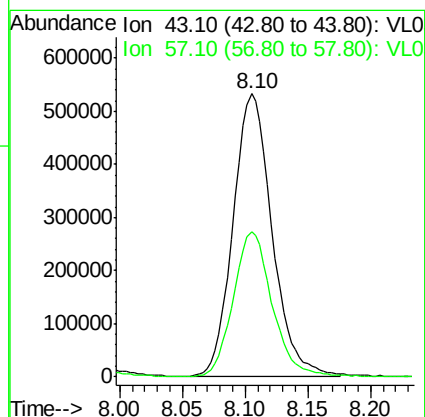
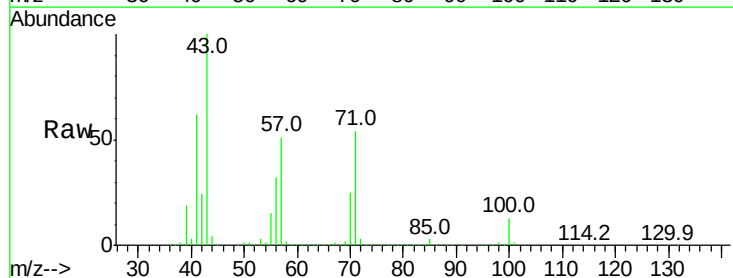
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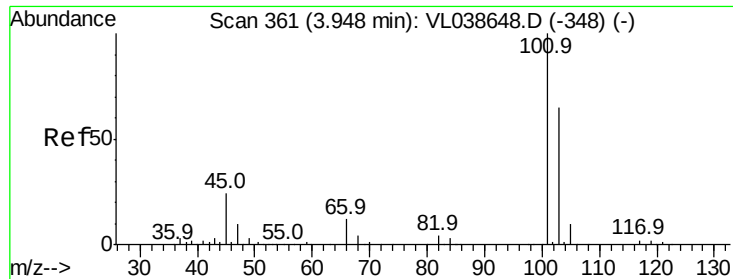
Tgt Ion: 43 Resp: 1144836

Ion Ratio Lower Upper

43 100

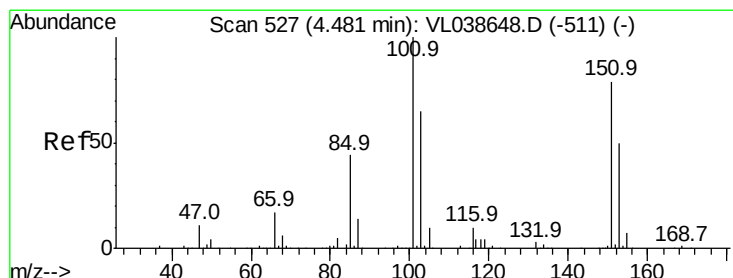
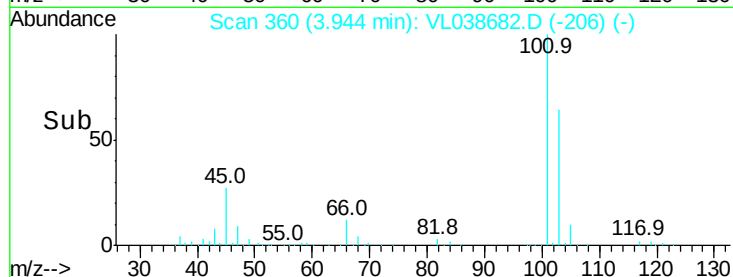
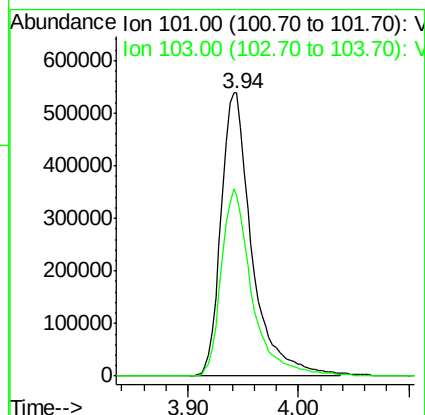
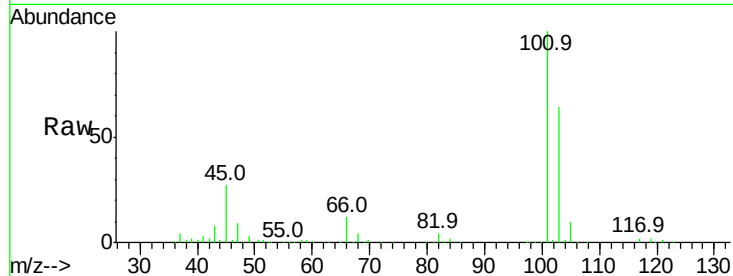
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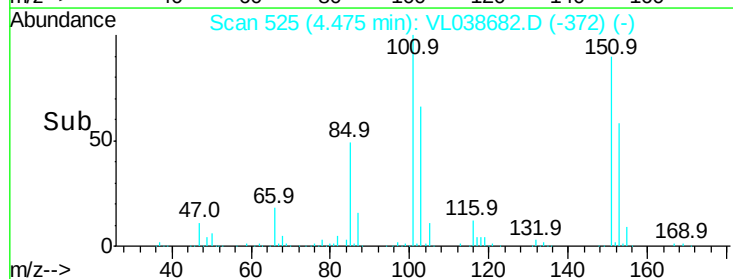
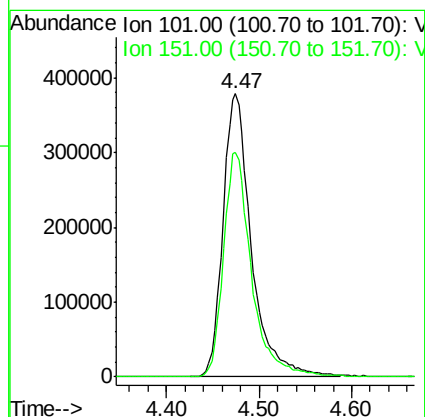
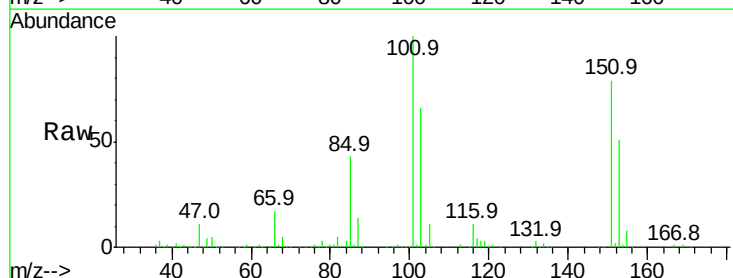
#11
 Trichlorofluoromethane
 Concen: 10.19 ppbv
 RT: 3.94 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 12:29

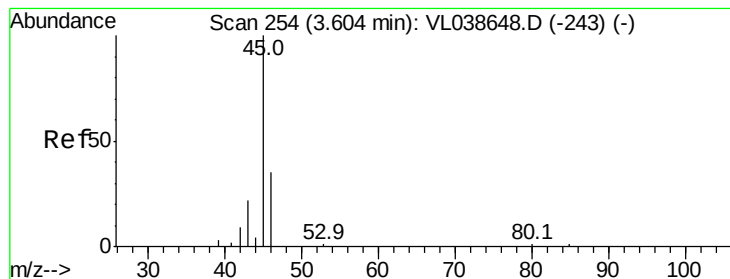
Tgt Ion:101 Resp: 1047851
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.17 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion:101 Resp: 804830
 Ion Ratio Lower Upper
 101 100
 151 78.8 62.9 94.3





#13

Ethanol

Concen: 2.81 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

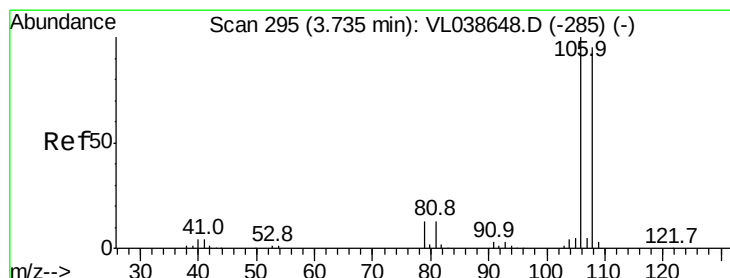
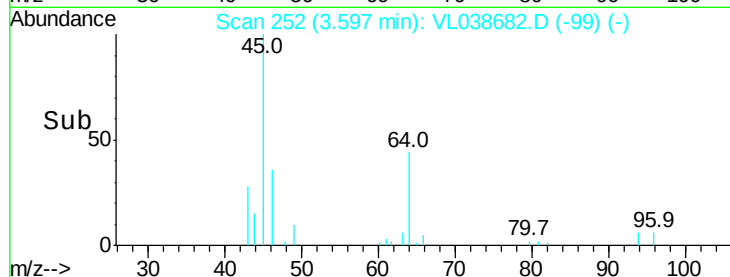
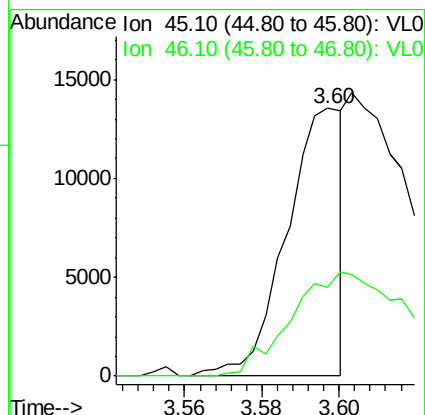
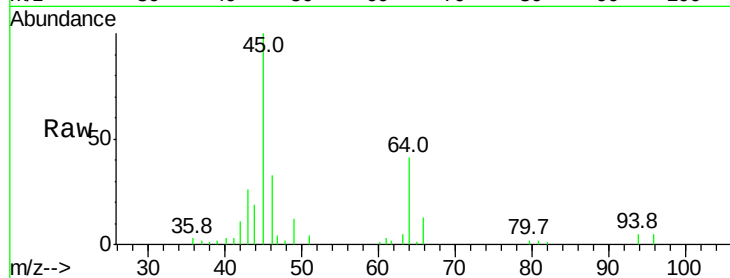
Acq: 22 Mar 2022 12:29 VSTDCCC010

Tgt Ion: 45 Resp: 13719

Ion Ratio Lower Upper

45 100

46 0.0 15.1 60.5#



#14

Bromoethene

Concen: 10.35 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

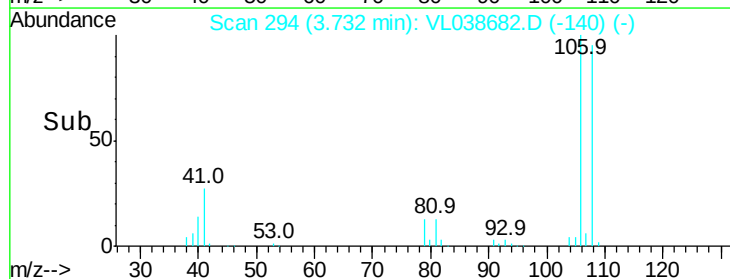
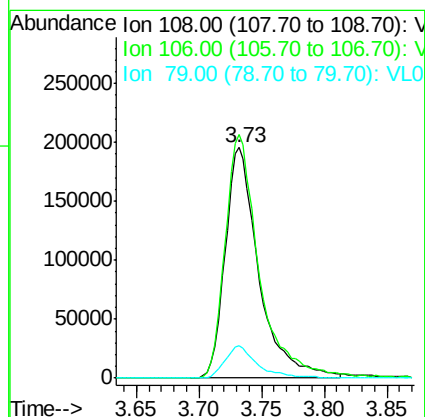
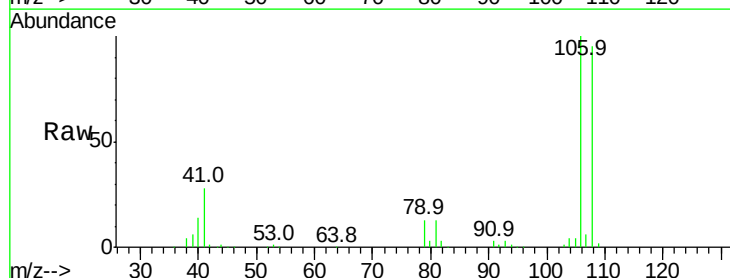
Tgt Ion: 108 Resp: 364293

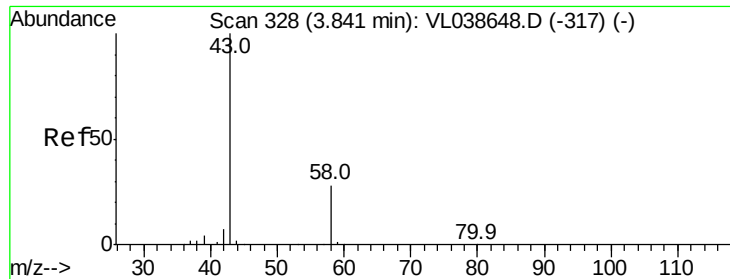
Ion Ratio Lower Upper

108 100

106 108.2 88.3 132.5

79 14.4 11.2 16.8





#15

Acetone

Concen: 9.74 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

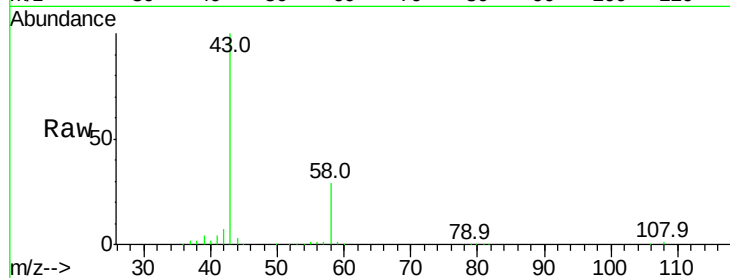
Acq: 22 Mar 2022 12:29 VSTDCCC010

Tgt Ion: 43 Resp: 728731

Ion Ratio Lower Upper

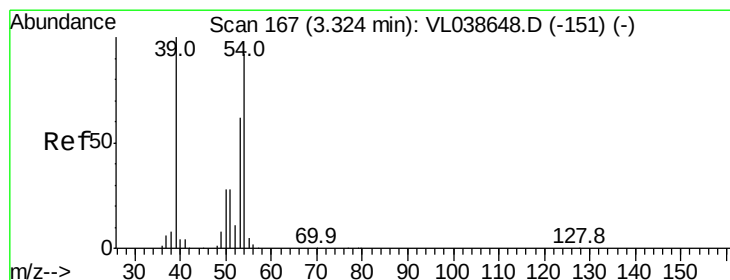
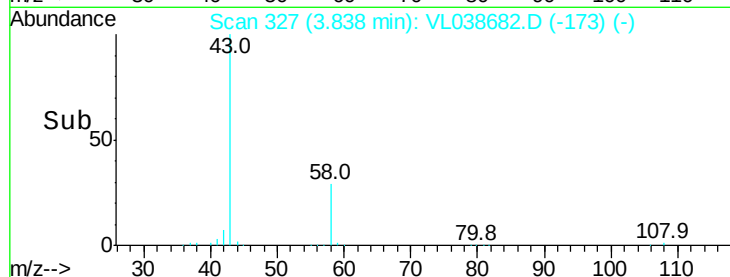
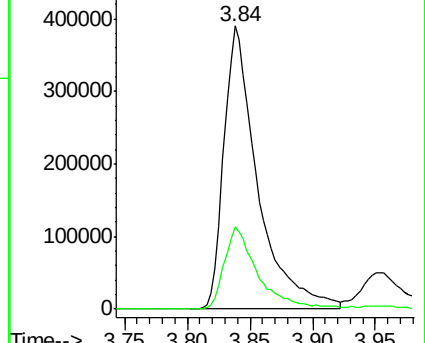
43 100

58 29.0 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.50 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL038682.D

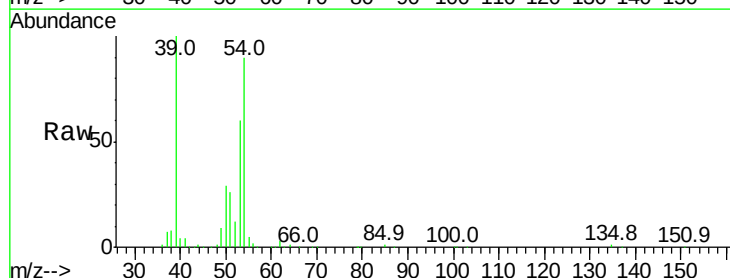
Acq: 22 Mar 2022 12:29

Tgt Ion: 39 Resp: 445774

Ion Ratio Lower Upper

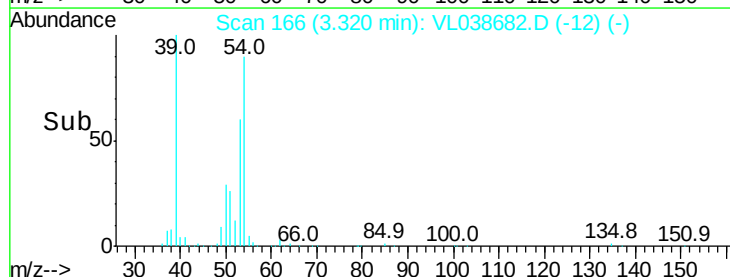
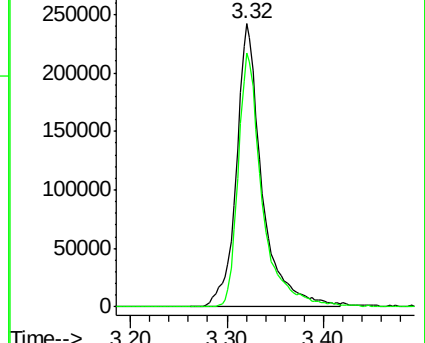
39 100

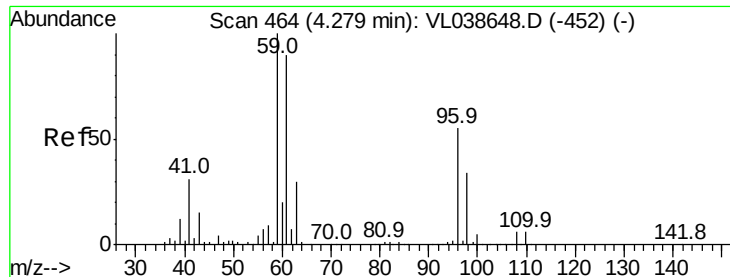
54 84.9 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.19 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

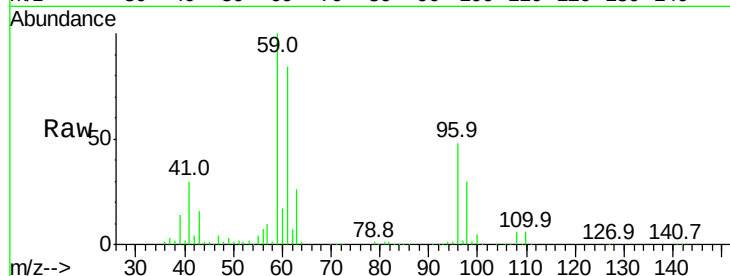
Acq: 22 Mar 2022 12:29 VSTDCCC010

Tgt Ion: 59 Resp: 730925

Ion Ratio Lower Upper

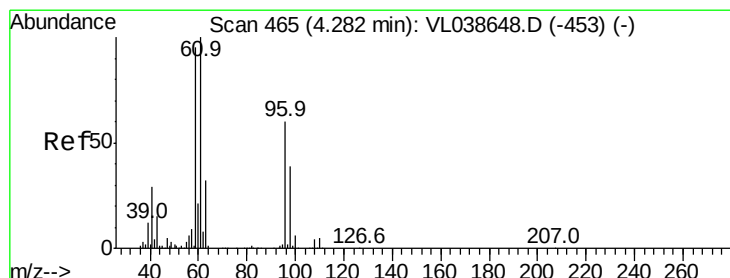
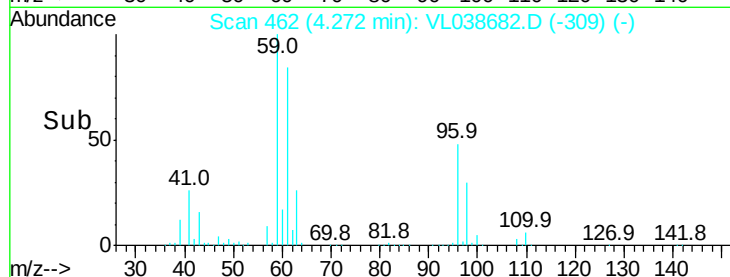
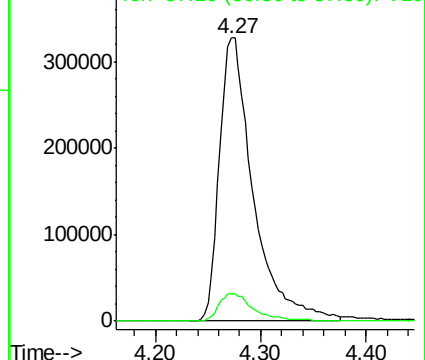
59 100

57 10.2 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.29 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

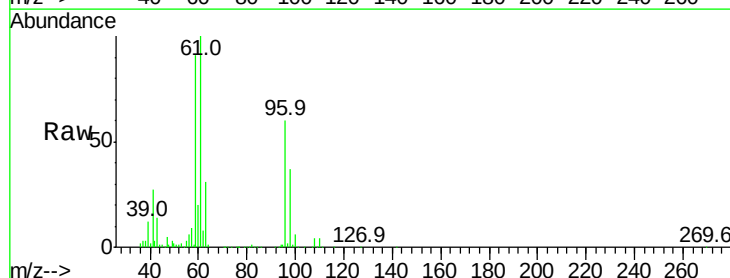
Tgt Ion: 96 Resp: 366028

Ion Ratio Lower Upper

96 100

61 166.7 132.4 198.6

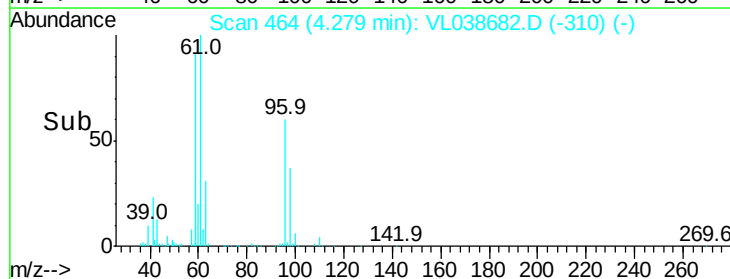
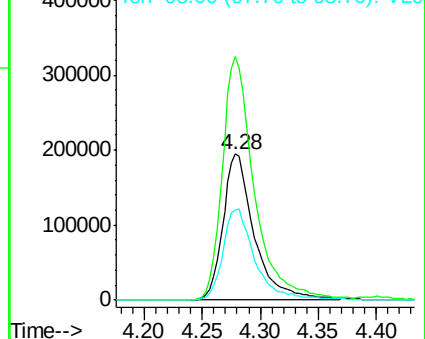
98 61.5 51.6 77.4

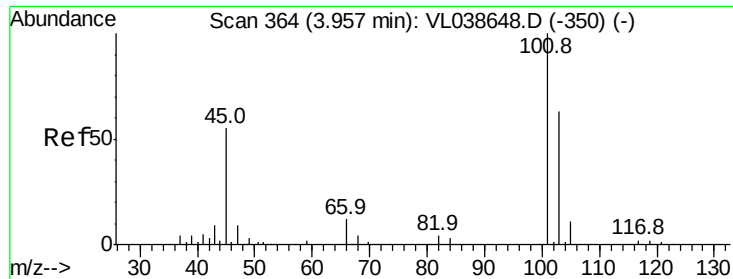


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.33 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

