

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038571.D
 Acq On : 9 Mar 2022 10:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 10 00:28:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	907636	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2429509	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2836363	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1749474	8.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	1285824	9.38	ppbv	99
3) Chlorodifluoromethane	2.99	51	1468466	9.18	ppbv	99
4) Chloromethane	3.14	50	562173	9.48	ppbv	100
5) Vinyl Chloride	3.26	62	549873	9.23	ppbv	98
6) Bromomethane	3.48	94	313541	9.81	ppbv	97
7) Chloroethane	3.56	64	192846	10.00	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1301214	9.79	ppbv	100
9) Propene	3.02	41	527473	9.34	ppbv	100
10) Heptane	8.12	43	1334151	9.88	ppbv	98
11) Trichlorofluoromethane	3.95	101	1165216	9.69	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	898585	9.62	ppbv	99
13) Ethanol	3.61	45	54653	8.42	ppbv	98
14) Bromoethene	3.74	108	408275	10.25	ppbv	99
15) Acetone	3.85	43	652517	10.19	ppbv	99
16) 1,3-Butadiene	3.33	39	498682	9.69	ppbv	97
17) tert-Butyl alcohol	4.29	59	709974	10.21	ppbv	99
18) 1,1-Dichloroethene	4.29	96	406386	9.72	ppbv	97
19) Isopropyl Alcohol	3.97	45	408928	9.57	ppbv #	96
20) Methylene Chloride	4.34	84	342829	8.90	ppbv	98
21) Allyl Chloride	4.41	41	609603	9.88	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	450356	10.27	ppbv	98
23) Vinyl Acetate	5.07	43	982265	10.70	ppbv	99
24) 1,1-Dichloroethane	5.01	63	821754	9.85	ppbv	99
25) Ethyl Acetate	5.67	43	2097408	9.73	ppbv	99
26) Hexane	5.68	57	977012	9.65	ppbv	100
27) Carbon Disulfide	4.55	76	1091427	10.82	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	821362	9.97	ppbv	99
29) Chloroform	5.75	83	1508537	9.57	ppbv	100
30) Cyclohexane	7.13	84	860480	9.83	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	933289	9.64	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1447227	9.47	ppbv	99
34) 2-Butanone	5.24	43	647111	10.28	ppbv	99
35) Carbon Tetrachloride	7.01	117	1520018	9.17	ppbv	97
36) Benzene	6.89	78	2108973	9.62	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1004169	9.58	ppbv	99
38) Trichloroethene	7.83	130	812050	9.27	ppbv	98
39) 1,2-Dichloropropane	7.61	63	812589	9.64	ppbv	99
40) 1,4-Dioxane	7.83	88	210515	9.98	ppbv	89
41) Tetrahydrofuran	6.05	42	500868	9.72	ppbv	98
42) Bromodichloromethane	7.79	83	1609514	9.69	ppbv	99
43) Methyl Methacrylate	8.01	69	759363	10.09	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3446131	9.30	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	611276	11.27	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	794755	10.72	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	849955	9.89	ppbv	98
48) Dibromochloromethane	10.30	129	1438824	10.55	ppbv	100
49) Bromoform	13.03	173	1179439	11.29	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1259878	9.76	ppbv	98
51) 2-Hexanone	10.13	43	541625	9.93	ppbv #	99
52) Tetrachloroethene	11.22	164	751822	9.36	ppbv	99
53) Toluene	9.80	91	2388454	10.21	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1253801	10.21	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	907982	7.86	ppbv #	57
57) Chlorobenzene	12.14	112	1687818	7.79	ppbv	97
58) Ethyl Benzene	12.70	91	3031087	8.25	ppbv	95
59) m/p-Xylene	12.99	91	2767865	8.80	ppbv #	42
60) o-Xylene	13.69	91	2373729	8.00	ppbv	100
61) Styrene	13.52	104	1302714	8.90	ppbv	99
62) Isopropylbenzene	14.66	105	3289055	8.03	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1805349	7.20	ppbv	99
64) n-propylbenzene	15.55	120	885417	8.48	ppbv	98
65) tert-Butylbenzene	16.74	119	2895657	7.90	ppbv	99
66) Benzyl Chloride	16.98	91	180479	8.31	ppbv	98
67) sec-Butylbenzene	17.29	105	4117700	7.91	ppbv	100
69) p-Isopropyltoluene	17.65	119	3370306	7.81	ppbv	99
70) n-Butylbenzene	18.54	91	3473120	7.56	ppbv	100
71) 2-Chlorotoluene	15.45	91	2451080	8.06	ppbv	98
72) 4-Ethyltoluene	15.83	105	2909480	8.53	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2516773	7.95	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2624095	7.76	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	1653907	7.75	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1620009	7.67	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	1608153	7.45	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1282960	6.09	ppbv	99
79) Naphthalene	22.18	128	2437625	8.01	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	621412	11.57	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1360606	7.00	ppbv	99

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

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ClientSampleId :
VSTDCCC010

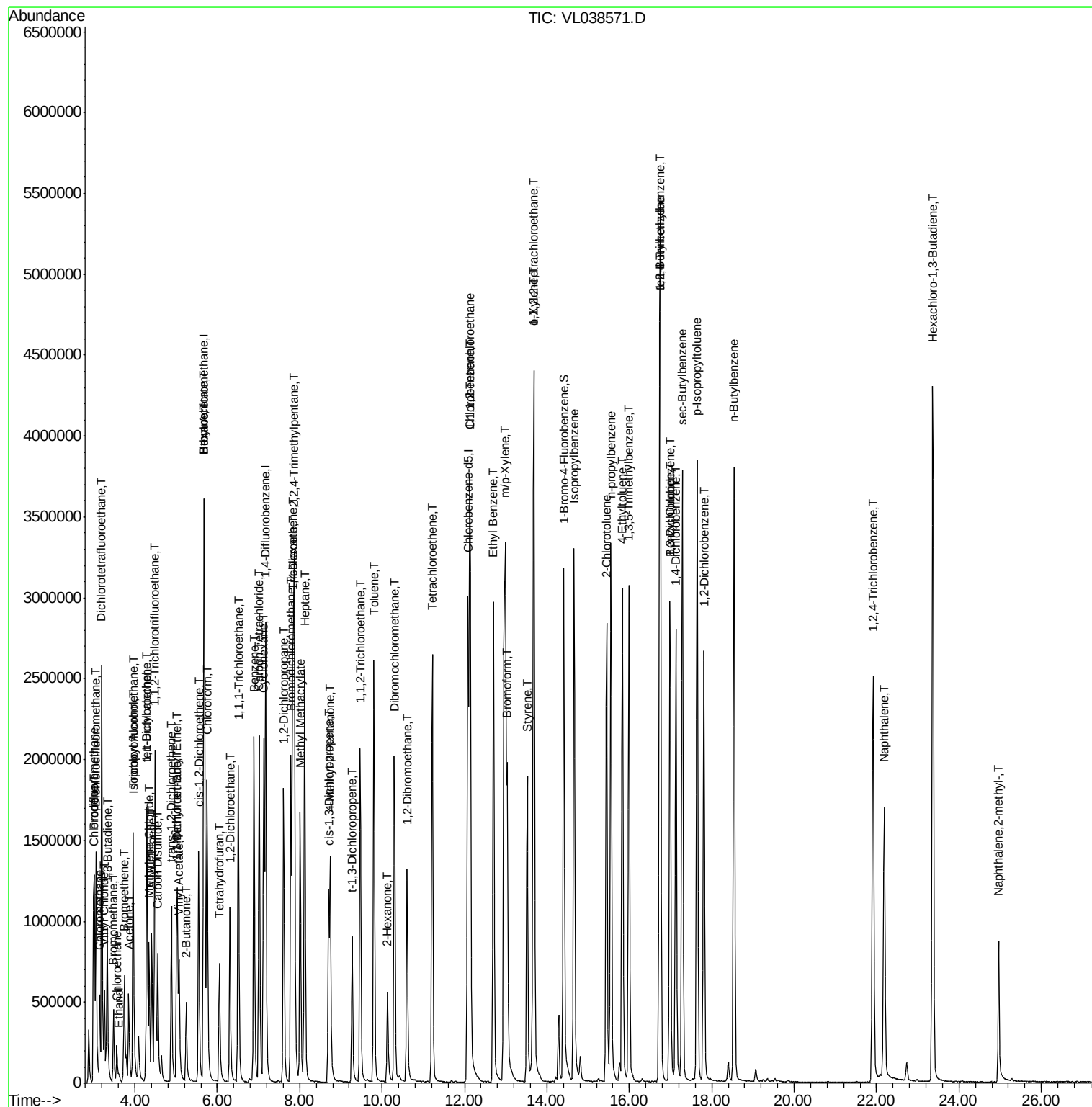
Quant Time: Mar 10 00:28:26 2022

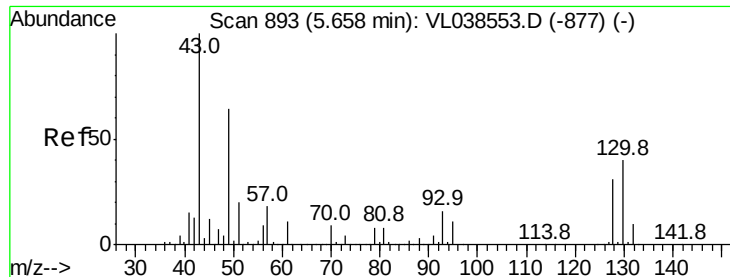
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

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QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23 VSTDCCC010

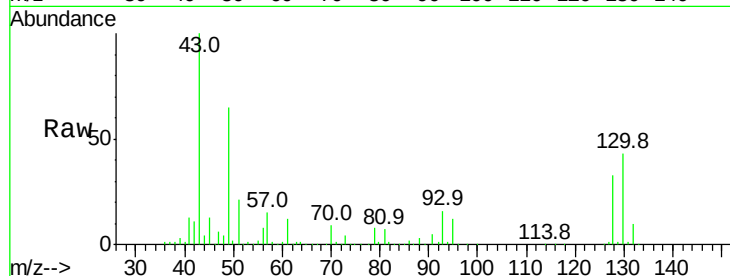
Tgt Ion: 49 Resp: 907636

Ion Ratio Lower Upper

49 100

128 54.2 26.4 79.2

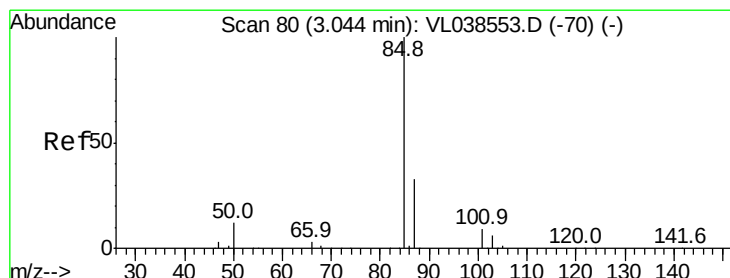
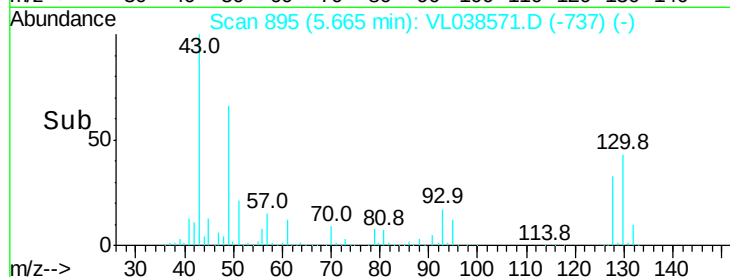
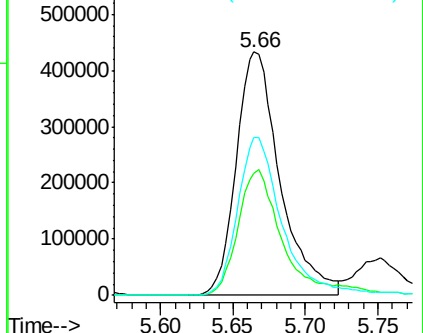
130 67.6 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.38 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038571.D

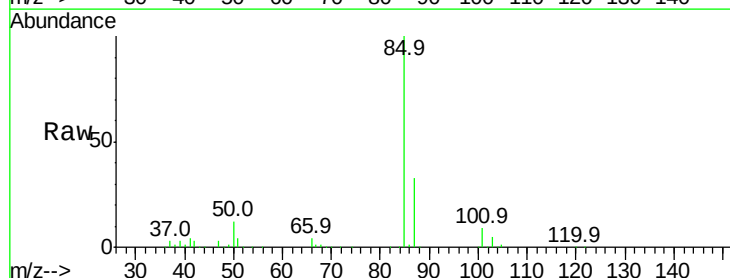
Acq: 9 Mar 2022 10:23

Tgt Ion: 85 Resp: 1285824

Ion Ratio Lower Upper

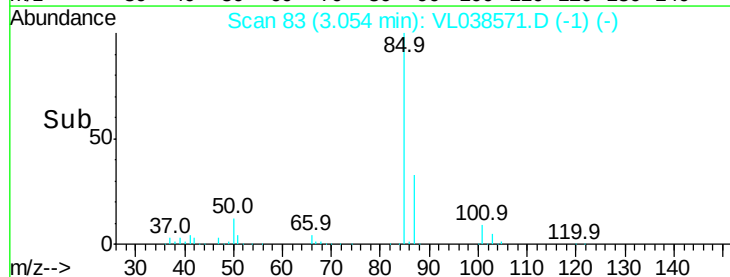
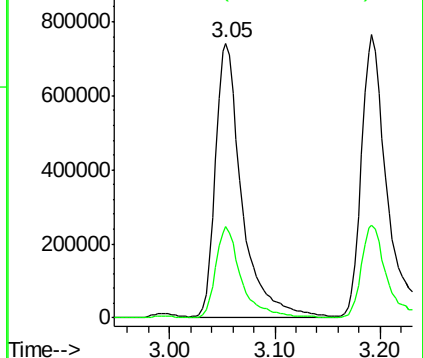
85 100

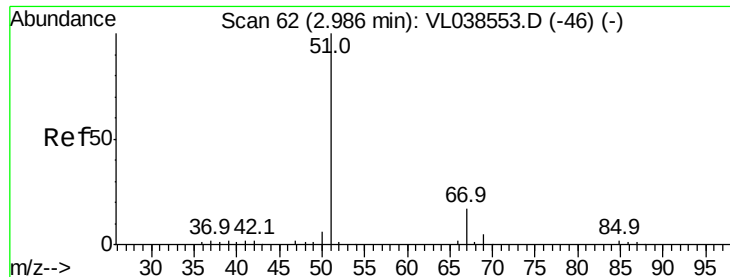
87 33.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

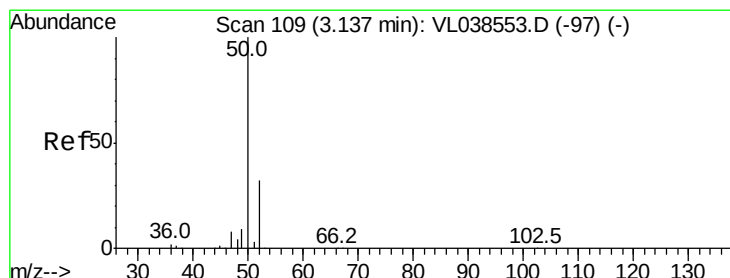
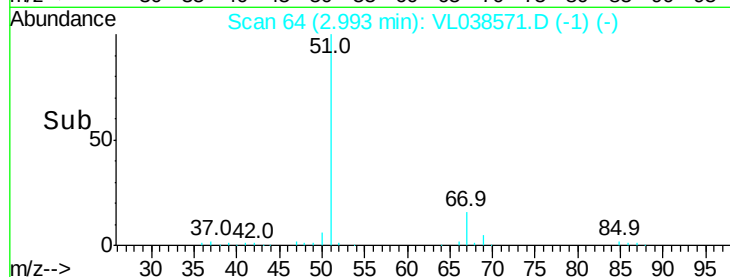
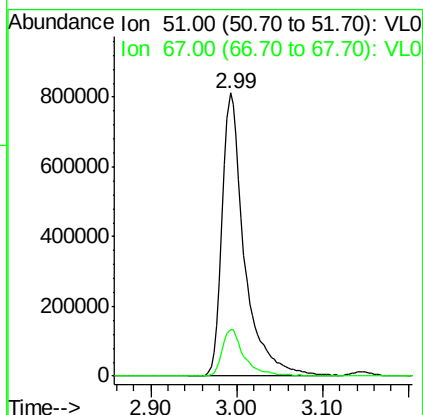
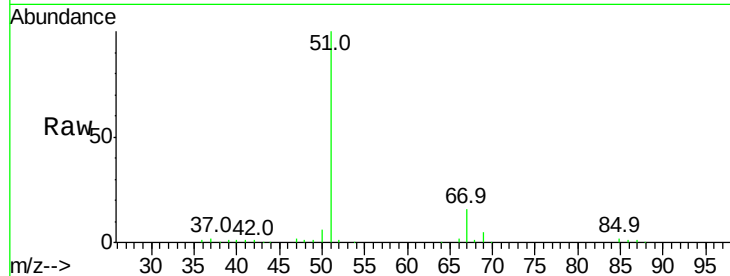
Ion 87.00 (86.70 to 87.70): VL0





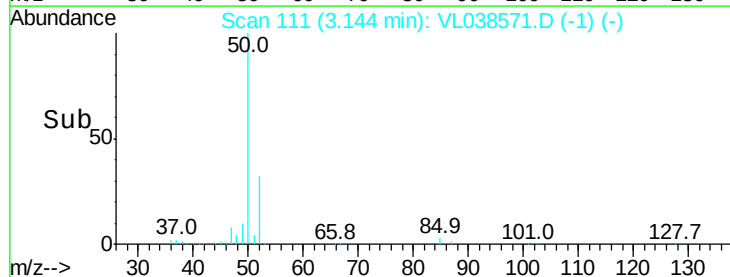
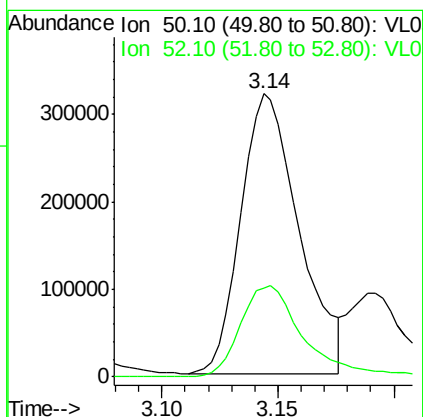
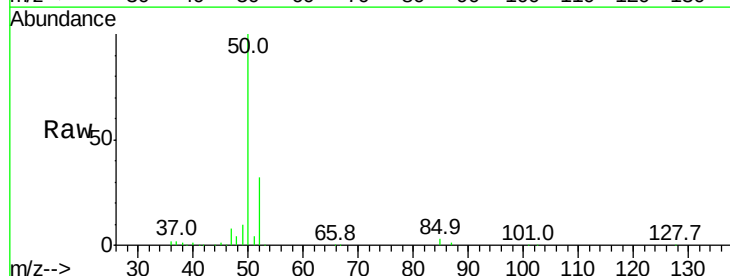
#3
 Chlorodifluoromethane
 Concen: 9.18 ppbv
 RT: 2.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

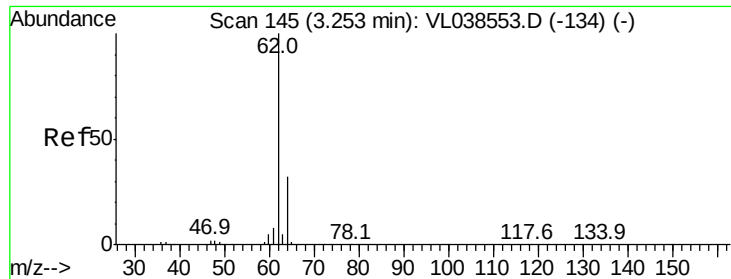
Tgt Ion: 51 Resp: 1468466
 Ion Ratio Lower Upper
 51 100
 67 16.6 13.6 20.4



#4
 Chloromethane
 Concen: 9.48 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion: 50 Resp: 562173
 Ion Ratio Lower Upper
 50 100
 52 31.7 25.6 38.4





#5

Vinyl Chloride

Concen: 9.23 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VSTDCCC010

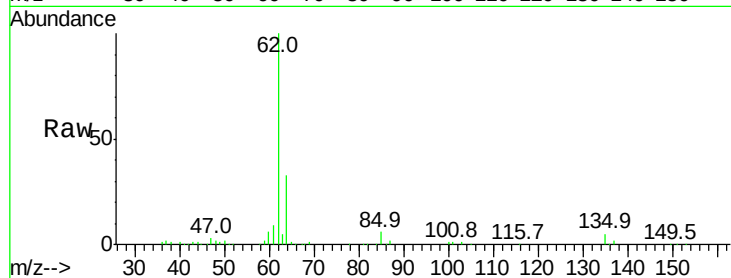
Acq: 9 Mar 2022 10:23

Tgt Ion: 62 Resp: 549873

Ion Ratio Lower Upper

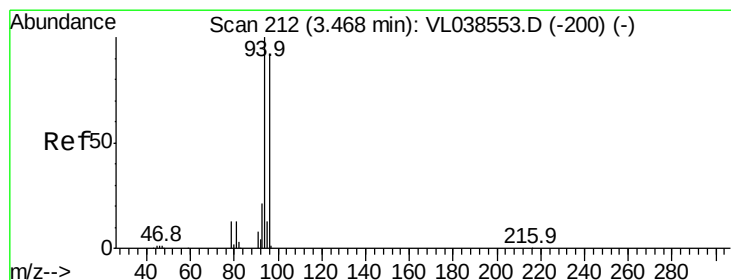
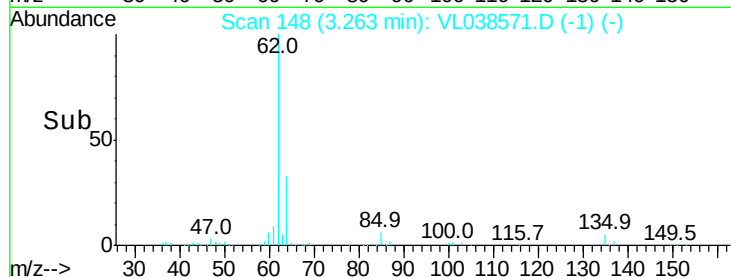
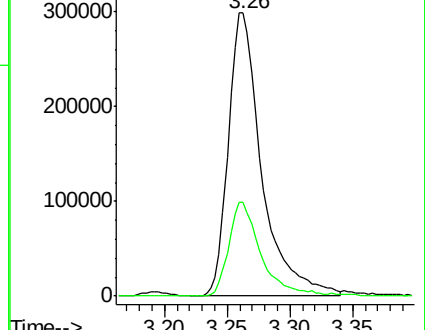
62 100

64 33.4 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.81 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL038571.D

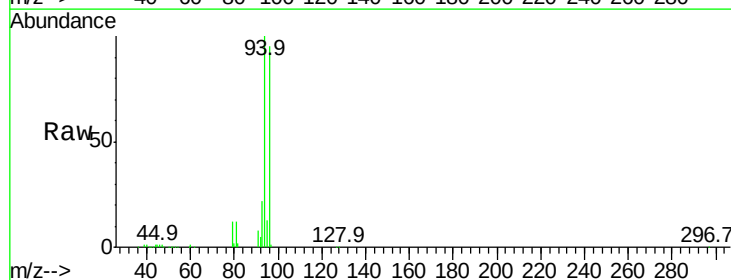
Acq: 9 Mar 2022 10:23

Tgt Ion: 94 Resp: 313541

Ion Ratio Lower Upper

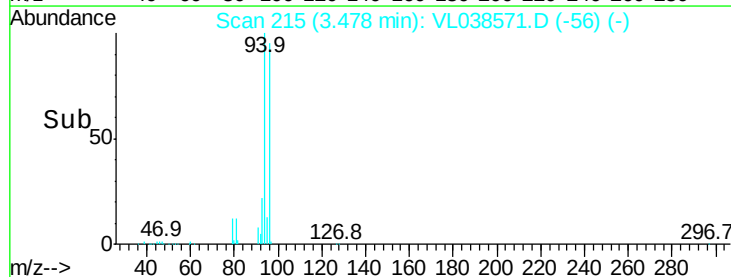
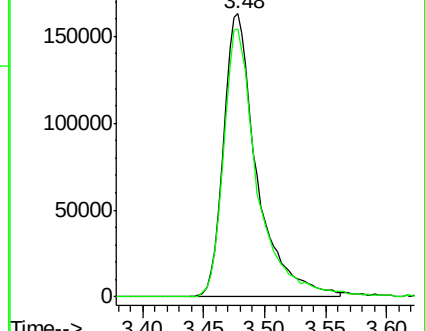
94 100

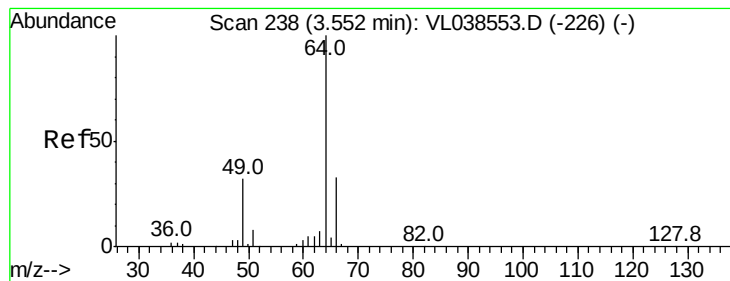
96 94.9 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.00 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

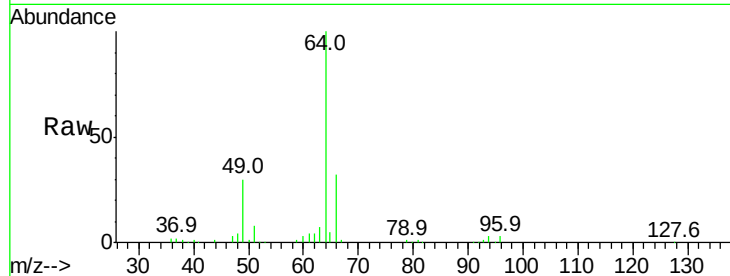
Acq: 9 Mar 2022 10:23 VSTDCCC010

Tgt Ion: 64 Resp: 192846

Ion Ratio Lower Upper

64 100

66 32.4 26.6 39.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

120000

100000

80000

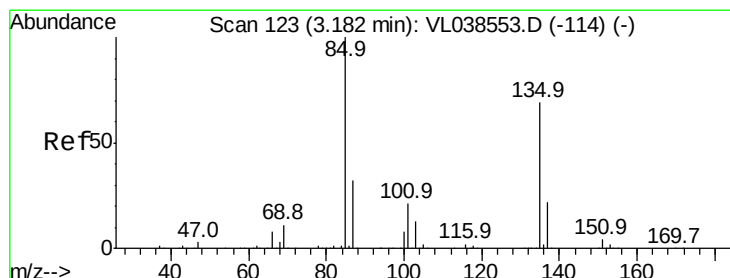
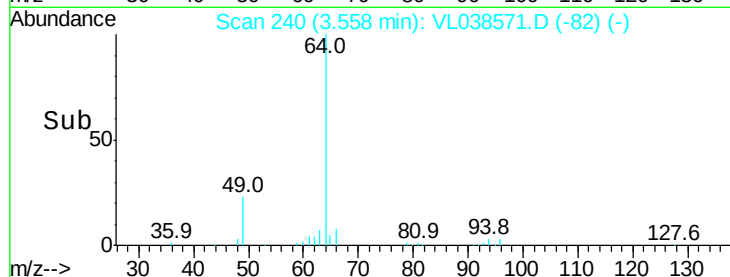
60000

40000

20000

0

Time--> 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.79 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL038571.D

