

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038553.D
 Acq On : 8 Mar 2022 11:08
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Mar 08 13:48:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	923790	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2444296	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2804774	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1778101	7.66	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1271424	8.69	ppbv	97
3) Chlorodifluoromethane	2.99	51	1482473	9.09	ppbv	97
4) Chloromethane	3.14	50	561942	9.91	ppbv	98
5) Vinyl Chloride	3.25	62	539698	9.11	ppbv	99
6) Bromomethane	3.47	94	302077	9.67	ppbv	96
7) Chloroethane	3.55	64	181041	9.51	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1242913	9.13	ppbv	92
9) Propene	3.01	41	534682	9.93	ppbv	98
10) Heptane	8.11	43	1352906	10.32	ppbv	100
11) Trichlorofluoromethane	3.94	101	1136301	8.11	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	879587	8.56	ppbv	89
13) Ethanol	3.60	45	49570	9.22	ppbv	94
14) Bromoethene	3.74	108	399695	9.77	ppbv #	96
15) Acetone	3.84	43	580797	7.39	ppbv	98
16) 1,3-Butadiene	3.32	39	499595	9.52	ppbv	94
17) tert-Butyl alcohol	4.28	59	681569	8.70	ppbv	99
18) 1,1-Dichloroethene	4.28	96	395970	8.78	ppbv	93
19) Isopropyl Alcohol	3.96	45	398553	8.76	ppbv	99
20) Methylene Chloride	4.34	84	329731	8.47	ppbv	93
21) Allyl Chloride	4.40	41	605422	9.12	ppbv	93
22) trans-1,2-Dichloroethene	4.88	96	429132	9.43	ppbv	94
23) Vinyl Acetate	5.06	43	936165	8.99	ppbv	99
24) 1,1-Dichloroethane	5.00	63	794036	8.48	ppbv	100
25) Ethyl Acetate	5.66	43	2105223	9.97	ppbv	99
26) Hexane	5.68	57	984236	10.30	ppbv	95
27) Carbon Disulfide	4.54	76	1027810	9.67	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	823355	8.46	ppbv	99
29) Chloroform	5.74	83	1500911	9.62	ppbv	98
30) Cyclohexane	7.12	84	838759	10.73	ppbv	93
31) cis-1,2-Dichloroethene	5.54	61	949889	10.26	ppbv	93
32) 1,1,1-Trichloroethane	6.50	97	1446299	9.22	ppbv	98
34) 2-Butanone	5.23	43	645669	8.40	ppbv	99
35) Carbon Tetrachloride	7.01	117	1520228	8.84	ppbv	100
36) Benzene	6.88	78	2095350	9.74	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1037812	8.35	ppbv #	96
38) Trichloroethene	7.82	130	791684	10.10	ppbv	91
39) 1,2-Dichloropropane	7.60	63	811834	9.47	ppbv	94
40) 1,4-Dioxane	7.82	88	200756	9.88	ppbv	84
41) Tetrahydrofuran	6.04	42	527744	10.16	ppbv	98
42) Bromodichloromethane	7.78	83	1608163	8.96	ppbv	99
43) Methyl Methacrylate	8.00	69	772508	10.33	ppbv	92

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Quant Time: Mar 08 13:48:42 2022
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3433574	9.28	ppbv	97
45) t-1,3-Dichloropropene	9.27	75	600291	10.04	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	791307	10.10	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	822598	9.65	ppbv	95
48) Dibromochloromethane	10.29	129	1380977	9.90	ppbv	100
49) Bromoform	13.02	173	1083748	10.53	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1332610	9.80	ppbv	97
51) 2-Hexanone	10.12	43	590361	9.70	ppbv #	95
52) Tetrachloroethene	11.21	164	727539	10.18	ppbv	93
53) Toluene	9.79	91	2327003	9.96	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1184261	9.87	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	867379	7.42	ppbv	97
57) Chlorobenzene	12.13	112	1619892	7.49	ppbv	96
58) Ethyl Benzene	12.70	91	2878456	7.50	ppbv	98
59) m/p-Xylene	12.99	91	2575951	7.82	ppbv #	34
60) o-Xylene	13.68	91	2215253	7.11	ppbv	95
61) Styrene	13.51	104	1246799	8.68	ppbv	95
62) Isopropylbenzene	14.65	105	3077732	7.36	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1654117	6.54	ppbv	99
64) n-propylbenzene	15.55	120	817063	7.90	ppbv	94
65) tert-Butylbenzene	16.73	119	2738501	7.57	ppbv	92
66) Benzyl Chloride	16.97	91	180439	9.23	ppbv #	95
67) sec-Butylbenzene	17.28	105	3937774	7.68	ppbv	99
69) p-Isopropyltoluene	17.64	119	3366435	8.36	ppbv	96
70) n-Butylbenzene	18.54	91	3603214	8.64	ppbv	98
71) 2-Chlorotoluene	15.44	91	2344683	7.30	ppbv	95
72) 4-Ethyltoluene	15.82	105	2661659	7.76	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	2395871	7.69	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	2555230	7.77	ppbv #	89
75) 1,3-Dichlorobenzene	16.98	146	1644461	8.93	ppbv	97
76) 1,4-Dichlorobenzene	17.12	146	1604111	8.83	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	1637136	9.23	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	1488443	11.00	ppbv	99
79) Naphthalene	22.18	128	2926654	16.42	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	547717	15.73	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	1634096	15.16	ppbv	98

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

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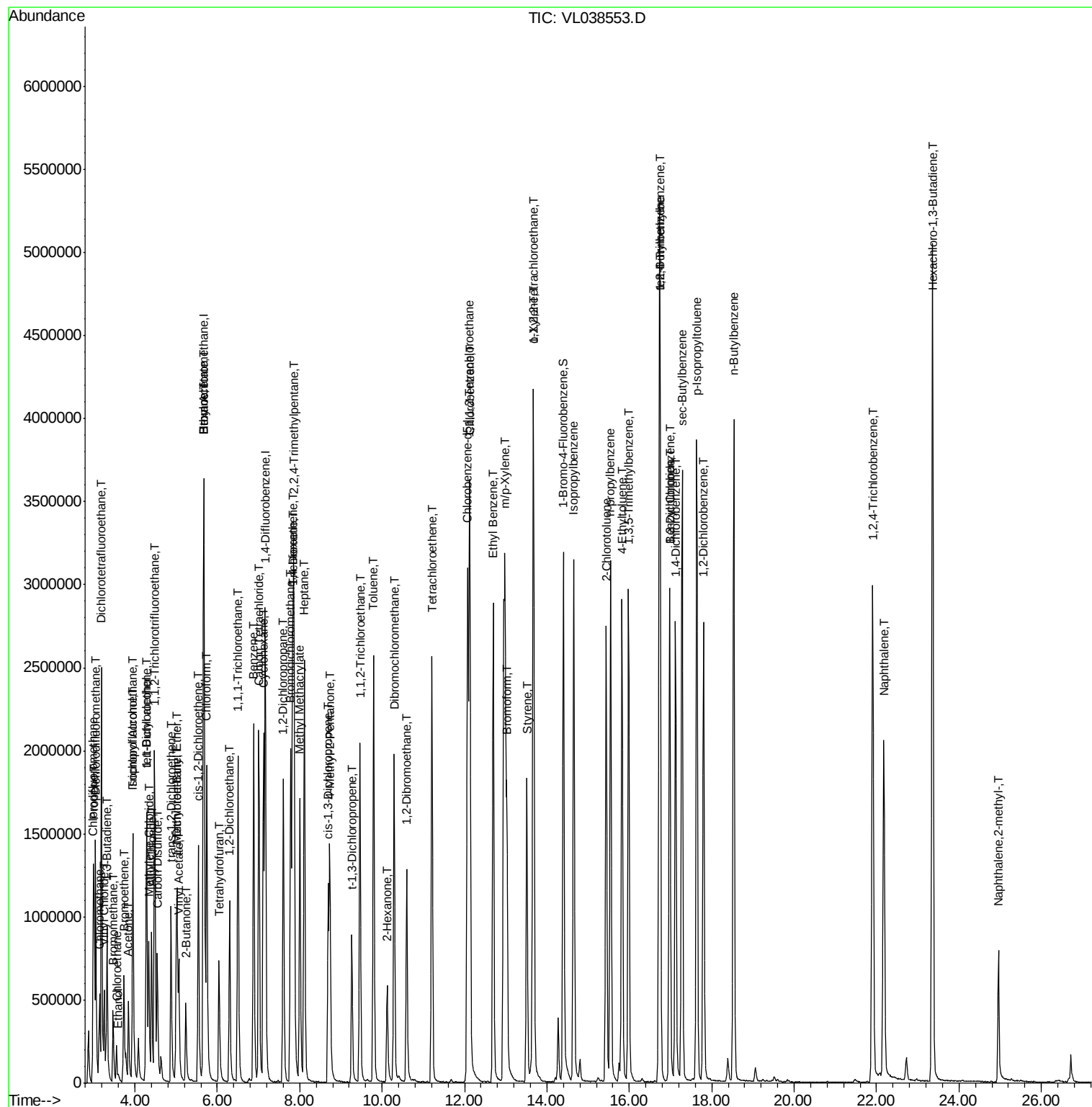
Quant Time: Mar 08 13:48:42 2022

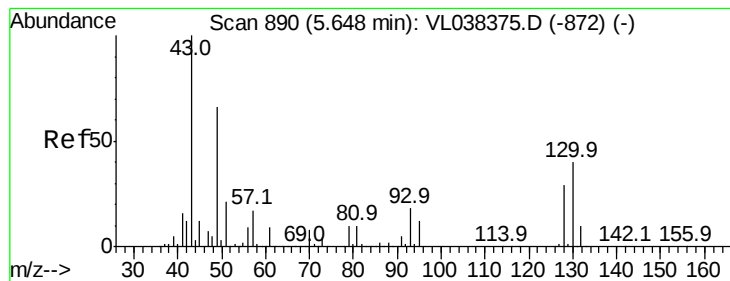
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

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QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08 VSTDICCC010

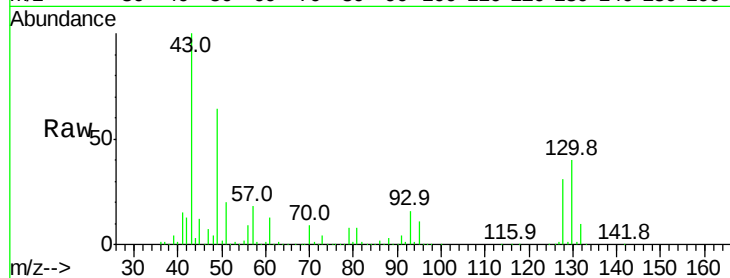
Tgt Ion: 49 Resp: 923790

Ion Ratio Lower Upper

49 100

128 52.8 24.3 72.9

130 65.9 30.1 90.5



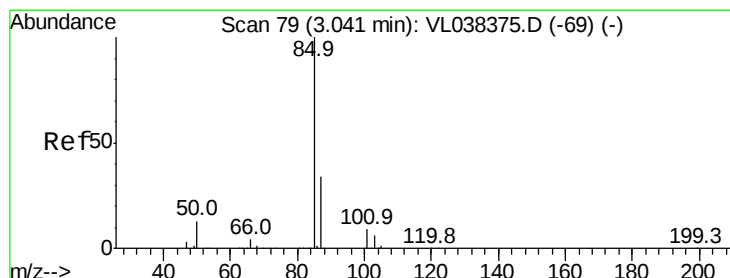
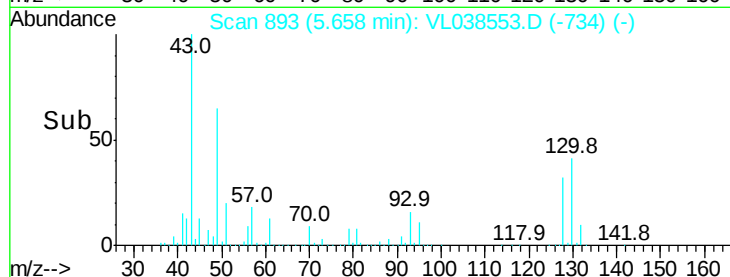
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.69 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL038553.D

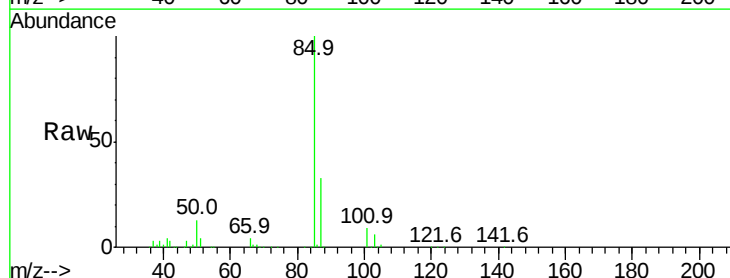
Acq: 8 Mar 2022 11:08

Tgt Ion: 85 Resp: 1271424

Ion Ratio Lower Upper

85 100

87 32.7 27.4 41.0

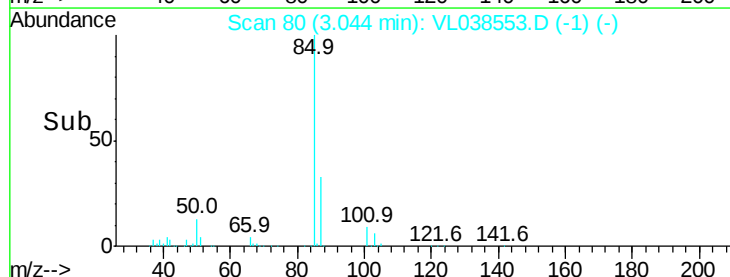


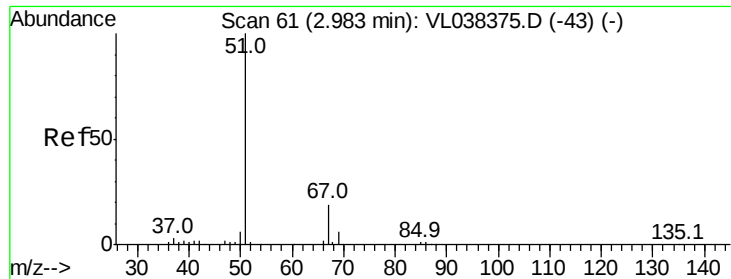
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 9.09 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

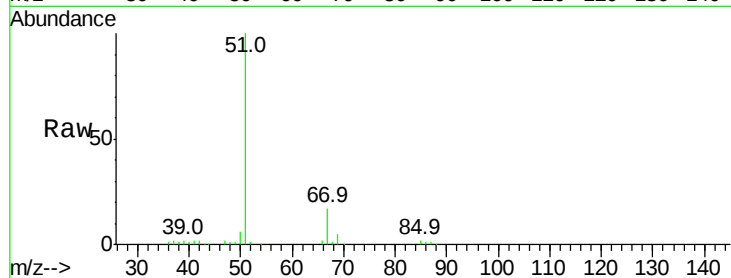
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 51 Resp: 1482473

Ion Ratio Lower Upper

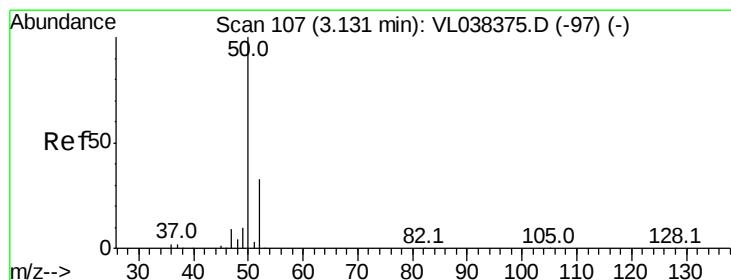
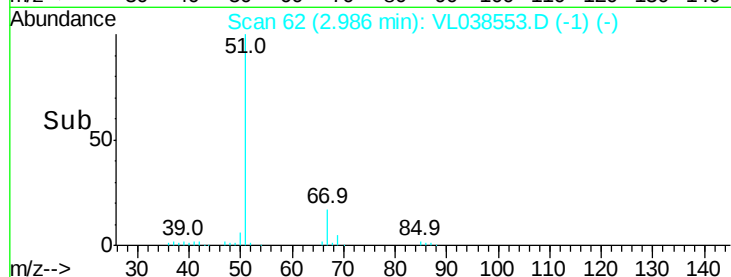
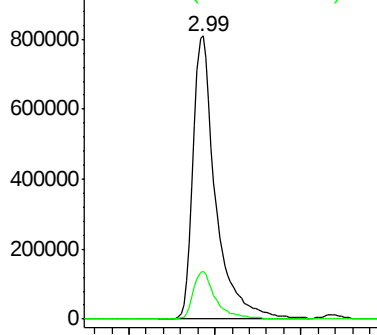
51 100

67 17.0 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.91 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL038553.D

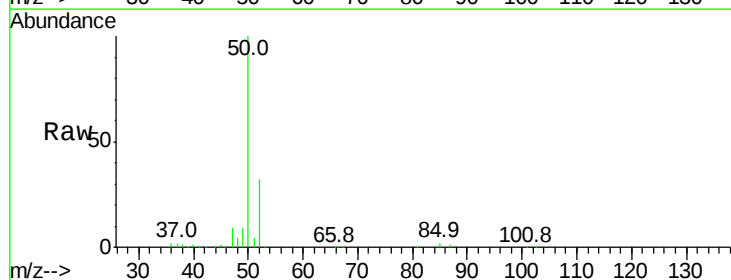
Acq: 8 Mar 2022 11:08

Tgt Ion: 50 Resp: 561942

Ion Ratio Lower Upper

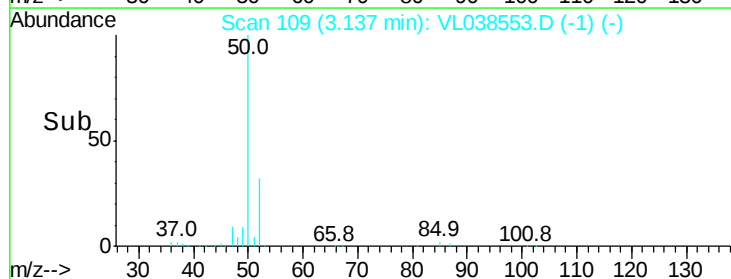
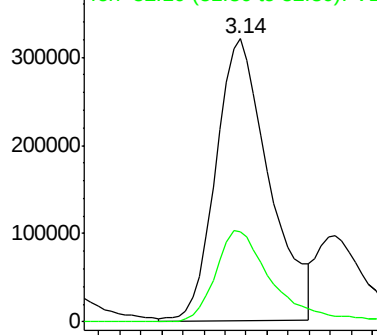
50 100

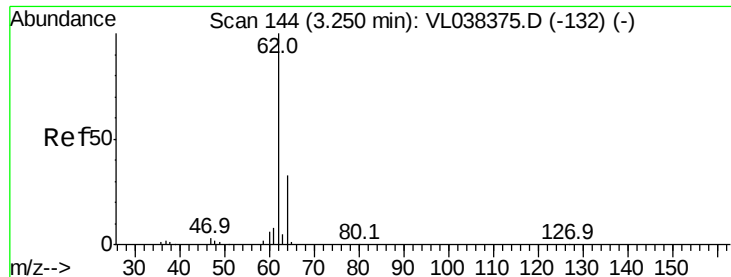
52 32.0 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.11 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

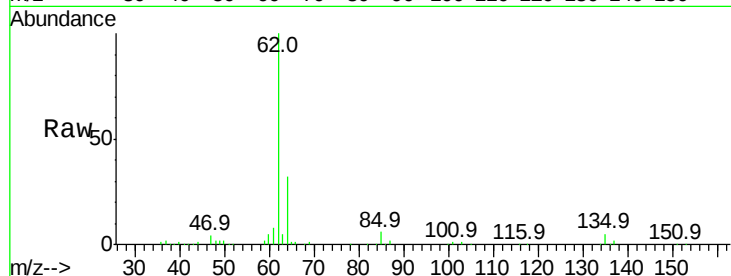
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 62 Resp: 539698

Ion Ratio Lower Upper

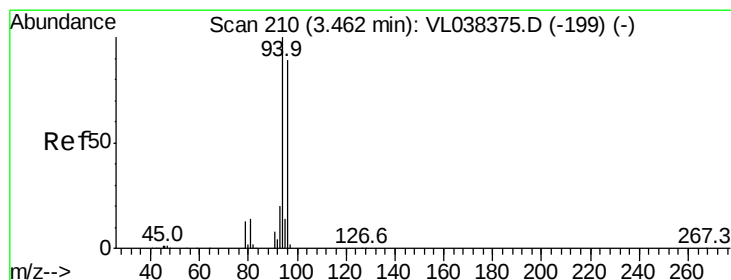
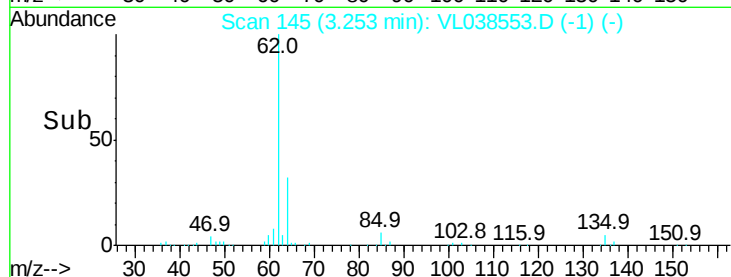
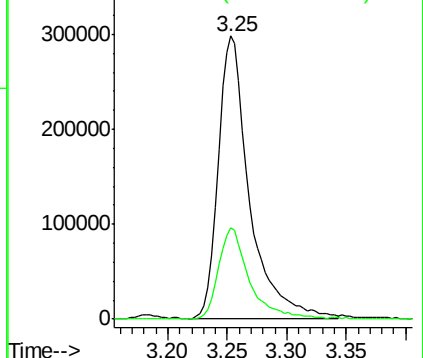
62 100

64 32.2 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.67 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL038553.D

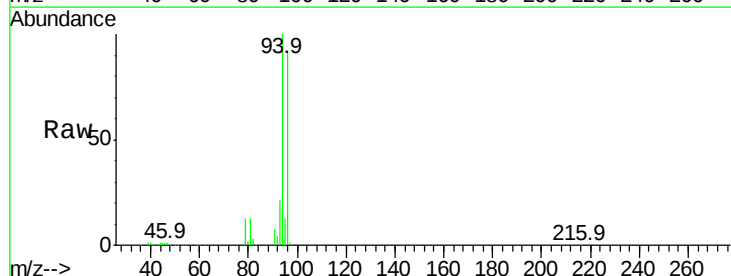
Acq: 8 Mar 2022 11:08

Tgt Ion: 94 Resp: 302077

Ion Ratio Lower Upper

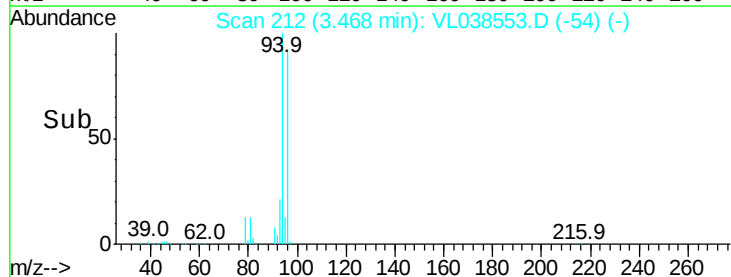
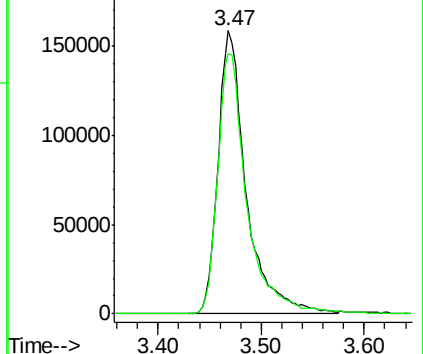
94 100

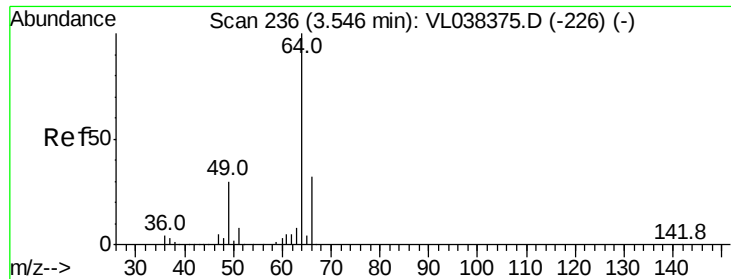
96 92.1 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.51 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

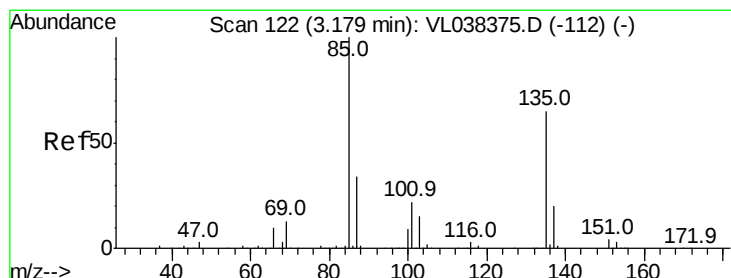
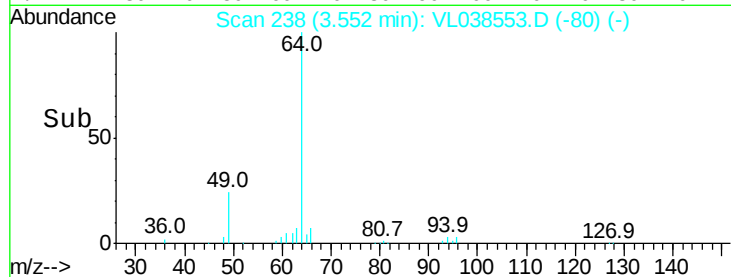
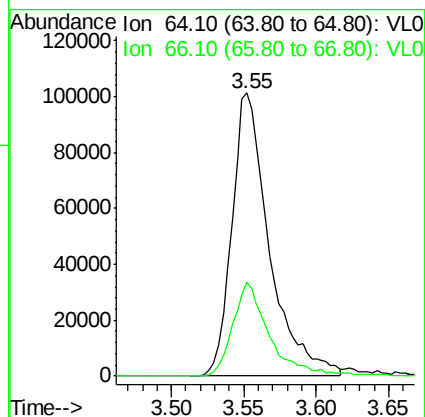
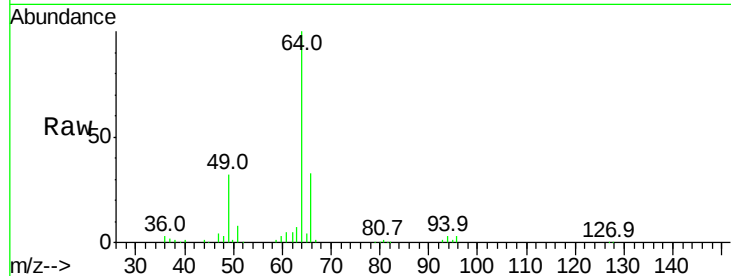
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 64 Resp: 181041

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 9.13 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL038553.D

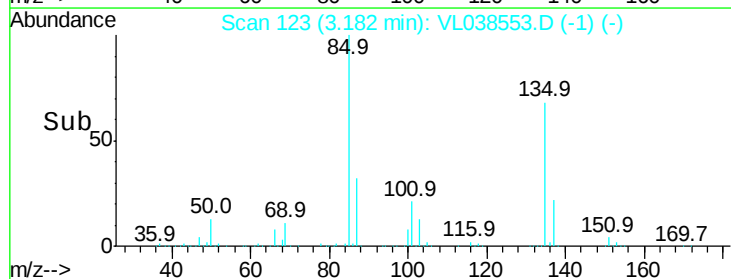
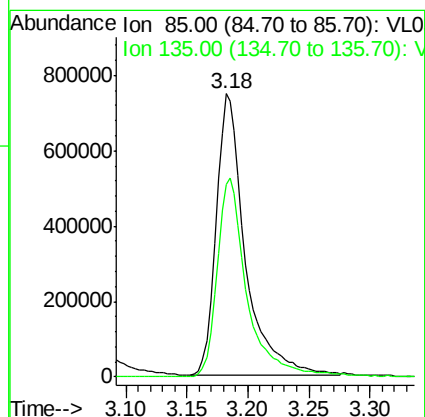
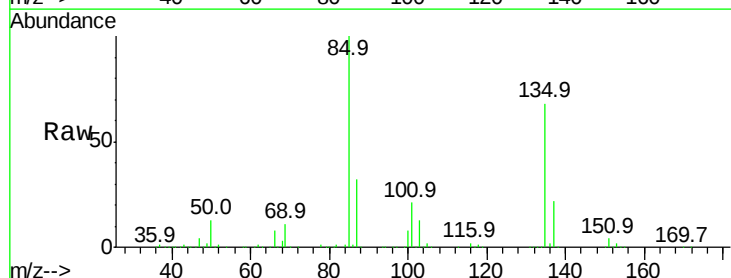
Acq: 8 Mar 2022 11:08

