

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038473.D
 Acq On : 2 Mar 2022 5:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Mar 02 06:08:45 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	844354	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2231157	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.08	117	2122328	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1661963	9.46	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	1265431	9.46	ppbv	97
3) Chlorodifluoromethane	3.00	51	1625762	10.90	ppbv	99
4) Chloromethane	3.15	50	576891	11.14	ppbv	100
5) Vinyl Chloride	3.26	62	580435	10.72	ppbv	100
6) Bromomethane	3.48	94	314819	11.02	ppbv	98
7) Chloroethane	3.56	64	210412	12.10	ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	1386811	11.15	ppbv	96
9) Propene	3.02	41	562958	11.44	ppbv	99
10) Heptane	8.12	43	1409496	11.76	ppbv	100
11) Trichlorofluoromethane	3.95	101	1383969	10.81	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1021805	10.89	ppbv	97
13) Ethanol	3.61	45	24177	4.92	ppbv #	30
14) Bromoethene	3.74	108	438422	11.72	ppbv	99
15) Acetone	3.85	43	707149	9.85	ppbv	100
16) 1,3-Butadiene	3.33	39	559029	11.66	ppbv	96
17) tert-Butyl alcohol	4.29	59	959997	13.40	ppbv	99
18) 1,1-Dichloroethene	4.29	96	453740	11.01	ppbv	98
19) Isopropyl Alcohol	3.97	45	484069	11.64	ppbv	99
20) Methylene Chloride	4.35	84	367303	10.32	ppbv	93
21) Allyl Chloride	4.42	41	702238	11.58	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	488684	11.75	ppbv	98
23) Vinyl Acetate	5.08	43	1123883	11.81	ppbv	99
24) 1,1-Dichloroethane	5.01	63	961770	11.24	ppbv	99
25) Ethyl Acetate	5.68	43	2219967	11.51	ppbv	99
26) Hexane	5.69	57	1007903	11.54	ppbv	99
27) Carbon Disulfide	4.56	76	1121041	11.54	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1017952	11.44	ppbv	98
29) Chloroform	5.75	83	1622362	11.38	ppbv	99
30) Cyclohexane	7.13	84	900121	12.60	ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	1027536	12.14	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	1616157	11.27	ppbv	98
34) 2-Butanone	5.25	43	754659	10.75	ppbv	98
35) Carbon Tetrachloride	7.02	117	1668309	10.63	ppbv	99
36) Benzene	6.89	78	2200463	11.20	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1179983	10.40	ppbv	97
38) Trichloroethene	7.83	130	803004	11.22	ppbv	93
39) 1,2-Dichloropropane	7.61	63	844520	10.79	ppbv	99
40) 1,4-Dioxane	7.84	88	162343	8.75	ppbv #	52
41) Tetrahydrofuran	6.05	42	544432	11.48	ppbv	97
42) Bromodichloromethane	7.79	83	1763601	10.76	ppbv	99
43) Methyl Methacrylate	8.01	69	794911	11.64	ppbv	98