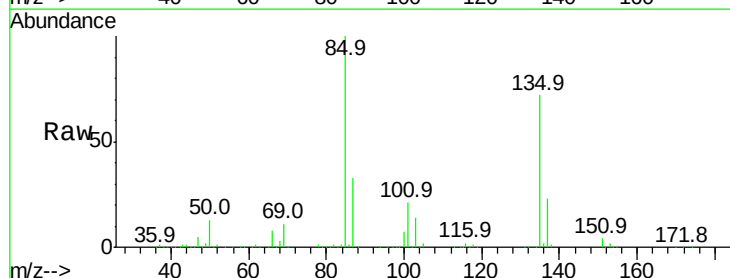
Acq: 9 Mar 2022 10:23

Tgt Ion: 85 Resp: 1301214

Ion Ratio Lower Upper

85 100

135 73.5 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

800000

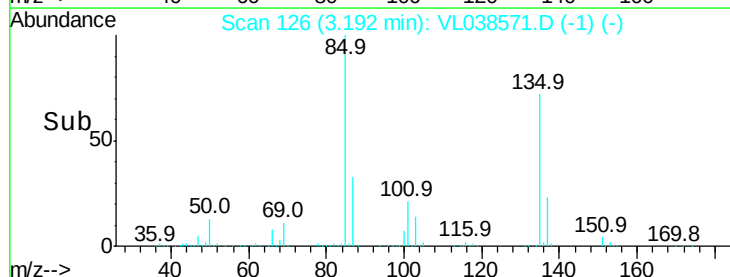
600000

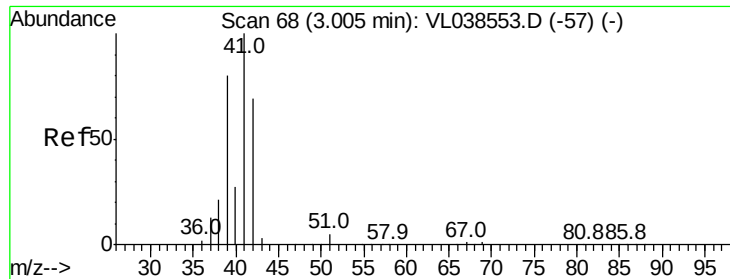
400000

200000

0

Time--> 3.10 3.20 3.30





#9

Propene

Concen: 9.34 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VSTDCCC010

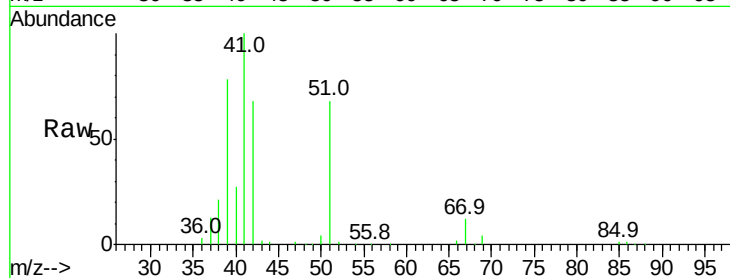
Acq: 9 Mar 2022 10:23

Tgt Ion: 41 Resp: 527473

Ion Ratio Lower Upper

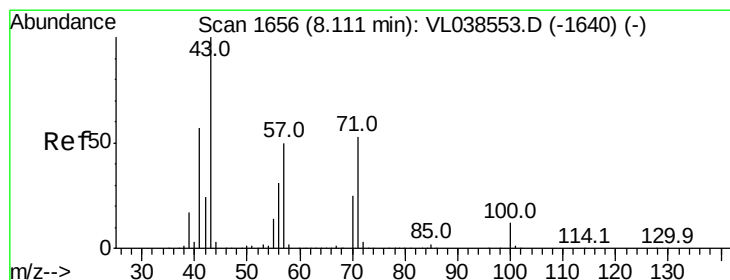
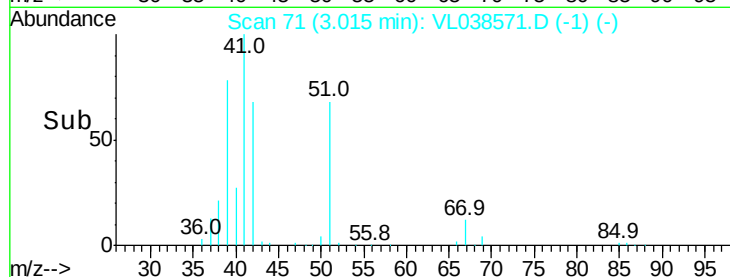
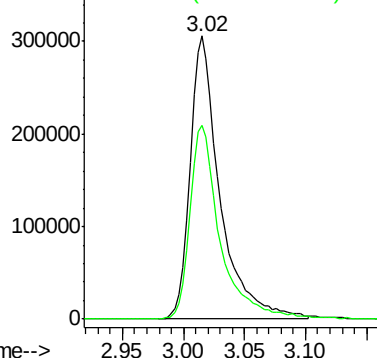
41 100

42 69.7 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.88 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VL038571.D

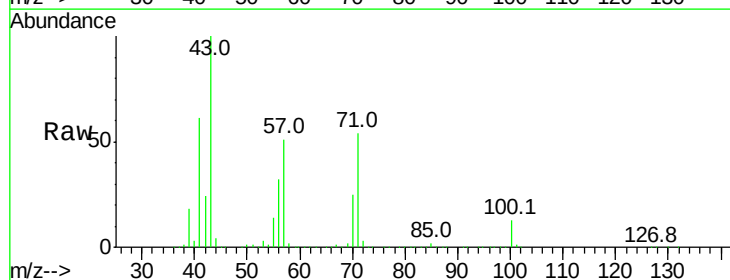
Acq: 9 Mar 2022 10:23

Tgt Ion: 43 Resp: 1334151

Ion Ratio Lower Upper

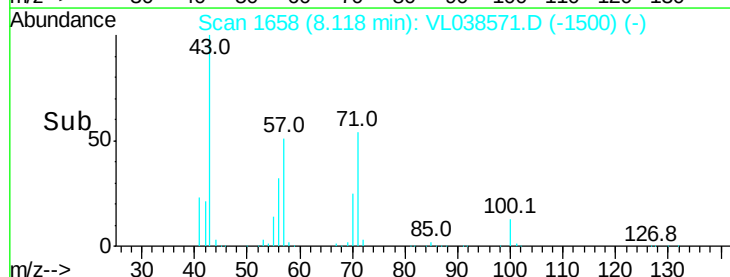
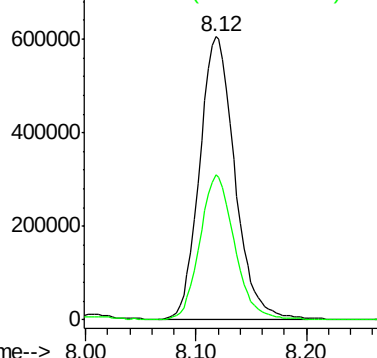
43 100

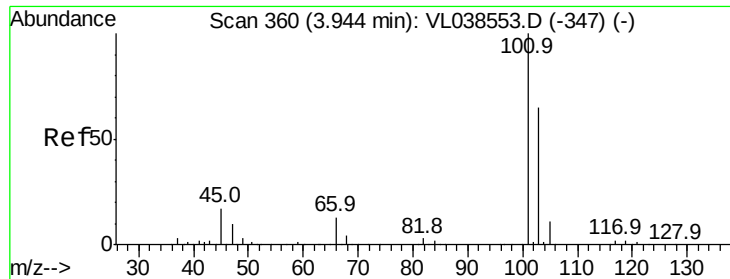
57 50.8 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

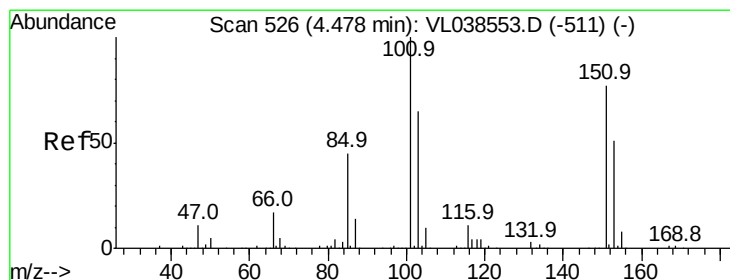
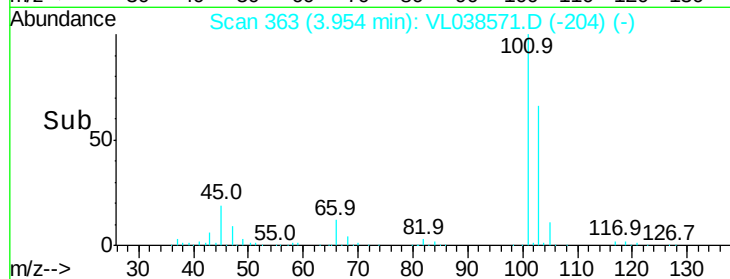
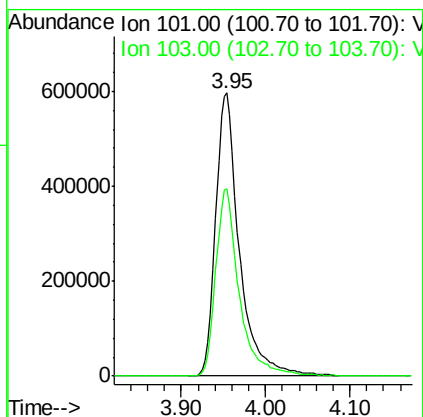
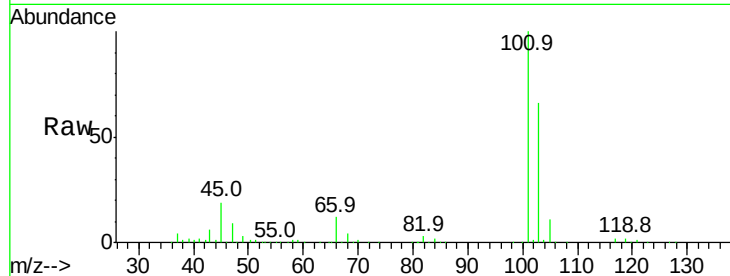
Ion 57.10 (56.80 to 57.80): VL0





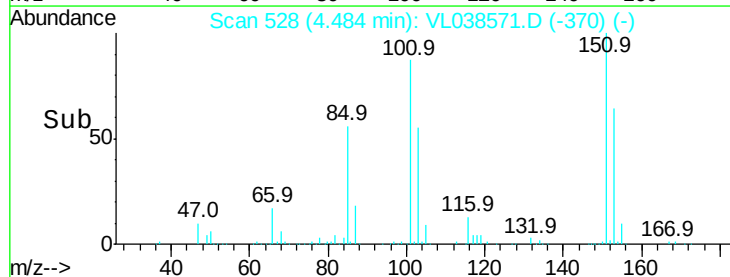
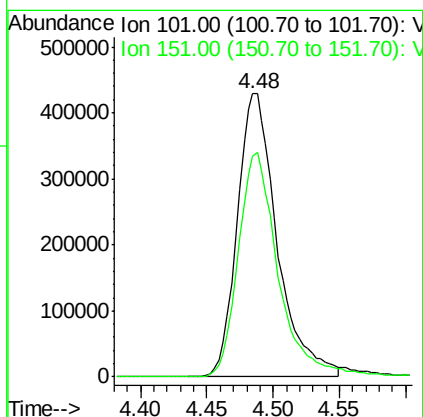
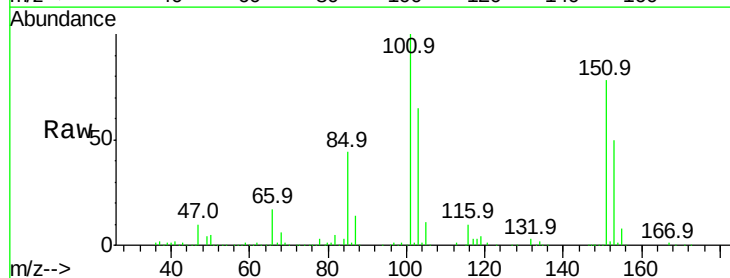
#11
 Trichlorofluoromethane
 Concen: 9.69 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 10:23

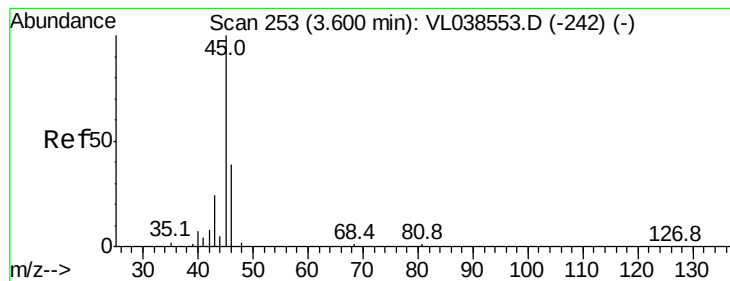
Tgt Ion:101 Resp: 1165216
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.62 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion:101 Resp: 898585
 Ion Ratio Lower Upper
 101 100
 151 80.2 63.4 95.0





#13

Ethanol

Concen: 8.42 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

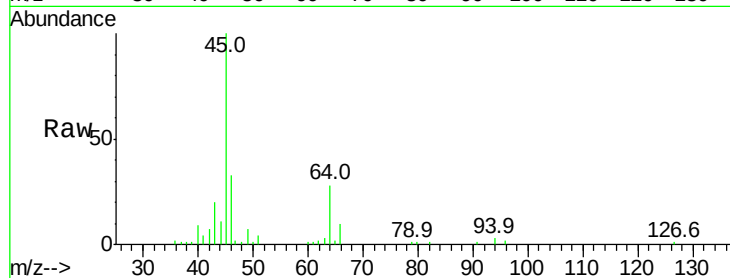
Acq: 9 Mar 2022 10:23 VSTDCCC010

Tgt Ion: 45 Resp: 54653

Ion Ratio Lower Upper

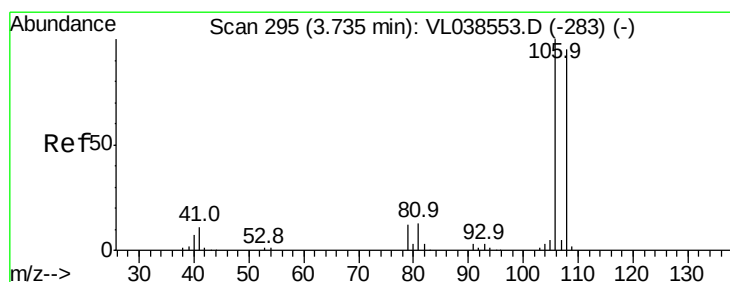
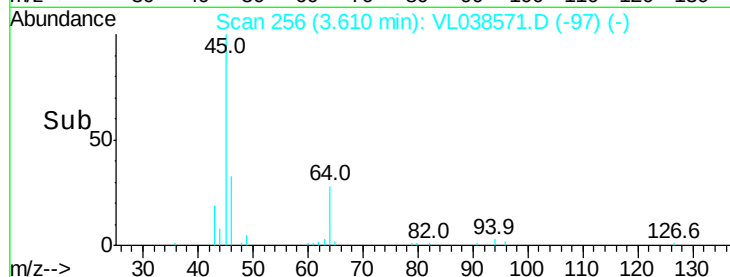
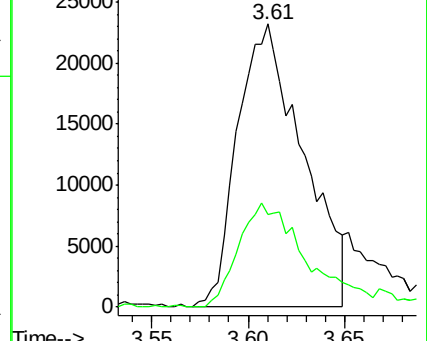
45 100

46 43.0 16.8 67.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.25 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

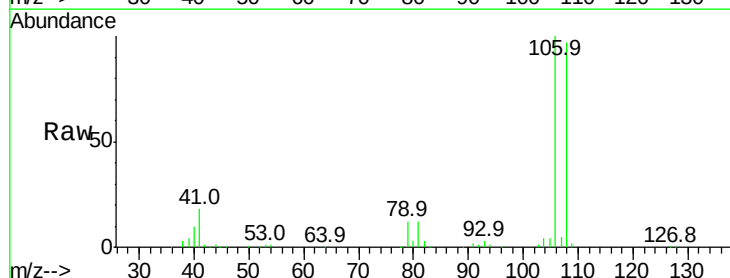
Tgt Ion: 108 Resp: 408275

Ion Ratio Lower Upper

108 100

106 108.1 85.9 128.9

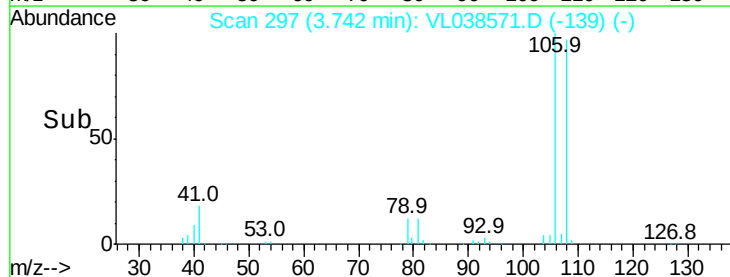
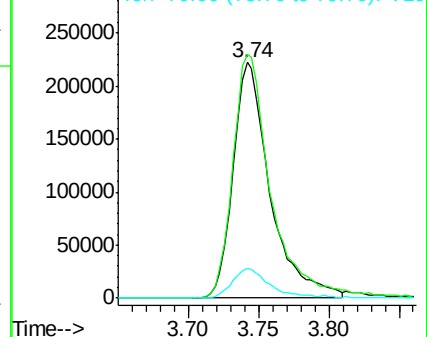
79 13.3 11.0 16.6

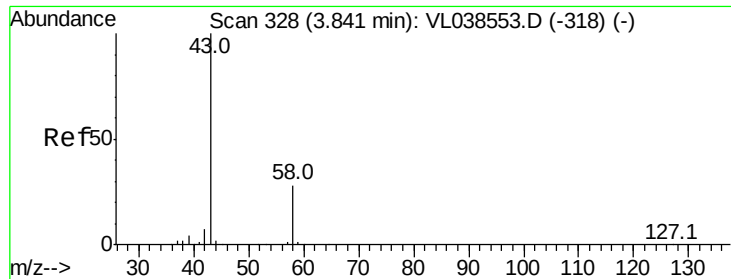


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 10.19 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

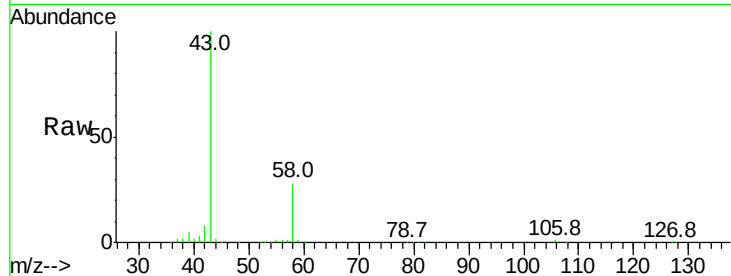
Acq: 9 Mar 2022 10:23 VSTDCCC010

Tgt Ion: 43 Resp: 652517

Ion Ratio Lower Upper

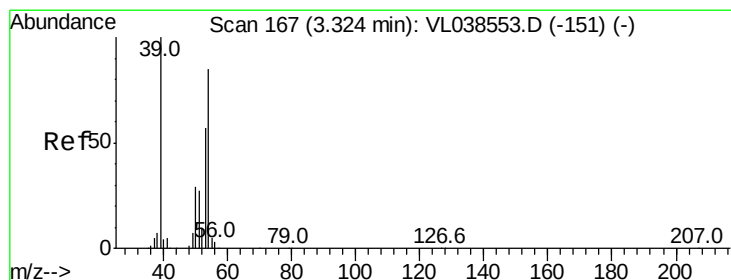
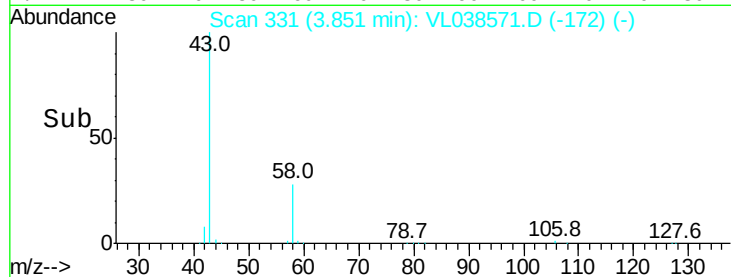
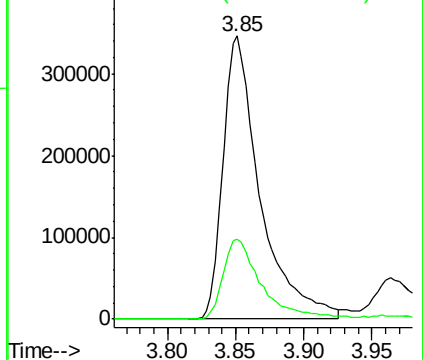
43 100

58 29.2 22.7 34.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.69 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL038571.D

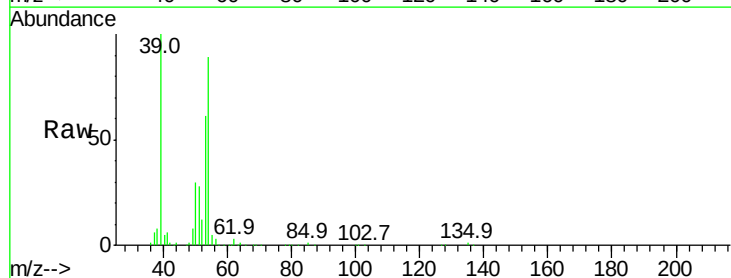
Acq: 9 Mar 2022 10:23

Tgt Ion: 39 Resp: 498682

Ion Ratio Lower Upper

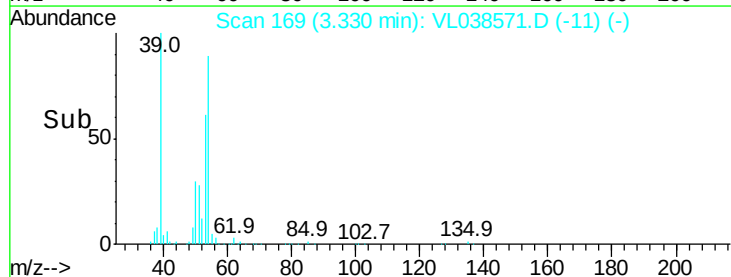
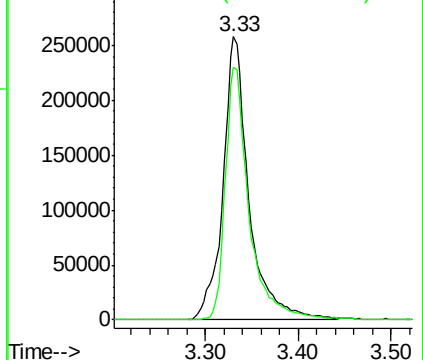
39 100

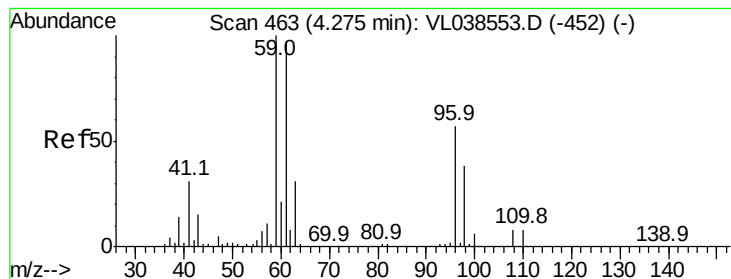
54 82.8 64.2 96.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.21 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

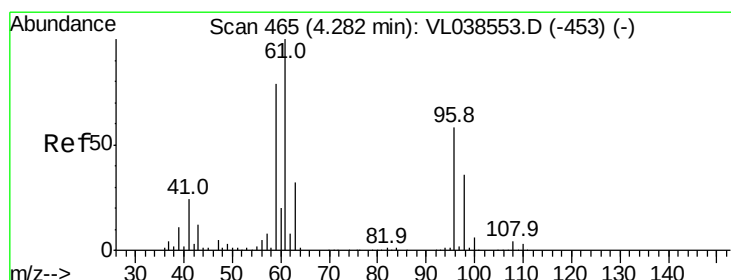
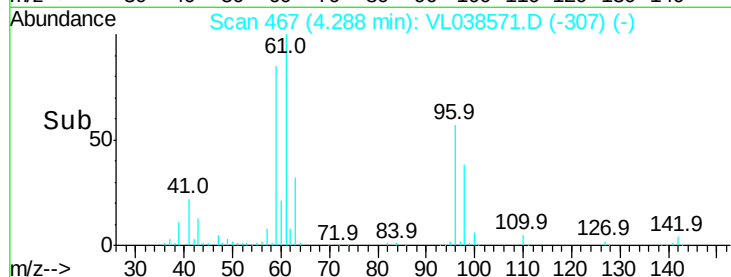
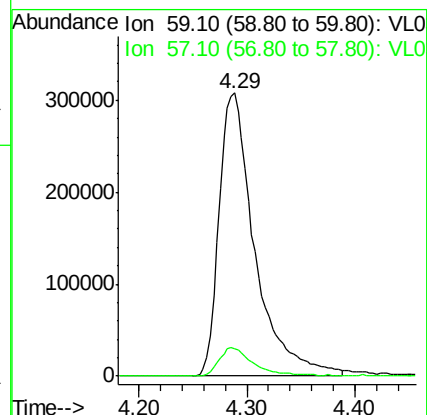
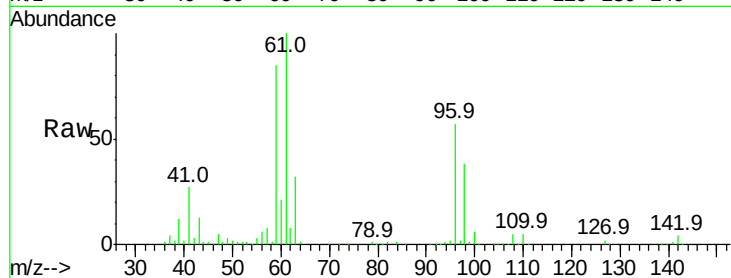
Acq: 9 Mar 2022 10:23

Tgt Ion: 59 Resp: 709974

Ion Ratio Lower Upper

59 100

57 9.9 8.1 12.1



#18

1,1-Dichloroethene

Concen: 9.72 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

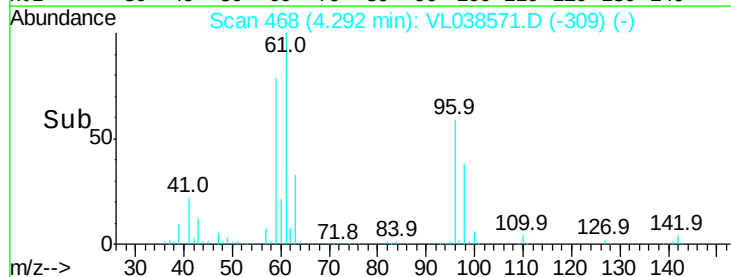
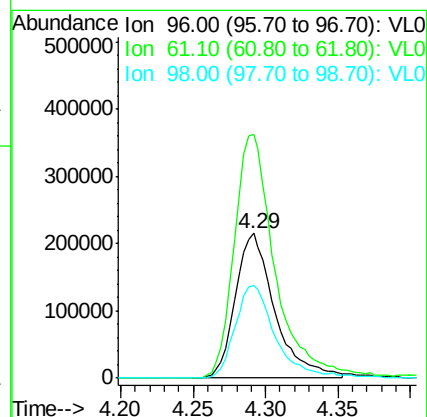
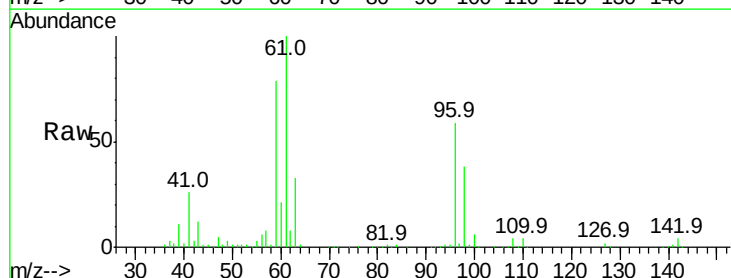
Tgt Ion: 96 Resp: 406386