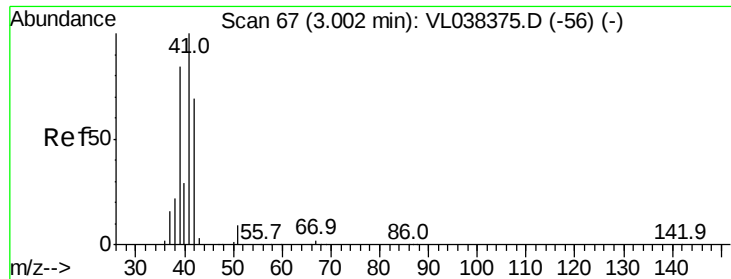
Tgt Ion: 85 Resp: 1242913

Ion Ratio Lower Upper

85 100

135 73.7 54.1 81.1





#9

Propene

Concen: 9.93 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

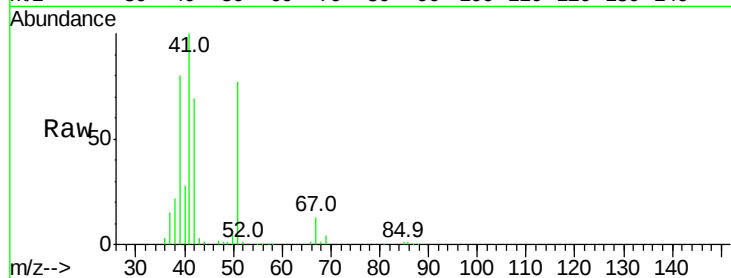
Acq: 8 Mar 2022 11:08

Tgt Ion: 41 Resp: 534682

Ion Ratio Lower Upper

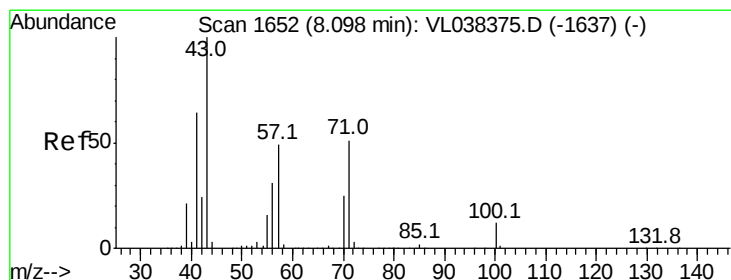
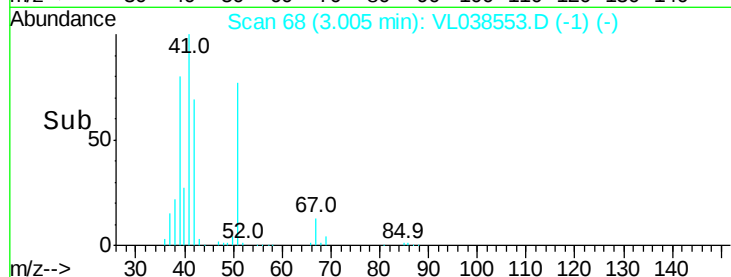
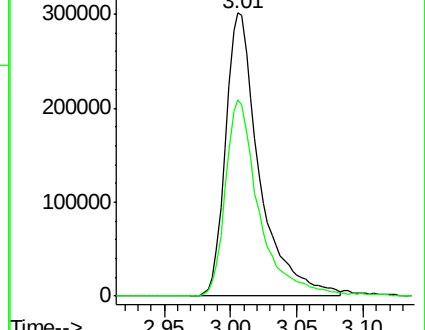
41 100

42 69.6 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.32 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL038553.D

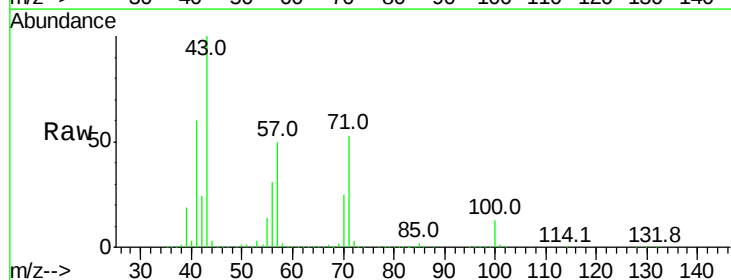
Acq: 8 Mar 2022 11:08

Tgt Ion: 43 Resp: 1352906

Ion Ratio Lower Upper

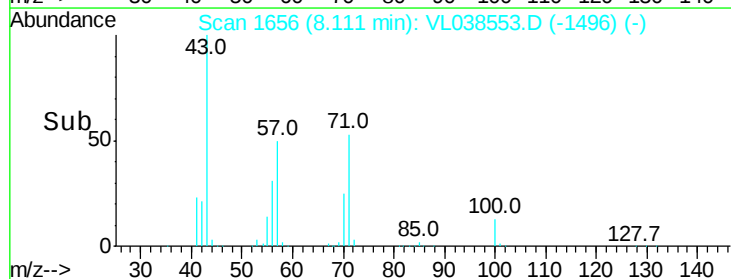
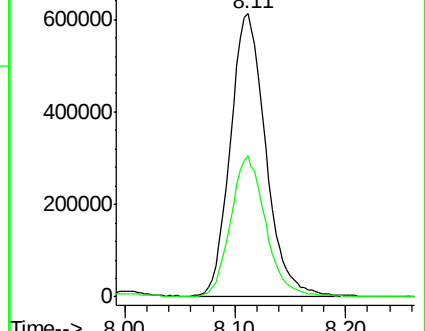
43 100

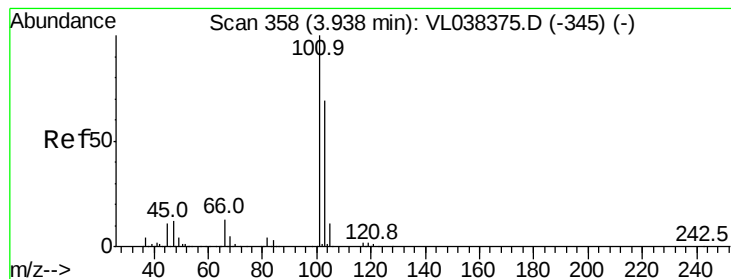
57 49.5 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.11 ppbv

RT: 3.94 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

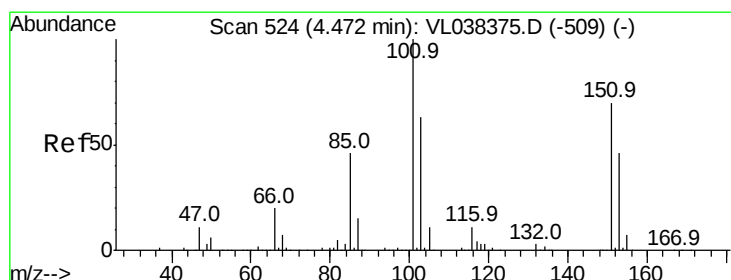
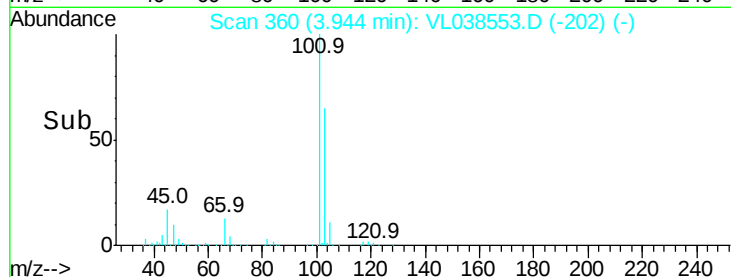
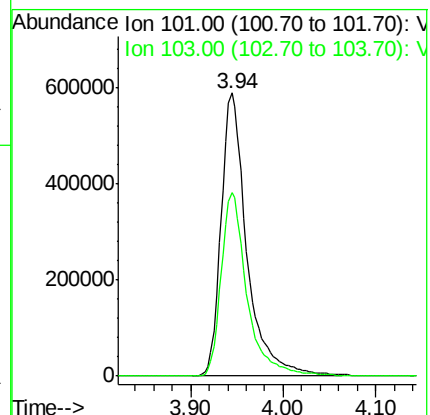
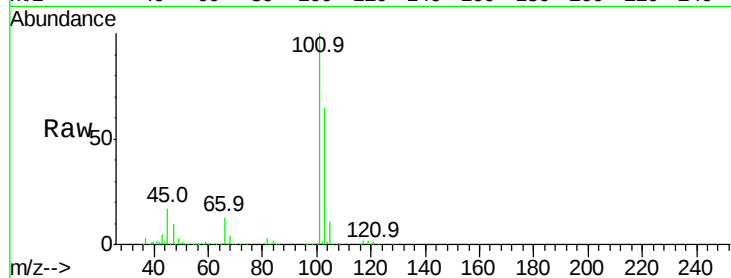
Acq: 8 Mar 2022 11:08

Tgt Ion:101 Resp: 1136301

Ion Ratio Lower Upper

101 100

103 65.0 55.0 82.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.56 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL038553.D

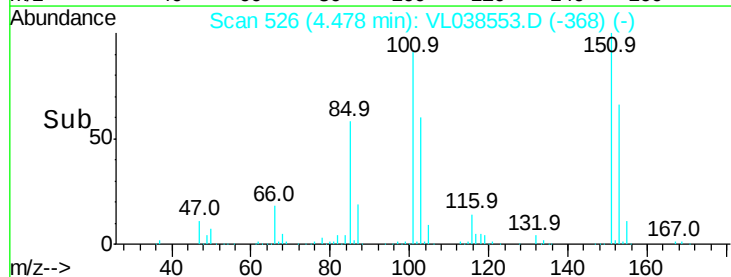
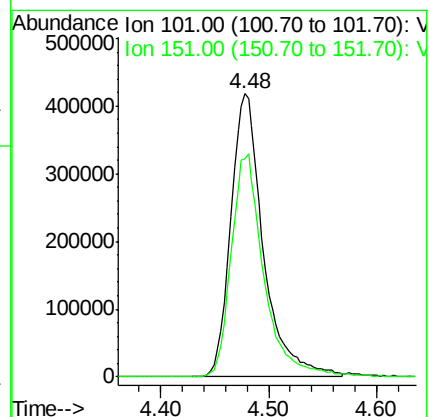
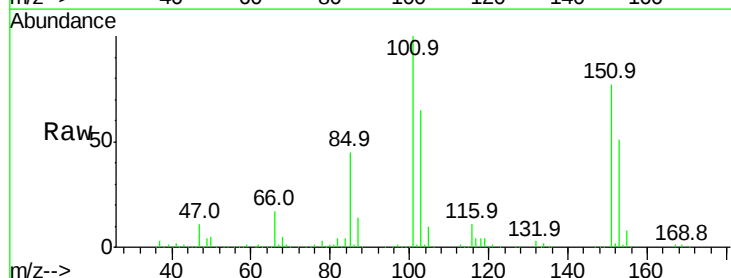
Acq: 8 Mar 2022 11:08

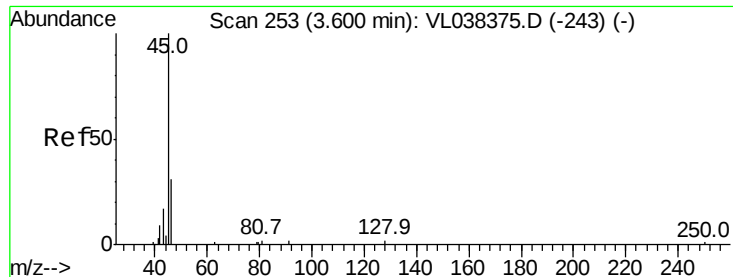
Tgt Ion:101 Resp: 879587

Ion Ratio Lower Upper

101 100

151 79.2 55.9 83.9





#13

Ethanol

Concen: 9.22 ppbv

RT: 3.60 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

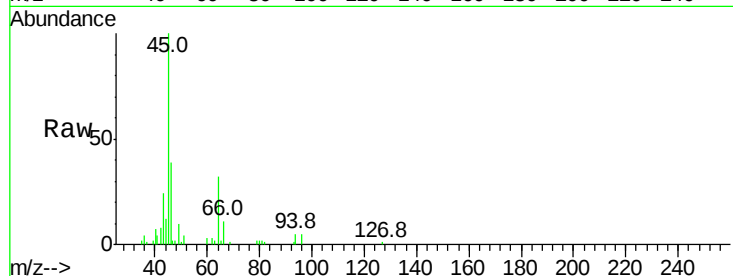
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 45 Resp: 49570

Ion Ratio Lower Upper

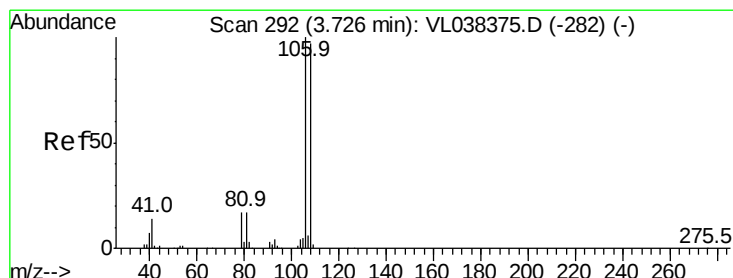
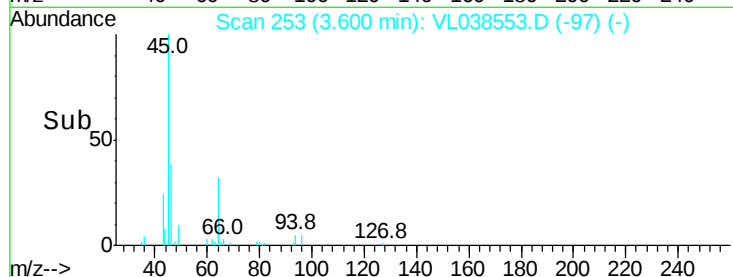
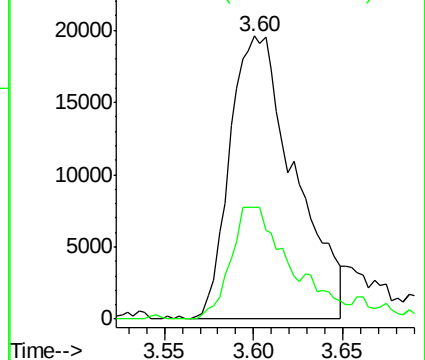
45 100

46 41.9 18.2 72.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.77 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

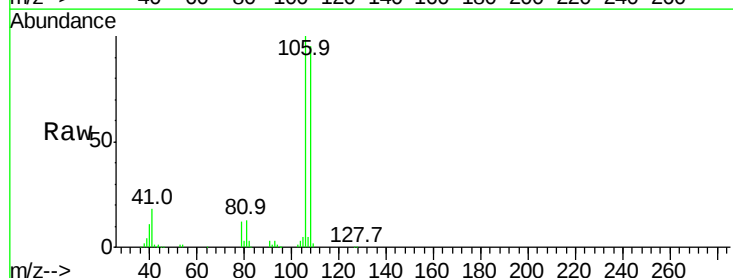
Tgt Ion: 108 Resp: 399695

Ion Ratio Lower Upper

108 100

106 107.4 88.4 132.6

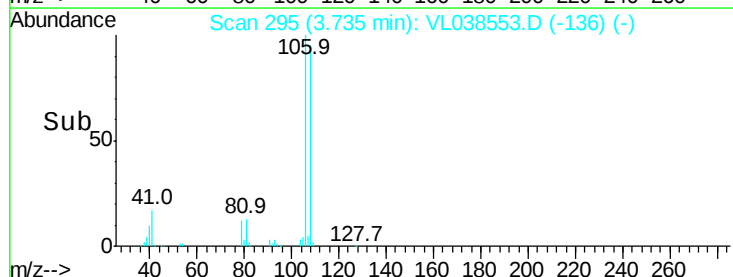
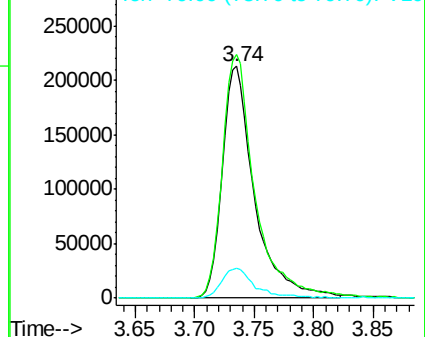
79 13.8 15.0 22.6

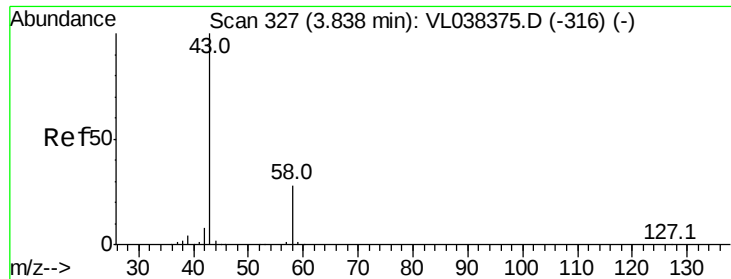


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.39 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

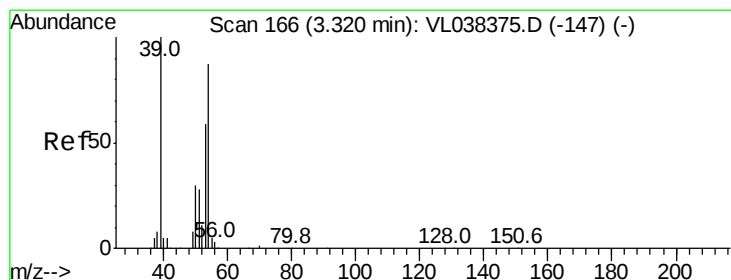
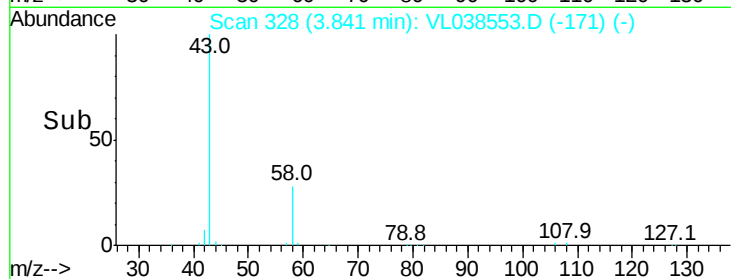
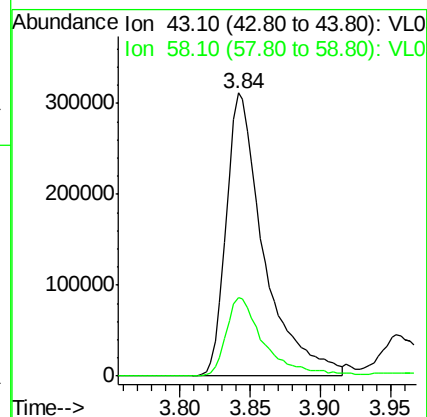
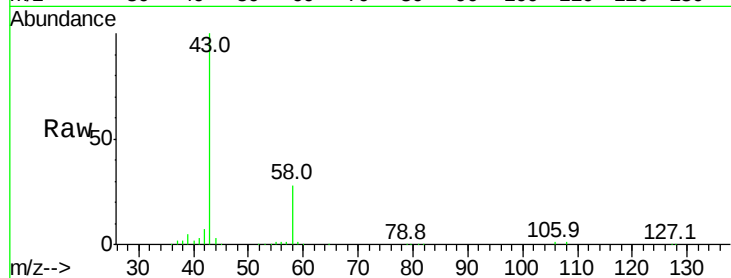
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 43 Resp: 580797

Ion Ratio Lower Upper

43 100

58 28.4 21.7 32.5



#16

1,3-Butadiene

Concen: 9.52 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL038553.D

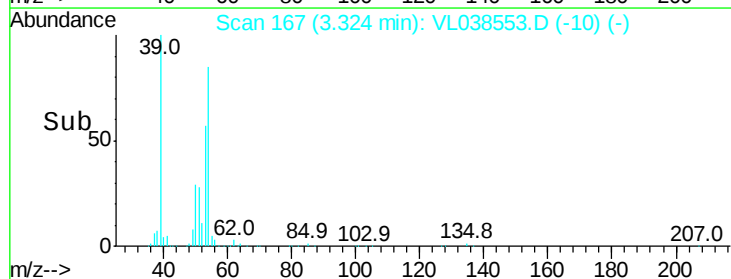
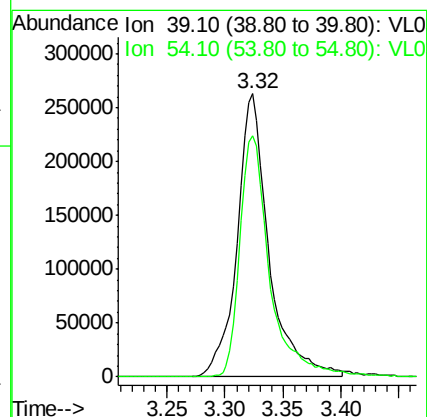
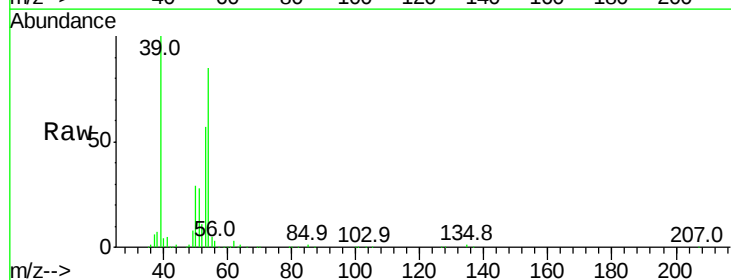
Acq: 8 Mar 2022 11:08

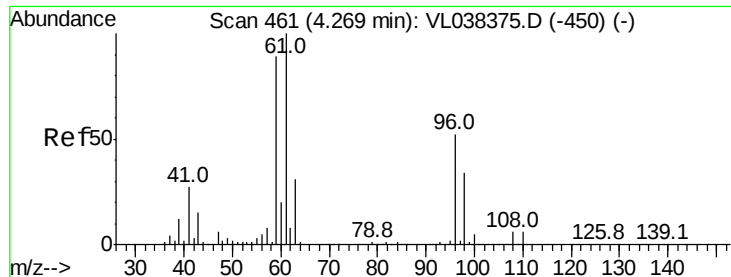
Tgt Ion: 39 Resp: 499595

Ion Ratio Lower Upper

39 100

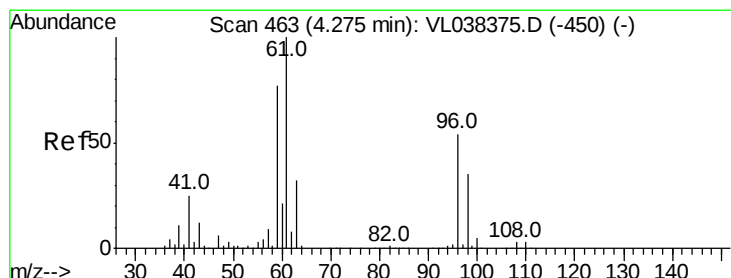
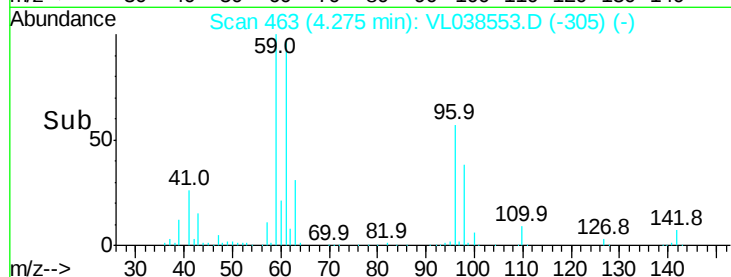
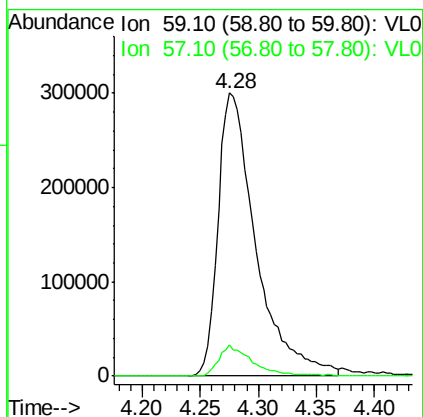
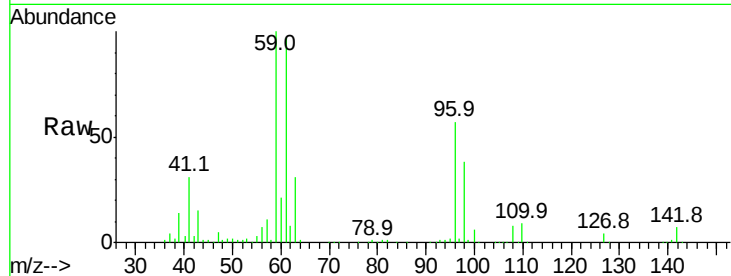
54 80.2 60.3 90.5





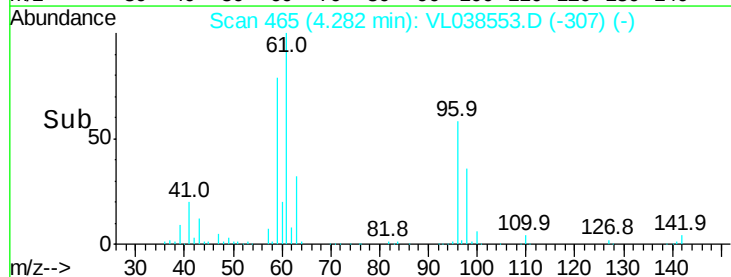
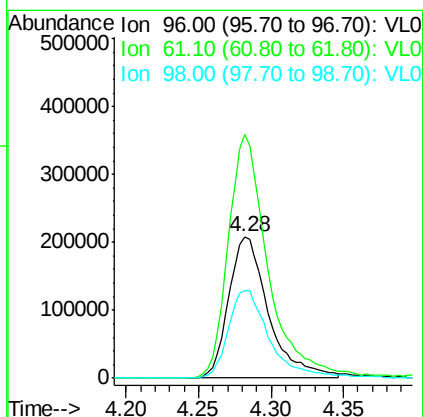
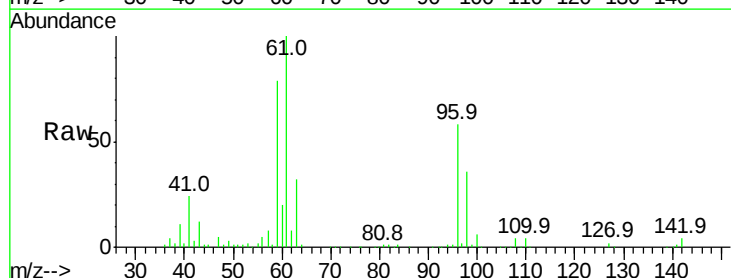
#17
 tert-Butyl alcohol
 Concen: 8.70 ppbv
 RT: 4.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:08