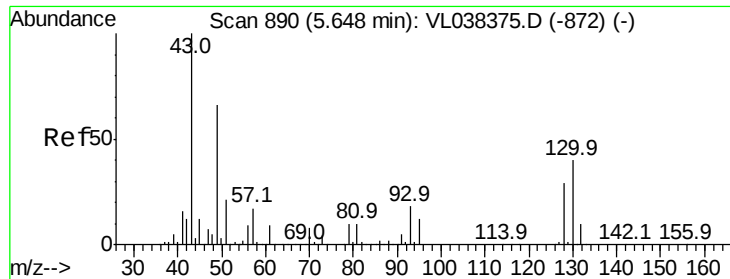
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3584524	10.62	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	615662	11.28	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	783180	10.95	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	877803	11.28	ppbv	97
48) Dibromochloromethane	10.30	129	1449786	11.39	ppbv	99
49) Bromoform	13.04	173	1106582	11.78	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1442435	11.63	ppbv	97
51) 2-Hexanone	10.13	43	662969	11.94	ppbv #	98
52) Tetrachloroethene	11.22	164	726793	11.15	ppbv	97
53) Toluene	9.80	91	2465470	11.56	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1267259	11.57	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	959209	10.84	ppbv	97
57) Chlorobenzene	12.15	112	1755088	10.72	ppbv	97
58) Ethyl Benzene	12.71	91	3244964	11.18	ppbv	98
59) m/p-Xylene	12.99	91	3097827	12.43	ppbv #	45
60) o-Xylene	13.69	91	2557237	10.85	ppbv	98
61) Styrene	13.52	104	1323025	12.17	ppbv	99
62) Isopropylbenzene	14.66	105	3533662	11.17	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1856365	9.70	ppbv	99
64) n-propylbenzene	15.56	120	898527	11.48	ppbv	97
65) tert-Butylbenzene	16.74	119	3076184	11.23	ppbv	97
66) Benzyl Chloride	16.99	91	162163	10.96	ppbv	96
67) sec-Butylbenzene	17.29	105	4334199	11.17	ppbv	100
69) p-Isopropyltoluene	17.65	119	3597649	11.80	ppbv	99
70) n-Butylbenzene	18.54	91	3746215	11.88	ppbv	99
71) 2-Chlorotoluene	15.45	91	2621088	10.78	ppbv	97
72) 4-Ethyltoluene	15.84	105	3040429	11.71	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2740679	11.63	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2841300	11.42	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	1605332	11.52	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1524744	11.09	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1525973	11.37	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1124617	10.99	ppbv	99
79) Naphthalene	22.19	128	2145802	15.91	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	470010	17.83	ppbv	95
81) 1,2,4-Trichlorobenzene	21.92	180	1188973	14.58	ppbv	99

(#) = 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 5:32 VSTDCCC010EC

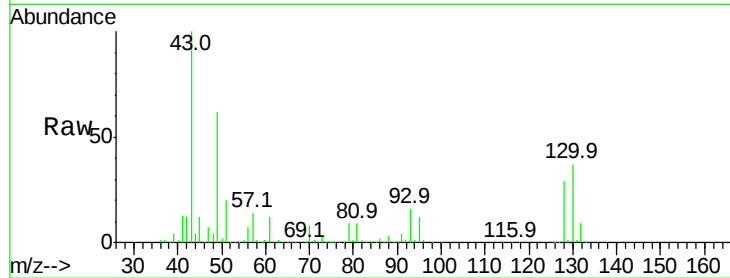
Tgt Ion: 49 Resp: 844354

Ion Ratio Lower Upper

49 100

128 51.5 24.3 72.9

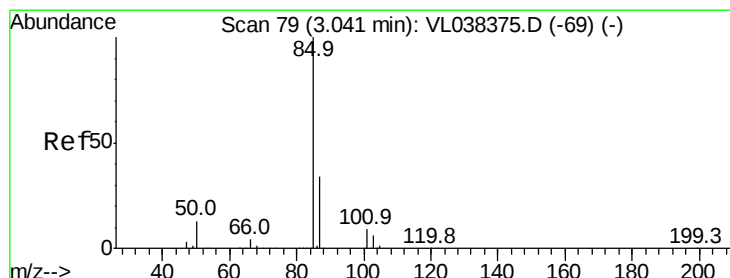
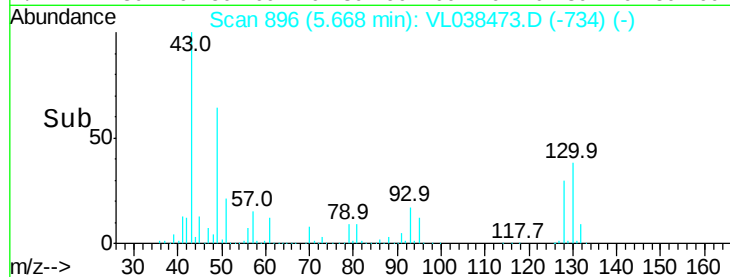
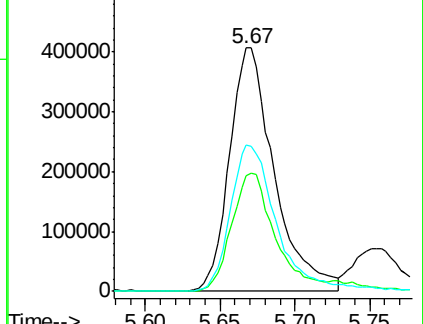
130 63.6 30.1 90.5