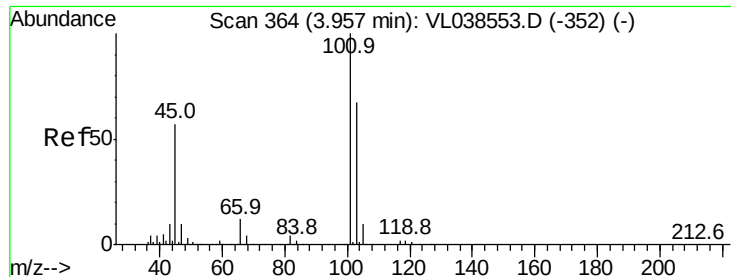
Ion Ratio Lower Upper

96 100

61 168.4 137.4 206.0

98 63.9 49.3 73.9





#19

Isopropyl Alcohol

Concen: 9.57 ppbv

RT: 3.97

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

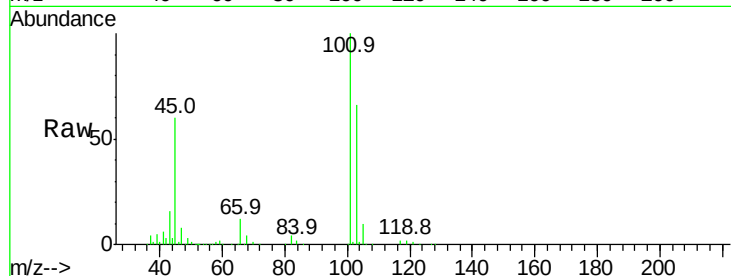
Acq: 9 Mar 2022 10:23

Tgt Ion: 45 Resp: 408928

Ion Ratio Lower Upper

45 100

58 4.1 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

200000

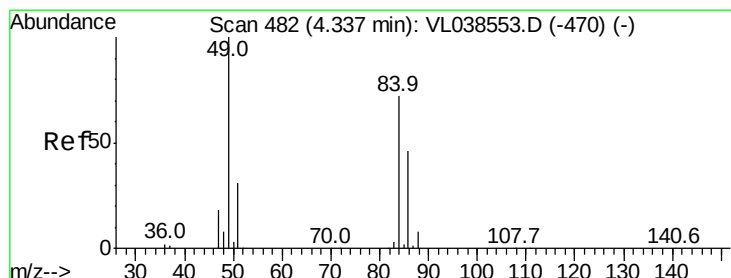
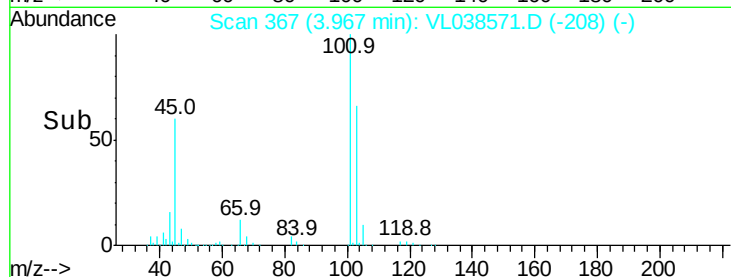
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.90 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

Tgt Ion: 84 Resp: 342829

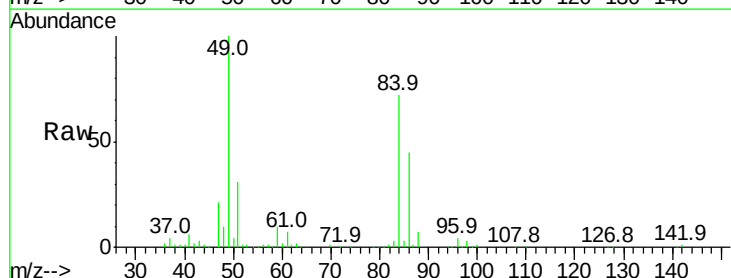
Ion Ratio Lower Upper

84 100

49 136.5 111.1 166.7

51 41.4 34.0 51.0

86 62.6 50.9 76.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

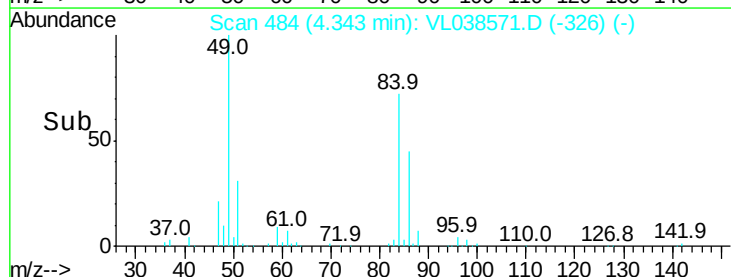
300000

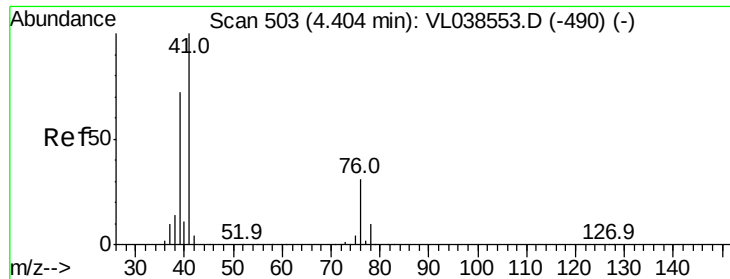
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 9.88 ppbv

RT: 4.41

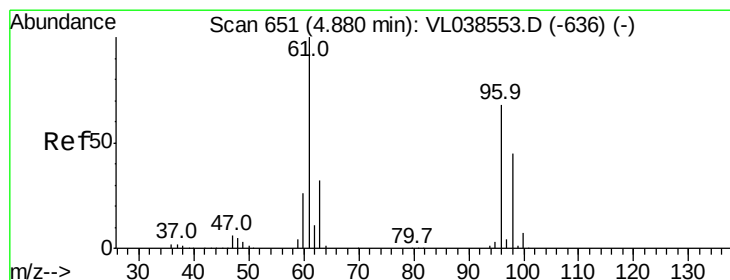
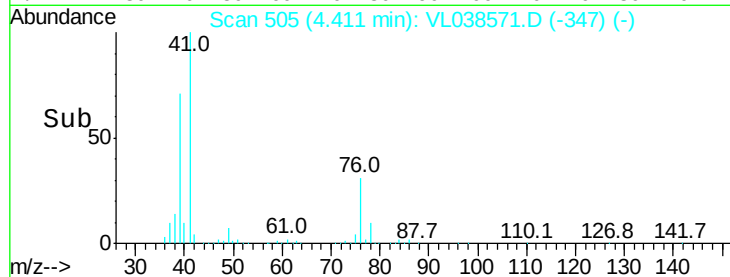
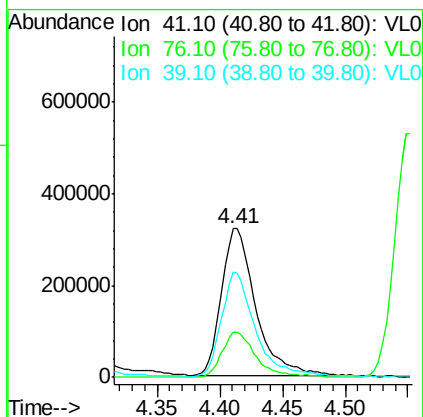
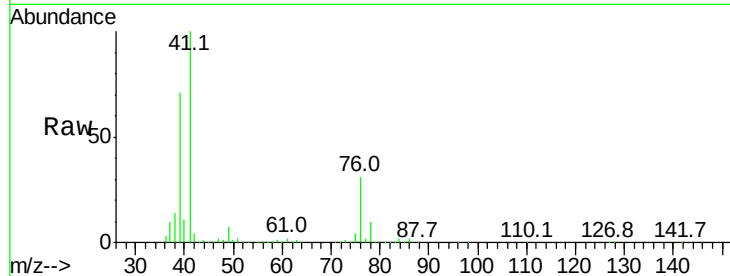
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 10:23

Tgt Ion: 41 Resp: 609603

Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.3	36.5
39	70.2	57.1	85.7



#22

trans-1,2-Dichloroethene

Concen: 10.27 ppbv

RT: 4.89 min Scan# 653

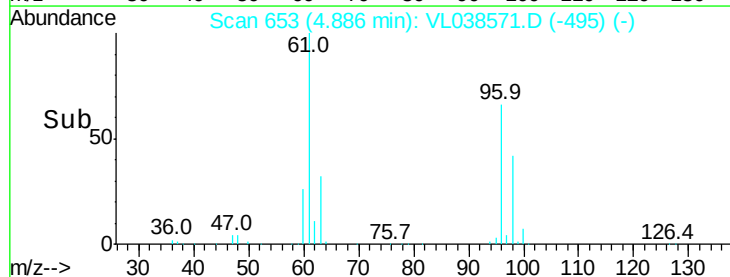
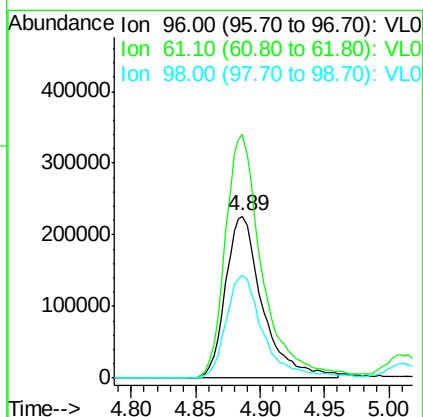
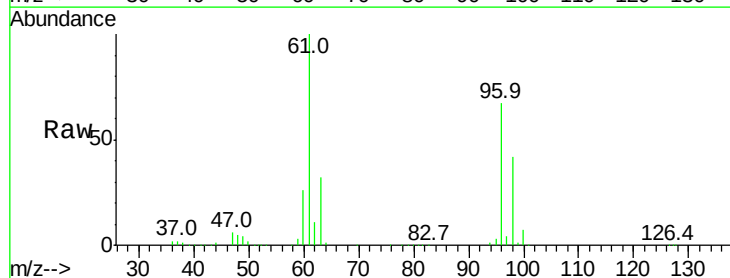
Delta R.T. 0.01 min

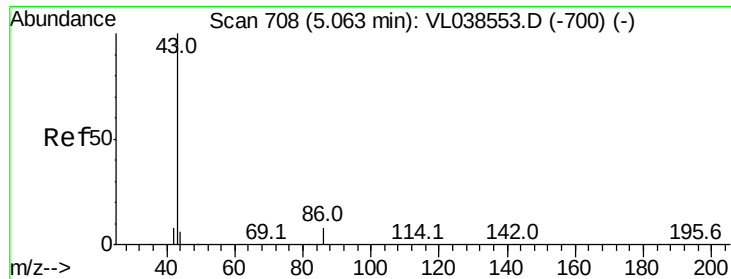
Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

Tgt Ion: 96 Resp: 450356

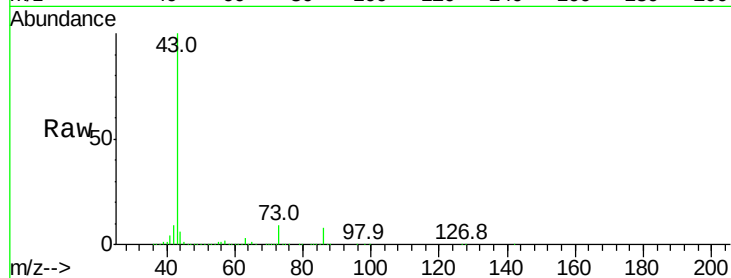
Ion	Ratio	Lower	Upper
96	100		
61	149.8	117.6	176.4
98	63.6	52.6	78.8



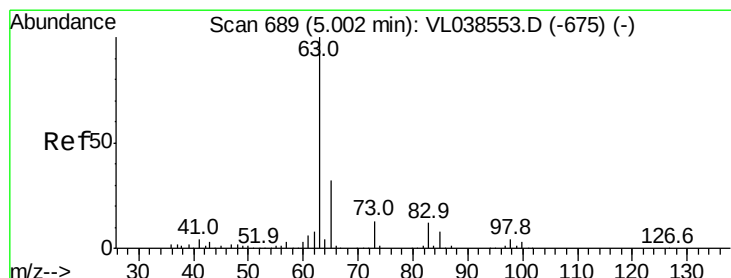
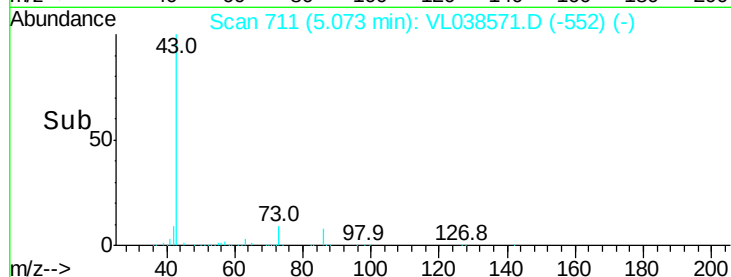
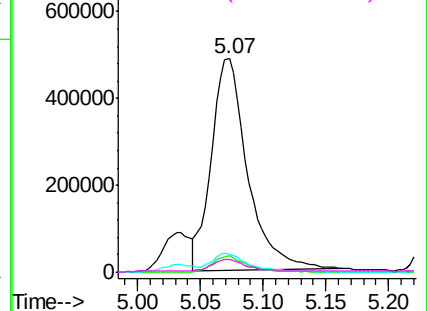


#23
 Vinyl Acetate
 Concen: 10.70 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 10:23

Tgt Ion:	43	Resp:	982265
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.6	8.4
42	8.4	7.1	10.7
44	5.3	4.1	6.1

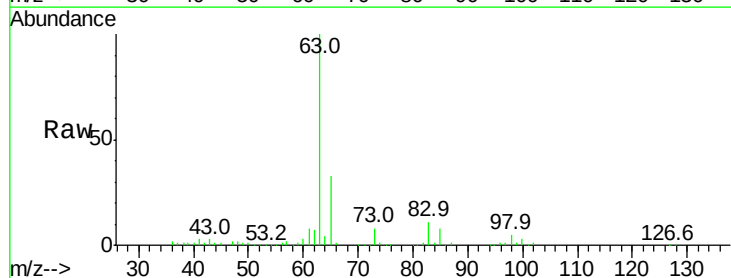


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

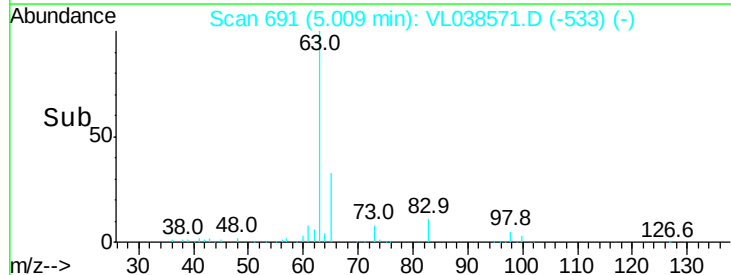
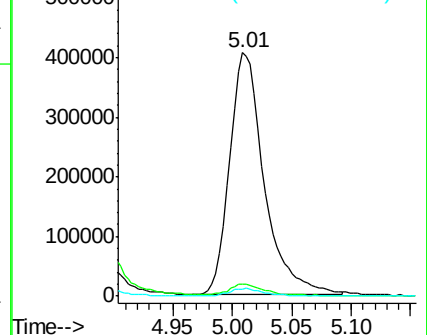


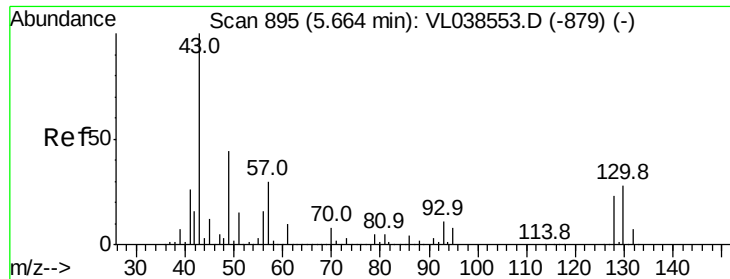
#24
 1,1-Dichloroethane
 Concen: 9.85 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion:	63	Resp:	821754
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	3.0	1.5	4.5



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

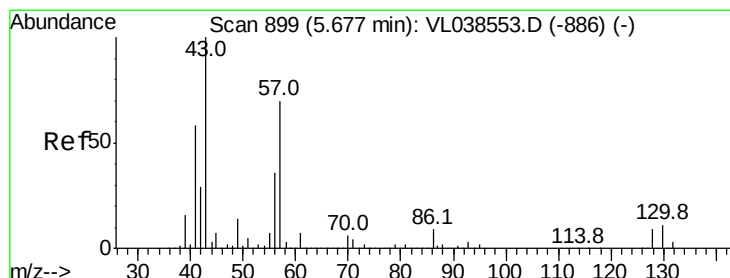
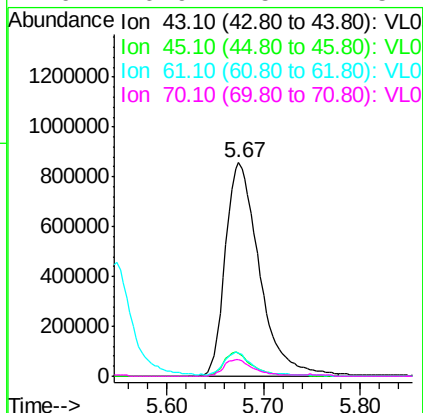
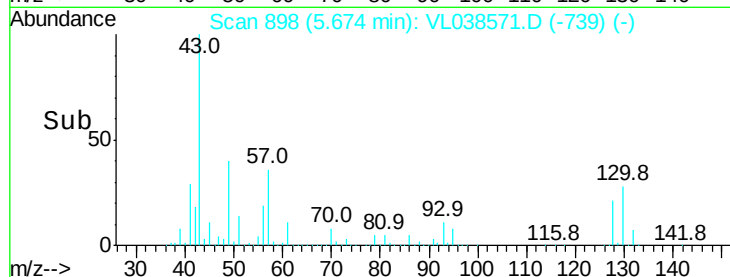
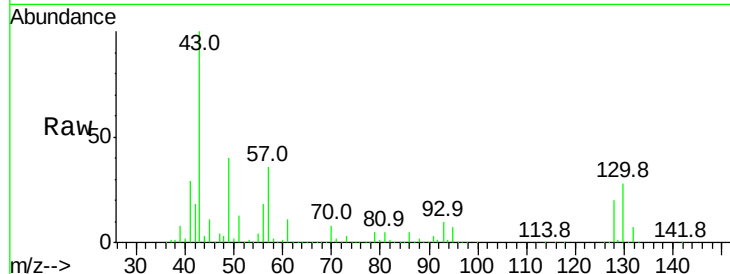




#25
Ethyl Acetate
Concen: 9.73 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 9 Mar 2022 10:23

Tgt Ion: 43 Resp: 2097408

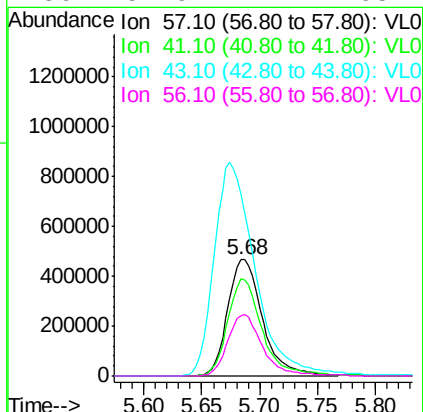
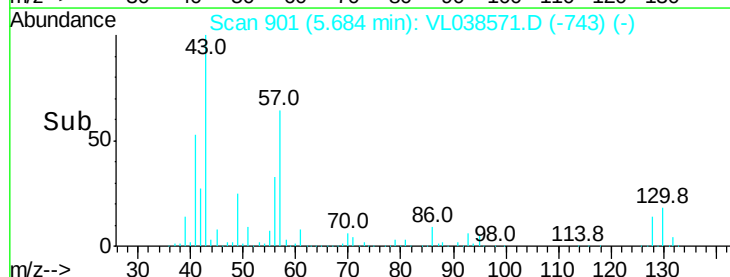
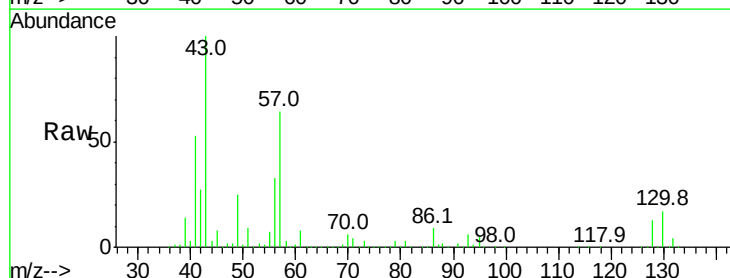
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.9	8.2	12.4
70	6.9	5.4	8.2

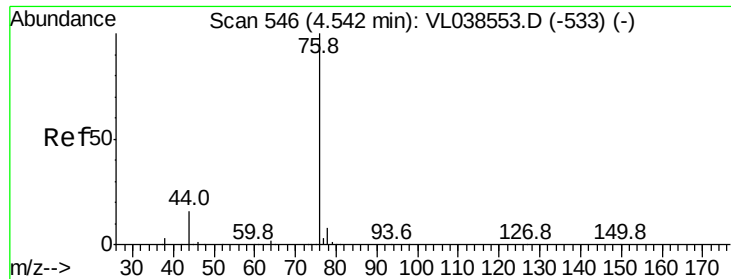


#26
Hexane
Concen: 9.65 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

Tgt Ion: 57 Resp: 977012

Ion	Ratio	Lower	Upper
57	100		
41	83.6	67.8	101.6
43	216.7	173.6	260.4
56	52.9	42.2	63.2





#27

Carbon Disulfide

Concen: 10.82 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 9 Mar 2022 10:23

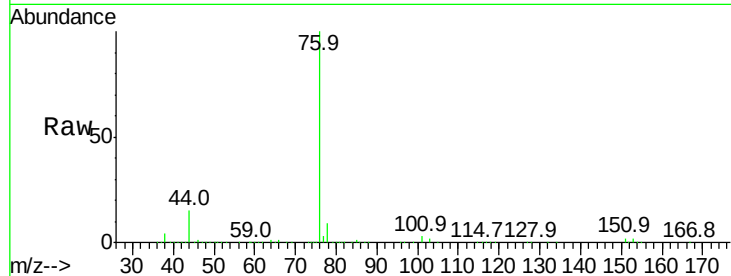
Tgt Ion: 76 Resp: 1091427

Ion	Ratio	Lower	Upper
76	100		
44	15.0	12.9	19.3
78	9.3	7.8	11.6

76 100

44 15.0 12.9 19.3

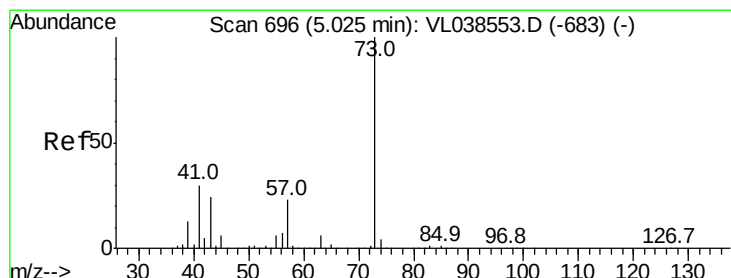
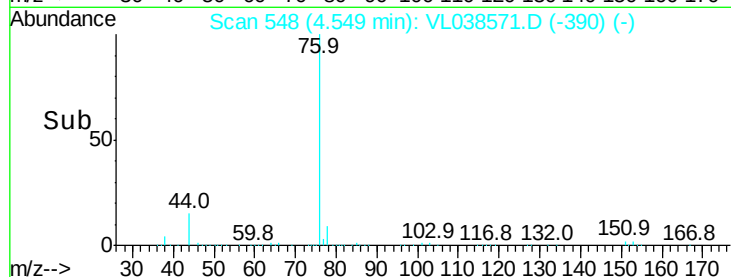
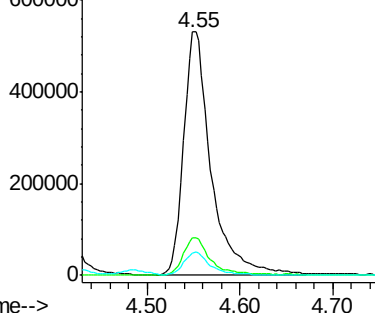
78 9.3 7.8 11.6



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: 9.97 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL038571.D

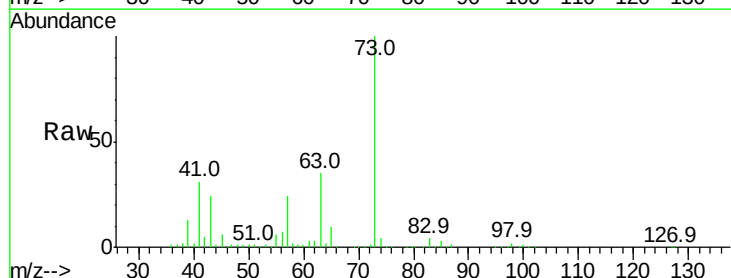
Acq: 9 Mar 2022 10:23

Tgt Ion: 73 Resp: 821362

Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.8	28.2

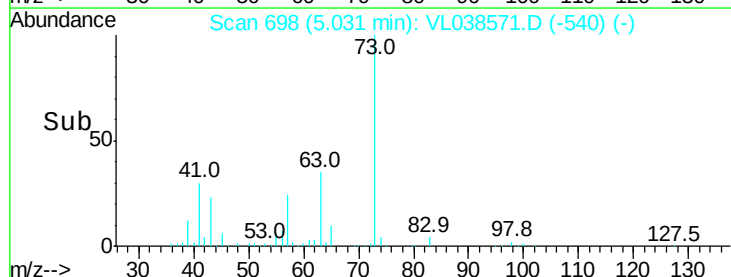
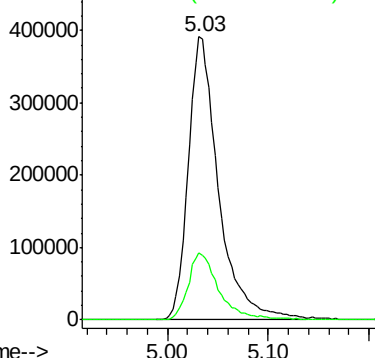
73 100

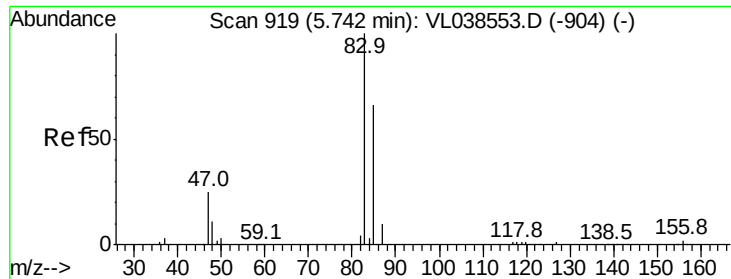
57 24.2 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

