

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038475.D
 Acq On : 2 Mar 2022 9:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 02 22:34:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.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	5.67	49	953812	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2441813	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2780519	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1914169	8.32	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1248874	8.27	ppbv	98
3) Chlorodifluoromethane	2.99	51	1577210	9.36	ppbv	100
4) Chloromethane	3.14	50	543049	9.28	ppbv	100
5) Vinyl Chloride	3.26	62	569808	9.31	ppbv	99
6) Bromomethane	3.48	94	307849	9.54	ppbv	100
7) Chloroethane	3.56	64	193068	9.83	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1371977	9.76	ppbv	99
9) Propene	3.01	41	523545	9.41	ppbv	97
10) Heptane	8.11	43	1327647	9.81	ppbv	99
11) Trichlorofluoromethane	3.95	101	1363505	9.43	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	993319	9.37	ppbv	97
13) Ethanol	3.61	45	41631	7.50	ppbv	98
14) Bromoethene	3.74	108	424153	10.04	ppbv	98
15) Acetone	3.85	43	691424	8.52	ppbv	100
16) 1,3-Butadiene	3.33	39	540404	9.97	ppbv	96
17) tert-Butyl alcohol	4.29	59	858993	10.61	ppbv	100
18) 1,1-Dichloroethene	4.29	96	454443	9.76	ppbv	98
19) Isopropyl Alcohol	3.96	45	447183	9.52	ppbv	100
20) Methylene Chloride	4.34	84	352996	8.78	ppbv	98
21) Allyl Chloride	4.41	41	668543	9.76	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	466602	9.93	ppbv	99
23) Vinyl Acetate	5.07	43	1076637	10.02	ppbv	100
24) 1,1-Dichloroethane	5.01	63	922131	9.54	ppbv	100
25) Ethyl Acetate	5.67	43	2127963	9.76	ppbv	99
26) Hexane	5.69	57	980658	9.94	ppbv	96
27) Carbon Disulfide	4.55	76	1103737	10.05	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	985405	9.80	ppbv	98
29) Chloroform	5.75	83	1583547	9.83	ppbv	99
30) Cyclohexane	7.12	84	828657	10.27	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	990968	10.36	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	1575920	9.73	ppbv	99
34) 2-Butanone	5.24	43	739305	9.63	ppbv	100
35) Carbon Tetrachloride	7.01	117	1630487	9.50	ppbv	98
36) Benzene	6.89	78	2071879	9.64	ppbv	96
37) 1,2-Dichloroethane	6.30	62	1171212	9.43	ppbv	99
38) Trichloroethene	7.83	130	754926	9.64	ppbv	97
39) 1,2-Dichloropropane	7.61	63	794249	9.28	ppbv	98
40) 1,4-Dioxane	7.83	88	193291	9.52	ppbv	94
41) Tetrahydrofuran	6.05	42	519297	10.01	ppbv	100
42) Bromodichloromethane	7.79	83	1698216	9.47	ppbv	100
43) Methyl Methacrylate	8.01	69	761408	10.19	ppbv	98

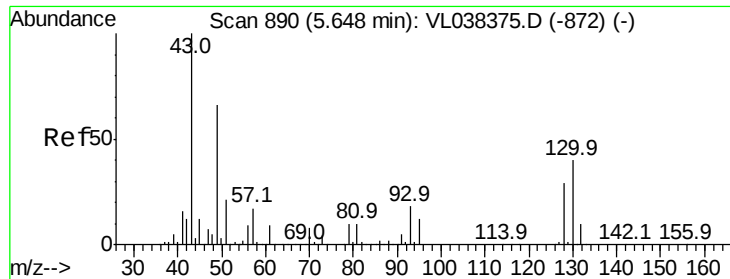
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038475.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3454220	9.35	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	635941	10.65	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	802210	10.25	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	798455	9.37	ppbv	98
48) Dibromochloromethane	10.30	129	1334793	9.58	ppbv	100
49) Bromoform	13.03	173	883254	8.59	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1356309	9.99	ppbv	98
51) 2-Hexanone	10.13	43	592486	9.75	ppbv #	96
52) Tetrachloroethene	11.22	164	652549	9.14	ppbv	96
53) Toluene	9.80	91	2263048	9.70	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1153429	9.62	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	860277	7.42	ppbv #	54
57) Chlorobenzene	12.14	112	1539234	7.17	ppbv	99
58) Ethyl Benzene	12.70	91	2879501	7.57	ppbv	98
59) m/p-Xylene	12.99	91	2425379	7.43	ppbv #	33
60) o-Xylene	13.68	91	2179400	7.06	ppbv	98
61) Styrene	13.52	104	1110292	7.80	ppbv	100
62) Isopropylbenzene	14.66	105	2909591	7.02	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	1454202	5.80	ppbv	99
64) n-propylbenzene	15.55	120	713839	6.96	ppbv	95
65) tert-Butylbenzene	16.73	119	2388349	6.66	ppbv	98
66) Benzyl Chloride	16.98	91	53207	2.74	ppbv #	68
67) sec-Butylbenzene	17.28	105	3305291	6.50	ppbv	99
69) p-Isopropyltoluene	17.64	119	2655132	6.65	ppbv	99
70) n-Butylbenzene	18.54	91	2758292	6.67	ppbv	100
71) 2-Chlorotoluene	15.44	91	2118930	6.65	ppbv	99
72) 4-Ethyltoluene	15.83	105	2344889	6.89	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2062291	6.68	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	2149847	6.59	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	1154676	6.32	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	1095355	6.08	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1095684	6.23	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	885267	6.60	ppbv	99
79) Naphthalene	22.19	128	1672384	9.47	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	272787	7.90	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	409804	3.84	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 9:41 VSTDCCC010

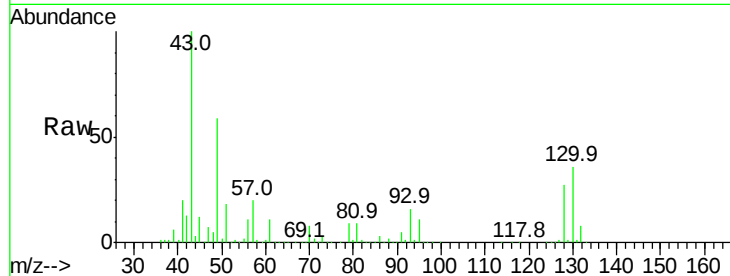
Tgt Ion: 49 Resp: 953812

Ion Ratio Lower Upper

49 100

128 50.6 24.3 72.9

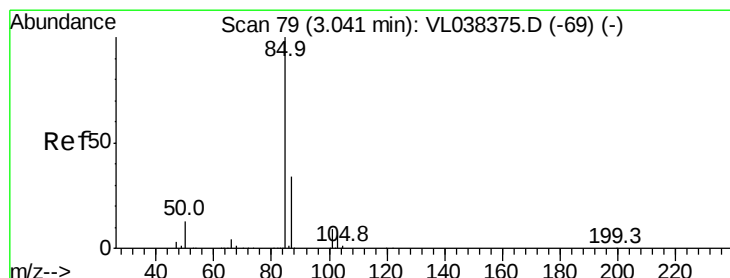
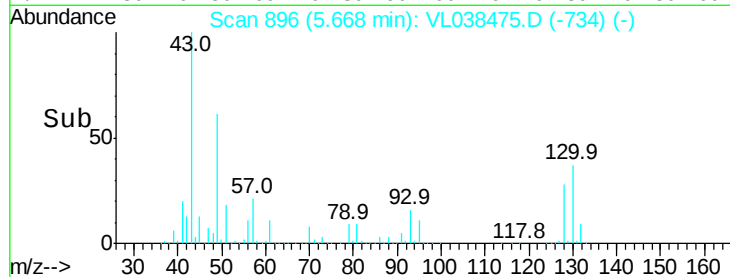
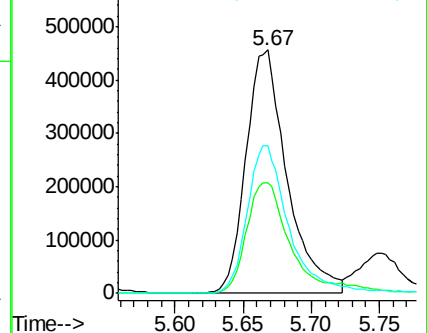
130 62.5 30.1 90.5



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



#2

Dichlorodifluoromethane

Concen: 8.27 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038475.D

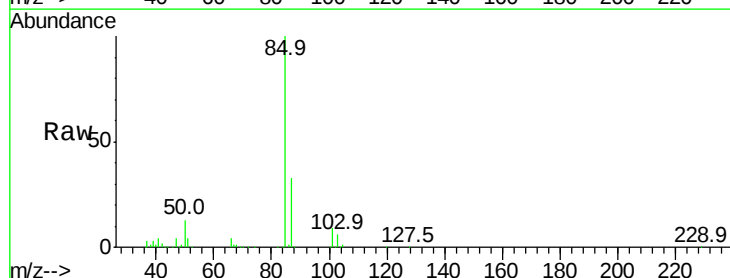
Acq: 2 Mar 2022 9:41

Tgt Ion: 85 Resp: 1248874

Ion Ratio Lower Upper

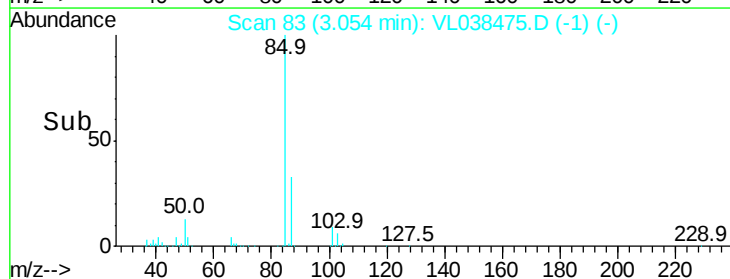
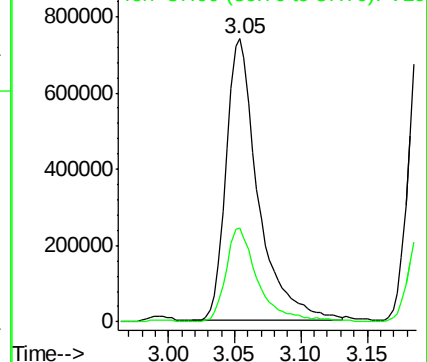
85 100

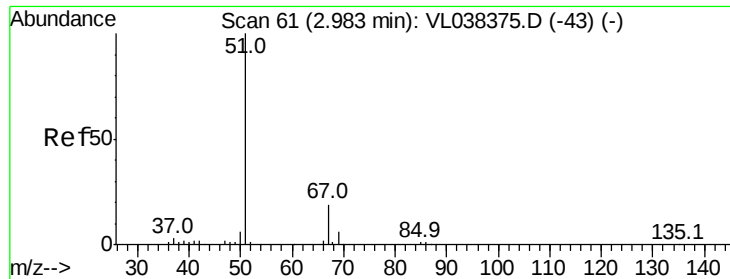
87 33.3 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.36 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

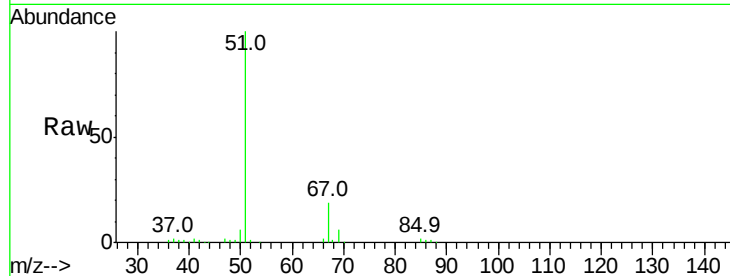
Acq: 2 Mar 2022 9:41 VSTDCCC010

Tgt Ion: 51 Resp: 1577210

Ion Ratio Lower Upper

51 100

67 18.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

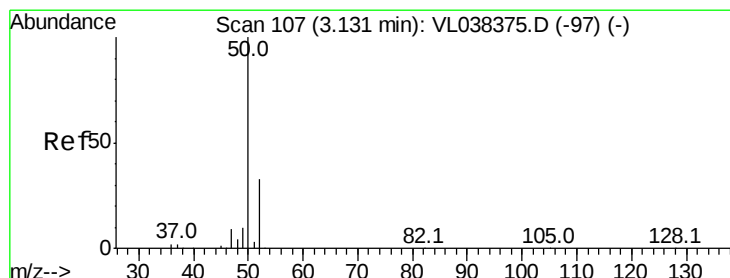
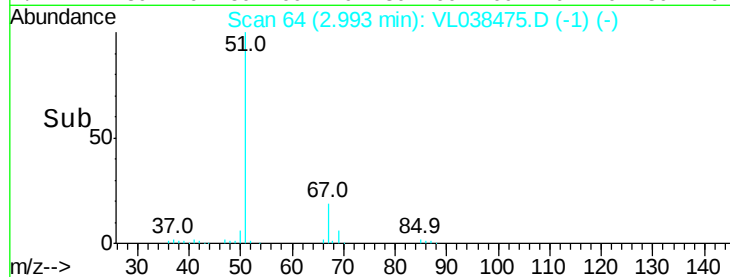
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.28 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038475.D

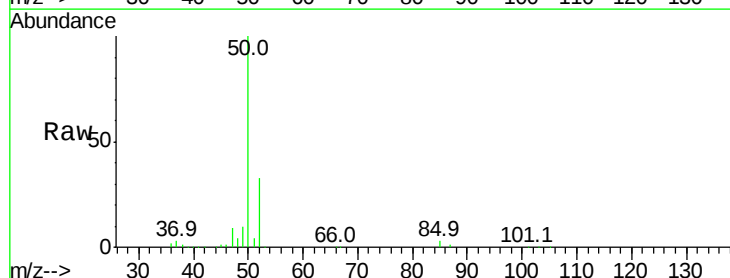
Acq: 2 Mar 2022 9:41

Tgt Ion: 50 Resp: 543049

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

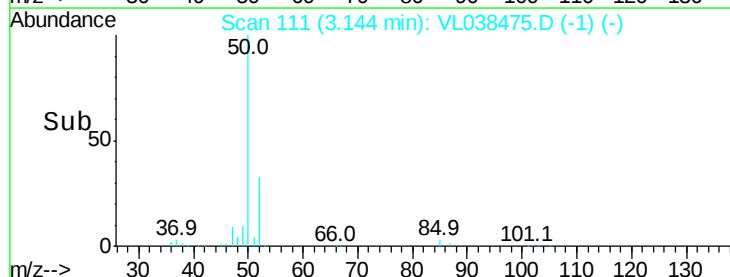
300000

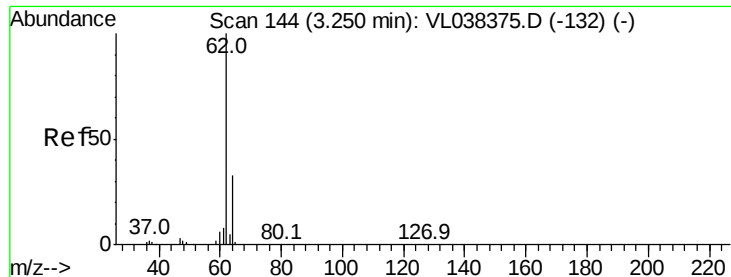
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.31 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

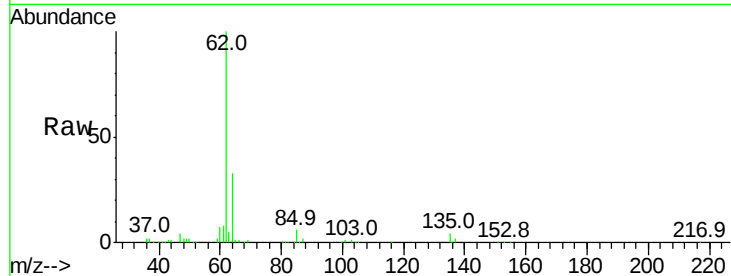
Acq: 2 Mar 2022 9:41

Tgt Ion: 62 Resp: 569808

Ion Ratio Lower Upper

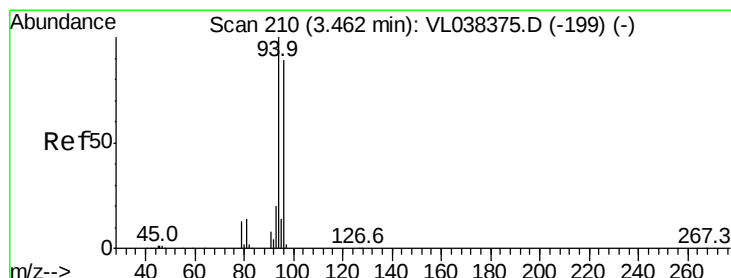
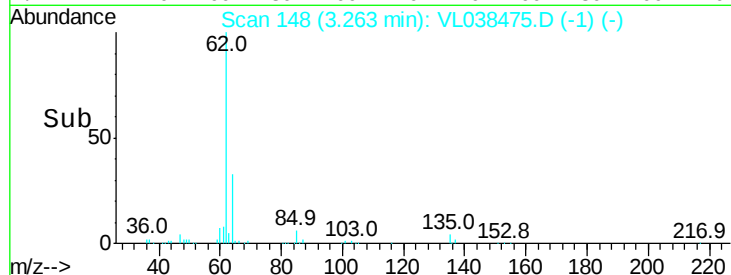
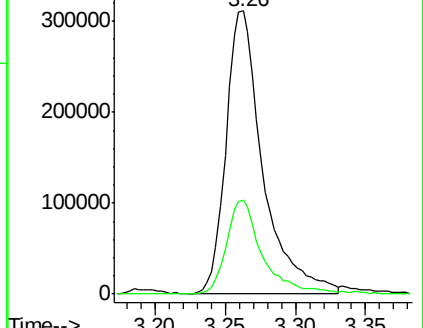
62 100

64 33.3 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: 9.54 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.02 min

Lab File: VL038475.D

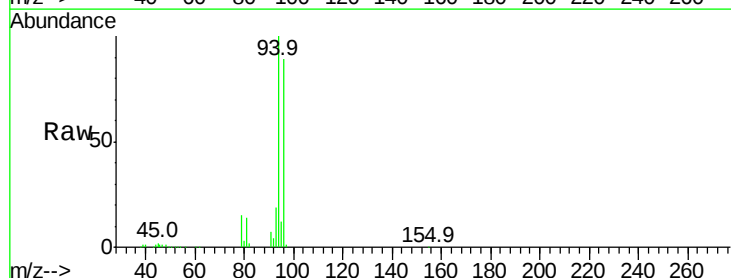
Acq: 2 Mar 2022 9:41

Tgt Ion: 94 Resp: 307849

Ion Ratio Lower Upper

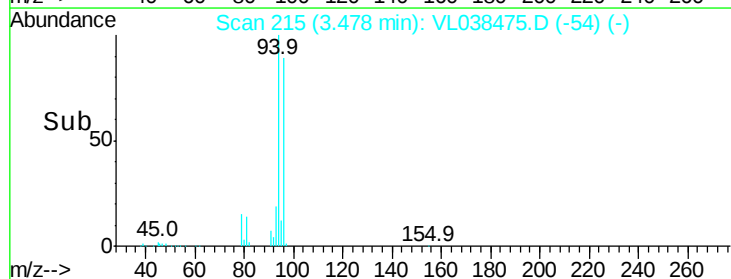
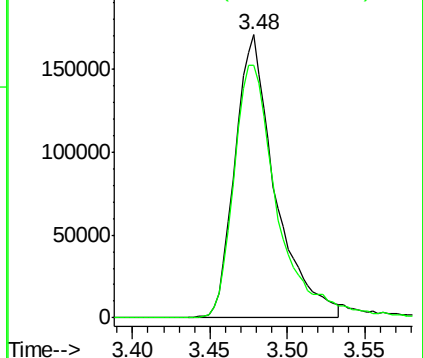
94 100

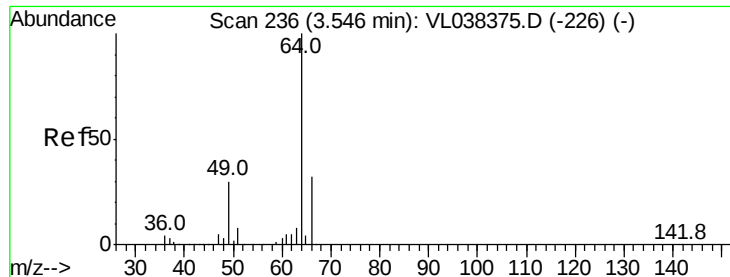
96 89.2 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.83 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

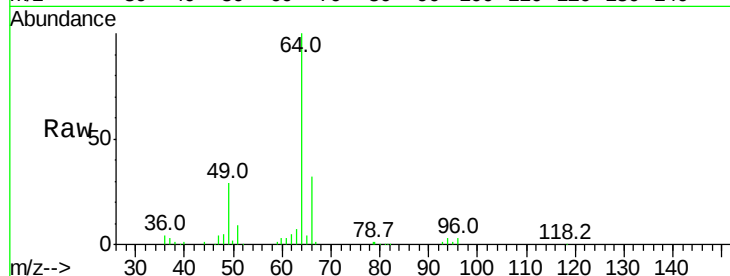
Acq: 2 Mar 2022 9:41 VSTDCCC010

Tgt Ion: 64 Resp: 193068

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

120000

100000

80000

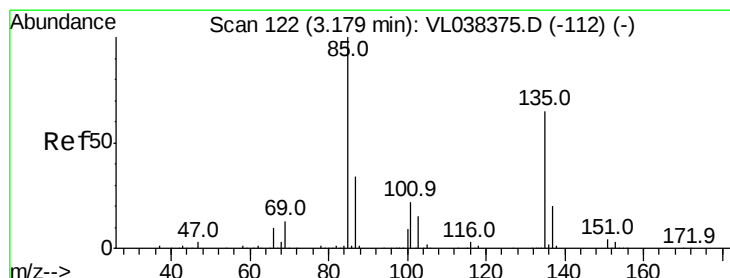
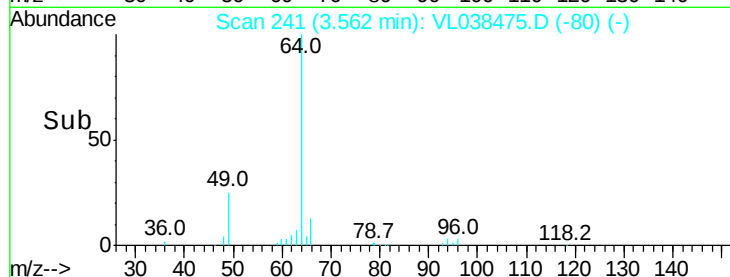
60000

40000

20000

0

Time--> 3.50 3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 9.76 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL038475.D

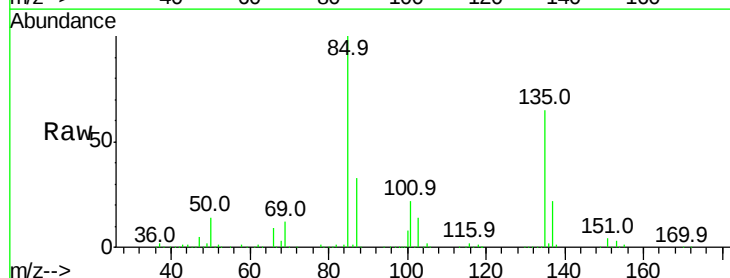
Acq: 2 Mar 2022 9:41

Tgt Ion: 85 Resp: 1371977

Ion Ratio Lower Upper

85 100

135 68.6 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

800000

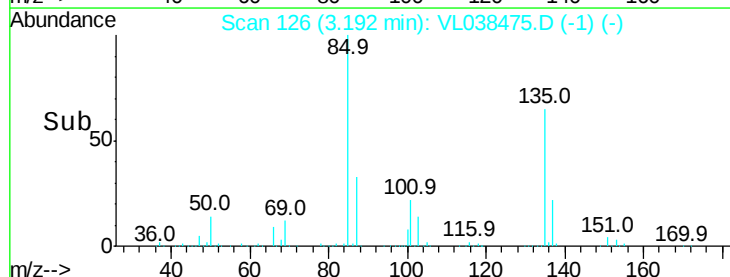
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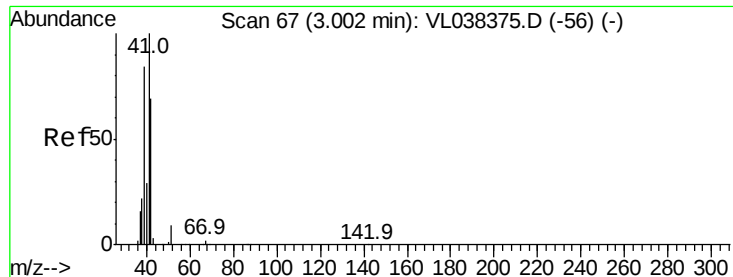
400000

200000

0

Time--> 3.10 3.20 3.30





#9

Propene

Concen: 9.41 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010

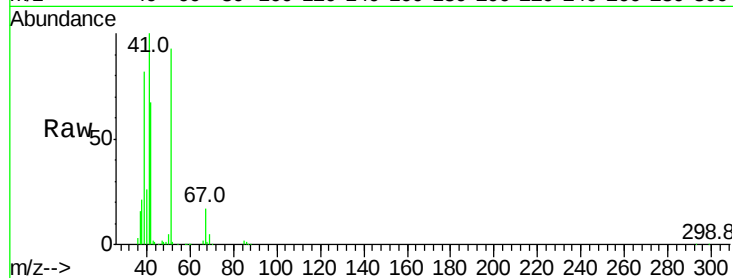
Acq: 2 Mar 2022 9:41

Tgt Ion: 41 Resp: 523545

Ion Ratio Lower Upper

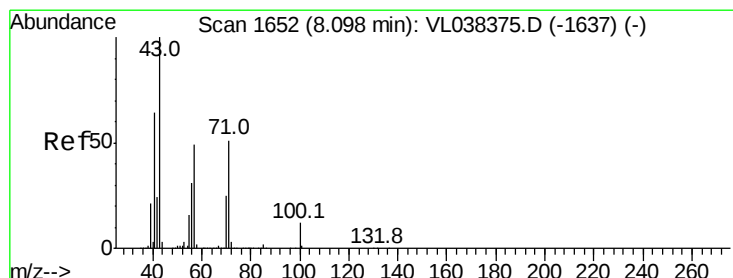
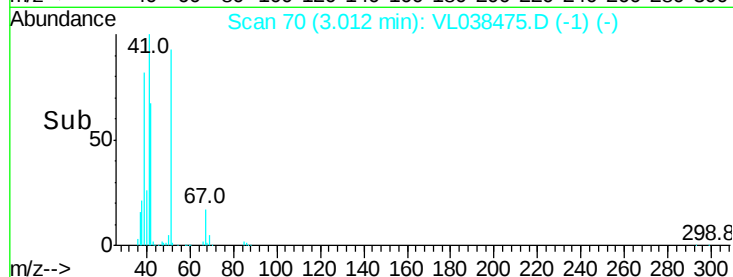
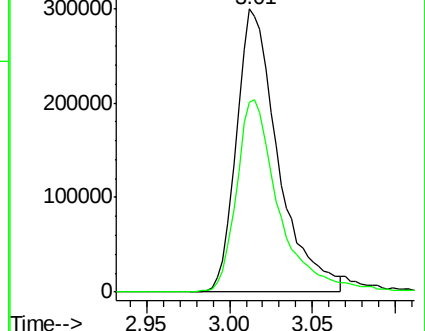
41 100