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: 9.46 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL038473.D

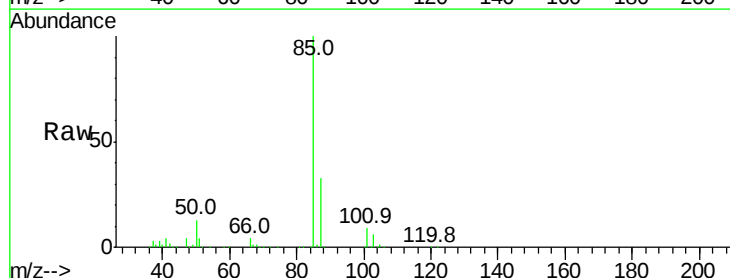
Acq: 2 Mar 2022 5:32

Tgt Ion: 85 Resp: 1265431

Ion Ratio Lower Upper

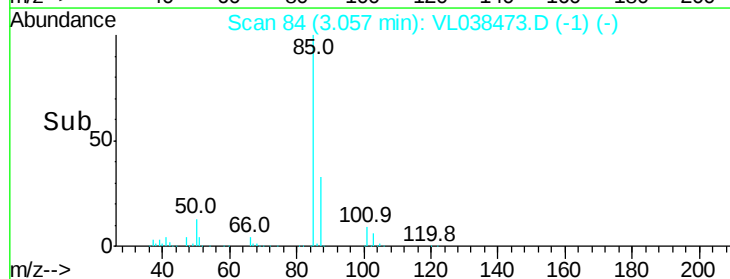
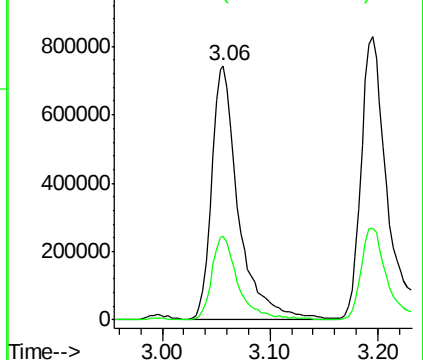
85 100

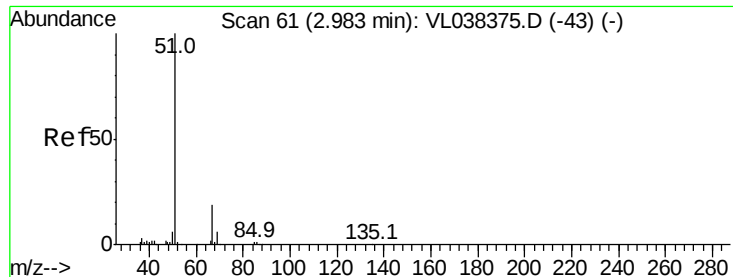
87 32.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.90 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

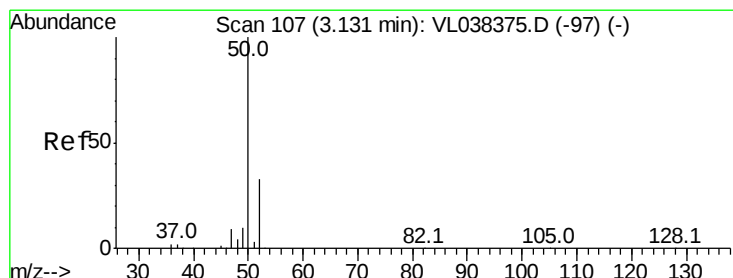
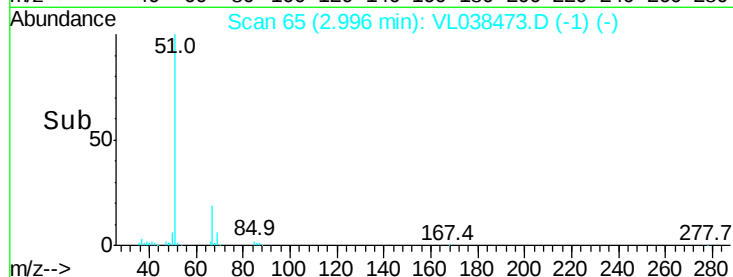
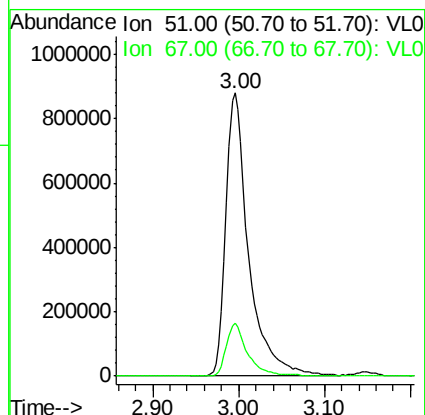
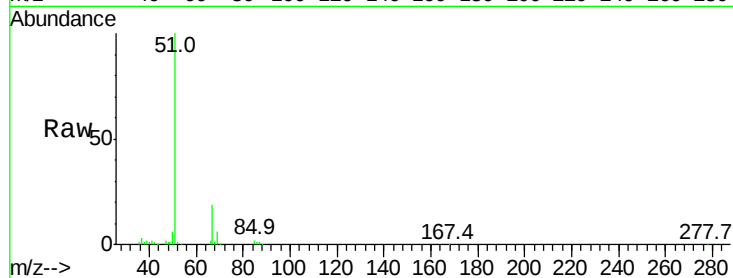
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 51 Resp: 1625762