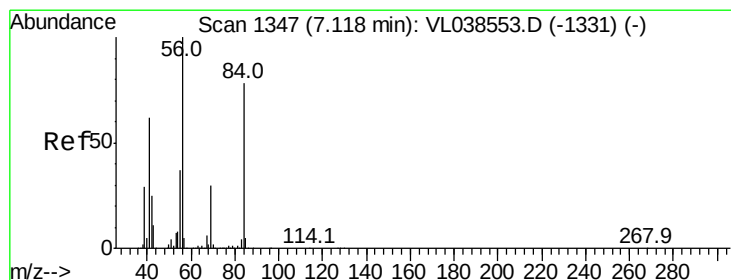
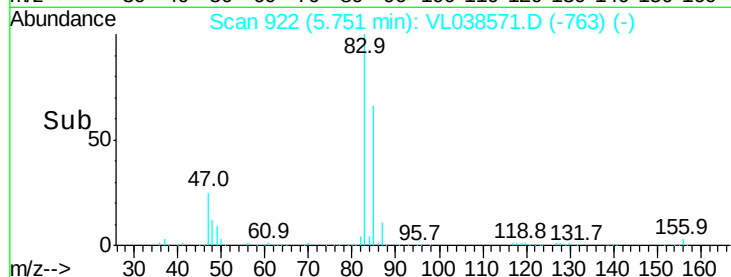
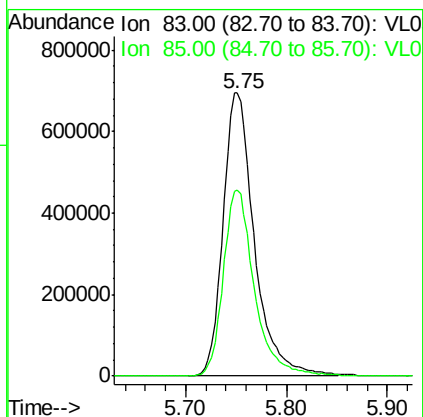
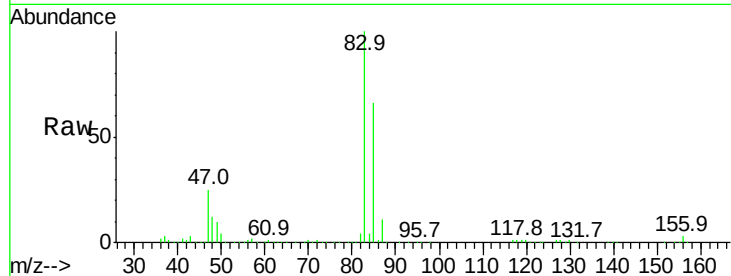
Ion 57.10 (56.80 to 57.80): VL0





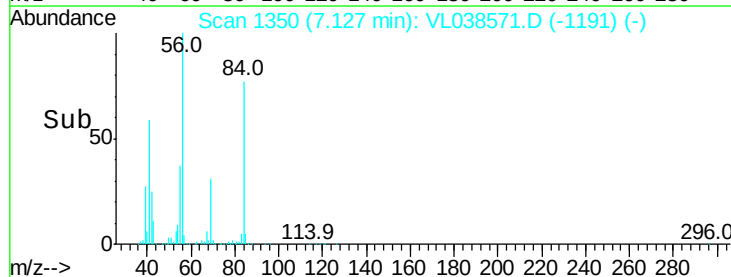
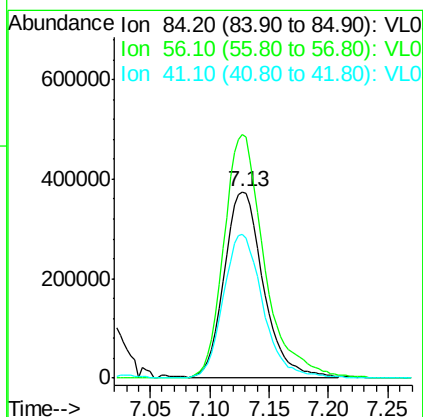
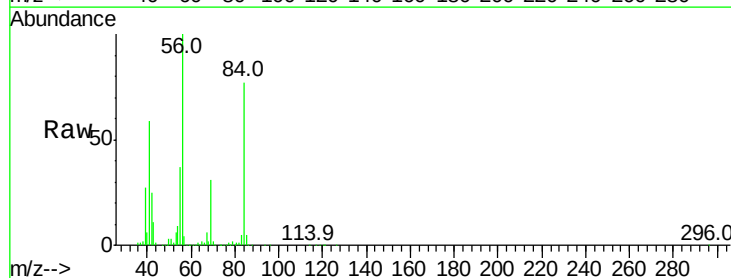
#29
Chloroform
Concen: 9.57 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 10:23

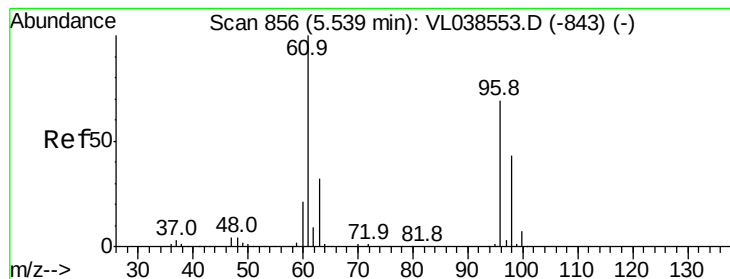
Tgt Ion: 83 Resp: 1508537
Ion Ratio Lower Upper
83 100
85 65.7 52.8 79.2



#30
Cyclohexane
Concen: 9.83 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

Tgt Ion: 84 Resp: 860480
Ion Ratio Lower Upper
84 100
56 134.9 111.4 167.0
41 77.3 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 9.64 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 9 Mar 2022 10:23

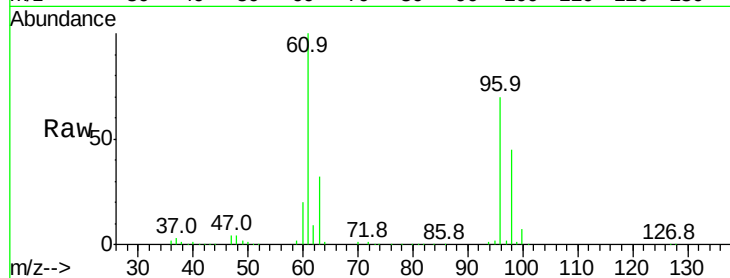
Tgt Ion: 61 Resp: 933289

Ion Ratio Lower Upper

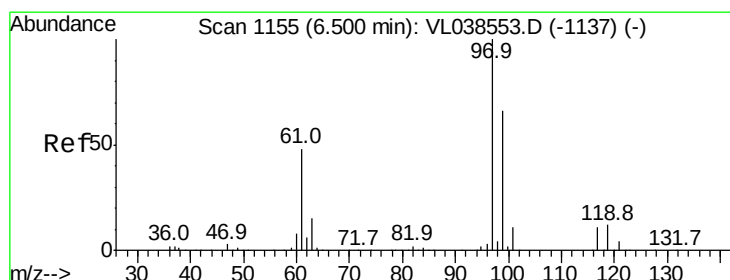
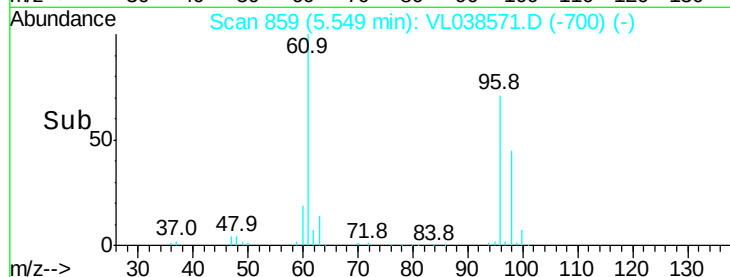
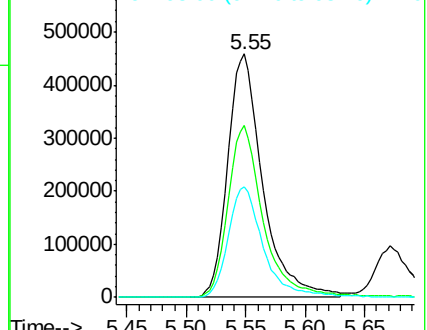
61 100

96 70.3 55.2 82.8

98 45.1 34.2 51.4



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



#32

1,1,1-Trichloroethane

Concen: 9.47 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

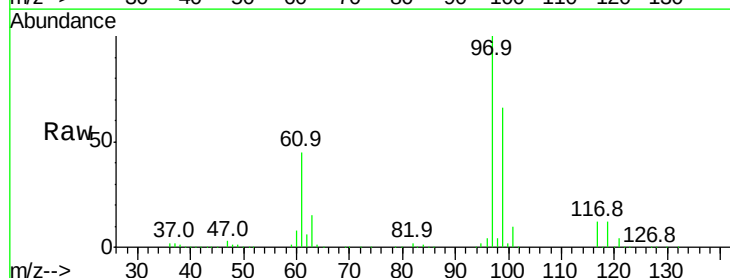
Tgt Ion: 97 Resp: 1447227

Ion Ratio Lower Upper

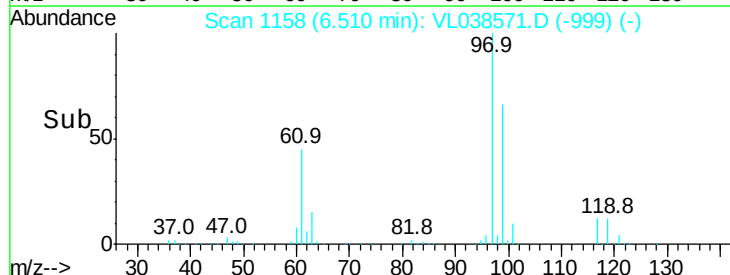
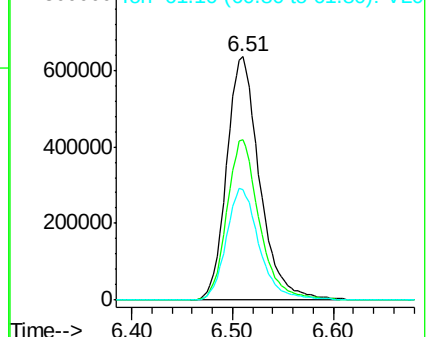
97 100

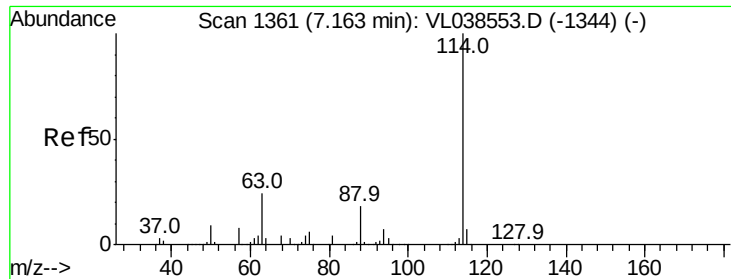
99 65.2 52.1 78.1

61 45.9 37.7 56.5



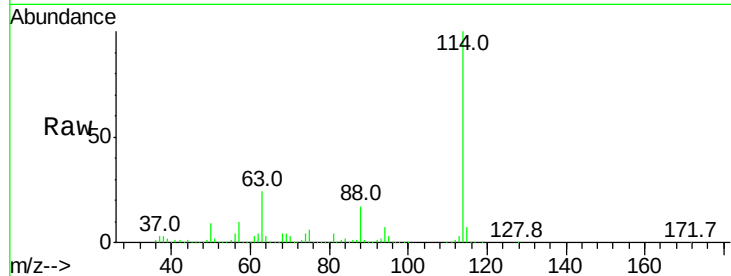
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



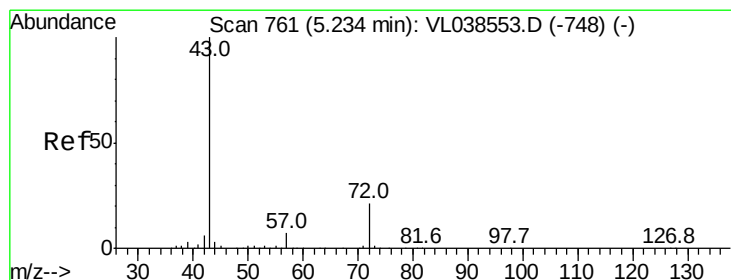
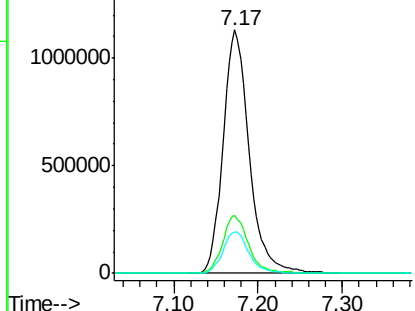
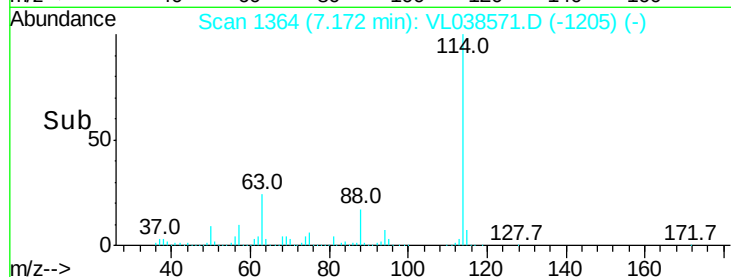


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

Tgt Ion: 114 Resp: 2429509
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.6 29.4
 88 17.1 13.9 20.9

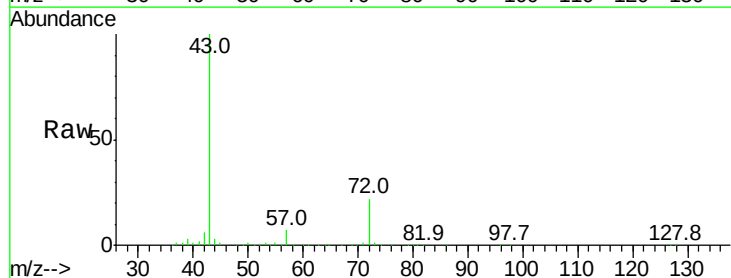


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

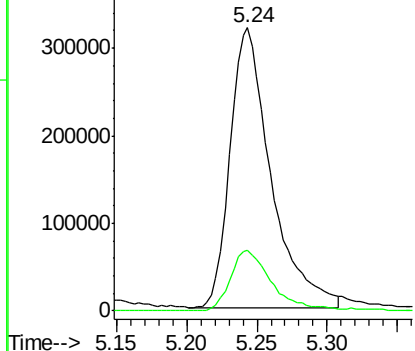
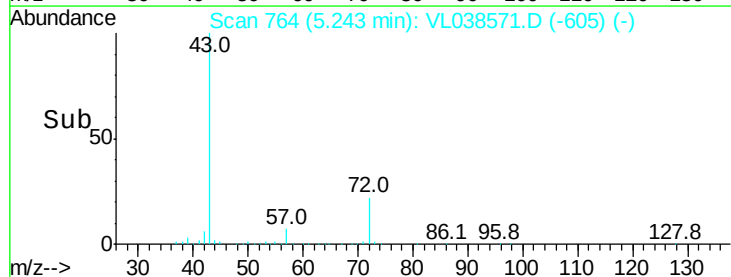


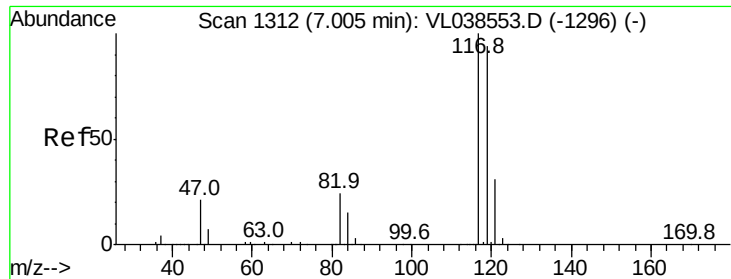
#34
 2-Butanone
 Concen: 10.28 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion: 43 Resp: 647111
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.8 26.6



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

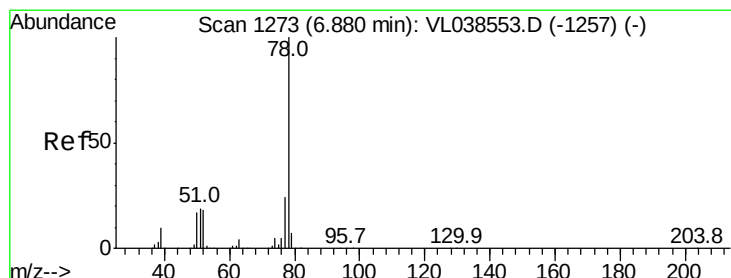
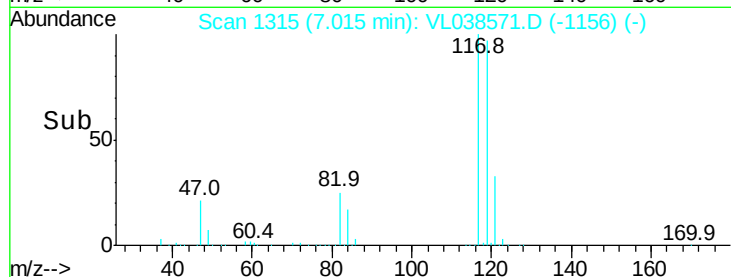
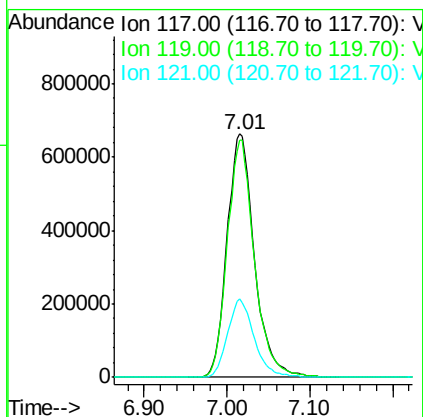
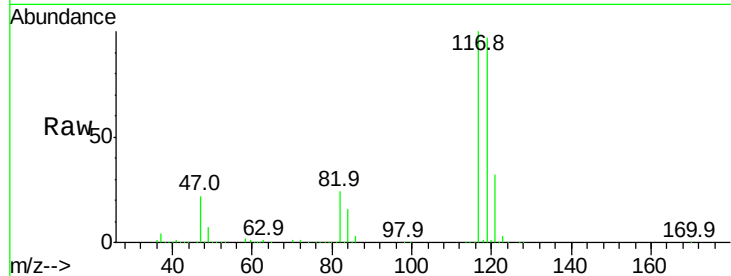




#35
Carbon Tetrachloride
Concen: 9.17 ppbv
RT: 7.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 10:23

Tgt Ion: 117 Resp: 1520018

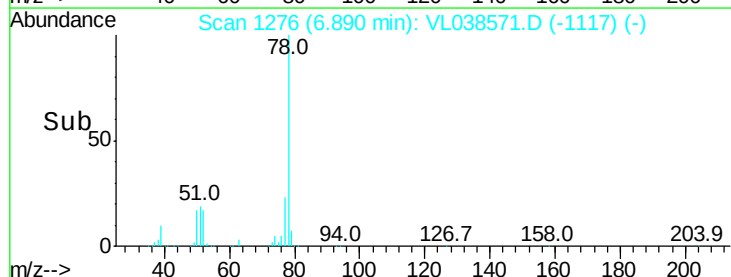
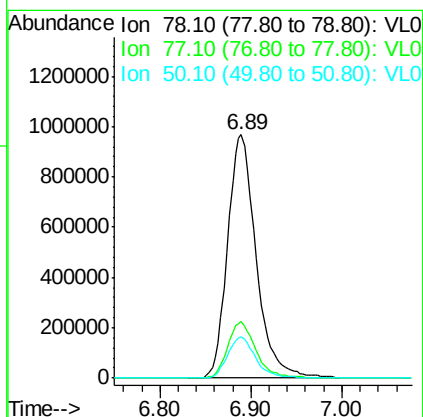
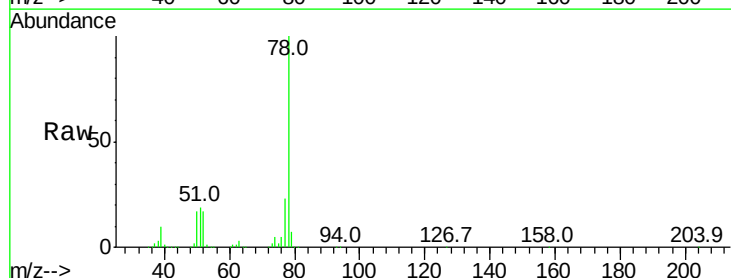
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.2	112.8
121	32.2	24.8	37.2

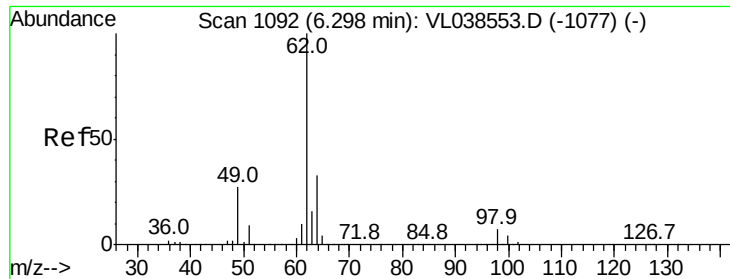


#36
Benzene
Concen: 9.62 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

Tgt Ion: 78 Resp: 2108973

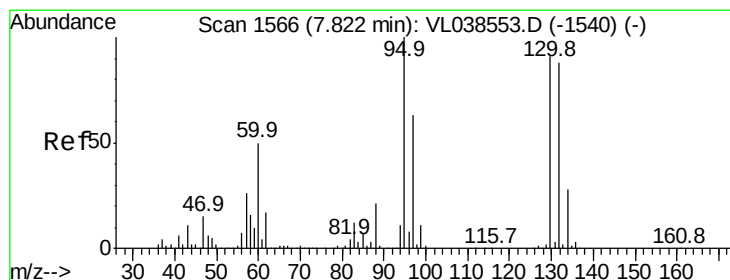
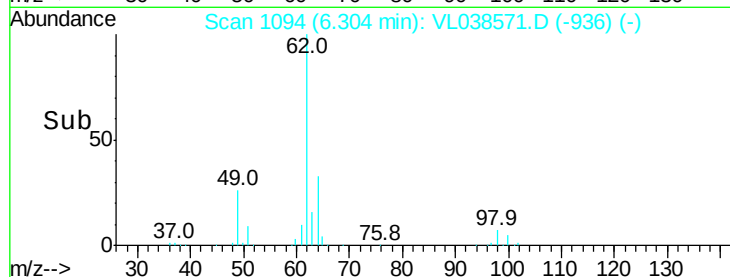
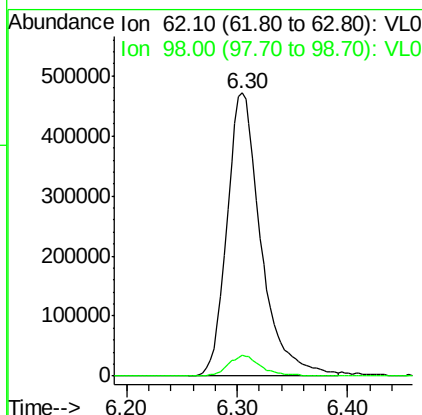
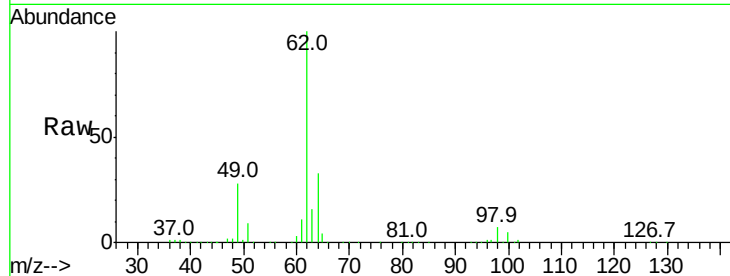
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4
50	16.8	13.9	20.9





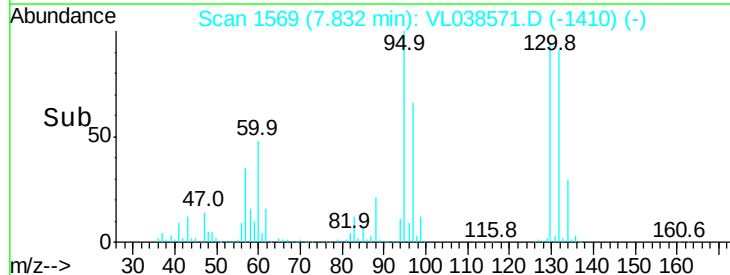
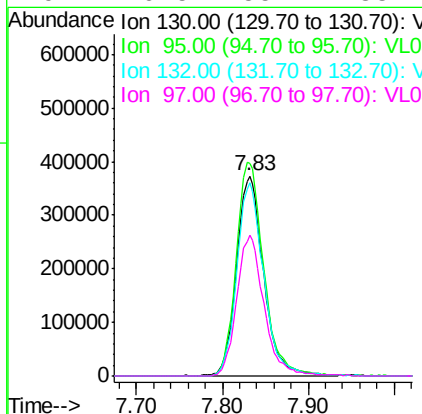
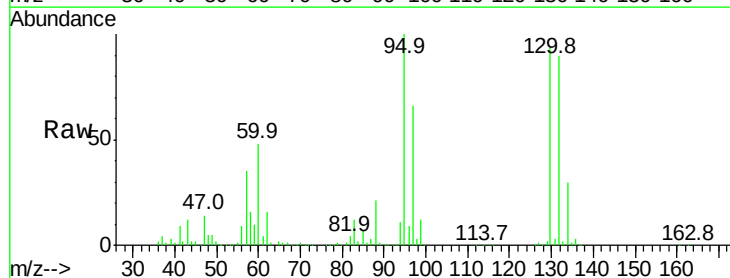
#37
 1,2-Dichloroethane
 Concen: 9.58 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 10:23

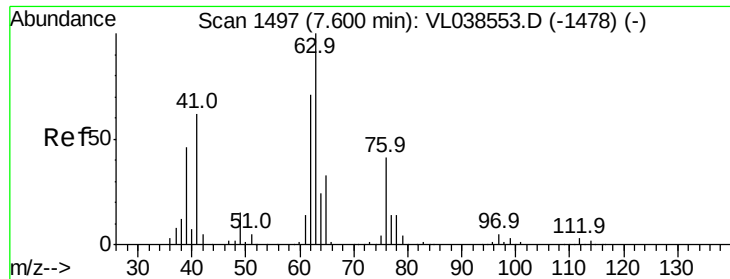
Tgt Ion: 62 Resp: 1004169
 Ion Ratio Lower Upper
 62 100
 98 7.4 5.7 8.5



#38
 Trichloroethene
 Concen: 9.27 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