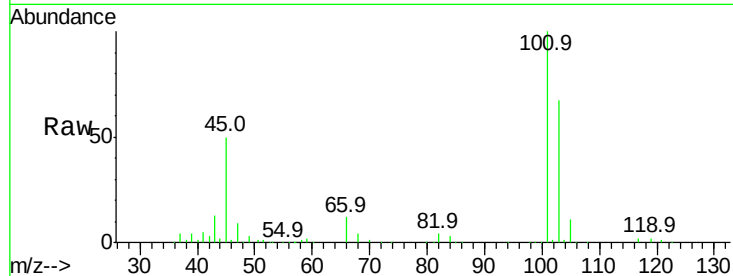
Acq: 22 Mar 2022 12:29

Tgt Ion: 45 Resp: 428547

Ion Ratio Lower Upper

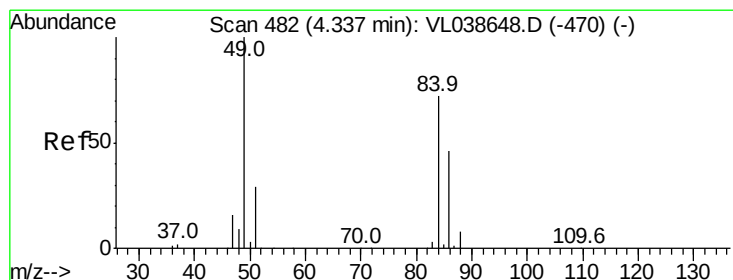
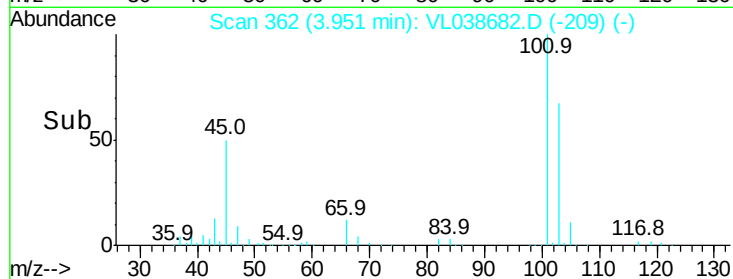
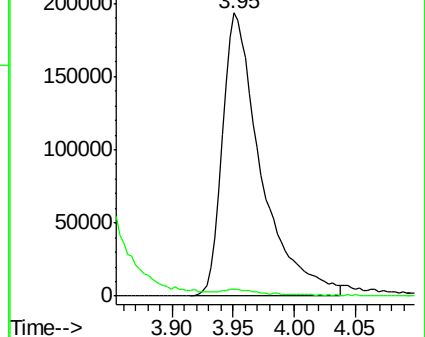
45 100

58 2.8 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.46 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

Tgt Ion: 84 Resp: 298159

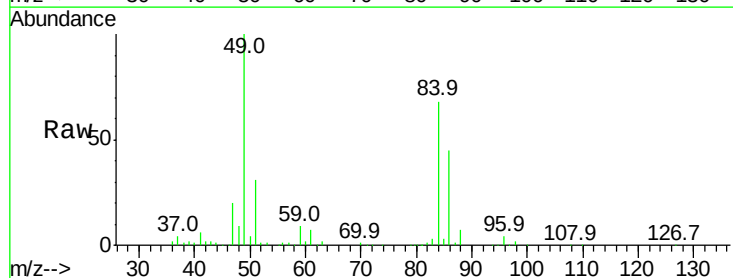
Ion Ratio Lower Upper

84 100

49 144.5 111.2 166.8

51 44.5 32.8 49.2

86 66.2 51.4 77.0

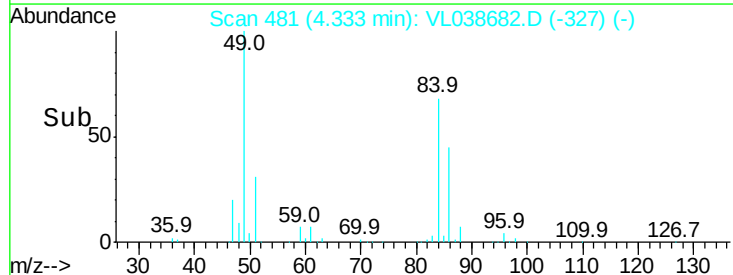
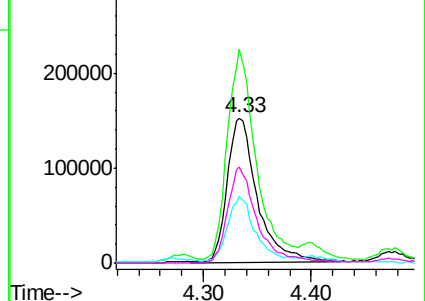


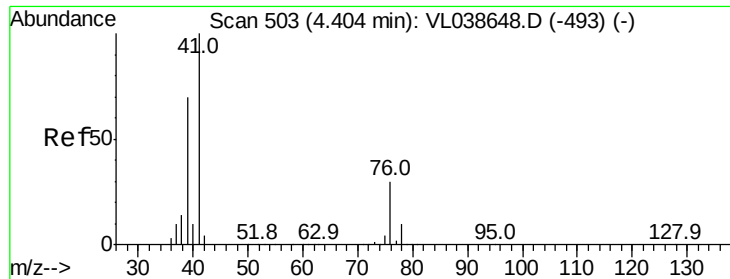
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

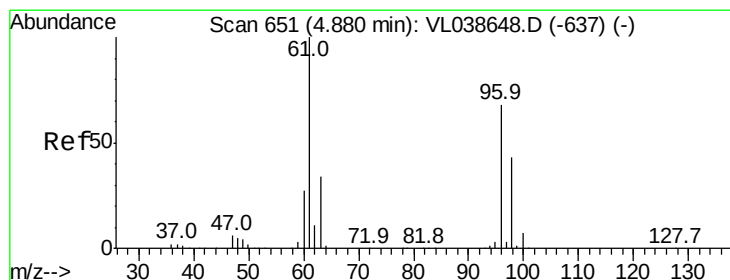
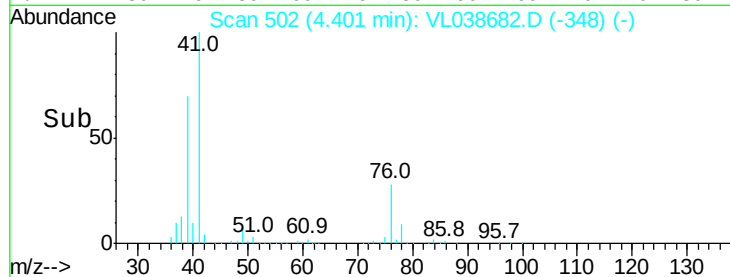
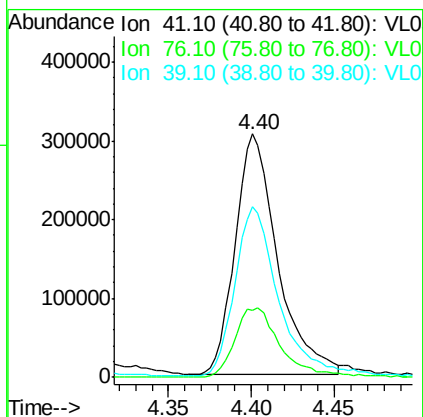
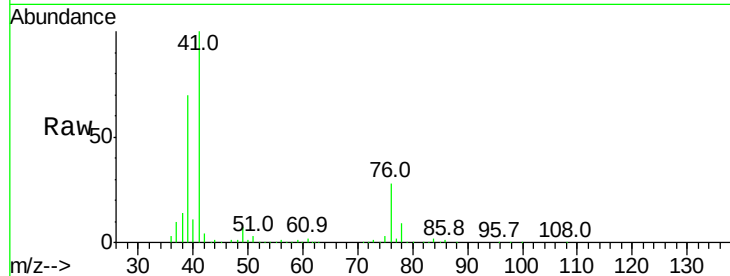
Ion 86.00 (85.70 to 86.70): VL0





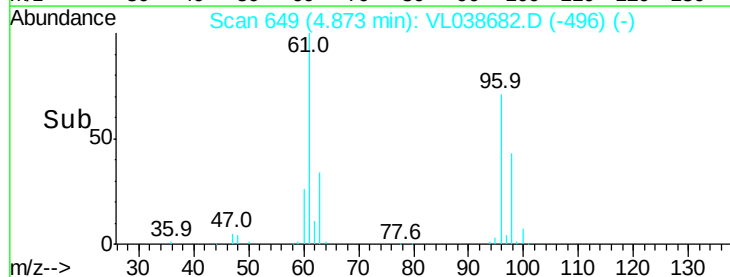
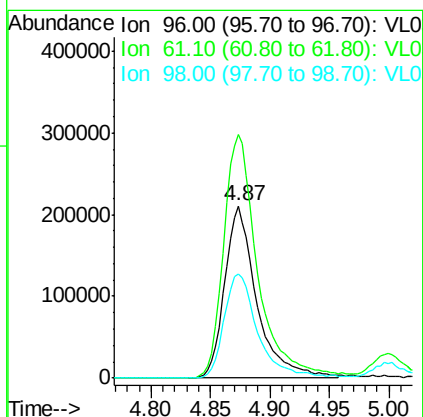
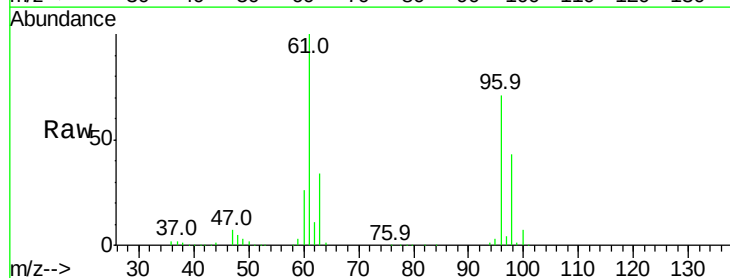
#21
 Allyl Chloride
 Concen: 10.10 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

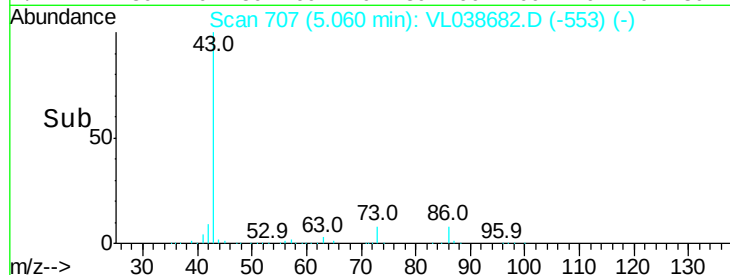
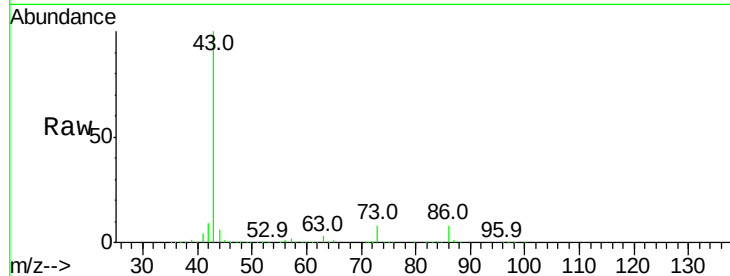
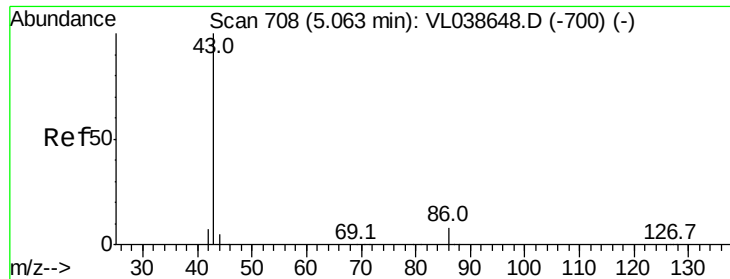
Tgt Ion: 41 Resp: 543954
 Ion Ratio Lower Upper
 41 100
 76 31.8 25.0 37.6
 39 73.4 56.6 85.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.72 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 96 Resp: 395393
 Ion Ratio Lower Upper
 96 100
 61 141.1 118.3 177.5
 98 60.1 51.3 76.9





#23

Vinyl Acetate

Concen: 10.80 ppbv

RT: 5.06 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDCCC010

Acq: 22 Mar 2022 12:29

Tgt Ion: 43 Resp: 782115

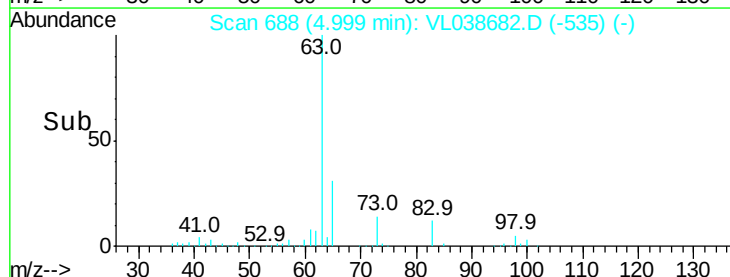
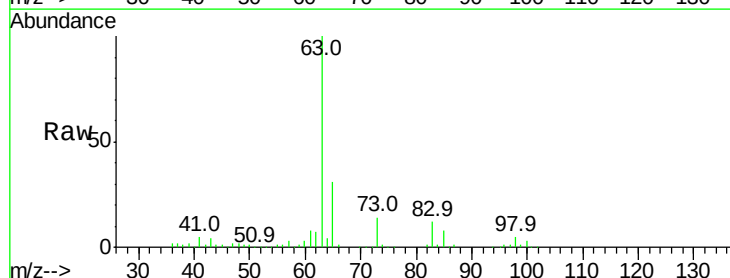
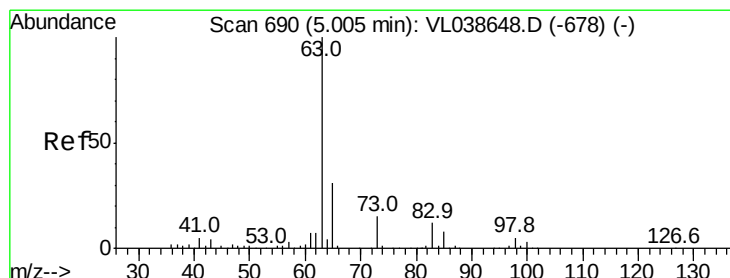
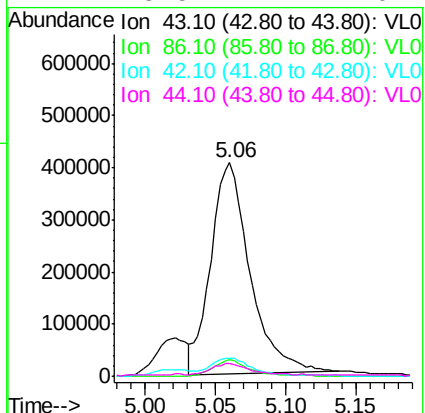
Ion Ratio Lower Upper

43 100

86 7.6 5.6 8.4

42 8.4 6.8 10.2

44 5.5 4.2 6.2



#24

1,1-Dichloroethane

Concen: 10.24 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

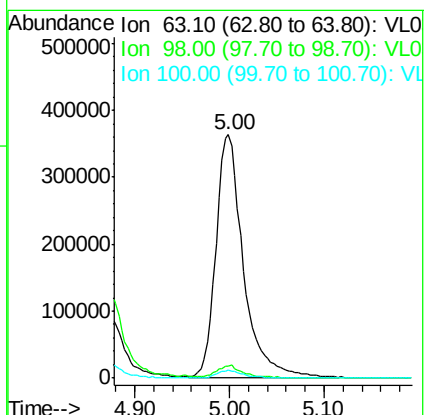
Tgt Ion: 63 Resp: 730305

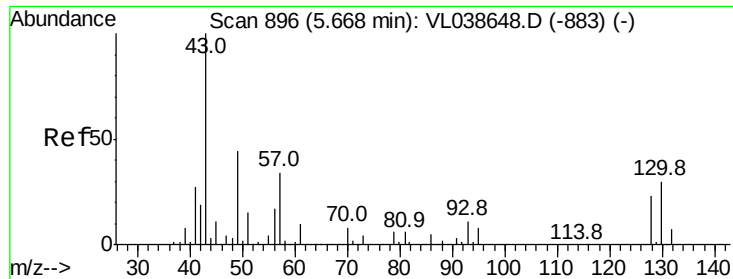
Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.5

100 3.3 1.4 4.2

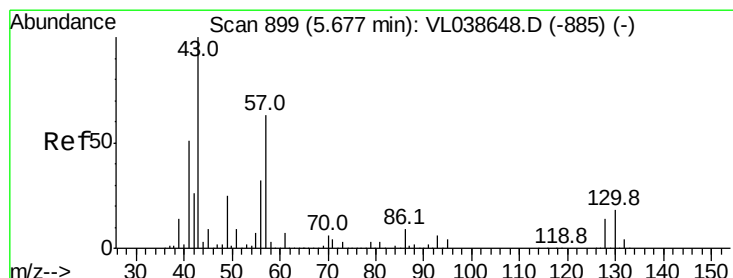
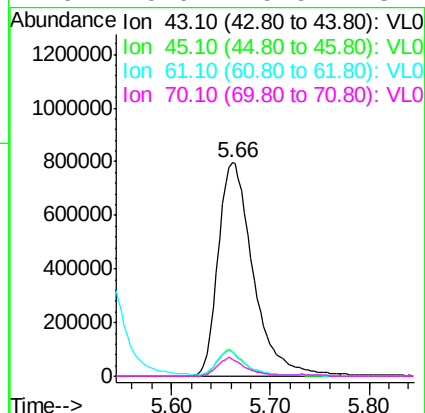
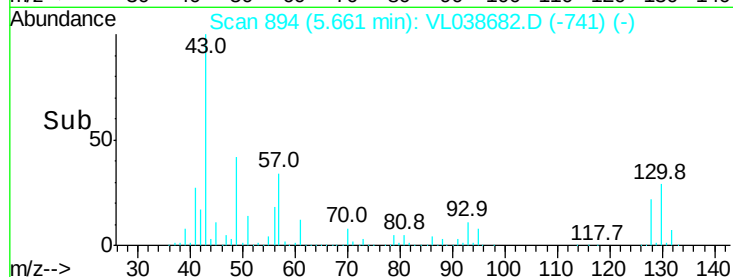
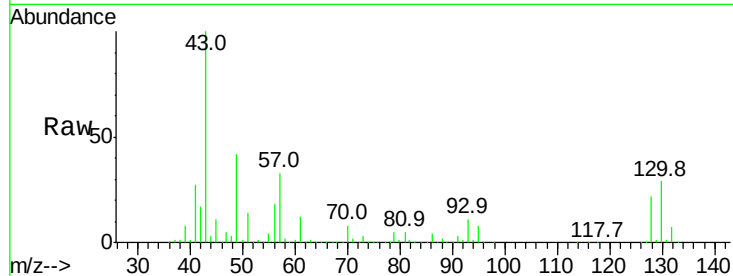




#25
Ethyl Acetate
Concen: 10.47 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 22 Mar 2022 12:29

Tgt Ion: 43 Resp: 1971031

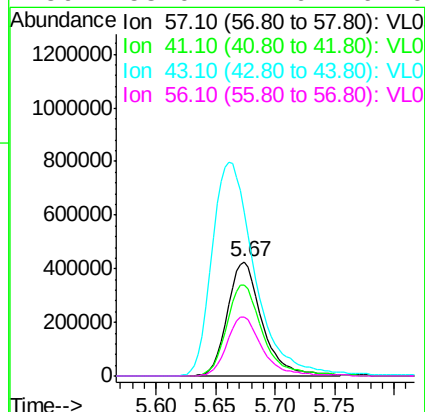
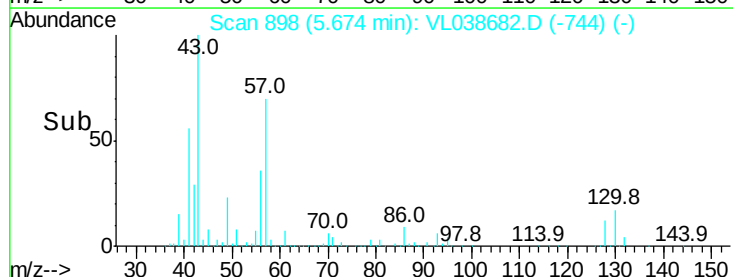
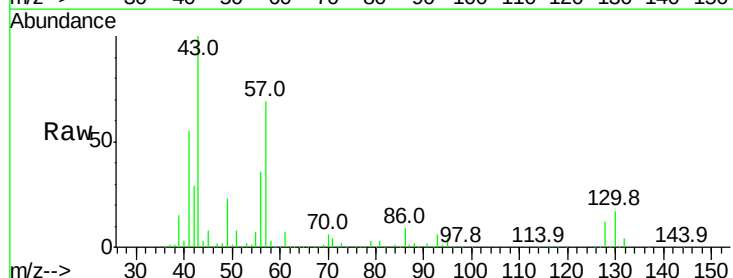
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.9	8.3	12.5
70	6.9	5.6	8.4

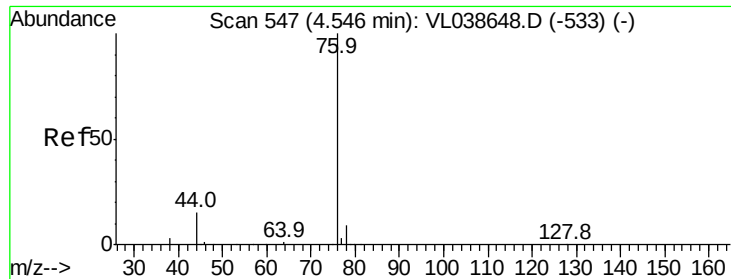


#26
Hexane
Concen: 10.21 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.00 min
Lab File: VL038682.D
Acq: 22 Mar 2022 12:29

Tgt Ion: 57 Resp: 860496

Ion	Ratio	Lower	Upper
57	100		
41	84.4	67.0	100.4
43	231.3	184.2	276.2
56	53.0	42.6	64.0





#27

Carbon Disulfide

Concen: 11.19 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 22 Mar 2022 12:29

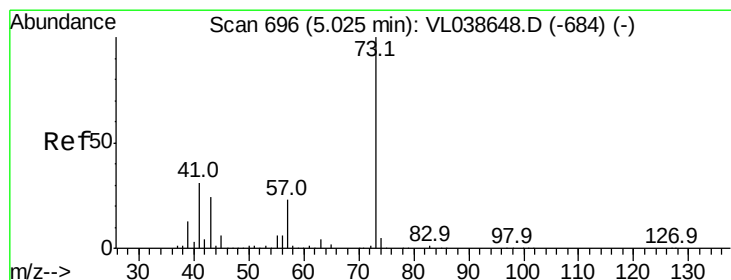
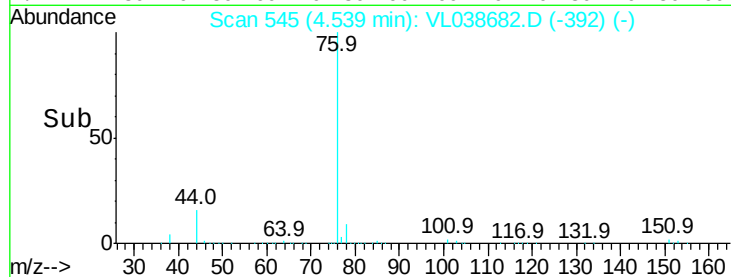
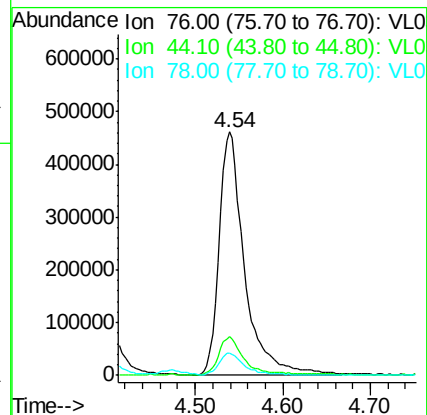
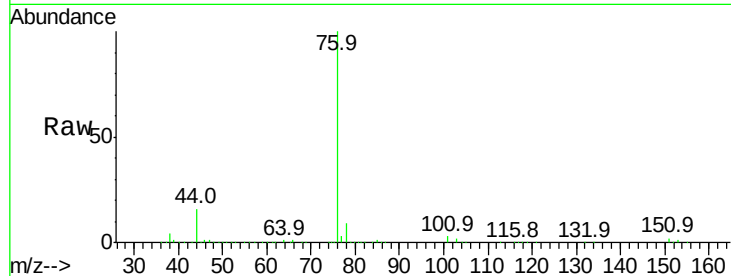
Tgt Ion: 76 Resp: 925683