42 70.4 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: 9.81 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.02 min

Lab File: VL038475.D

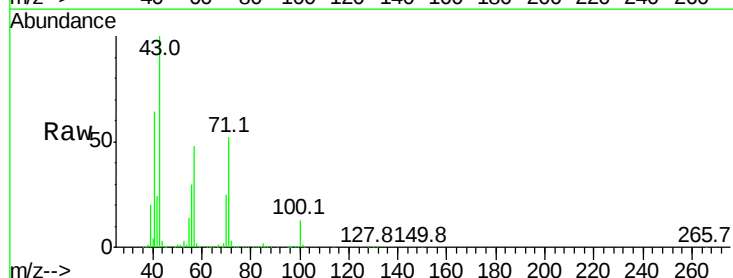
Acq: 2 Mar 2022 9:41

Tgt Ion: 43 Resp: 1327647

Ion Ratio Lower Upper

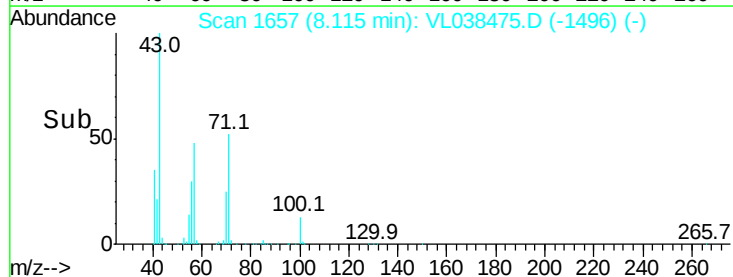
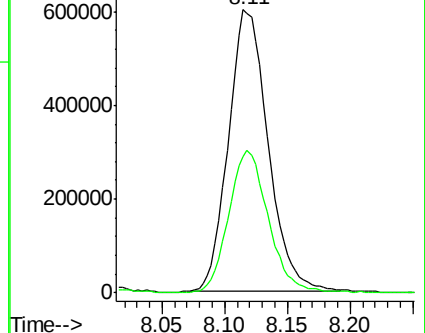
43 100

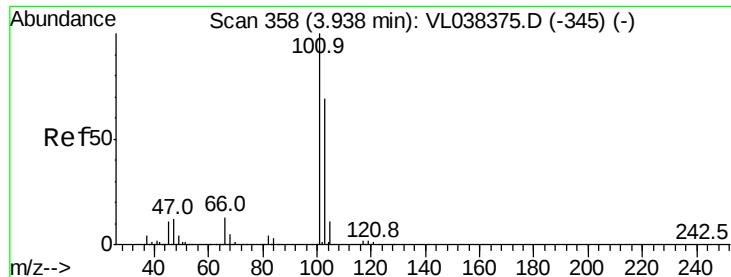
57 50.2 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

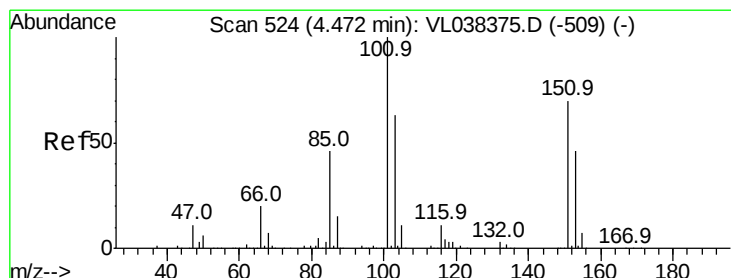
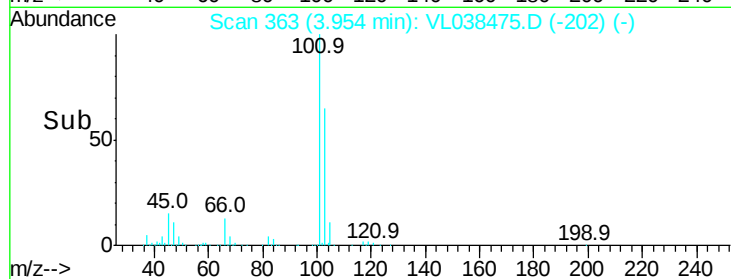
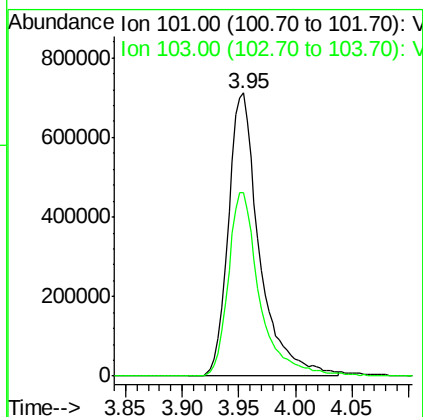
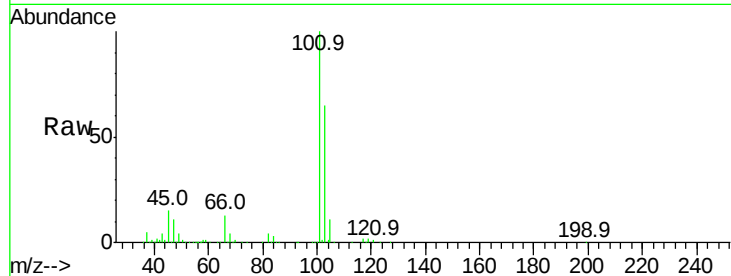
Ion 57.10 (56.80 to 57.80): VL0





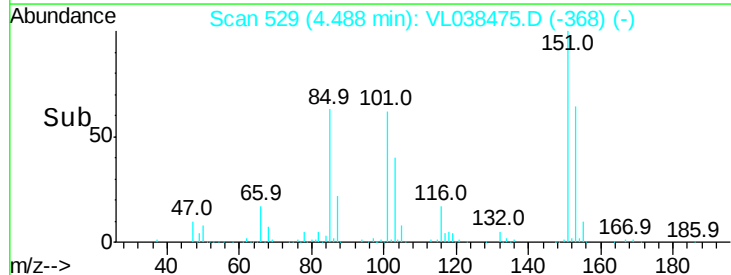
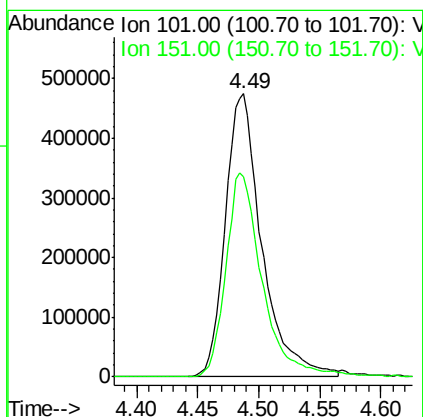
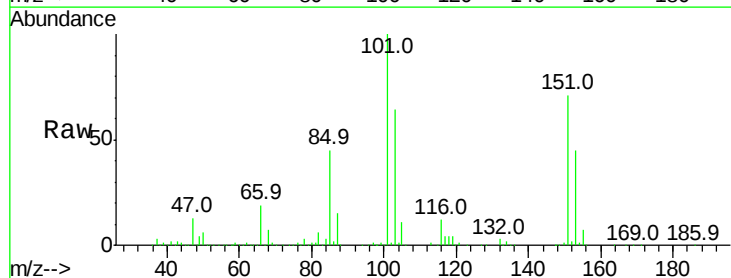
#11
 Trichlorofluoromethane
 Concen: 9.43 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 9:41

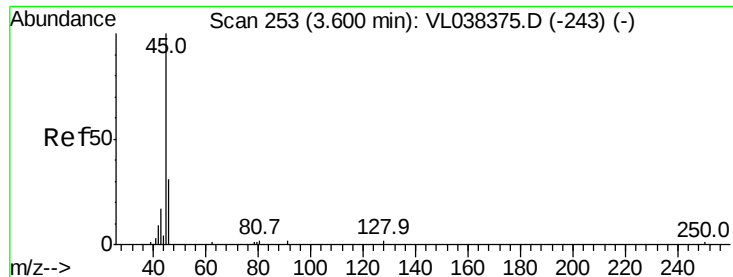
Tgt Ion:101 Resp: 1363505
 Ion Ratio Lower Upper
 101 100
 103 65.0 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.37 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

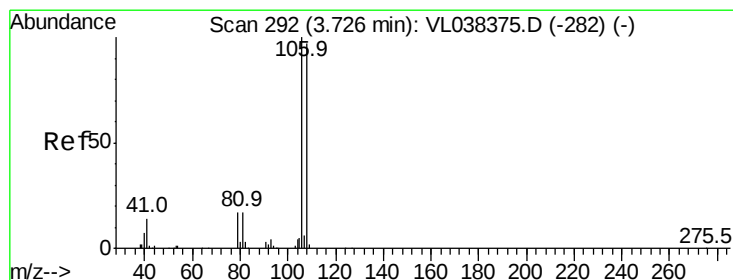
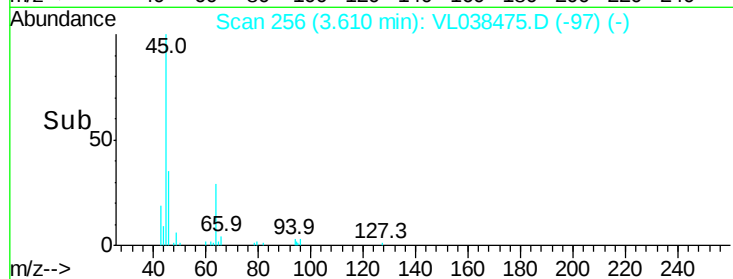
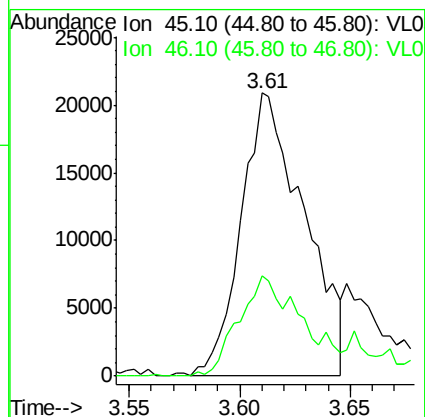
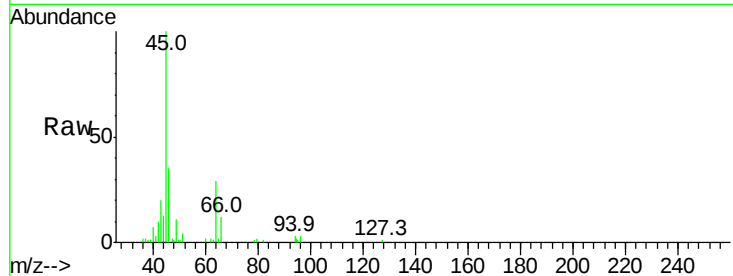
Tgt Ion:101 Resp: 993319
 Ion Ratio Lower Upper
 101 100
 151 72.1 55.9 83.9





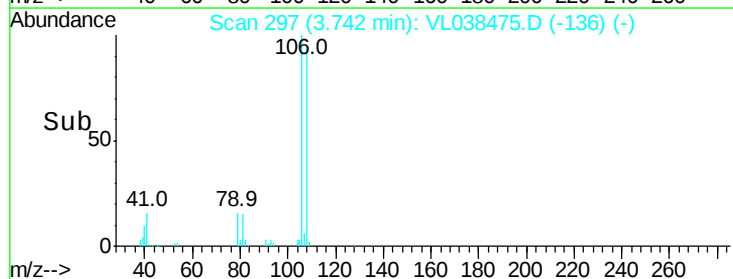
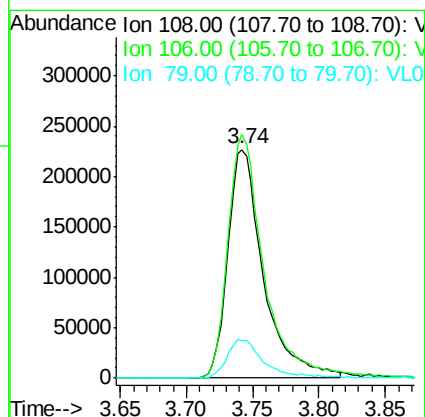
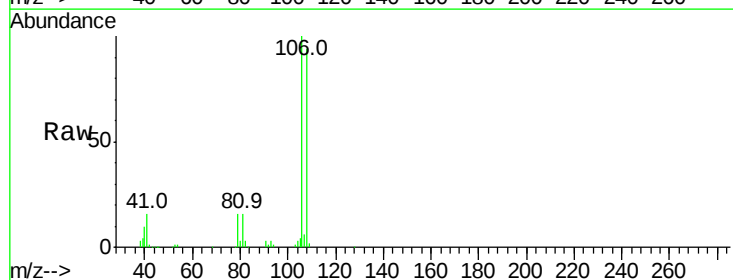
#13
Ethanol
Concen: 7.50 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 9:41

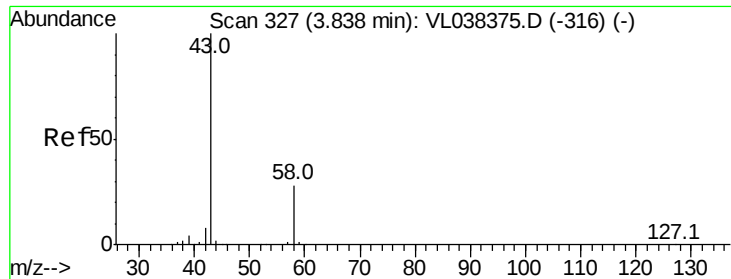
Tgt Ion: 45 Resp: 41631
Ion Ratio Lower Upper
45 100
46 44.2 18.2 72.8



#14
Bromoethene
Concen: 10.04 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.02 min
Lab File: VL038475.D
Acq: 2 Mar 2022 9:41

Tgt Ion: 108 Resp: 424153
Ion Ratio Lower Upper
108 100
106 109.1 88.4 132.6
79 17.7 15.0 22.6





#15

Acetone

Concen: 8.52 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

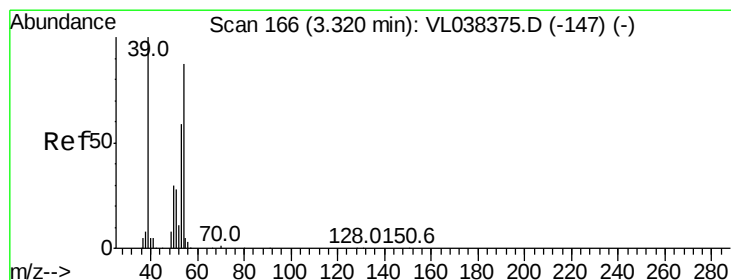
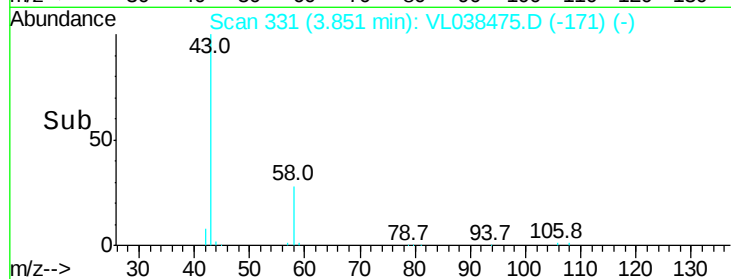
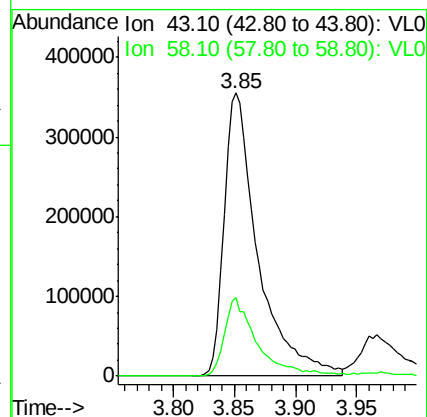
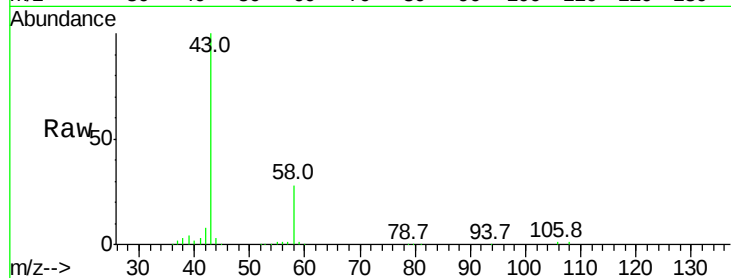
Acq: 2 Mar 2022 9:41 VSTDCCC010

Tgt Ion: 43 Resp: 691424

Ion Ratio Lower Upper

43 100

58 27.3 21.7 32.5



#16

1,3-Butadiene

Concen: 9.97 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL038475.D

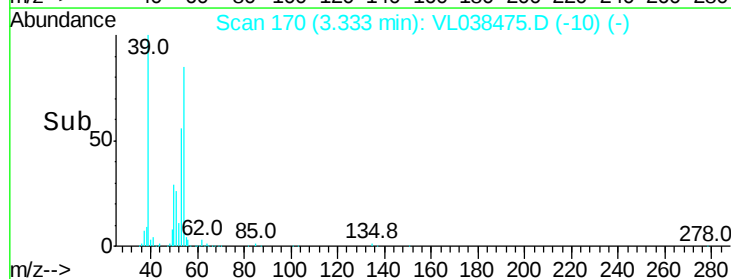
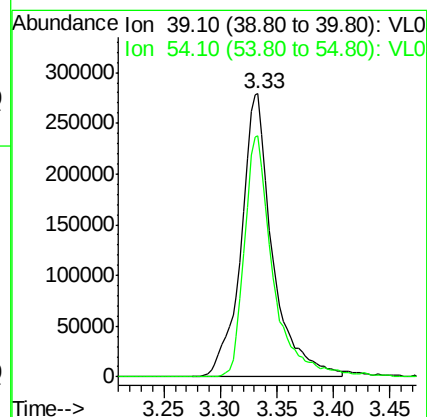
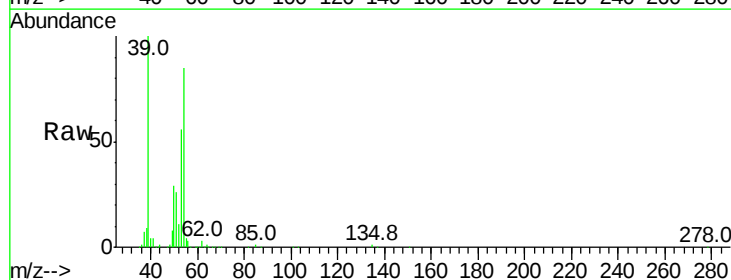
Acq: 2 Mar 2022 9:41

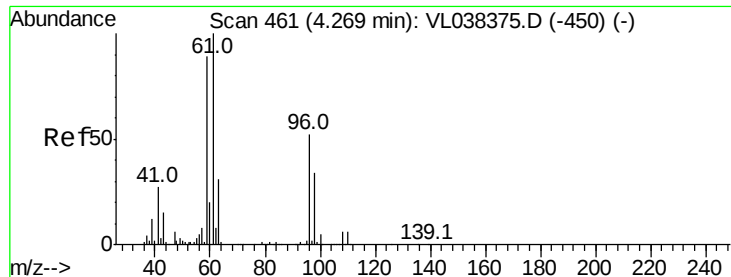
Tgt Ion: 39 Resp: 540404

Ion Ratio Lower Upper

39 100

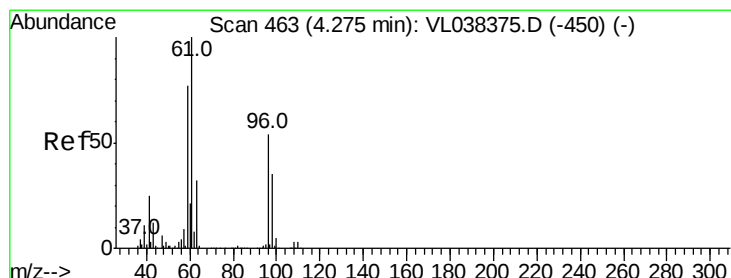
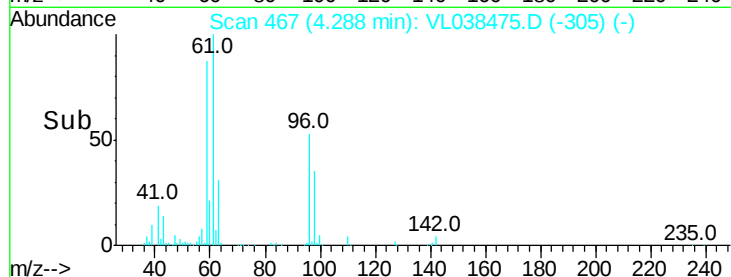
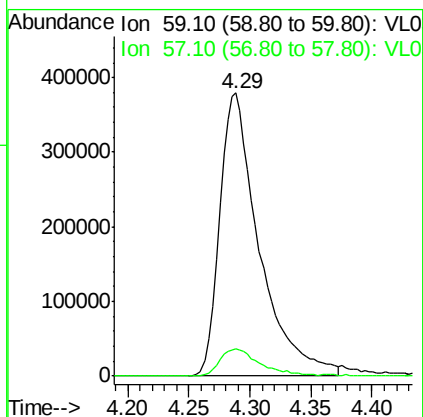
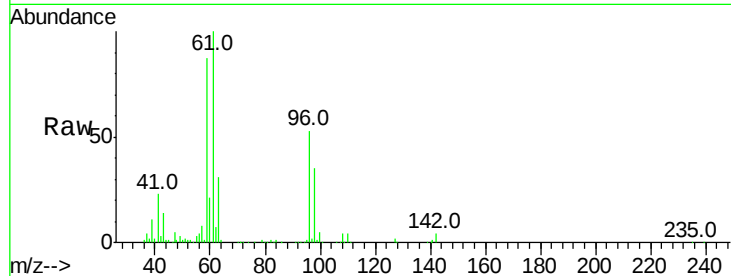
54 78.6 60.3 90.5





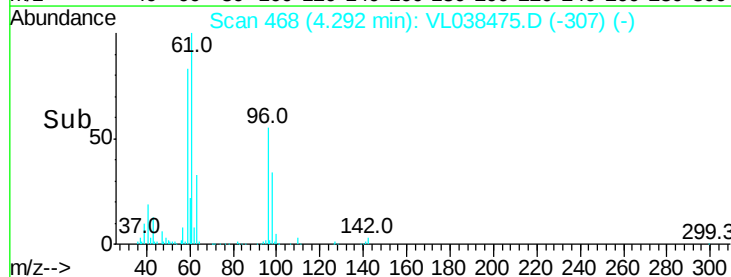
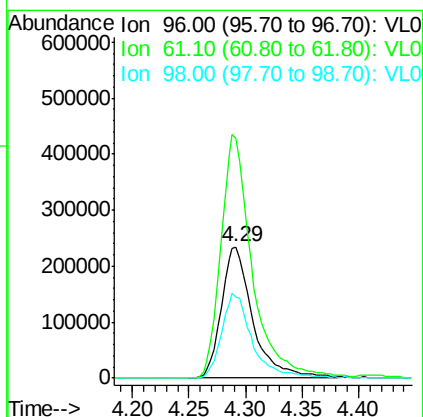
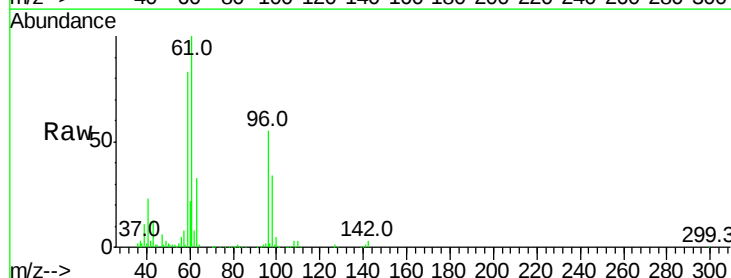
#17
 tert-Butyl alcohol
 Concen: 10.61 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

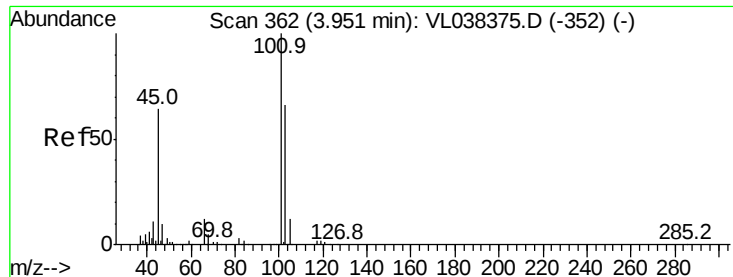
Tgt Ion: 59 Resp: 858993
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 9.76 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion: 96 Resp: 454443
 Ion Ratio Lower Upper
 96 100
 61 181.6 146.8 220.2
 98 61.8 51.5 77.3





#19

Isopropyl Alcohol

Concen: 9.52 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

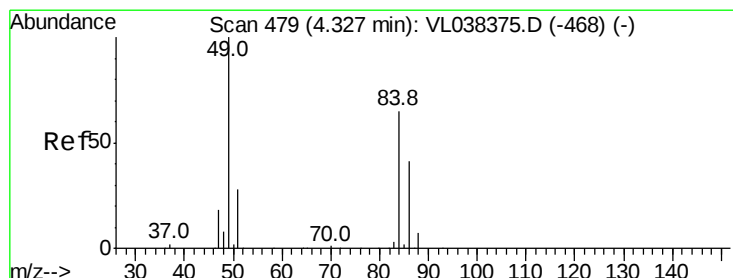
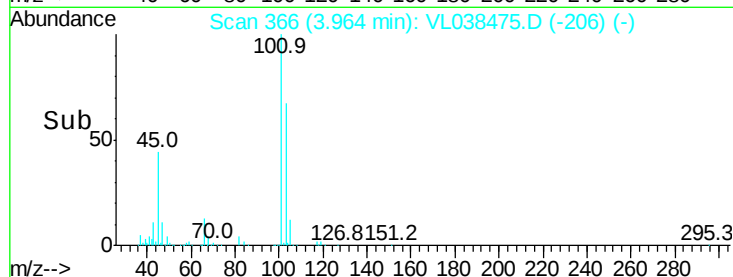
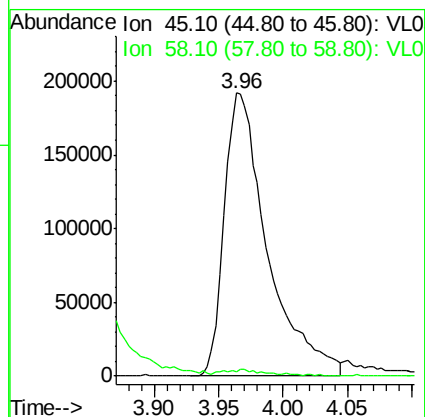
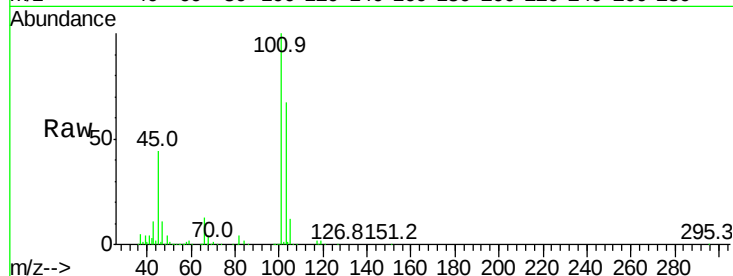
Acq: 2 Mar 2022 9:41 VSTDCCC010