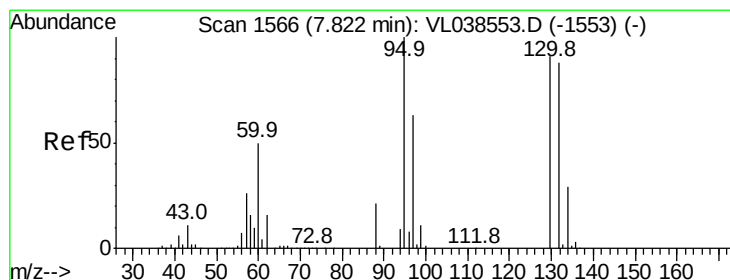
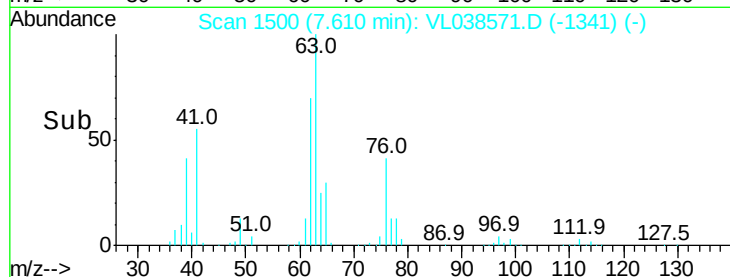
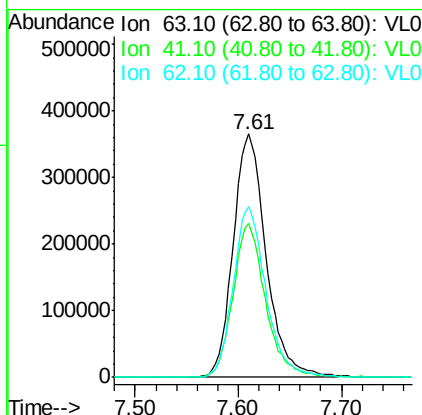
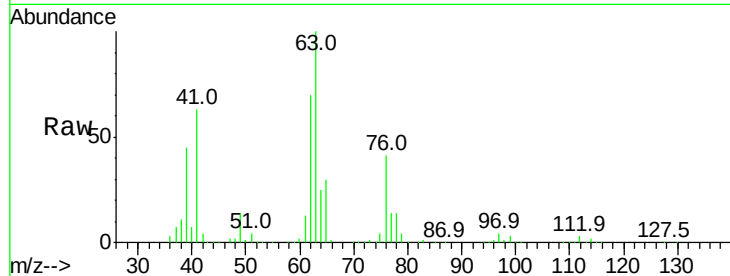
Tgt Ion: 130 Resp: 812050
 Ion Ratio Lower Upper
 130 100
 95 106.7 87.8 131.8
 132 96.5 77.5 116.3
 97 70.5 55.4 83.2





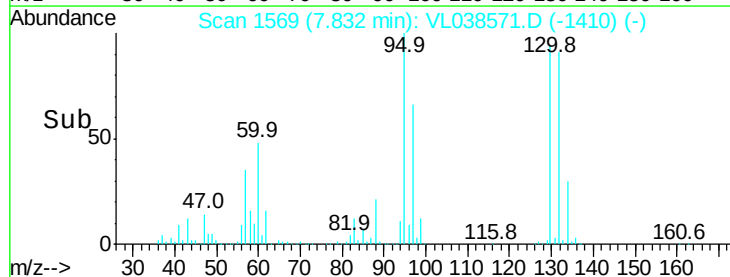
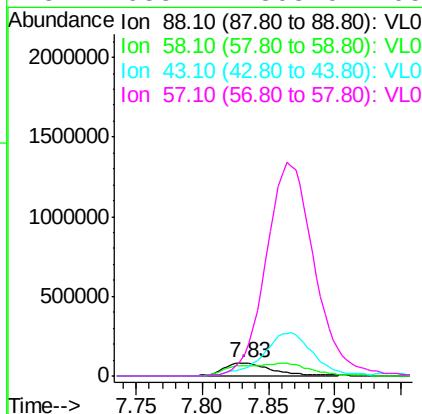
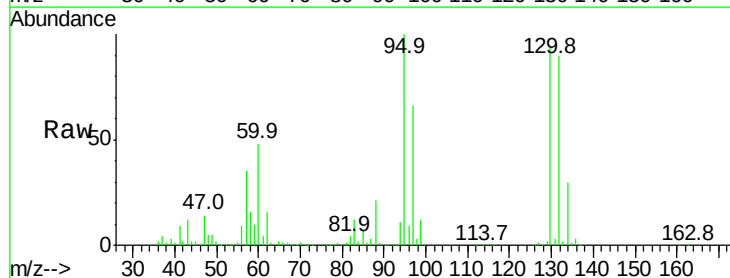
#39
 1,2-Dichloropropane
 Concen: 9.64 ppbv
 RT: 7.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

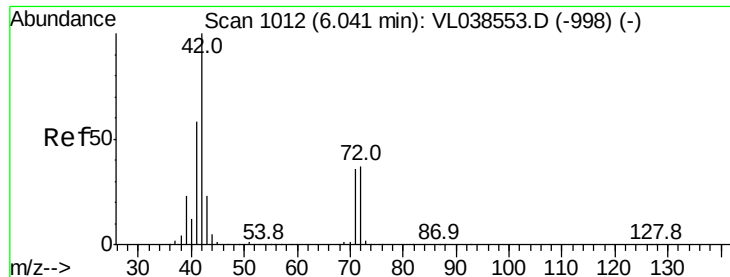
Tgt Ion: 63 Resp: 812589
 Ion Ratio Lower Upper
 63 100
 41 63.2 49.8 74.6
 62 70.1 56.7 85.1



#40
 1,4-Dioxane
 Concen: 9.98 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T.: 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion: 88 Resp: 210515
 Ion Ratio Lower Upper
 88 100
 58 152.9 126.7 190.1
 43 342.8 303.0 454.6
 57 1638.4 1368.6 2053.0





#41

Tetrahydrofuran

Concen: 9.72 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

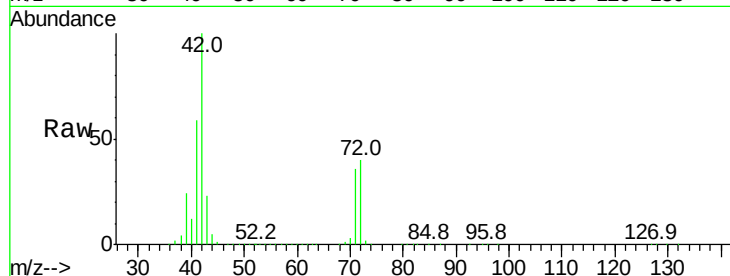
Tgt Ion: 42 Resp: 500868

Ion Ratio Lower Upper

42 100

72 39.0 30.9 46.3

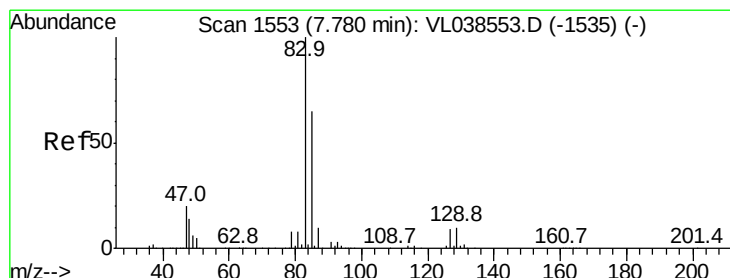
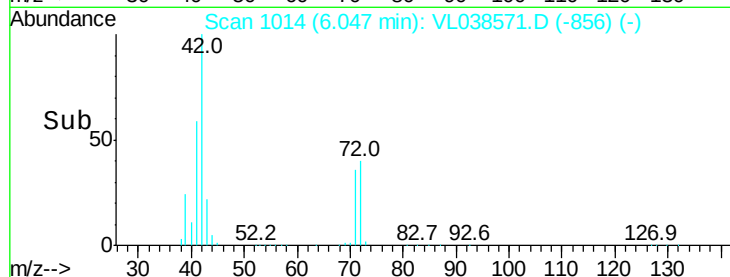
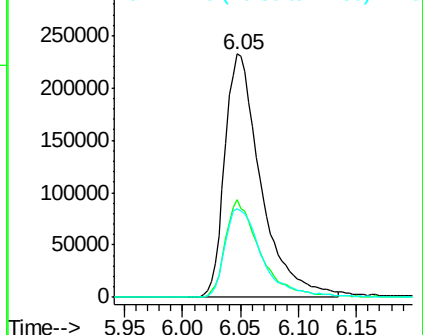
71 37.8 29.1 43.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.69 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

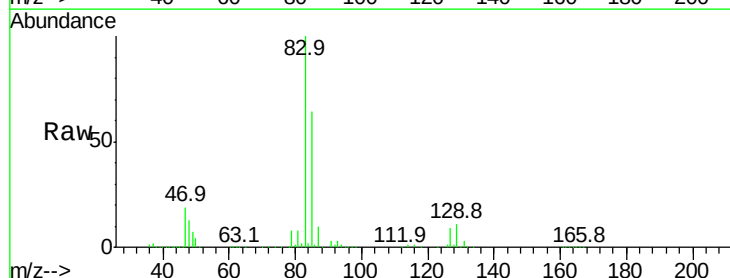
Tgt Ion: 83 Resp: 1609514

Ion Ratio Lower Upper

83 100

85 63.8 51.7 77.5

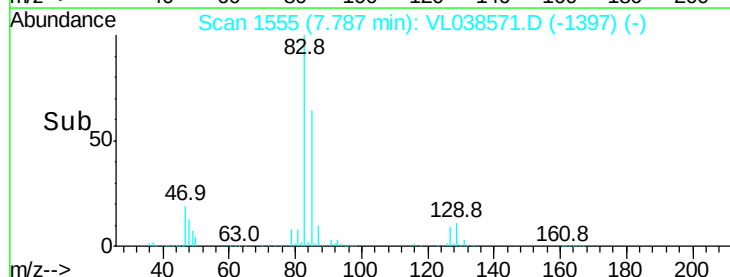
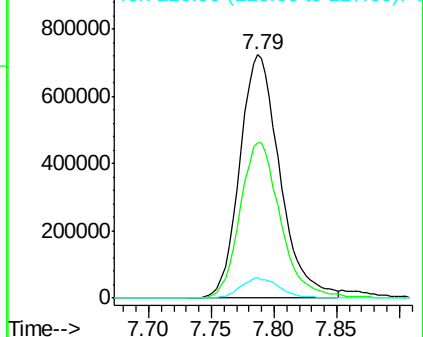
127 8.6 6.9 10.3

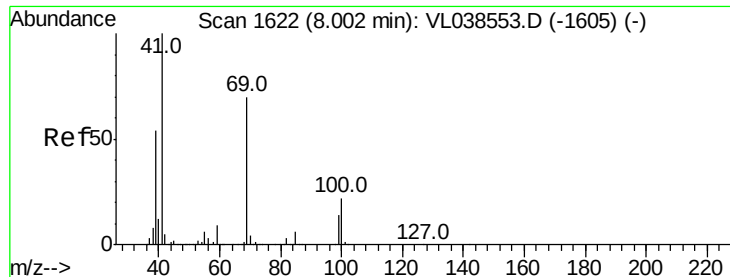


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.09 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

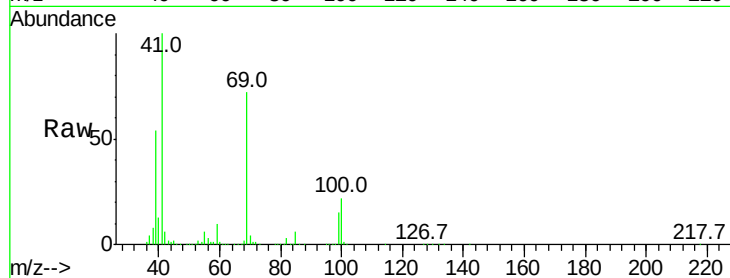
Tgt Ion: 69 Resp: 759363

Ion Ratio Lower Upper

69 100

41 138.6 113.8 170.6

100 30.8 24.4 36.6

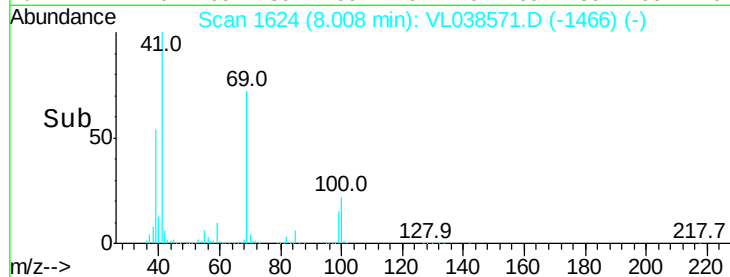


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

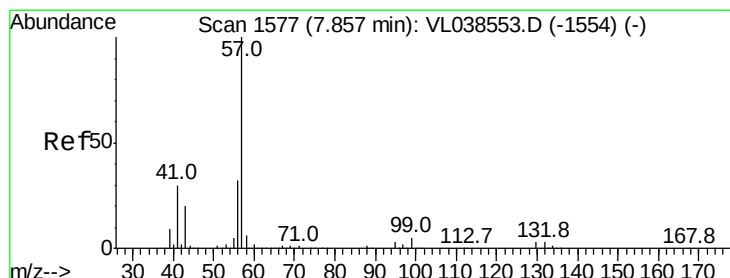
Ion 100.10 (99.80 to 100.80): VL0

Time-->



8.01

Time-->



#44

2,2,4-Trimethylpentane

Concen: 9.30 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

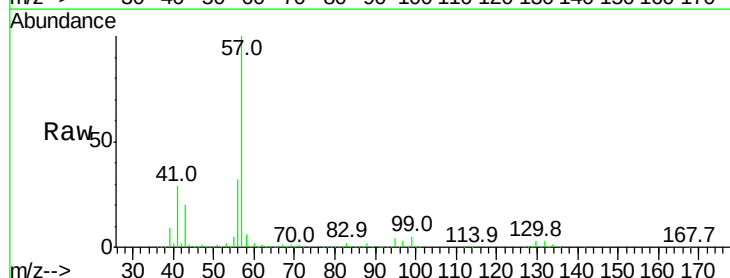
Tgt Ion: 57 Resp: 3446131

Ion Ratio Lower Upper

57 100

41 29.5 24.0 36.0

56 31.9 25.6 38.4

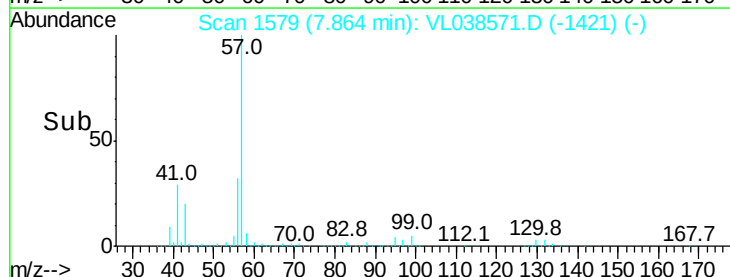


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

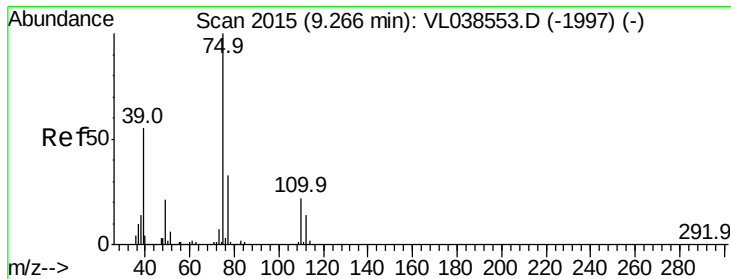
Ion 56.10 (55.80 to 56.80): VL0

Time-->



7.86

Time-->



#45

t-1,3-Dichloropropene

Concen: 11.27 ppbv

RT: 9.28

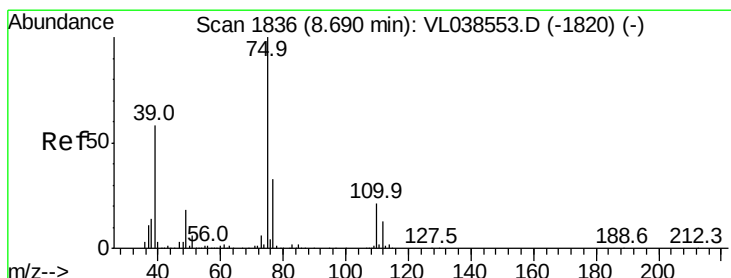
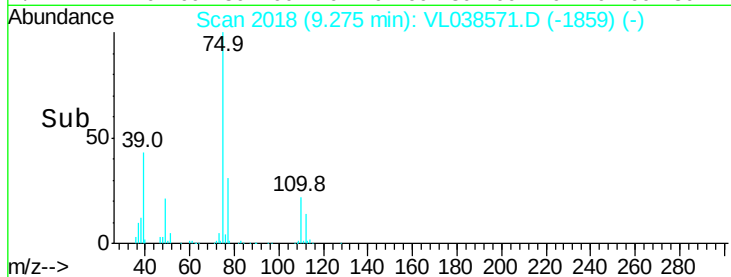
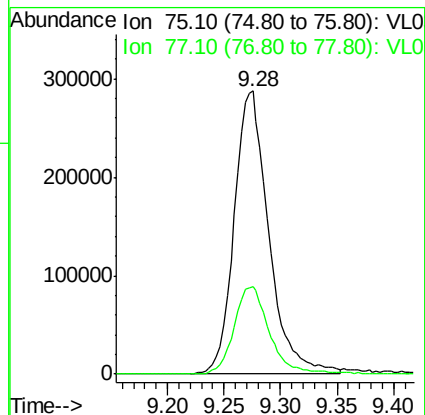
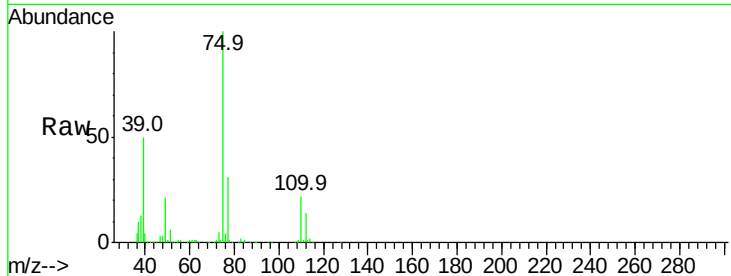
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

Tgt Ion: 75 Resp: 611276

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.6	40.0



#46

cis-1,3-Dichloropropene

Concen: 10.72 ppbv

RT: 8.70 min Scan# 1838

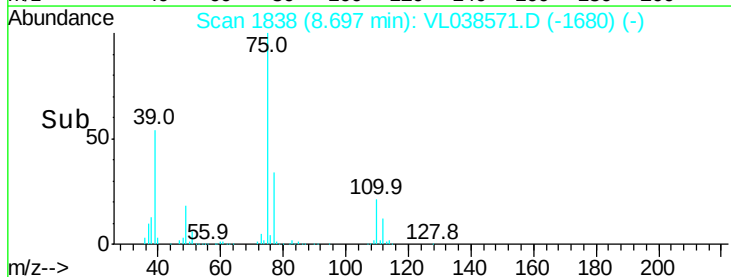
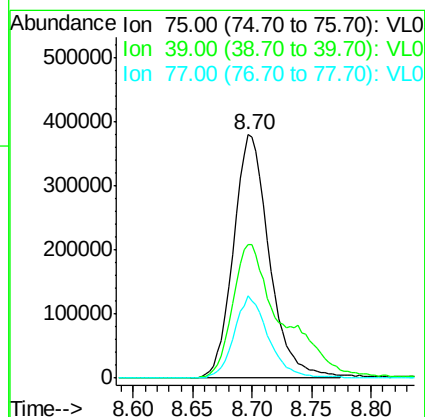
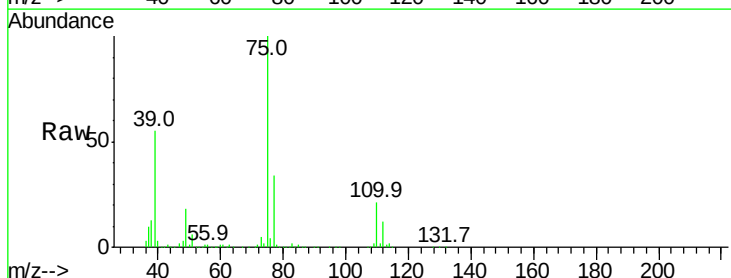
Delta R.T. 0.01 min

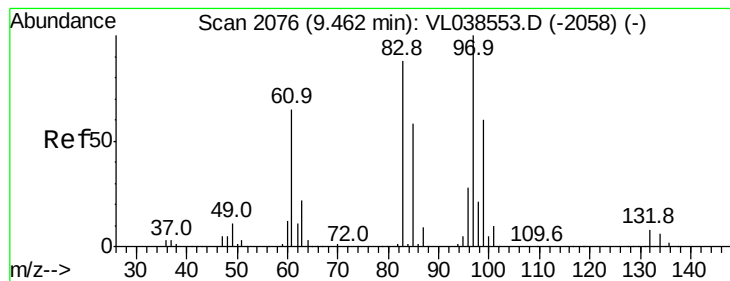
Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

Tgt Ion: 75 Resp: 794755

Ion	Ratio	Lower	Upper
75	100		
39	54.8	46.2	69.2
77	33.6	26.2	39.2





#47

1,1,2-Trichloroethane

Concen: 9.89 ppbv

RT: 9.47 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23 VSTDCCC010

Tgt Ion: 97 Resp: 849955

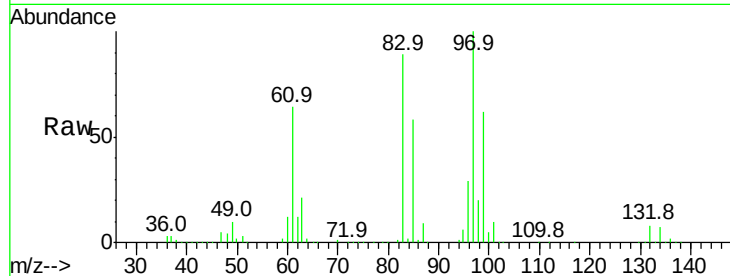
Ion Ratio Lower Upper

97 100

83 89.2 70.1 105.1

85 57.6 46.6 69.8

99 61.8 48.1 72.1

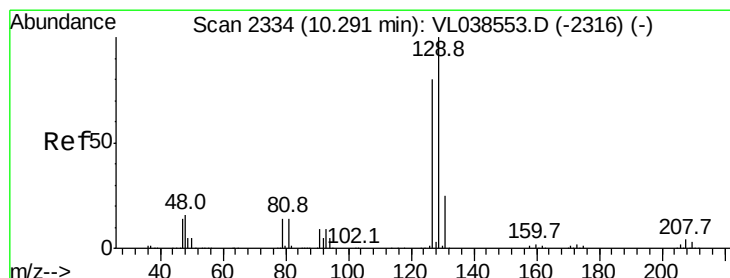
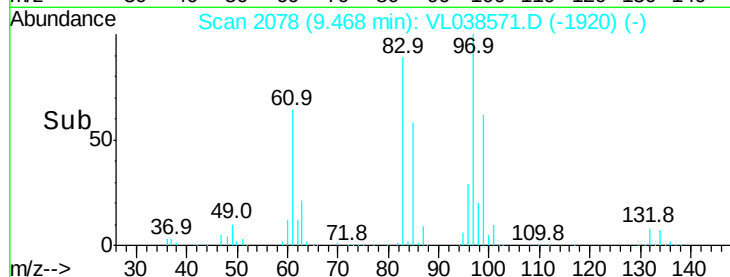
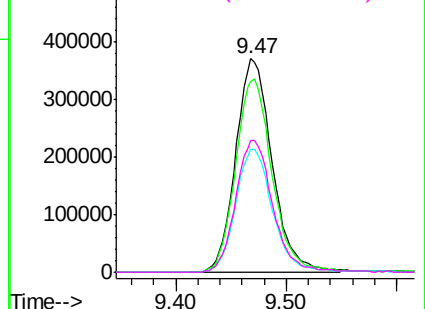


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.55 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. 0.01 min

Lab File: VL038571.D

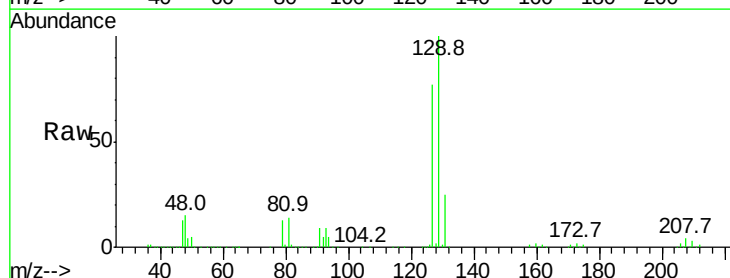
Acq: 9 Mar 2022 10:23

Tgt Ion: 129 Resp: 1438824

Ion Ratio Lower Upper

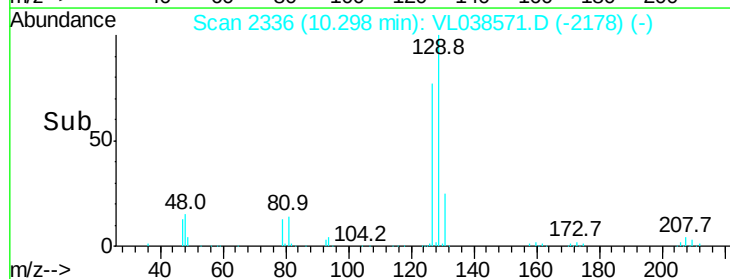
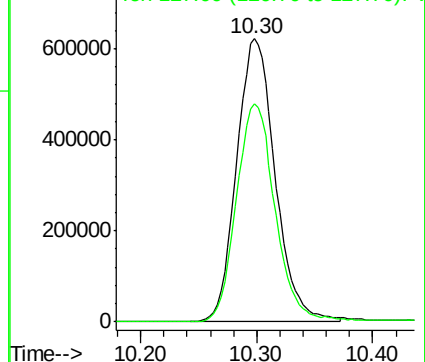
129 100

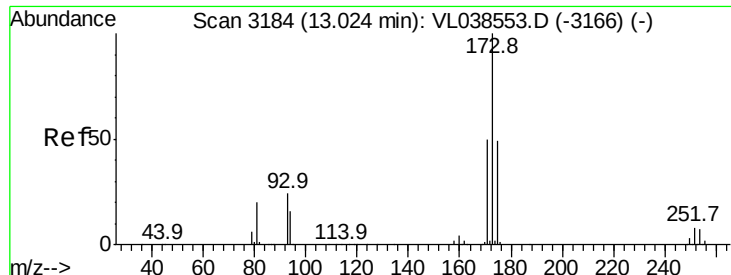
127 78.5 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.29 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 10:23

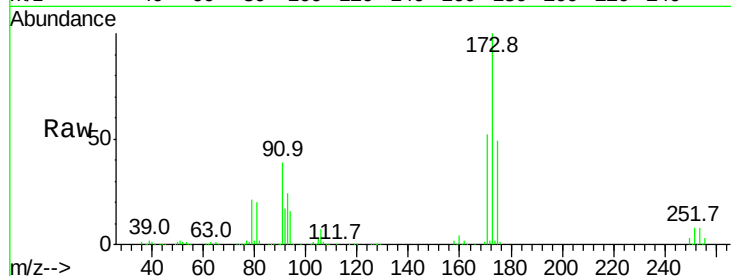
Tgt Ion:173 Resp: 1179439

Ion Ratio Lower Upper

173 100

175 51.3 40.7 61.1

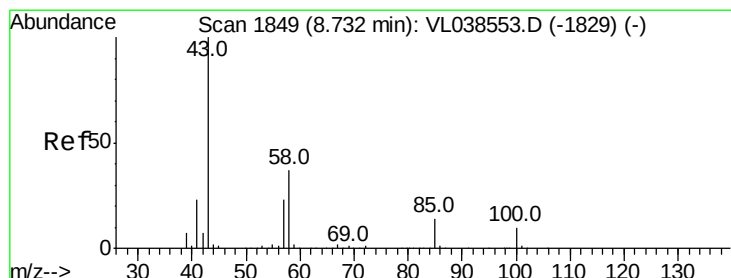
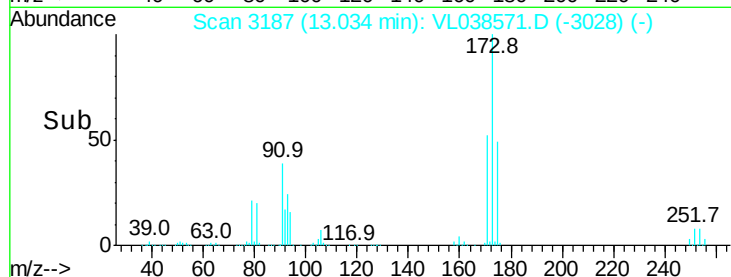
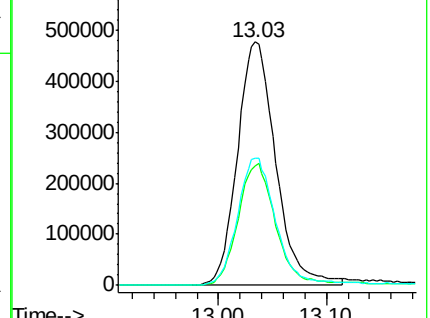
171 54.5 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.76 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL038571.D