Ion Ratio Lower Upper

76 100

44 15.6 12.4 18.6

78 9.4 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 10.47 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL038682.D

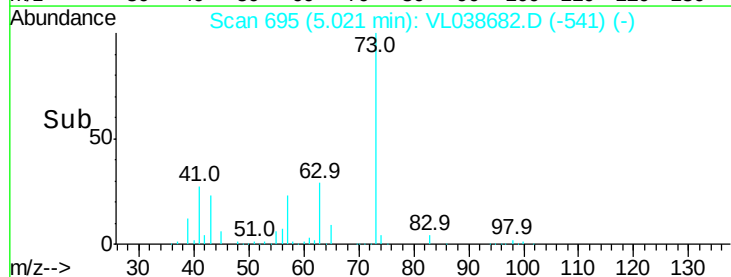
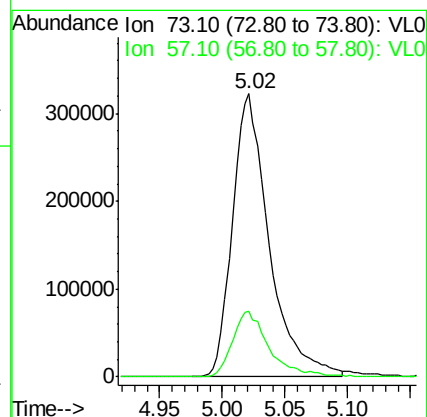
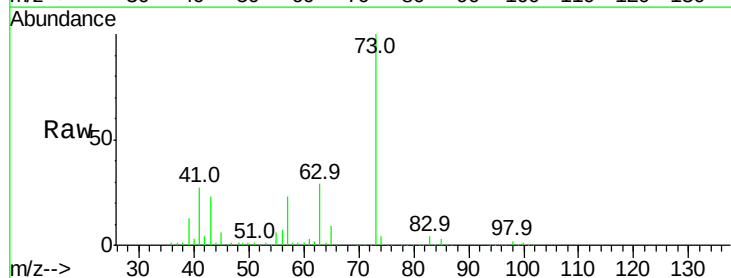
Acq: 22 Mar 2022 12:29

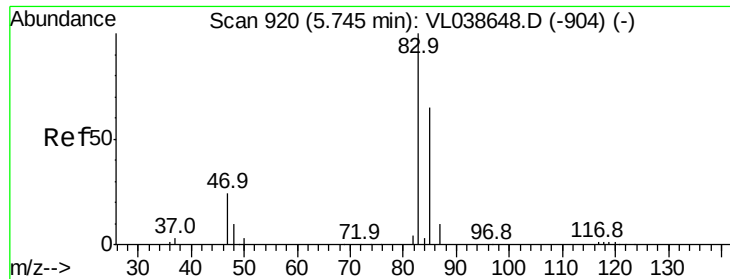
Tgt Ion: 73 Resp: 657338

Ion Ratio Lower Upper

73 100

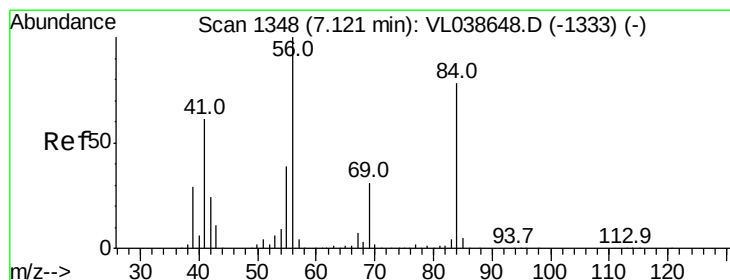
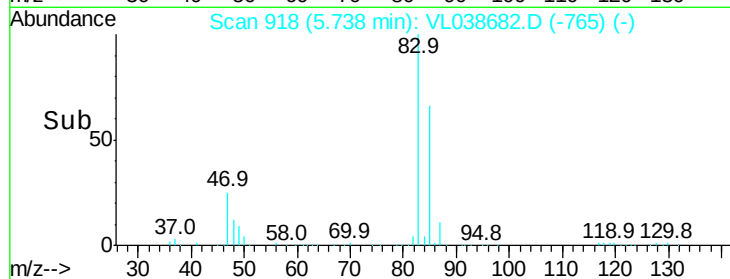
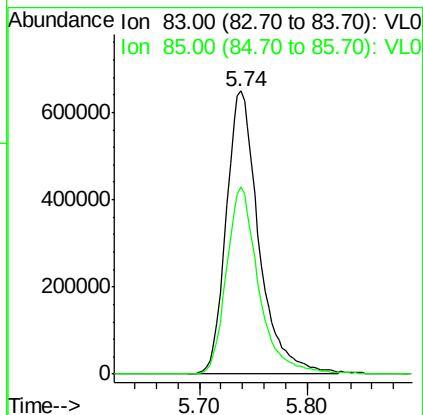
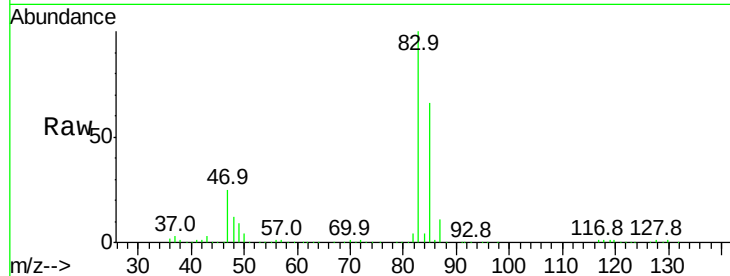
57 23.4 19.2 28.8





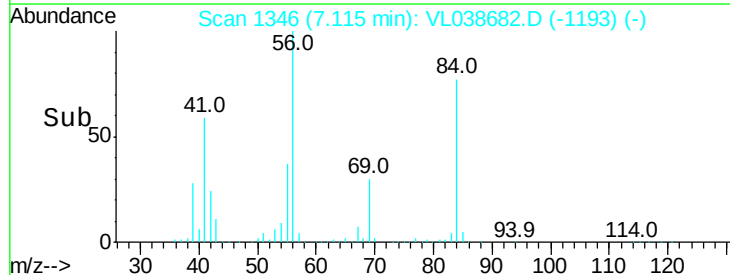
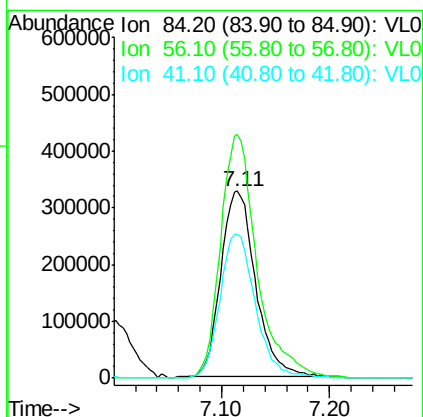
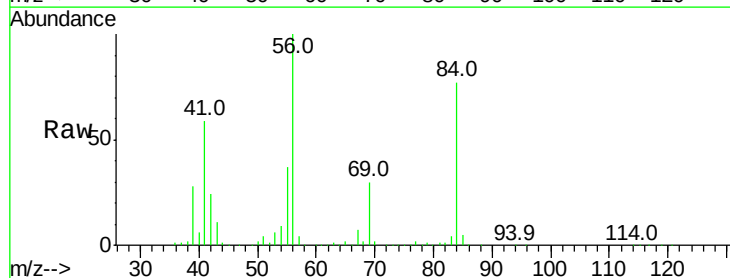
#29
 Chloroform
 Concen: 10.18 ppbv
 RT: 5.74
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

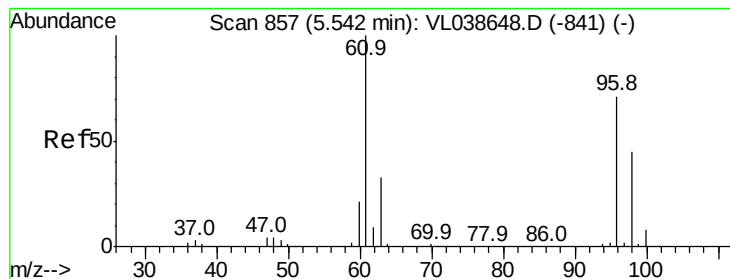
Tgt Ion: 83 Resp: 1373469
 Ion Ratio Lower Upper
 83 100
 85 66.2 51.7 77.5



#30
 Cyclohexane
 Concen: 10.10 ppbv
 RT: 7.11 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 84 Resp: 740684
 Ion Ratio Lower Upper
 84 100
 56 137.3 108.2 162.4
 41 79.2 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 10.71 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29 VSTDCCC010

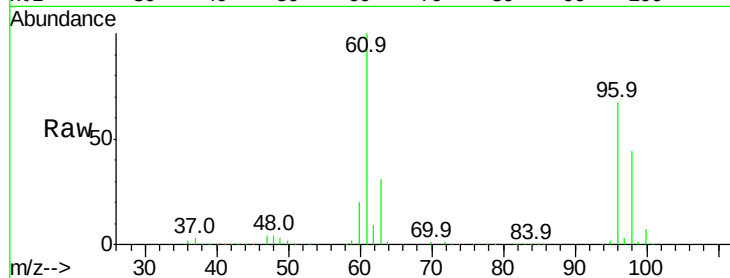
Tgt Ion: 61 Resp: 848875

Ion Ratio Lower Upper

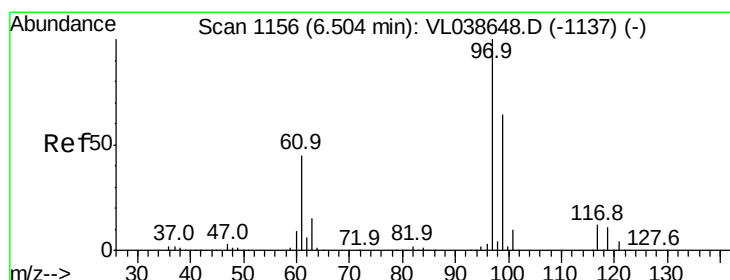
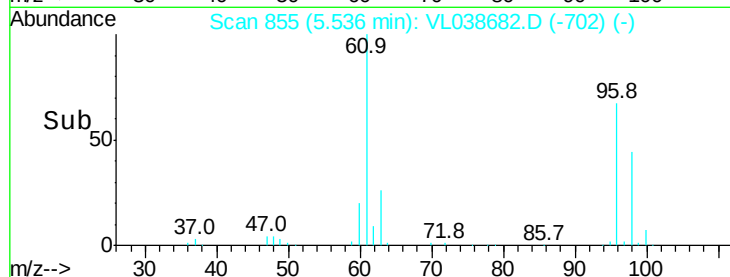
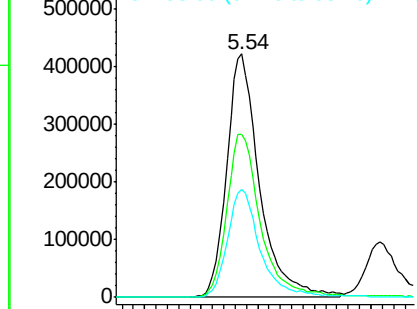
61 100

96 66.7 56.6 84.8

98 44.0 36.3 54.5



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



#32

1,1,1-Trichloroethane

Concen: 10.28 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

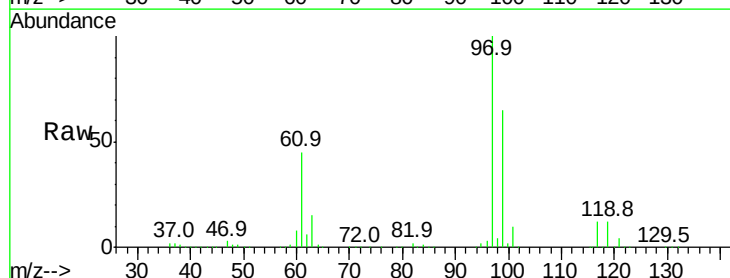
Tgt Ion: 97 Resp: 1339497

Ion Ratio Lower Upper

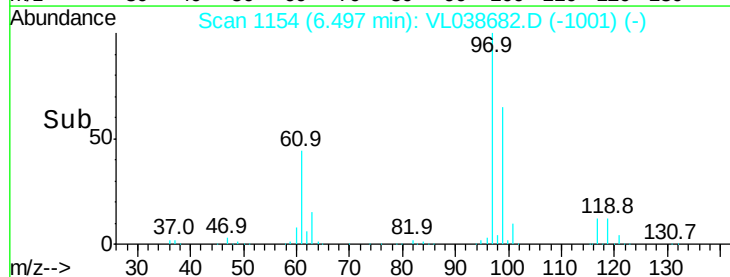
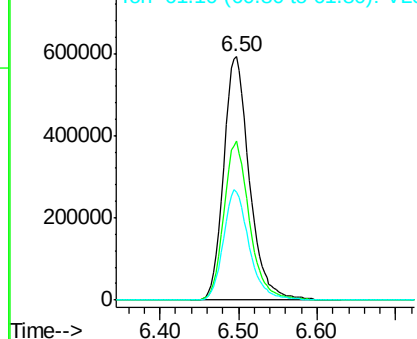
97 100

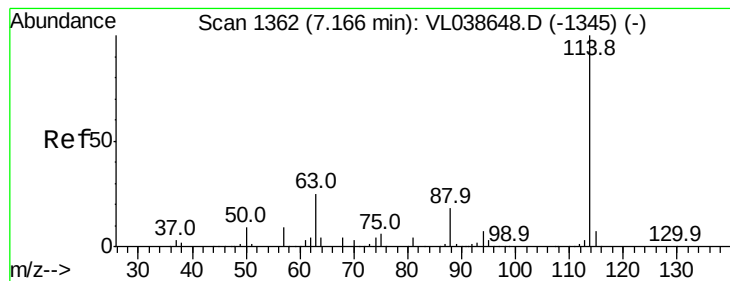
99 64.8 51.8 77.8

61 45.0 36.7 55.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29 VSTDCCC010

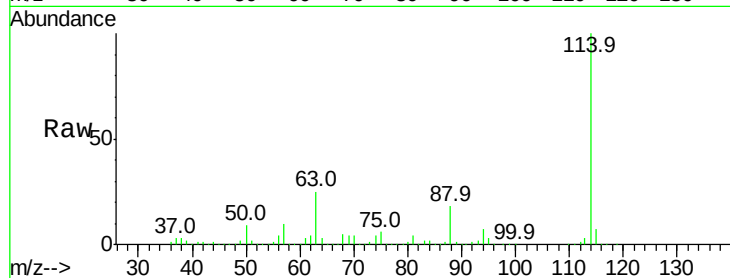
Tgt Ion:114 Resp: 2314984

Ion Ratio Lower Upper

114 100

63 24.2 19.4 29.0

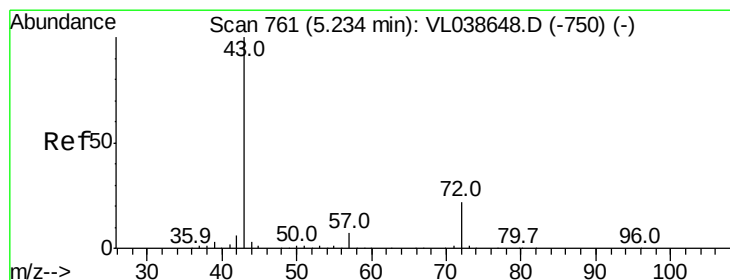
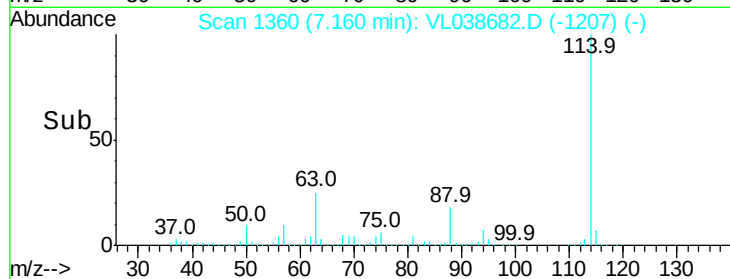
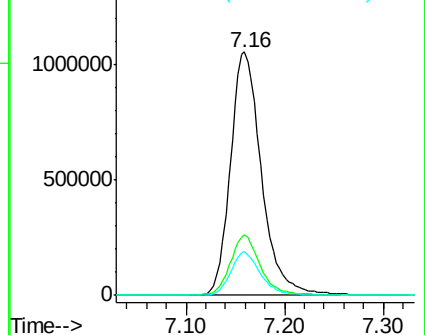
88 17.2 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.32 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.00 min

Lab File: VL038682.D

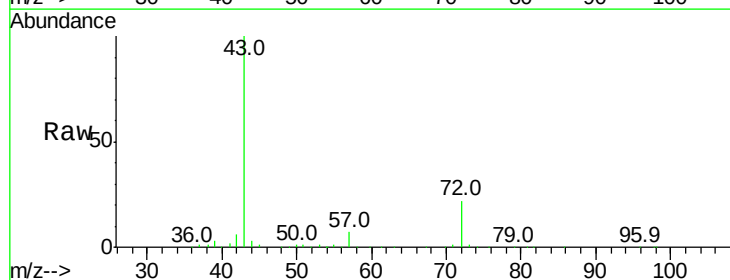
Acq: 22 Mar 2022 12:29

Tgt Ion: 43 Resp: 854195

Ion Ratio Lower Upper

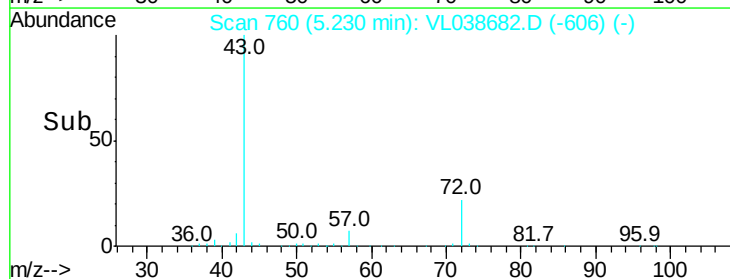
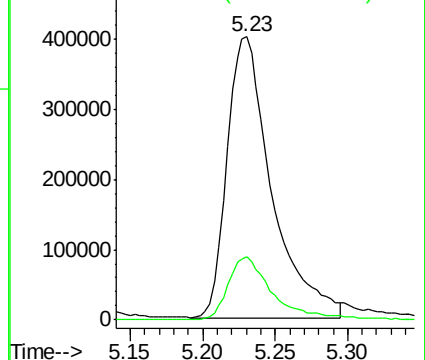
43 100

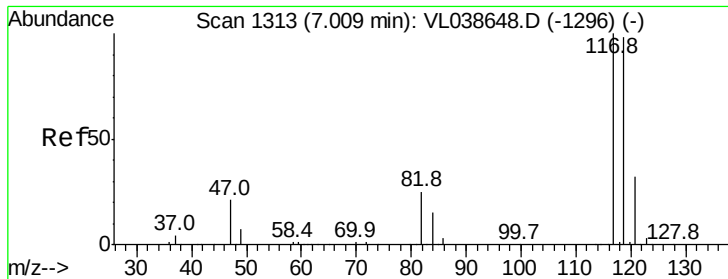
72 22.9 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

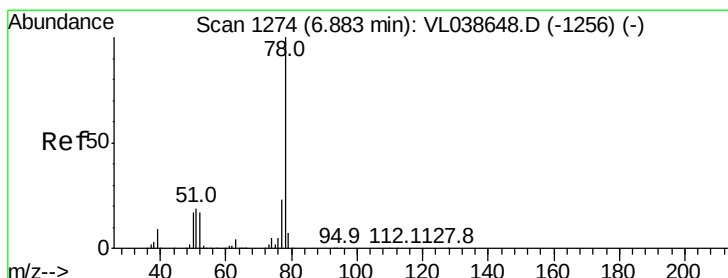
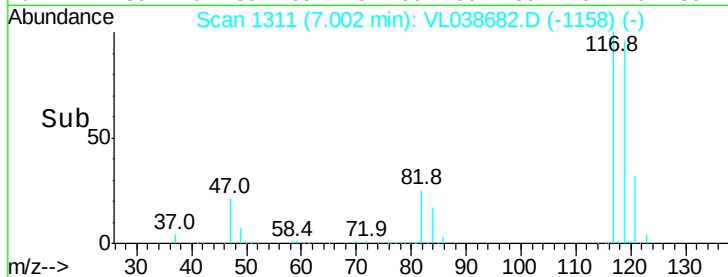
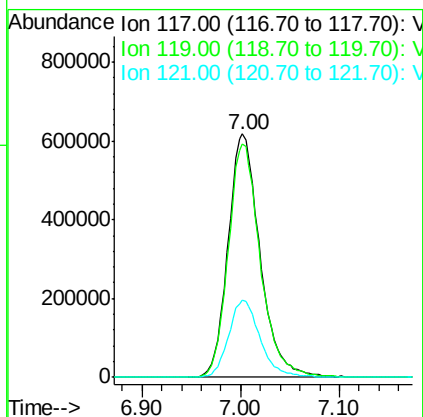
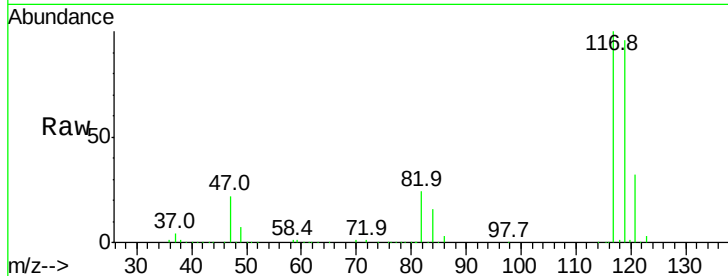
Ion 72.10 (71.80 to 72.80): VL0





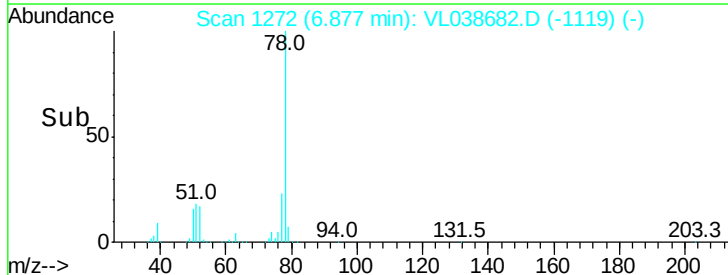
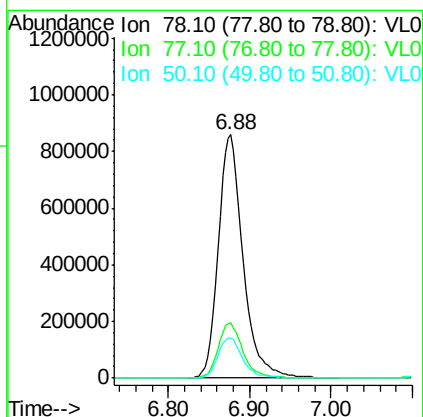
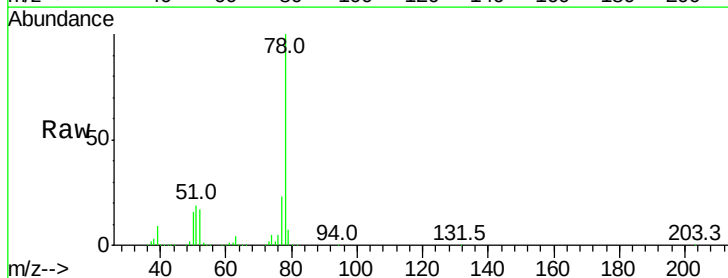
#35
Carbon Tetrachloride
Concen: 10.38 ppbv
RT: 7.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 12:29