Tgt Ion: 45 Resp: 447183

Ion Ratio Lower Upper

45 100

58 2.3 1.8 2.8



#20

Methylene Chloride

Concen: 8.78 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

Tgt Ion: 84 Resp: 352996

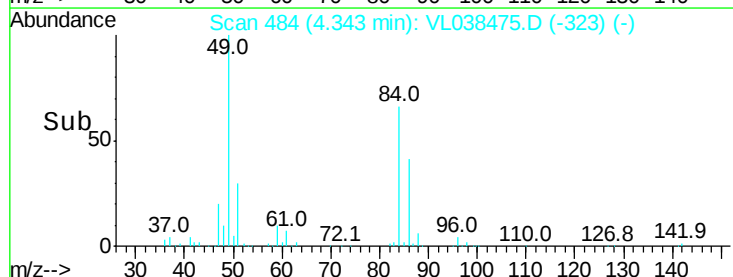
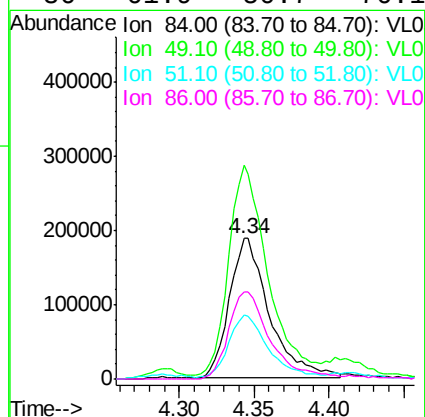
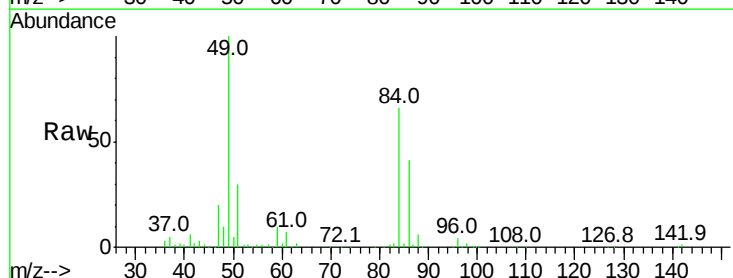
Ion Ratio Lower Upper

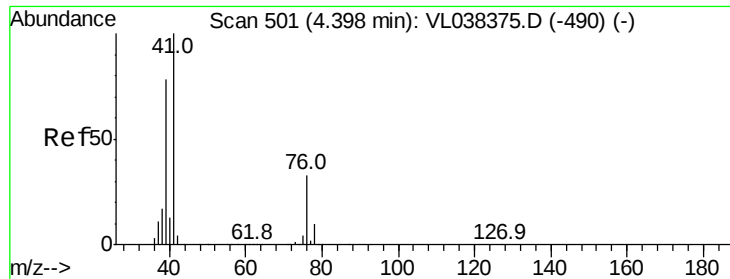
84 100

49 150.2 122.4 183.6

51 43.8 33.3 49.9

86 61.9 50.7 76.1





#21

Allyl Chloride

Concen: 9.76 ppbv

RT: 4.41

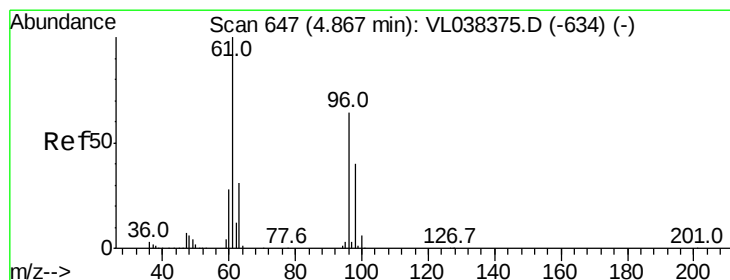
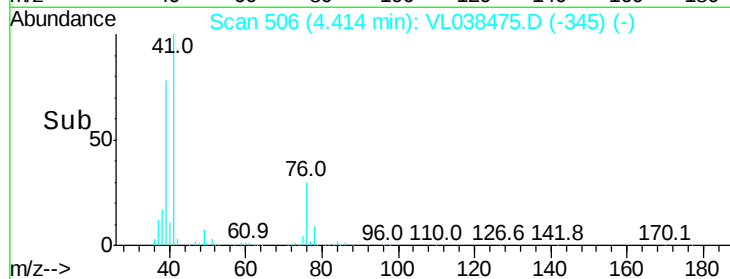
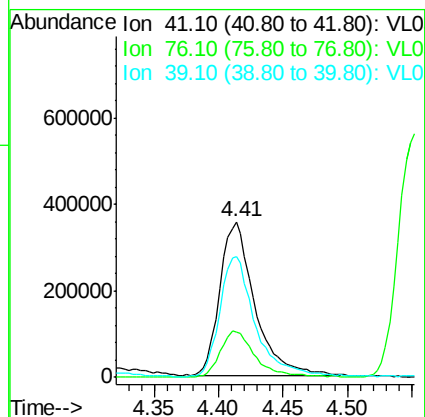
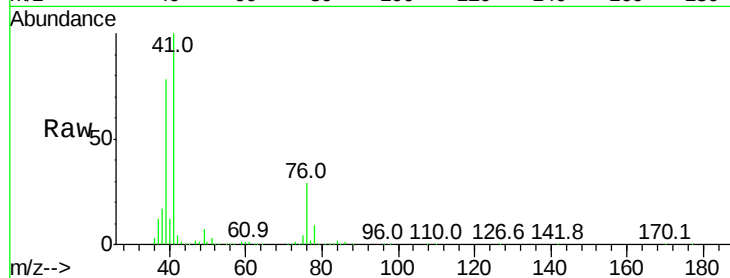
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 9:41

Tgt Ion: 41 Resp: 668543

Ion	Ratio	Lower	Upper
41	100		
76	30.7	25.4	38.0
39	79.6	63.0	94.6



#22

trans-1,2-Dichloroethene

Concen: 9.93 ppbv

RT: 4.88 min Scan# 652

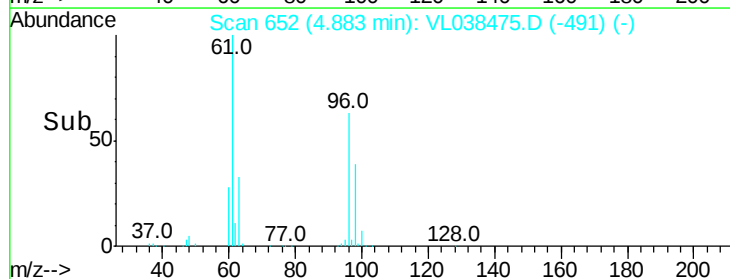
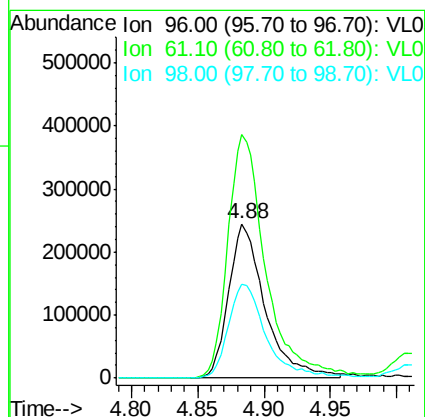
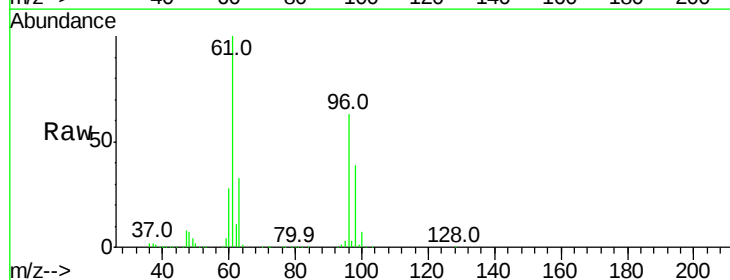
Delta R.T. 0.02 min

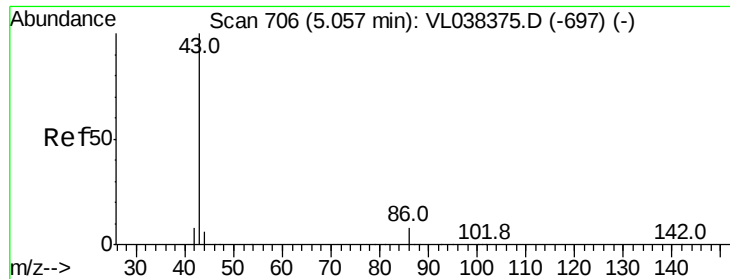
Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

Tgt Ion: 96 Resp: 466602

Ion	Ratio	Lower	Upper
96	100		
61	157.8	124.2	186.4
98	61.2	49.1	73.7

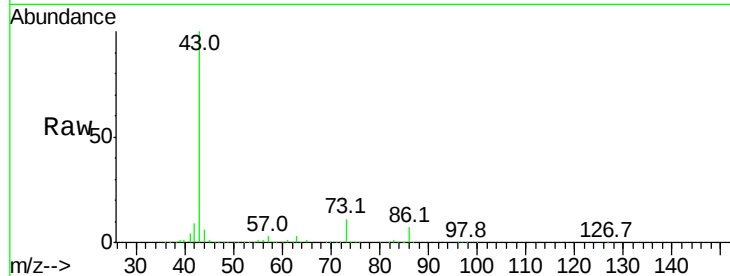




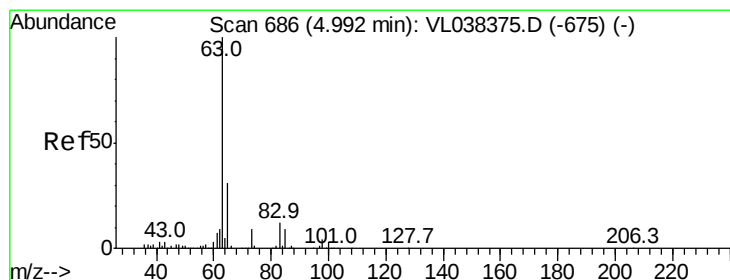
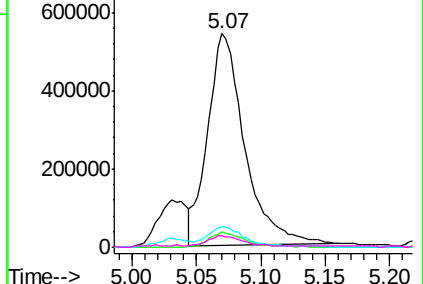
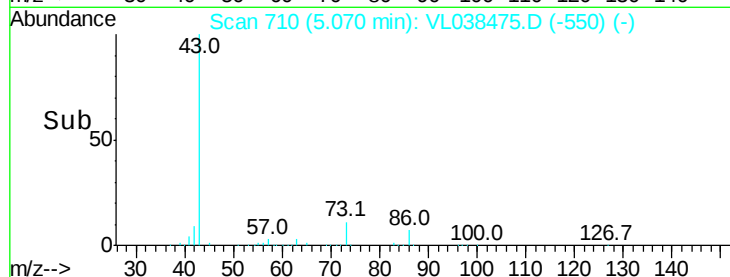
#23
 Vinyl Acetate
 Concen: 10.02 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

Tgt Ion: 43 Resp: 1076637

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.6
42	9.4	7.4	11.0
44	5.3	4.2	6.2



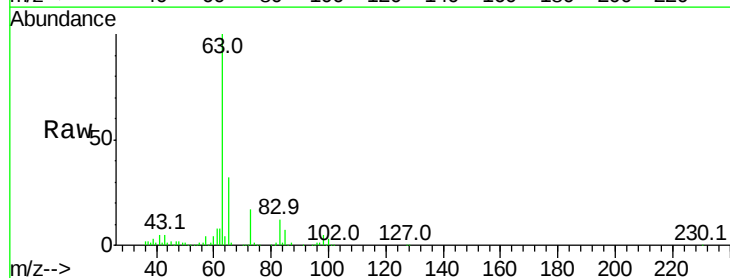
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



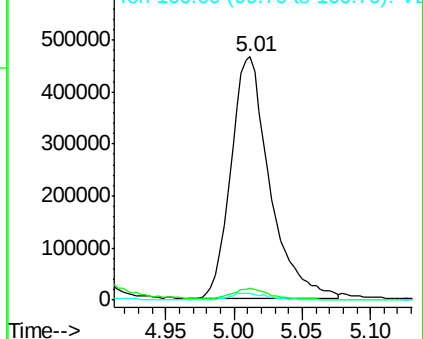
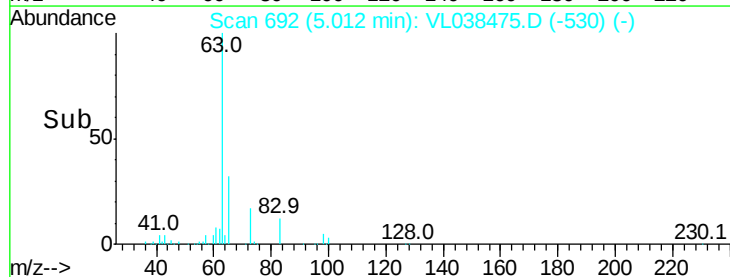
#24
 1,1-Dichloroethane
 Concen: 9.54 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

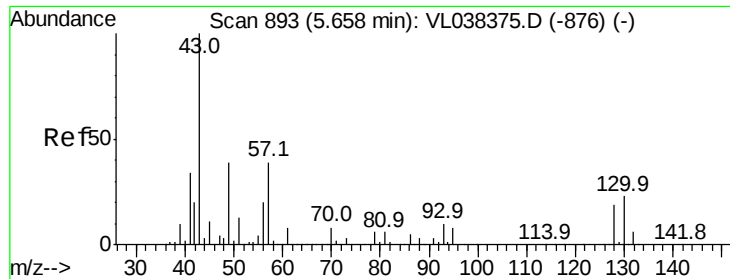
Tgt Ion: 63 Resp: 922131

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.7	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

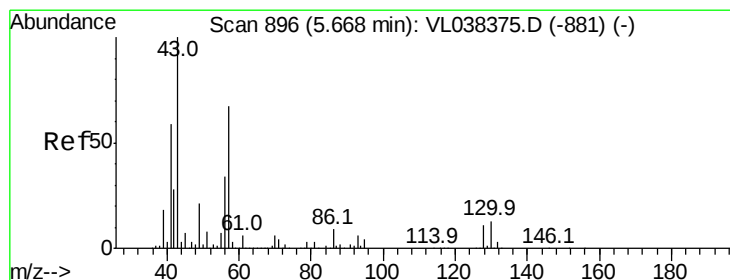
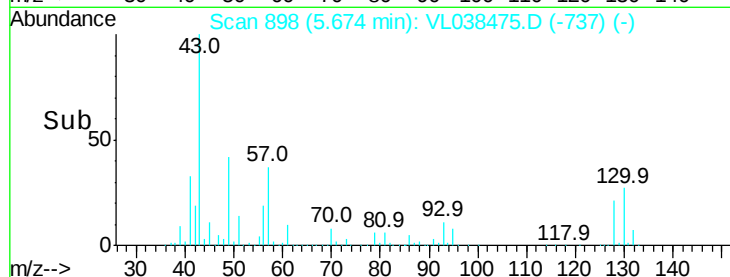
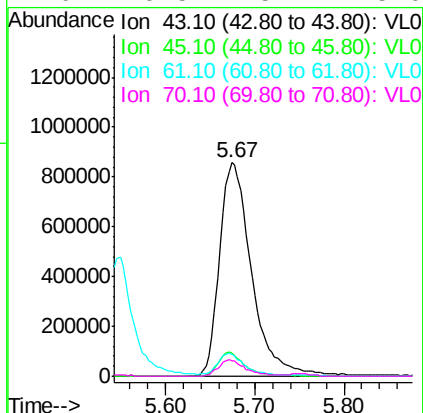
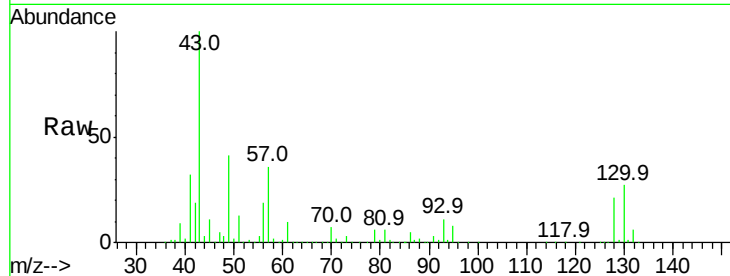




#25
Ethyl Acetate
Concen: 9.76 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 2 Mar 2022 9:41

Tgt Ion: 43 Resp: 2127963

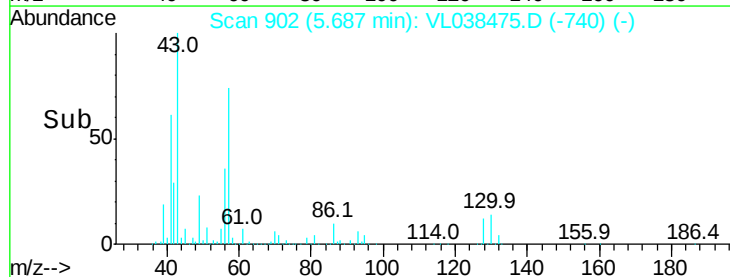
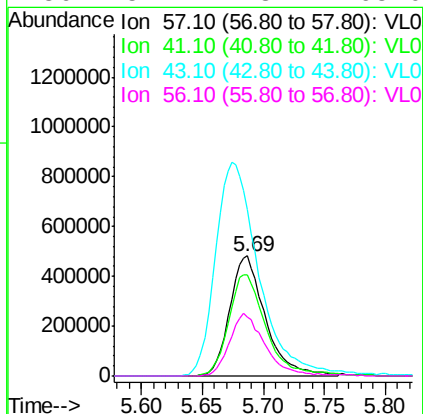
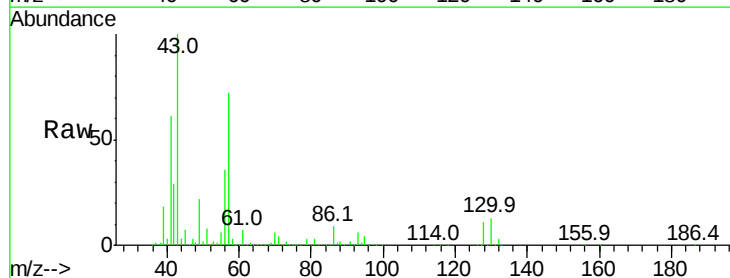
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	9.8	7.5	11.3
70	6.5	5.4	8.0

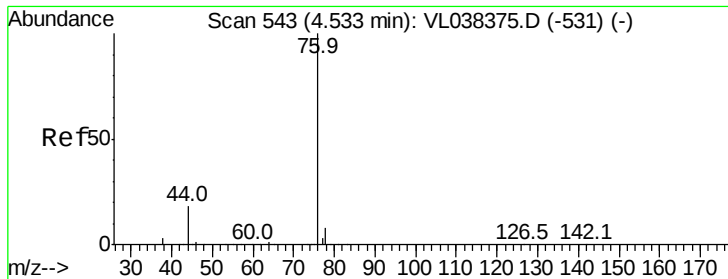


#26
Hexane
Concen: 9.94 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL038475.D
Acq: 2 Mar 2022 9:41

Tgt Ion: 57 Resp: 980658

Ion	Ratio	Lower	Upper
57	100		
41	88.9	73.1	109.7
43	219.1	181.0	271.4
56	52.7	43.4	65.0

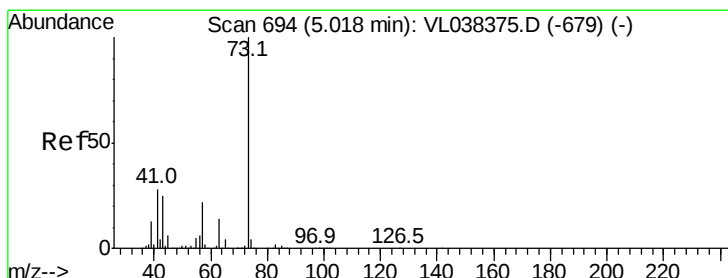
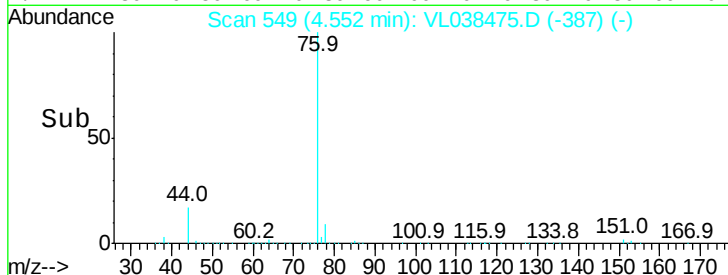
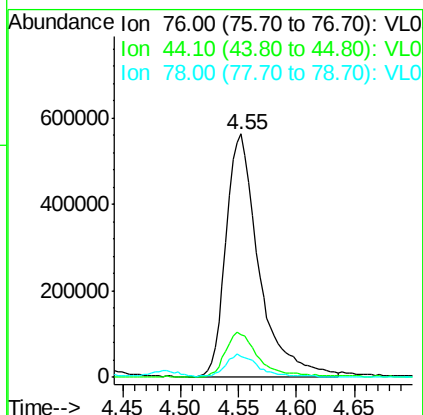
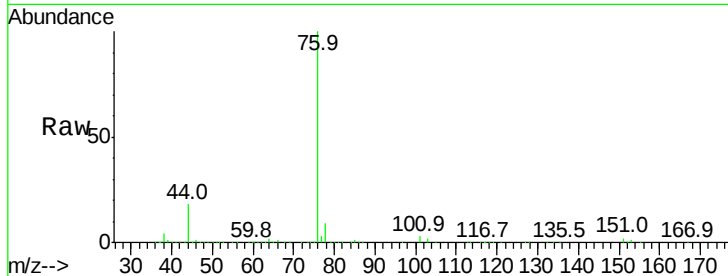




#27
Carbon Disulfide
Concen: 10.05 ppbv
RT: 4.55 Instrument: MSVOA_1
Delta R.T.: ClientSampleId:
Lab File: VSTDCCC010
Acq: 2 Mar 2022 9:41

Tgt Ion: 76 Resp: 1103737

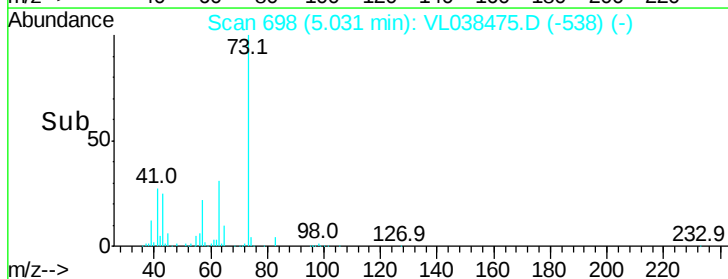
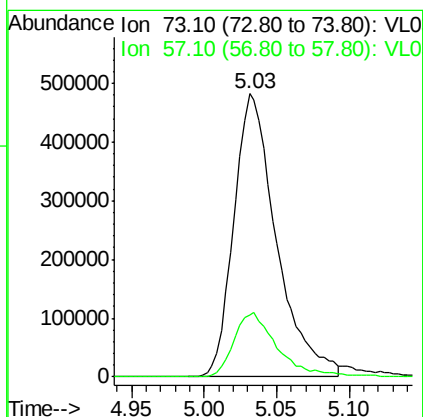
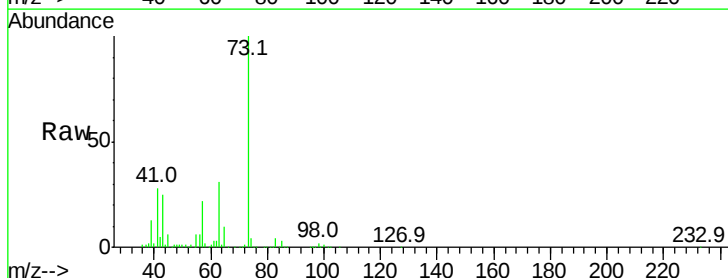
Ion	Ratio	Lower	Upper
76	100		
44	18.9	14.2	21.2
78	9.8	7.8	11.6

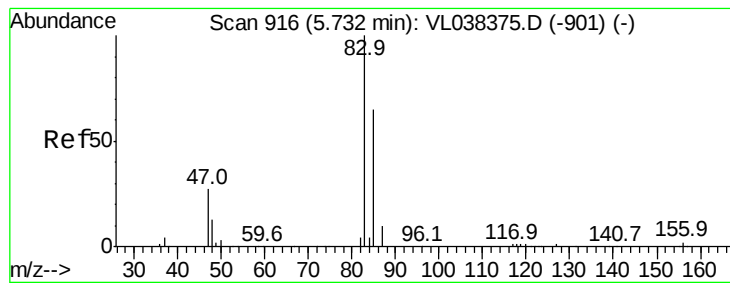


#28
Methyl tert-Butyl Ether
Concen: 9.80 ppbv
RT: 5.03 min Scan# 698
Delta R.T.: 0.01 min
Lab File: VL038475.D
Acq: 2 Mar 2022 9:41

Tgt Ion: 73 Resp: 985405

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.2	27.4





#29

Chloroform

Concen: 9.83 ppbv

RT: 5.75 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

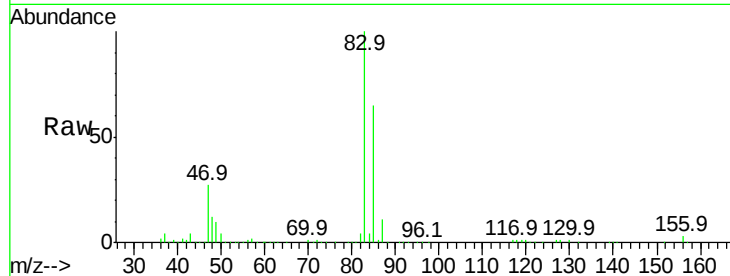
Acq: 2 Mar 2022 9:41

Tgt Ion: 83 Resp: 1583547

Ion Ratio Lower Upper

83 100

85 65.0 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

800000

600000

400000

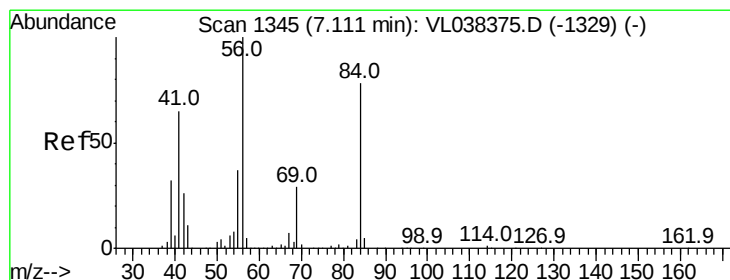
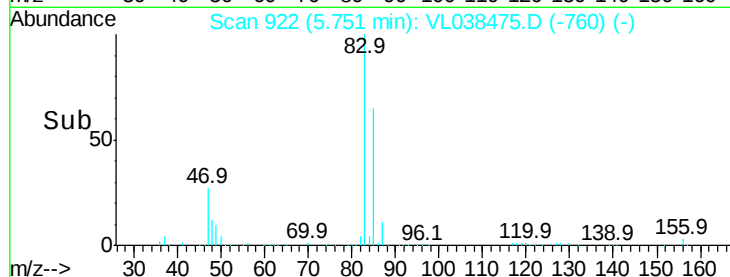
200000