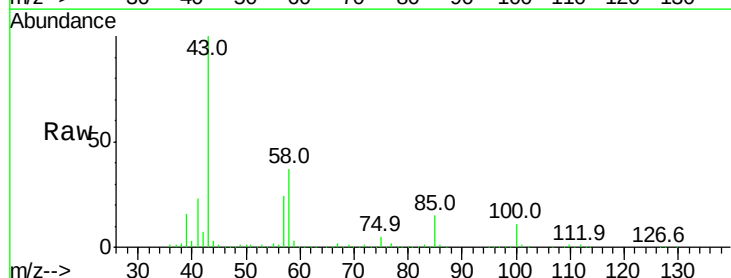
Acq: 9 Mar 2022 10:23

Tgt Ion: 43 Resp: 1259878

Ion Ratio Lower Upper

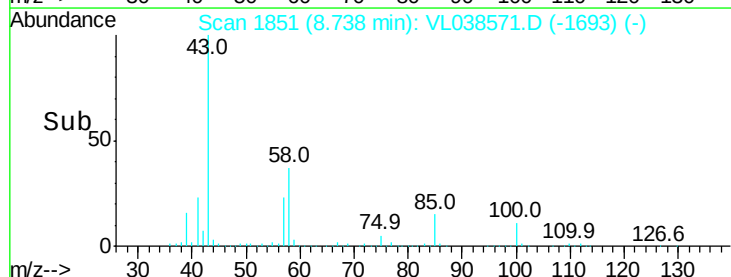
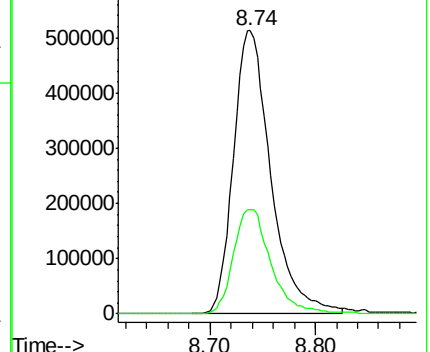
43 100

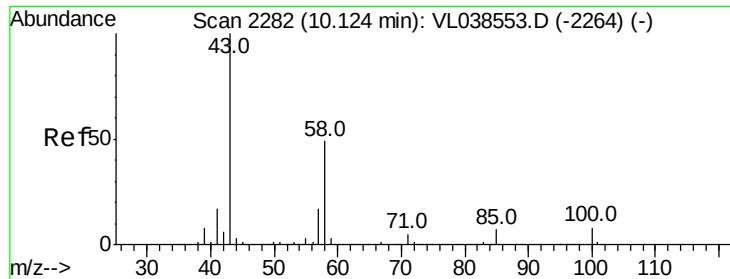
58 37.7 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.93 ppbv

RT: 10.13

Delta R.T. MSVOA_L

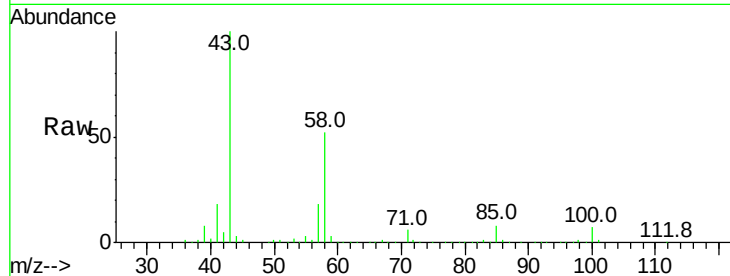
Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

Tgt Ion: 43 Resp: 541625

Ion Ratio Lower Upper

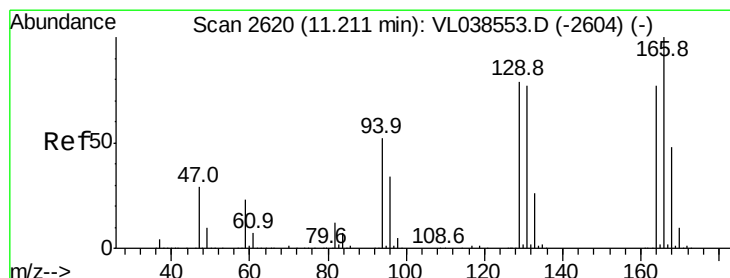
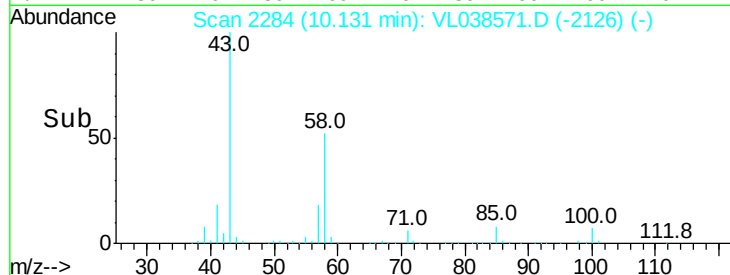
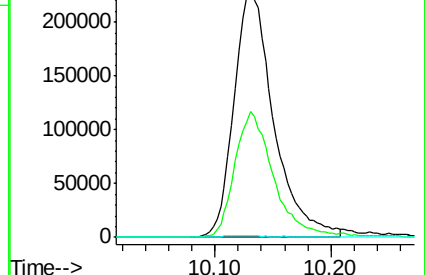
43	100		
58	50.7	40.1	60.1
98	0.8	0.4	0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.36 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

Tgt Ion: 164 Resp: 751822

Ion Ratio Lower Upper

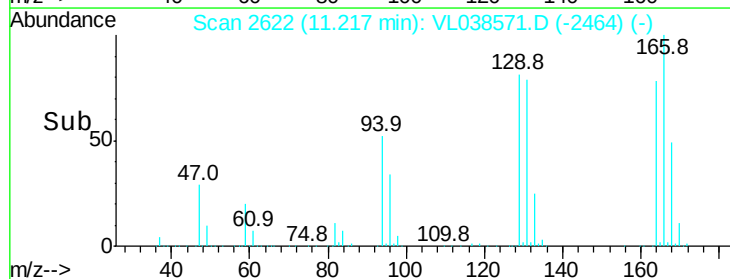
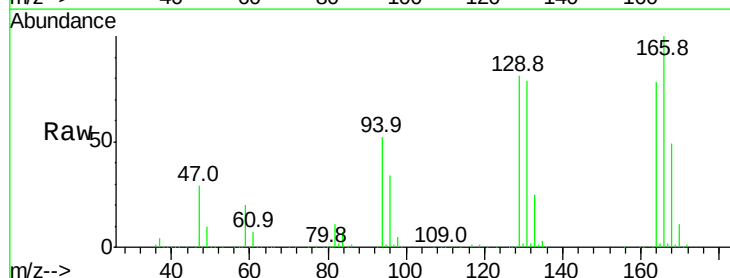
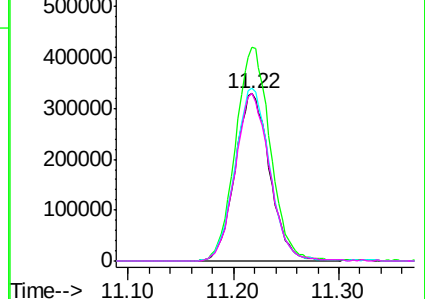
164	100		
166	127.4	103.4	155.2
129	102.8	81.3	121.9
131	100.4	79.8	119.8

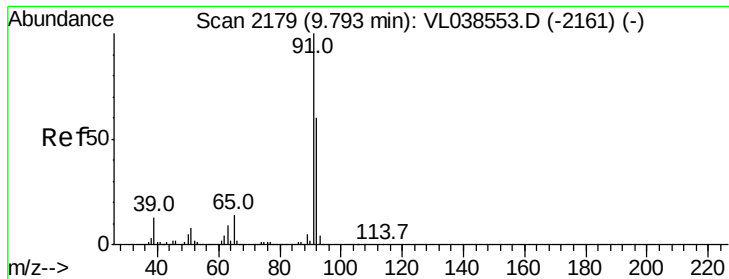
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.21 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

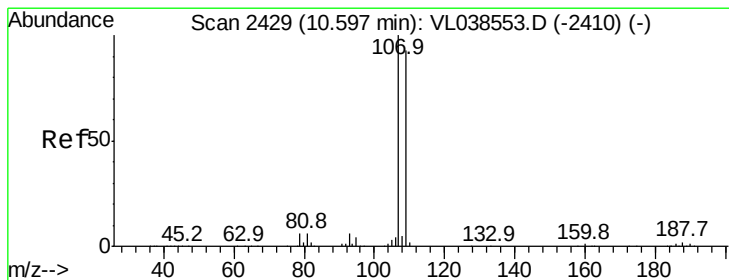
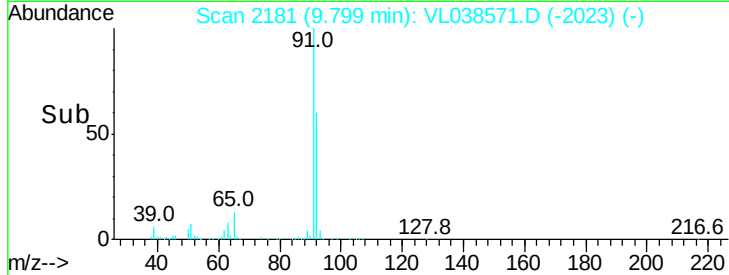
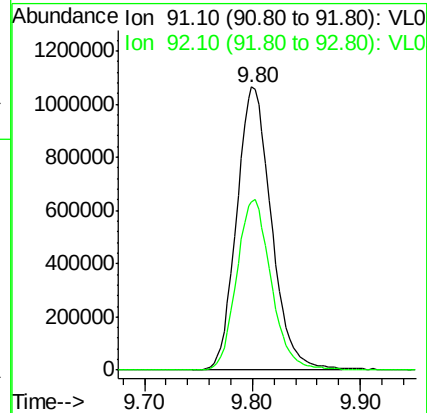
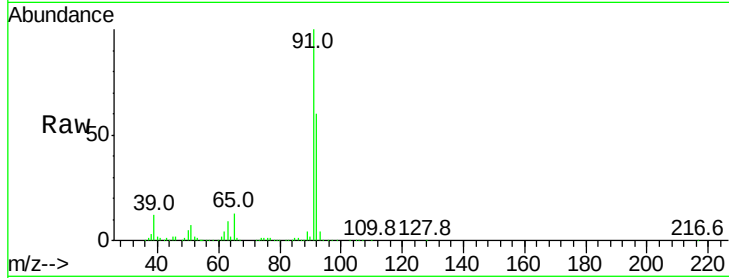
Acq: 9 Mar 2022 10:23 VSTDCCC010

Tgt Ion: 91 Resp: 2388454

Ion Ratio Lower Upper

91 100

92 60.4 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.21 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VL038571.D

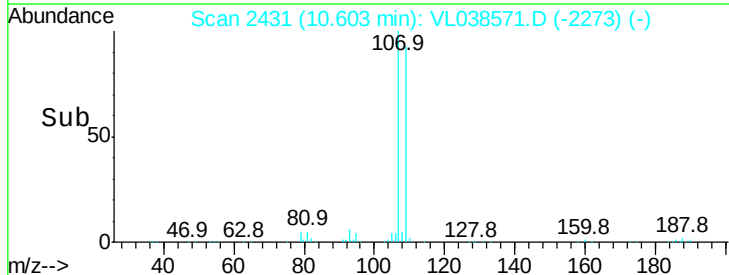
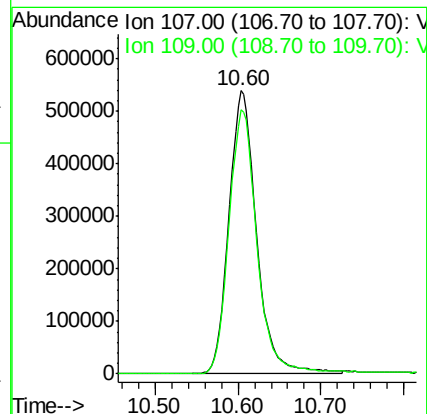
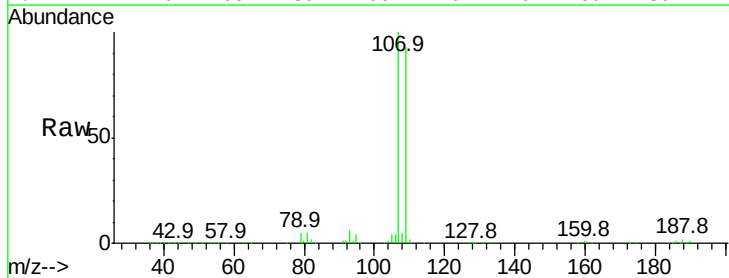
Acq: 9 Mar 2022 10:23

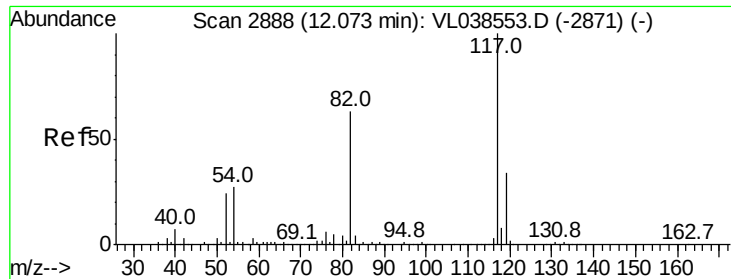
Tgt Ion: 107 Resp: 1253801

Ion Ratio Lower Upper

107 100

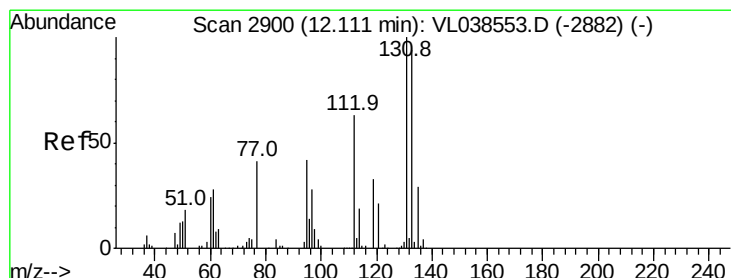
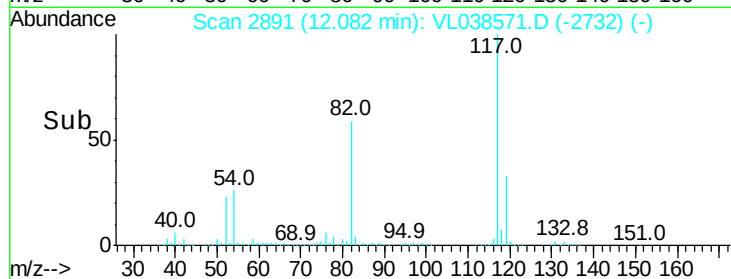
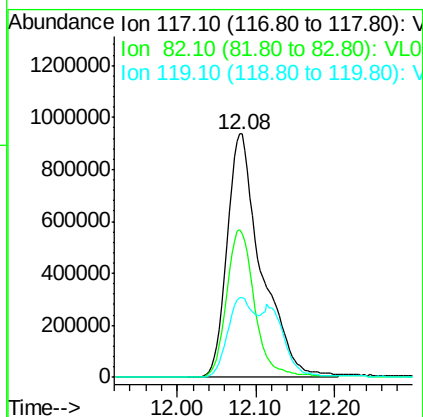
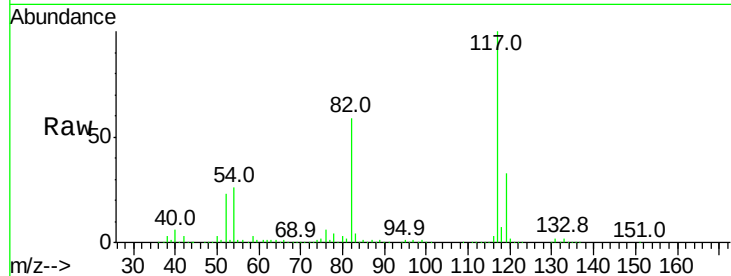
109 93.4 74.6 112.0





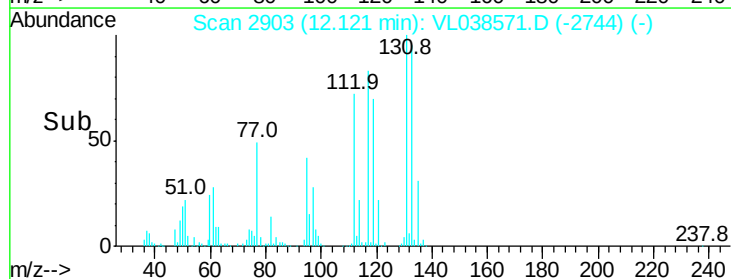
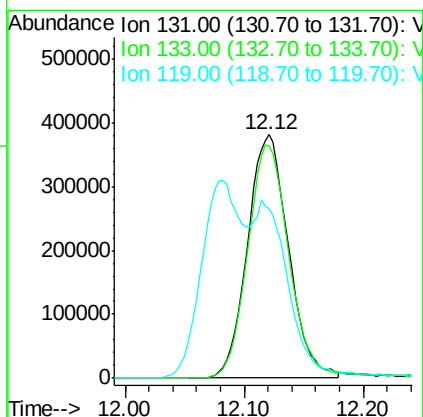
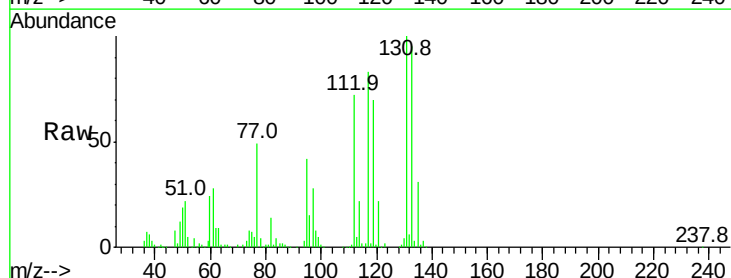
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 10:23

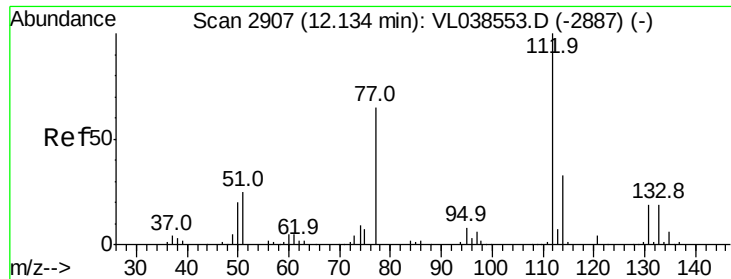
Tgt Ion:117 Resp: 2836363
Ion Ratio Lower Upper
117 100
82 50.9 52.5 78.7#
119 47.7 46.4 69.6



#56
1,1,1,2-Tetrachloroethane
Concen: 7.86 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

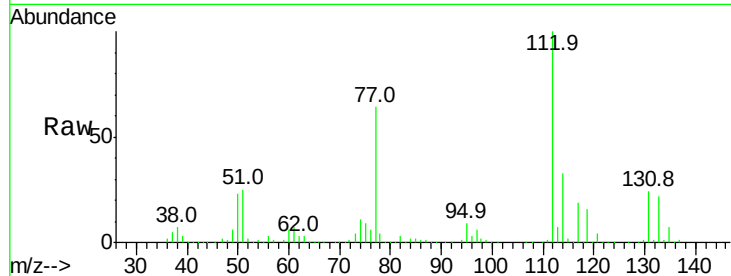
Tgt Ion:131 Resp: 907982
Ion Ratio Lower Upper
131 100
133 99.3 78.0 117.0
119 149.1 53.1 79.7#



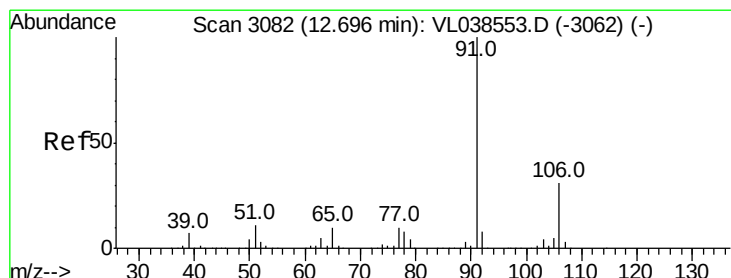
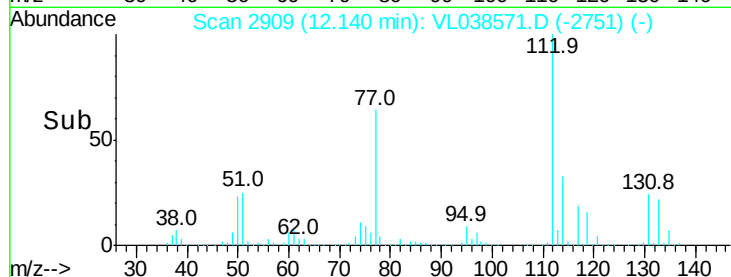
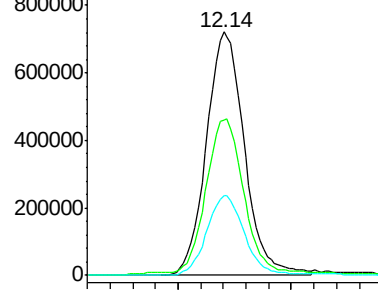


#57
Chlorobenzene
Concen: 7.79 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 9 Mar 2022 10:23

Tgt Ion: 112 Resp: 1687818
Ion Ratio Lower Upper
112 100
77 62.8 52.5 78.7
114 32.5 30.0 36.6

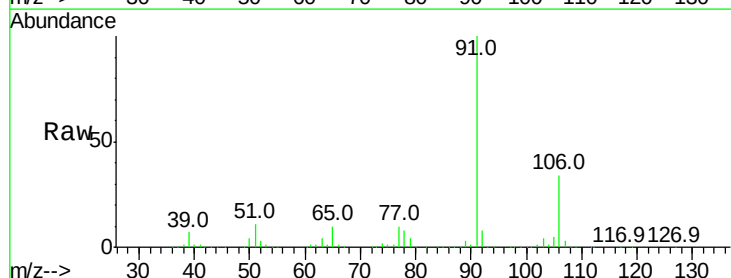


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

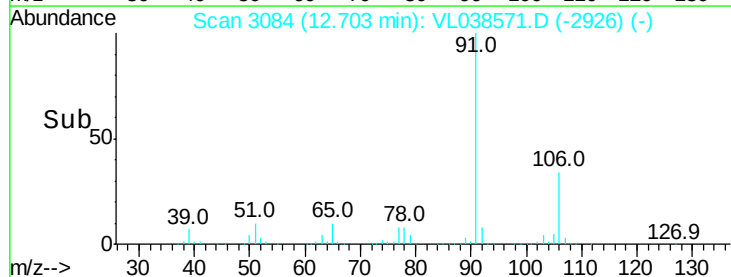
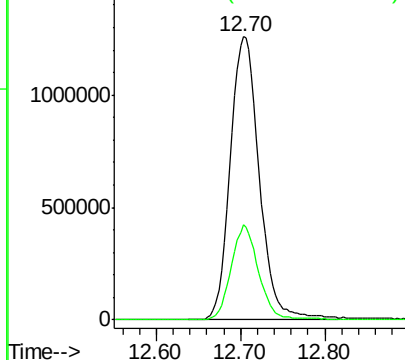


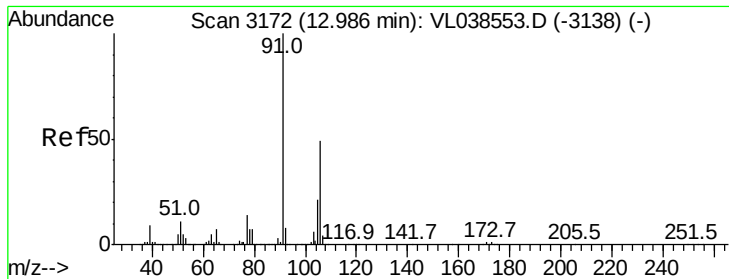
#58
Ethyl Benzene
Concen: 8.25 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

Tgt Ion: 91 Resp: 3031087
Ion Ratio Lower Upper
91 100
106 33.5 24.6 37.0



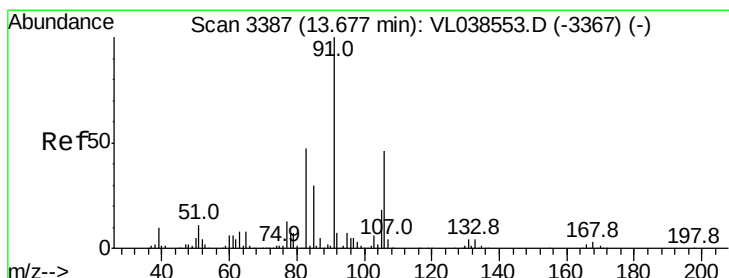
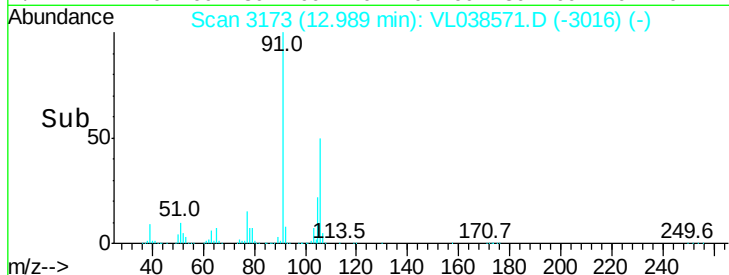
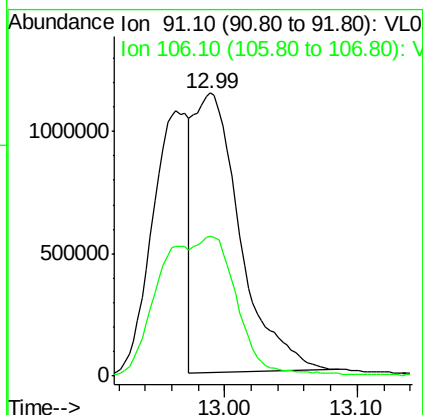
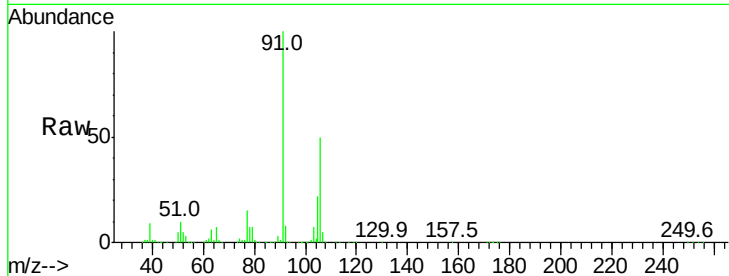
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