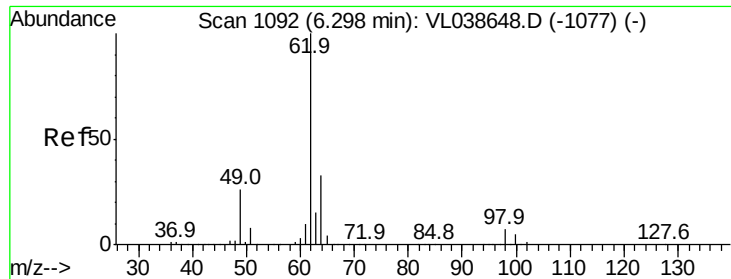
Tgt Ion: 117 Resp: 1394866
Ion Ratio Lower Upper
117 100
119 96.1 78.1 117.1
121 31.6 25.8 38.6



#36
Benzene
Concen: 10.33 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VL038682.D
Acq: 22 Mar 2022 12:29

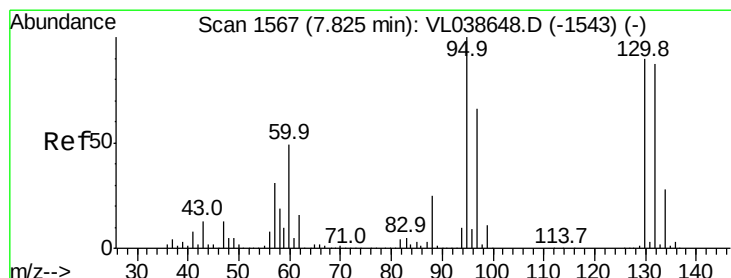
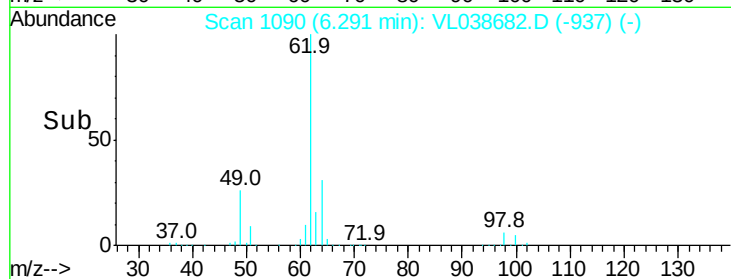
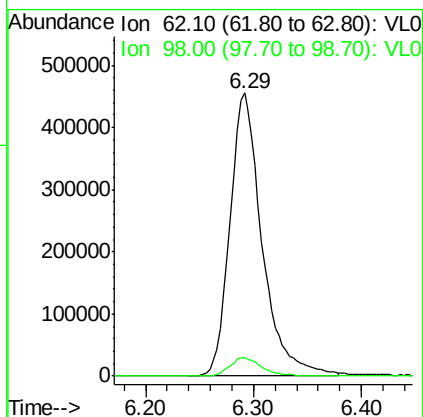
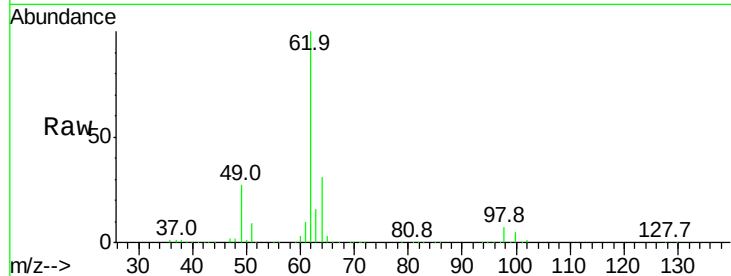
Tgt Ion: 78 Resp: 1844885
Ion Ratio Lower Upper
78 100
77 22.6 18.1 27.1
50 16.5 13.6 20.4





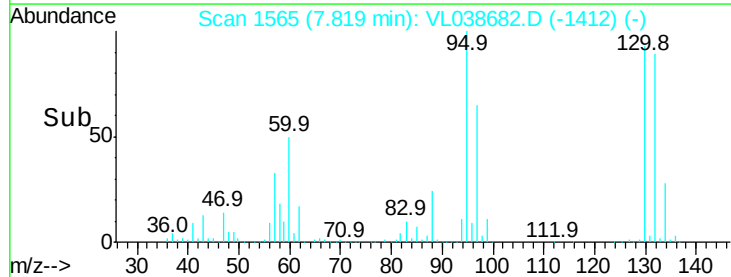
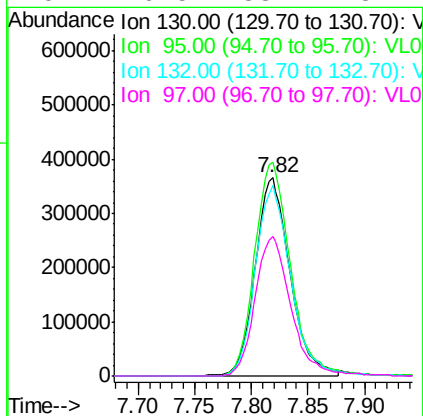
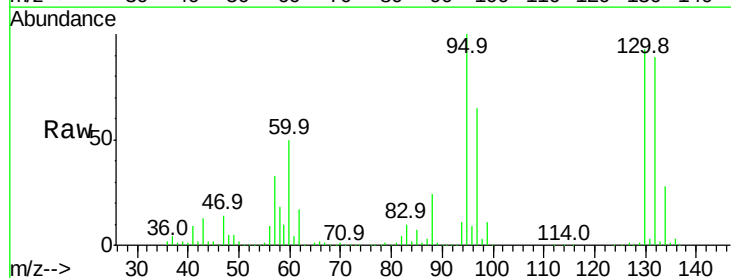
#37
 1,2-Dichloroethane
 Concen: 10.41 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

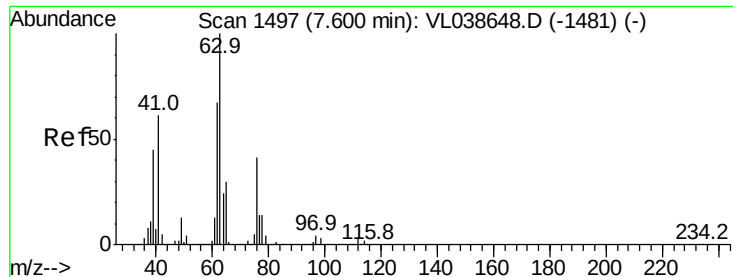
Tgt Ion: 62 Resp: 945697
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.6 8.4



#38
 Trichloroethene
 Concen: 10.41 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 130 Resp: 779490
 Ion Ratio Lower Upper
 130 100
 95 108.0 88.9 133.3
 132 96.3 77.4 116.0
 97 70.5 58.2 87.4





#39

1,2-Dichloropropane

Concen: 10.23 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29 VSTDCCC010

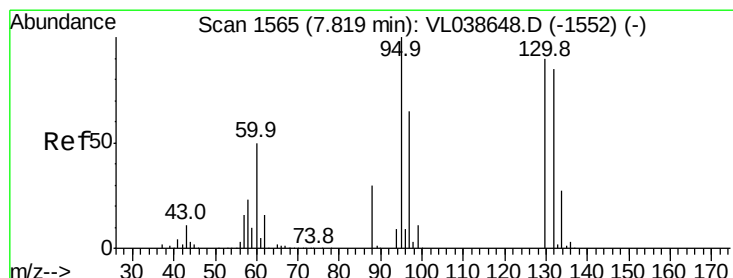
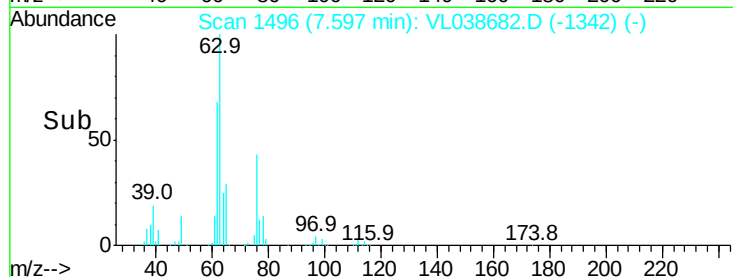
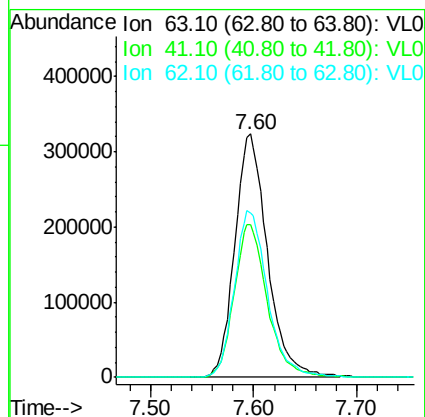
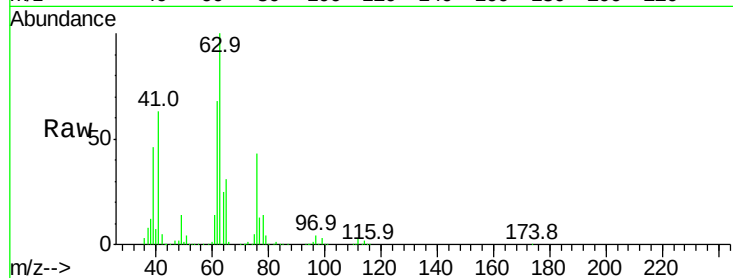
Tgt Ion: 63 Resp: 714322

Ion Ratio Lower Upper

63 100

41 62.7 49.0 73.6

62 67.4 53.9 80.9



#40

1,4-Dioxane

Concen: 9.98 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

Tgt Ion: 88 Resp: 241964

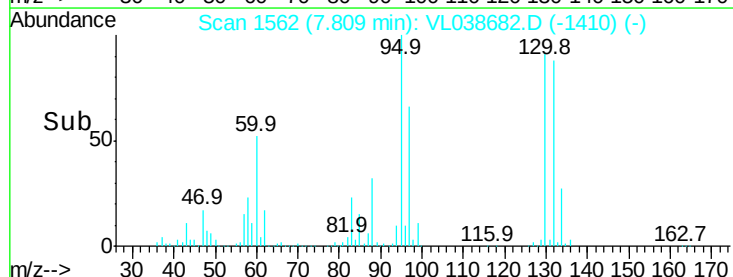
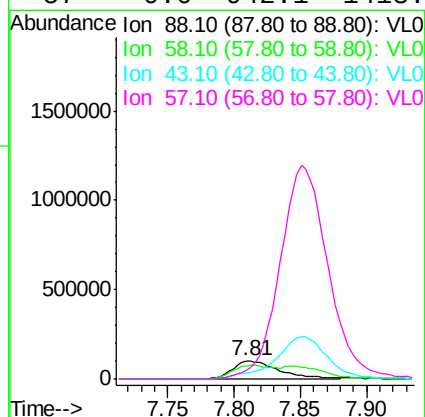
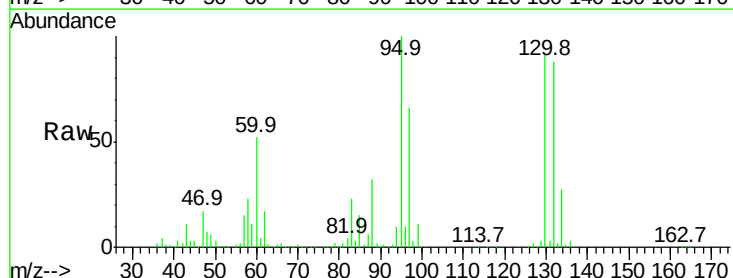
Ion Ratio Lower Upper

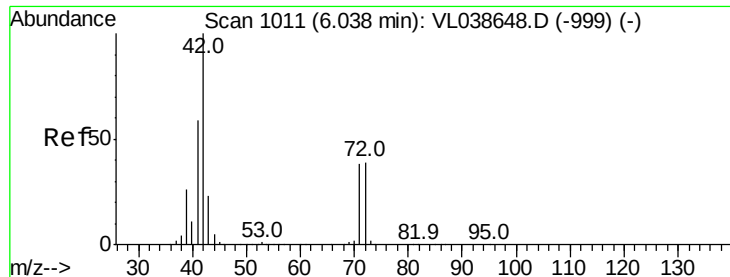
88 100

58 65.9 105.6 158.4#

43 0.0 201.9 302.9#

57 0.0 942.1 1413.1#





#41

Tetrahydrofuran

Concen: 10.90 ppbv

RT: 6.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29 VSTDCCC010

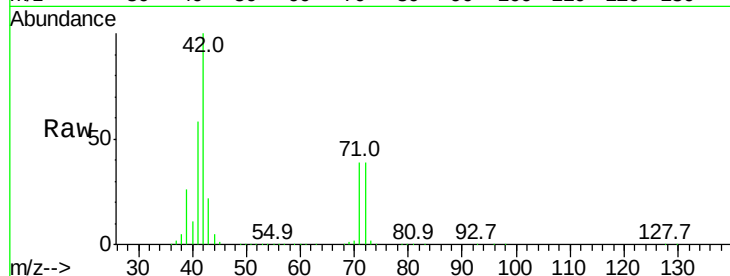
Tgt Ion: 42 Resp: 743080

Ion Ratio Lower Upper

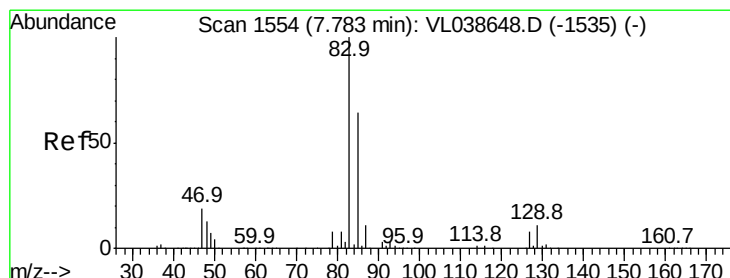
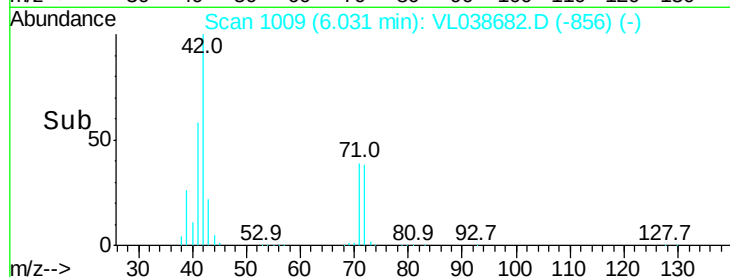
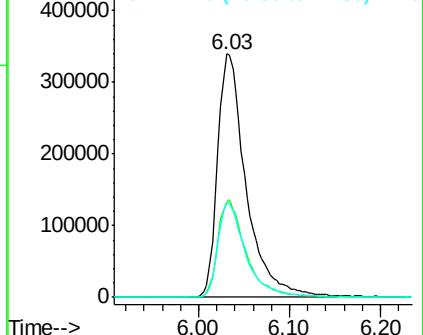
42 100

72 39.7 32.5 48.7

71 38.4 31.4 47.2



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: 10.76 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

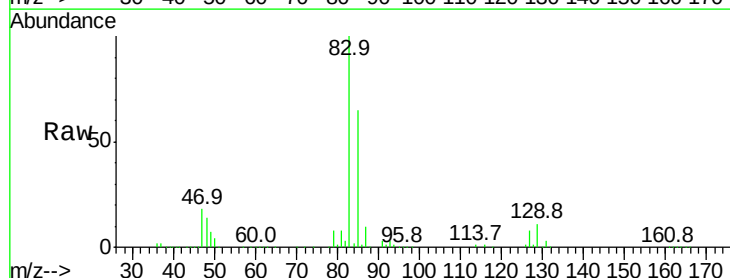
Tgt Ion: 83 Resp: 1465868

Ion Ratio Lower Upper

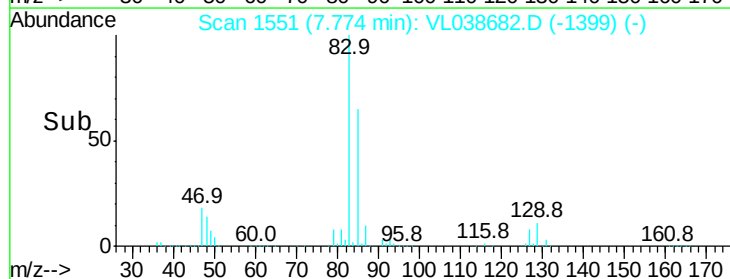
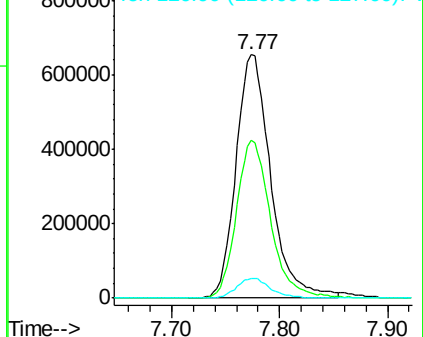
83 100

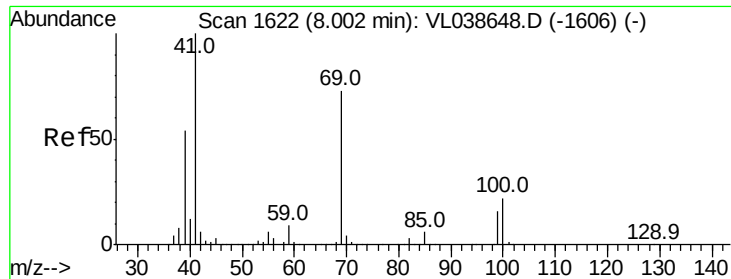
85 64.7 51.1 76.7

127 8.1 6.5 9.7



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: 11.27 ppbv

RT: 8.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29

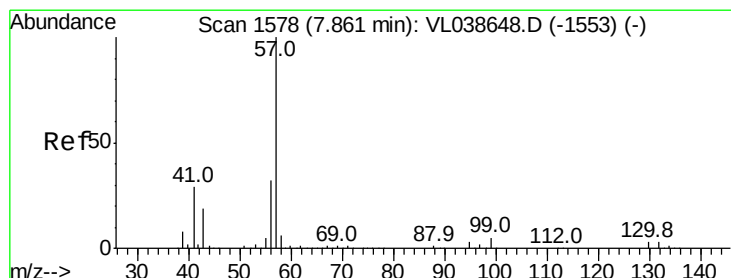
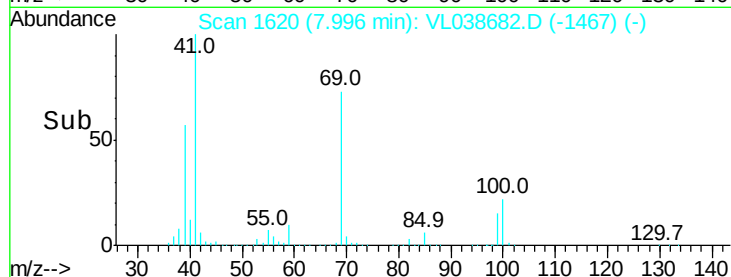
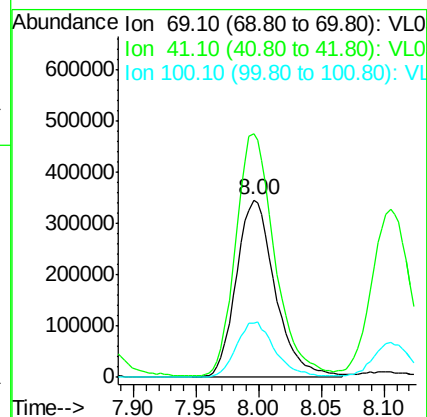
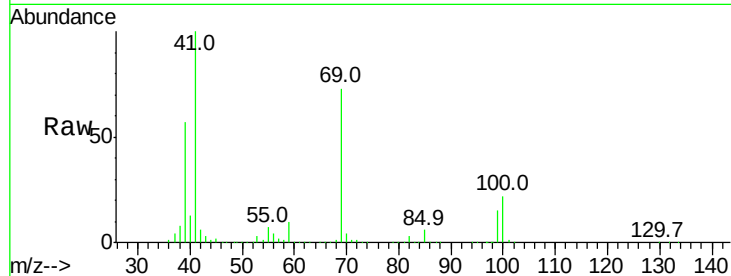
Tgt Ion: 69 Resp: 747408

Ion Ratio Lower Upper

69 100

41 138.1 110.3 165.5

100 30.8 24.8 37.2



#44

2,2,4-Trimethylpentane

Concen: 10.14 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

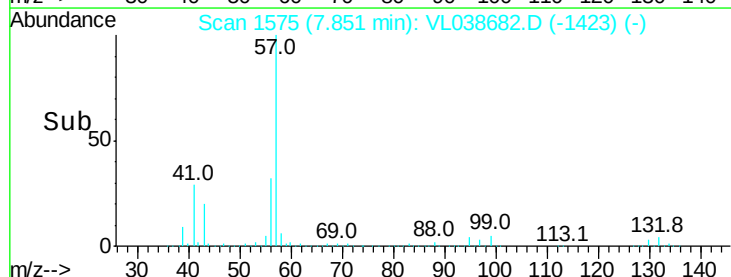
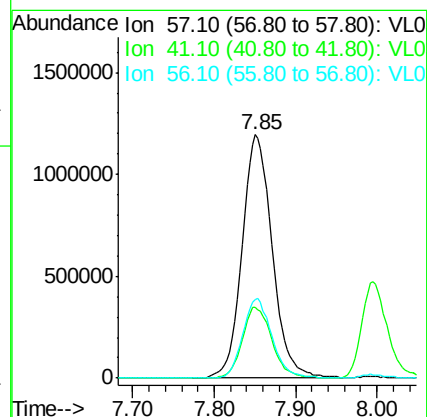
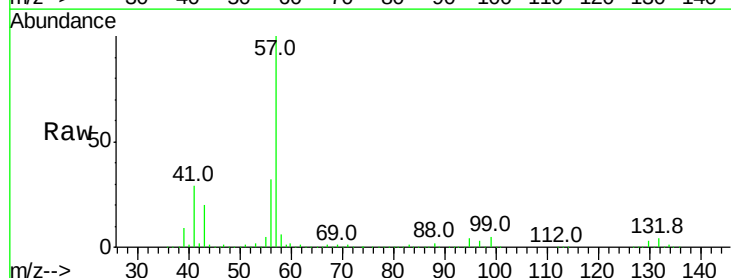
Tgt Ion: 57 Resp: 3040767

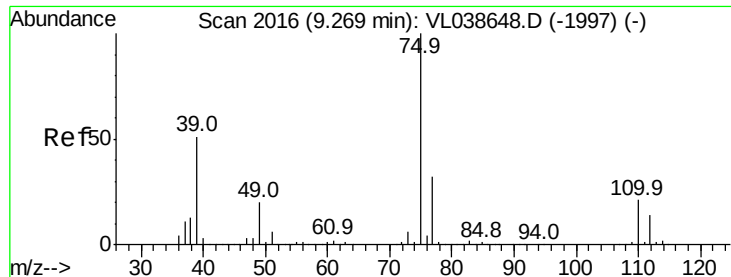
Ion Ratio Lower Upper

57 100

41 29.0 23.0 34.4

56 31.7 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.19 ppbv

RT: 9.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

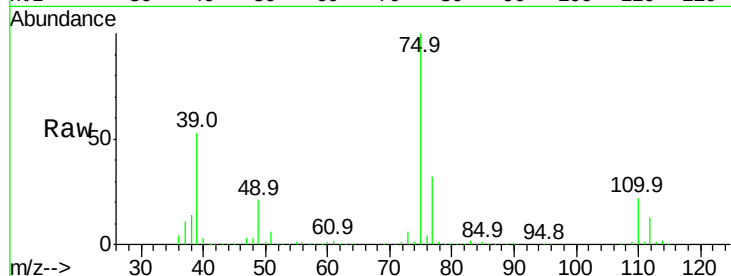
Acq: 22 Mar 2022 12:29 VSTDCCC010

Tgt Ion: 75 Resp: 822371

Ion Ratio Lower Upper

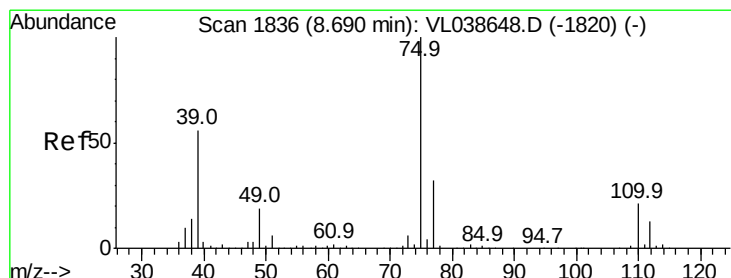
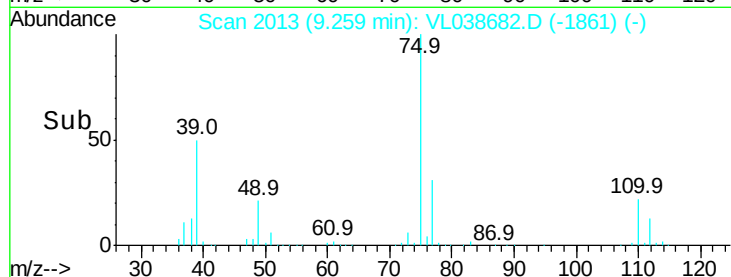
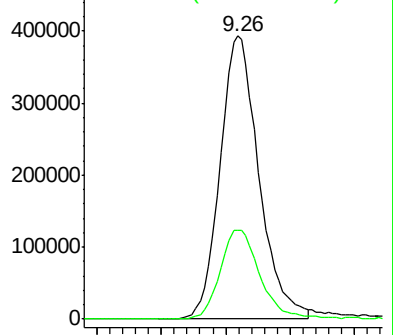
75 100