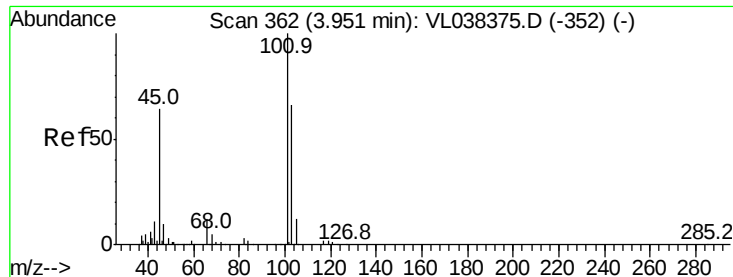
Tgt Ion: 59 Resp: 681569
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 8.78 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

Tgt Ion: 96 Resp: 395970
 Ion Ratio Lower Upper
 96 100
 61 171.7 146.8 220.2
 98 61.6 51.5 77.3





#19

Isopropyl Alcohol

Concen: 8.76 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

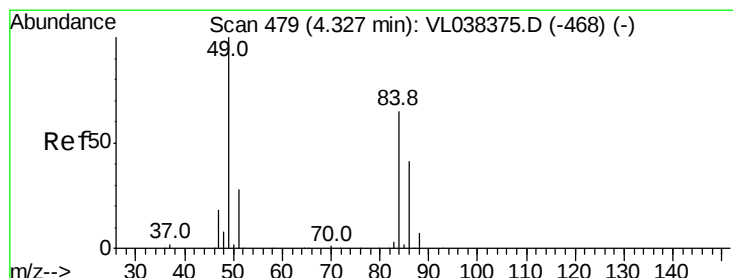
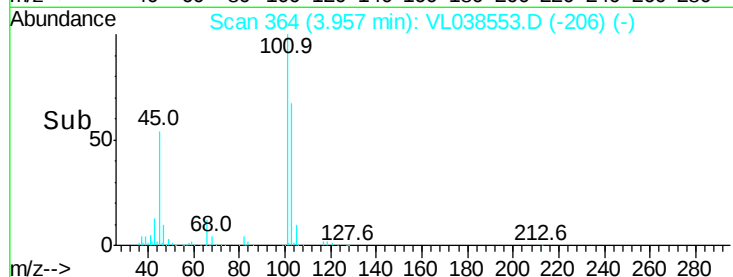
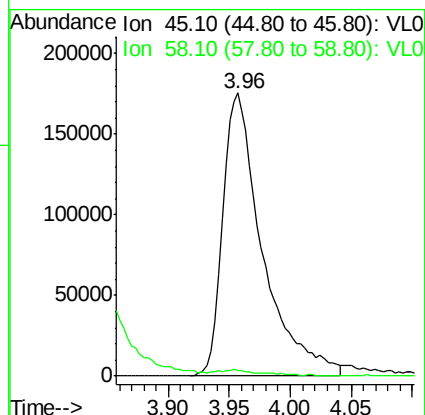
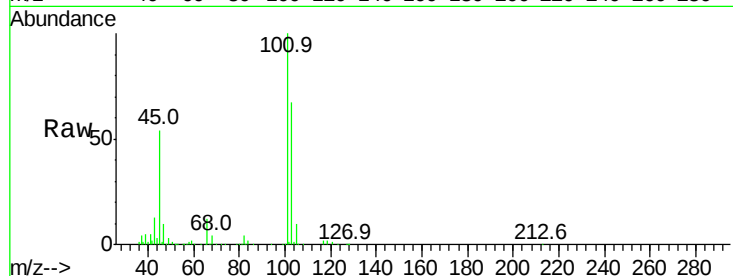
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 45 Resp: 398553

Ion Ratio Lower Upper

45 100

58 2.7 1.8 2.8



#20

Methylene Chloride

Concen: 8.47 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

Tgt Ion: 84 Resp: 329731

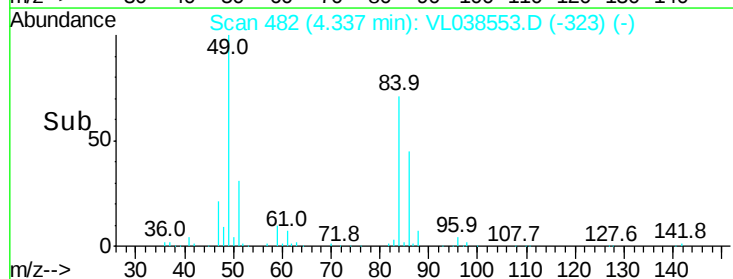
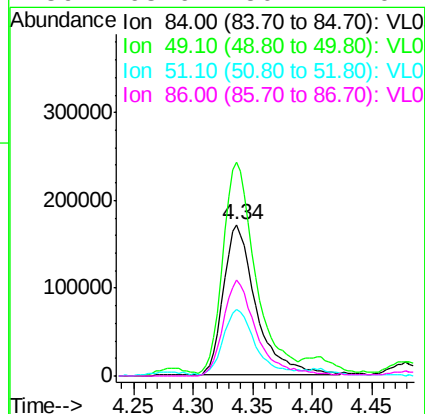
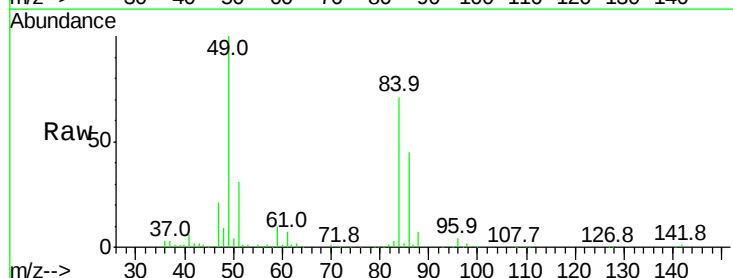
Ion Ratio Lower Upper

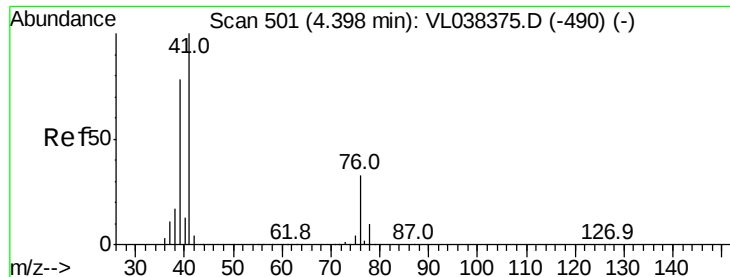
84 100

49 138.9 122.4 183.6

51 42.5 33.3 49.9

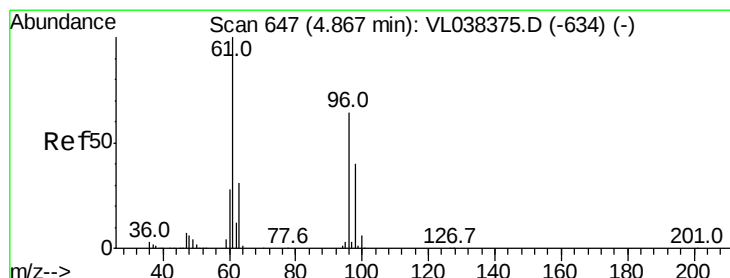
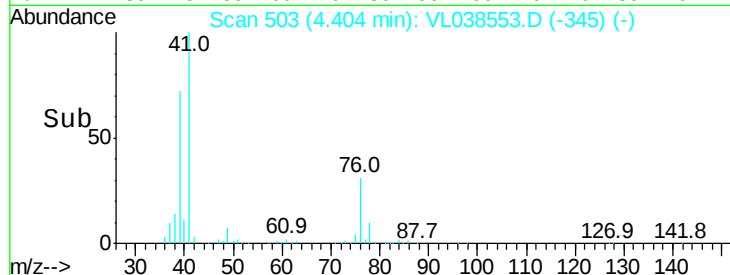
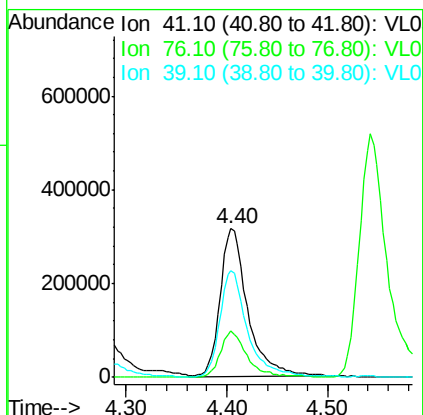
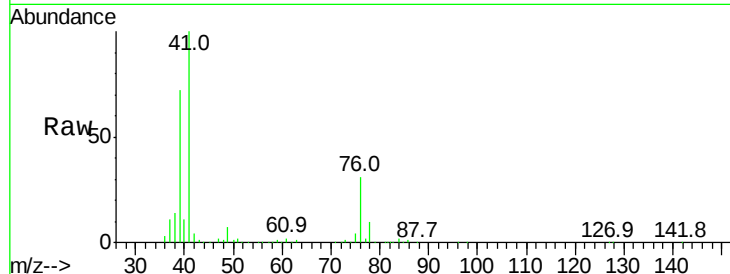
86 63.6 50.7 76.1





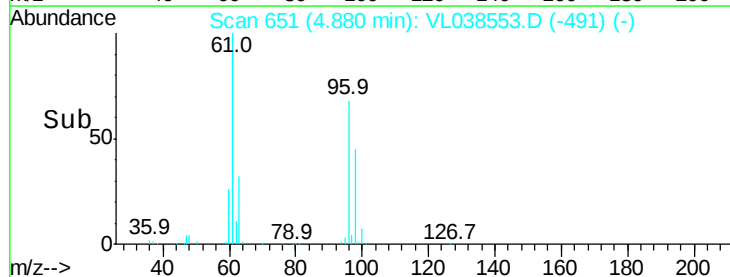
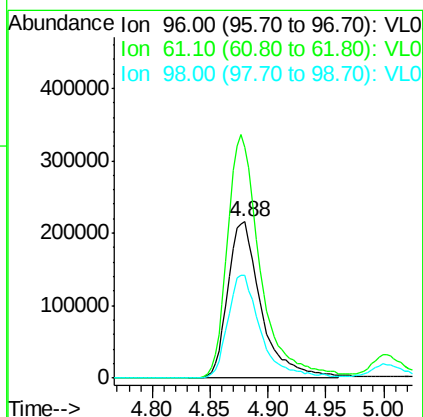
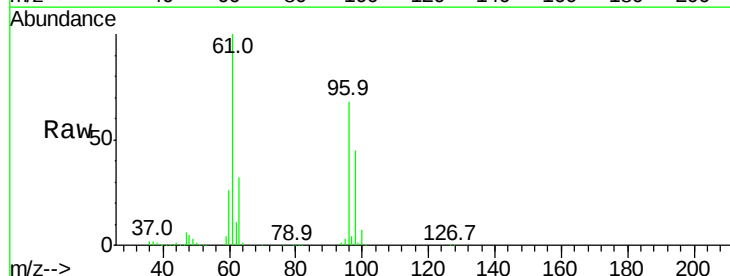
#21
 Allyl Chloride
 Concen: 9.12 ppbv
 RT: 4.40
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 8 Mar 2022 11:08

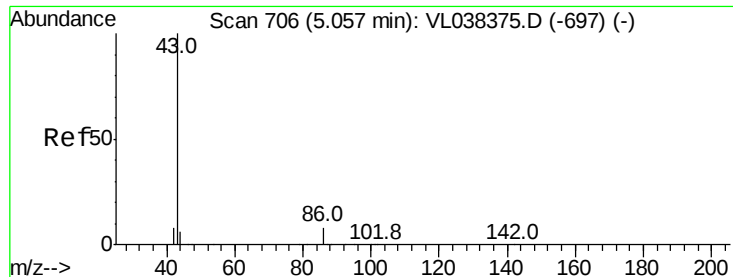
Tgt Ion: 41 Resp: 605422
 Ion Ratio Lower Upper
 41 100
 76 30.4 25.4 38.0
 39 71.4 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.43 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

Tgt Ion: 96 Resp: 429132
 Ion Ratio Lower Upper
 96 100
 61 147.0 124.2 186.4
 98 65.7 49.1 73.7





#23

Vinyl Acetate

Concen: 8.99 ppbv

RT: 5.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 11:08

Tgt Ion: 43 Resp: 936165

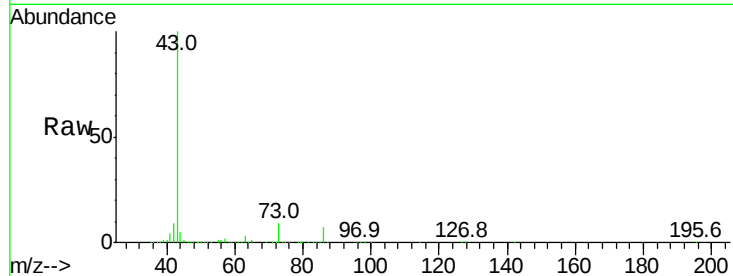
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.6

42 8.9 7.4 11.0

44 5.1 4.2 6.2

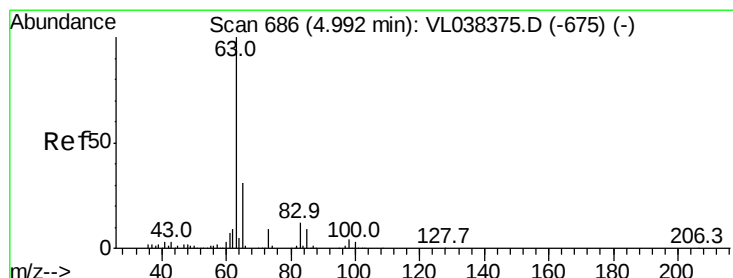
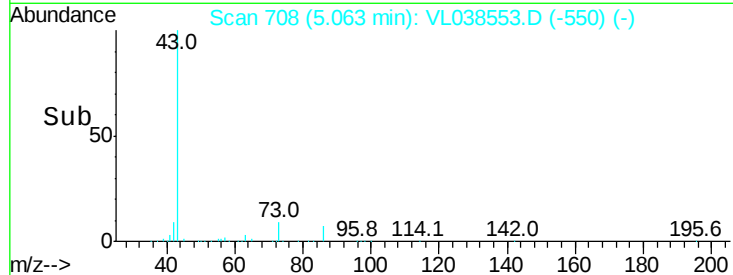
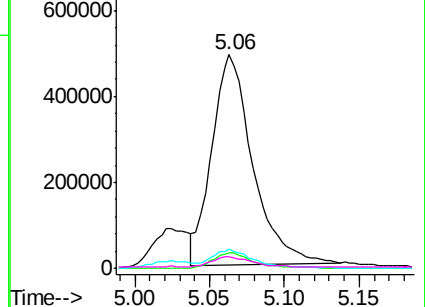


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.48 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

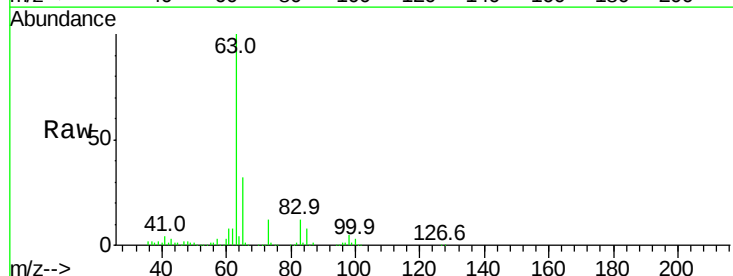
Tgt Ion: 63 Resp: 794036

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

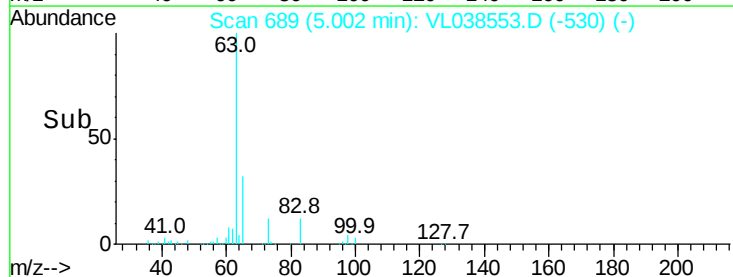
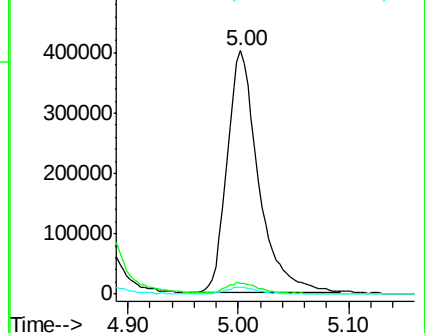
100 3.0 1.4 4.2

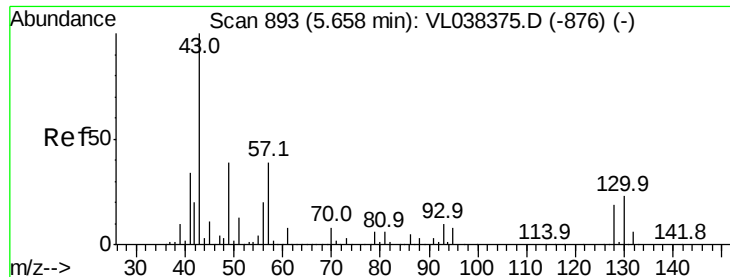


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

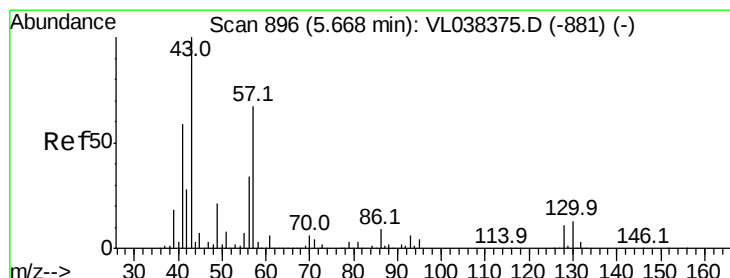
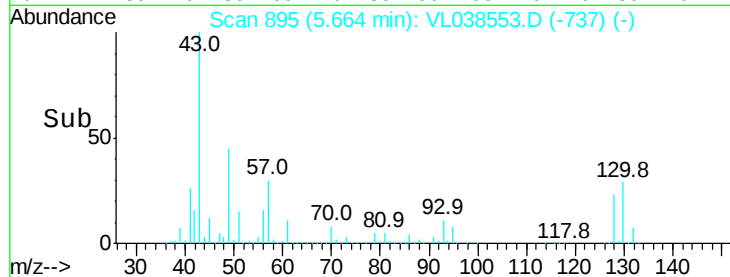
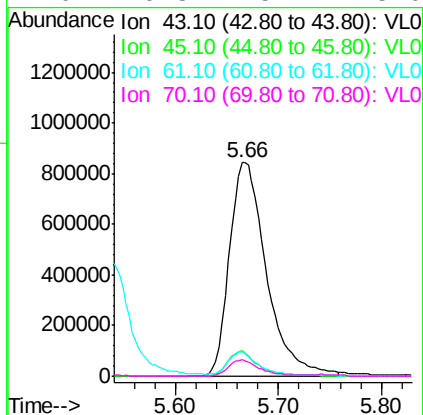
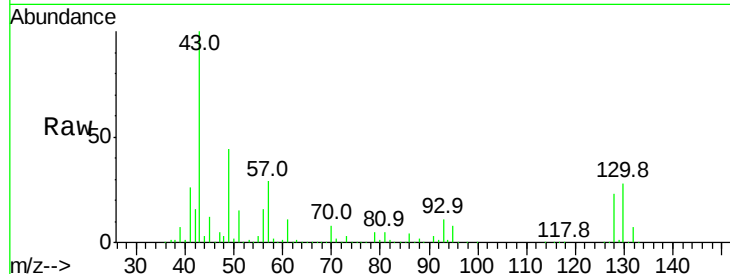




#25
Ethyl Acetate
Concen: 9.97 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:08
VSTDICCC010

Tgt Ion: 43 Resp: 2105223

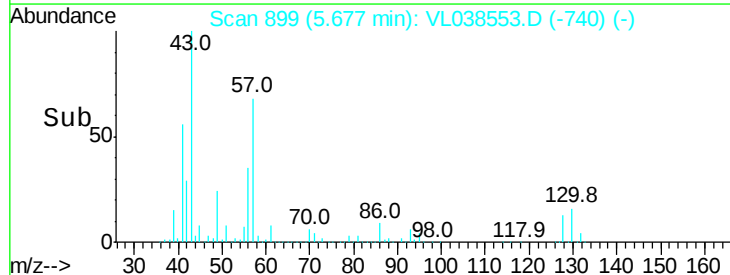
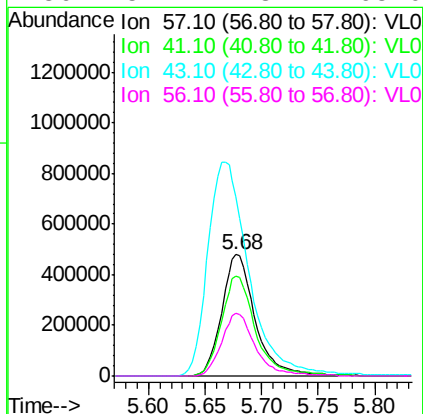
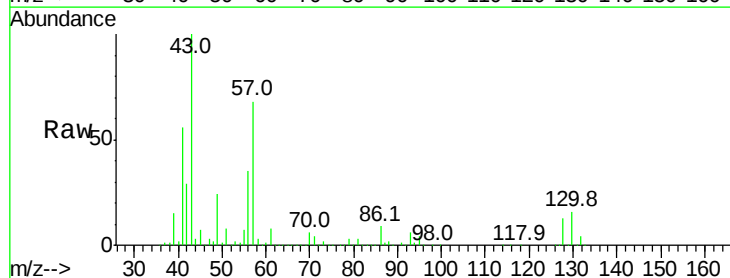
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	10.3	7.5	11.3
70	6.8	5.4	8.0

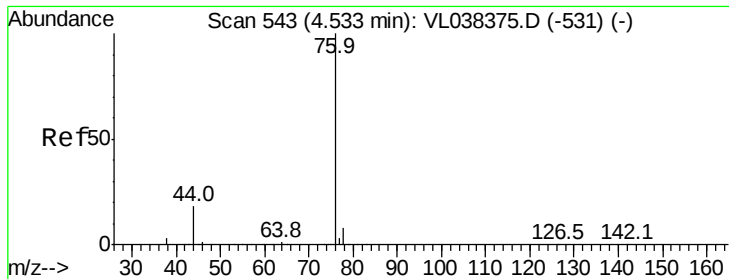


#26
Hexane
Concen: 10.30 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: 0.01 min
Lab File: VL038553.D
Acq: 8 Mar 2022 11:08

Tgt Ion: 57 Resp: 984236

Ion	Ratio	Lower	Upper
57	100		
41	84.7	73.1	109.7
43	217.0	181.0	271.4
56	52.7	43.4	65.0





#27

Carbon Disulfide

Concen: 9.67 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08 VSTDICCC010

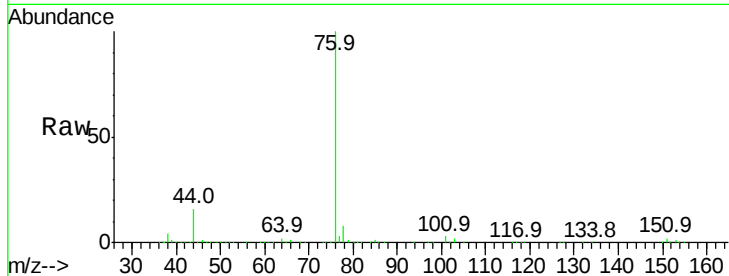
Tgt Ion: 76 Resp: 1027810

Ion Ratio Lower Upper

76 100

44 16.1 14.2 21.2

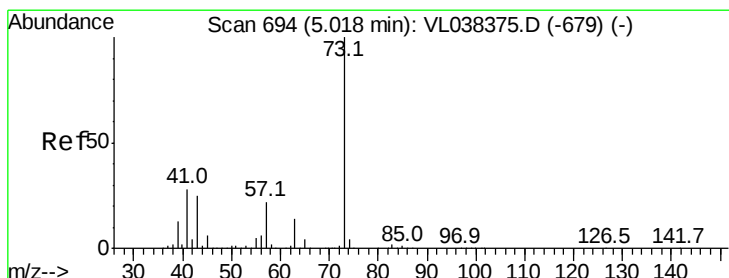
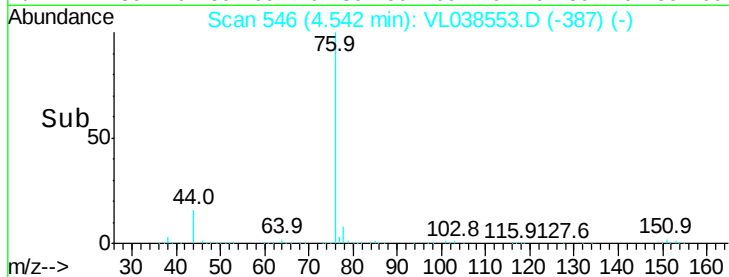
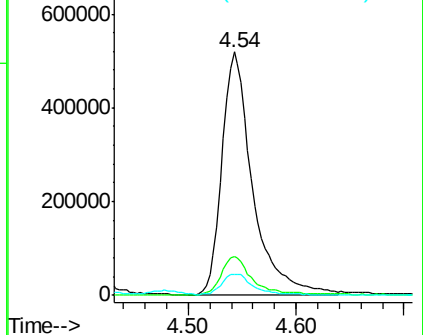
78 9.7 7.8 11.6



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: 8.46 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL038553.D

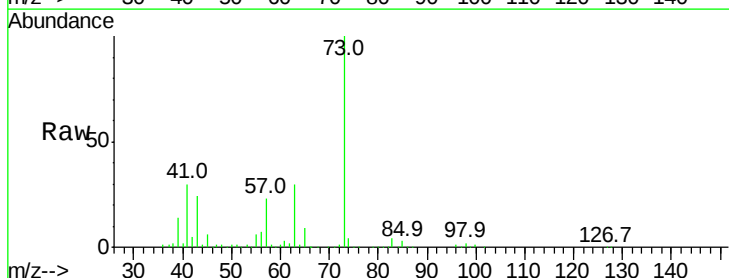
Acq: 8 Mar 2022 11:08

Tgt Ion: 73 Resp: 823355

Ion Ratio Lower Upper

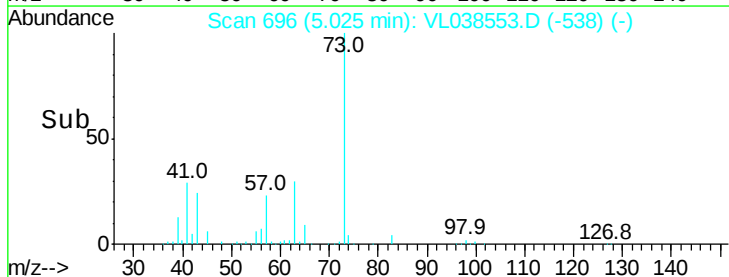
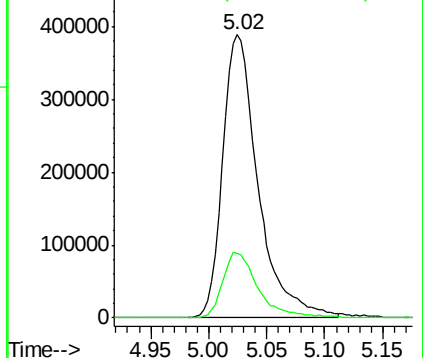
73 100

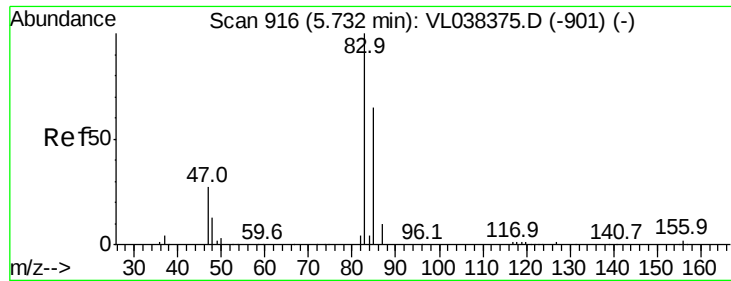
57 23.5 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.62 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDICCC010