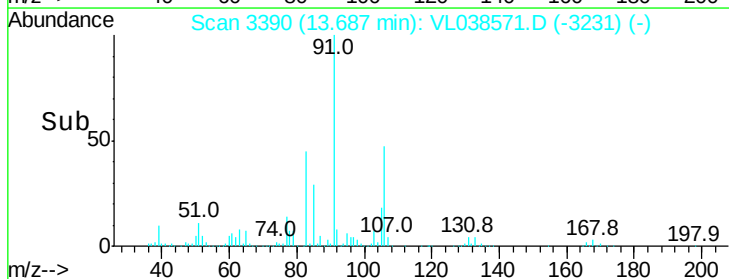
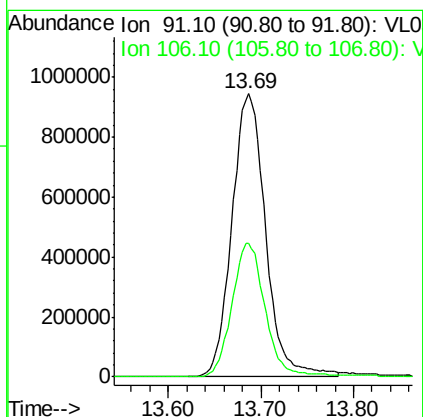
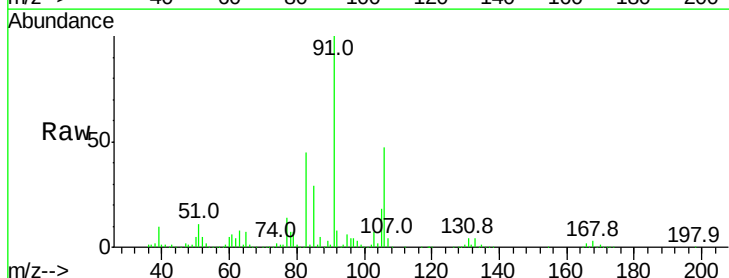
#59
m/p-Xylene
Concen: 8.80 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 10:23

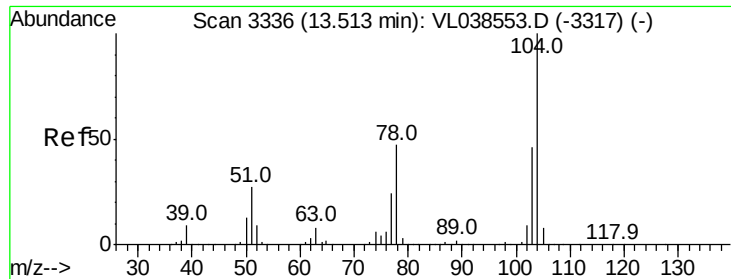
Tgt Ion: 91 Resp: 2767865
Ion Ratio Lower Upper
91 100
106 84.9 37.1 55.7#



#60
o-Xylene
Concen: 8.00 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

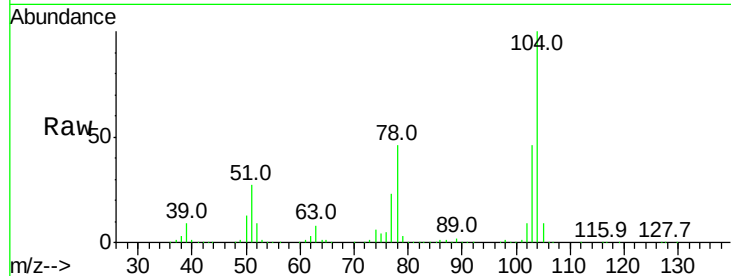
Tgt Ion: 91 Resp: 2373729
Ion Ratio Lower Upper
91 100
106 47.4 23.5 70.6



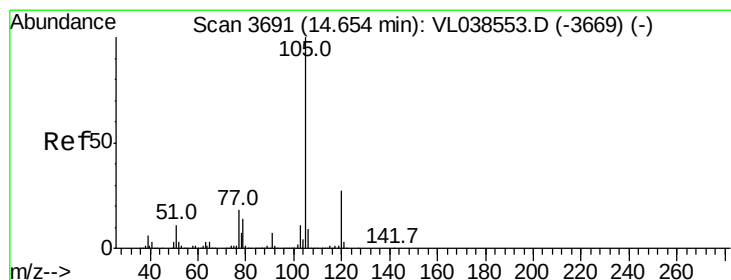
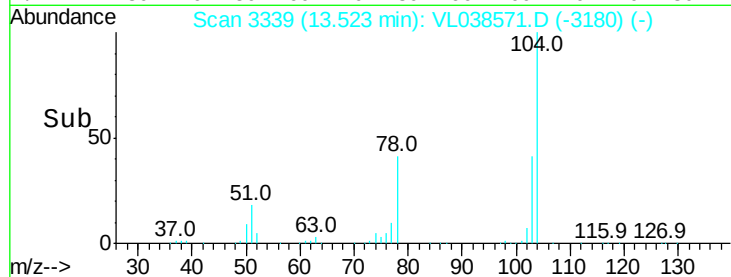
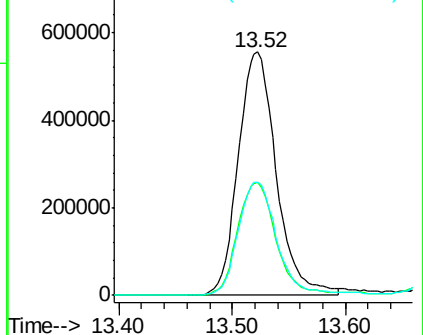


#61
Styrene
Concen: 8.90 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 10:23

Tgt Ion:104 Resp: 1302714
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.4
103 48.0 38.0 57.0

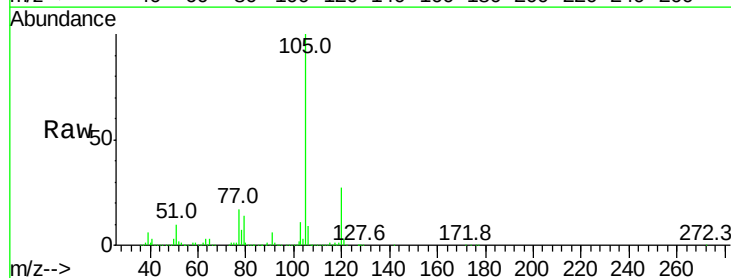


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

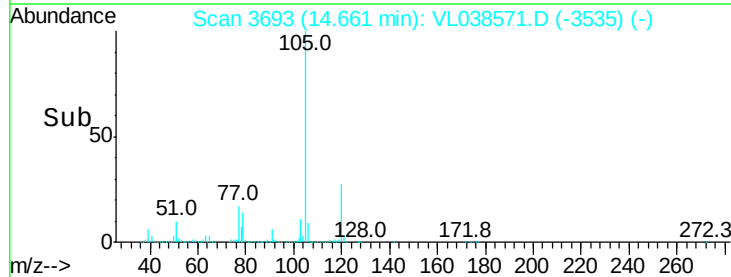
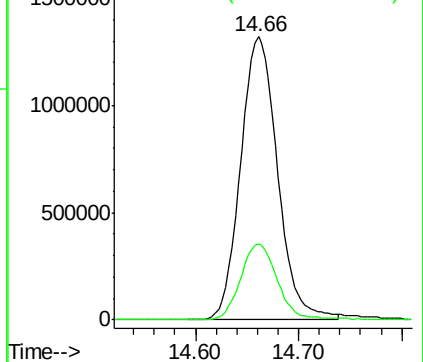


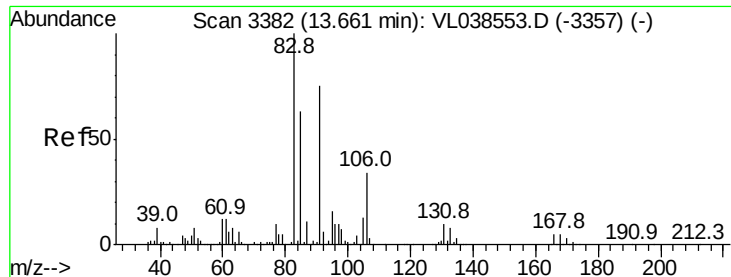
#62
Isopropylbenzene
Concen: 8.03 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.01 min
Lab File: VL038571.D
Acq: 9 Mar 2022 10:23

Tgt Ion:105 Resp: 3289055
Ion Ratio Lower Upper
105 100
120 27.1 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.20 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

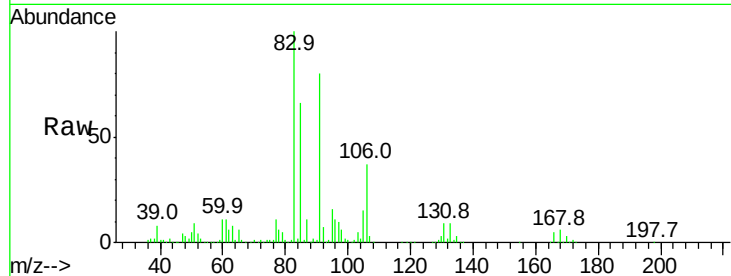
Tgt Ion: 83 Resp: 1805349

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.1

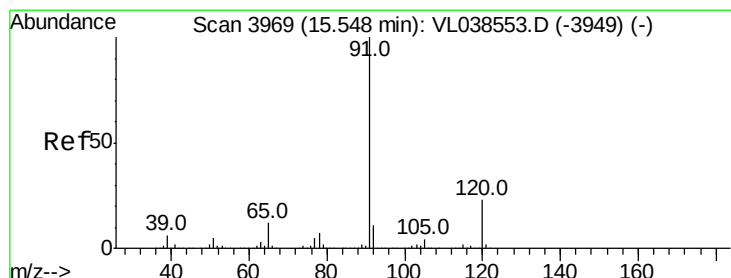
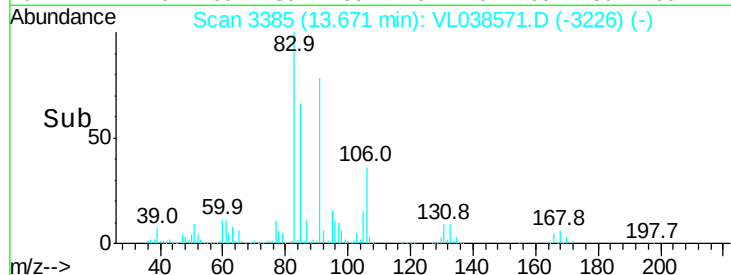
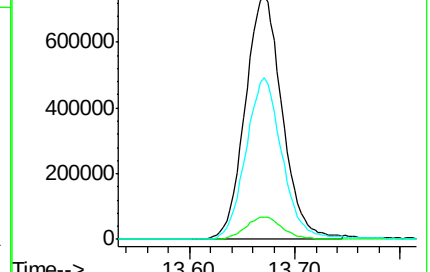
85 66.0 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.48 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.01 min

Lab File: VL038571.D

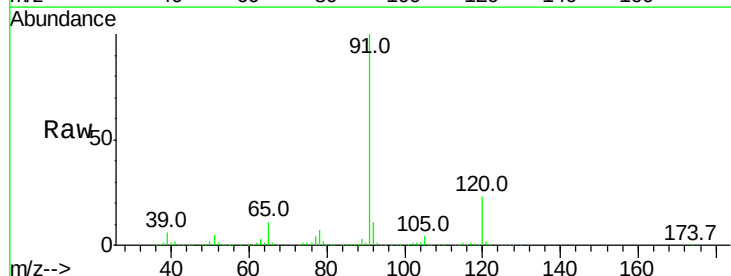
Acq: 9 Mar 2022 10:23

Tgt Ion:120 Resp: 885417

Ion Ratio Lower Upper

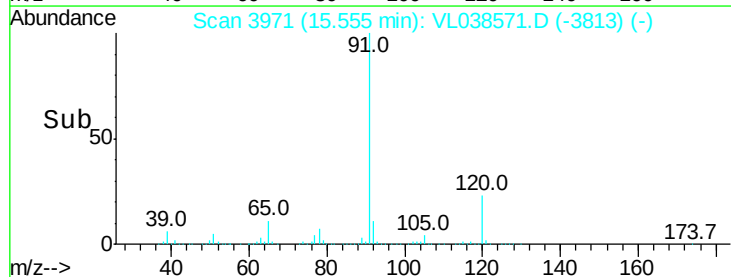
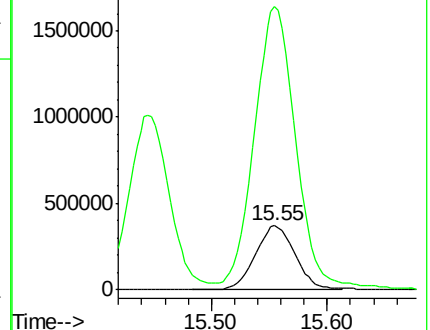
120 100

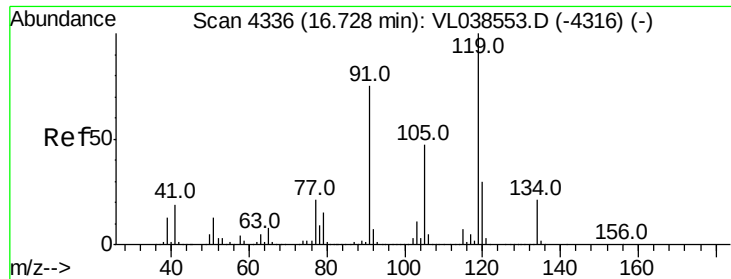
91 463.6 374.2 561.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

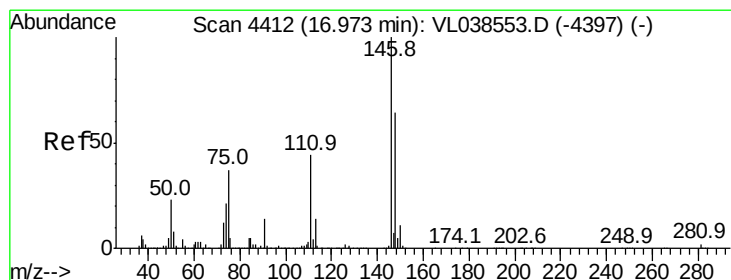
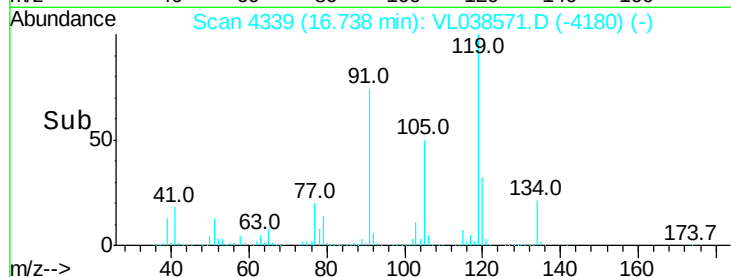
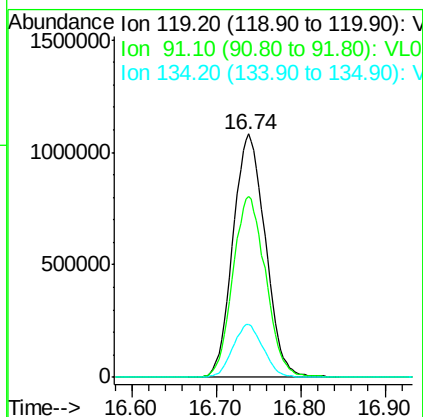
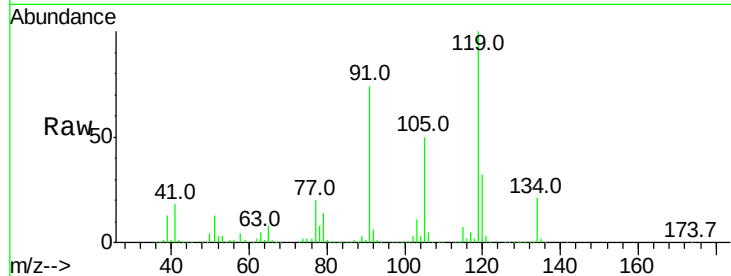
Ion 91.10 (90.80 to 91.80): VL0





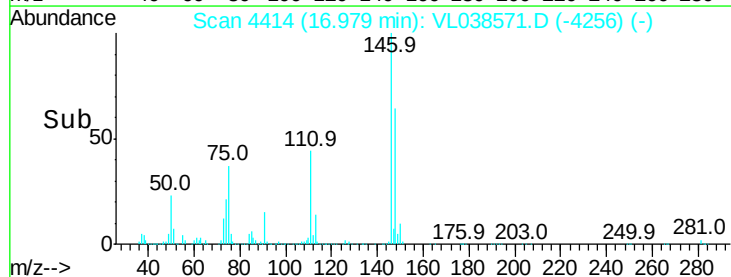
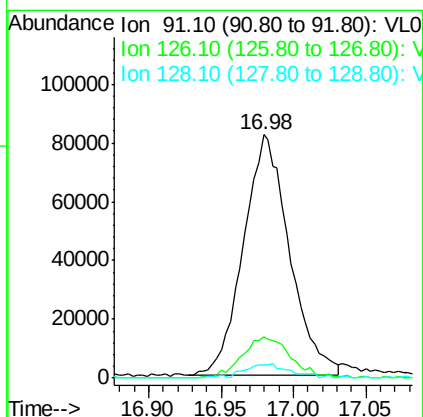
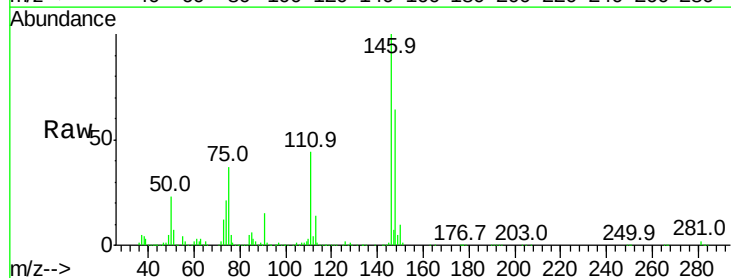
#65
 tert-Butylbenzene
 Concen: 7.90 ppbv
 RT: 16.74
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

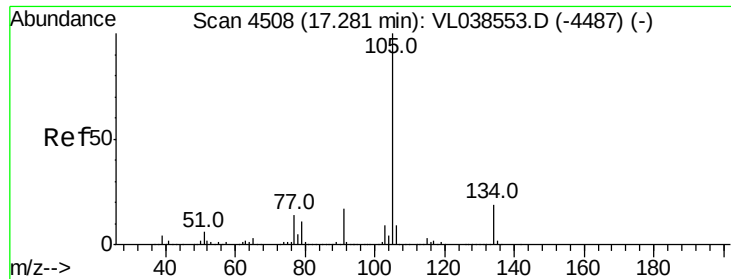
Tgt Ion: 119 Resp: 2895657
 Ion Ratio Lower Upper
 119 100
 91 75.4 61.2 91.8
 134 20.4 16.2 24.2



#66
 Benzyl Chloride
 Concen: 8.31 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T.: 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

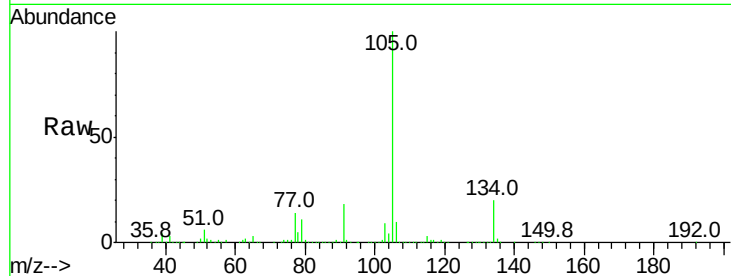
Tgt Ion: 91 Resp: 180479
 Ion Ratio Lower Upper
 91 100
 126 18.6 14.1 21.1
 128 6.2 5.1 7.7



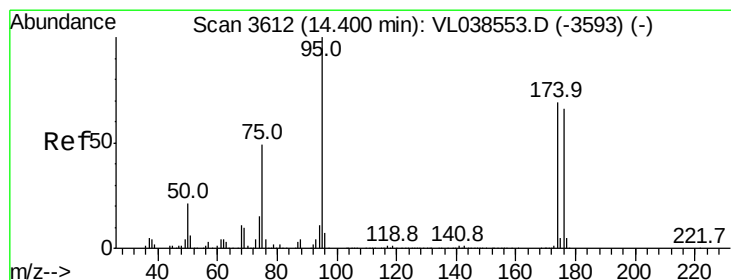
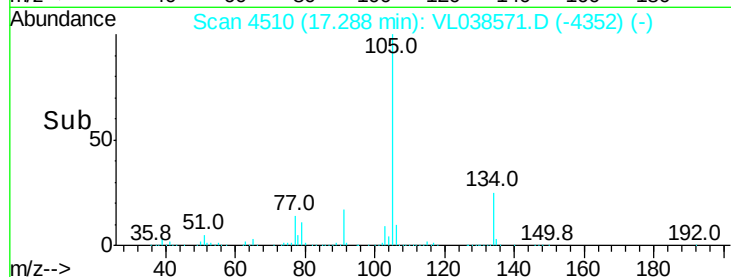
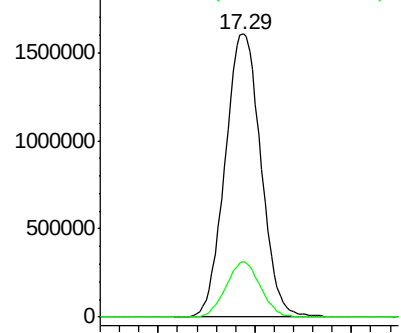


#67
 sec-Butylbenzene
 Concen: 7.91 ppbv
 RT: 17.29 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

Tgt Ion: 105 Resp: 4117700
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6

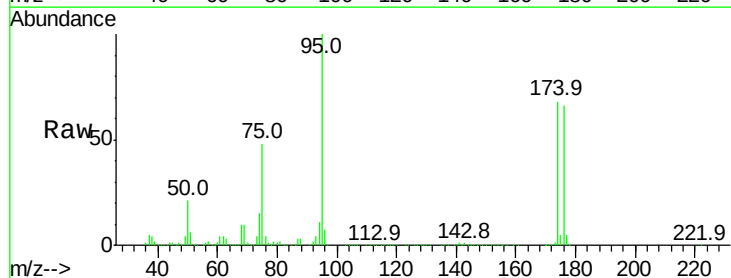


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 134.20 (133.90 to 134.90): V

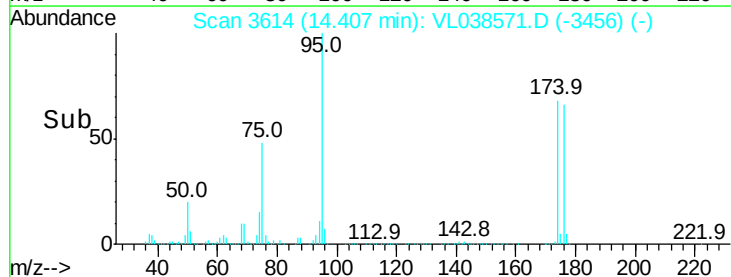
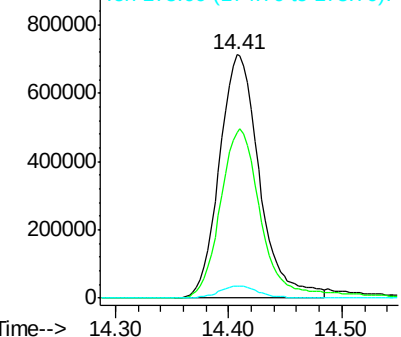


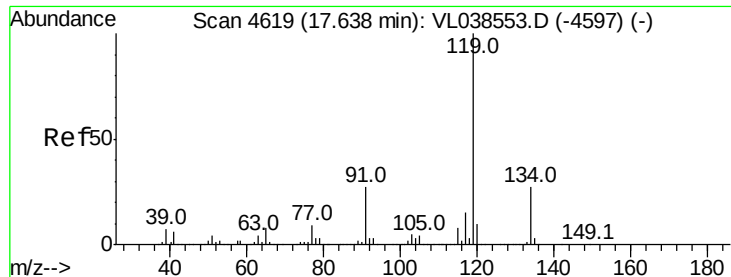
#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.11 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion: 95 Resp: 1749474
 Ion Ratio Lower Upper
 95 100
 174 72.5 56.2 84.4
 175 5.3 4.2 6.2



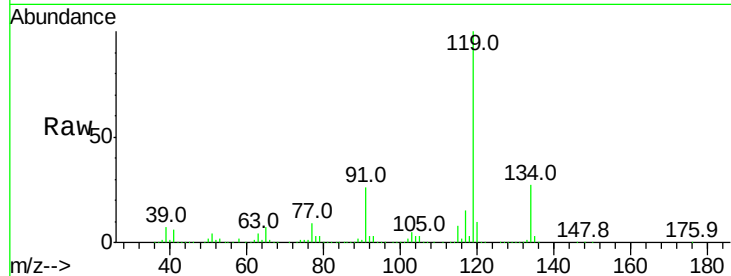
Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



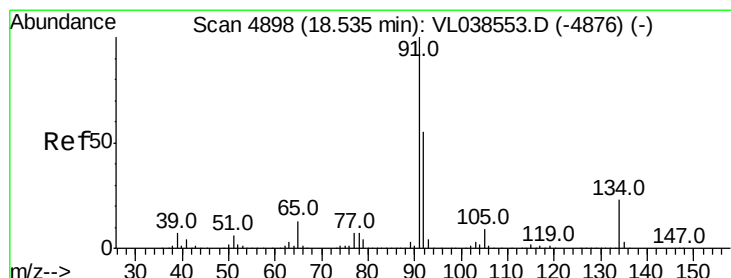
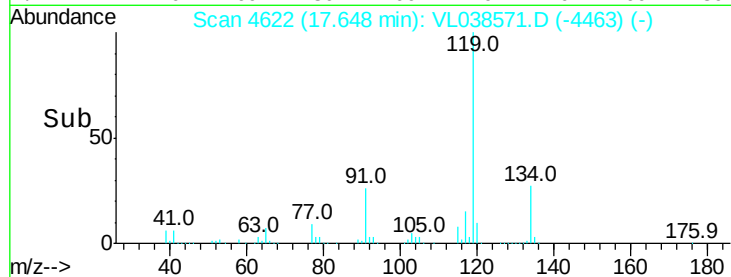
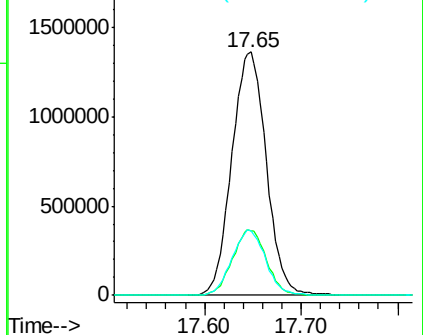


#69
 p-Isopropyltoluene
 Concen: 7.81 ppbv
 RT: 17.65
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

Tgt Ion: 119 Resp: 3370306
 Ion Ratio Lower Upper
 119 100
 134 26.6 20.9 31.3
 91 26.1 21.1 31.7

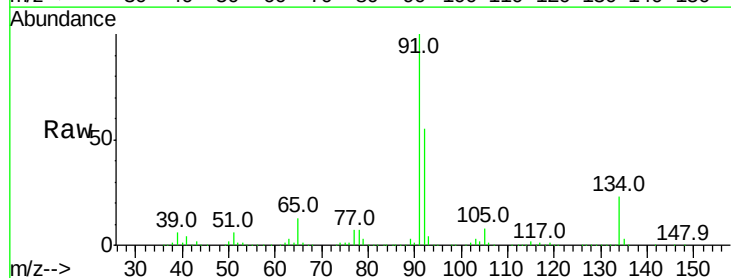


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

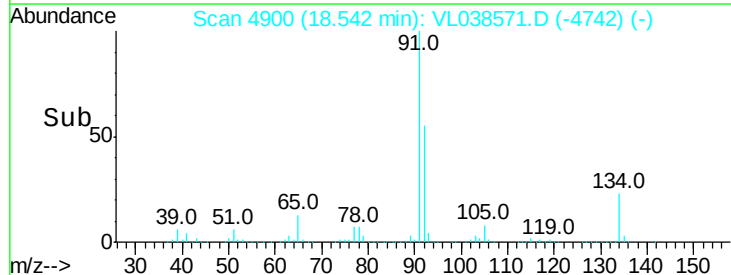
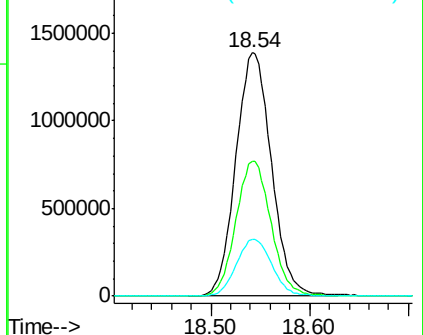