77 32.6 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.52 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

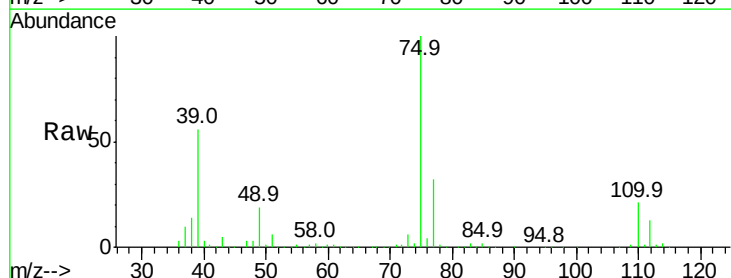
Tgt Ion: 75 Resp: 1050444

Ion Ratio Lower Upper

75 100

39 56.3 44.8 67.2

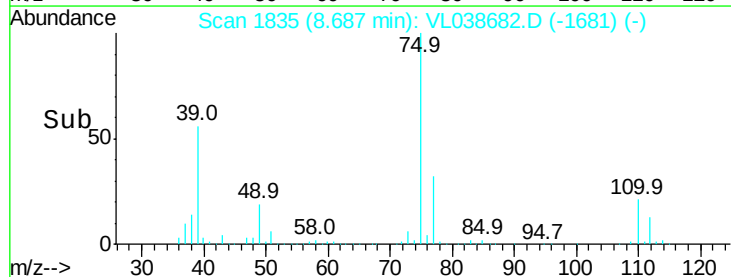
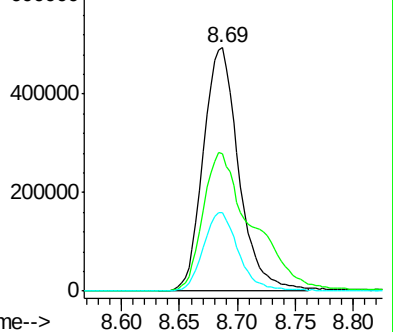
77 32.2 25.4 38.0

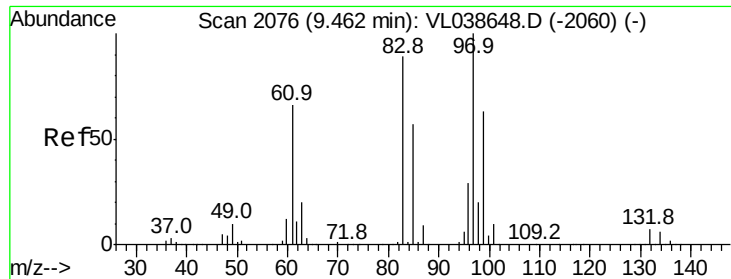


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

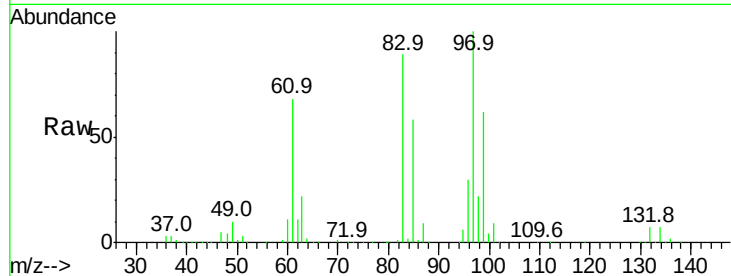
Ion 77.00 (76.70 to 77.70): VL0





#47
 1,1,2-Trichloroethane
 Concen: 10.18 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

Tgt Ion:	97	Resp:	759103
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.2	106.8
85	58.0	45.3	67.9
99	62.3	50.6	76.0



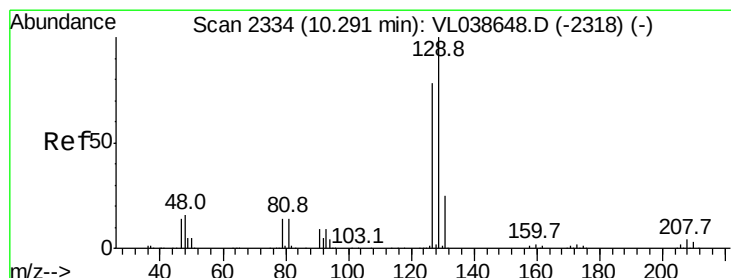
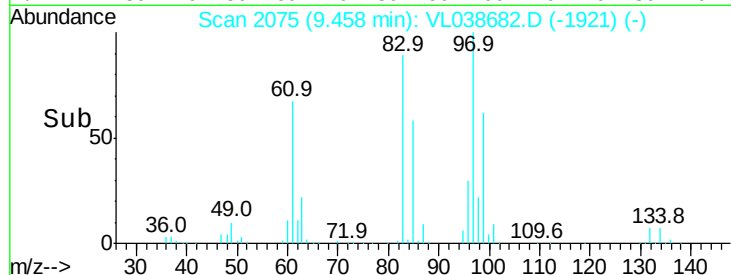
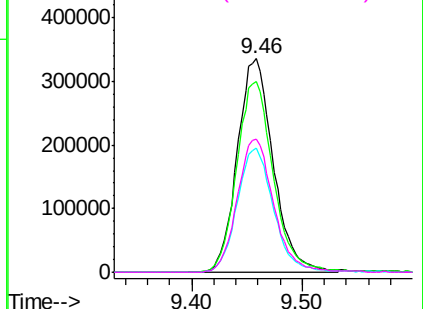
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

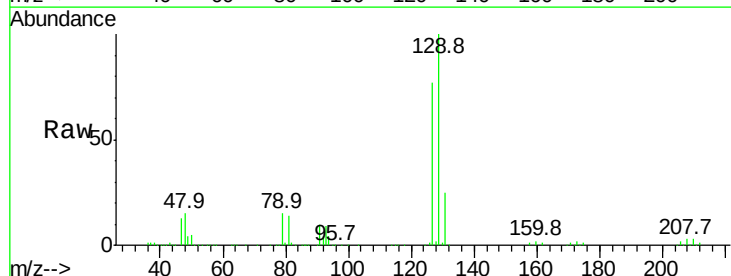
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.17 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

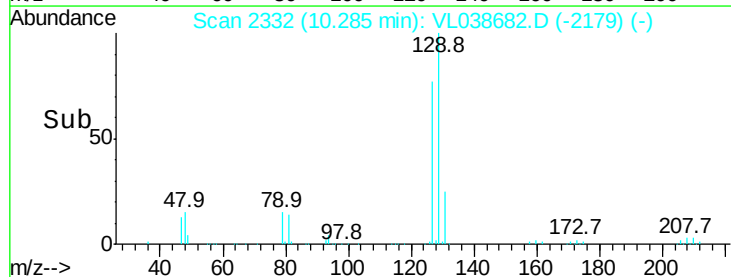
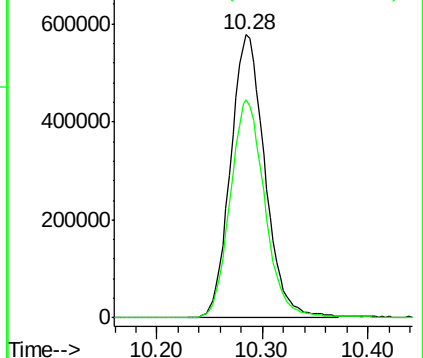
Tgt Ion:	129	Resp:	1304812
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.5

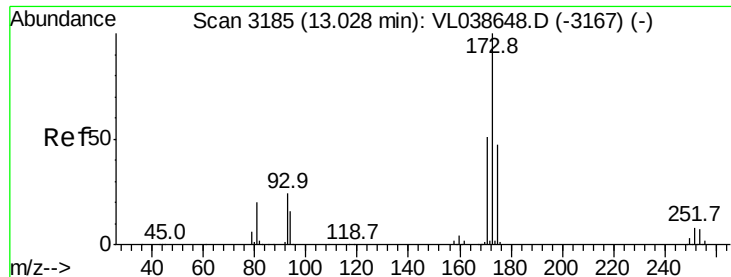


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.34 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010

Acq: 22 Mar 2022 12:29

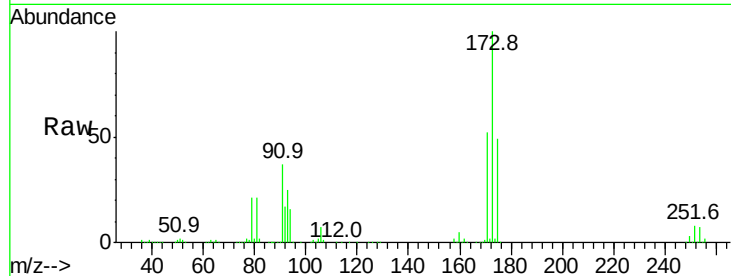
Tgt Ion: 173 Resp: 1079525

Ion Ratio Lower Upper

173 100

175 50.1 41.0 61.6

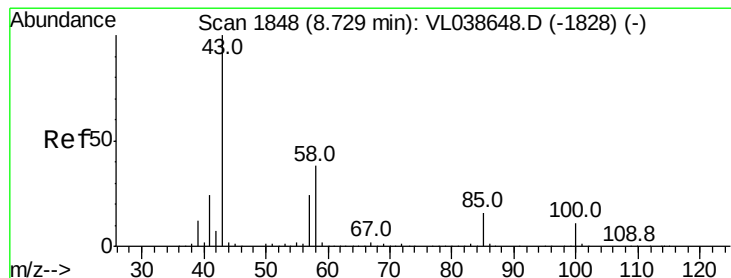
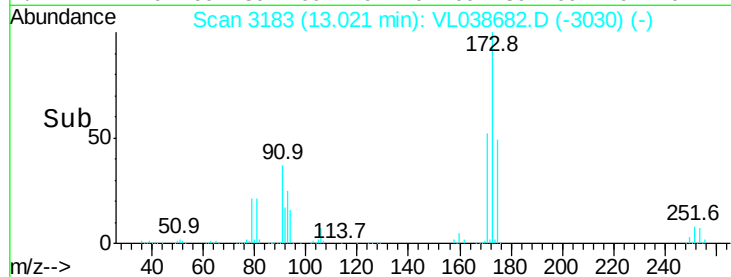
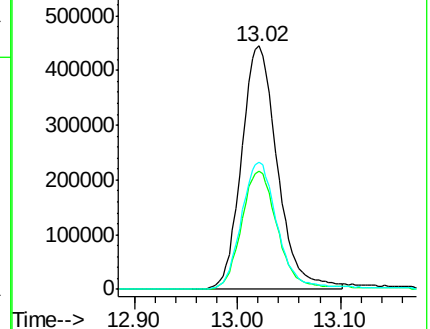
171 53.7 43.1 64.7



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: 10.82 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL038682.D

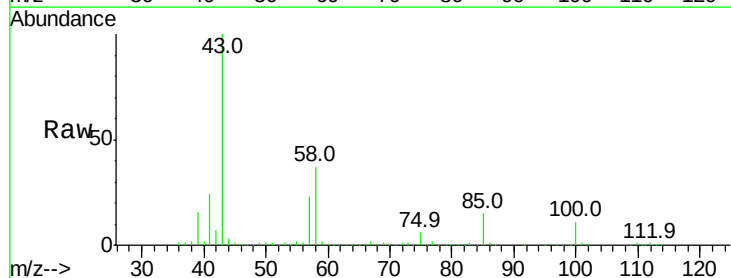
Acq: 22 Mar 2022 12:29

Tgt Ion: 43 Resp: 1843908

Ion Ratio Lower Upper

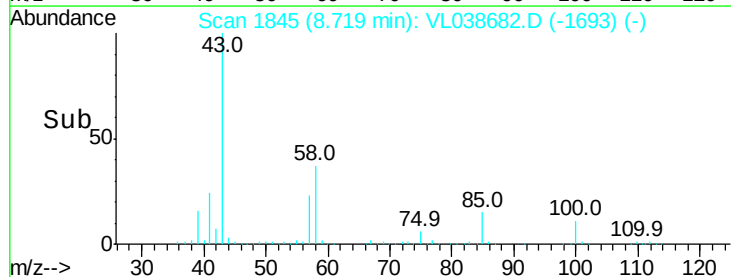
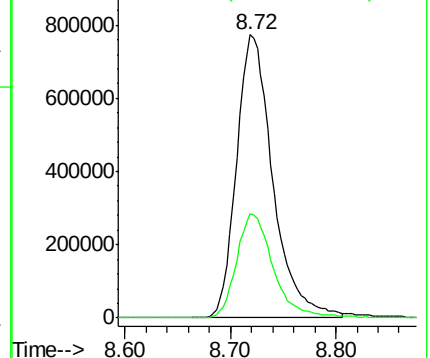
43 100

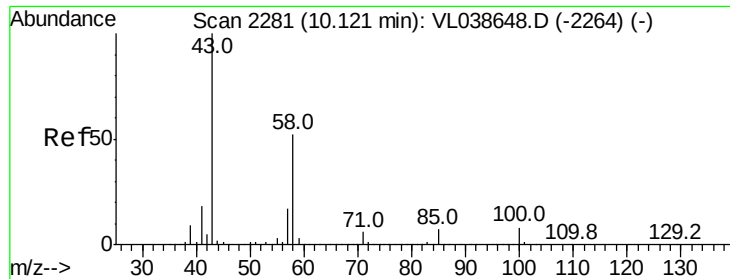
58 37.5 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.93 ppbv

RT: 10.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29 VSTDCCC010

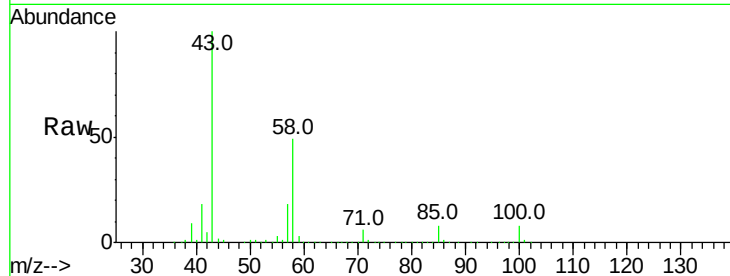
Tgt Ion: 43 Resp: 1459946

Ion Ratio Lower Upper

43 100

58 50.7 41.2 61.8

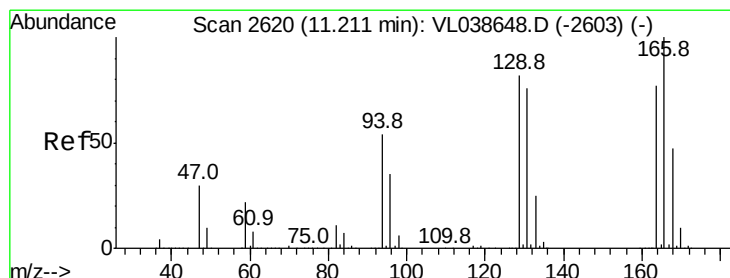
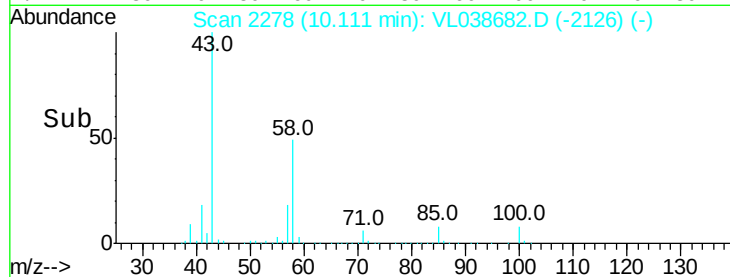
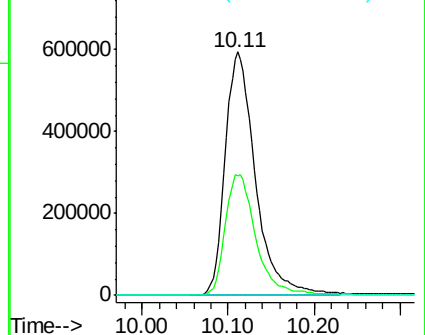
98 0.3 0.2 0.4



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: 10.22 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

Tgt Ion: 164 Resp: 668213

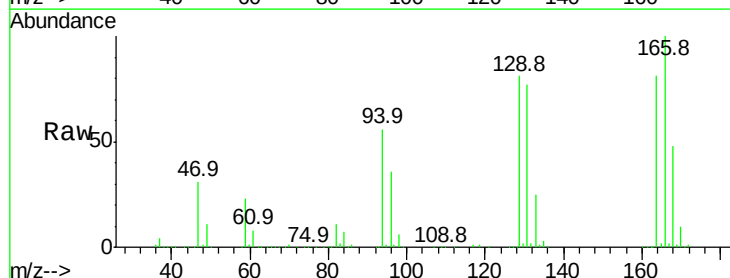
Ion Ratio Lower Upper

164 100

166 123.4 103.3 154.9

129 99.5 85.2 127.8

131 95.6 78.3 117.5

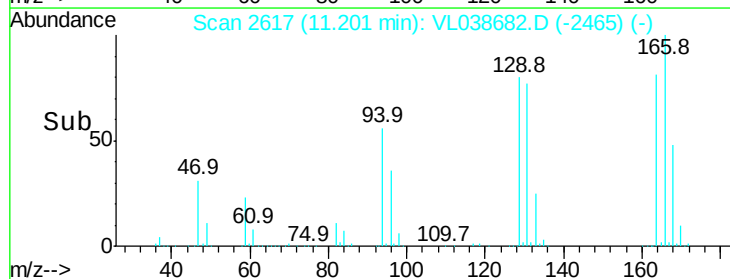
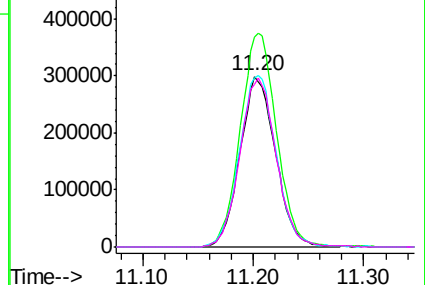


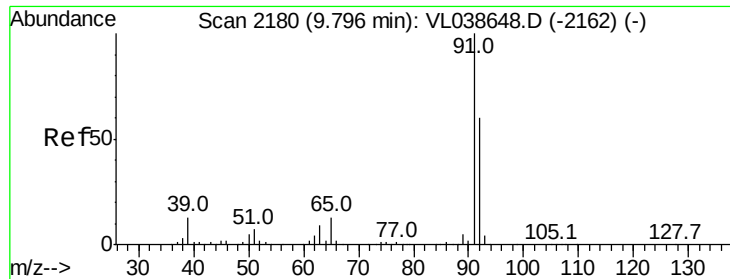
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.98 ppbv

RT: 9.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

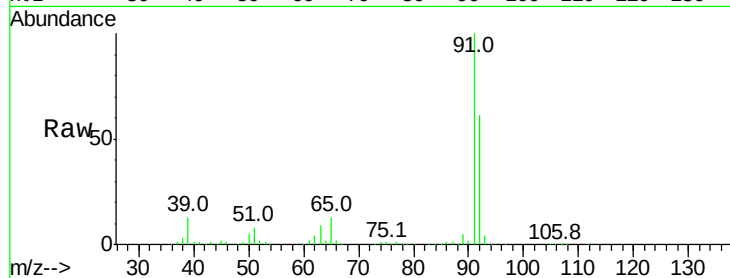
Acq: 22 Mar 2022 12:29

Tgt Ion: 91 Resp: 2107283

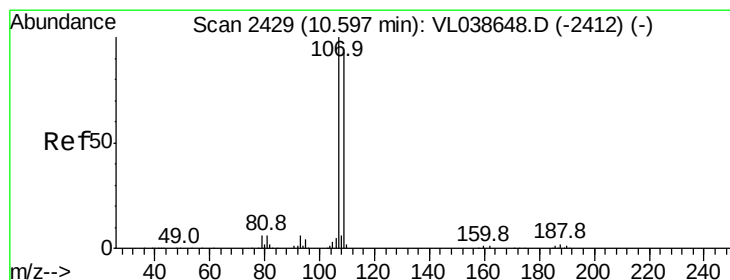
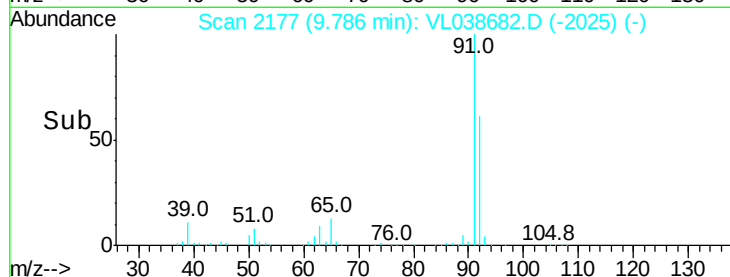
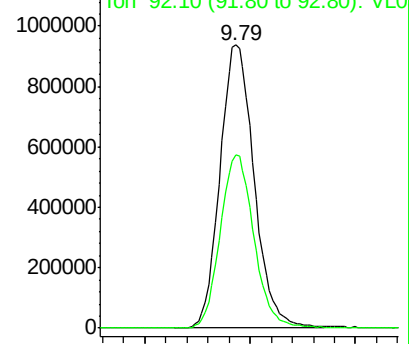
Ion Ratio Lower Upper

91 100

92 60.6 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 11.07 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VL038682.D

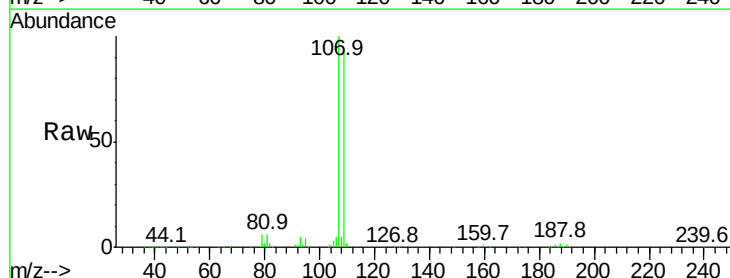
Acq: 22 Mar 2022 12:29

Tgt Ion: 107 Resp: 1127312

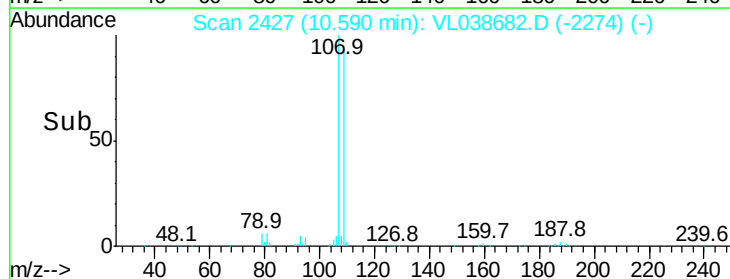
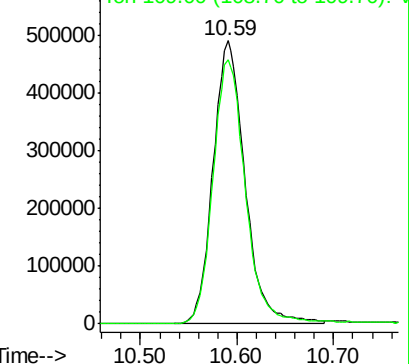
Ion Ratio Lower Upper