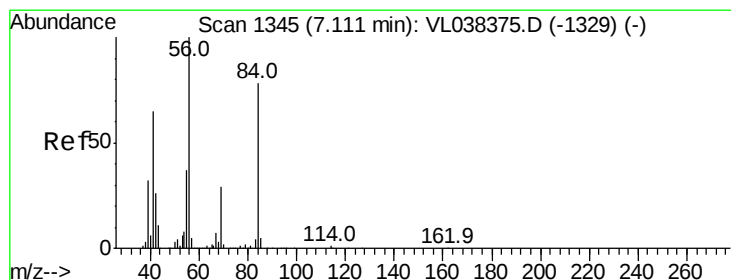
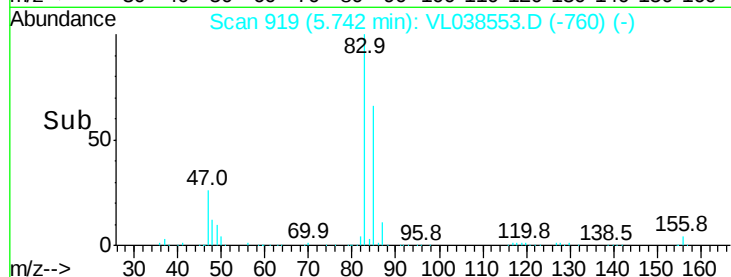
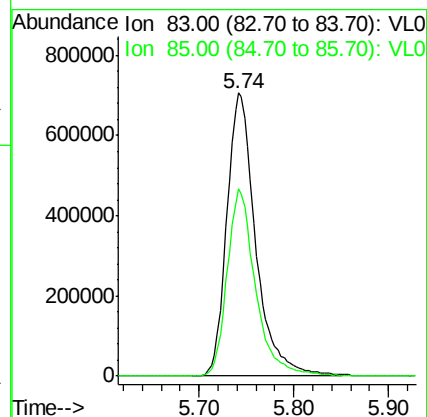
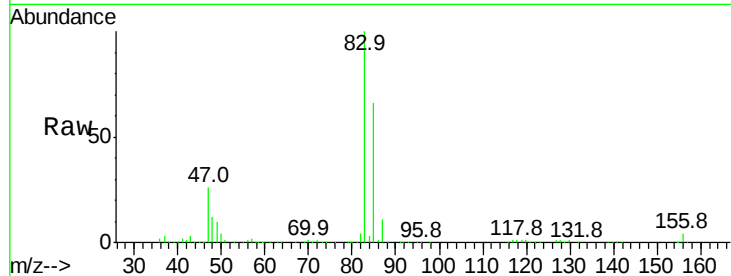
Acq: 8 Mar 2022 11:08

Tgt Ion: 83 Resp: 1500911

Ion Ratio Lower Upper

83 100

85 66.0 51.6 77.4



#30

Cyclohexane

Concen: 10.73 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

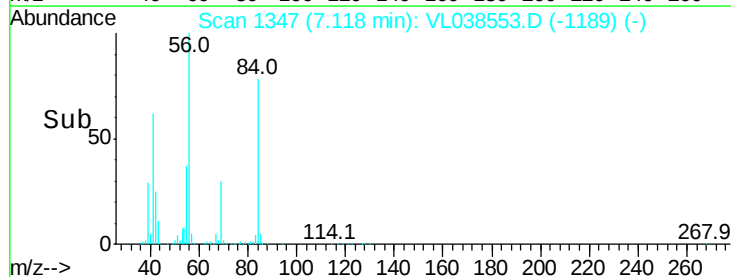
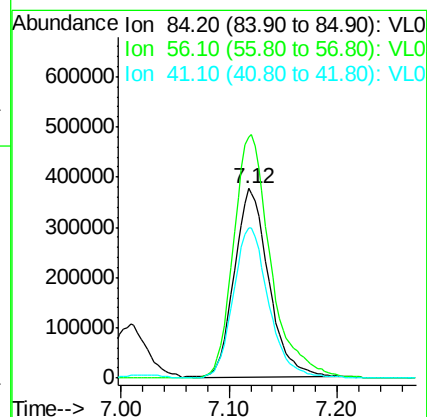
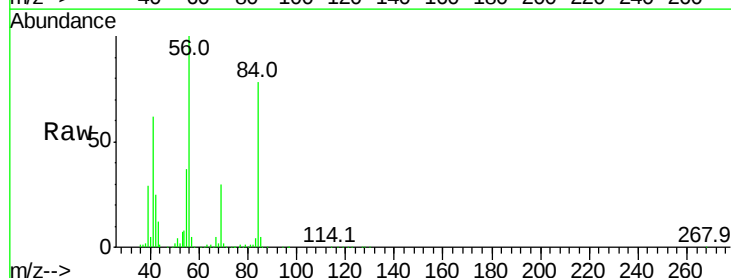
Tgt Ion: 84 Resp: 838759

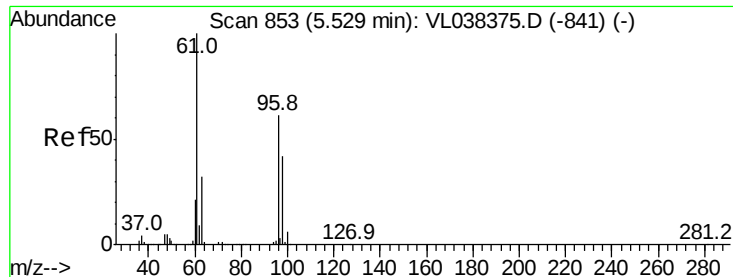
Ion Ratio Lower Upper

84 100

56 139.2 116.2 174.4

41 81.9 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.26 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08 VSTDICCC010

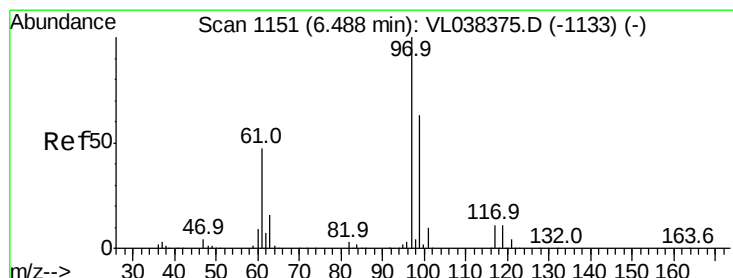
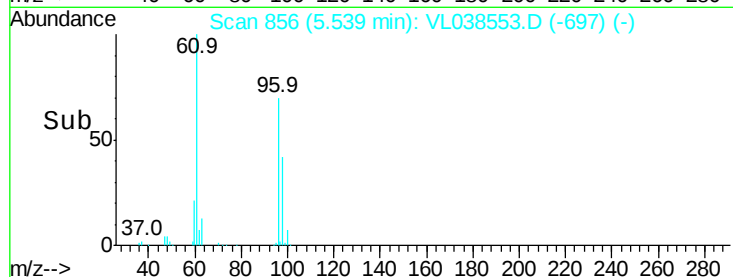
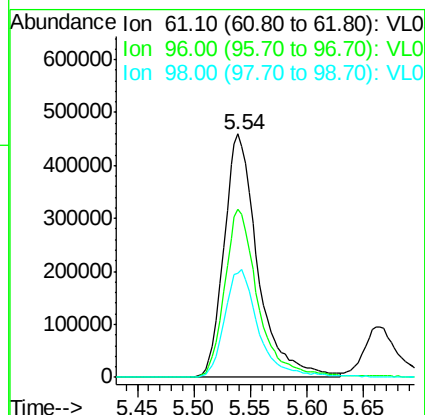
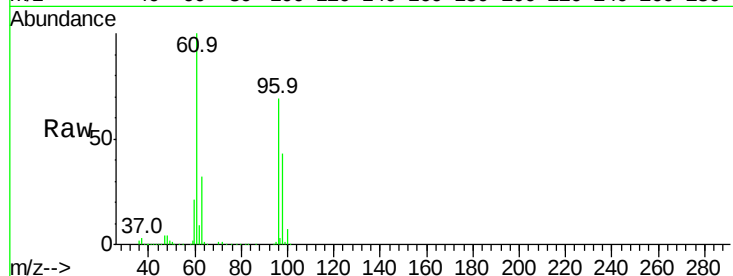
Tgt Ion: 61 Resp: 949889

Ion Ratio Lower Upper

61 100

96 69.0 48.6 73.0

98 42.8 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 9.22 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

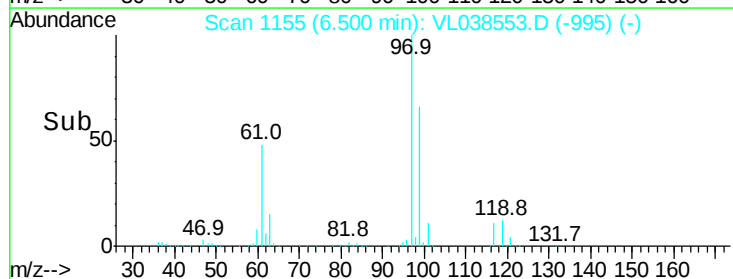
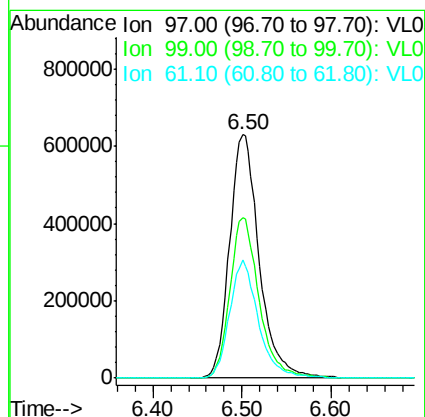
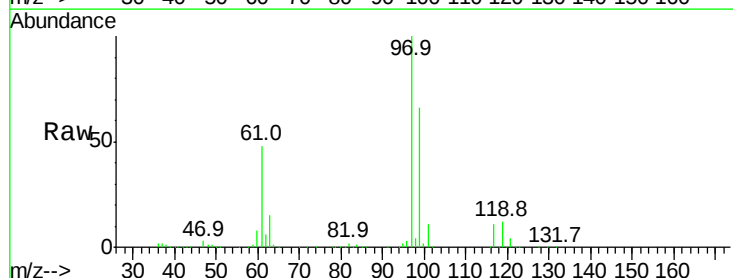
Tgt Ion: 97 Resp: 1446299

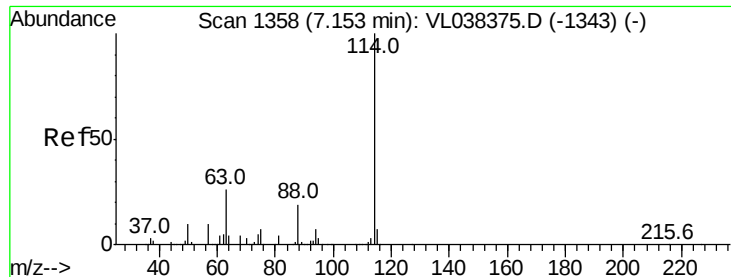
Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

61 47.1 40.5 60.7

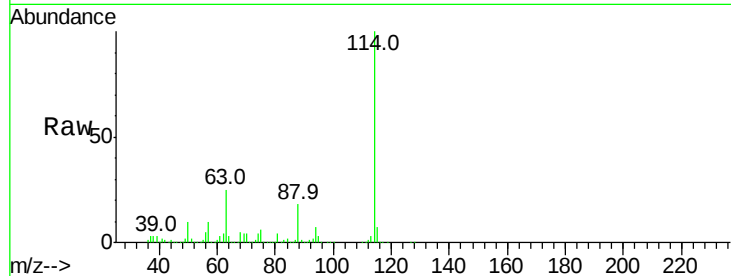




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:08

Tgt Ion: 114 Resp: 2444296

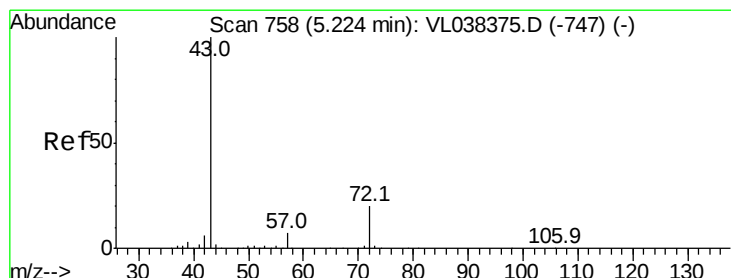
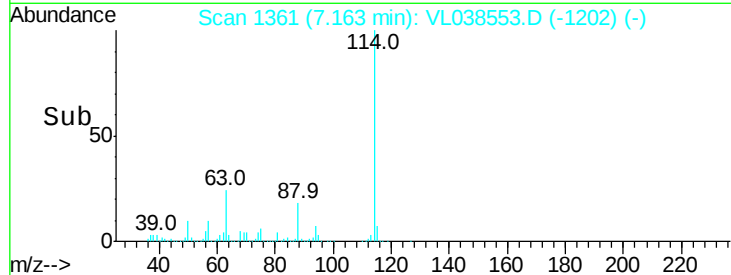
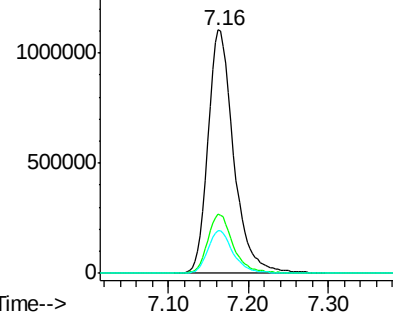
Ion	Ratio	Lower	Upper
114	100		
63	24.5	22.2	33.2
88	17.4	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

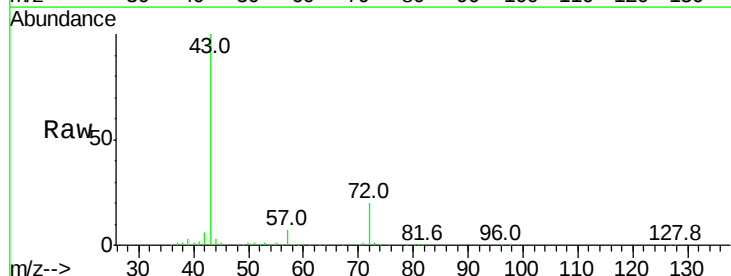
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 8.40 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

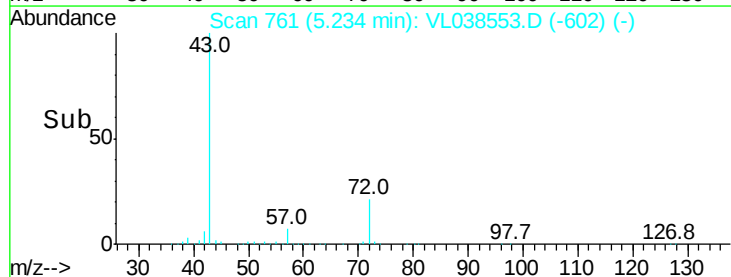
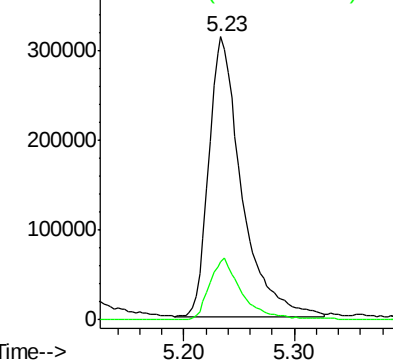
Tgt Ion: 43 Resp: 645669

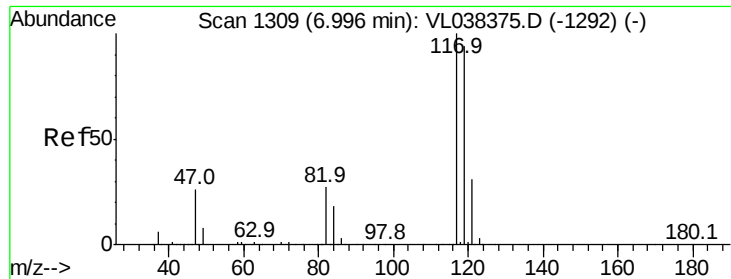
Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

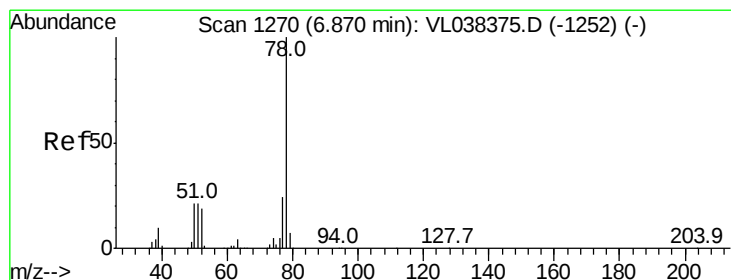
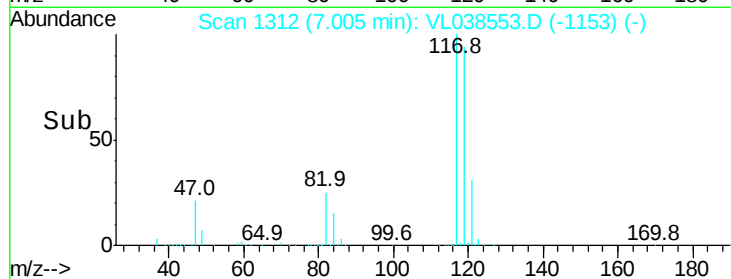
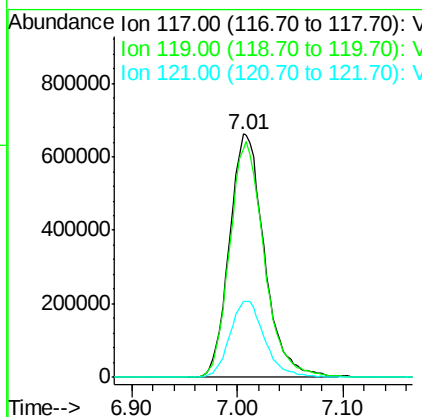
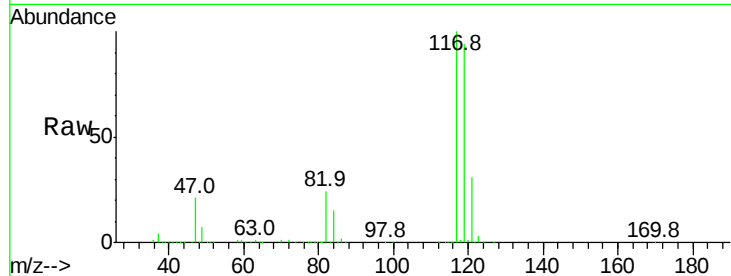




#35
Carbon Tetrachloride
Concen: 8.84 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:08

Tgt Ion: 117 Resp: 1520228

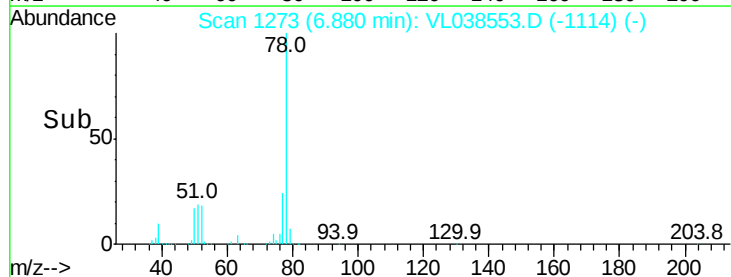
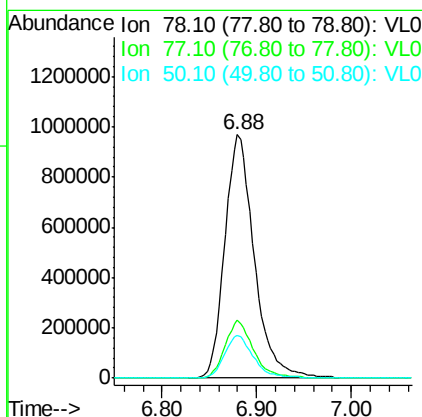
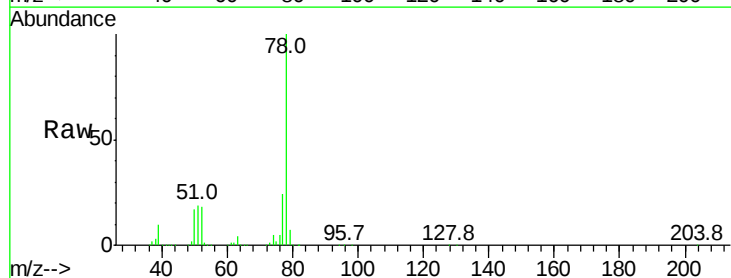
Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.9	112.3
121	31.0	24.8	37.2

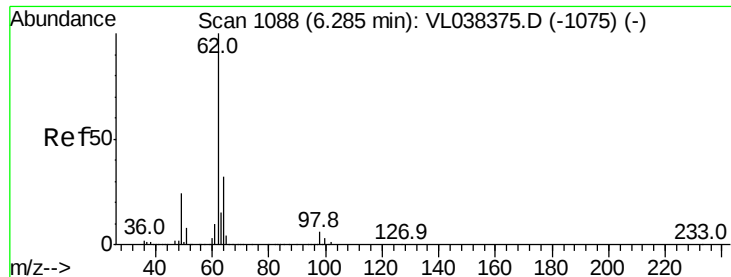


#36
Benzene
Concen: 9.74 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL038553.D
Acq: 8 Mar 2022 11:08

Tgt Ion: 78 Resp: 2095350

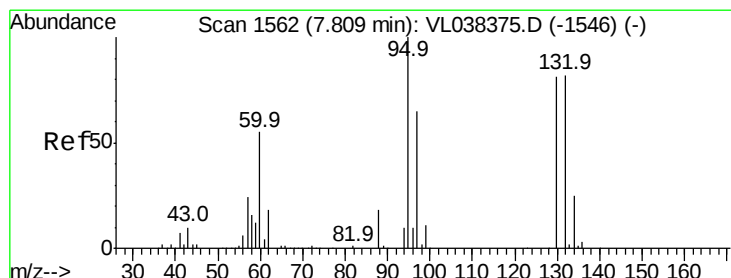
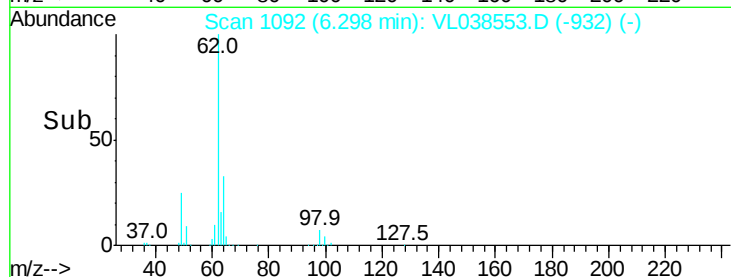
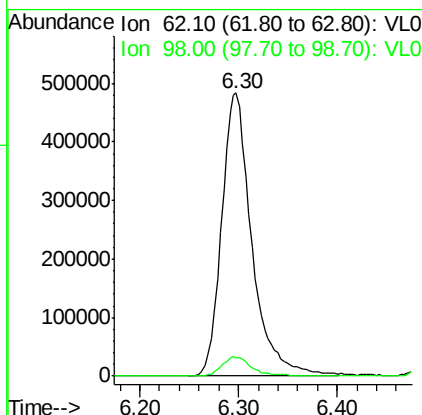
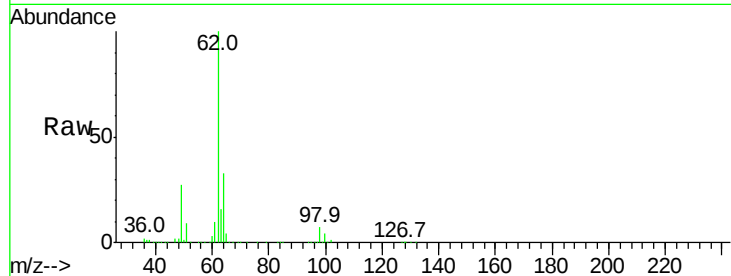
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6
50	17.4	16.6	24.8





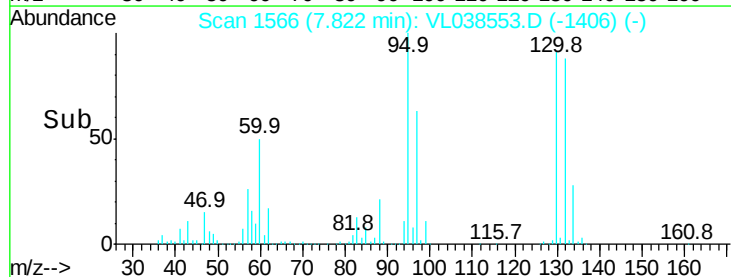
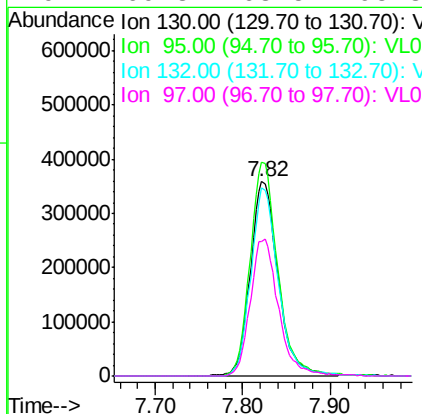
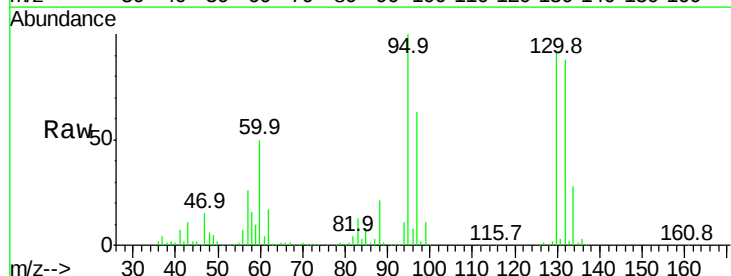
#37
 1,2-Dichloroethane
 Concen: 8.35 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:08

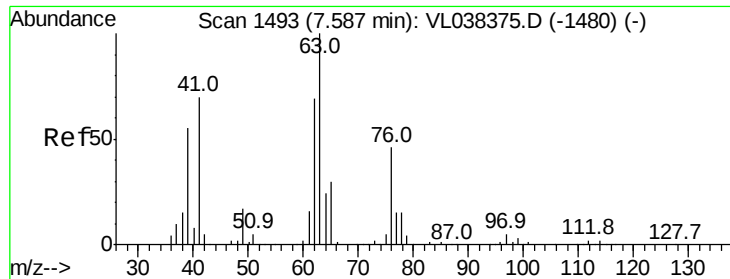
Tgt Ion: 62 Resp: 1037812
 Ion Ratio Lower Upper
 62 100
 98 7.1 4.6 7.0#



#38
 Trichloroethene
 Concen: 10.10 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

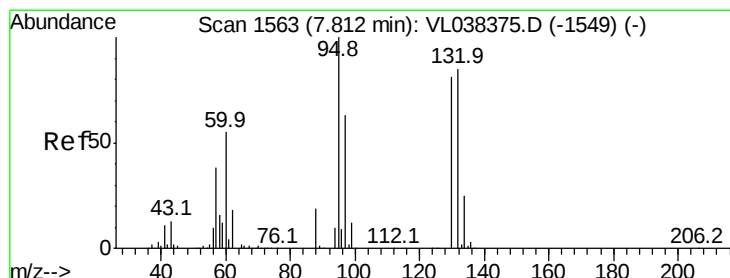
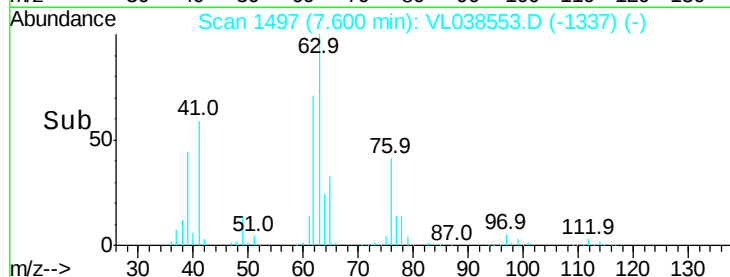
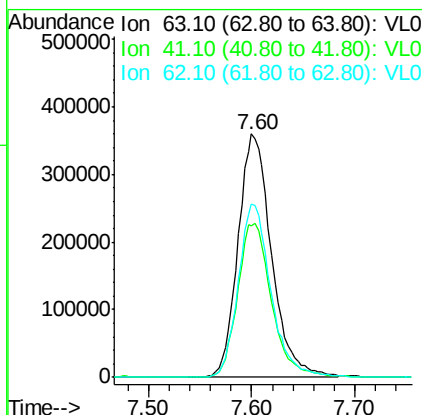
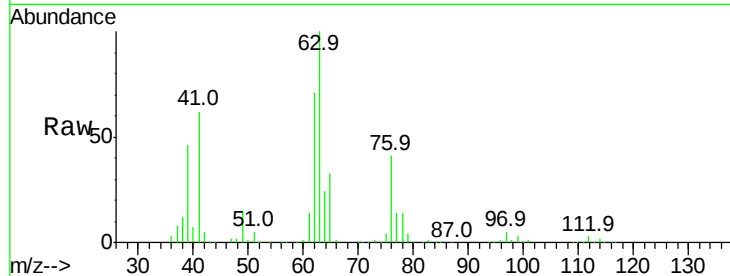
Tgt Ion: 130 Resp: 791684
 Ion Ratio Lower Upper
 130 100
 95 109.8 98.1 147.1
 132 96.9 80.3 120.5
 97 69.3 63.5 95.3