0

5.70

5.80

Time-->



#30

Cyclohexane

Concen: 10.27 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

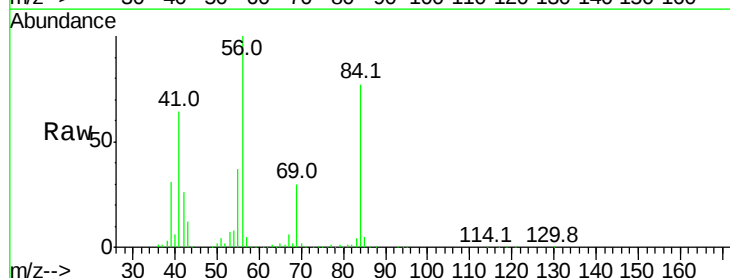
Tgt Ion: 84 Resp: 828657

Ion Ratio Lower Upper

84 100

56 142.6 116.2 174.4

41 87.7 74.3 111.5



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

600000

400000

200000

0

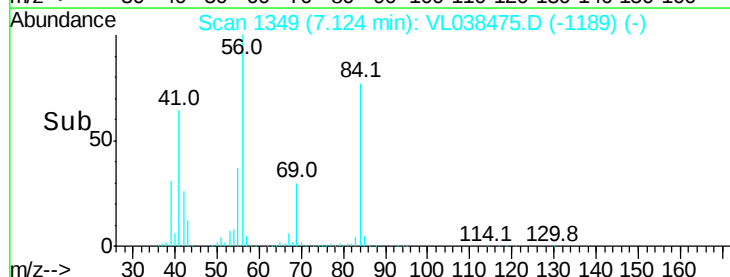
7.05

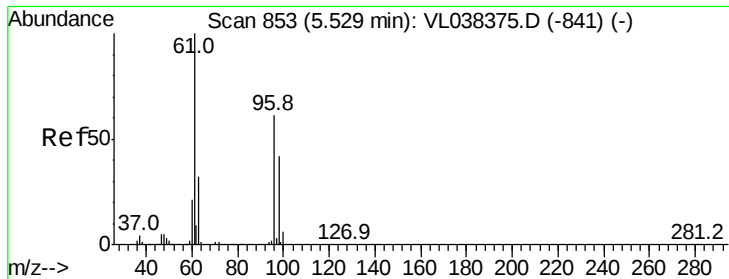
7.10

7.15

7.20

Time-->





#31

cis-1,2-Dichloroethene

Concen: 10.36 ppbv

RT: 5.55

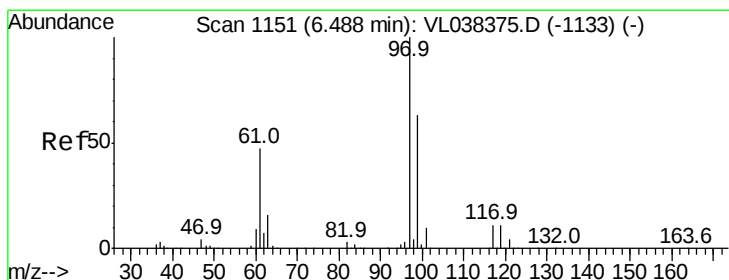
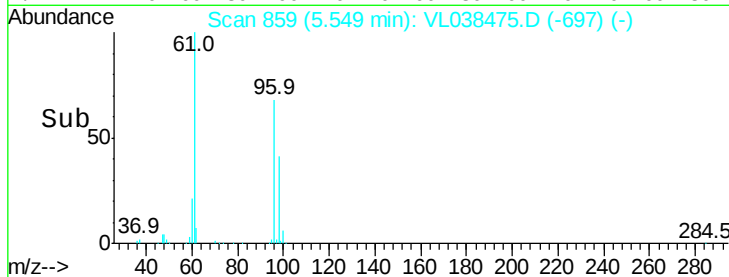
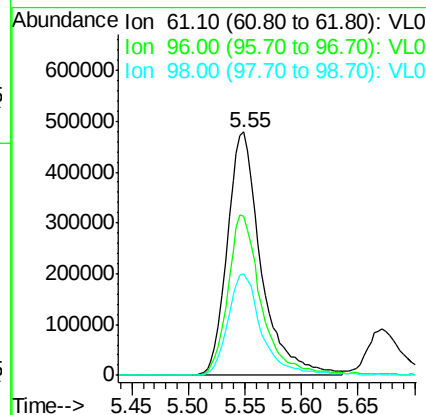
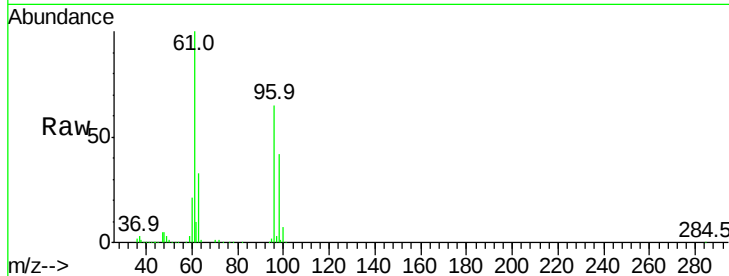
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 9:41

Tgt Ion: 61 Resp: 990968

Ion	Ratio	Lower	Upper
61	100		
96	65.4	48.6	73.0
98	41.7	33.2	49.8



#32

1,1,1-Trichloroethane

Concen: 9.73 ppbv

RT: 6.51 min Scan# 1157

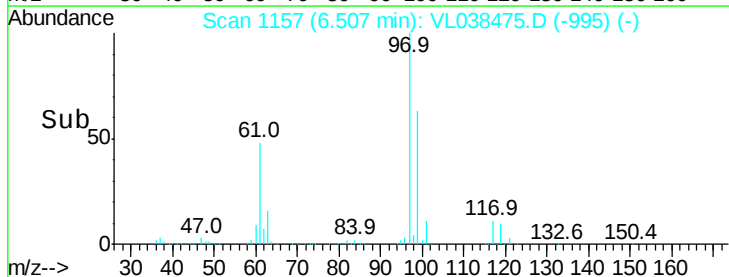
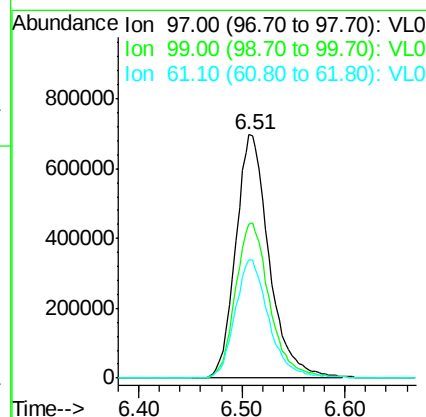
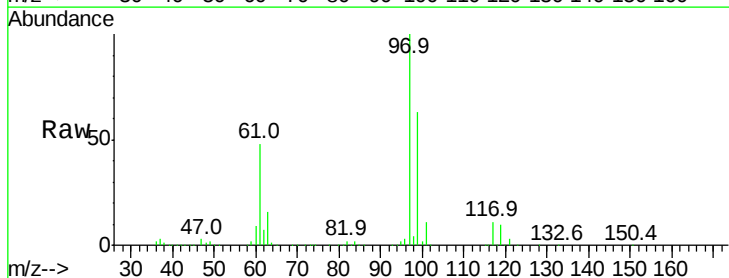
Delta R.T. 0.02 min

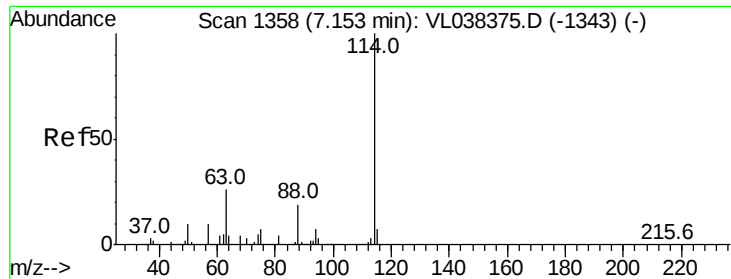
Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

Tgt Ion: 97 Resp: 1575920

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	49.0	40.5	60.7

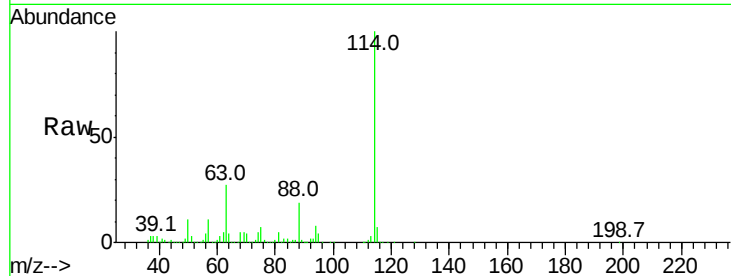




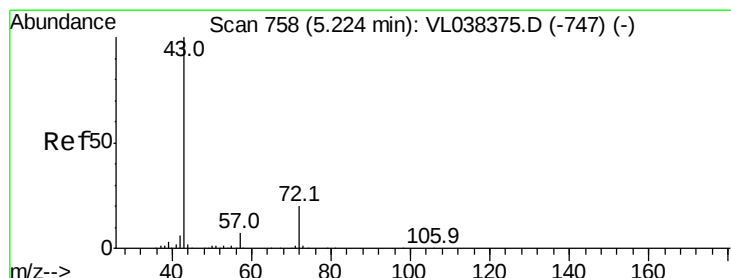
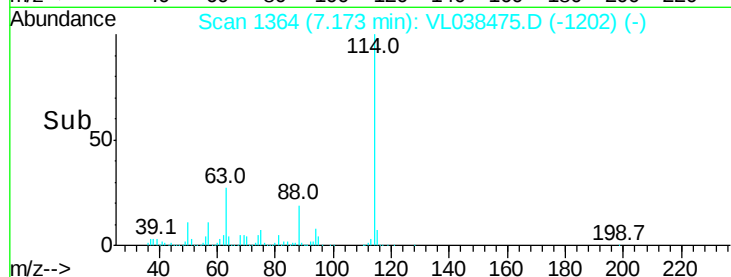
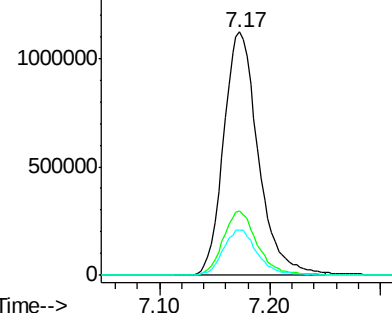
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

Tgt Ion: 114 Resp: 2441813

Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.2	33.2
88	18.6	15.2	22.8



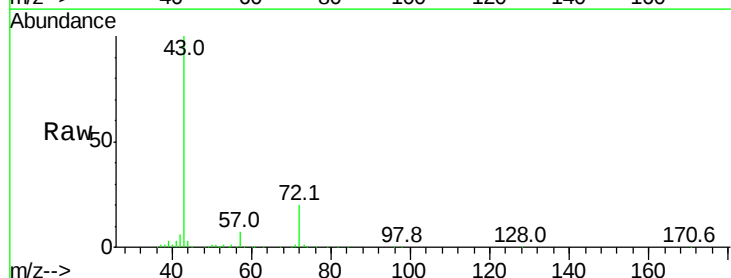
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



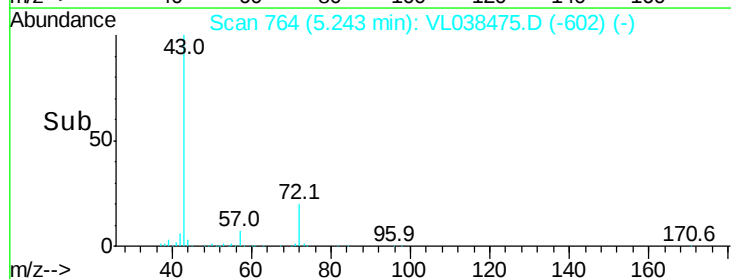
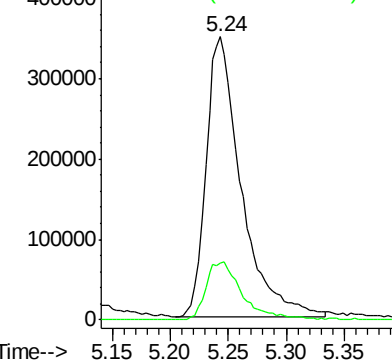
#34
 2-Butanone
 Concen: 9.63 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

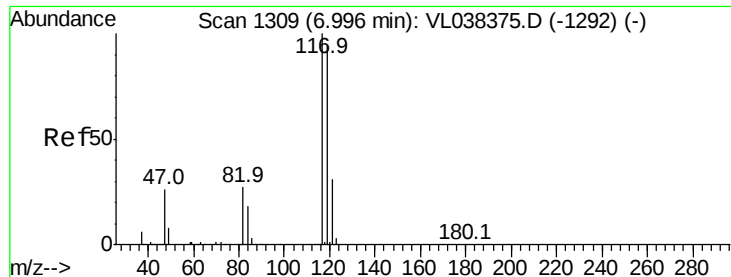
Tgt Ion: 43 Resp: 739305

Ion	Ratio	Lower	Upper
43	100		
72	22.0	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: 9.50 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 9:41

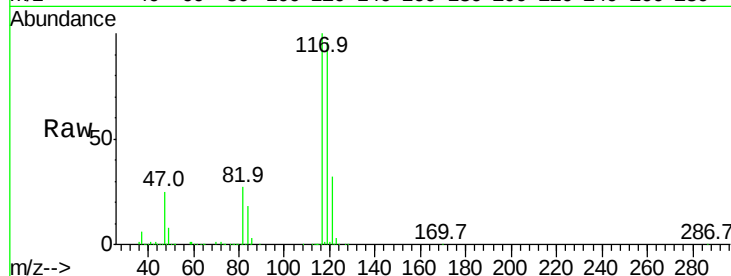
Tgt Ion: 117 Resp: 1630487

Ion Ratio Lower Upper

117 100

119 95.8 74.9 112.3

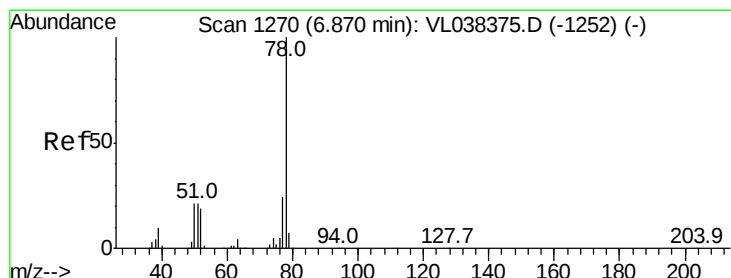
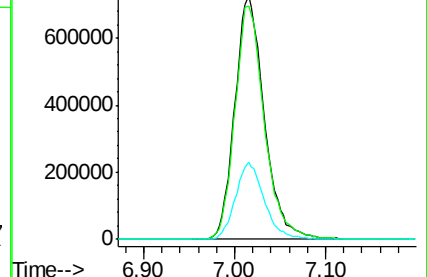
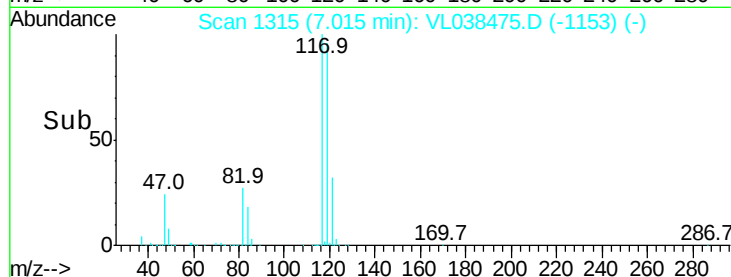
121 31.6 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.64 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

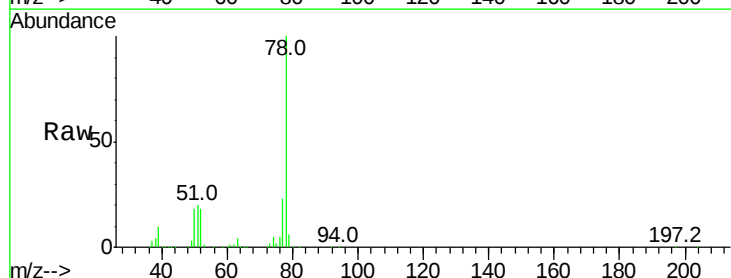
Tgt Ion: 78 Resp: 2071879

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.6

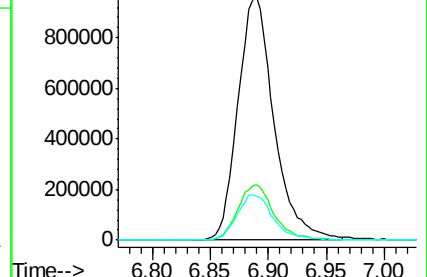
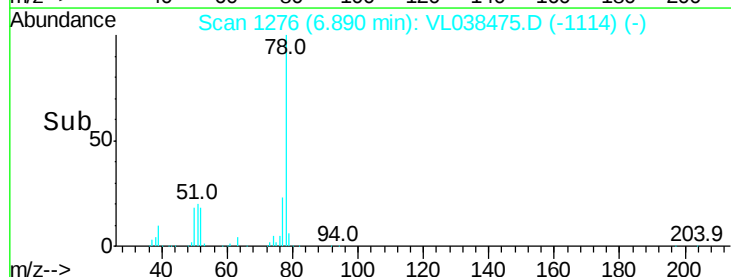
50 18.2 16.6 24.8

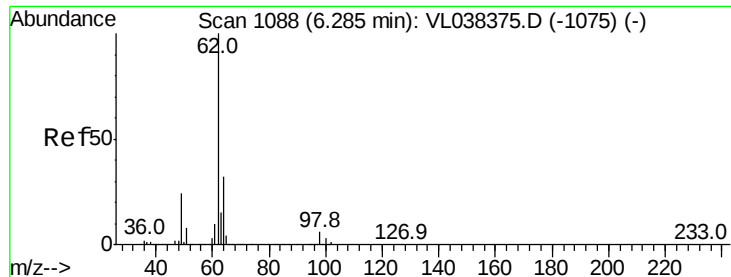


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

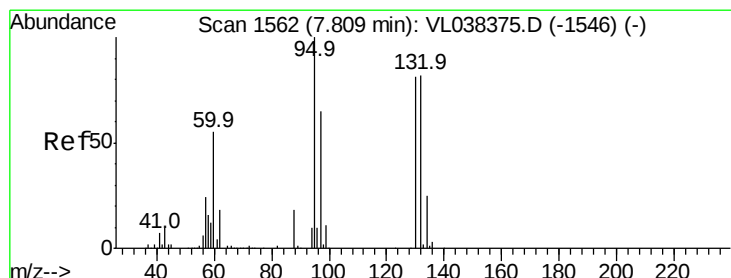
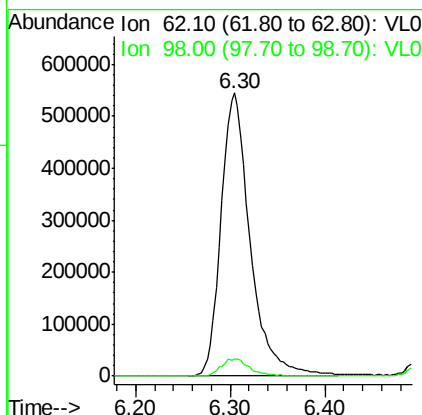
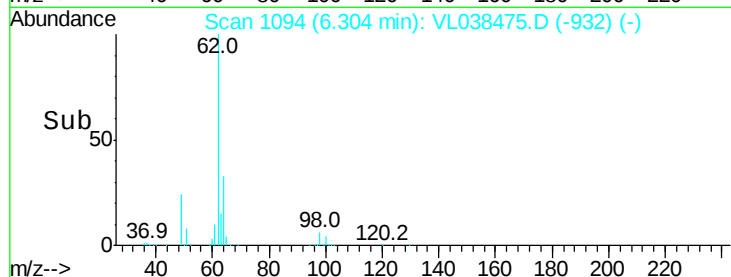
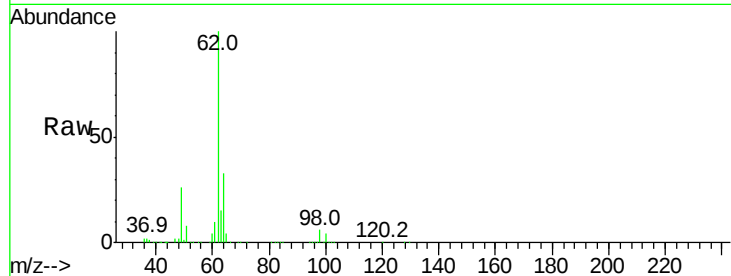
Ion 50.10 (49.80 to 50.80): VL0





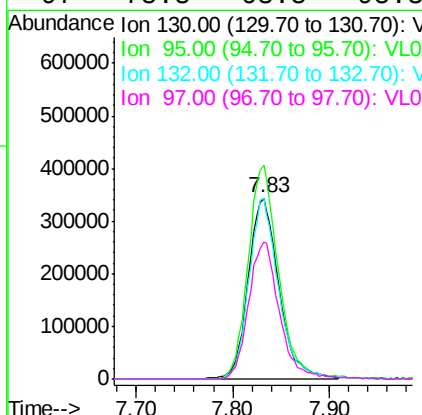
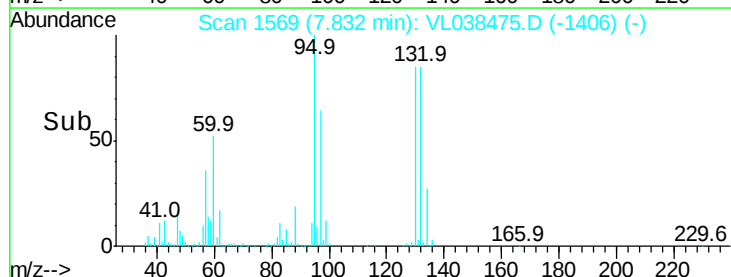
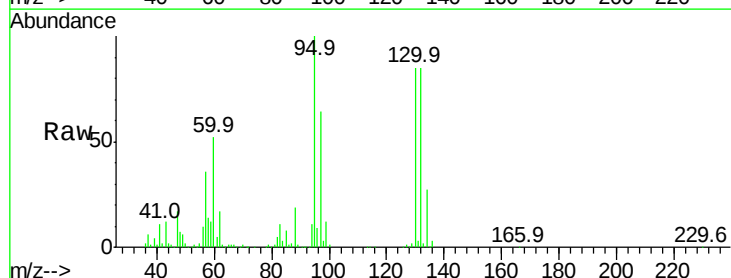
#37
 1,2-Dichloroethane
 Concen: 9.43 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

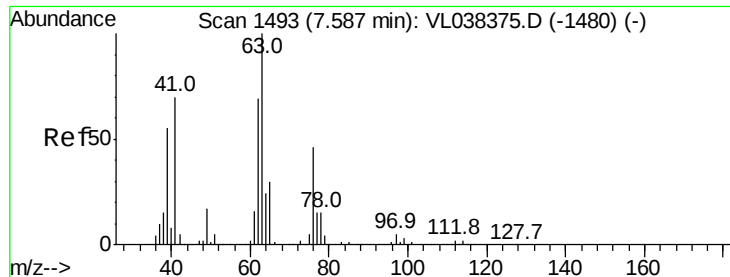
Tgt Ion: 62 Resp: 1171212
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.6 7.0



#38
 Trichloroethene
 Concen: 9.64 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

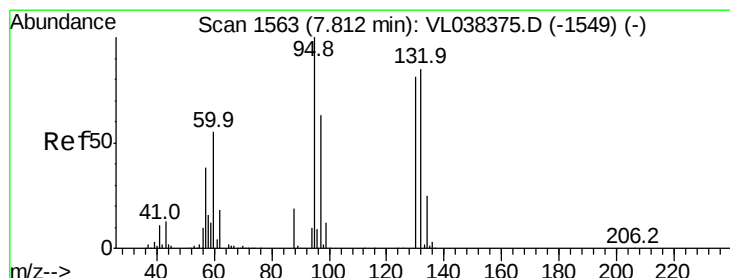
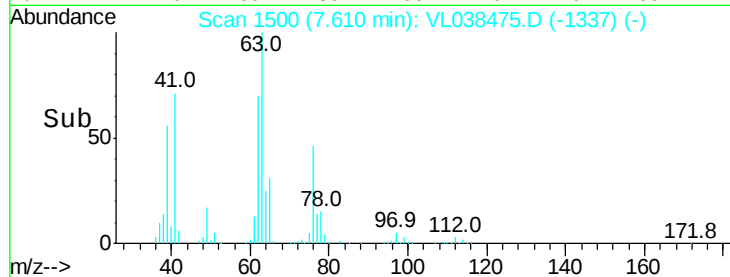
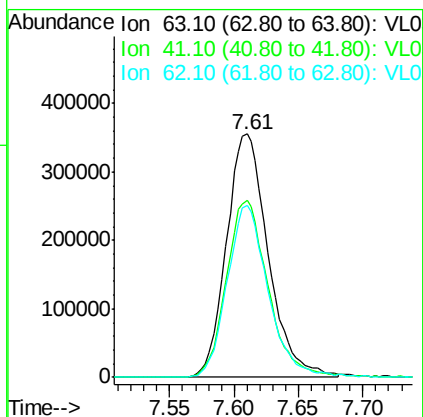
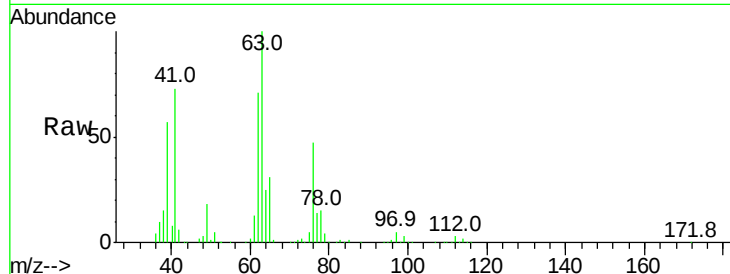
Tgt Ion: 130 Resp: 754926
 Ion Ratio Lower Upper
 130 100
 95 118.3 98.1 147.1
 132 100.3 80.3 120.5
 97 75.8 63.5 95.3





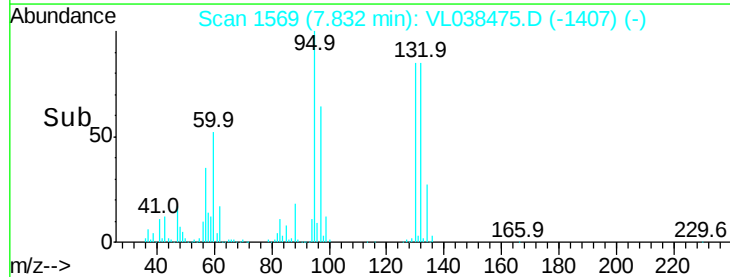
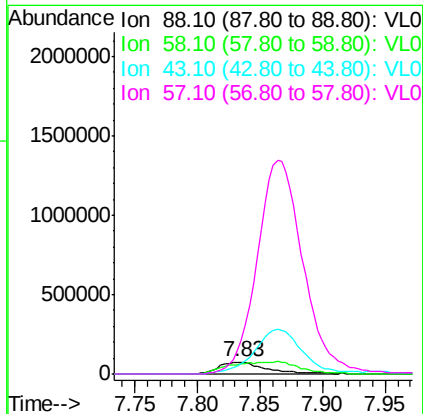
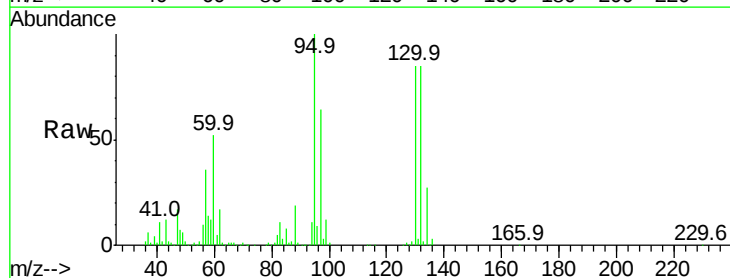
#39
 1,2-Dichloropropane
 Concen: 9.28 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 9:41