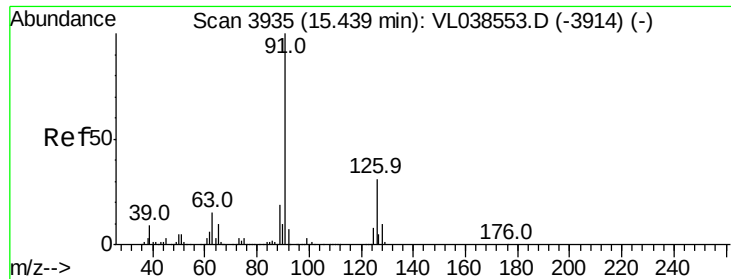
#70
 n-Butylbenzene
 Concen: 7.56 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion: 91 Resp: 3473120
 Ion Ratio Lower Upper
 91 100
 92 55.0 43.8 65.8
 134 23.6 18.7 28.1



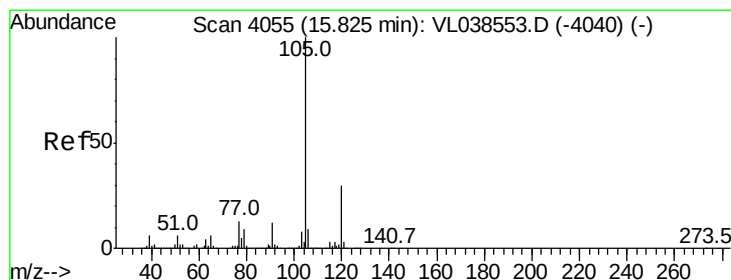
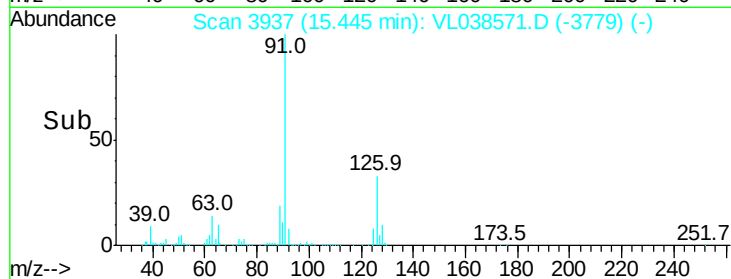
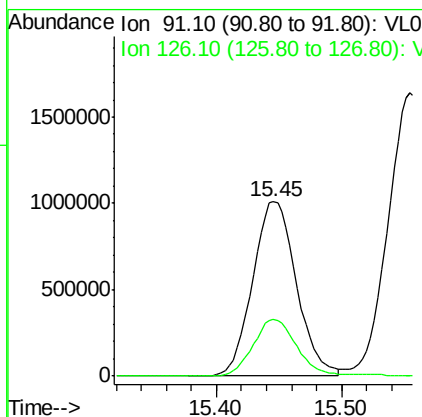
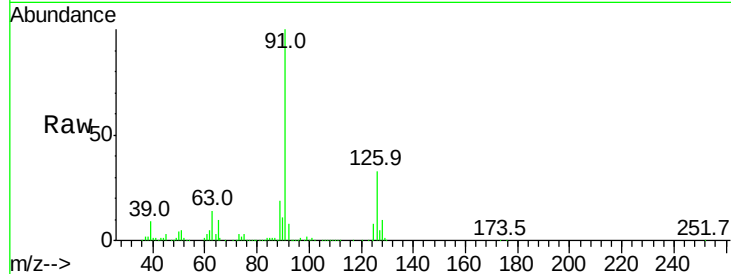
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





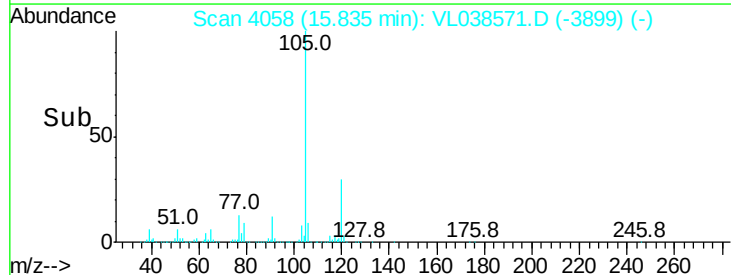
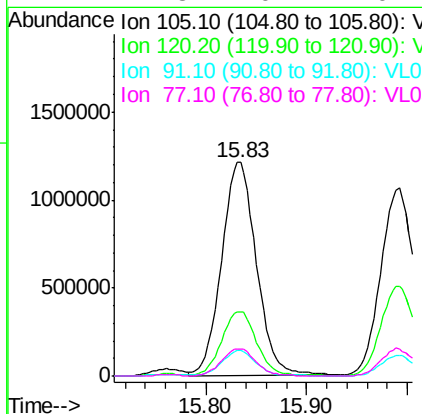
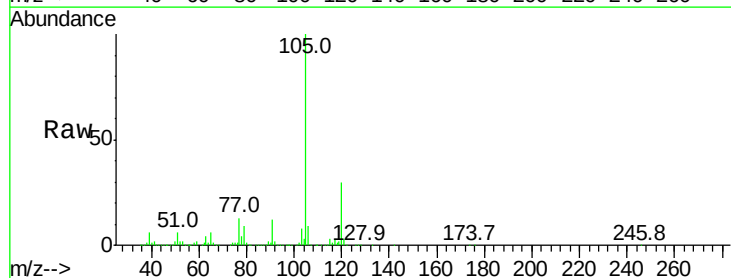
#71
 2-Chlorotoluene
 Concen: 8.06 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

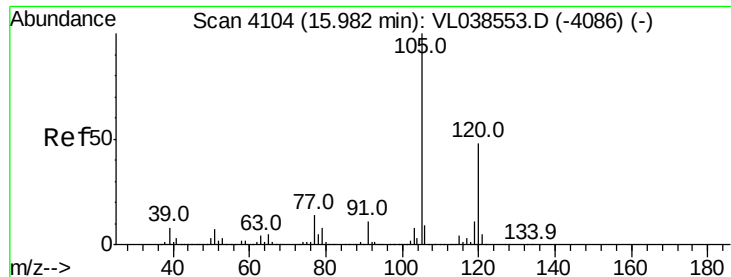
Tgt Ion: 91 Resp: 2451080
 Ion Ratio Lower Upper
 91 100
 126 33.3 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 8.53 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion: 105 Resp: 2909480
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.0 37.4
 91 11.5 9.8 14.6
 77 12.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 7.95 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

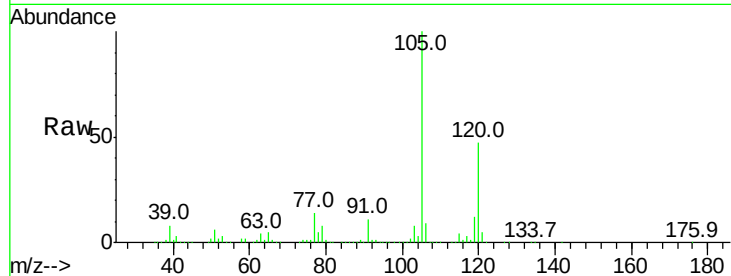
Acq: 9 Mar 2022 10:23

Tgt Ion:105 Resp: 2516773

Ion Ratio Lower Upper

105 100

120 47.5 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

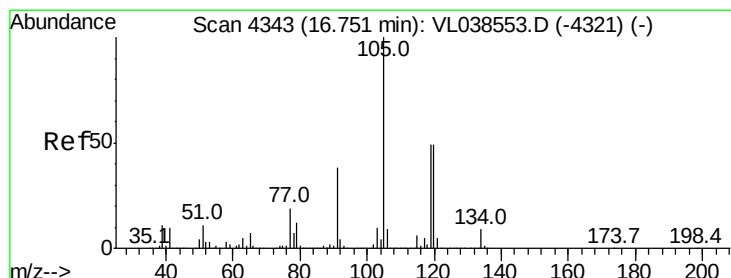
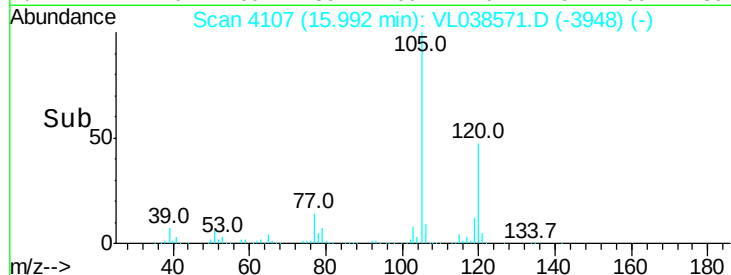
400000

200000

0

15.90 15.99 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.76 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

Tgt Ion:105 Resp: 2624095

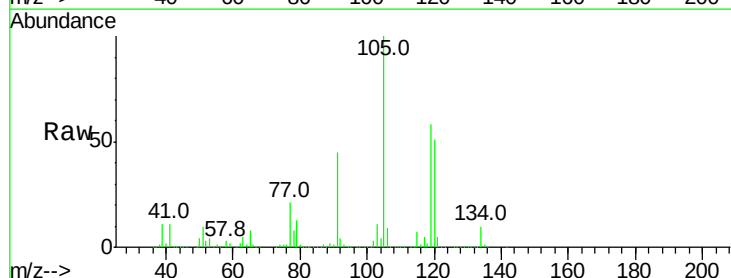
Ion Ratio Lower Upper

105 100

120 50.8 38.9 58.3

91 44.7 30.6 46.0

77 20.4 15.2 22.8



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

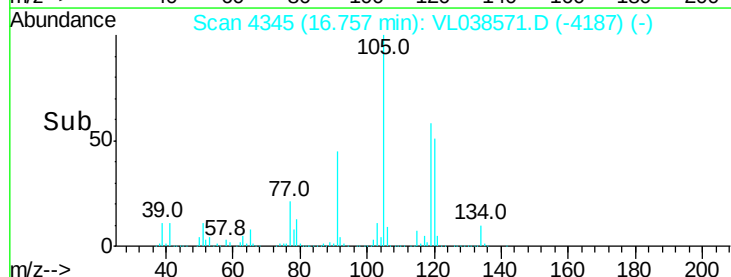
1000000

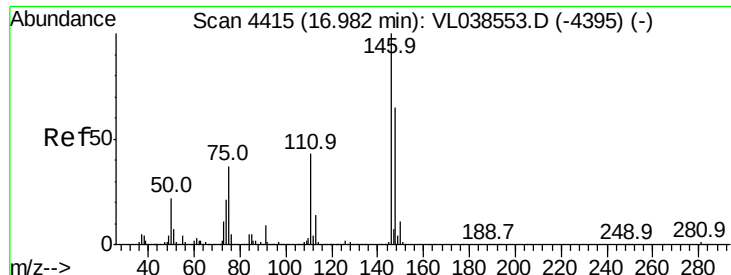
500000

0

16.70 16.76 16.80

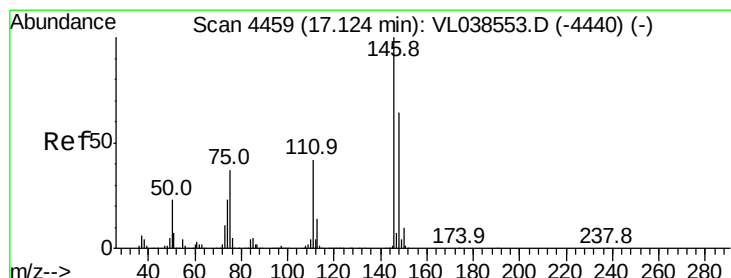
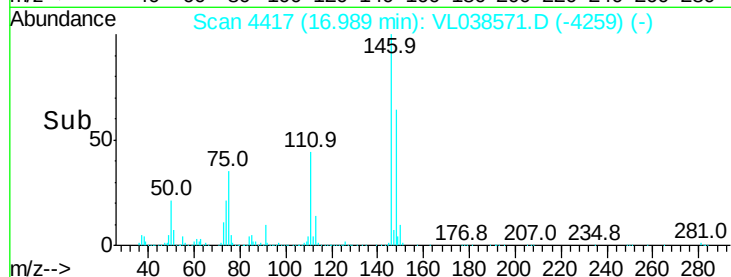
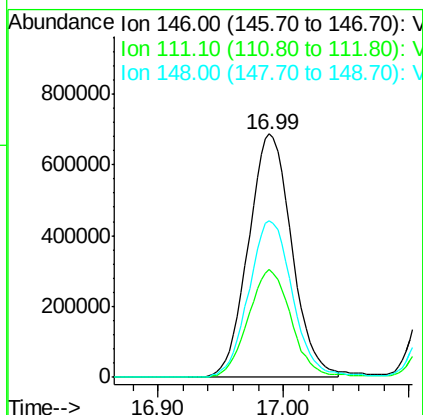
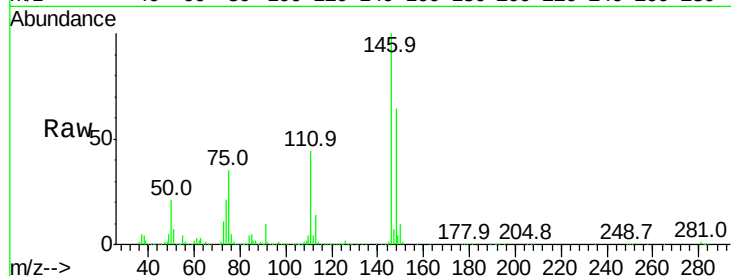
Time-->





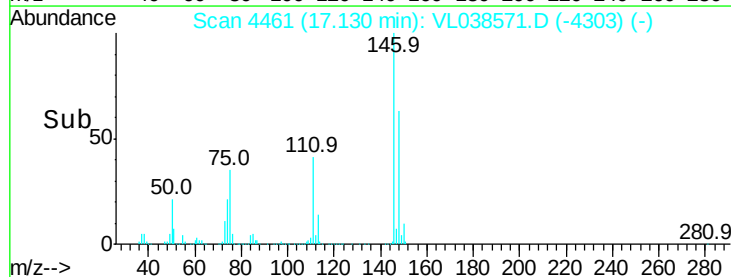
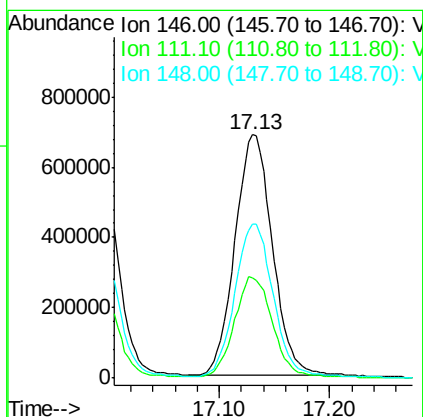
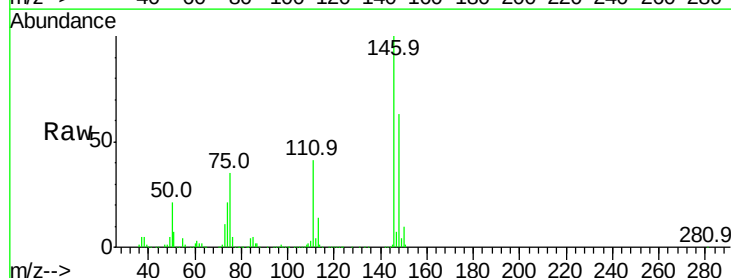
#75
 1,3-Dichlorobenzene
 Concen: 7.75 ppbv
 RT: 16.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 9 Mar 2022 10:23

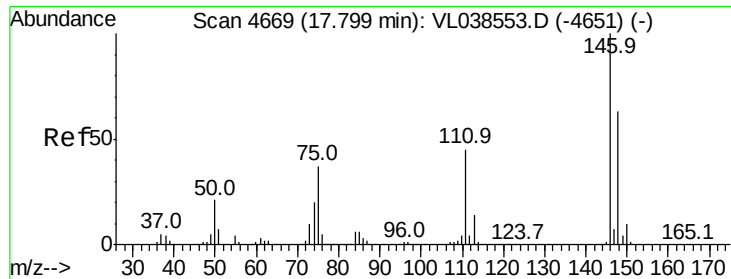
Tgt Ion:146 Resp: 1653907
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.9 65.8
 148 65.2 32.2 96.6



#76
 1,4-Dichlorobenzene
 Concen: 7.67 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T.: 0.01 min
 Lab File: VL038571.D
 Acq: 9 Mar 2022 10:23

Tgt Ion:146 Resp: 1620009
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.8 65.3
 148 66.1 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 7.45 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

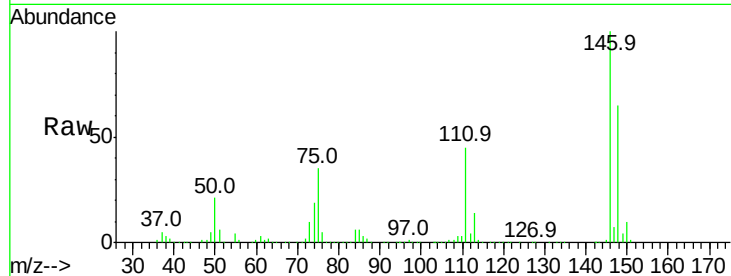
Tgt Ion:146 Resp: 1608153

Ion Ratio Lower Upper

146 100

111 45.1 23.2 69.5

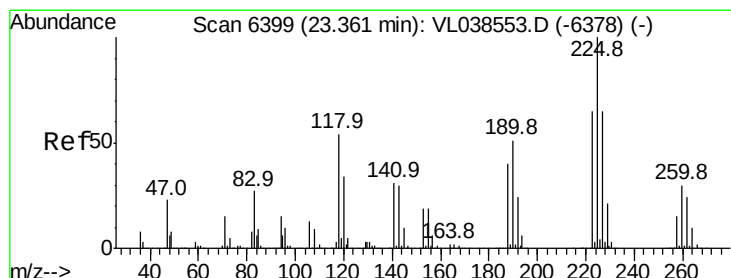
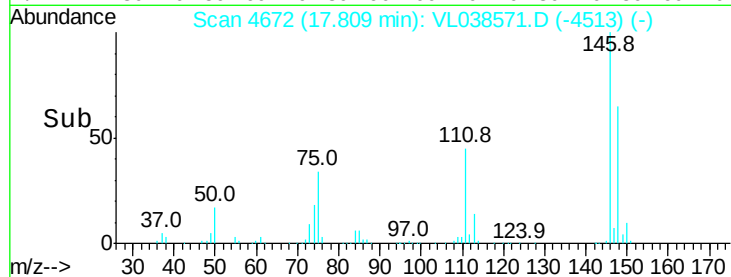
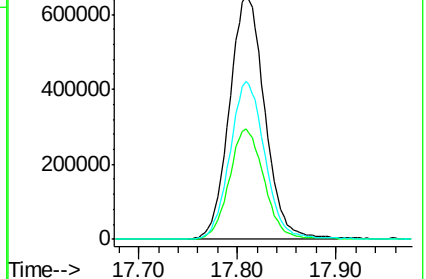
148 64.5 32.6 98.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.09 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

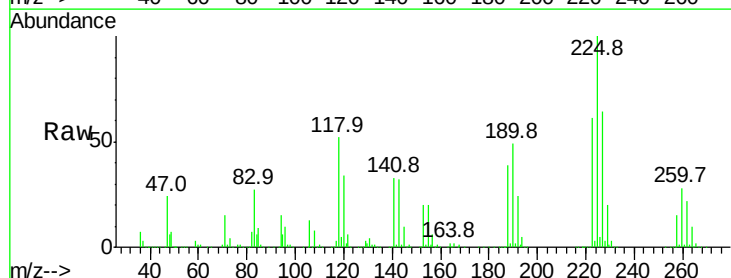
Tgt Ion:225 Resp: 1282960

Ion Ratio Lower Upper

225 100

223 64.0 51.4 77.0

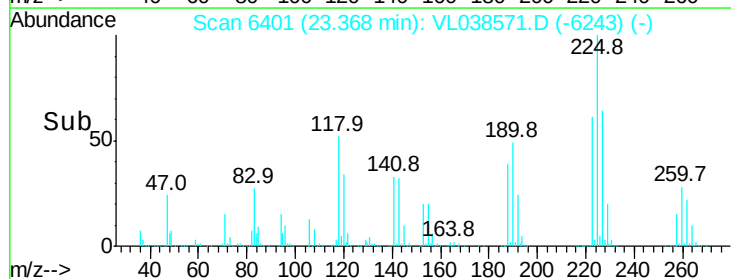
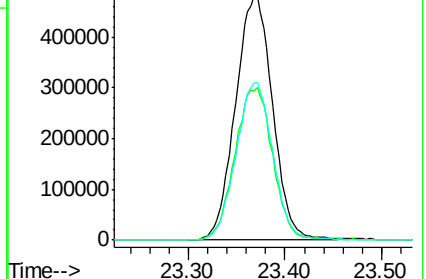
227 64.2 51.9 77.9

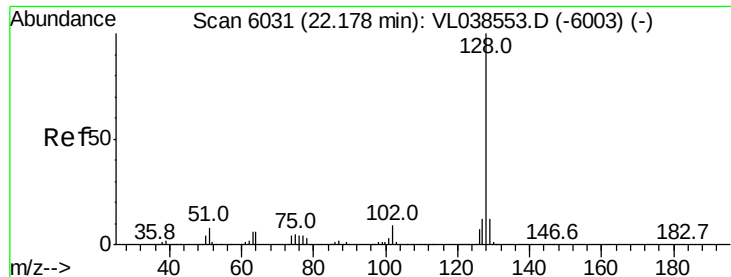


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.01 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 10:23

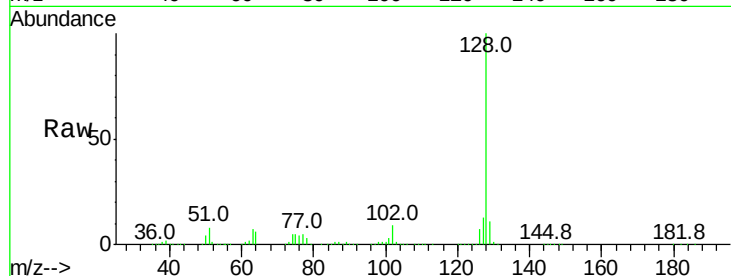
Tgt Ion:128 Resp: 2437625

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

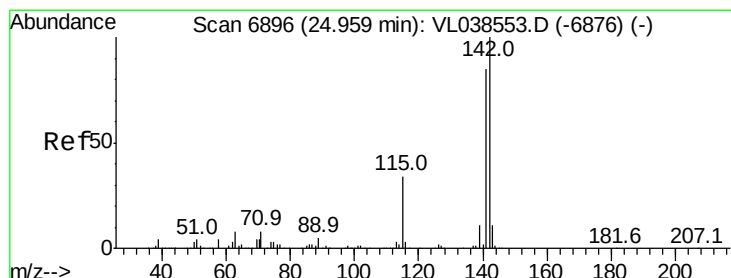
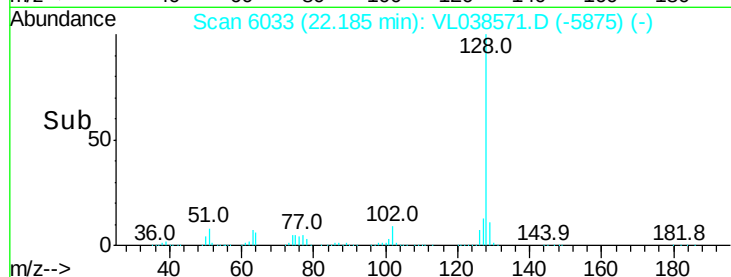
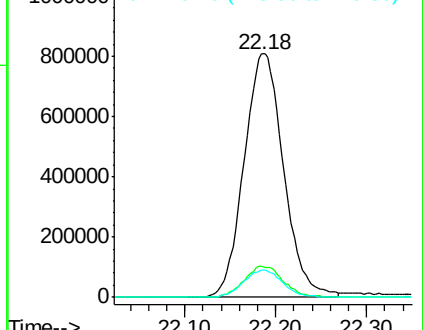
129 11.4 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.57 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.01 min

Lab File: VL038571.D

Acq: 9 Mar 2022 10:23

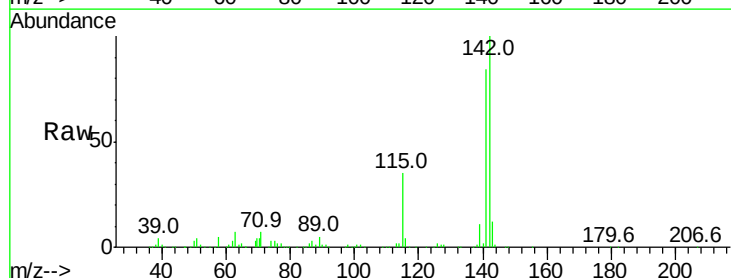
Tgt Ion:142 Resp: 621412

Ion Ratio Lower Upper

142 100

141 82.0 68.4 102.6

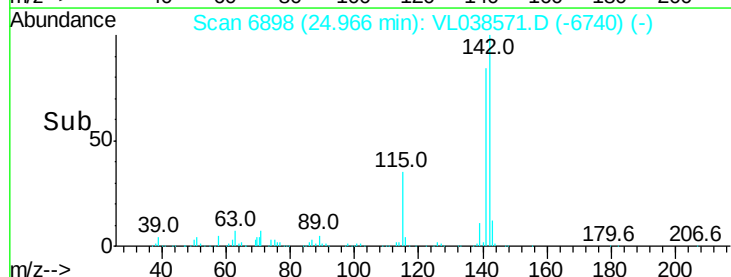
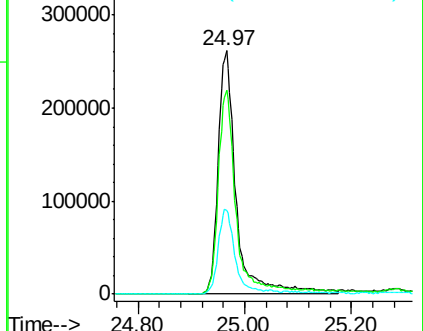
115 33.0 27.9 41.9

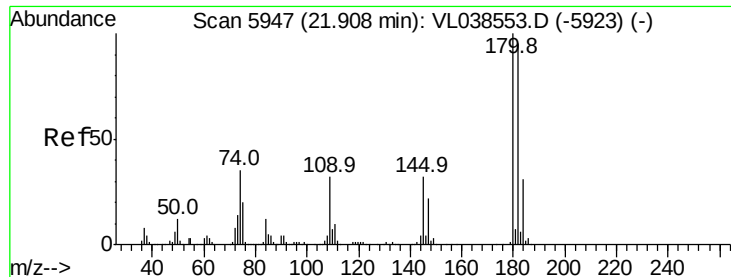


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.00 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 9 Mar 2022 10:23

Tgt Ion:180 Resp: 1360606
 Ion Ratio Lower Upper
 180 100
 182 97.7 79.1 118.7
 184 31.8 25.0 37.6