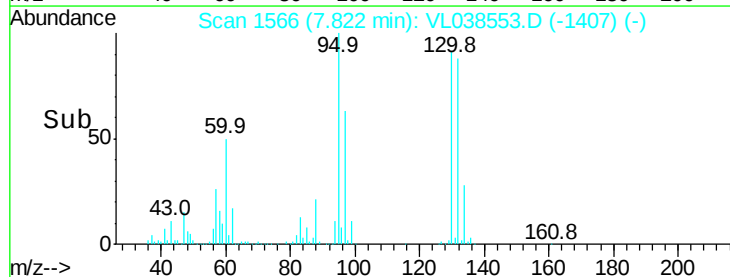
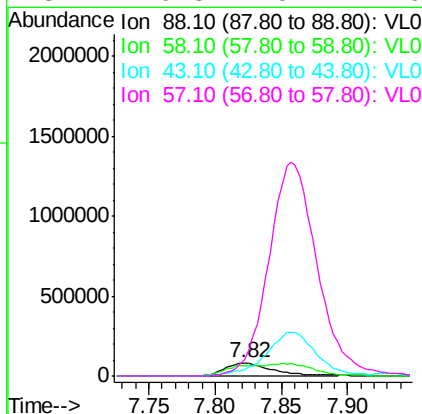
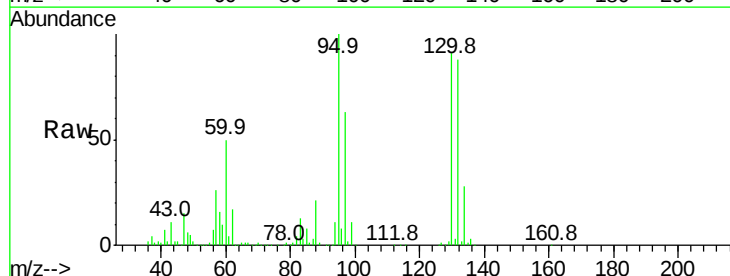
#39
 1,2-Dichloropropane
 Concen: 9.47 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDICCC010
 Acq: 8 Mar 2022 11:08

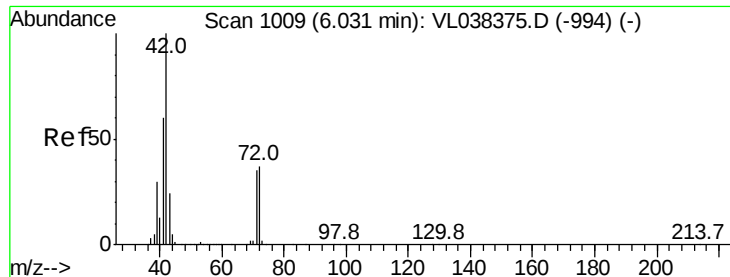
Tgt Ion: 63 Resp: 811834
 Ion Ratio Lower Upper
 63 100
 41 62.2 56.1 84.1
 62 70.9 55.5 83.3



#40
 1,4-Dioxane
 Concen: 9.88 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T.: 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

Tgt Ion: 88 Resp: 200756
 Ion Ratio Lower Upper
 88 100
 58 158.4 133.2 199.8
 43 378.8 330.6 496.0
 57 1710.8 1462.7 2194.1





#41

Tetrahydrofuran

Concen: 10.16 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDICCC010

Acq: 8 Mar 2022 11:08

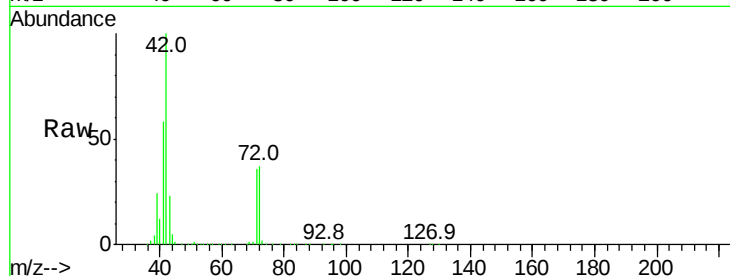
Tgt Ion: 42 Resp: 527744

Ion Ratio Lower Upper

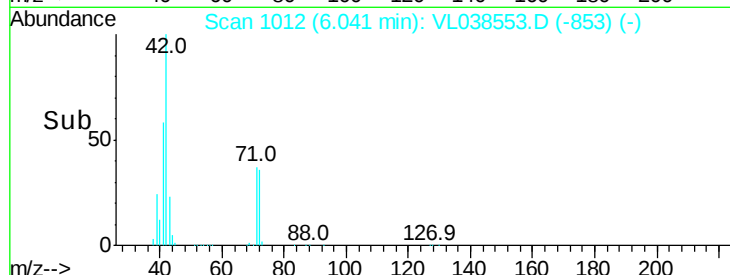
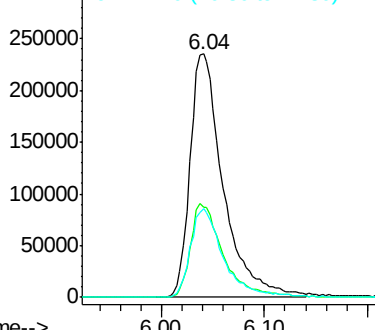
42 100

72 38.6 29.9 44.9

71 36.4 28.6 42.8



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: 8.96 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

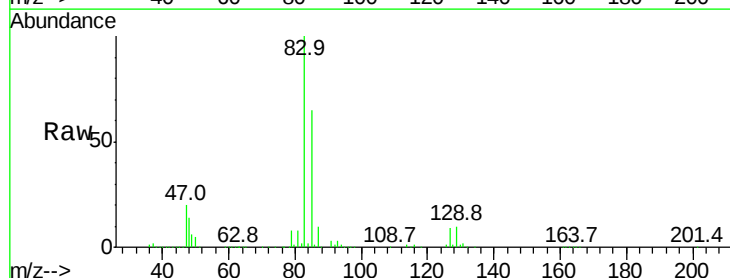
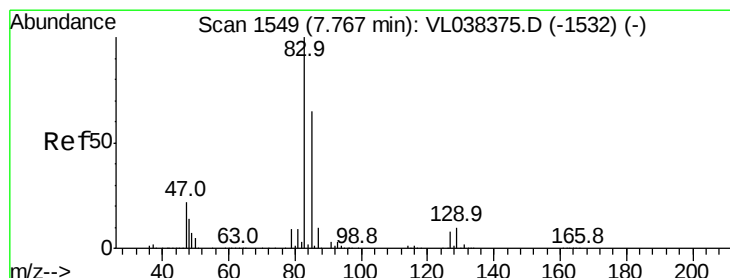
Tgt Ion: 83 Resp: 1608163

Ion Ratio Lower Upper

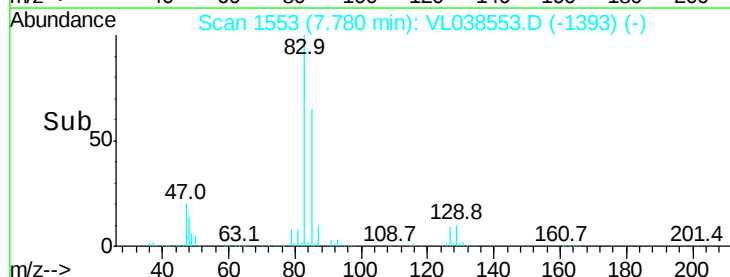
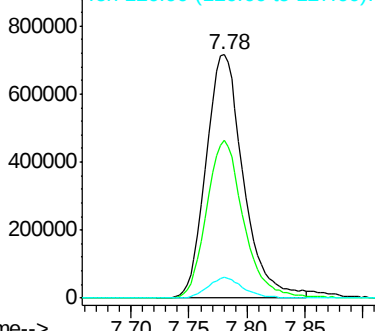
83 100

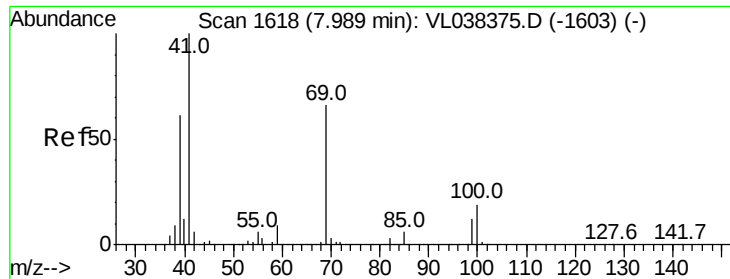
85 64.6 52.2 78.4

127 8.6 6.2 9.4



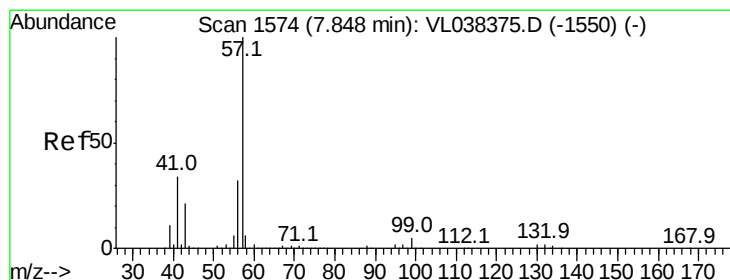
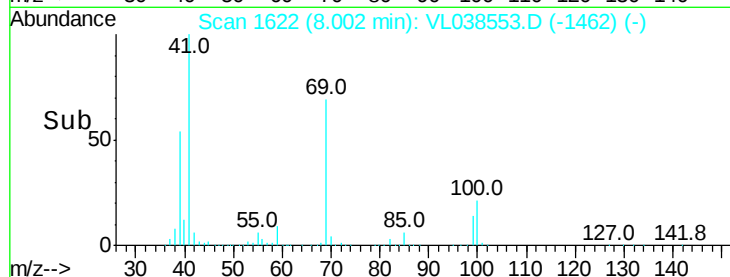
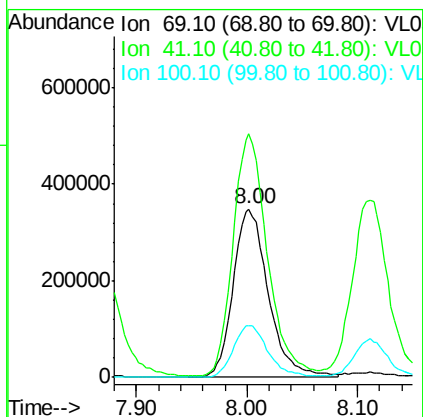
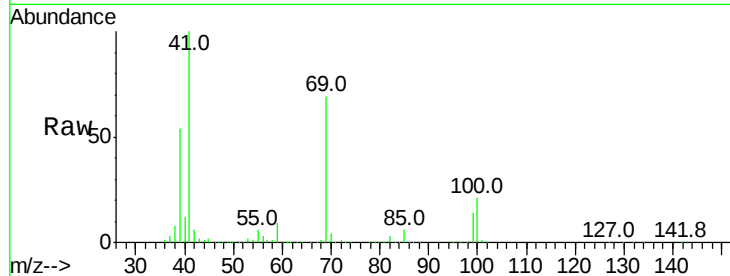
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





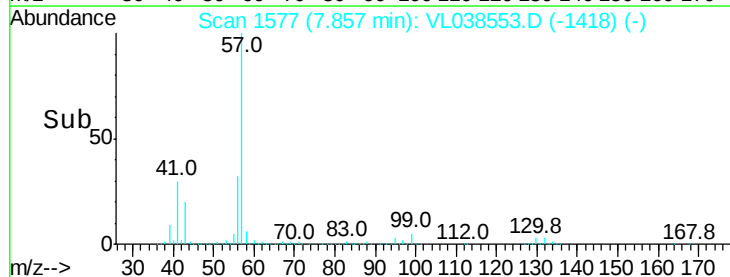
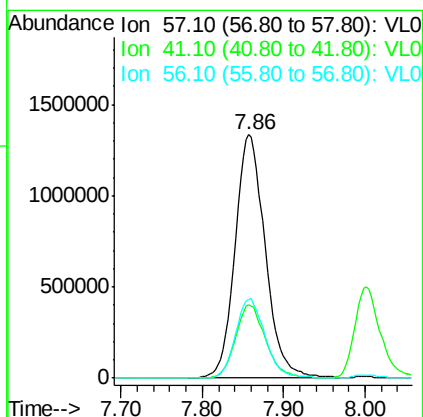
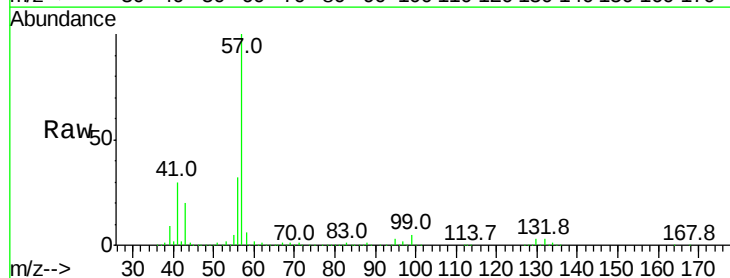
#43
Methyl Methacrylate
Concen: 10.33 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:08

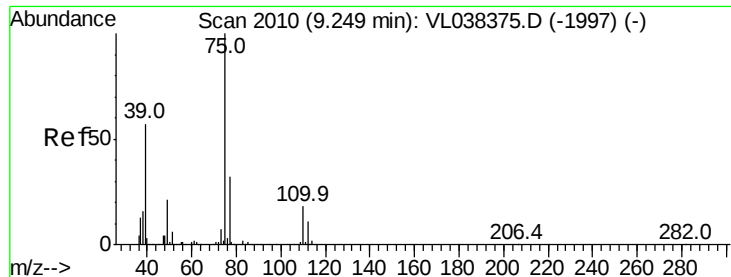
Tgt Ion: 69 Resp: 772508
Ion Ratio Lower Upper
69 100
41 142.2 122.9 184.3
100 30.5 23.6 35.4



#44
2,2,4-Trimethylpentane
Concen: 9.28 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL038553.D
Acq: 8 Mar 2022 11:08

Tgt Ion: 57 Resp: 3433574
Ion Ratio Lower Upper
57 100
41 30.0 26.6 39.8
56 32.0 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.04 ppbv

RT: 9.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

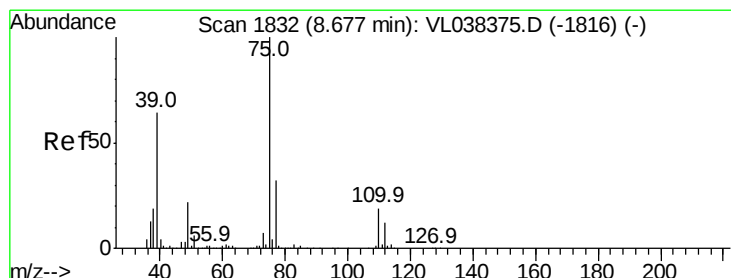
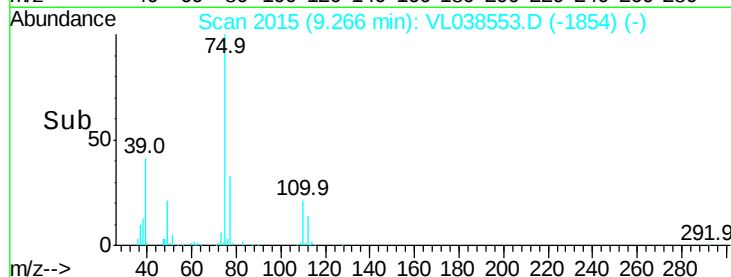
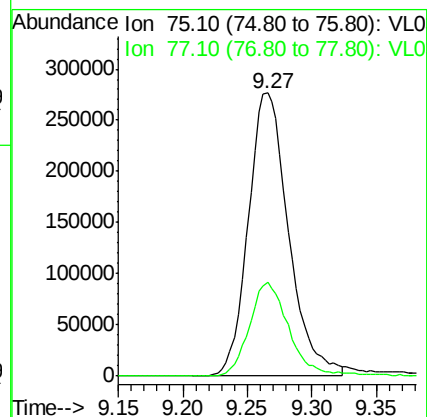
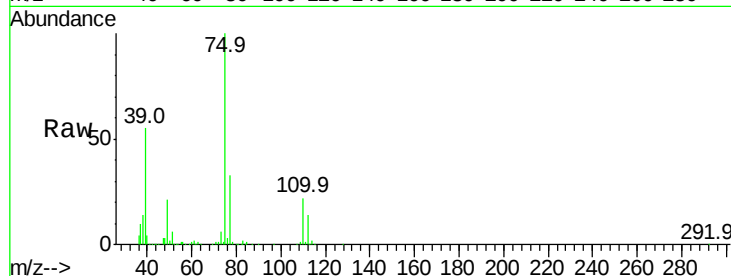
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 75 Resp: 600291

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 10.10 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

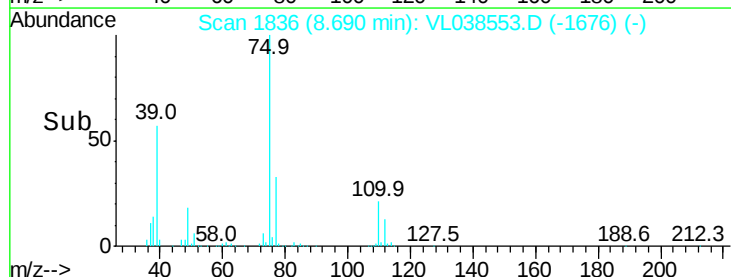
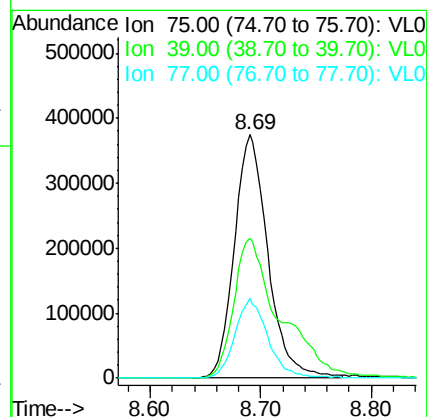
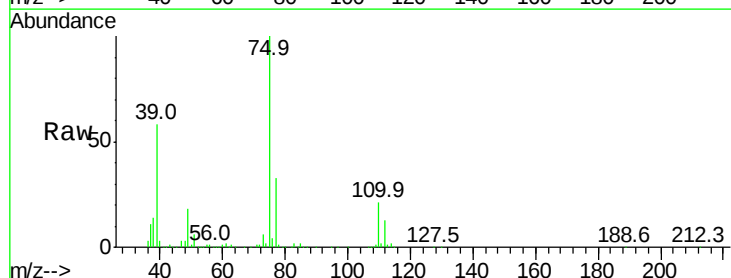
Tgt Ion: 75 Resp: 791307

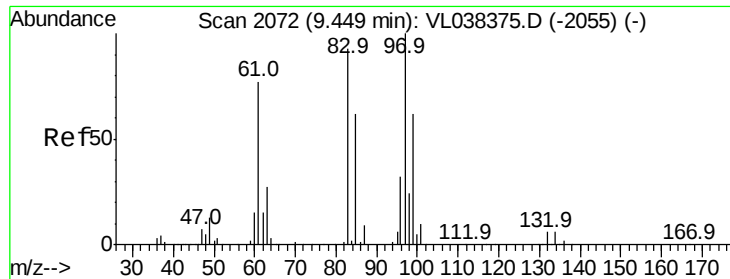
Ion Ratio Lower Upper

75 100

39 57.7 51.4 77.2

77 32.7 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 9.65 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 97 Resp: 822598

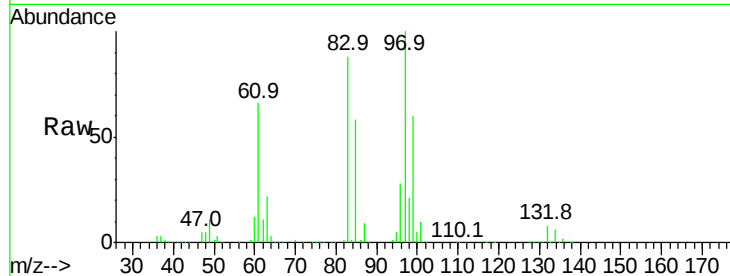
Ion Ratio Lower Upper

97 100

83 87.6 74.2 111.4

85 58.2 49.8 74.8

99 60.1 49.5 74.3

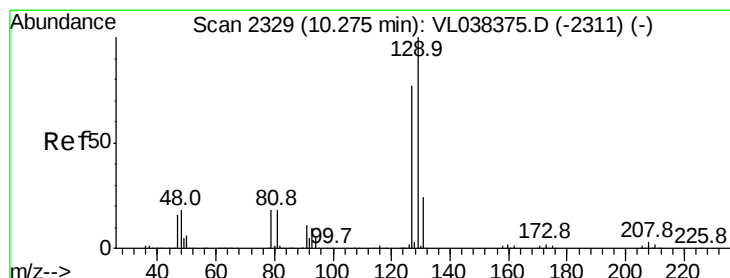
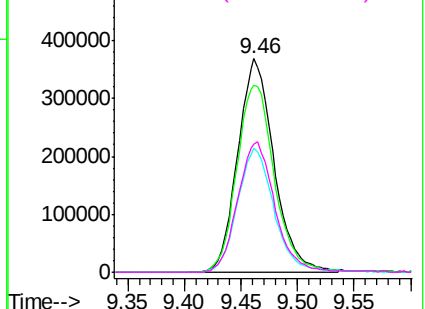
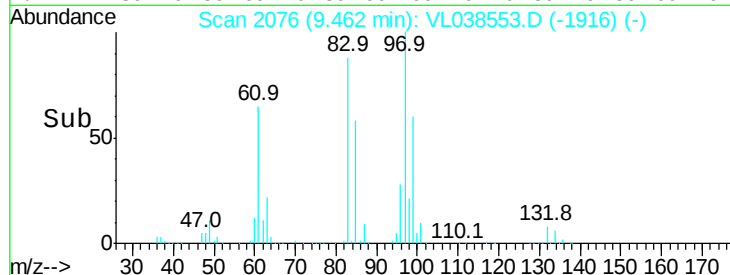


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.90 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.02 min

Lab File: VL038553.D

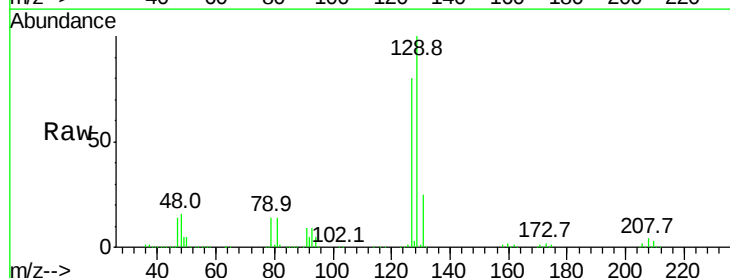
Acq: 8 Mar 2022 11:08

Tgt Ion: 129 Resp: 1380977

Ion Ratio Lower Upper

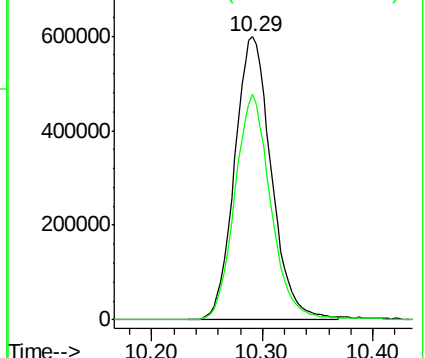
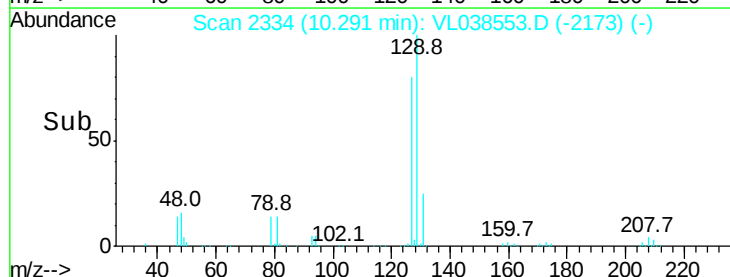
129 100

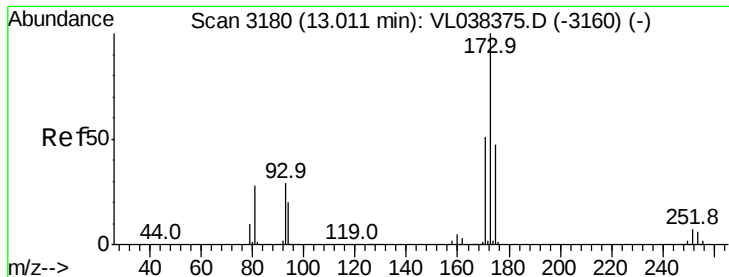
127 78.9 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.53 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 11:08

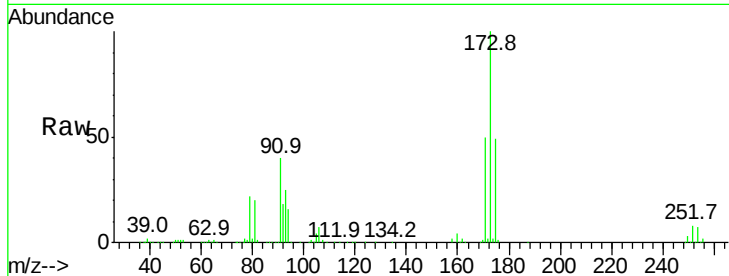
Tgt Ion:173 Resp: 1083748

Ion Ratio Lower Upper

173 100

175 50.9 40.2 60.2

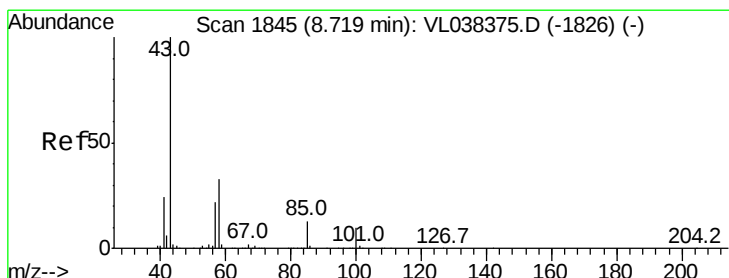
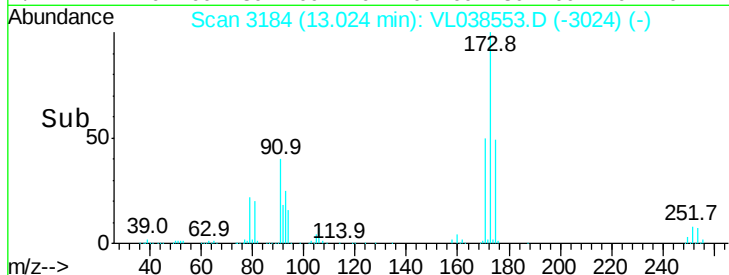
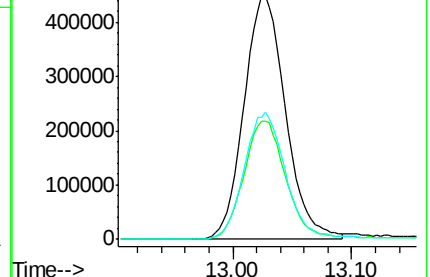
171 53.6 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.80 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL038553.D