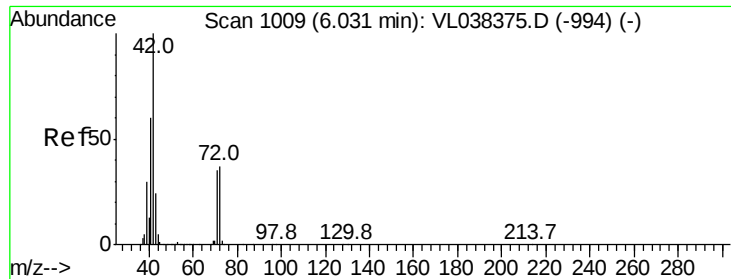
Tgt Ion	Ratio	Lower	Upper
63	100		
41	72.4	56.1	84.1
62	70.3	55.5	83.3



#40
 1,4-Dioxane
 Concen: 9.52 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

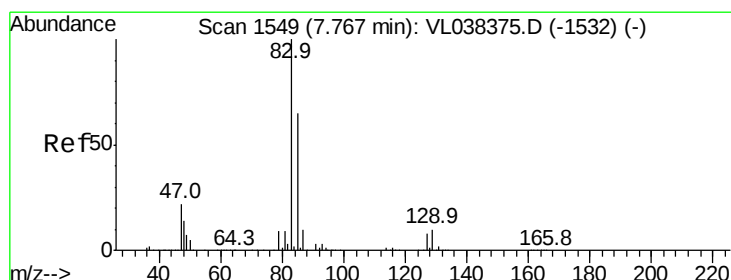
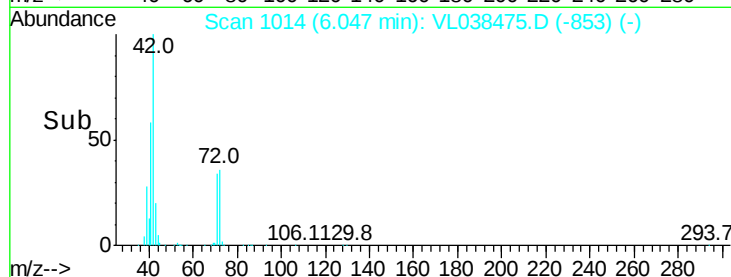
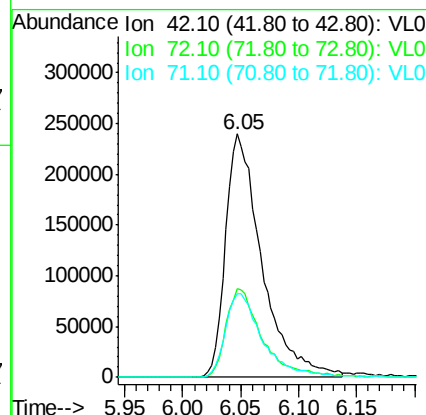
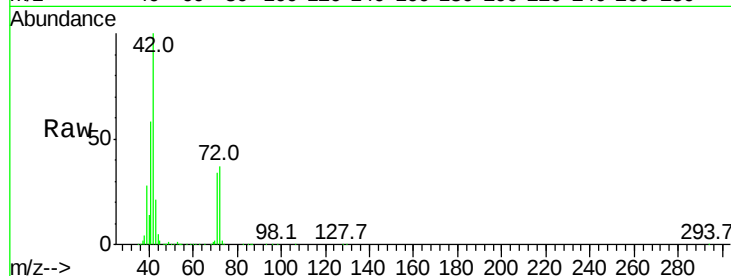
Tgt Ion	Ratio	Lower	Upper
88	100		
58	158.3	133.2	199.8
43	390.8	330.6	496.0
57	1791.1	1462.7	2194.1





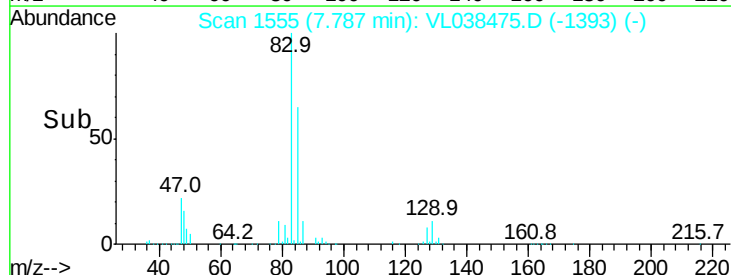
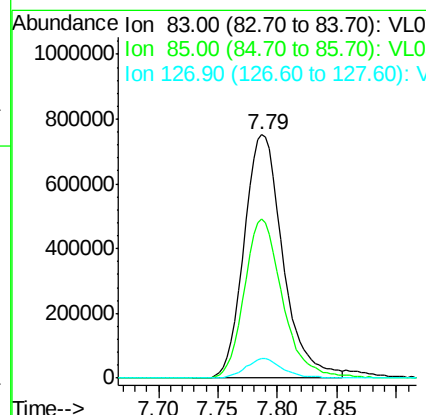
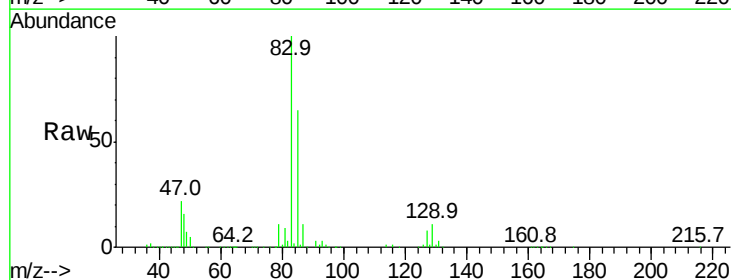
#41
Tetrahydrofuran
Concen: 10.01 ppbv
RT: 6.05
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 9:41

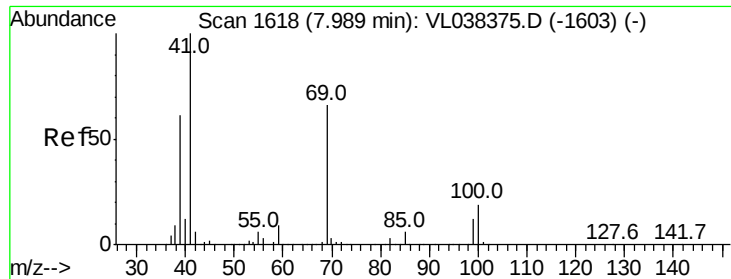
Tgt Ion: 42 Resp: 519297
Ion Ratio Lower Upper
42 100
72 37.0 29.9 44.9
71 35.9 28.6 42.8



#42
Bromodichloromethane
Concen: 9.47 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.02 min
Lab File: VL038475.D
Acq: 2 Mar 2022 9:41

Tgt Ion: 83 Resp: 1698216
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4
127 7.9 6.2 9.4





#43

Methyl Methacrylate

Concen: 10.19 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 9:41 VSTDCCC010

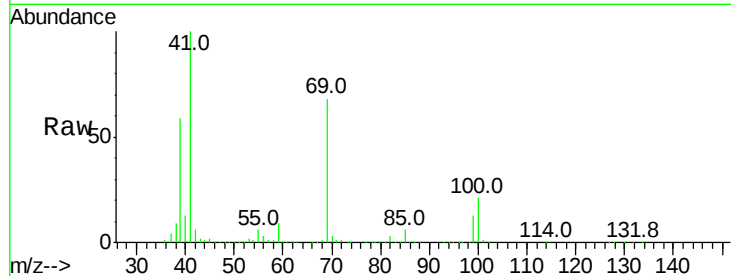
Tgt Ion: 69 Resp: 761408

Ion Ratio Lower Upper

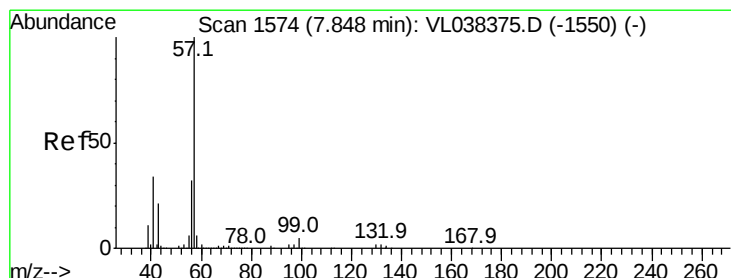
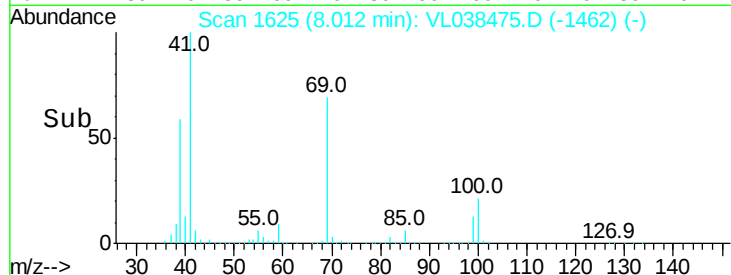
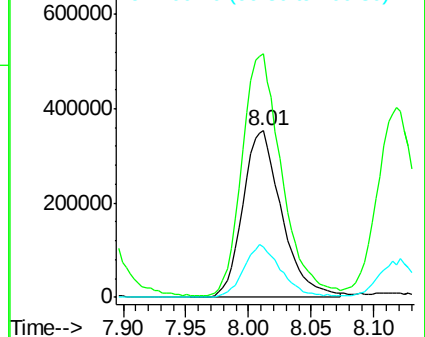
69 100

41 150.7 122.9 184.3

100 30.5 23.6 35.4



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.35 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

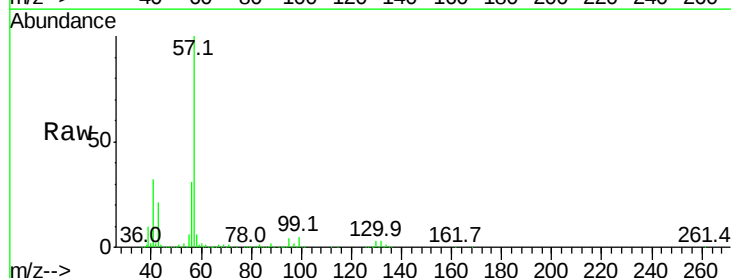
Tgt Ion: 57 Resp: 3454220

Ion Ratio Lower Upper

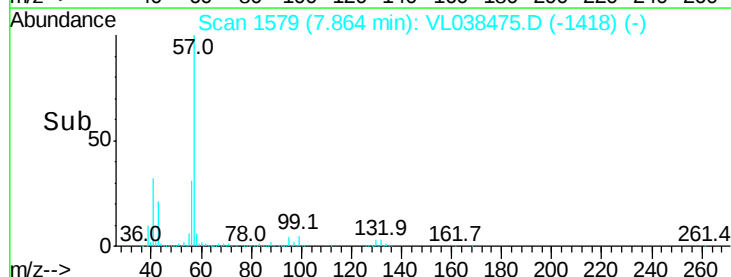
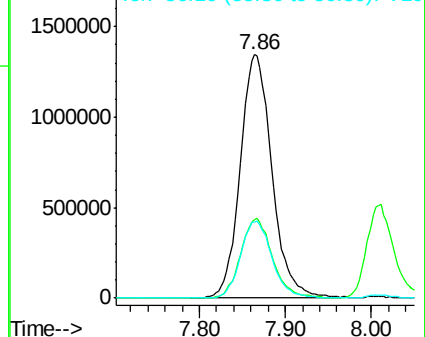
57 100

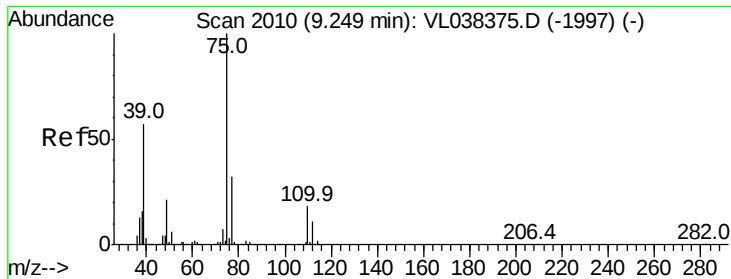
41 32.7 26.6 39.8

56 31.5 25.0 37.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 10.65 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

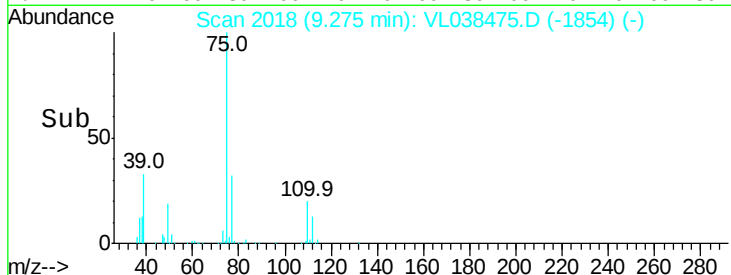
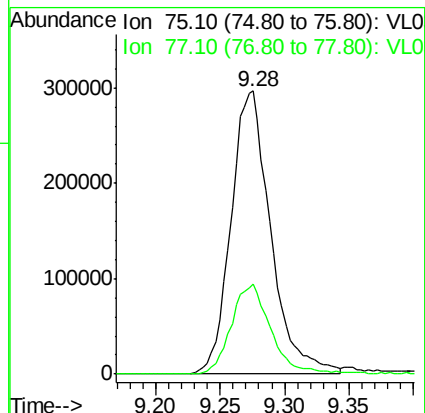
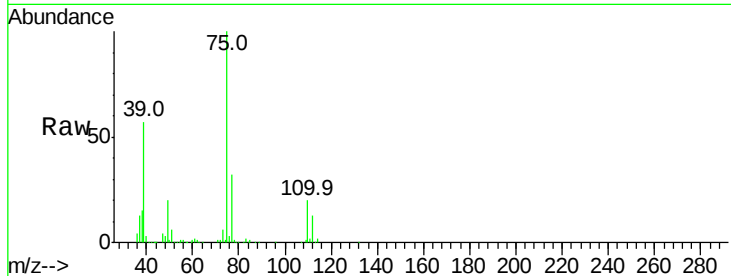
Acq: 2 Mar 2022 9:41 VSTDCCC010

Tgt Ion: 75 Resp: 635941

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 10.25 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

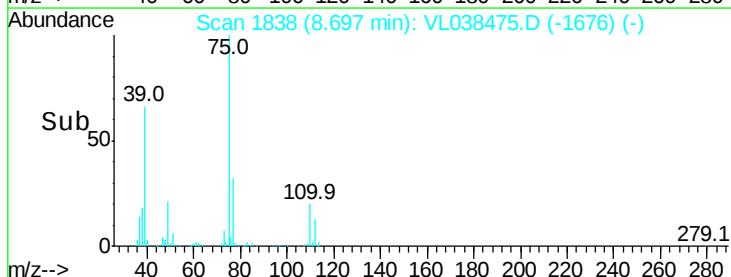
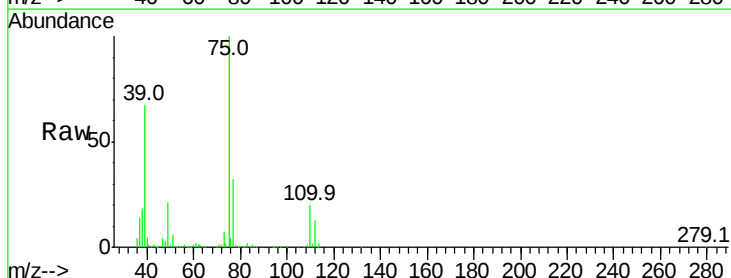
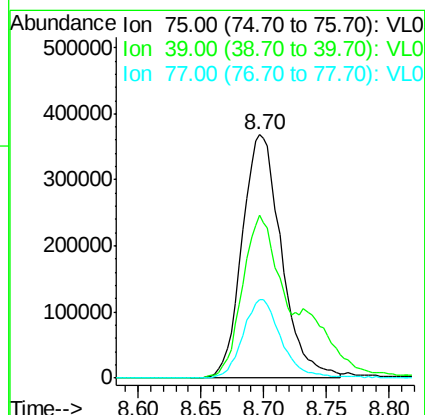
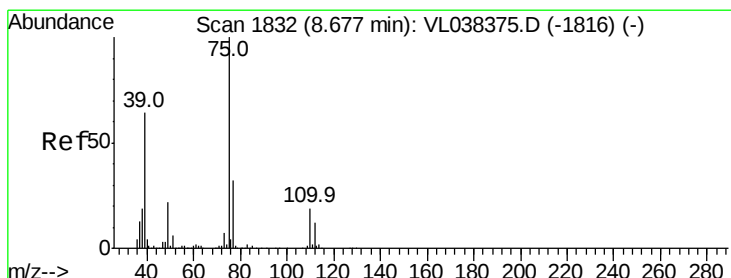
Tgt Ion: 75 Resp: 802210

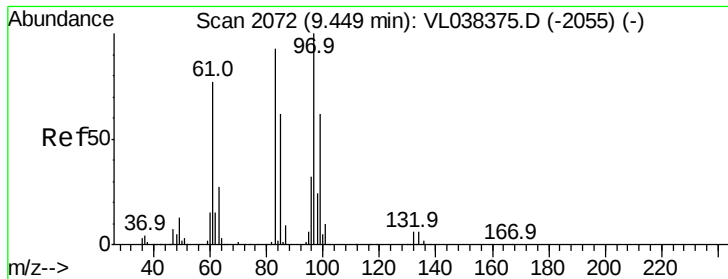
Ion Ratio Lower Upper

75 100

39 67.0 51.4 77.2

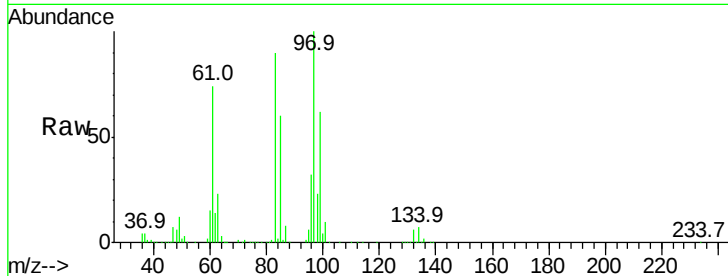
77 32.2 25.4 38.2



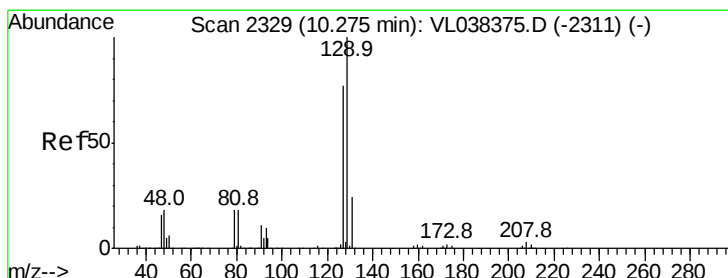
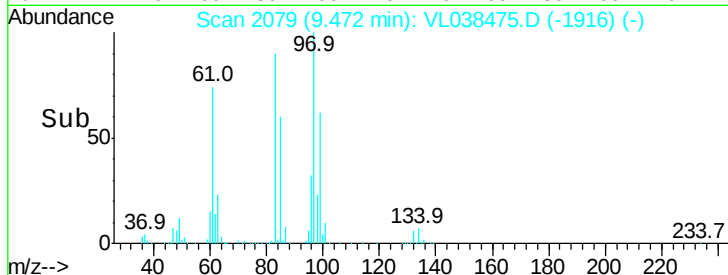
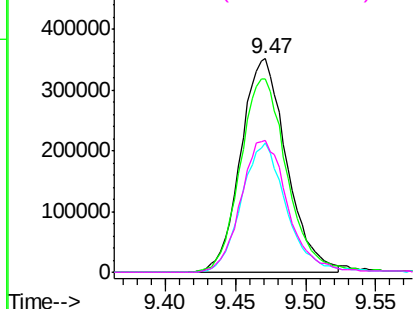


#47
 1,1,2-Trichloroethane
 Concen: 9.37 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

Tgt Ion: 97 Resp: 798455
 Ion Ratio Lower Upper
 97 100
 83 90.2 74.2 111.4
 85 60.3 49.8 74.8
 99 61.7 49.5 74.3

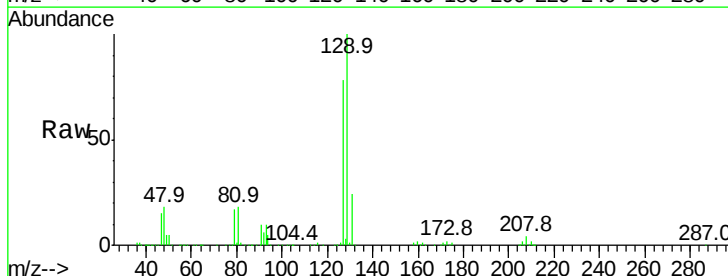


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

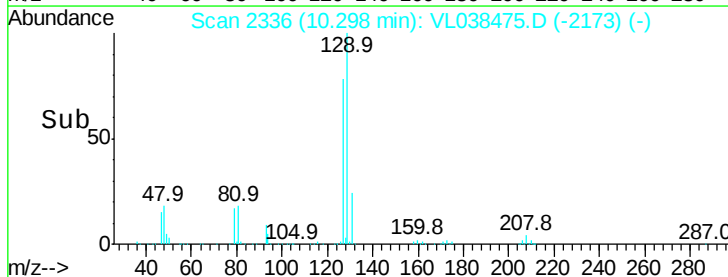
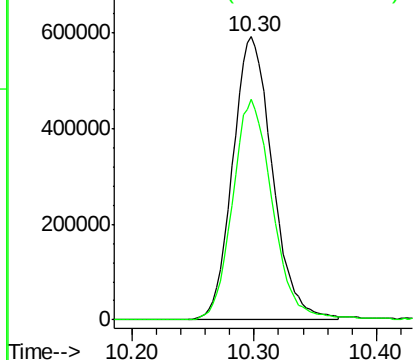


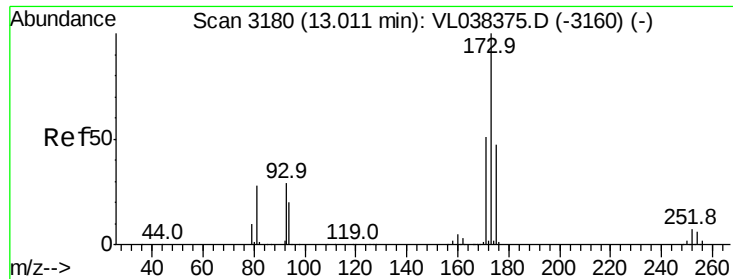
#48
 Dibromochloromethane
 Concen: 9.58 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion: 129 Resp: 1334793
 Ion Ratio Lower Upper
 129 100
 127 79.0 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: 8.59 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 9:41

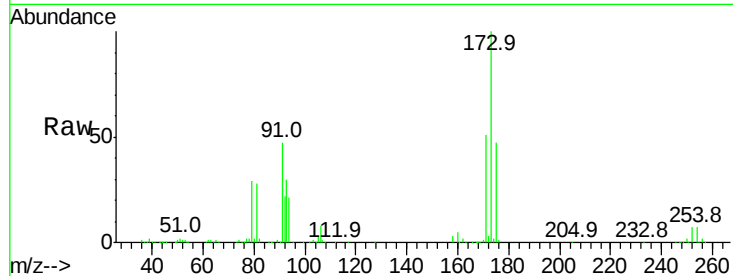
Tgt Ion: 173 Resp: 883254

Ion Ratio Lower Upper

173 100

175 50.2 40.2 60.2

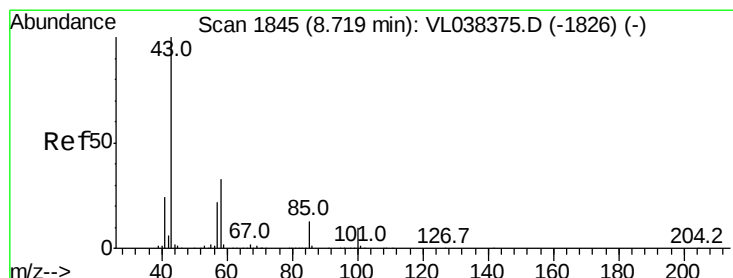
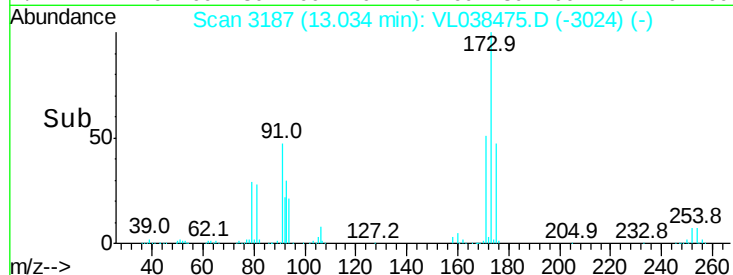
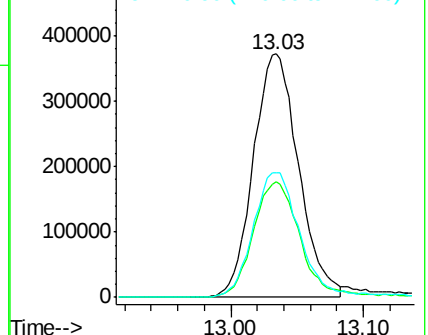
171 54.5 42.7 64.1



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: 9.99 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL038475.D

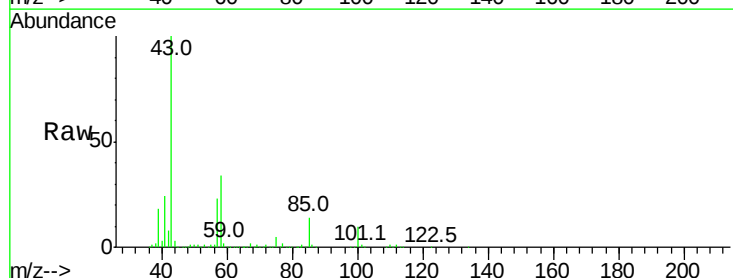
Acq: 2 Mar 2022 9:41

Tgt Ion: 43 Resp: 1356309

Ion Ratio Lower Upper

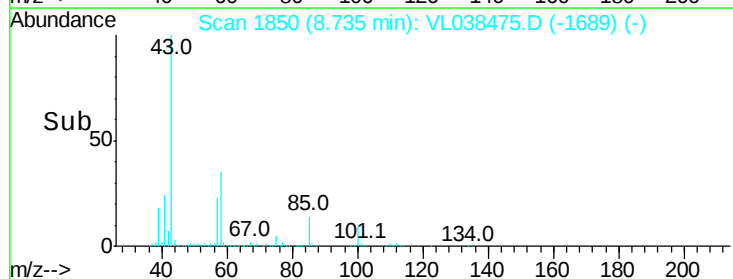
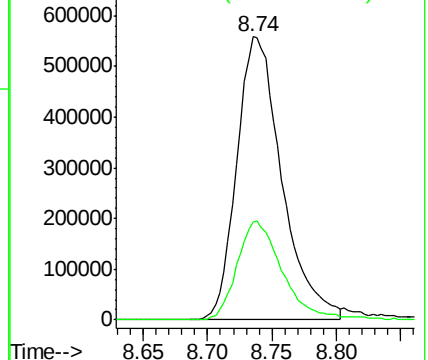
43 100