Ion Ratio Lower Upper

51 100

67 17.8 14.7 22.1



#4

Chloromethane

Concen: 11.14 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL038473.D

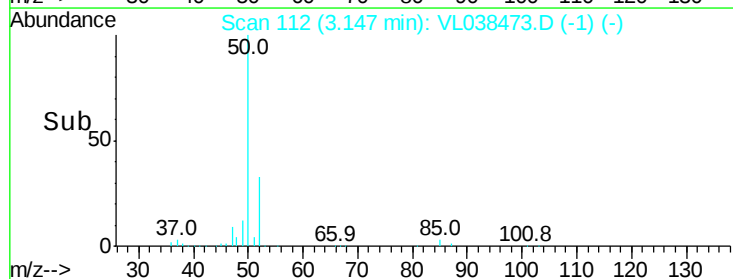
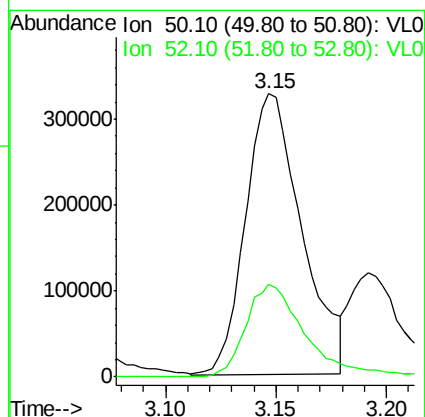
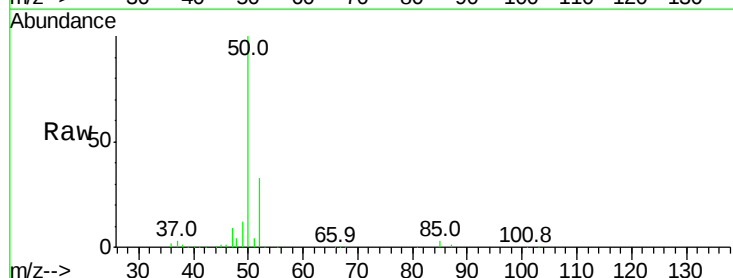
Acq: 2 Mar 2022 5:32