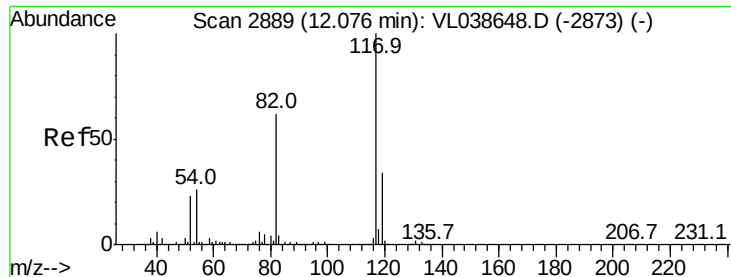
107 100

109 93.4 74.1 111.1



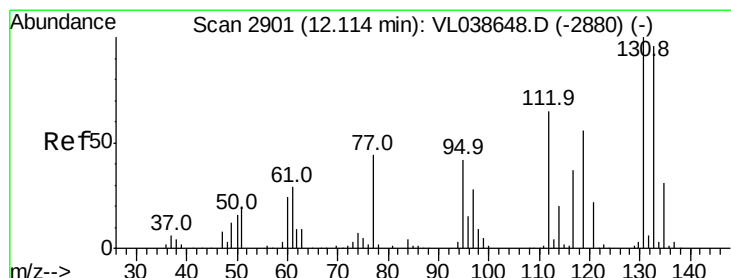
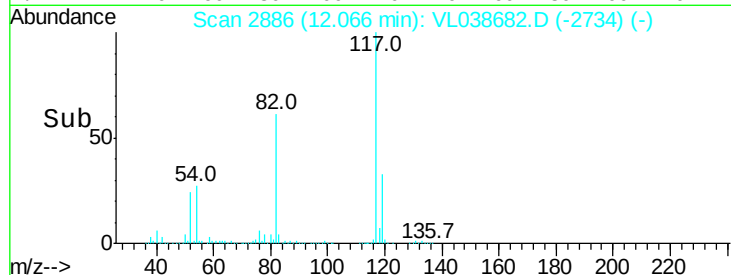
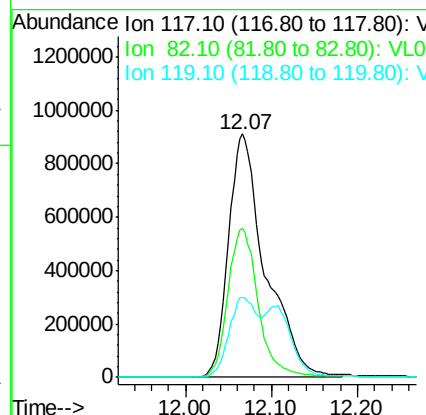
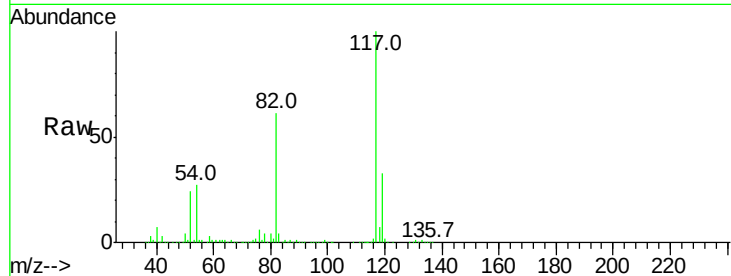
Abundance Ion 107.00 (106.70 to 107.70): V





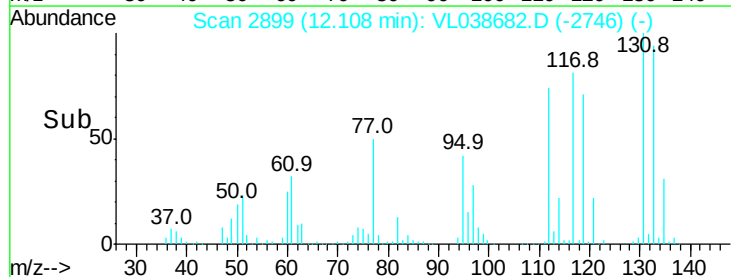
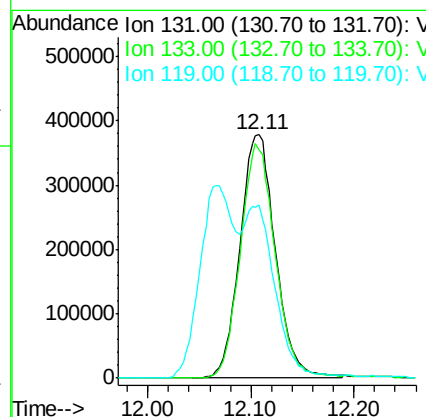
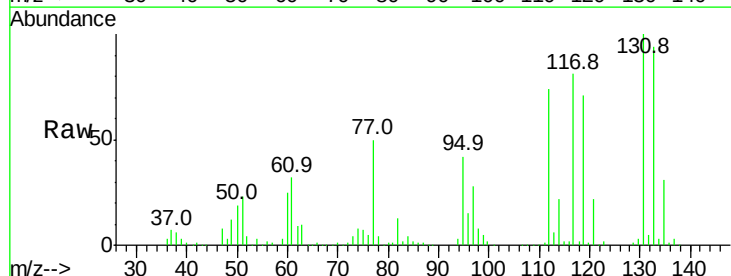
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

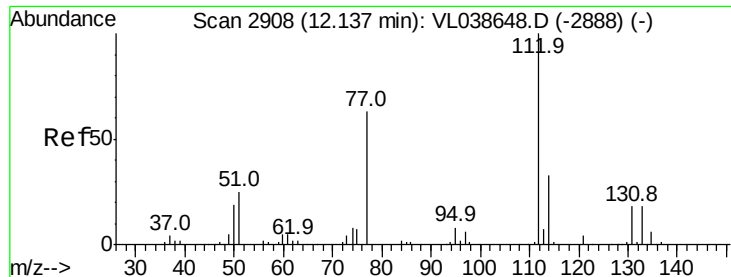
Tgt Ion:117 Resp: 2724371
 Ion Ratio Lower Upper
 117 100
 82 51.3 51.6 77.4#
 119 24.3 26.9 40.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.01 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T.: -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion:131 Resp: 904462
 Ion Ratio Lower Upper
 131 100
 133 96.3 77.3 115.9
 119 64.1 53.0 79.6





#57

Chlorobenzene

Concen: 7.90 ppbv

RT: 12.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 12:29

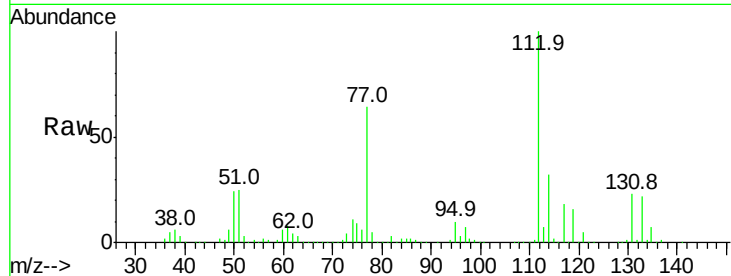
Tgt Ion: 112 Resp: 1551322

Ion Ratio Lower Upper

112 100

77 62.4 51.0 76.6

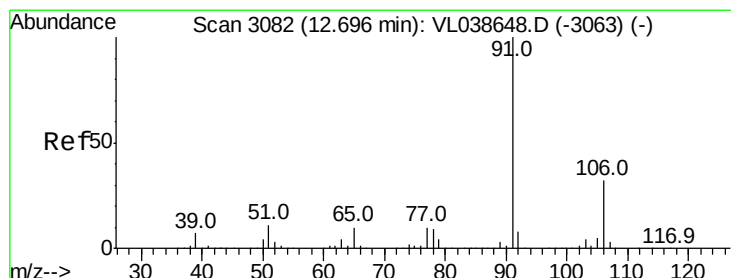
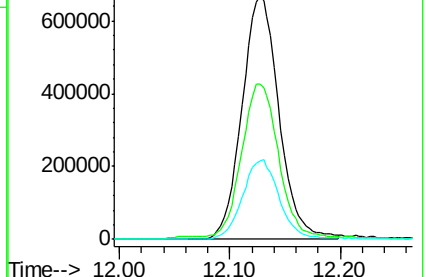
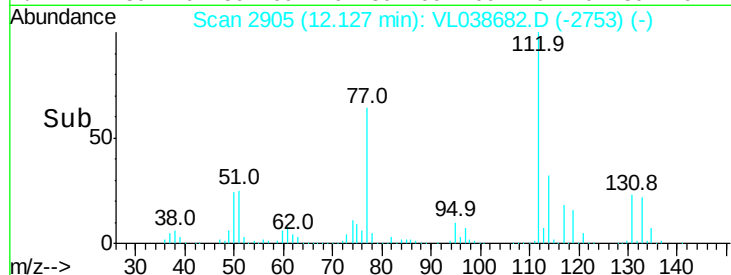
114 32.1 29.8 36.4



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: 8.61 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.01 min

Lab File: VL038682.D

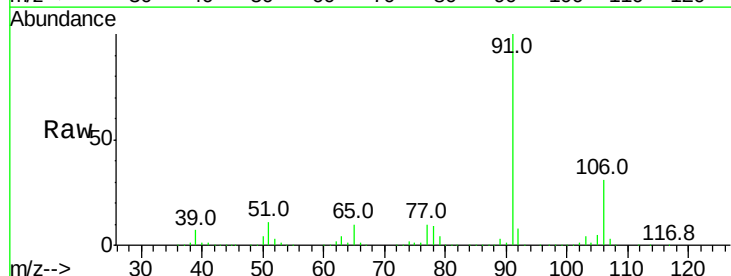
Acq: 22 Mar 2022 12:29

Tgt Ion: 91 Resp: 2742122

Ion Ratio Lower Upper

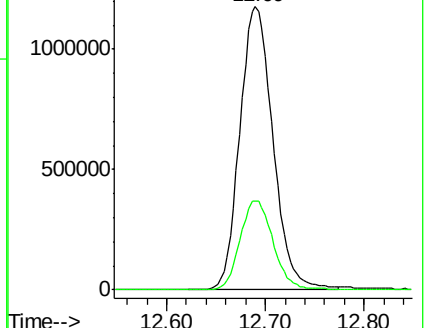
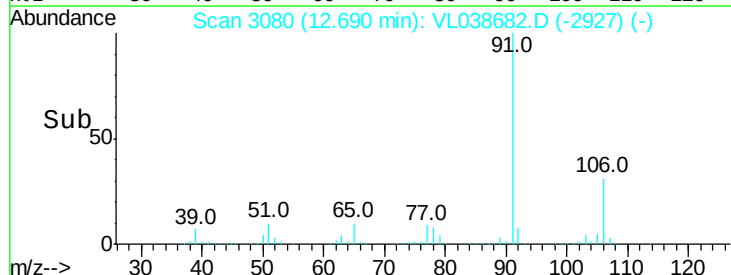
91 100

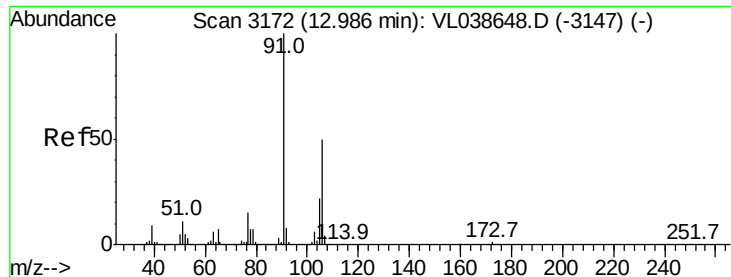
106 31.3 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

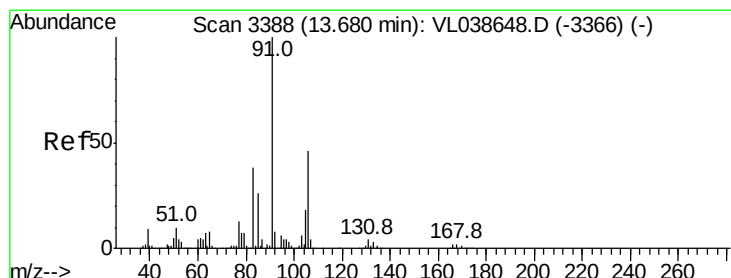
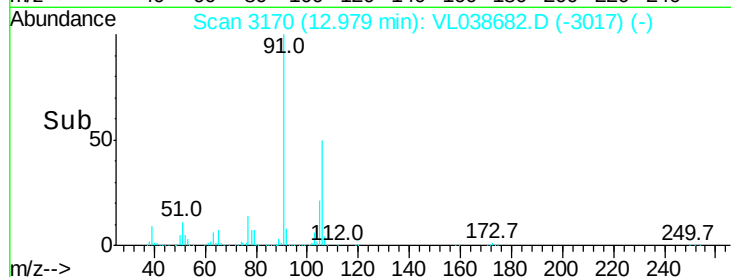
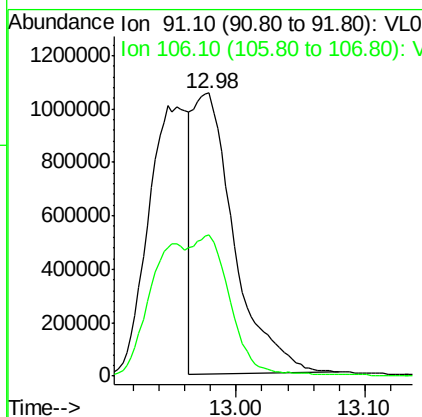
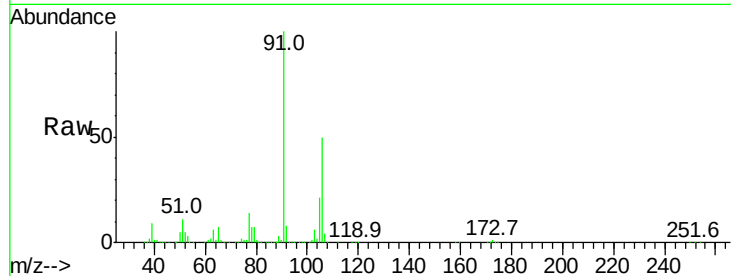
Ion 106.10 (105.80 to 106.80): V





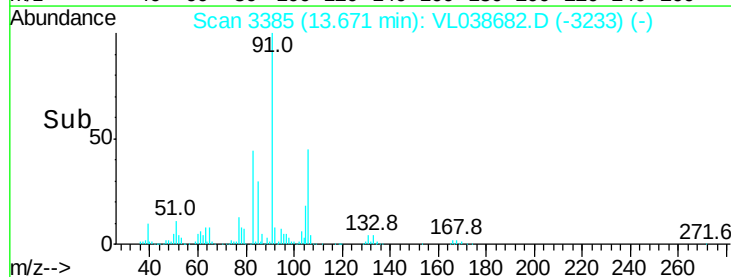
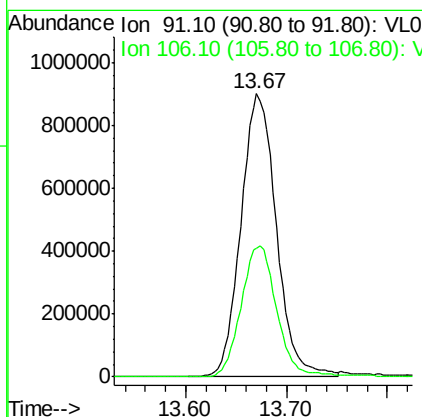
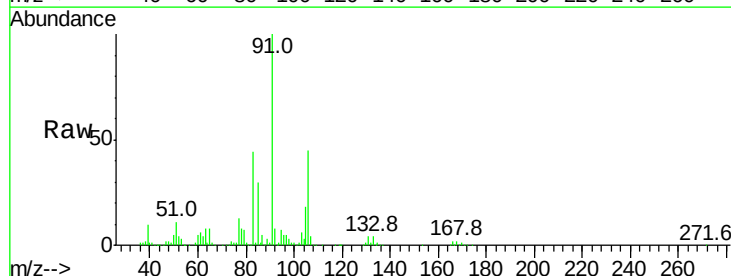
#59
m/p-Xylene
Concen: 8.38 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 12:29

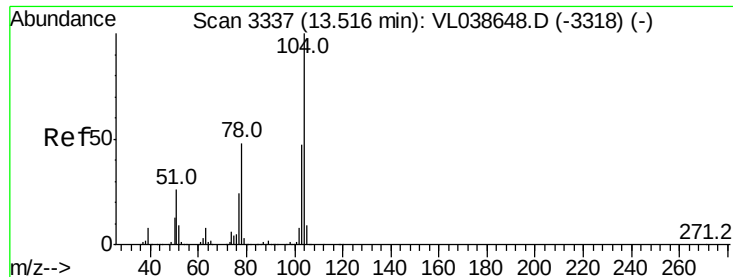
Tgt Ion: 91 Resp: 2334023
Ion Ratio Lower Upper
91 100
106 91.4 37.2 55.8#



#60
o-Xylene
Concen: 8.28 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038682.D
Acq: 22 Mar 2022 12:29

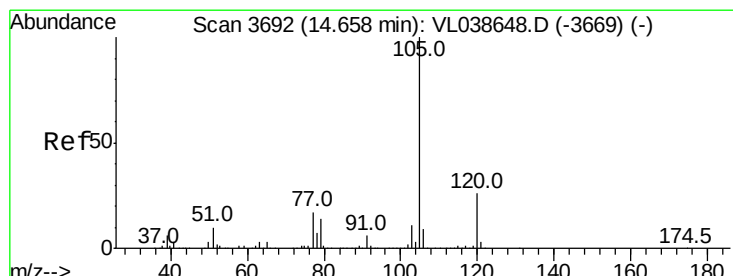
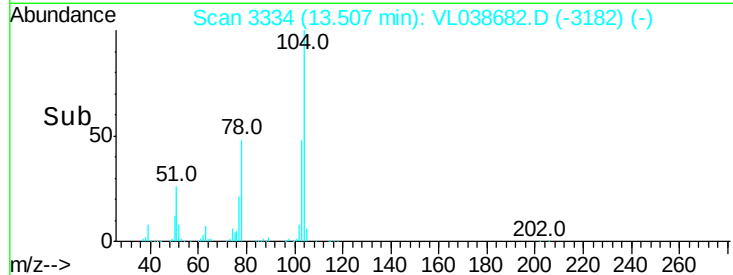
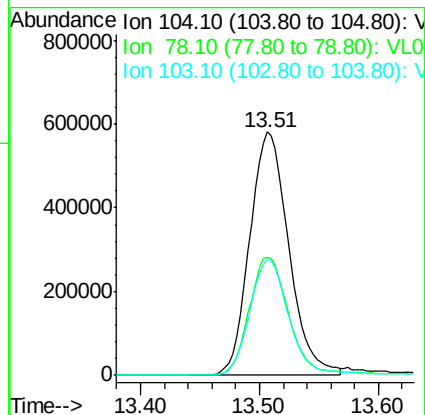
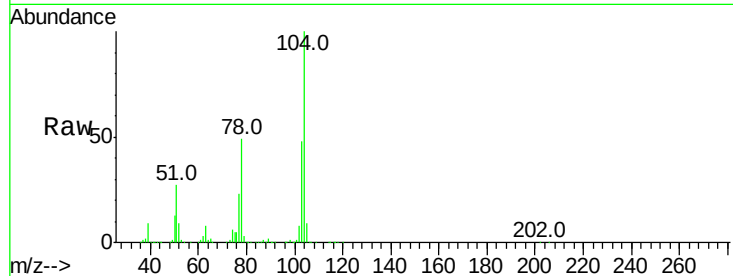
Tgt Ion: 91 Resp: 2190337
Ion Ratio Lower Upper
91 100
106 47.1 23.5 70.5





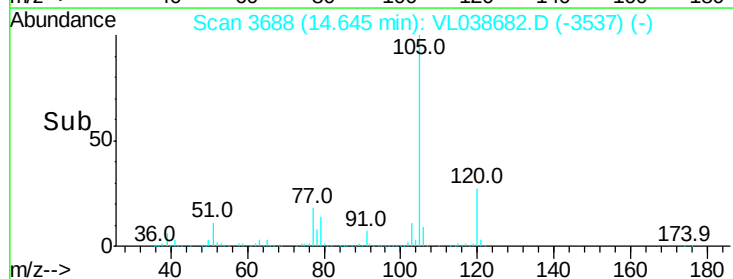
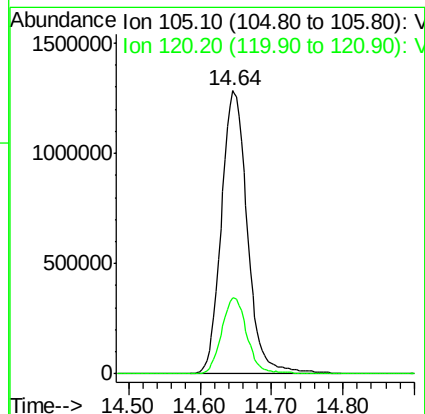
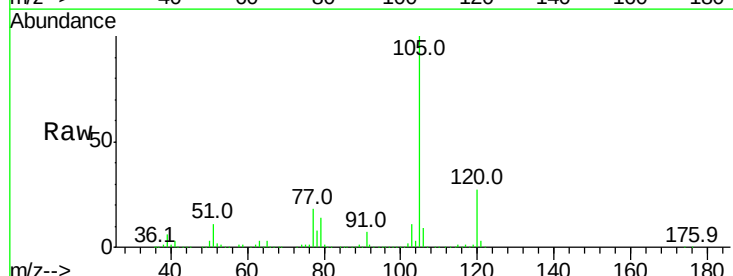
#61
 Styrene
 Concen: 9.23 ppbv
 RT: 13.51
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

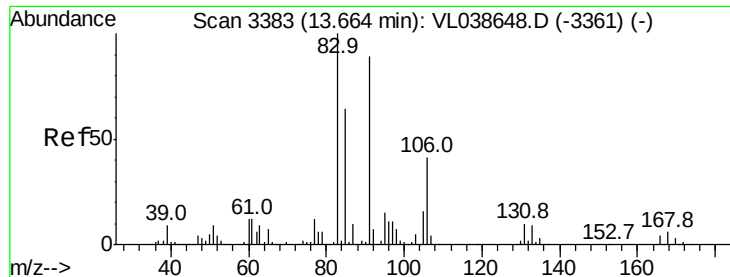
Tgt Ion:104 Resp: 1324333
 Ion Ratio Lower Upper
 104 100
 78 50.0 39.0 58.4
 103 48.2 37.8 56.8



#62
 Isopropylbenzene
 Concen: 8.19 ppbv
 RT: 14.64 min Scan# 3688
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