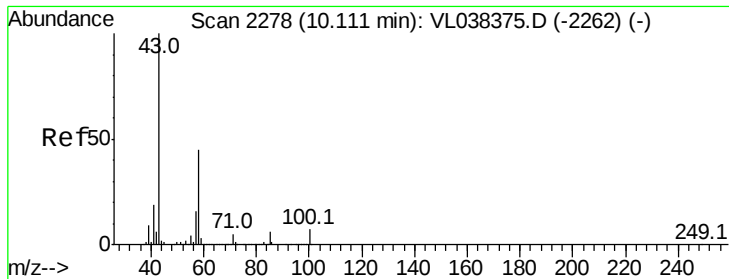
58 35.6 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.75 ppbv

RT: 10.13

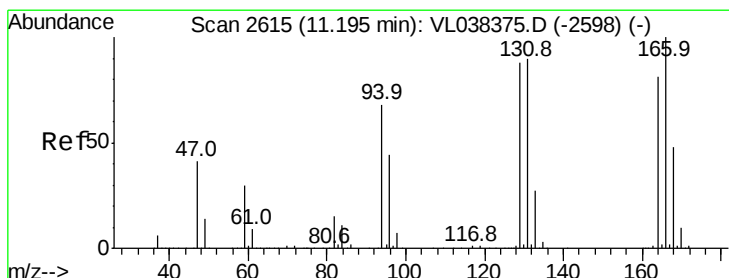
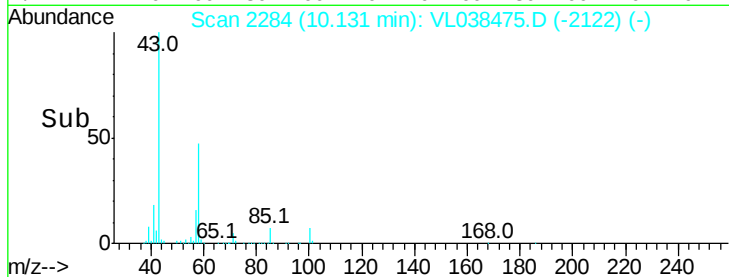
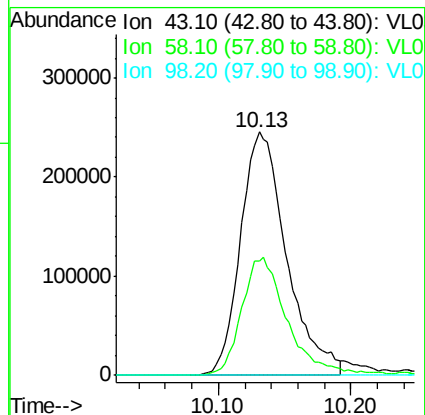
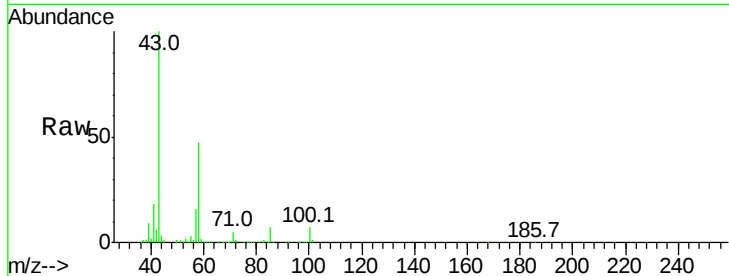
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 9:41

Tgt Ion: 43 Resp: 592486

Ion	Ratio	Lower	Upper
43	100		
58	49.3	37.4	56.0
98	0.3	0.1	0.1#



#52

Tetrachloroethene

Concen: 9.14 ppbv

RT: 11.22 min Scan# 2623

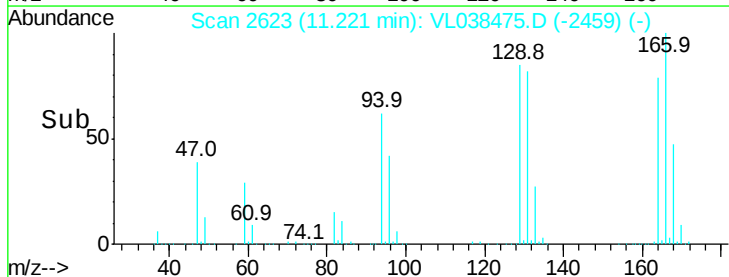
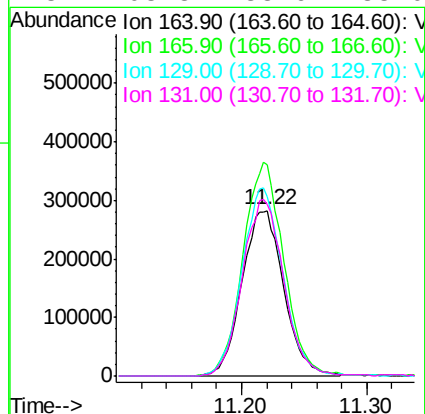
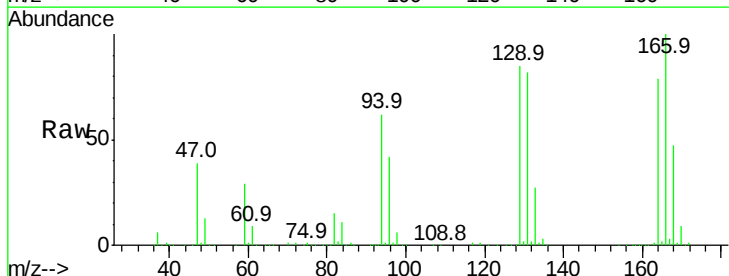
Delta R.T. 0.03 min

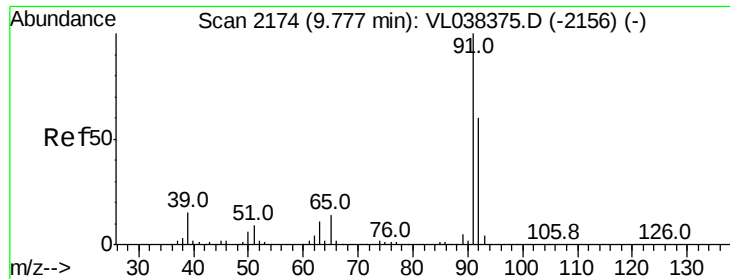
Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

Tgt Ion: 164 Resp: 652549

Ion	Ratio	Lower	Upper
164	100		
166	127.2	98.6	148.0
129	108.1	86.9	130.3
131	103.8	88.6	133.0





#53

Toluene

Concen: 9.70 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

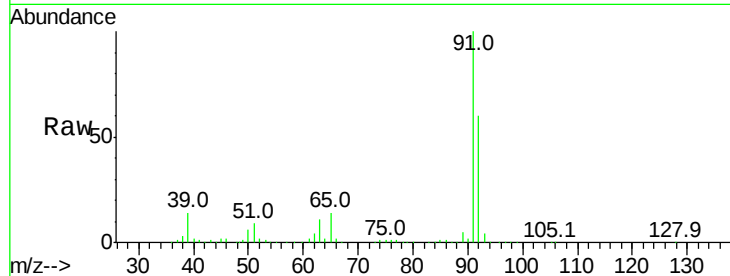
Acq: 2 Mar 2022 9:41

Tgt Ion: 91 Resp: 2263048

Ion Ratio Lower Upper

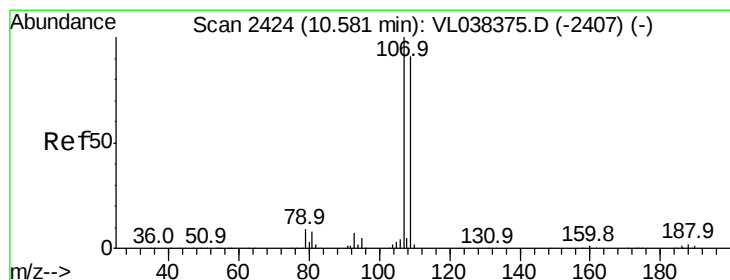
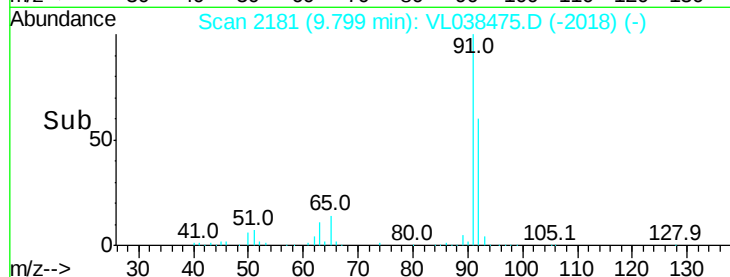
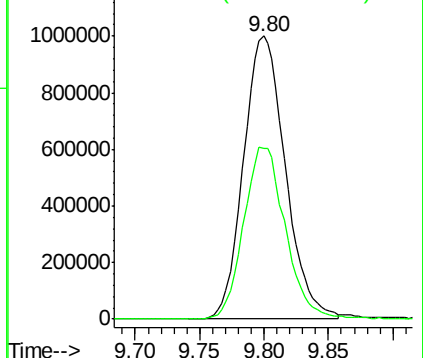
91 100

92 61.1 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.62 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.02 min

Lab File: VL038475.D

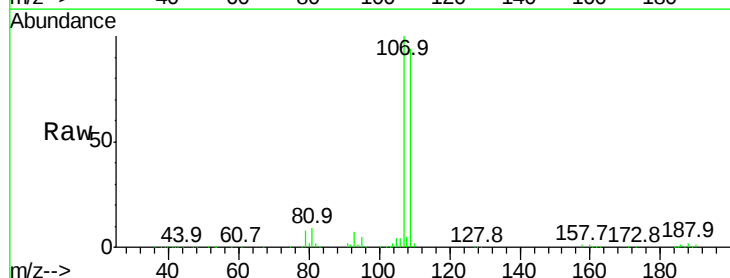
Acq: 2 Mar 2022 9:41

Tgt Ion: 107 Resp: 1153429

Ion Ratio Lower Upper

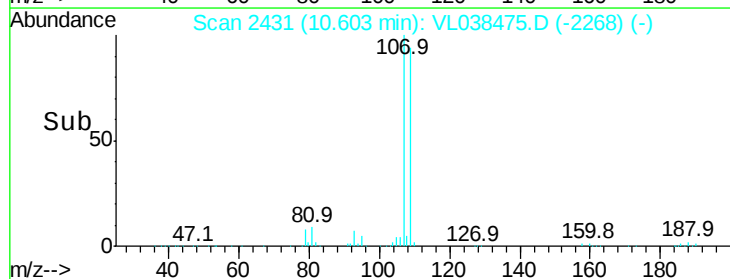
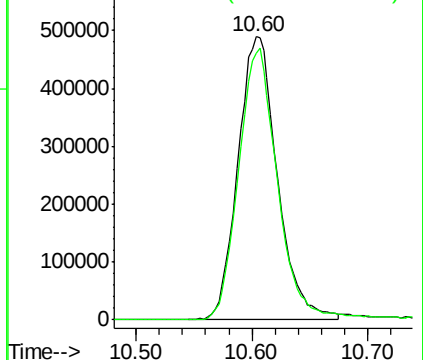
107 100

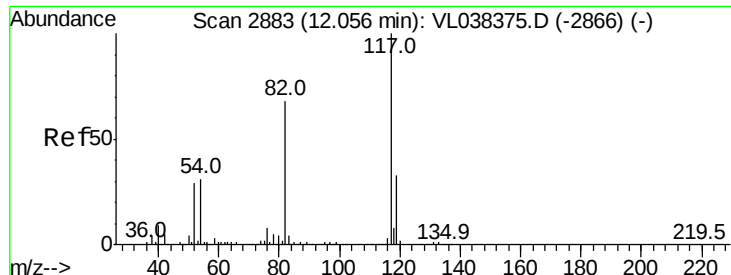
109 94.1 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

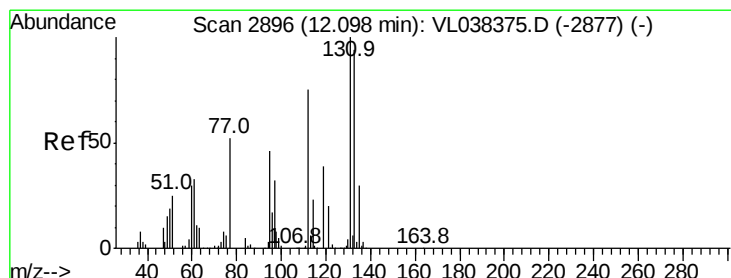
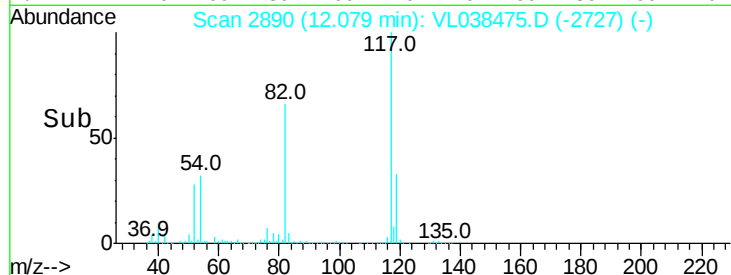
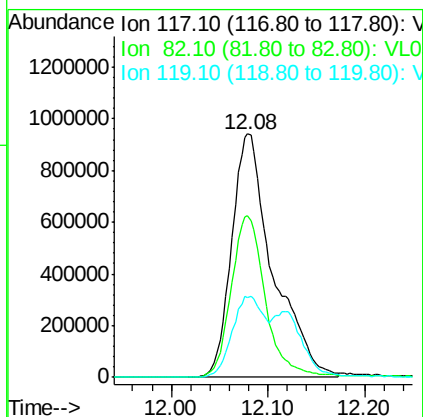
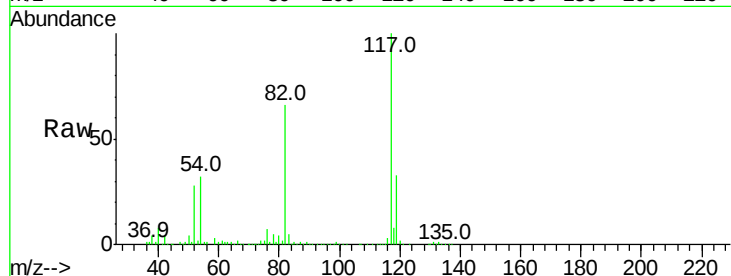
Ion 109.00 (108.70 to 109.70): V





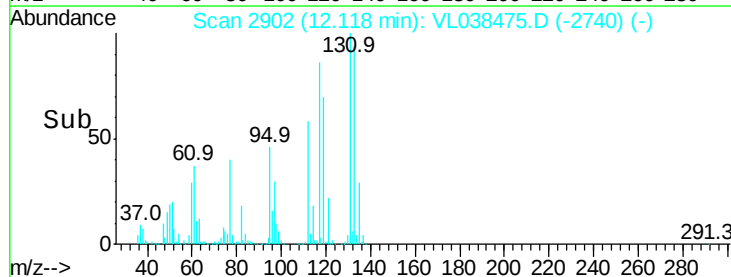
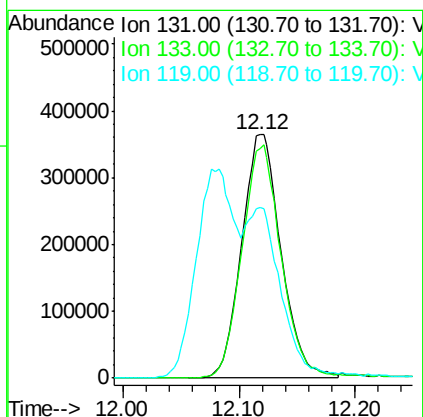
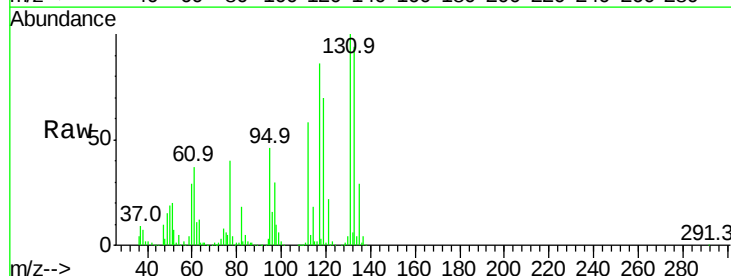
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

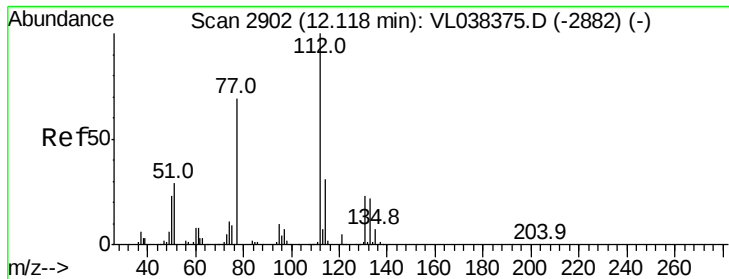
Tgt Ion:117 Resp: 2780519
 Ion Ratio Lower Upper
 117 100
 82 56.6 54.9 82.3
 119 46.7 46.1 69.1



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.42 ppbv
 RT: 12.12 min Scan# 2902
 Delta R.T.: 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion:131 Resp: 860277
 Ion Ratio Lower Upper
 131 100
 133 97.1 77.3 115.9
 119 151.6 48.6 73.0#





#57

Chlorobenzene

Concen: 7.17 ppbv

RT: 12.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 9:41

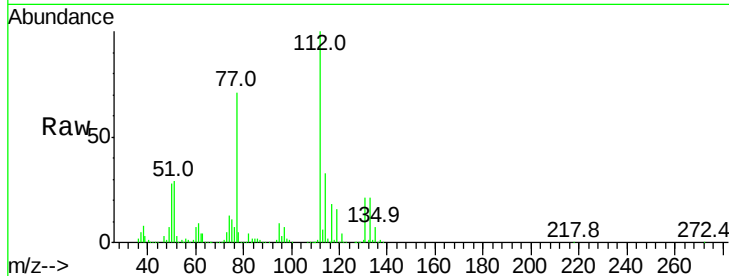
Tgt Ion: 112 Resp: 1539234

Ion Ratio Lower Upper

112 100

77 69.0 55.2 82.8

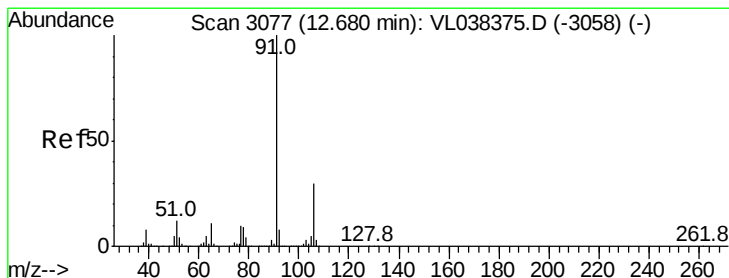
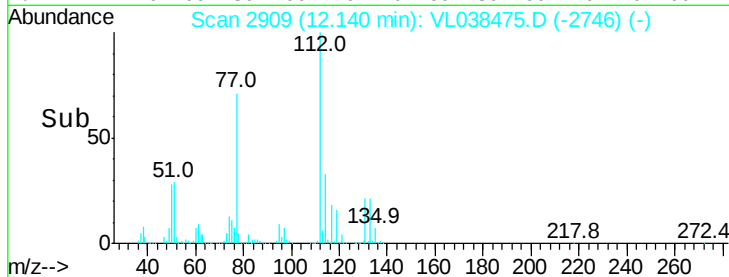
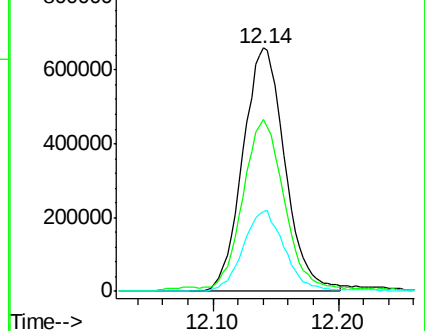
114 32.8 27.9 34.1



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: 7.57 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.02 min

Lab File: VL038475.D

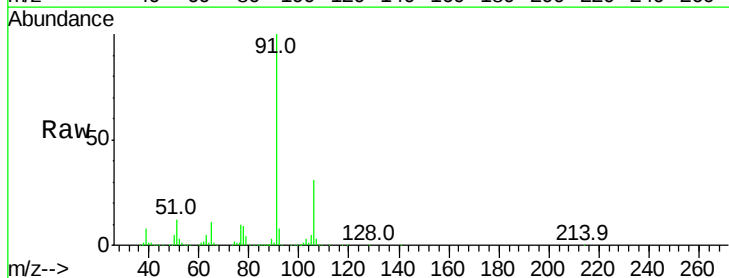
Acq: 2 Mar 2022 9:41

Tgt Ion: 91 Resp: 2879501

Ion Ratio Lower Upper

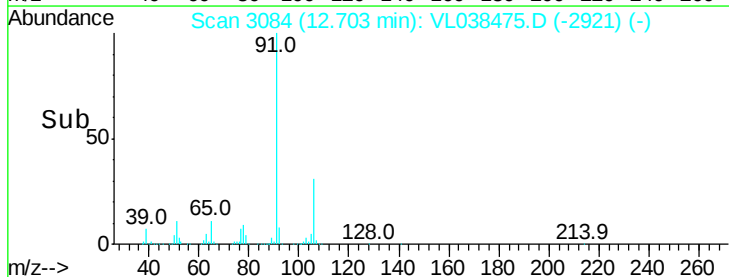
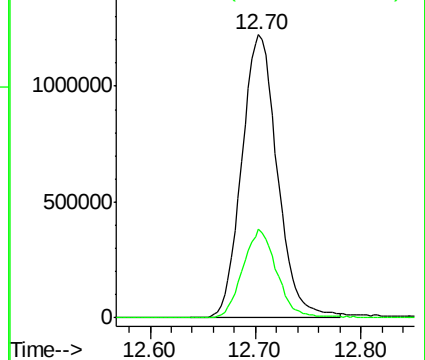
91 100

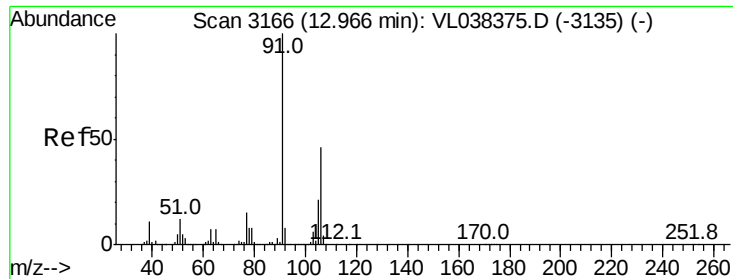
106 31.2 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

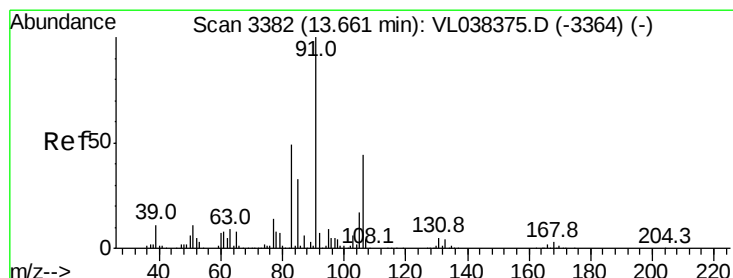
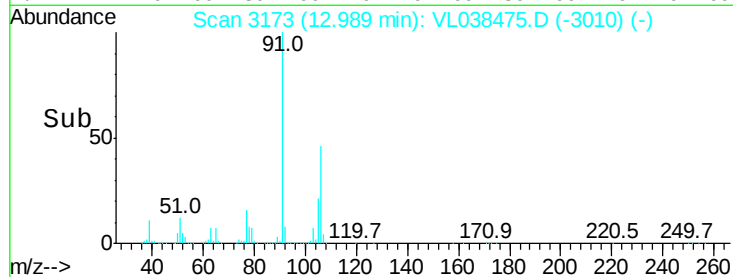
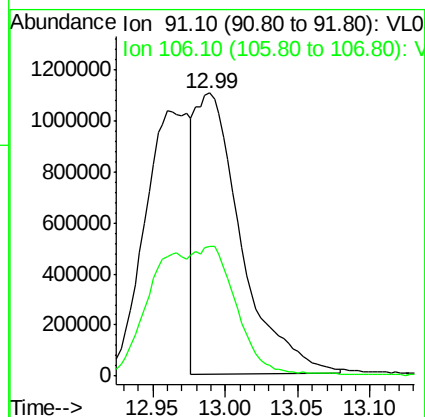
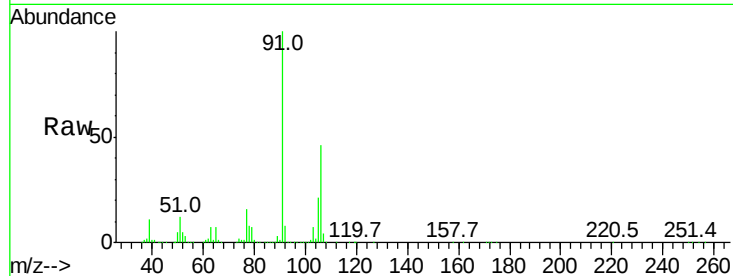
Ion 106.10 (105.80 to 106.80): V





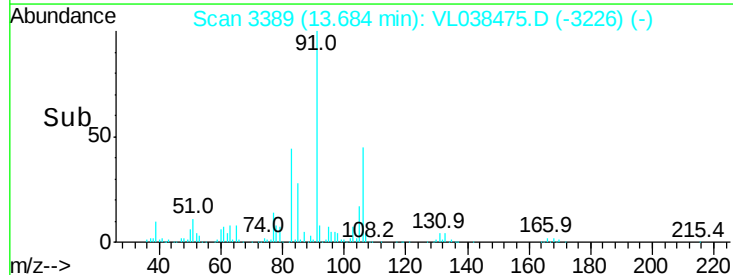
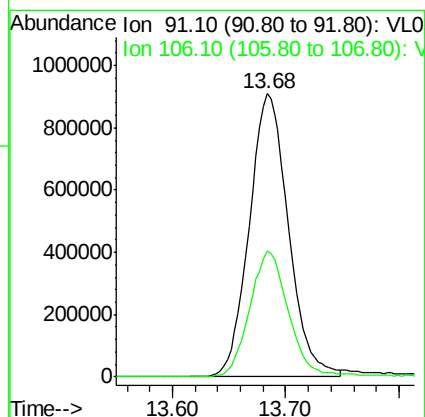
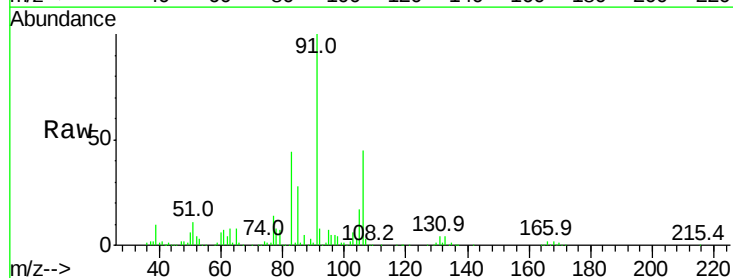
#59
m/p-Xylene
Concen: 7.43 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Mar 2022 9:41
VSTDCCC010