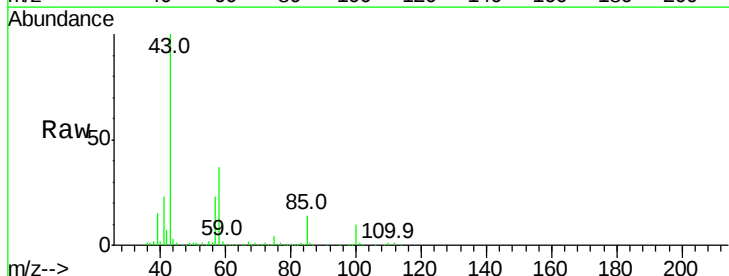
Acq: 8 Mar 2022 11:08

Tgt Ion: 43 Resp: 1332610

Ion Ratio Lower Upper

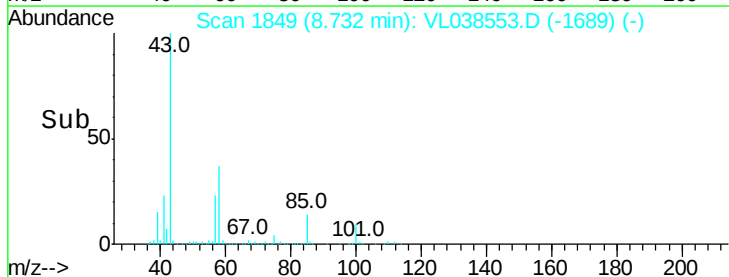
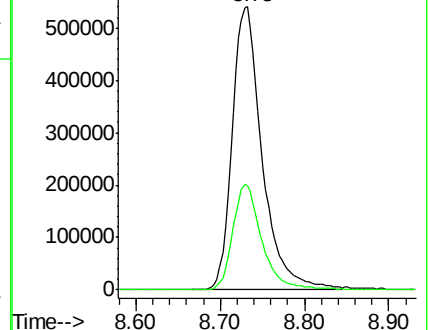
43 100

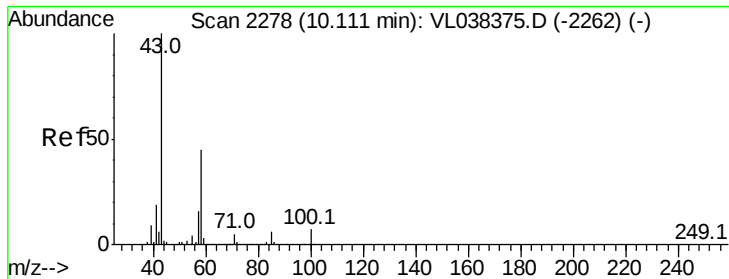
58 36.5 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

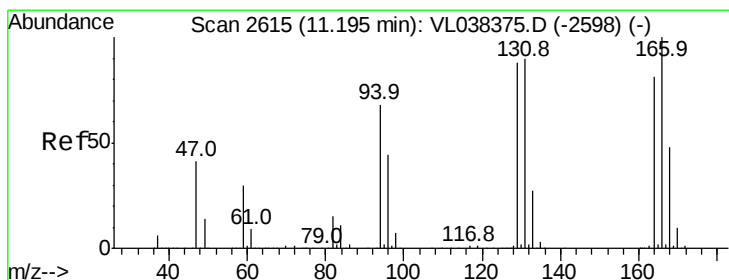
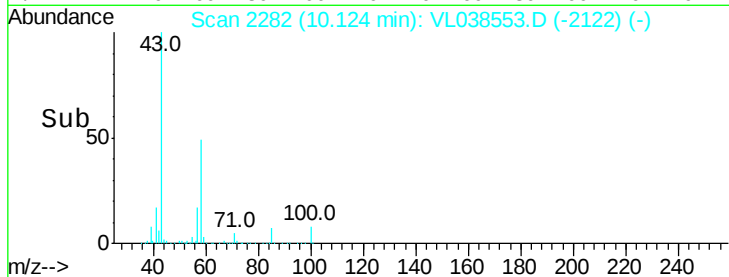
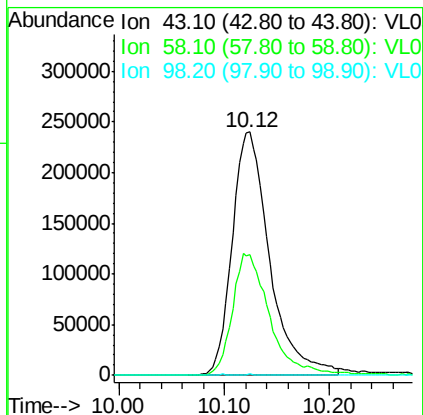
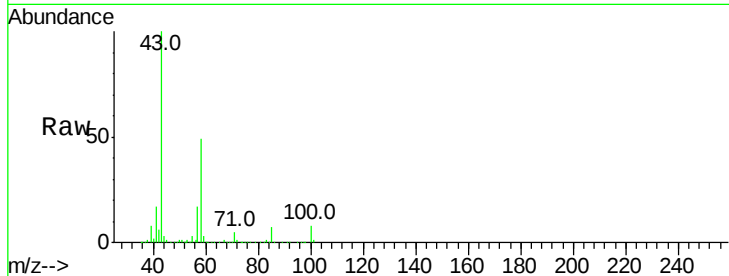
Ion 58.10 (57.80 to 58.80): VL0





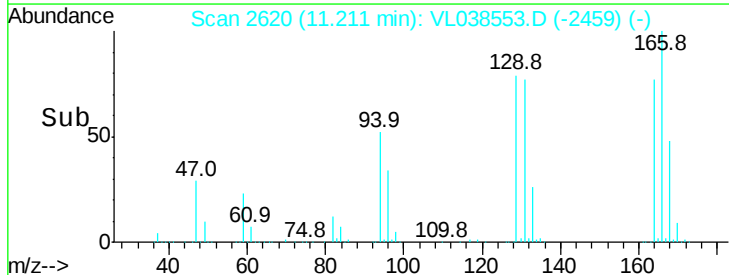
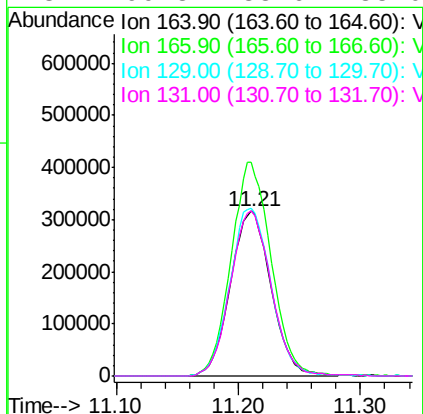
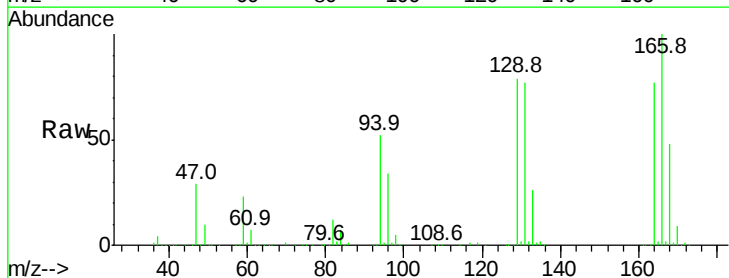
#51
 2-Hexanone
 Concen: 9.70 ppbv
 RT: 10.12 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:08

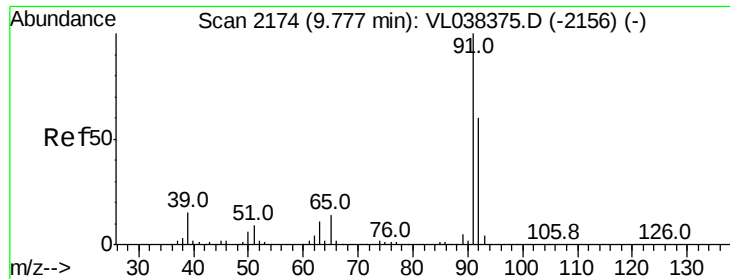
Tgt Ion: 43 Resp: 590361
 Ion Ratio Lower Upper
 43 100
 58 50.1 37.4 56.0
 98 0.5 0.1 0.1#



#52
 Tetrachloroethene
 Concen: 10.18 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. 0.02 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

Tgt Ion: 164 Resp: 727539
 Ion Ratio Lower Upper
 164 100
 166 129.3 98.6 148.0
 129 101.6 86.9 130.3
 131 99.8 88.6 133.0





#53

Toluene

Concen: 9.96 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

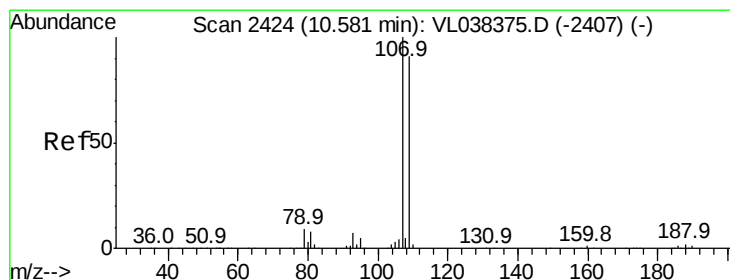
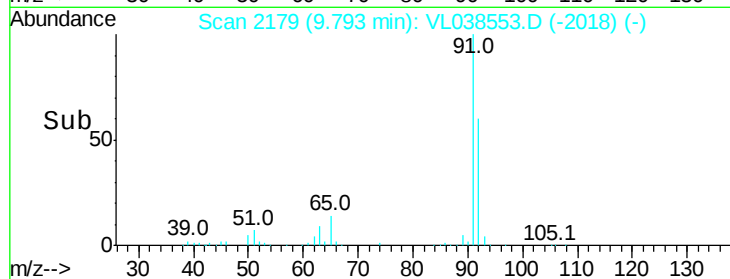
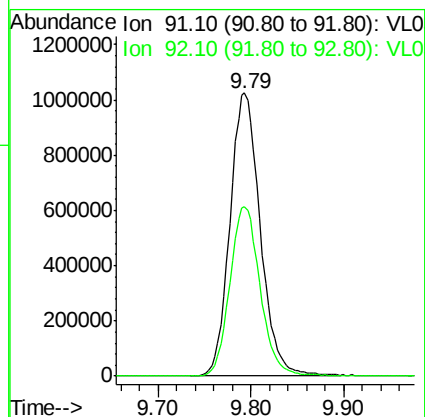
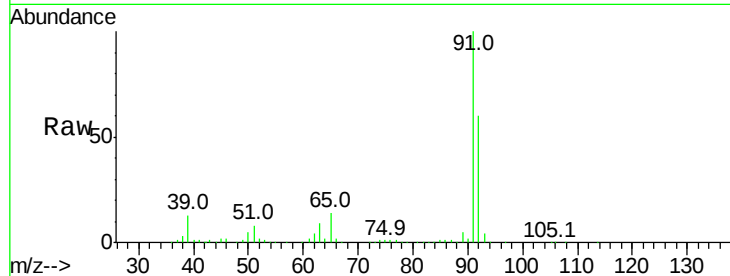
Acq: 8 Mar 2022 11:08 VSTDICCC010

Tgt Ion: 91 Resp: 2327003

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.87 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.02 min

Lab File: VL038553.D

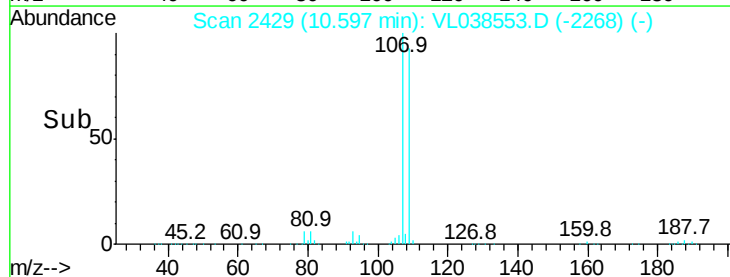
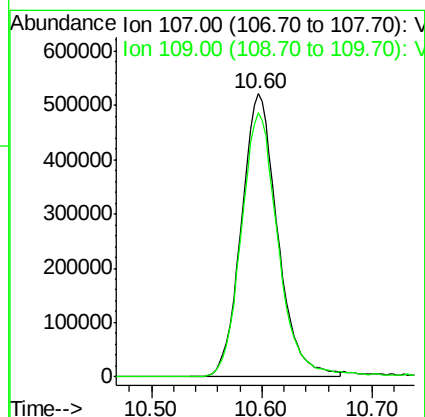
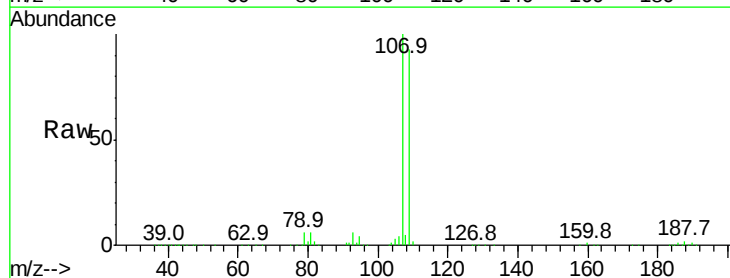
Acq: 8 Mar 2022 11:08

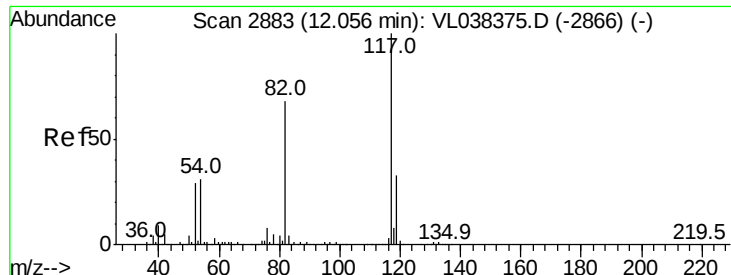
Tgt Ion: 107 Resp: 1184261

Ion Ratio Lower Upper

107 100

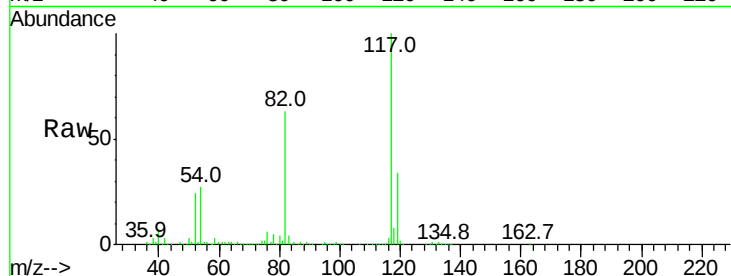
109 93.3 73.0 109.6



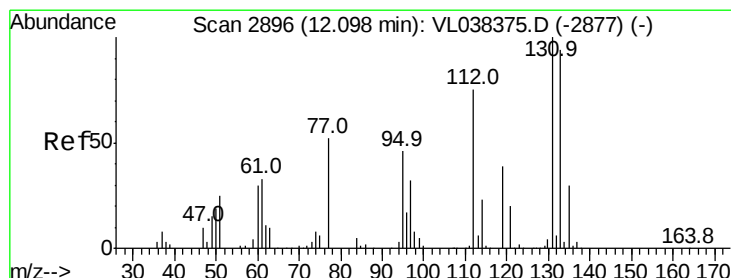
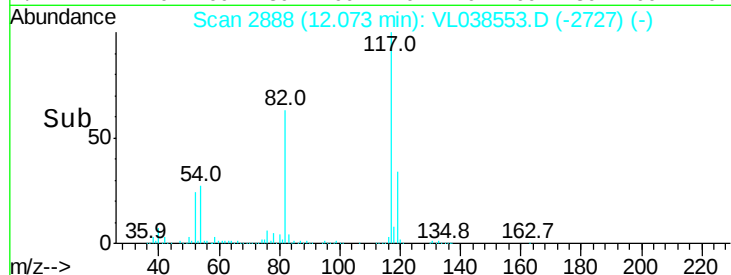
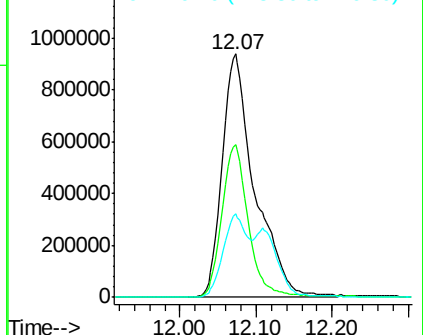


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:08

Tgt Ion:117 Resp: 2804774
Ion Ratio Lower Upper
117 100
82 52.2 54.9 82.3#
119 46.2 46.1 69.1

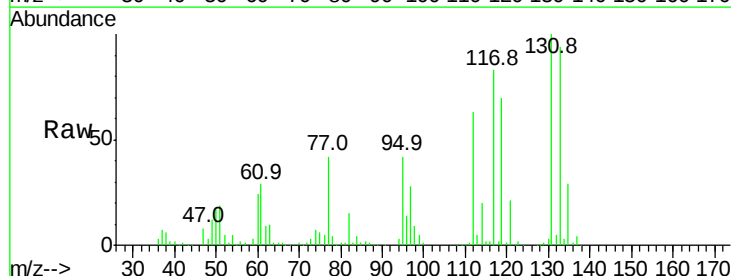


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

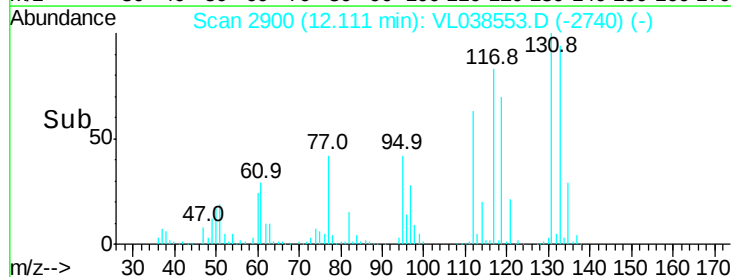
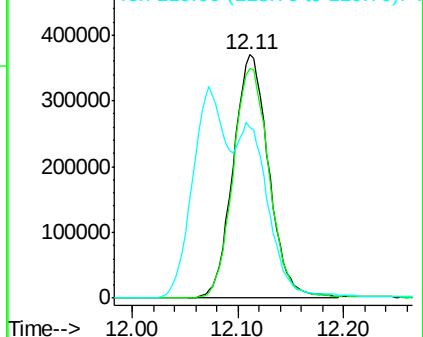


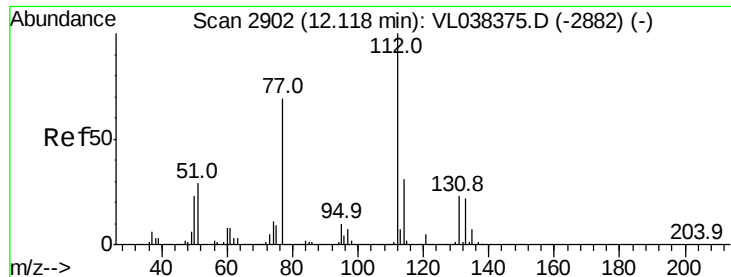
#56
1,1,1,2-Tetrachloroethane
Concen: 7.42 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: 0.01 min
Lab File: VL038553.D
Acq: 8 Mar 2022 11:08

Tgt Ion:131 Resp: 867379
Ion Ratio Lower Upper
131 100
133 97.5 77.3 115.9
119 66.4 48.6 73.0



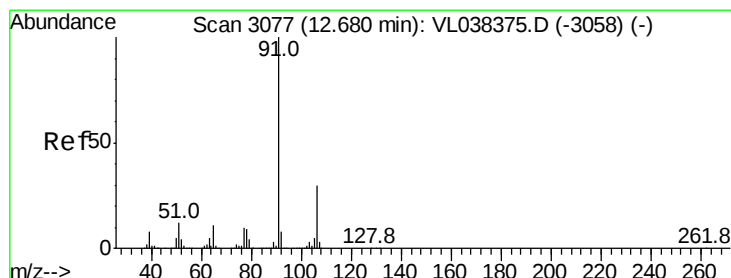
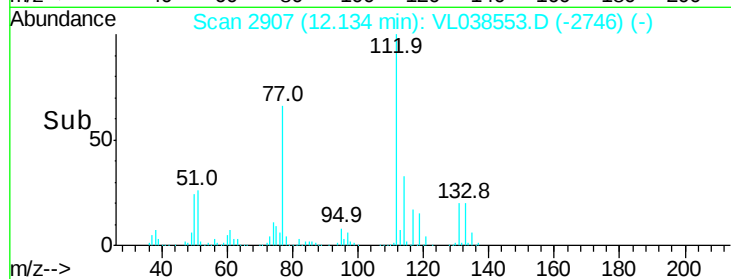
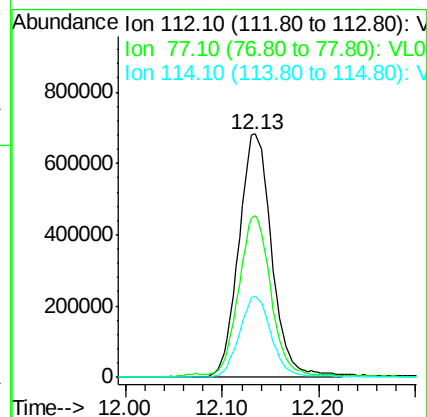
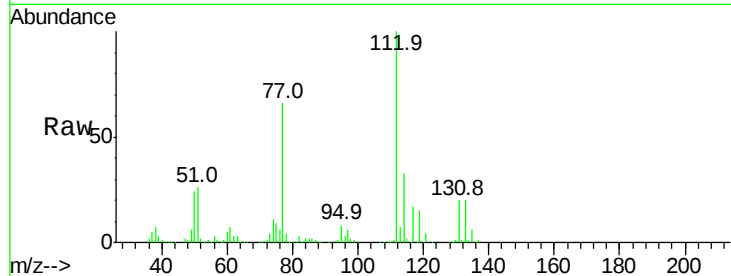
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





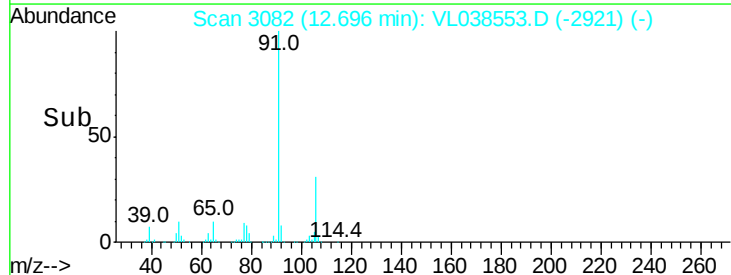
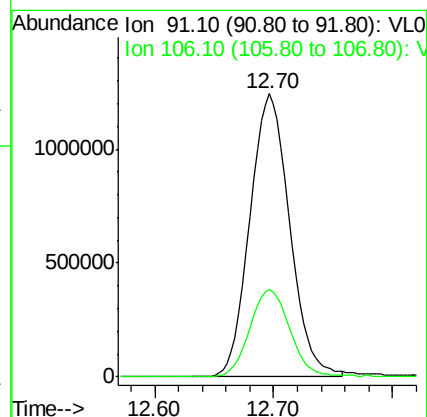
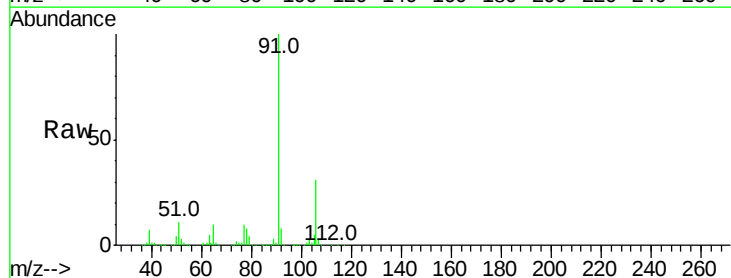
#57
Chlorobenzene
Concen: 7.49 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDICCC010
Acq: 8 Mar 2022 11:08

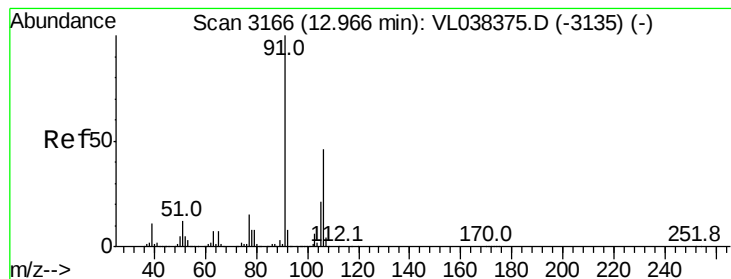
Tgt Ion: 112 Resp: 1619892
Ion Ratio Lower Upper
112 100
77 65.6 55.2 82.8
114 33.3 27.9 34.1



#58
Ethyl Benzene
Concen: 7.50 ppbv
RT: 12.70 min Scan# 3082
Delta R.T.: 0.02 min
Lab File: VL038553.D
Acq: 8 Mar 2022 11:08

Tgt Ion: 91 Resp: 2878456
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0





#59

m/p-Xylene

Concen: 7.82 ppbv

RT: 12.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

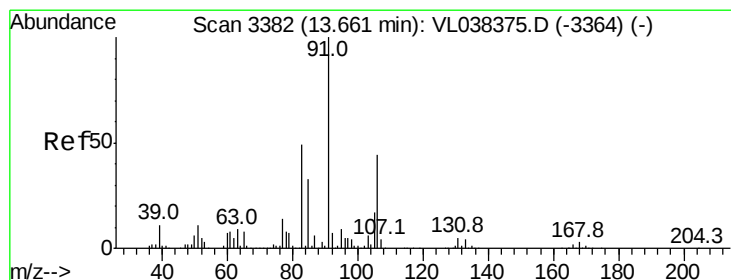
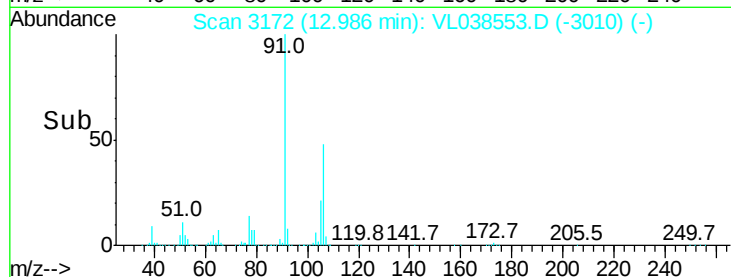
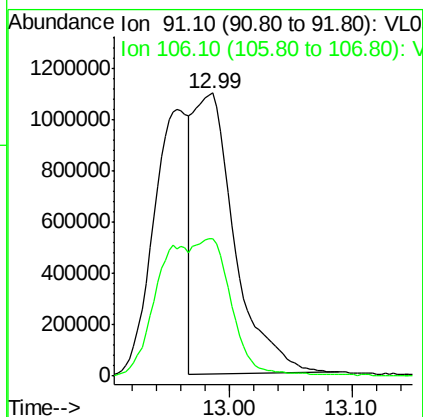
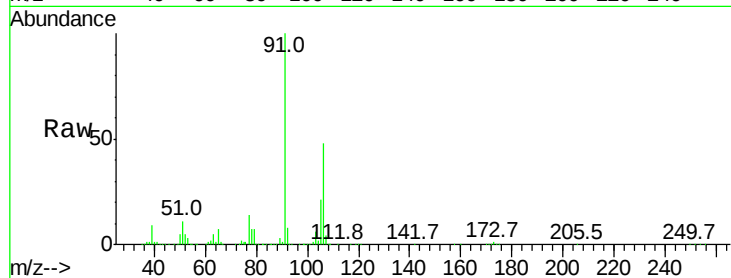
Acq: 8 Mar 2022 11:08