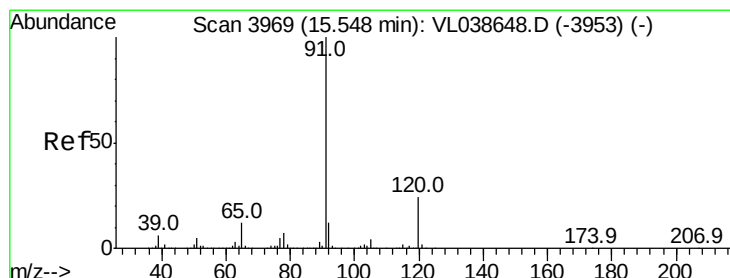
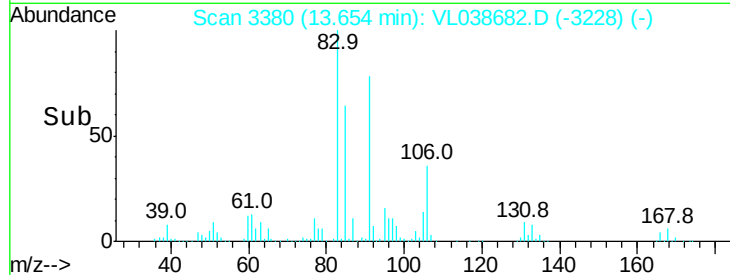
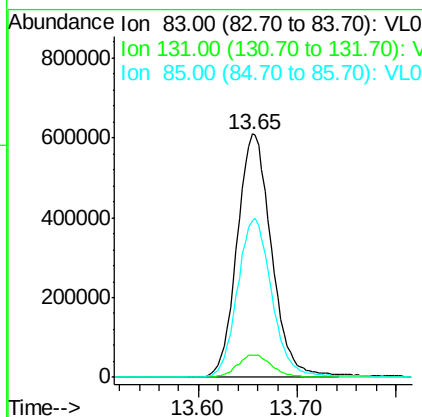
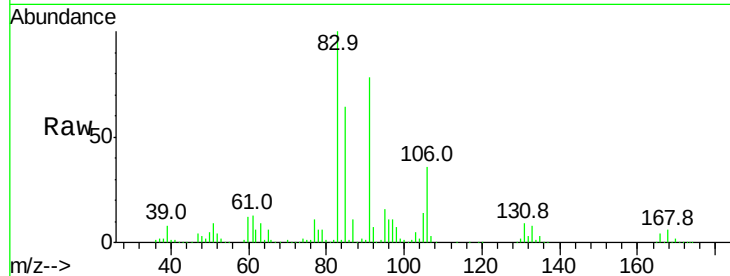
Tgt Ion:105 Resp: 3256758
 Ion Ratio Lower Upper
 105 100
 120 26.5 21.2 31.8





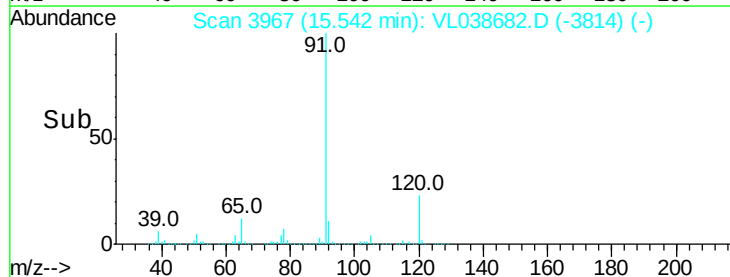
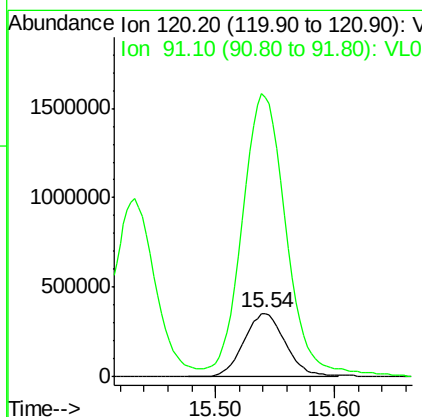
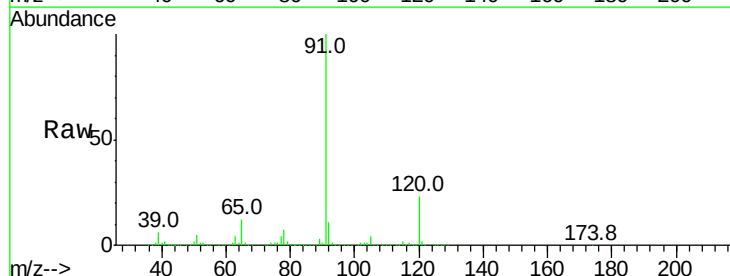
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.18 ppbv
 RT: 13.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

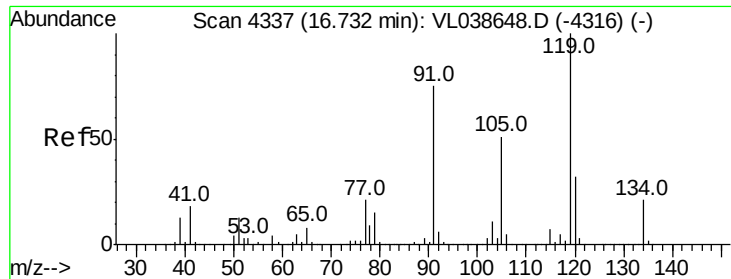
Tgt Ion: 83 Resp: 1471469
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 66.4 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.28 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

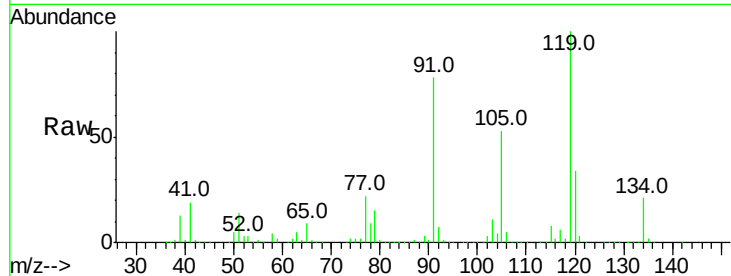
Tgt Ion: 120 Resp: 863771
 Ion Ratio Lower Upper
 120 100
 91 469.9 368.0 552.0



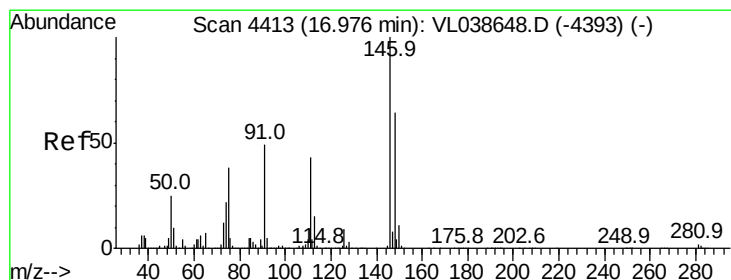
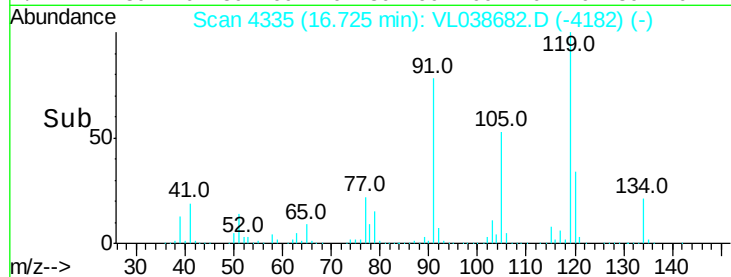
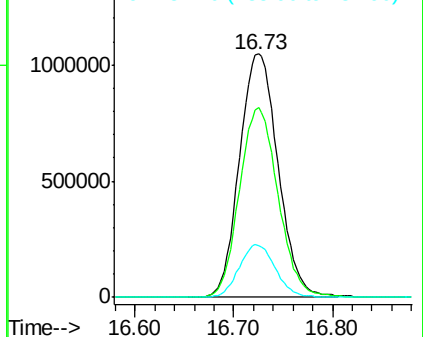


#65
 tert-Butylbenzene
 Concen: 7.95 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

Tgt Ion: 119 Resp: 2842344
 Ion Ratio Lower Upper
 119 100
 91 77.9 61.2 91.8
 134 20.4 16.3 24.5

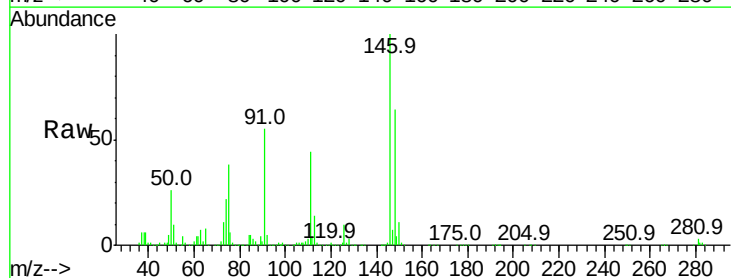


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VLO
 Ion 134.20 (133.90 to 134.90): V

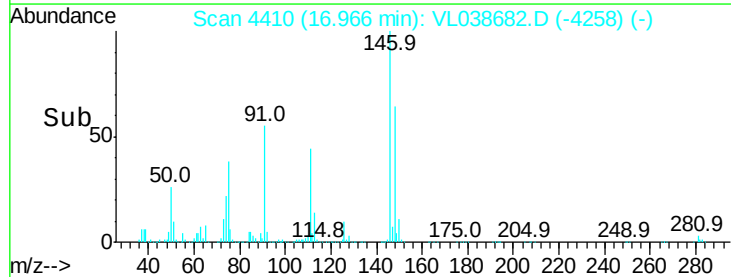
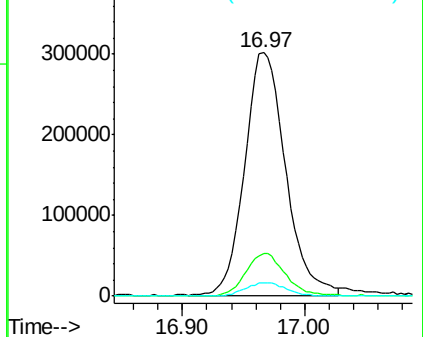


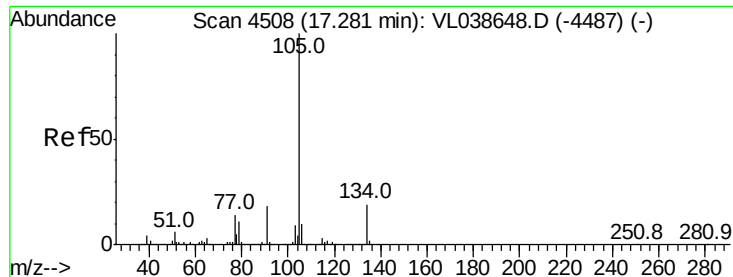
#66
 Benzyl Chloride
 Concen: 10.30 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 91 Resp: 696683
 Ion Ratio Lower Upper
 91 100
 126 17.5 14.3 21.5
 128 5.6 4.6 6.8



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





#67

sec-Butylbenzene

Concen: 8.06 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

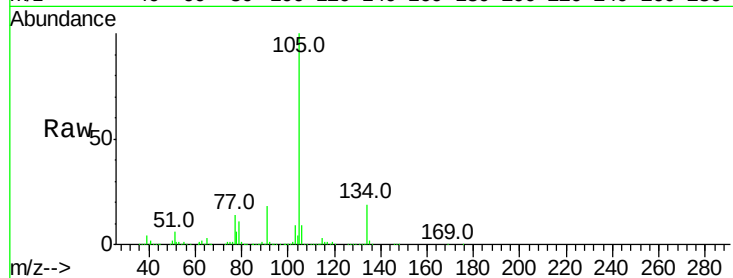
Acq: 22 Mar 2022 12:29

Tgt Ion: 105 Resp: 4117739

Ion Ratio Lower Upper

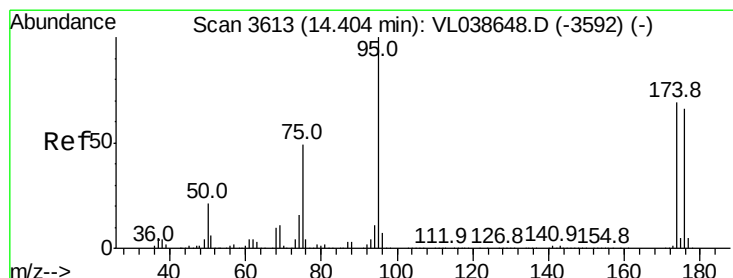
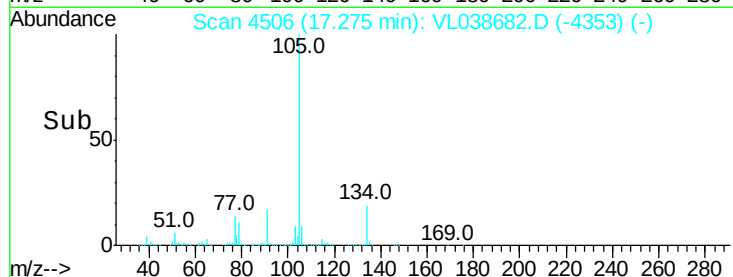
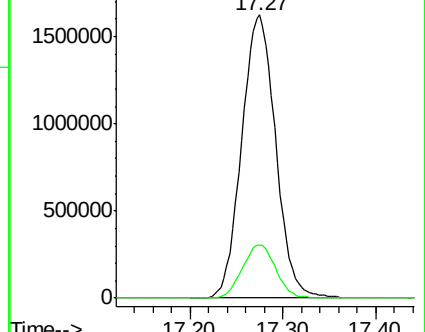
105 100

134 18.7 15.1 22.7



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: 8.11 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

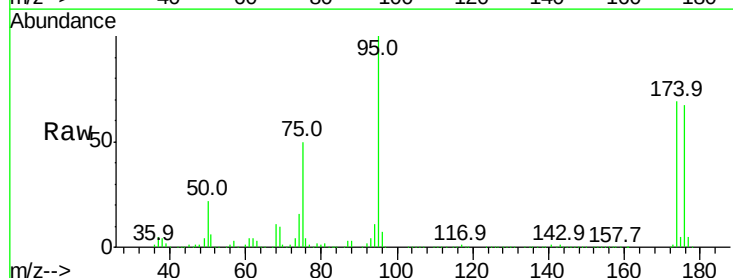
Tgt Ion: 95 Resp: 1693416

Ion Ratio Lower Upper

95 100

174 70.4 56.1 84.1

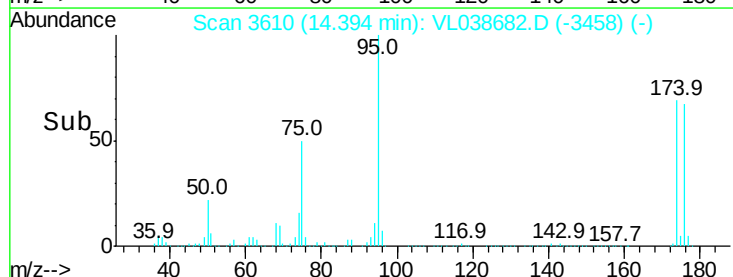
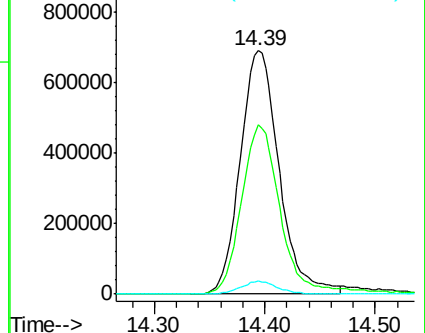
175 5.2 4.2 6.2

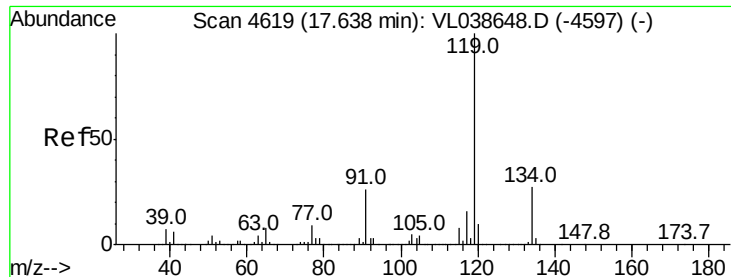


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

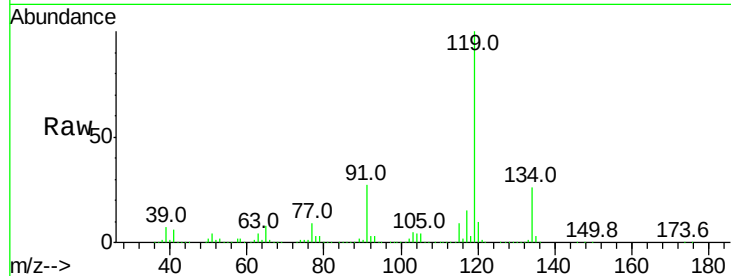
Ion 175.00 (174.70 to 175.70): V



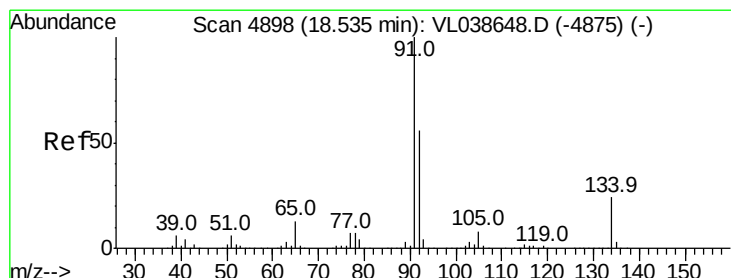
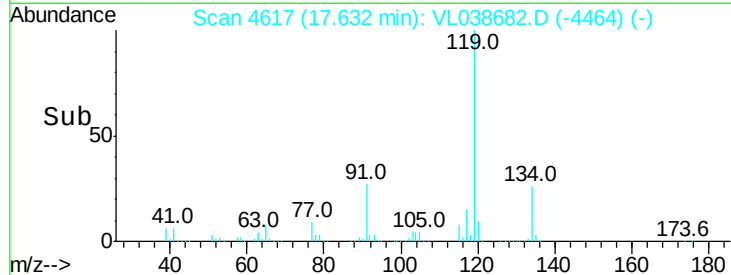
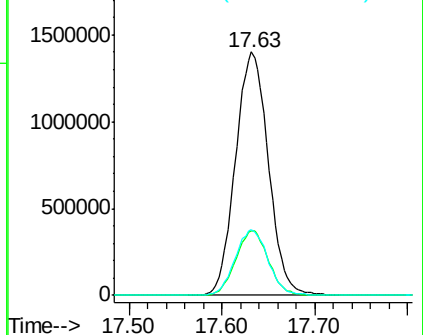


#69
 p-Isopropyltoluene
 Concen: 8.28 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 12:29

Tgt Ion: 119 Resp: 3451590
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.2 31.8
 91 26.8 21.4 32.2

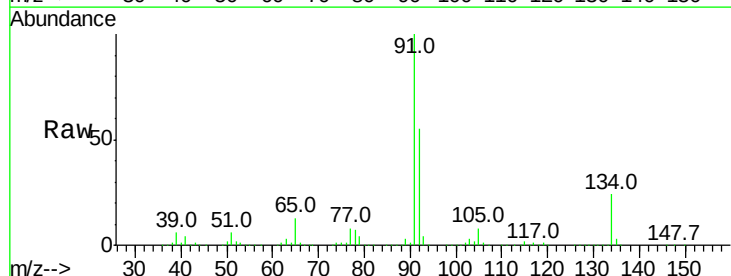


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

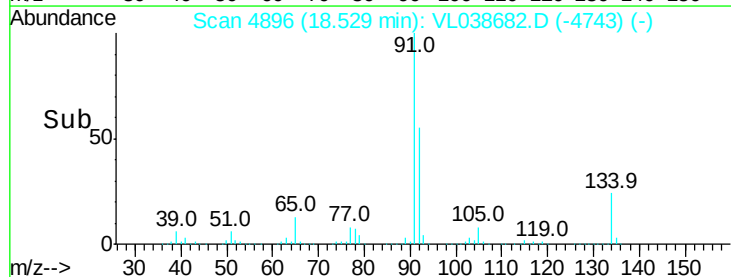
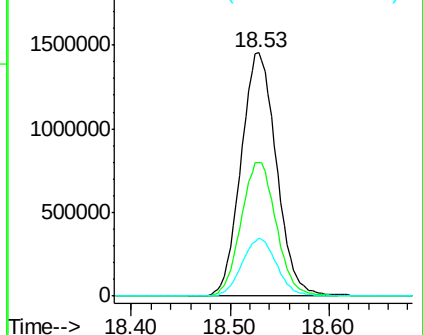


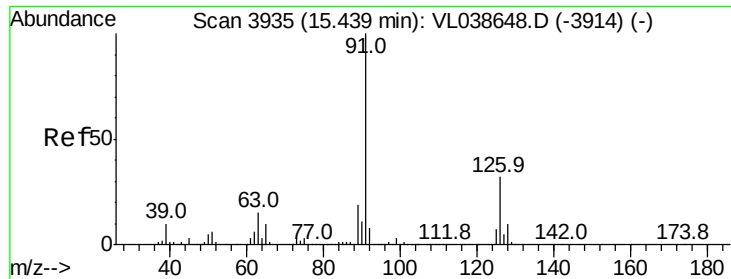
#70
 n-Butylbenzene
 Concen: 8.38 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 91 Resp: 3607050
 Ion Ratio Lower Upper
 91 100
 92 54.9 43.9 65.9
 134 23.3 18.7 28.1



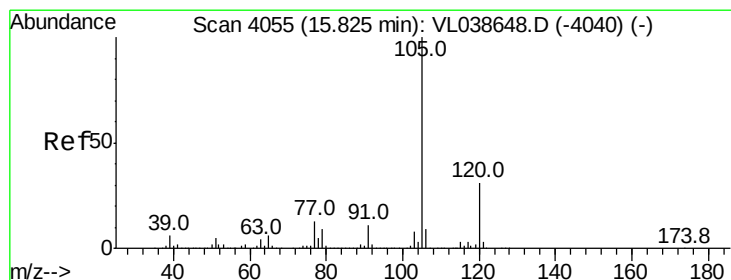
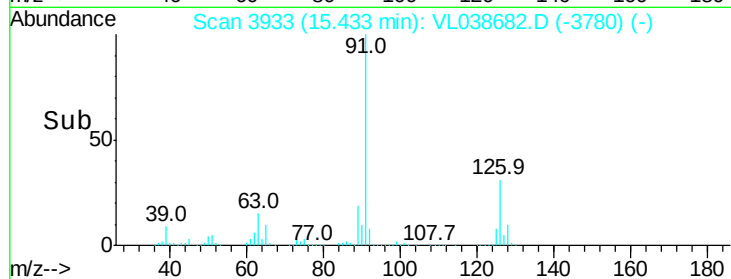
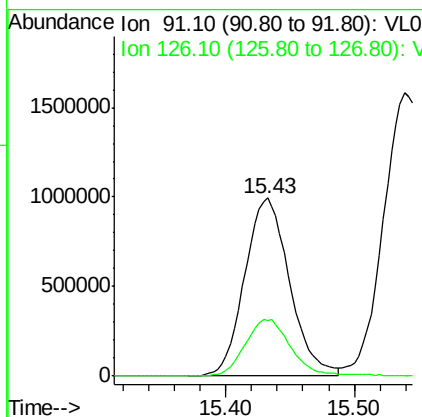
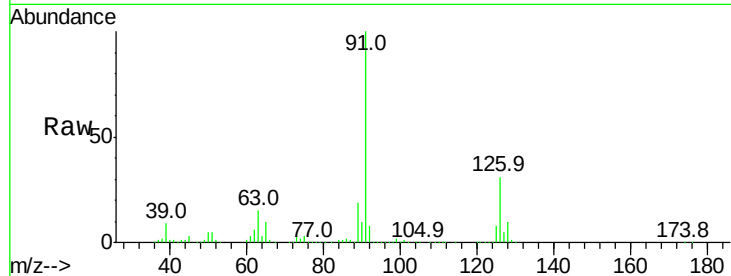
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