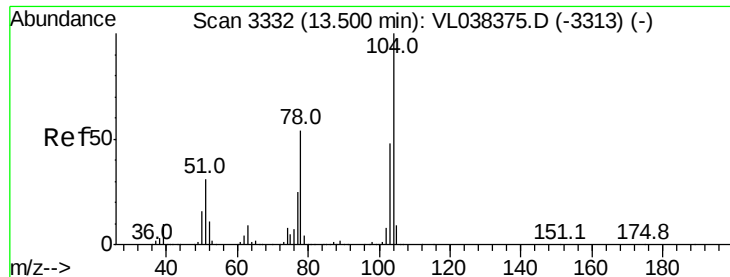
Tgt Ion: 91 Resp: 2425379
Ion Ratio Lower Upper
91 100
106 86.0 34.4 51.6#



#60
o-Xylene
Concen: 7.06 ppbv
RT: 13.68 min Scan# 3389
Delta R.T.: 0.02 min
Lab File: VL038475.D
Acq: 2 Mar 2022 9:41

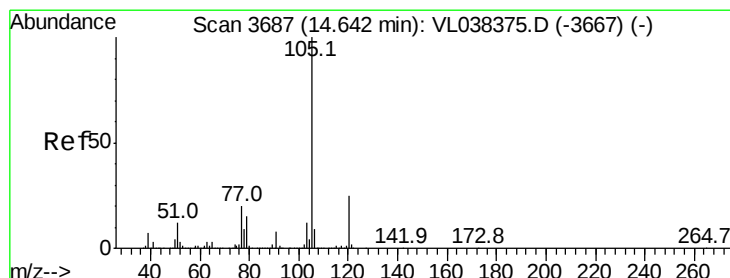
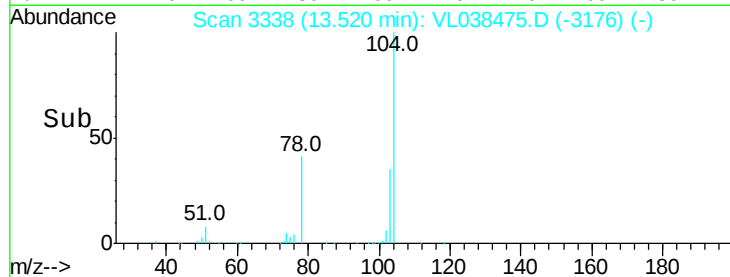
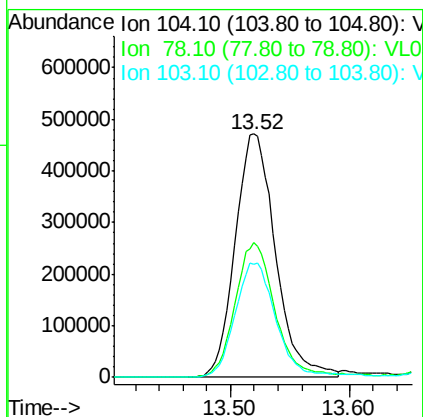
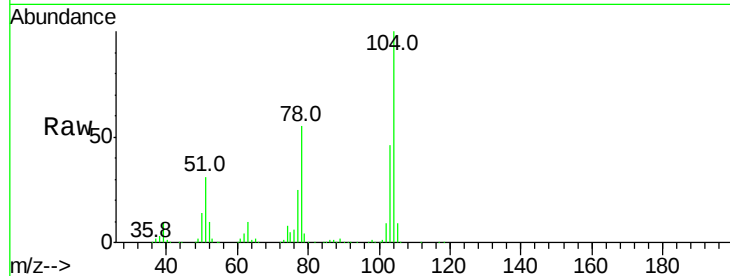
Tgt Ion: 91 Resp: 2179400
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.5





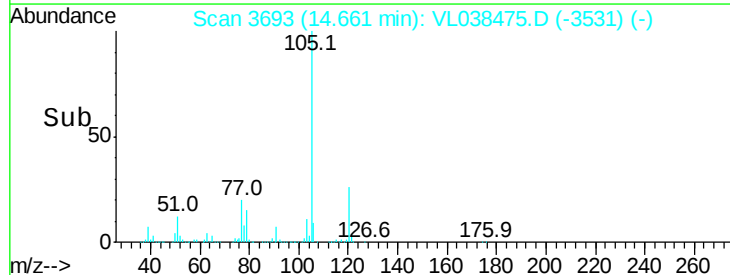
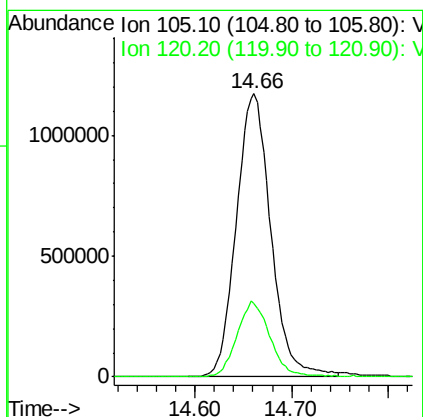
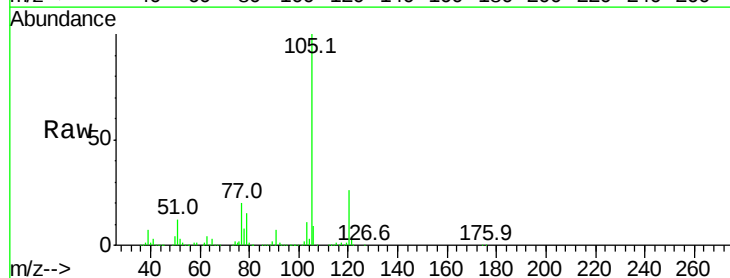
#61
 Styrene
 Concen: 7.80 ppbv
 RT: 13.52
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

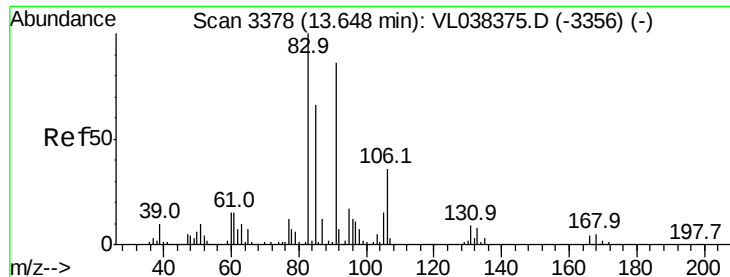
Tgt Ion:104 Resp: 1110292
 Ion Ratio Lower Upper
 104 100
 78 55.6 44.2 66.4
 103 48.1 38.4 57.6



#62
 Isopropylbenzene
 Concen: 7.02 ppbv
 RT: 14.66 min Scan# 3693
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion:105 Resp: 2909591
 Ion Ratio Lower Upper
 105 100
 120 25.9 20.6 30.8

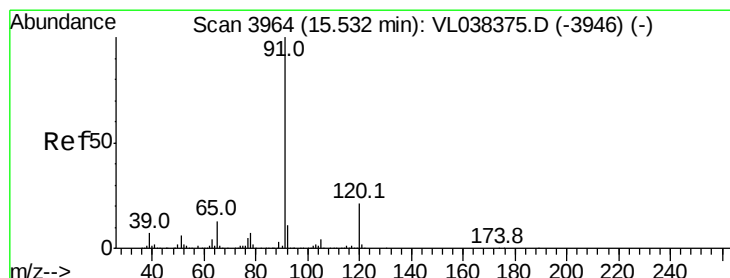
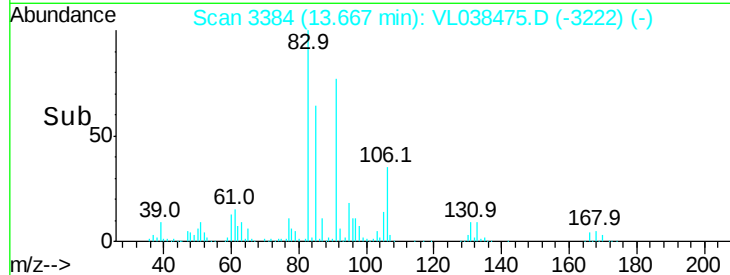
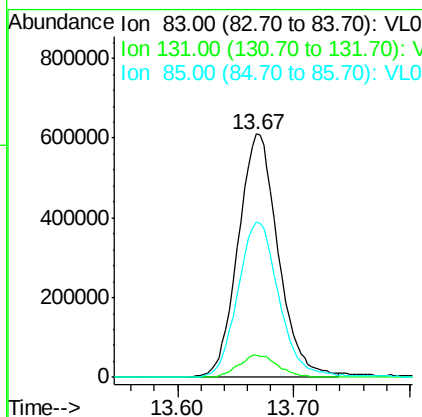
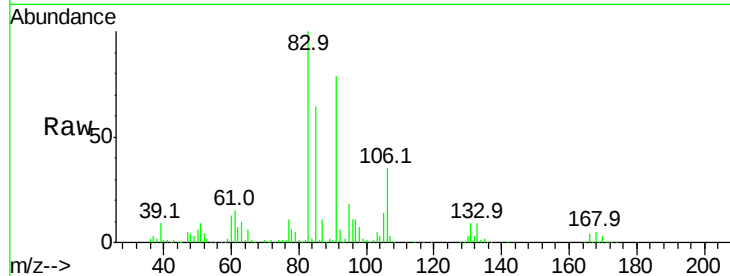




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.80 ppbv
 RT: 13.67 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

Tgt Ion: 83 Resp: 1454202

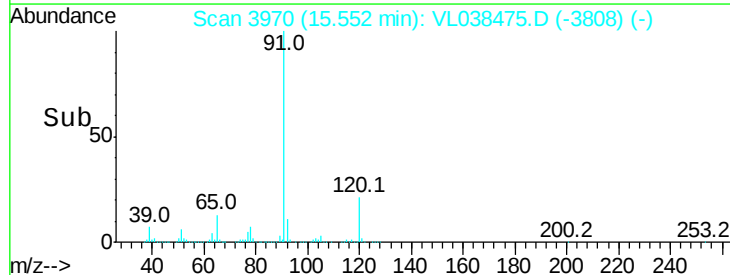
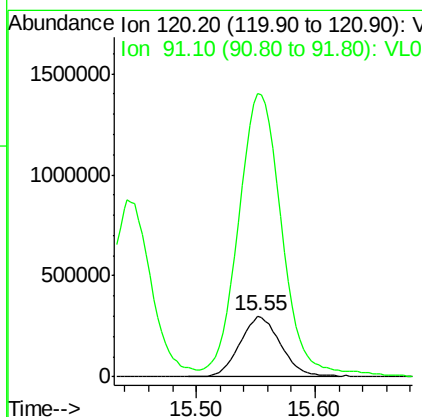
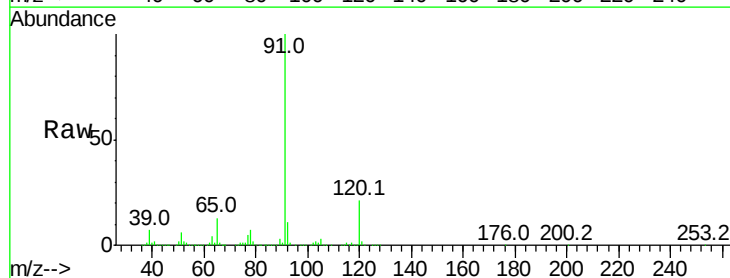
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	67.0	33.0	99.0

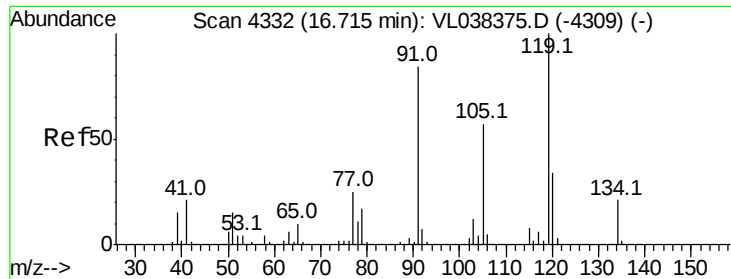


#64
 n-propylbenzene
 Concen: 6.96 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion: 120 Resp: 713839

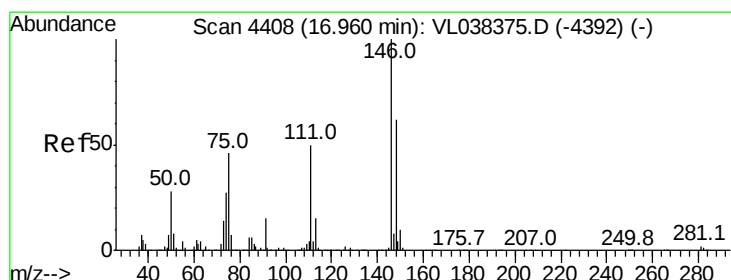
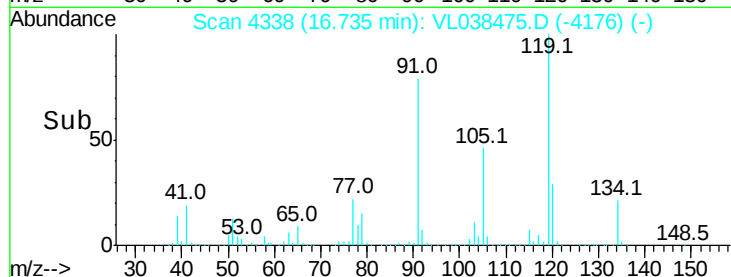
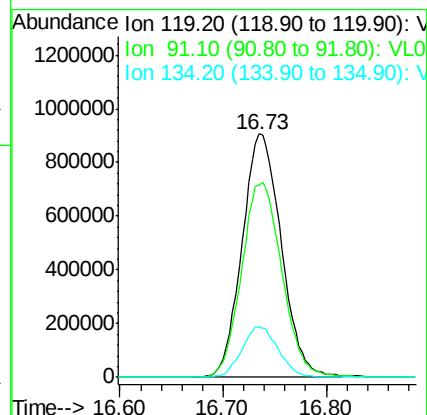
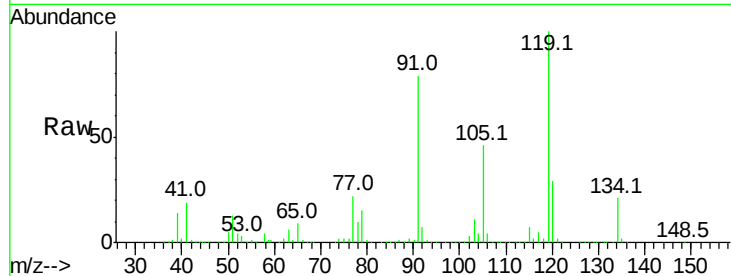
Ion	Ratio	Lower	Upper
120	100		
91	498.3	388.1	582.1





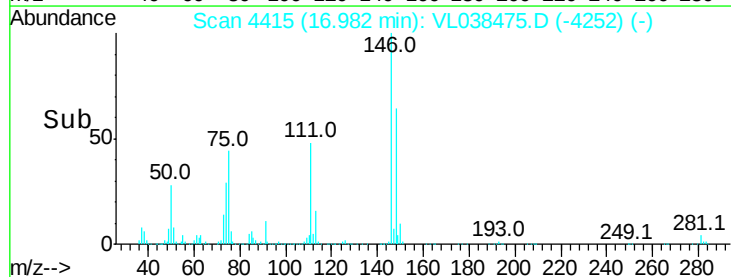
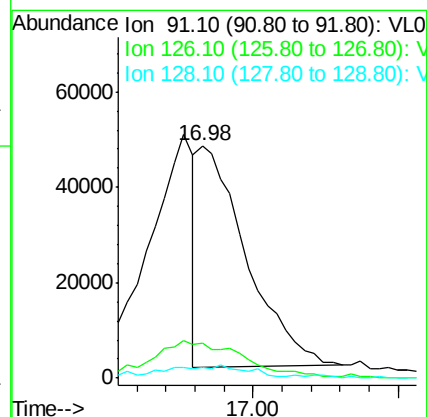
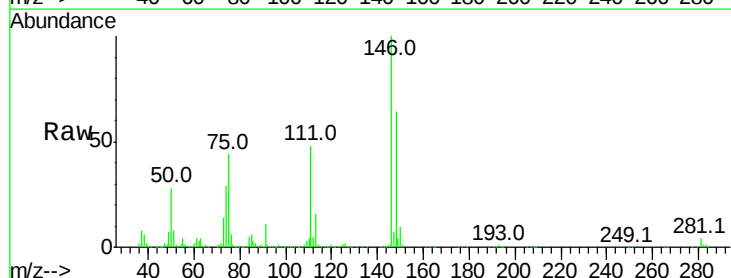
#65
 tert-Butylbenzene
 Concen: 6.66 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

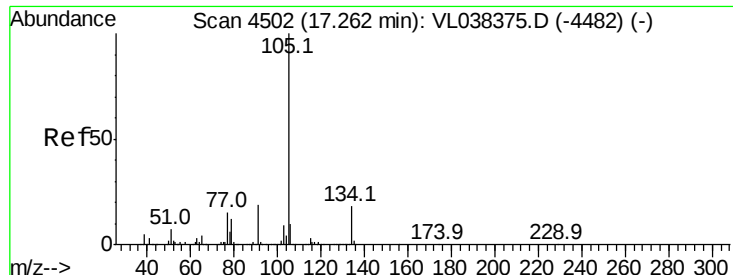
Tgt Ion: 119 Resp: 2388349
 Ion Ratio Lower Upper
 119 100
 91 82.8 68.0 102.0
 134 19.6 15.8 23.8



#66
 Benzyl Chloride
 Concen: 2.74 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

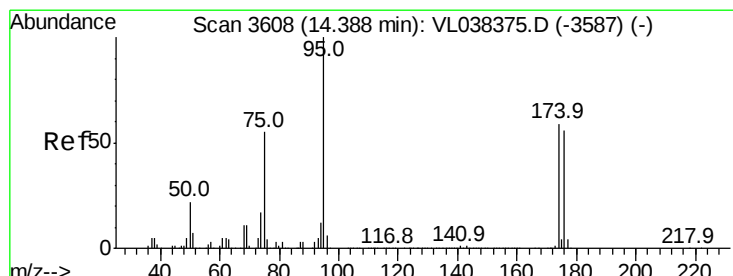
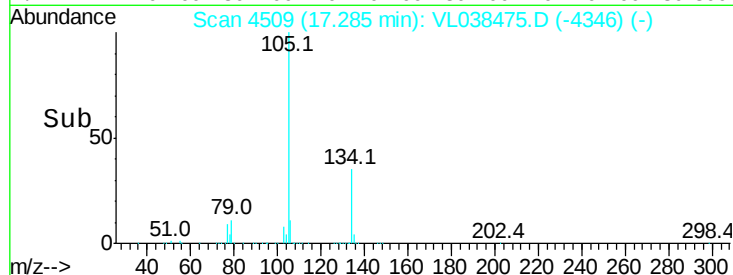
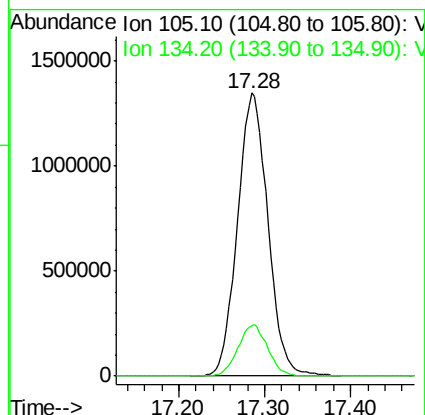
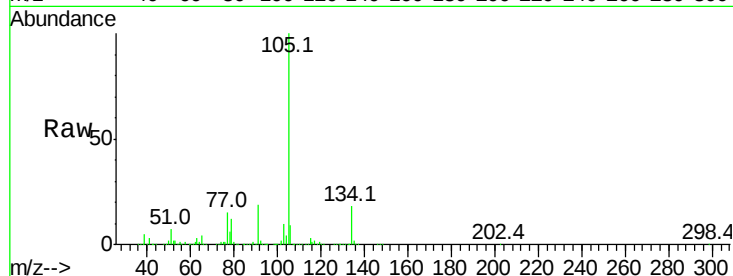
Tgt Ion: 91 Resp: 53207
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.3 18.5#
 128 11.6 4.2 6.4#





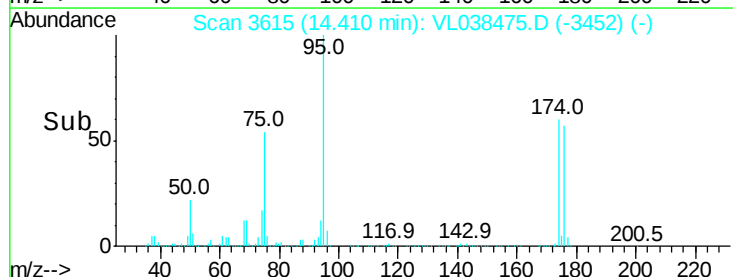
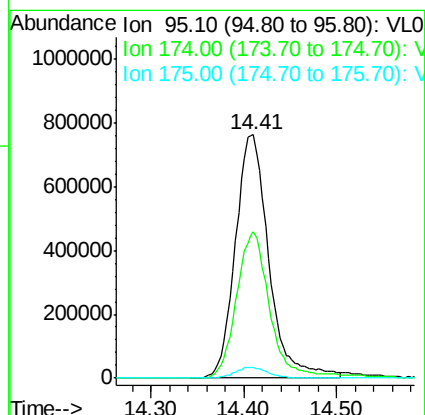
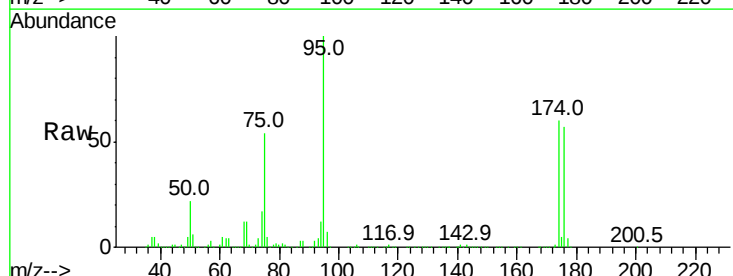
#67
 sec-Butylbenzene
 Concen: 6.50 ppbv
 RT: 17.28 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

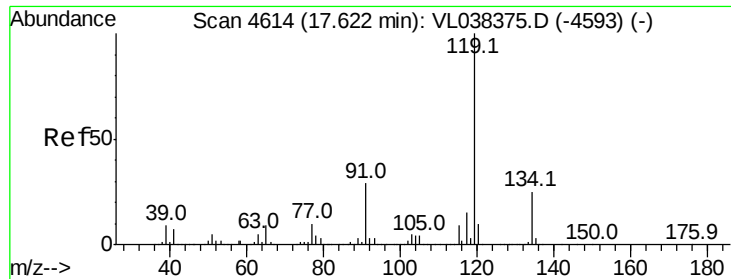
Tgt Ion: 105 Resp: 3305291
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.32 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion: 95 Resp: 1914169
 Ion Ratio Lower Upper
 95 100
 174 60.8 49.0 73.4
 175 4.6 3.6 5.4

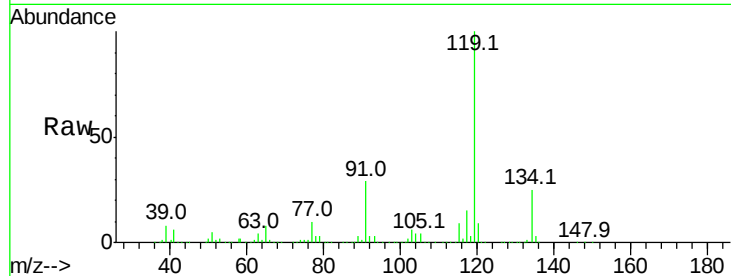




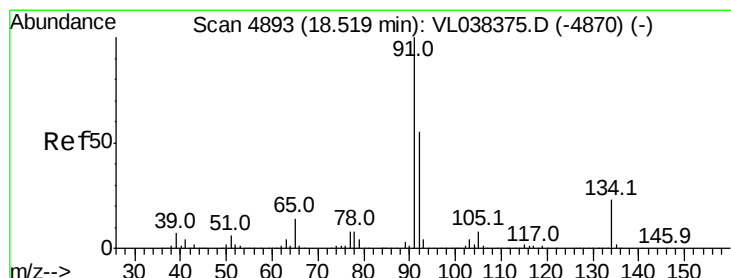
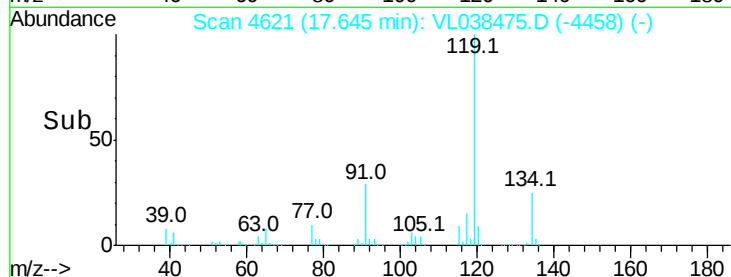
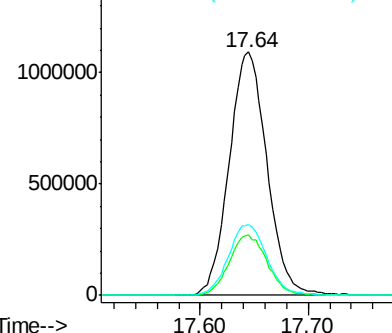
#69
 p-Isopropyltoluene
 Concen: 6.65 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

Tgt Ion: 119 Resp: 2655132

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.5	23.8	35.8



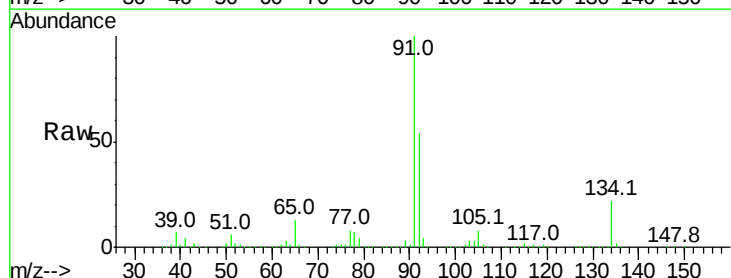
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



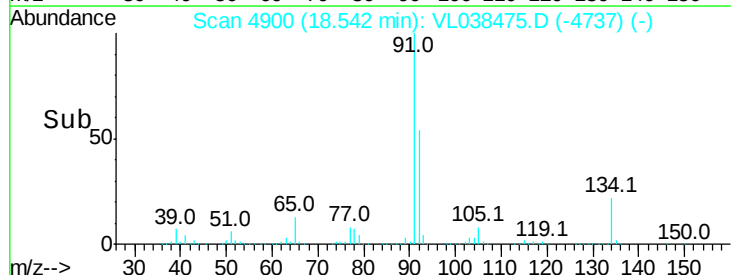
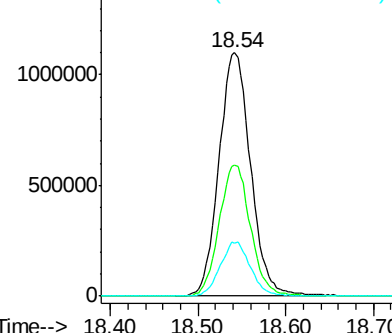
#70
 n-Butylbenzene
 Concen: 6.67 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