Tgt Ion: 91 Resp: 2575951

Ion Ratio Lower Upper

91 100

106 85.5 34.4 51.6#



#60

o-Xylene

Concen: 7.11 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL038553.D

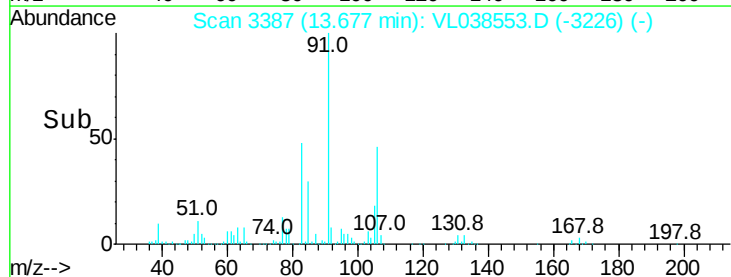
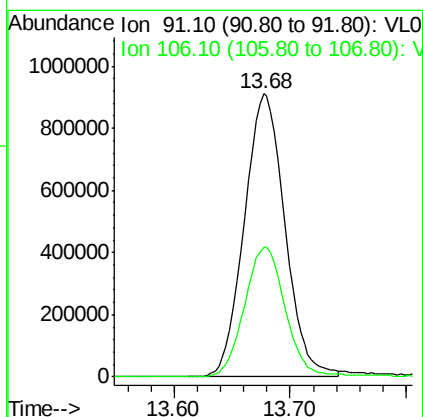
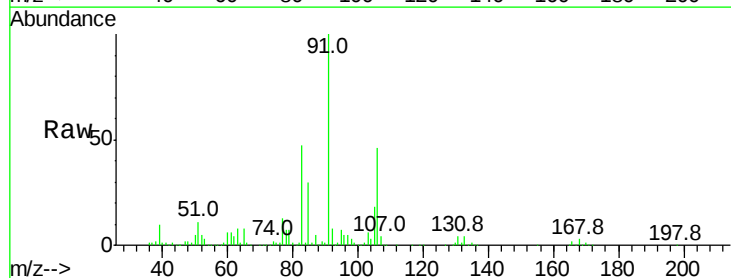
Acq: 8 Mar 2022 11:08

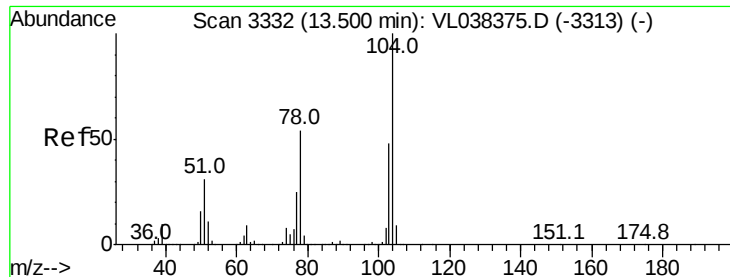
Tgt Ion: 91 Resp: 2215253

Ion Ratio Lower Upper

91 100

106 47.1 21.9 65.5





#61

Styrene

Concen: 8.68 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08

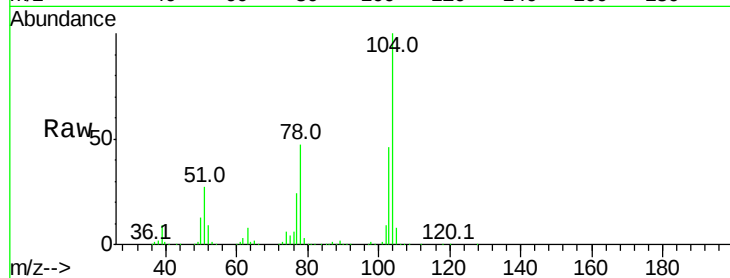
Tgt Ion:104 Resp: 1246799

Ion Ratio Lower Upper

104 100

78 48.7 44.2 66.4

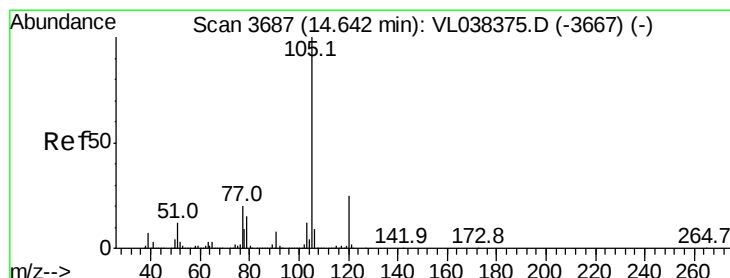
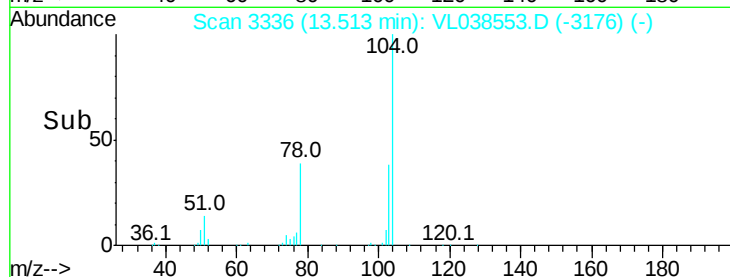
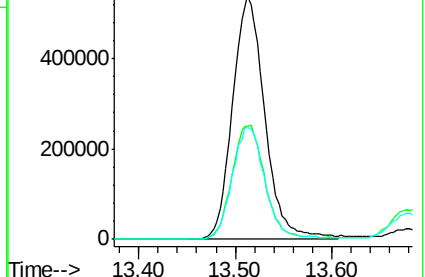
103 47.5 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.36 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.01 min

Lab File: VL038553.D

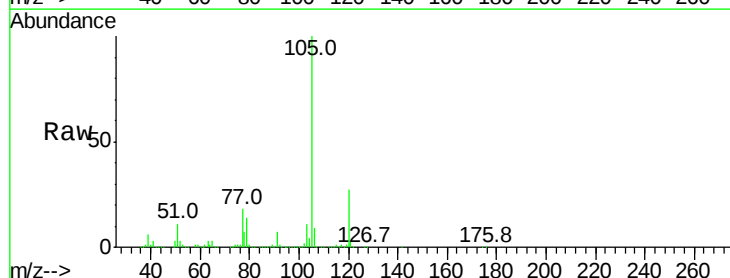
Acq: 8 Mar 2022 11:08

Tgt Ion:105 Resp: 3077732

Ion Ratio Lower Upper

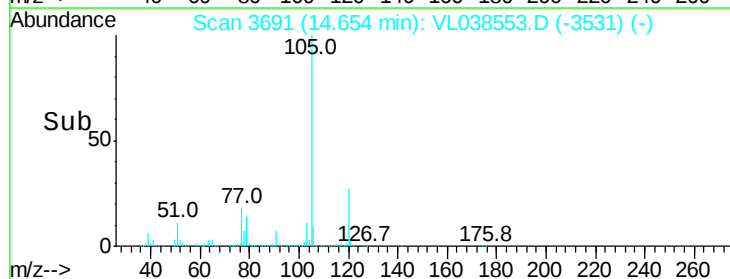
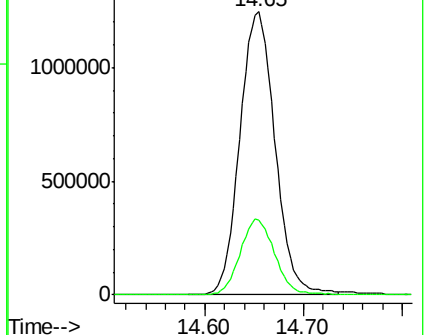
105 100

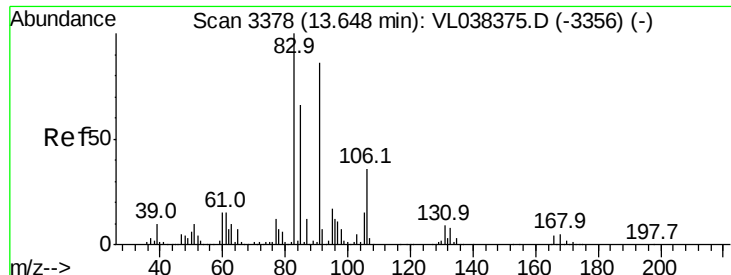
120 26.5 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

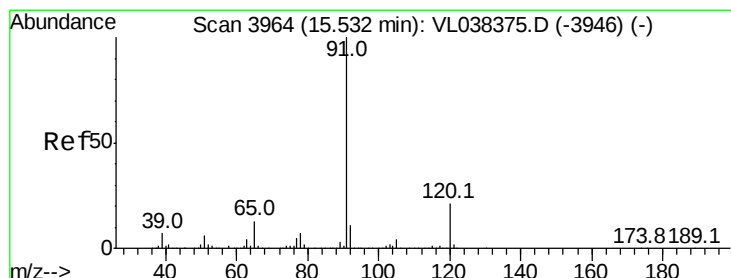
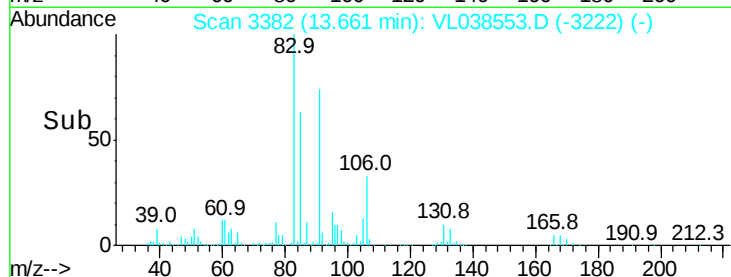
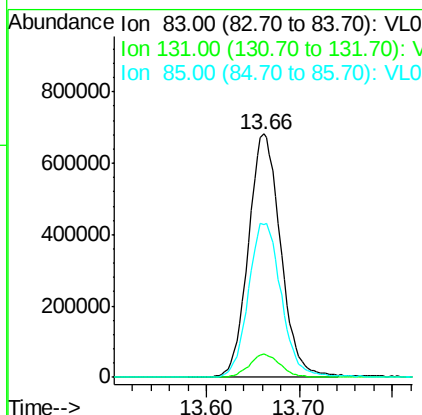
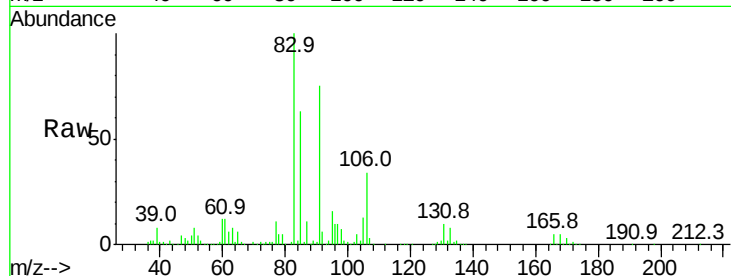
Ion 120.20 (119.90 to 120.90): V





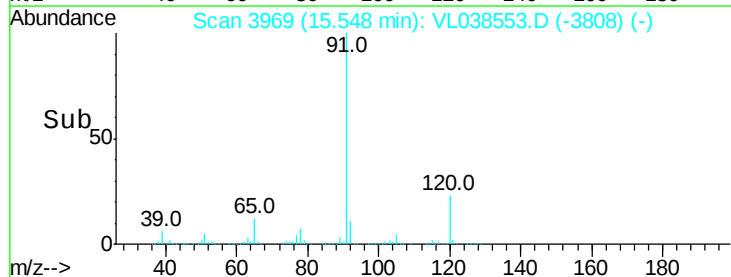
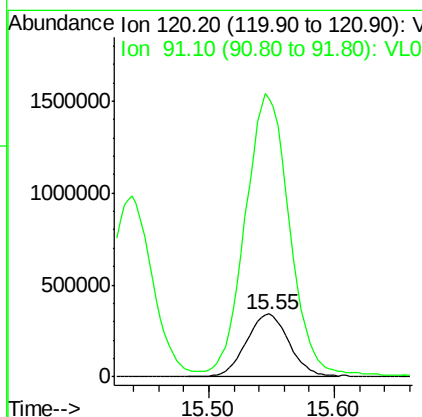
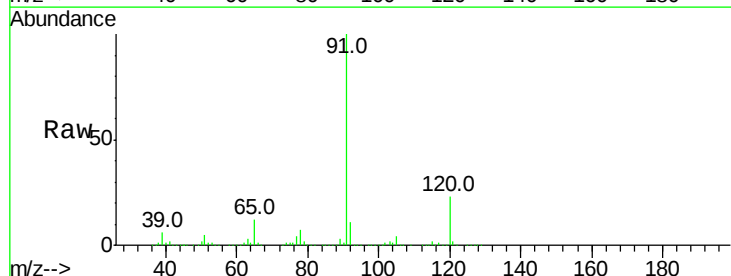
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.54 ppbv
 RT: 13.66 min
 Delta R.T. 0.02 min
 Lab File: VSTDICCC010
 Acq: 8 Mar 2022 11:08

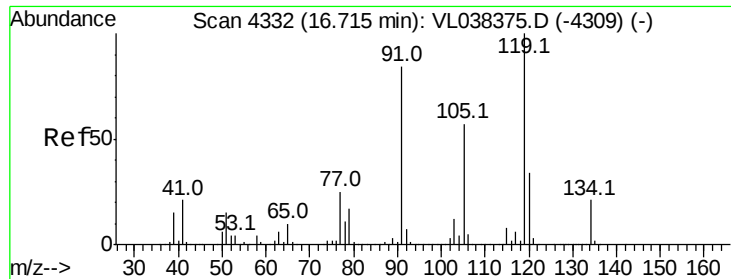
Tgt Ion: 83 Resp: 1654117
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.5 13.7
 85 65.3 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.90 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.02 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

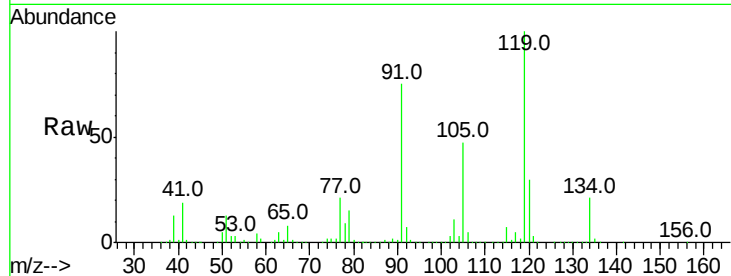
Tgt Ion: 120 Resp: 817063
 Ion Ratio Lower Upper
 120 100
 91 467.7 388.1 582.1



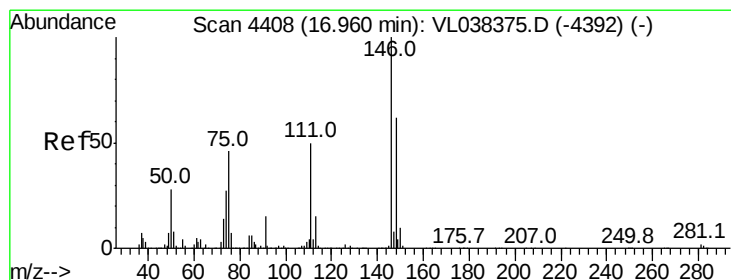
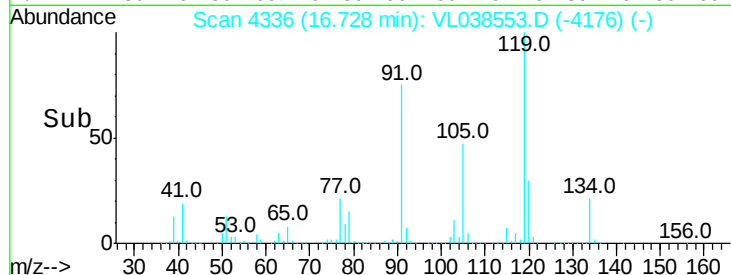
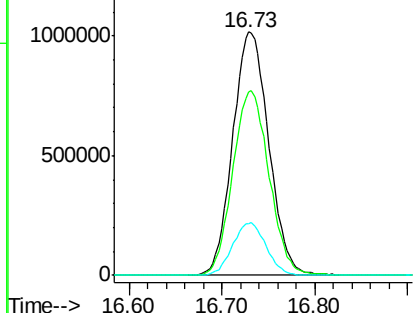


#65
 tert-Butylbenzene
 Concen: 7.57 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:08

Tgt Ion: 119 Resp: 2738501
 Ion Ratio Lower Upper
 119 100
 91 76.5 68.0 102.0
 134 20.2 15.8 23.8

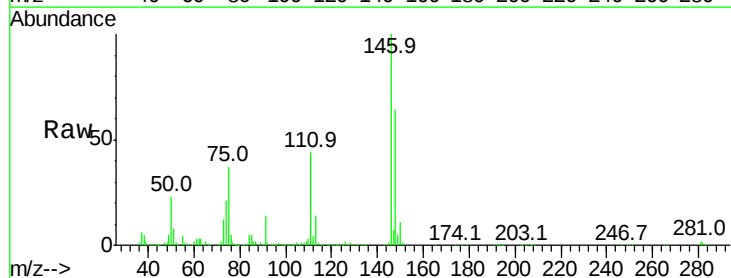


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

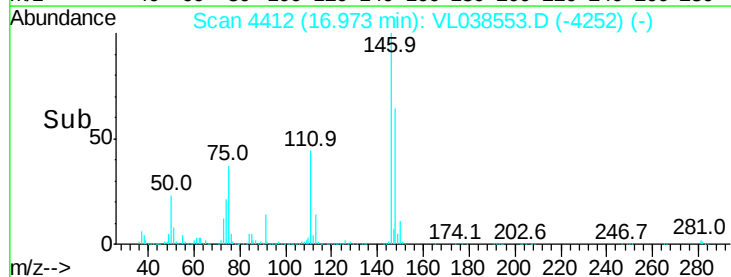
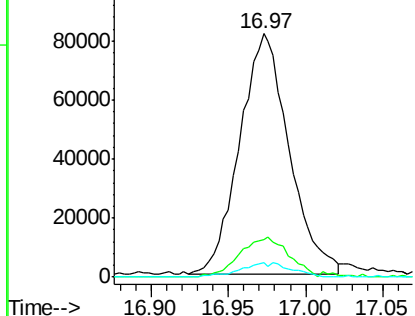


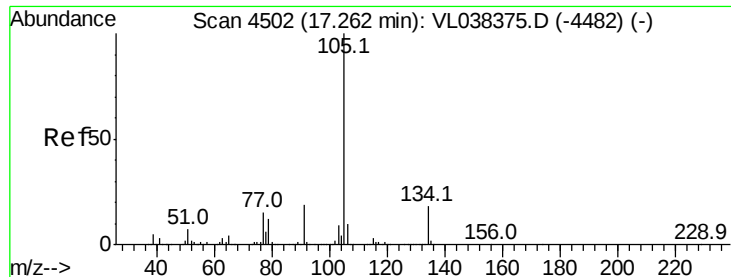
#66
 Benzyl Chloride
 Concen: 9.23 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

Tgt Ion: 91 Resp: 180439
 Ion Ratio Lower Upper
 91 100
 126 17.6 12.3 18.5
 128 6.4 4.2 6.4#



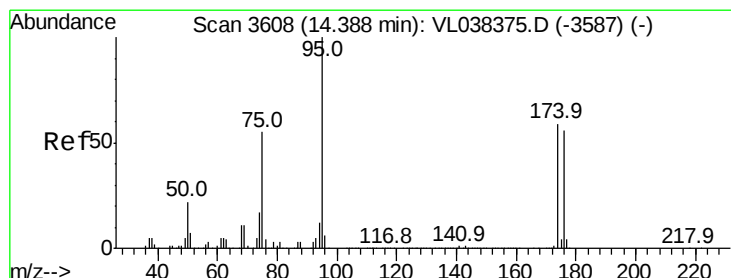
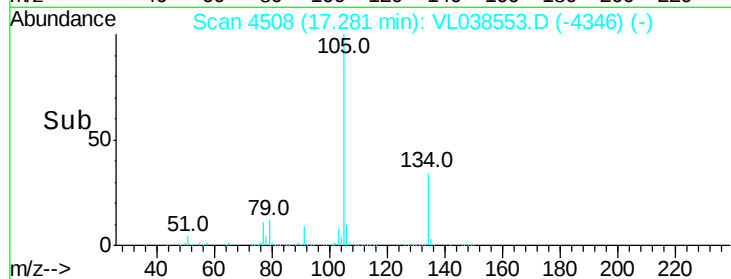
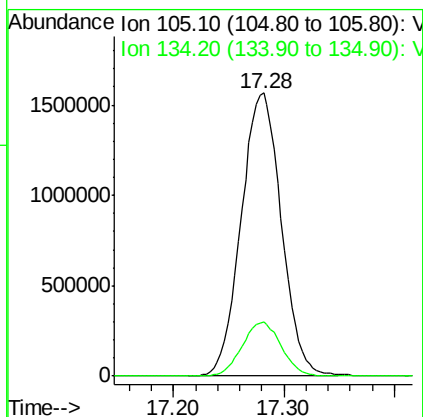
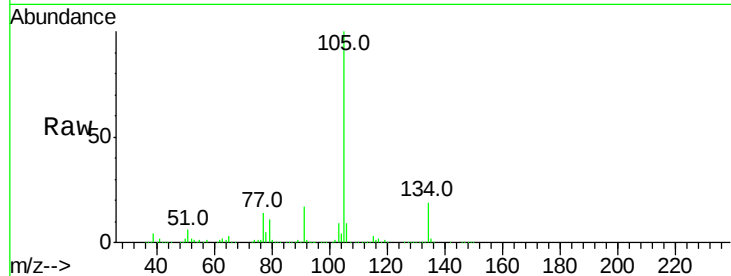
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





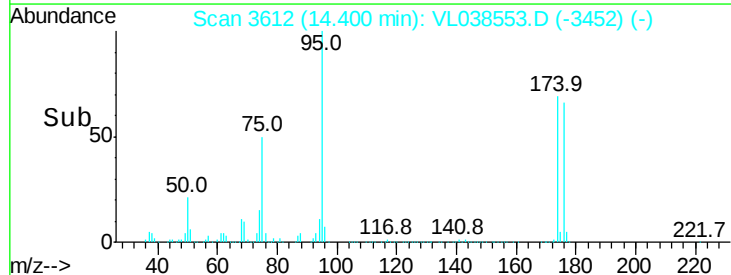
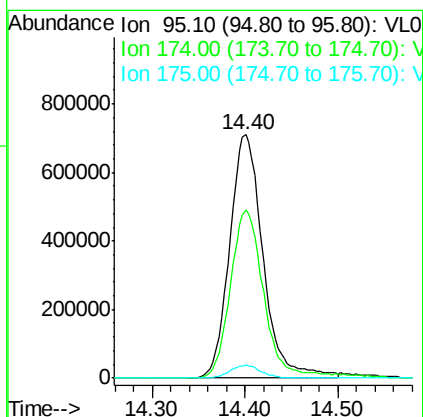
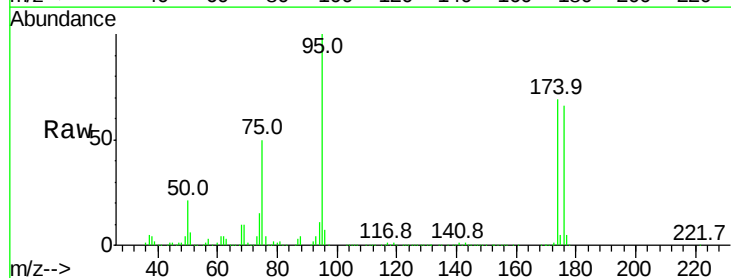
#67
 sec-Butylbenzene
 Concen: 7.68 ppbv
 RT: 17.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 8 Mar 2022 11:08

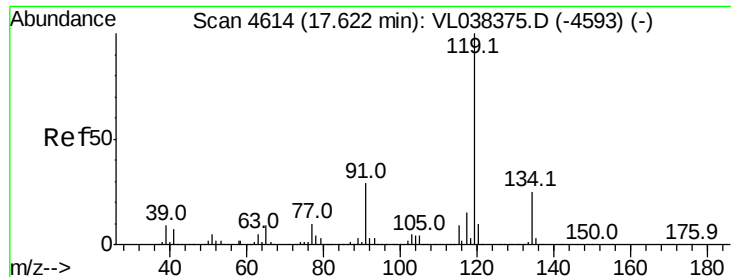
Tgt Ion: 105 Resp: 3937774
 Ion Ratio Lower Upper
 105 100
 134 18.8 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.66 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T.: 0.01 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

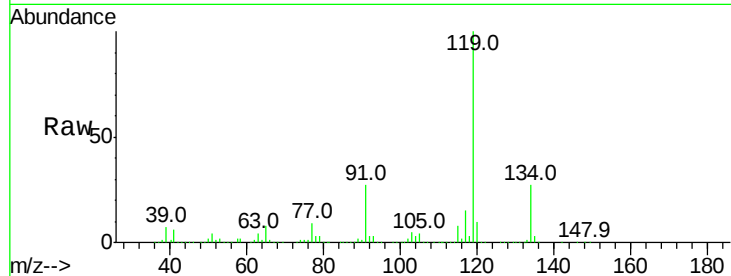
Tgt Ion: 95 Resp: 1778101
 Ion Ratio Lower Upper
 95 100
 174 70.3 49.0 73.4
 175 5.2 3.6 5.4



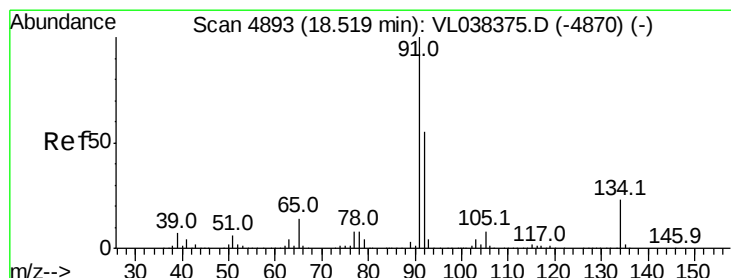
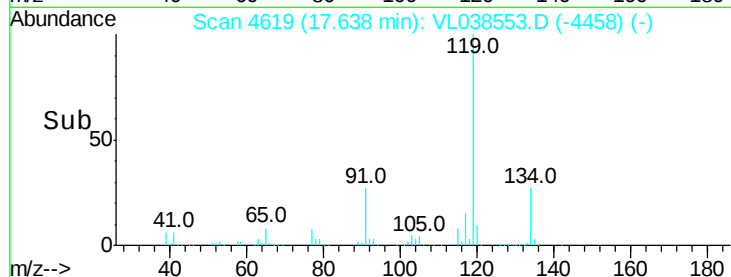
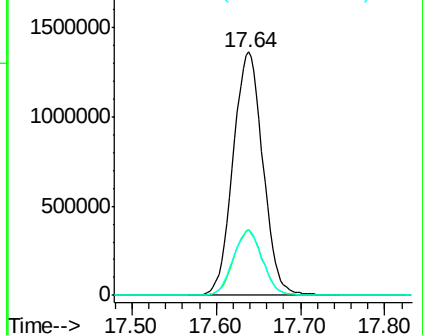


#69
 p-Isopropyltoluene
 Concen: 8.36 ppbv
 RT: 17.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 8 Mar 2022 11:08

Tgt Ion: 119 Resp: 3366435
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.4 30.6
 91 26.4 23.8 35.8

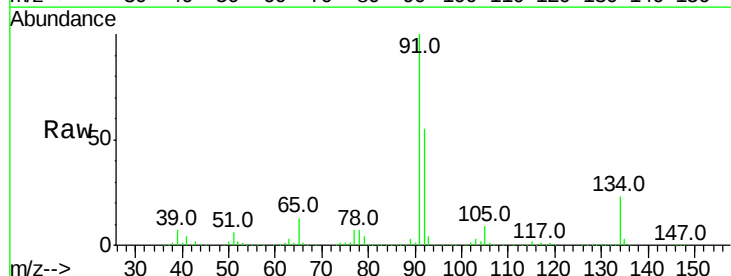


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

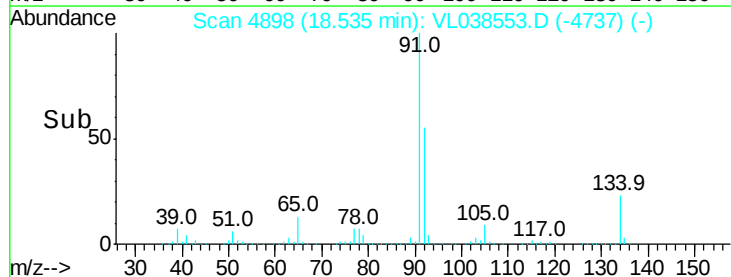
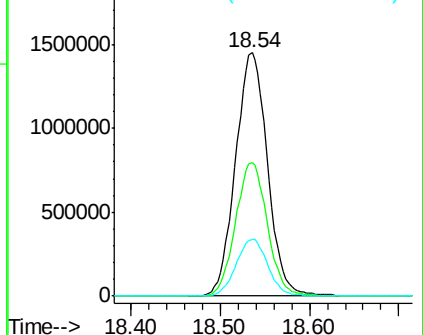