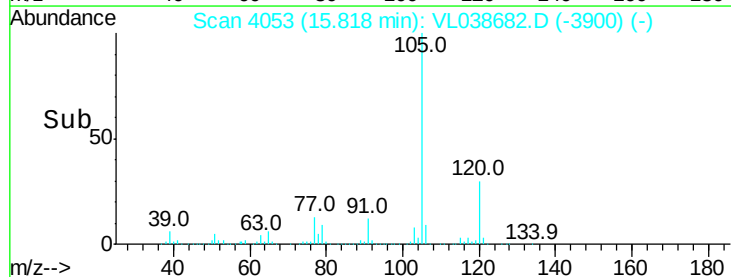
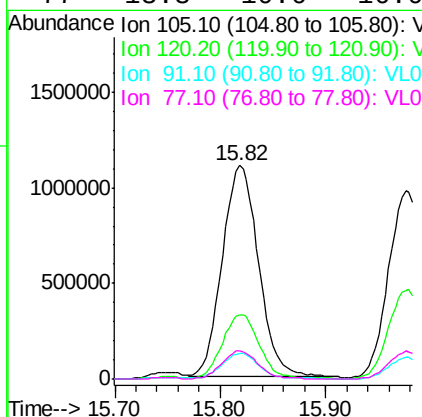
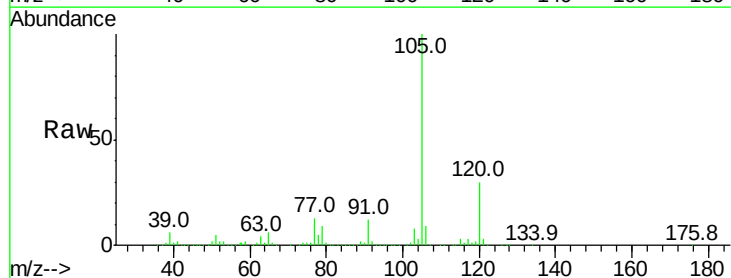
#71
 2-Chlorotoluene
 Concen: 8.16 ppbv
 RT: 15.43 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

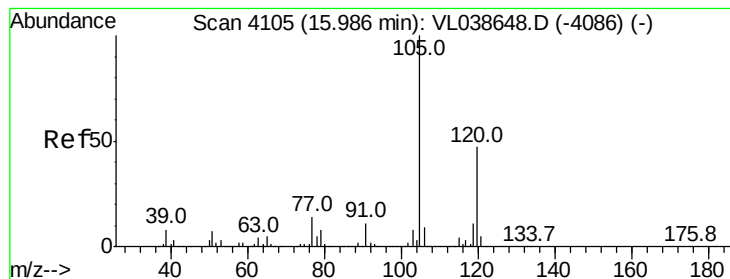
Tgt Ion: 91 Resp: 2409071
 Ion Ratio Lower Upper
 91 100
 126 33.1 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.47 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion: 105 Resp: 2645804
 Ion Ratio Lower Upper
 105 100
 120 31.1 24.9 37.3
 91 11.9 9.8 14.6
 77 13.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.30 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

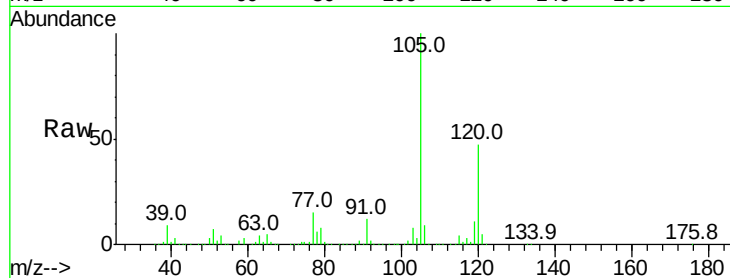
Acq: 22 Mar 2022 12:29

Tgt Ion:105 Resp: 2360343

Ion Ratio Lower Upper

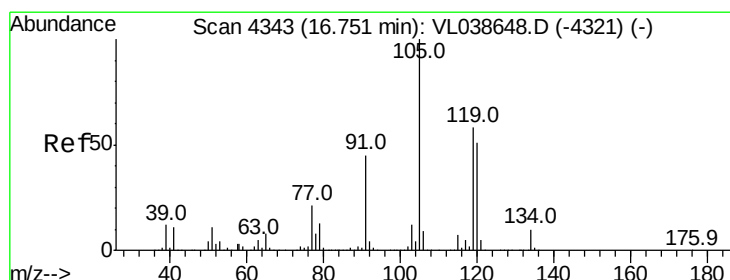
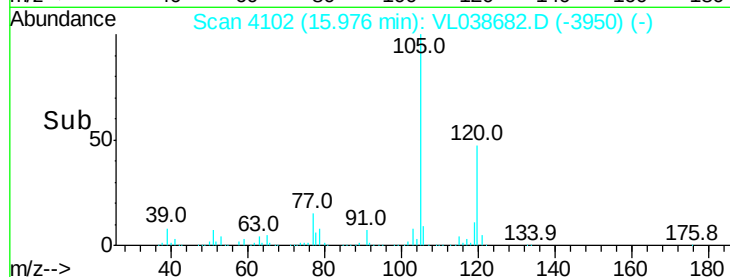
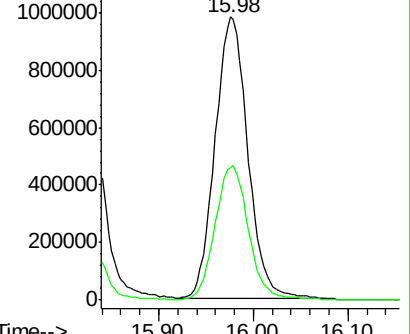
105 100

120 47.0 37.6 56.4



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: 8.14 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038682.D

Acq: 22 Mar 2022 12:29

Tgt Ion:105 Resp: 2523019

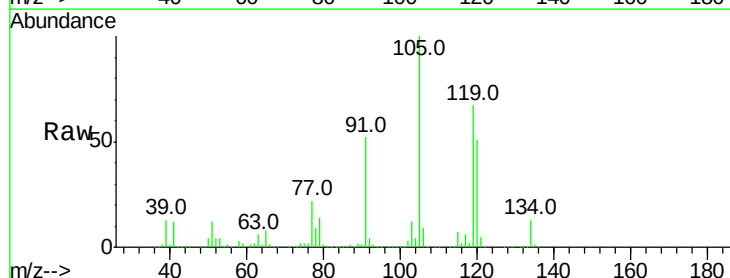
Ion Ratio Lower Upper

105 100

120 50.9 40.5 60.7

91 51.8 35.9 53.9

77 22.1 16.6 25.0

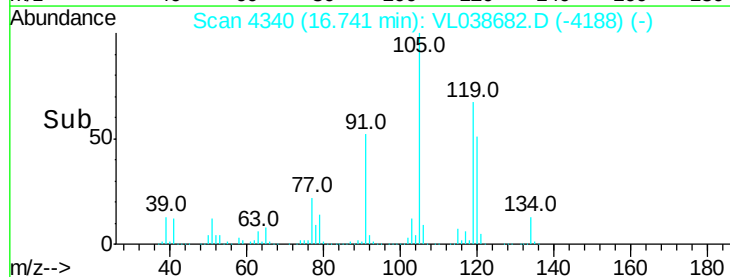
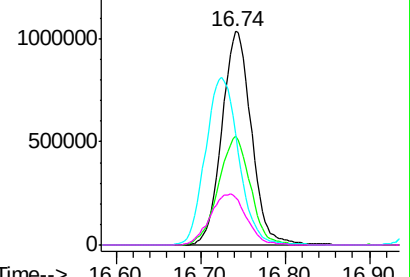


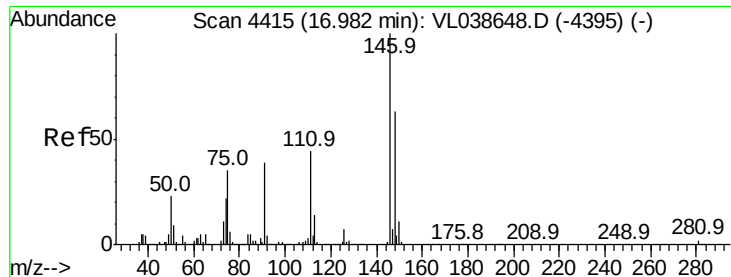
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

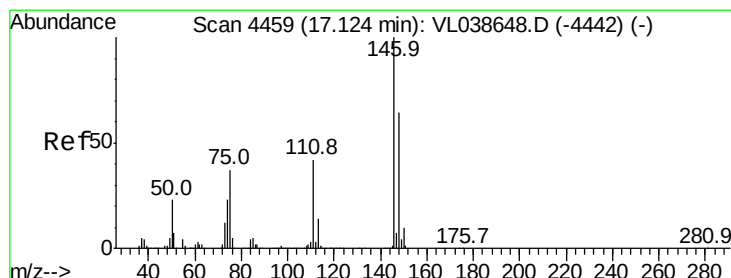
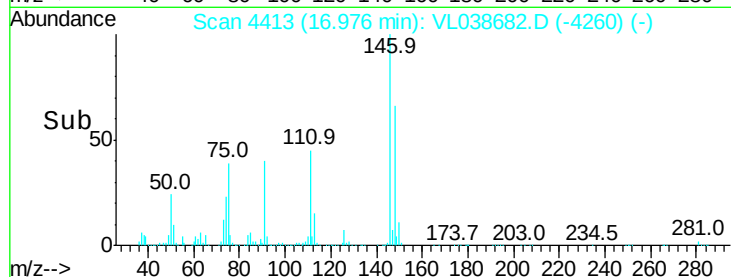
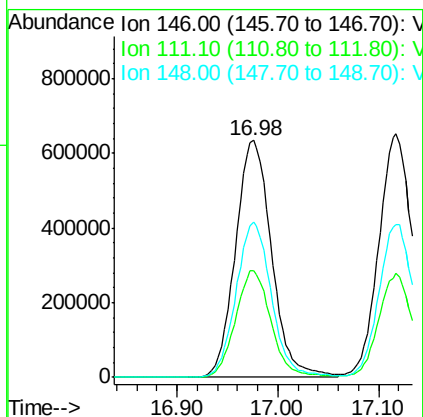
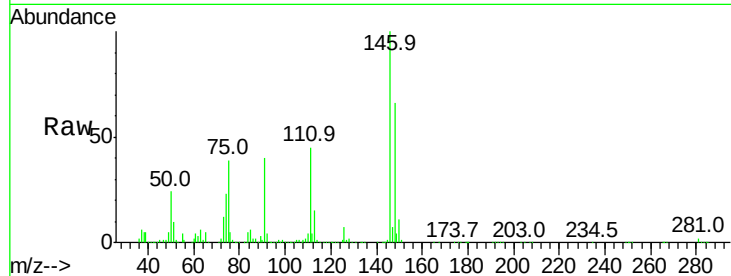
Ion 77.10 (76.80 to 77.80): VL0





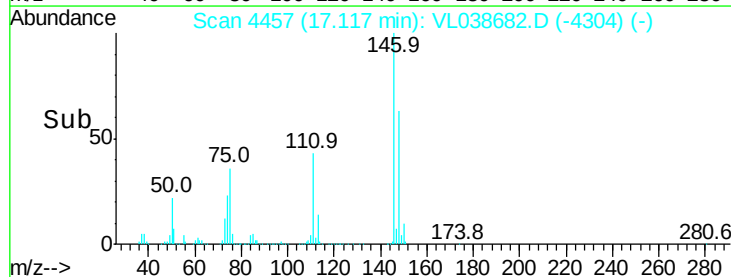
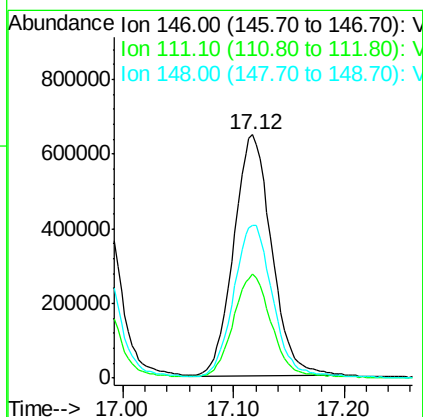
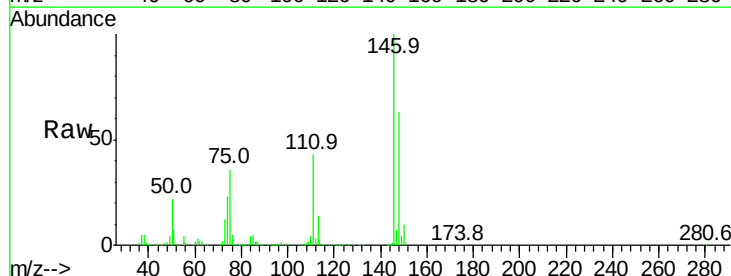
#75
 1,3-Dichlorobenzene
 Concen: 8.00 ppbv
 RT: 16.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

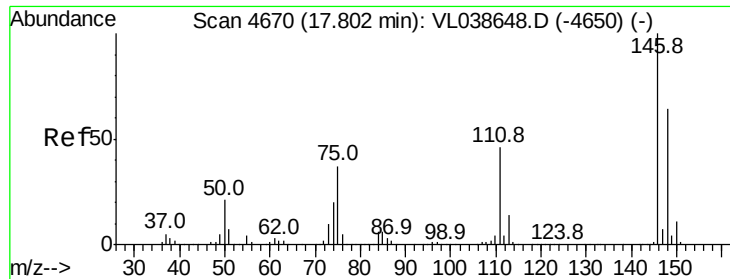
Tgt Ion:146 Resp: 1578746
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.2 66.6
 148 64.3 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.83 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

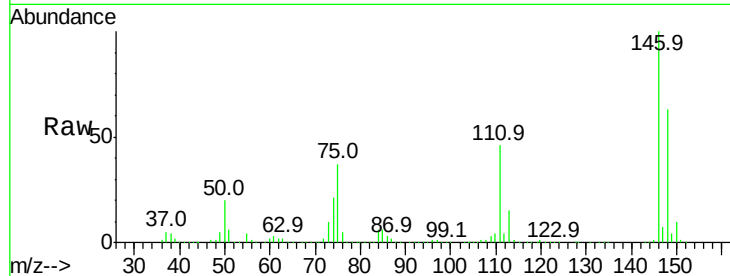
Tgt Ion:146 Resp: 1538148
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.2
 148 66.3 32.1 96.3



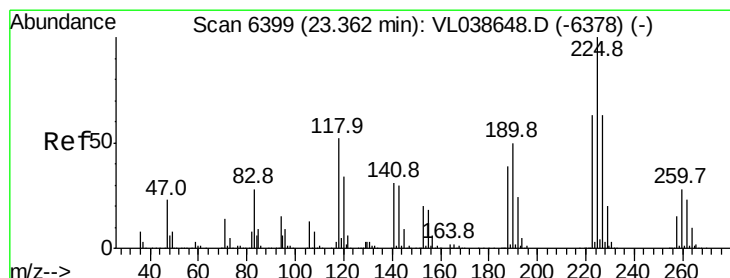
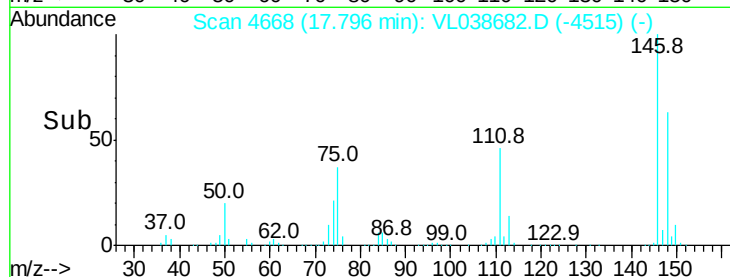
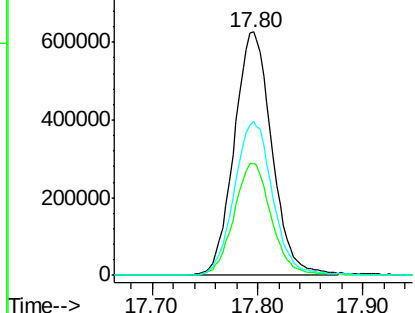


#77
 1,2-Dichlorobenzene
 Concen: 7.91 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

Tgt Ion:146 Resp: 1546961
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.8 68.4
 148 64.3 32.5 97.4

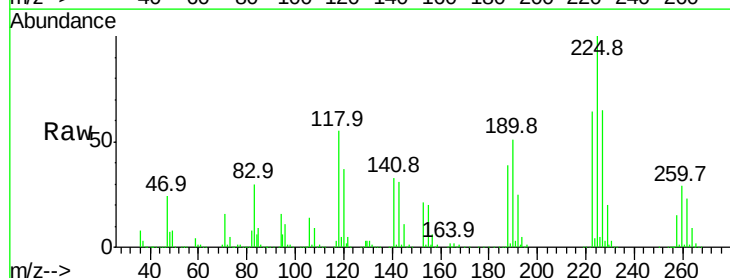


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

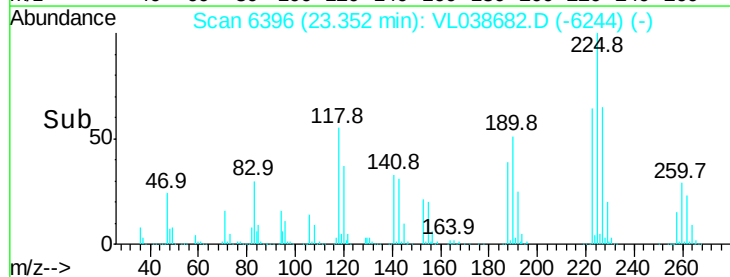
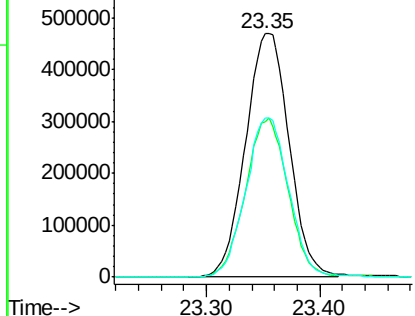


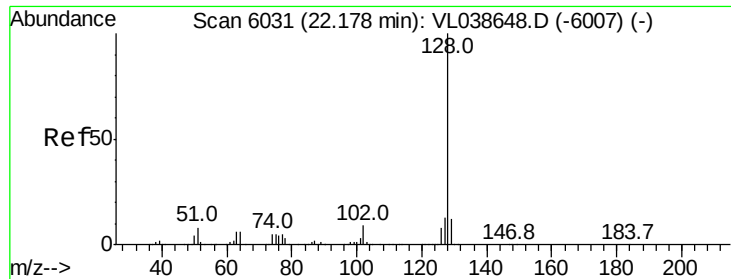
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.95 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.01 min
 Lab File: VL038682.D
 Acq: 22 Mar 2022 12:29

Tgt Ion:225 Resp: 1256185
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.0 76.6
 227 65.1 51.5 77.3



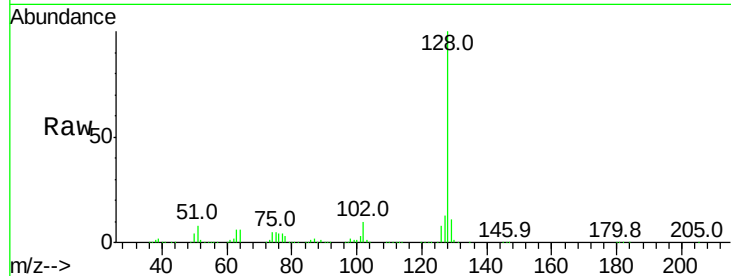
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



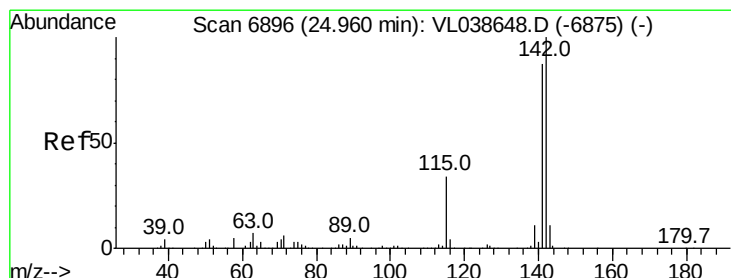
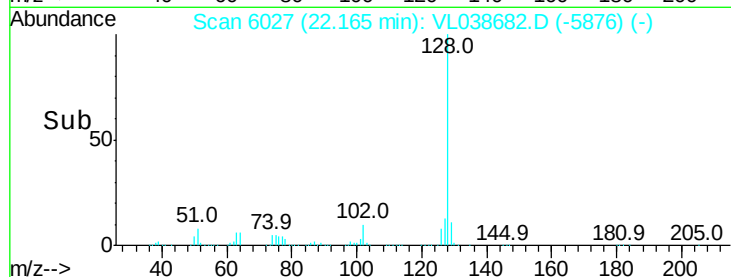
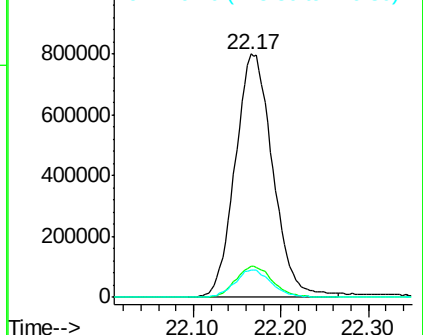


#79
Naphthalene
Concen: 10.07 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Mar 2022 12:29
VSTDCCC010

Tgt Ion:128 Resp: 2383969
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.2 9.2 13.8

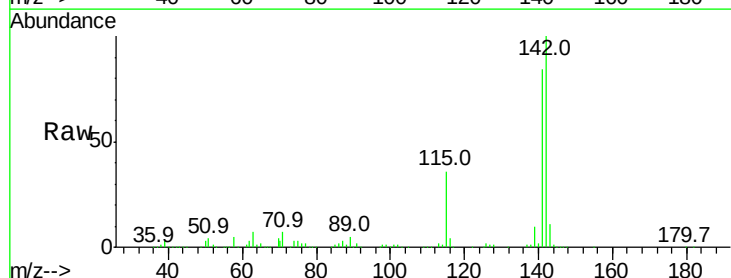


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

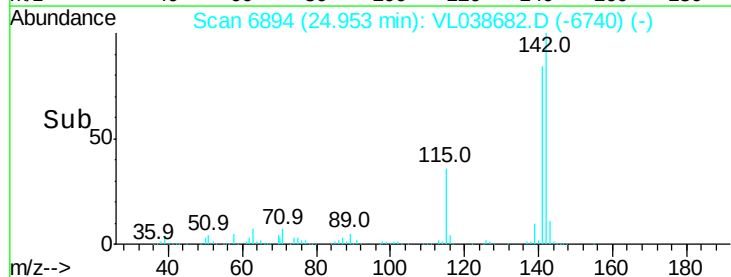
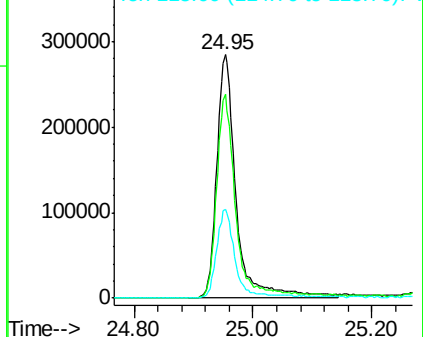


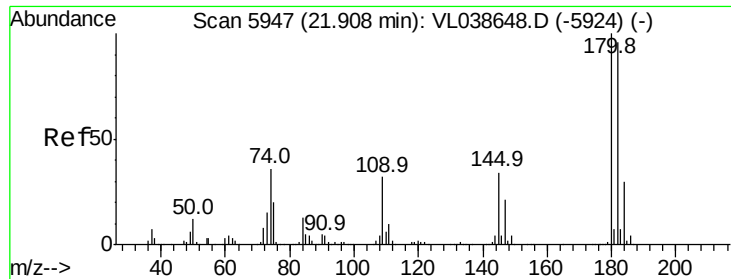
#80
Naphthalene, 2-methyl-
Concen: 10.22 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL038682.D
Acq: 22 Mar 2022 12:29

Tgt Ion:142 Resp: 649180
Ion Ratio Lower Upper
142 100
141 82.0 66.4 99.6
115 36.0 27.8 41.6



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





#81
 1,2,4-Trichlorobenzene
 Concen: 8.40 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 22 Mar 2022 12:29

Tgt Ion:180 Resp: 1361907
 Ion Ratio Lower Upper
 180 100
 182 98.8 79.2 118.8
 184 31.4 24.8 37.2