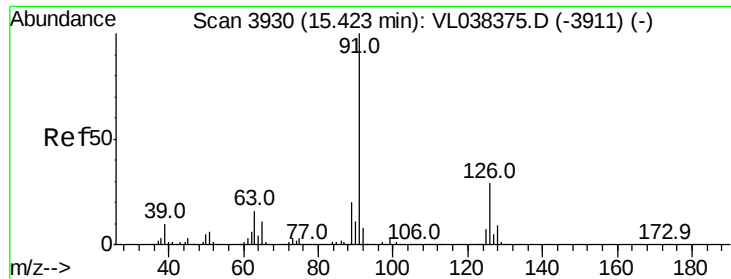
Tgt Ion: 91 Resp: 2758292

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.1	64.7
134	21.6	17.4	26.0



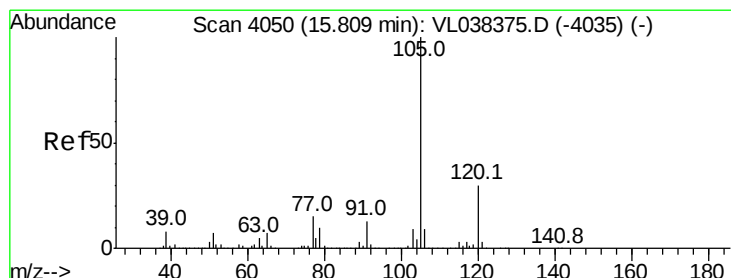
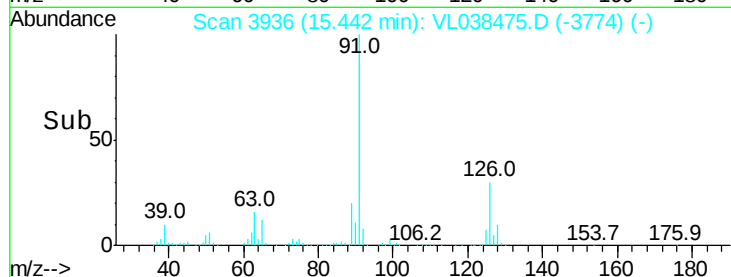
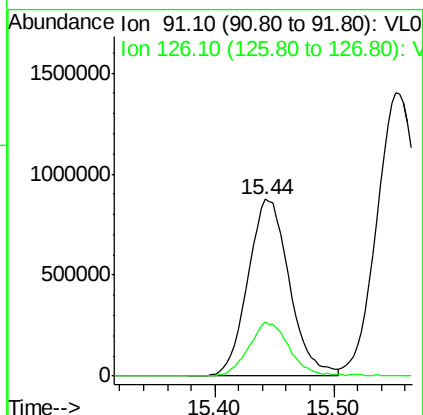
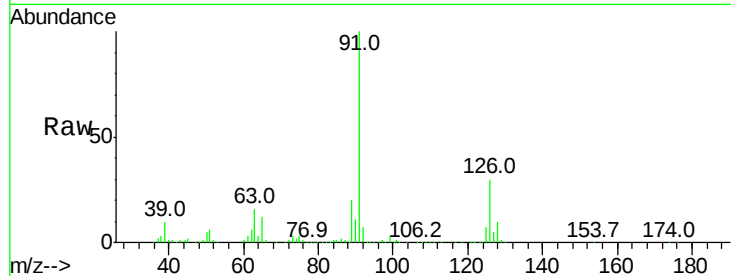
Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





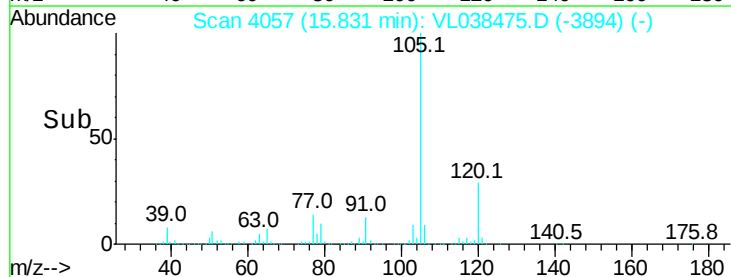
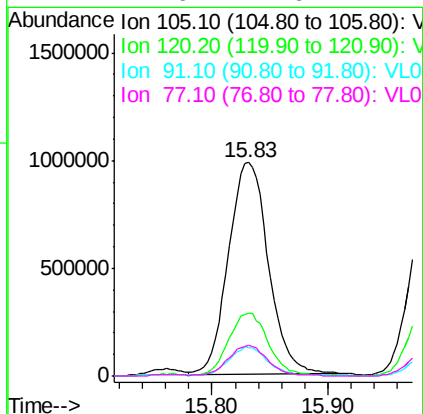
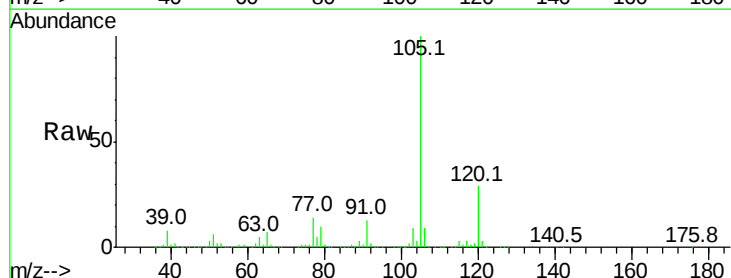
#71
 2-Chlorotoluene
 Concen: 6.65 ppbv
 RT: 15.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

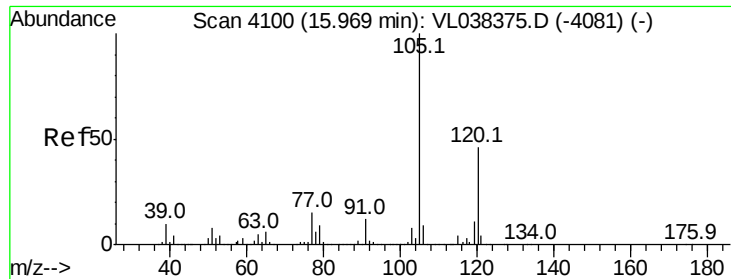
Tgt Ion: 91 Resp: 2118930
 Ion Ratio Lower Upper
 91 100
 126 30.6 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 6.89 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.02 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion: 105 Resp: 2344889
 Ion Ratio Lower Upper
 105 100
 120 30.0 23.4 35.2
 91 13.2 10.4 15.6
 77 14.6 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 6.68 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

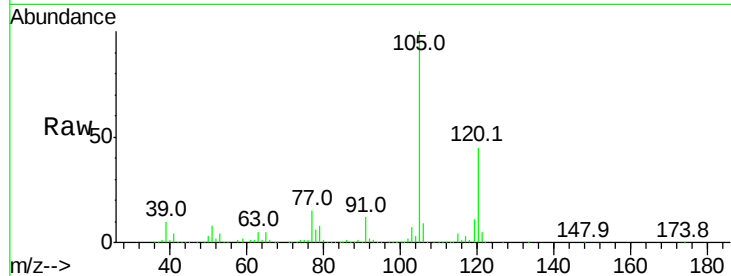
Acq: 2 Mar 2022 9:41

Tgt Ion:105 Resp: 2062291

Ion Ratio Lower Upper

105 100

120 44.8 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

800000

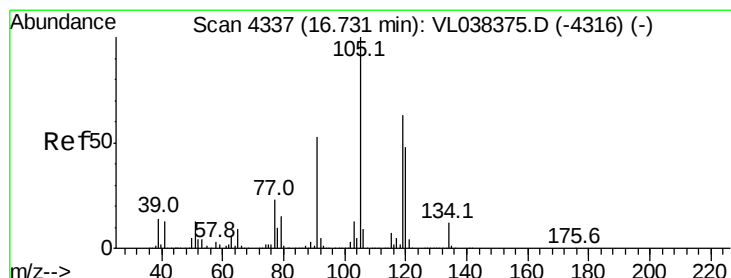
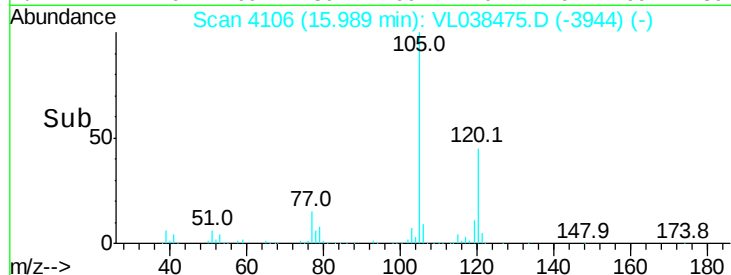
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.59 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

Tgt Ion:105 Resp: 2149847

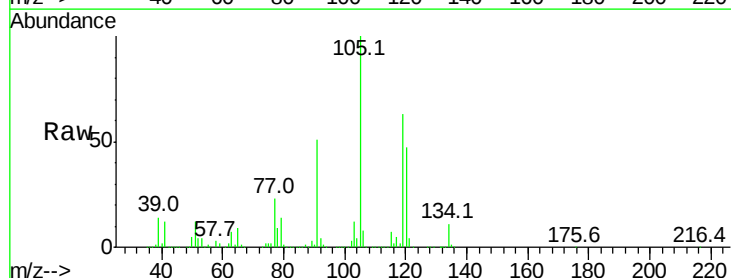
Ion Ratio Lower Upper

105 100

120 46.5 38.2 57.4

91 50.2 42.7 64.1

77 22.4 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

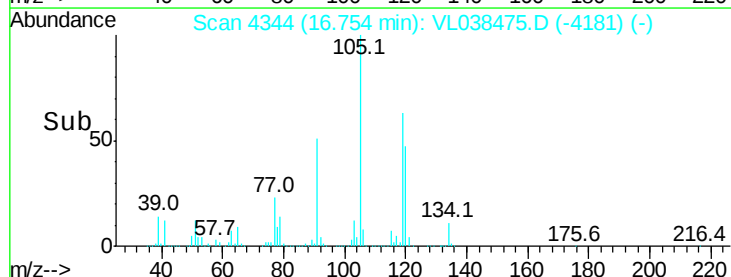
16.75

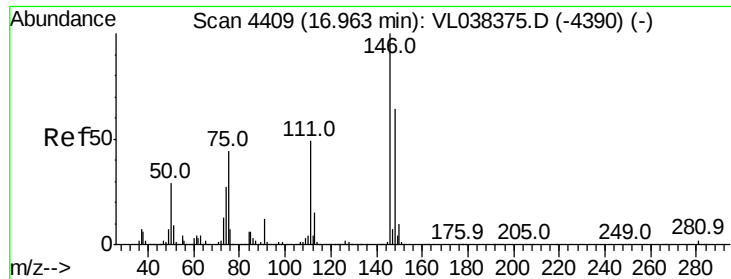
1000000

500000

0

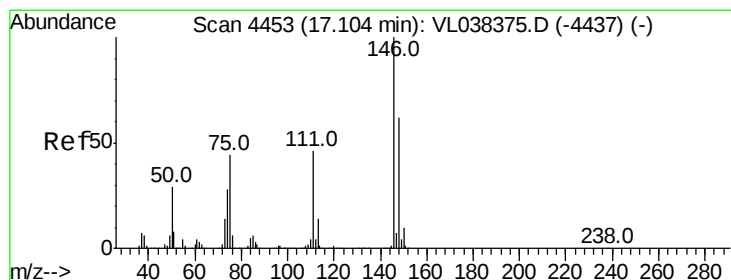
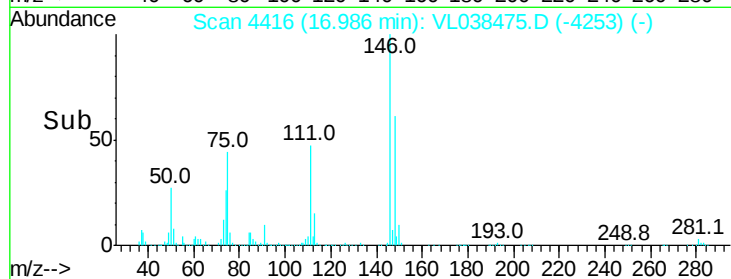
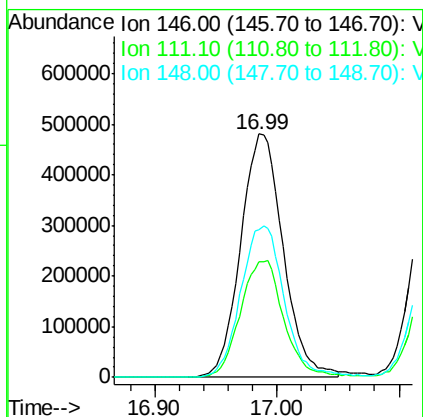
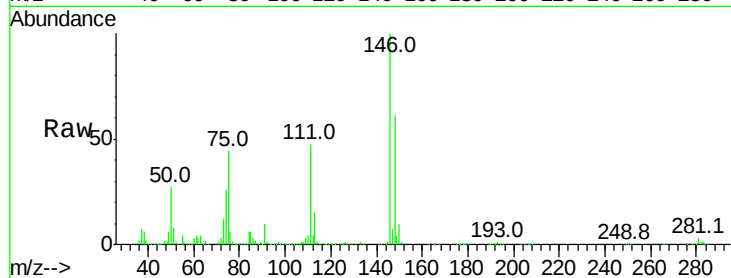
Time-->





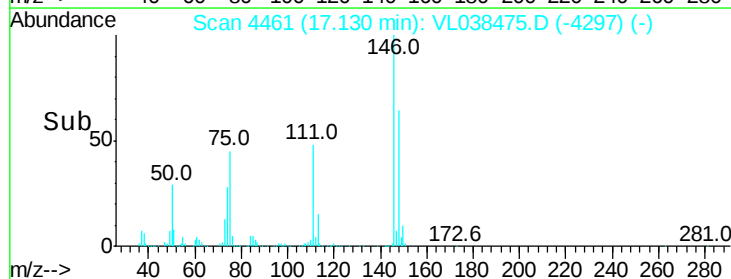
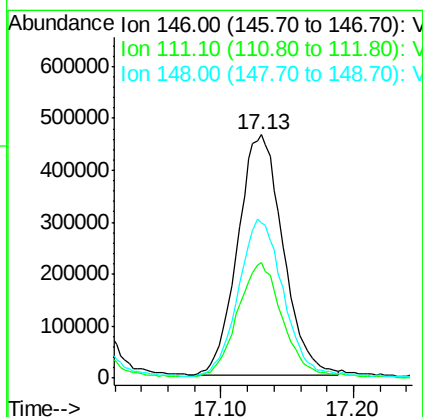
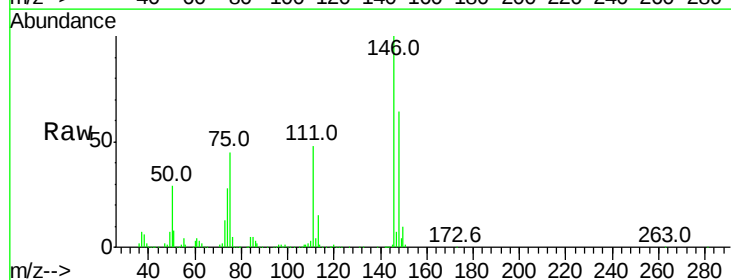
#75
 1,3-Dichlorobenzene
 Concen: 6.32 ppbv
 RT: 16.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

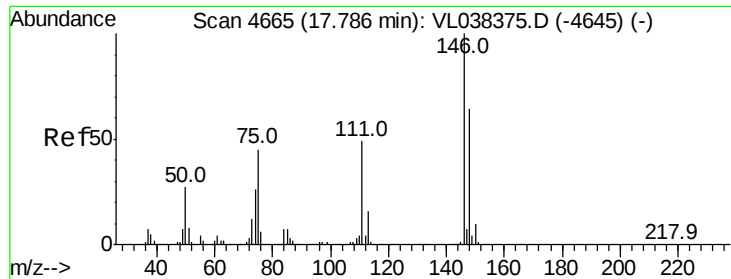
Tgt Ion:146 Resp: 1154676
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.3 72.9
 148 63.9 32.0 96.0



#76
 1,4-Dichlorobenzene
 Concen: 6.08 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.03 min
 Lab File: VL038475.D
 Acq: 2 Mar 2022 9:41

Tgt Ion:146 Resp: 1095355
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.1 72.2
 148 67.5 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 6.23 ppbv

RT: 17.81 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 9:41

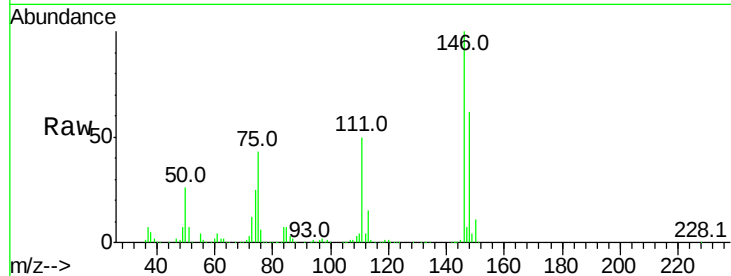
Tgt Ion:146 Resp: 1095684

Ion Ratio Lower Upper

146 100

111 51.4 25.6 76.6

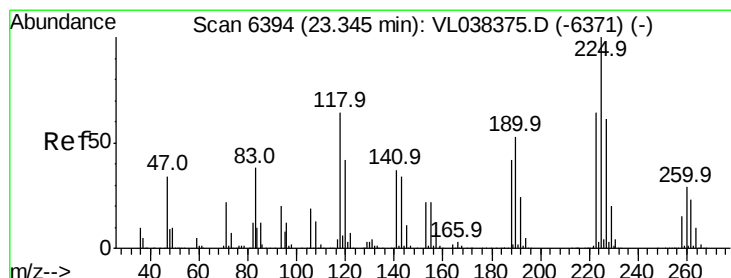
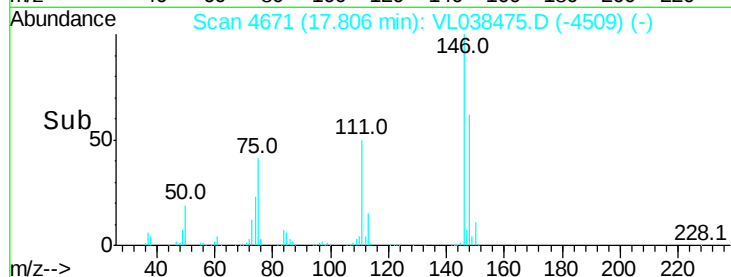
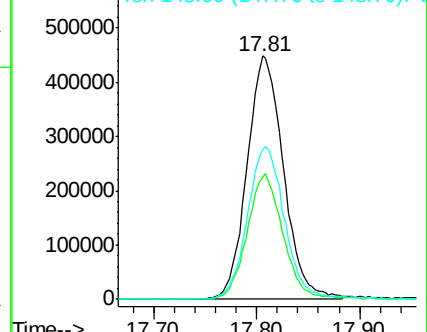
148 64.5 32.4 97.2



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: 6.60 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

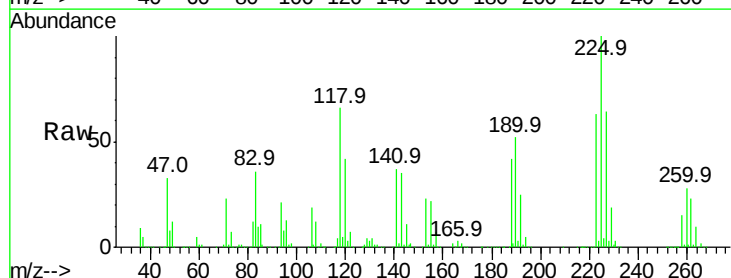
Tgt Ion:225 Resp: 885267

Ion Ratio Lower Upper

225 100

223 63.9 52.0 78.0

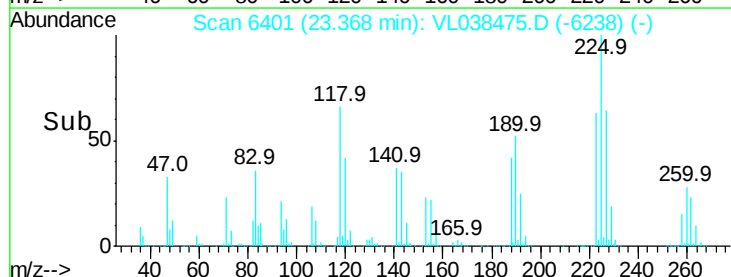
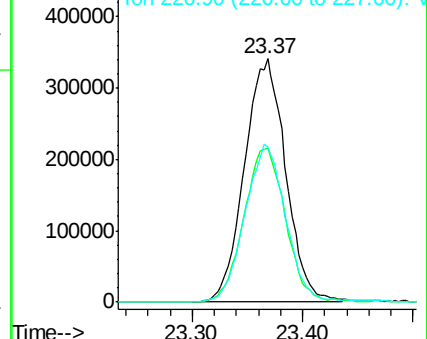
227 64.4 51.6 77.4

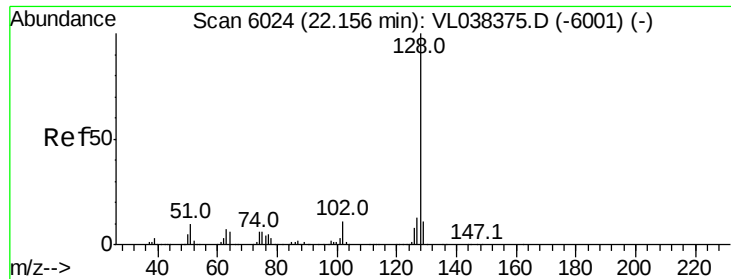


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.47 ppbv

RT: 22.19 min

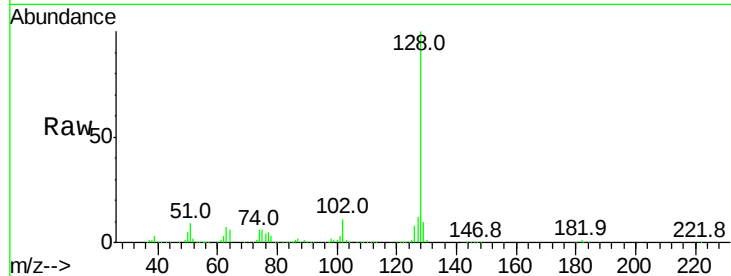
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDCCC010

Acq: 2 Mar 2022 9:41

Tgt Ion:128 Resp: 1672384

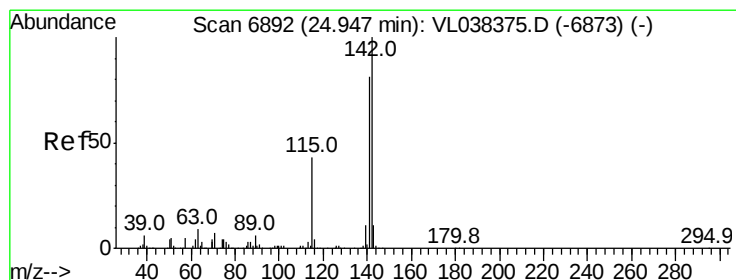
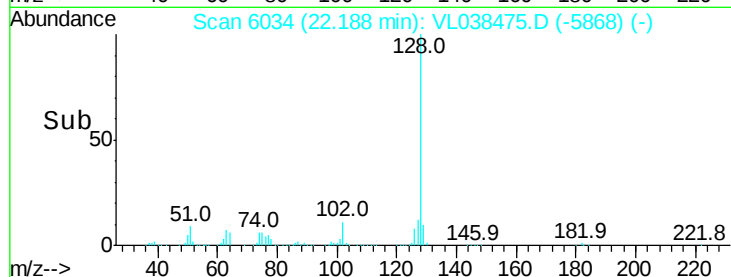
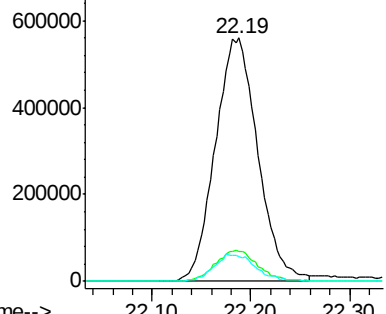
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.7	16.1
129	10.3	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.90 ppbv

RT: 24.96 min Scan# 6897

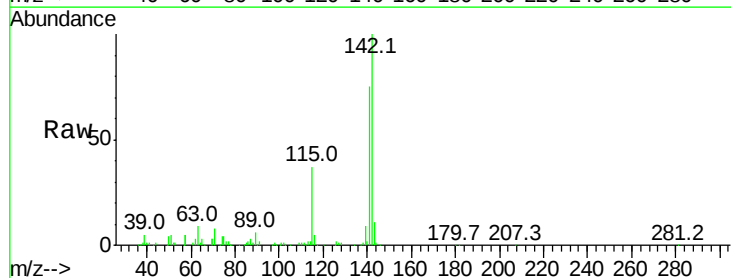
Delta R.T. 0.02 min

Lab File: VL038475.D

Acq: 2 Mar 2022 9:41

Tgt Ion:142 Resp: 272787

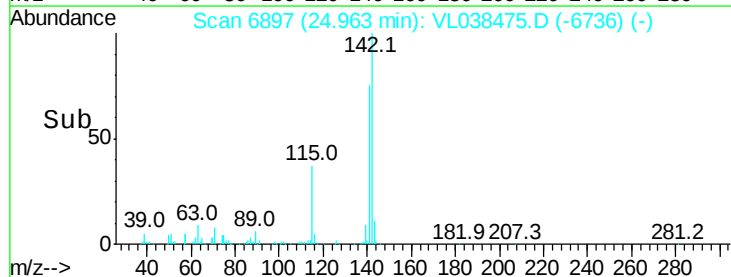
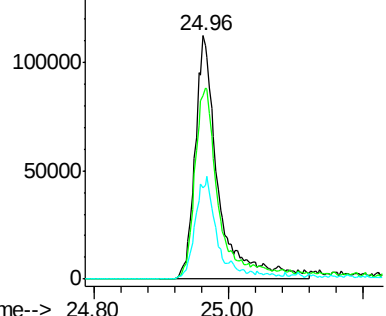
Ion	Ratio	Lower	Upper
142	100		
141	82.7	69.8	104.6
115	41.7	33.0	49.6

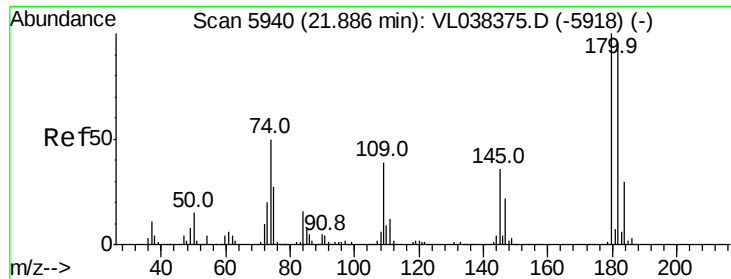


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 3.84 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 2 Mar 2022 9:41

Tgt Ion:180 Resp: 409804
 Ion Ratio Lower Upper
 180 100
 182 211.5 77.4 116.2#
 184 68.4 24.9 37.3#