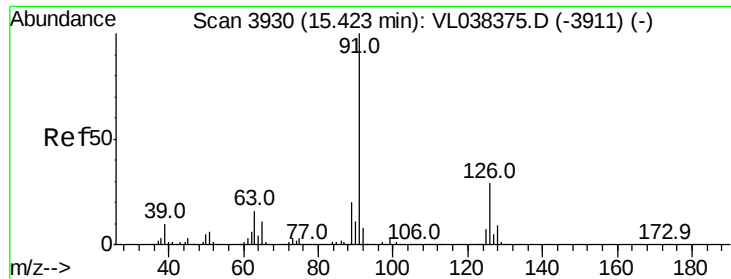
#70
 n-Butylbenzene
 Concen: 8.64 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.02 min
 Lab File: VL038553.D
 Acq: 8 Mar 2022 11:08

Tgt Ion: 91 Resp: 3603214
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.1 64.7
 134 23.4 17.4 26.0



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: 7.30 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

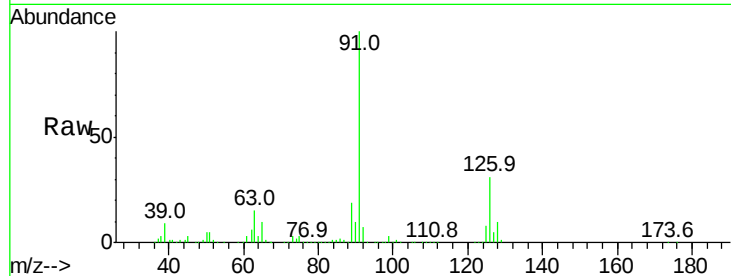
Acq: 8 Mar 2022 11:08

Tgt Ion: 91 Resp: 2344683

Ion Ratio Lower Upper

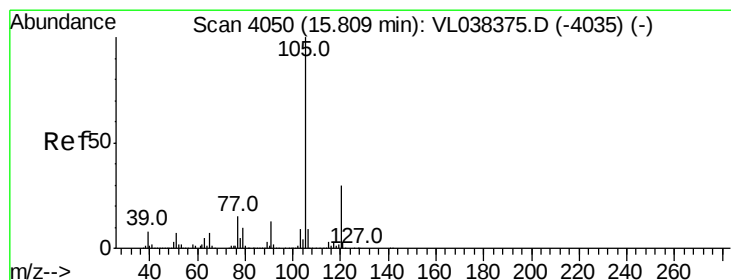
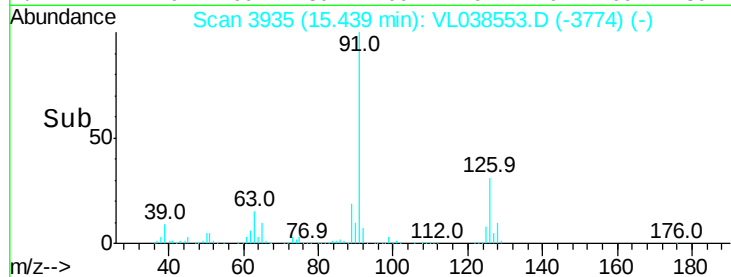
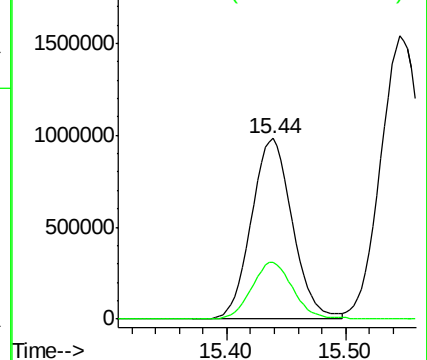
91 100

126 32.3 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.76 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.02 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

Tgt Ion: 105 Resp: 2661659

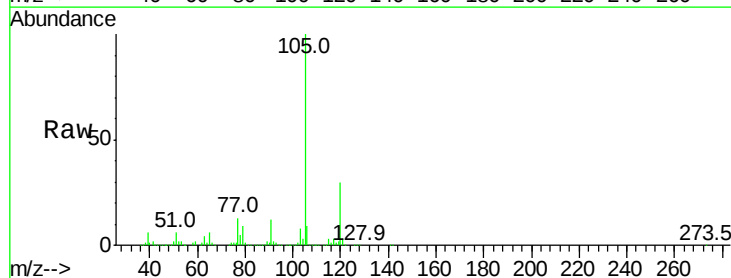
Ion Ratio Lower Upper

105 100

120 31.2 23.4 35.2

91 12.2 10.4 15.6

77 13.4 11.6 17.4

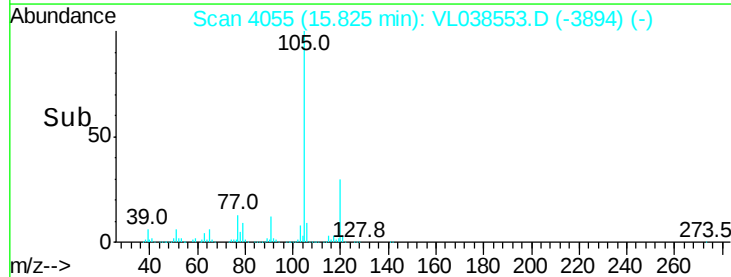
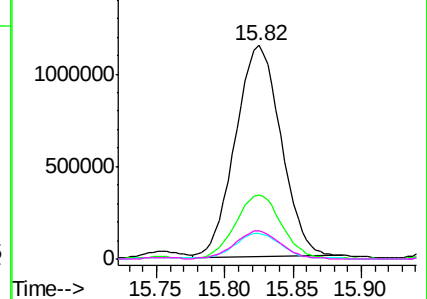


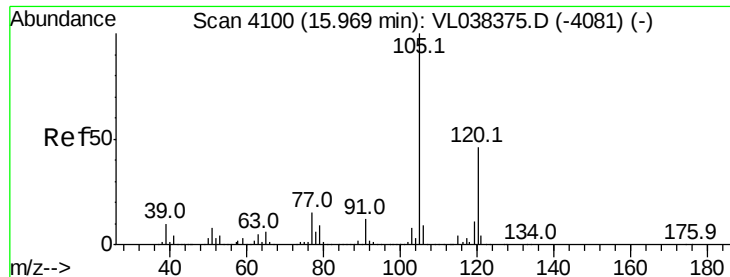
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.69 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

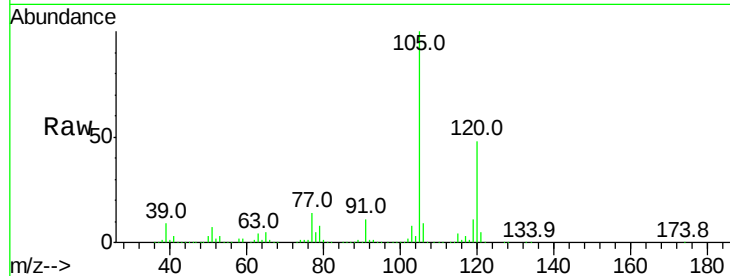
Acq: 8 Mar 2022 11:08

Tgt Ion:105 Resp: 2395871

Ion Ratio Lower Upper

105 100

120 47.9 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

400000

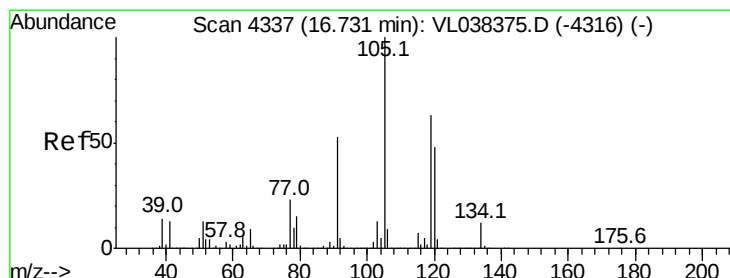
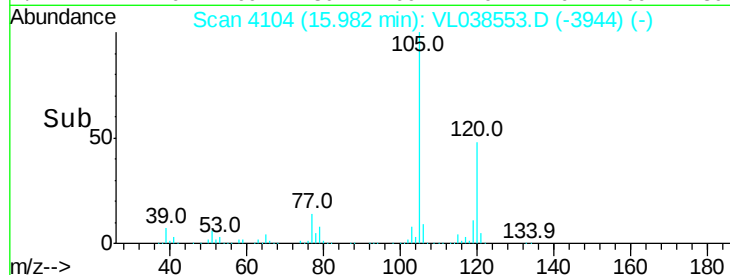
200000

0

15.90

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.77 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.02 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

Tgt Ion:105 Resp: 2555230

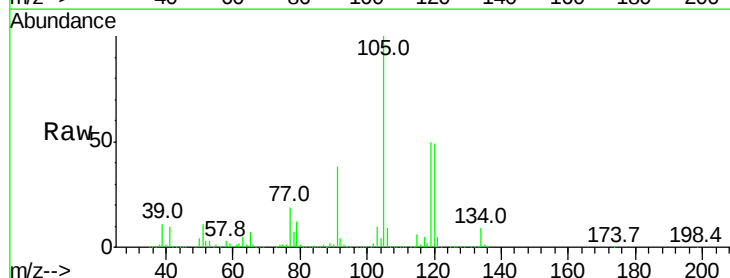
Ion Ratio Lower Upper

105 100

120 48.6 38.2 57.4

91 38.3 42.7 64.1#

77 19.0 18.5 27.7



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

1500000

1000000

500000

0

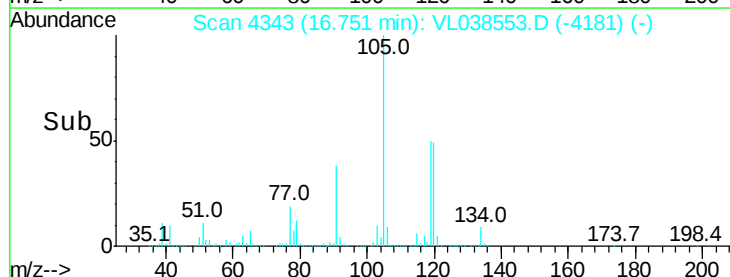
16.60

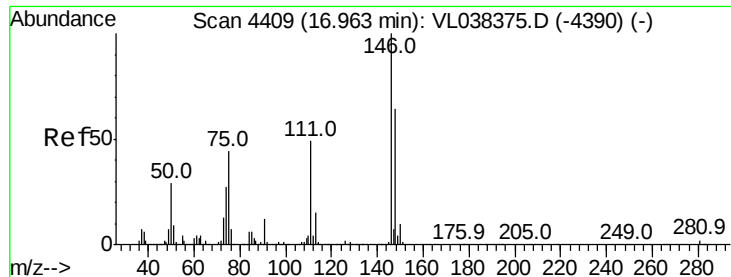
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.93 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08

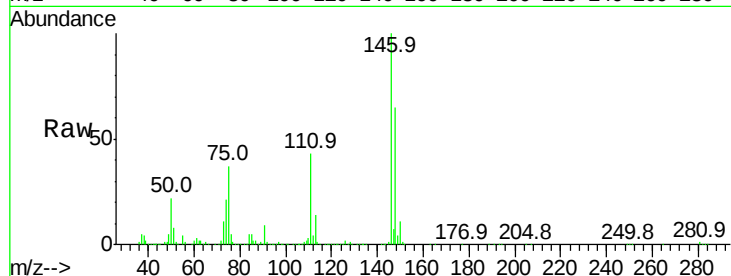
Tgt Ion:146 Resp: 1644461

Ion Ratio Lower Upper

146 100

111 43.9 24.3 72.9

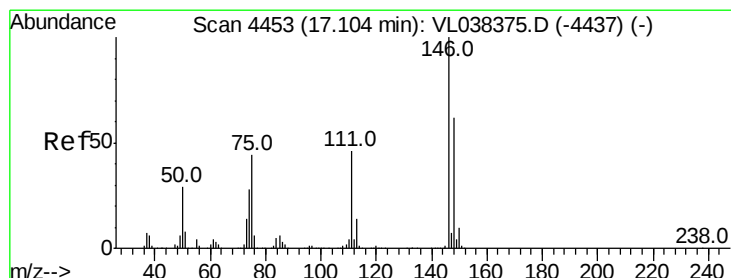
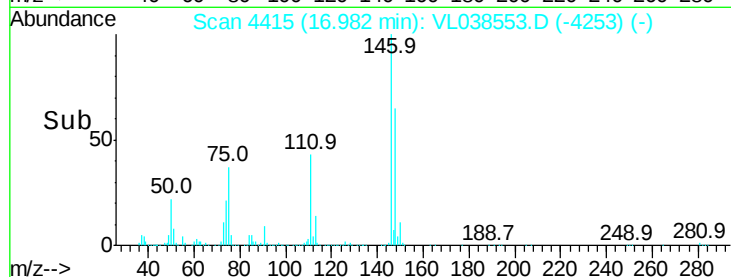
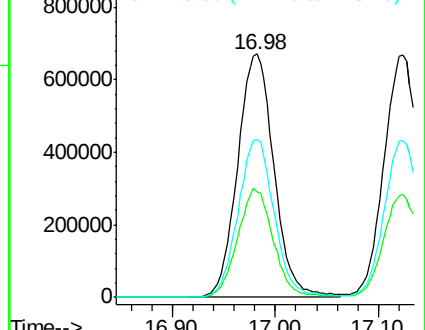
148 64.4 32.0 96.0



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



#76

1,4-Dichlorobenzene

Concen: 8.83 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. 0.02 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

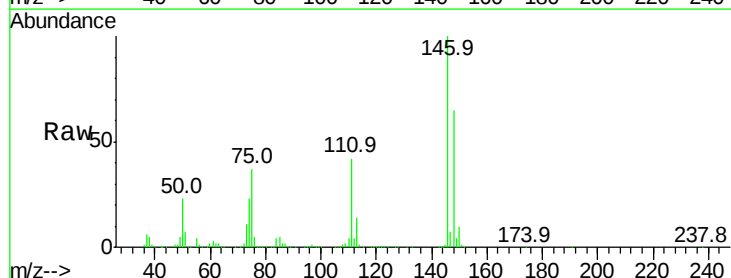
Tgt Ion:146 Resp: 1604111

Ion Ratio Lower Upper

146 100

111 43.5 24.1 72.2

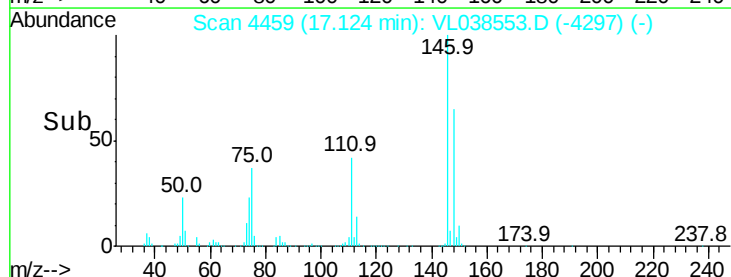
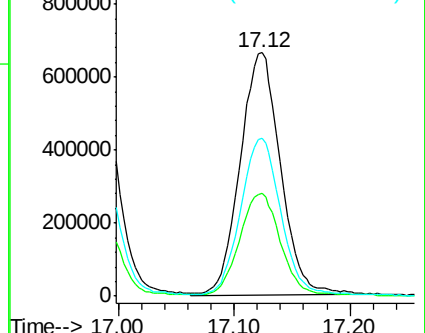
148 65.6 32.8 98.4

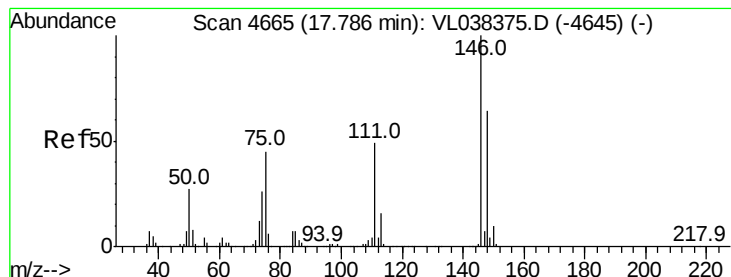


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.23 ppbv

RT: 17.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08

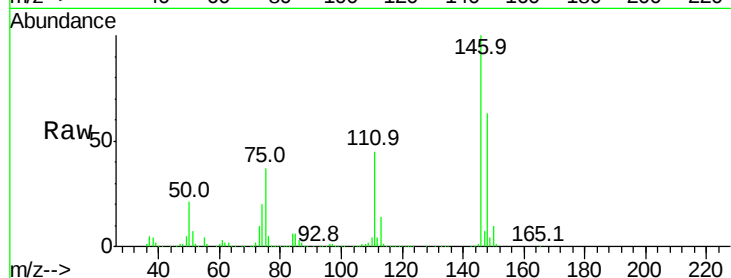
Tgt Ion:146 Resp: 1637136

Ion Ratio Lower Upper

146 100

111 46.3 25.6 76.6

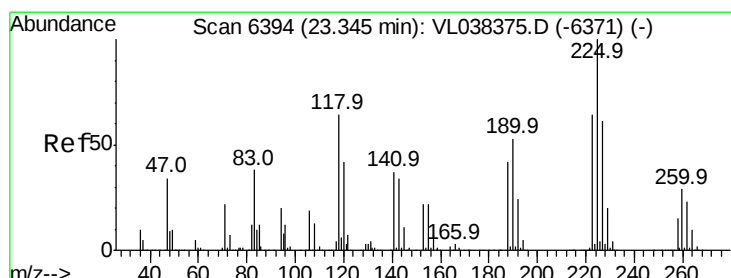
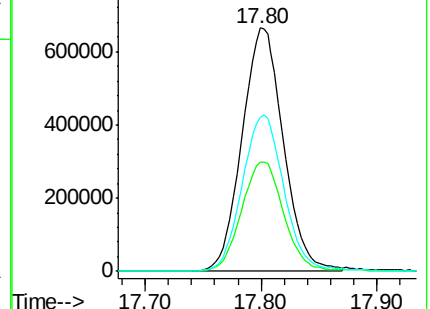
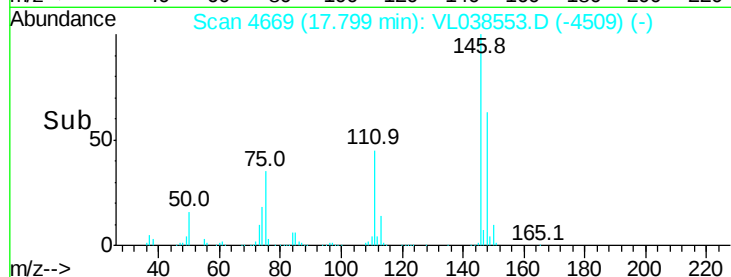
148 65.3 32.4 97.2



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: 11.00 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.02 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

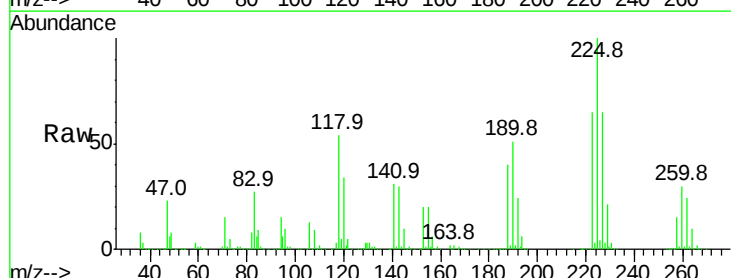
Tgt Ion:225 Resp: 1488443

Ion Ratio Lower Upper

225 100

223 64.2 52.0 78.0

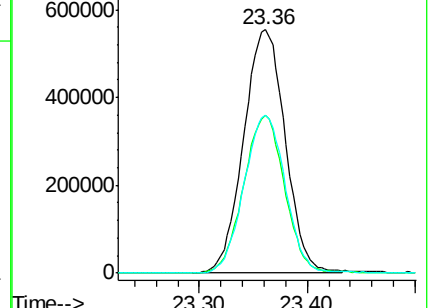
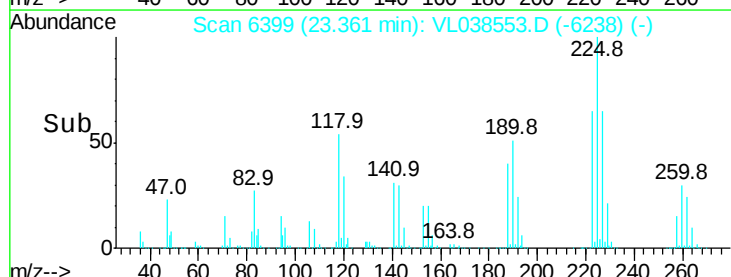
227 64.9 51.6 77.4

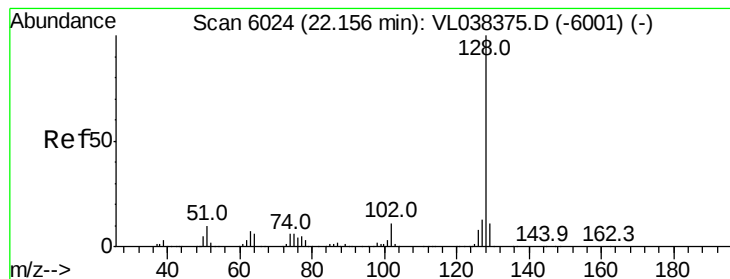


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 16.42 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:08

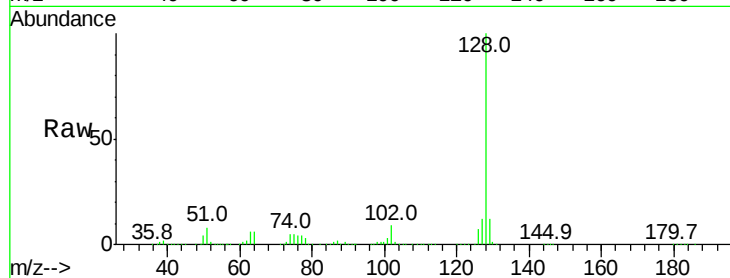
Tgt Ion:128 Resp: 2926654

Ion Ratio Lower Upper

128 100

127 12.4 10.7 16.1

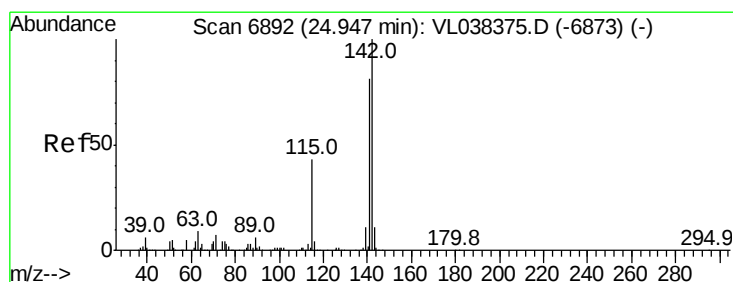
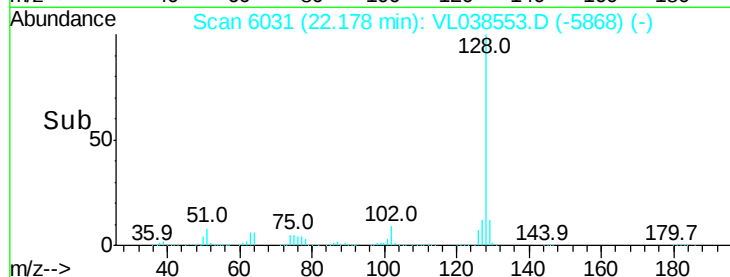
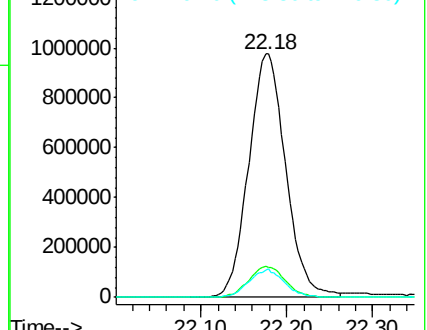
129 11.6 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 15.73 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL038553.D

Acq: 8 Mar 2022 11:08

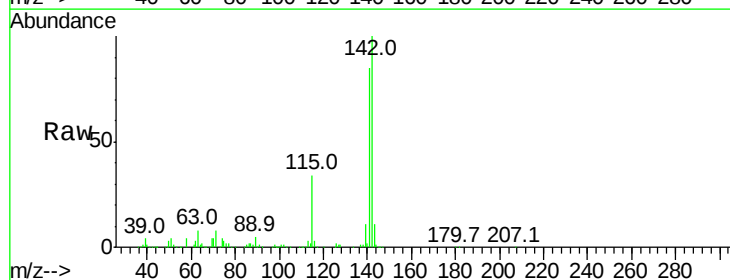
Tgt Ion:142 Resp: 547717

Ion Ratio Lower Upper

142 100

141 85.5 69.8 104.6

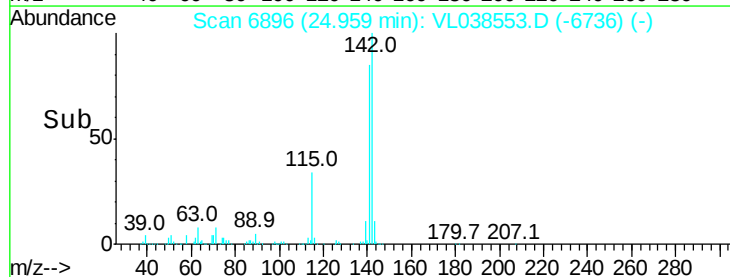
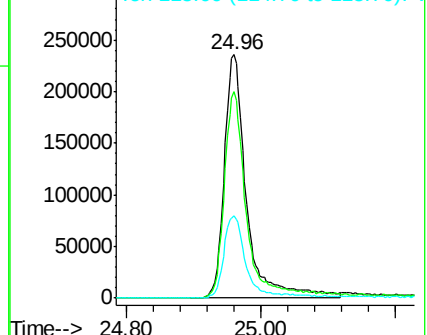
115 34.9 33.0 49.6

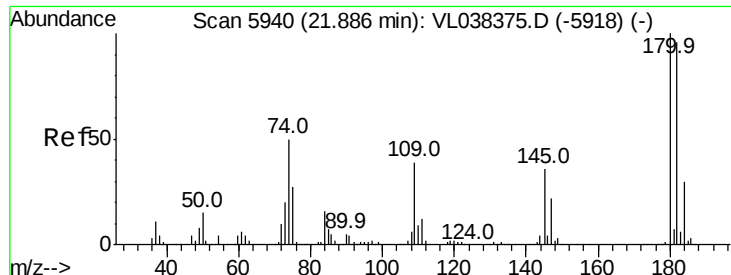


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

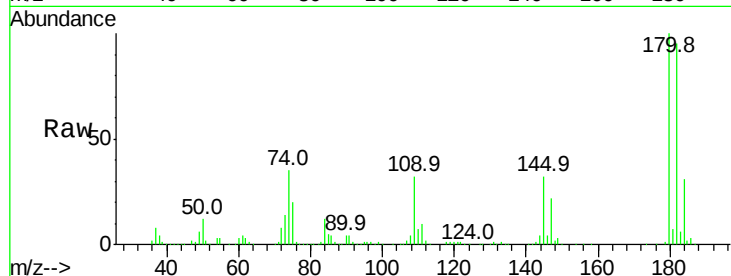
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 15.16 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 8 Mar 2022 11:08

Tgt Ion:180 Resp: 1634096
 Ion Ratio Lower Upper
 180 100
 182 98.9 77.4 116.2
 184 31.3 24.9 37.3



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