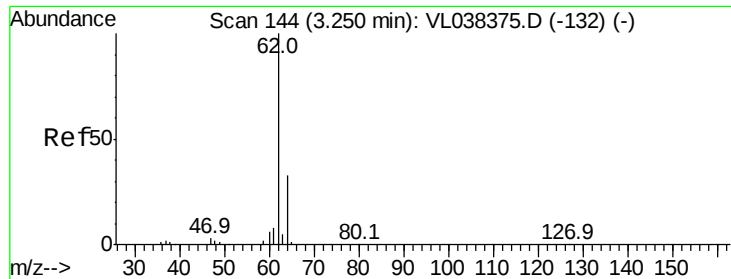
Tgt Ion: 50 Resp: 576891

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7





#5

Vinyl Chloride

Concen: 10.72 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

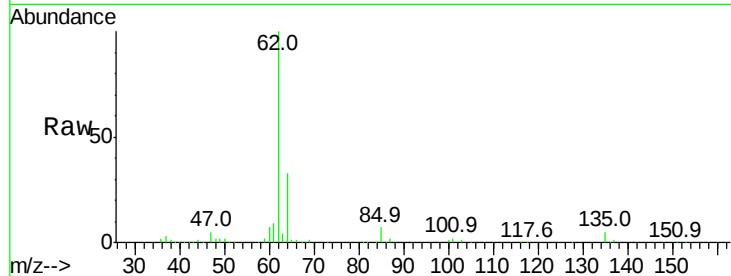
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 62 Resp: 580435

Ion Ratio Lower Upper

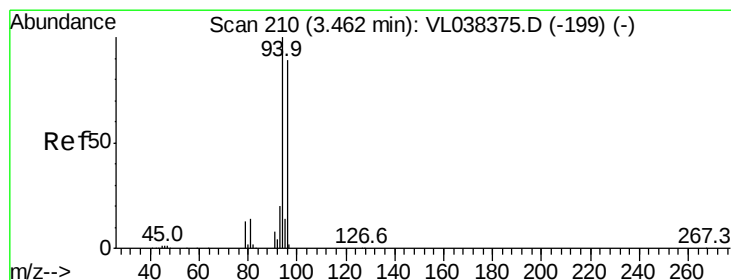
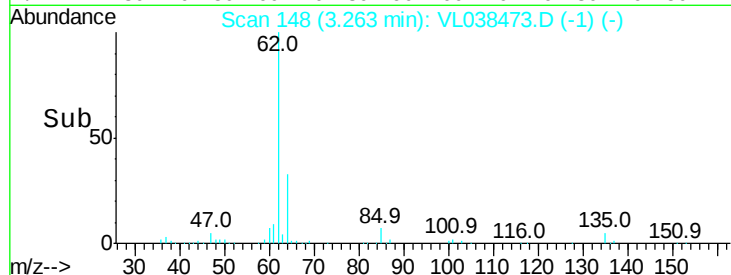
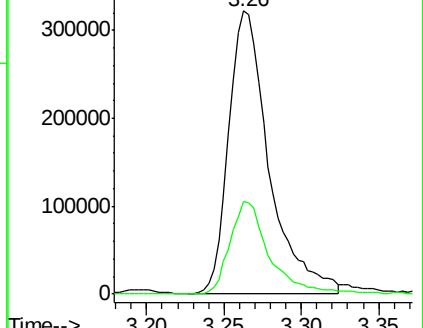
62 100

64 32.9 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: 11.02 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL038473.D

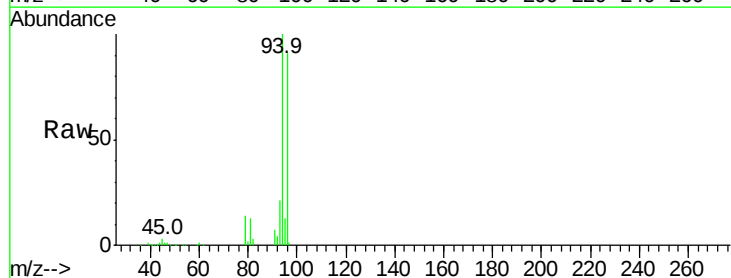
Acq: 2 Mar 2022 5:32

Tgt Ion: 94 Resp: 314819

Ion Ratio Lower Upper

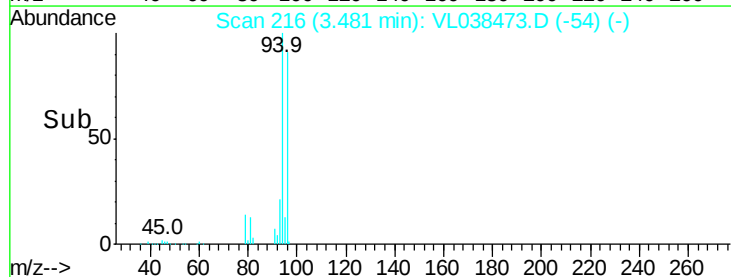
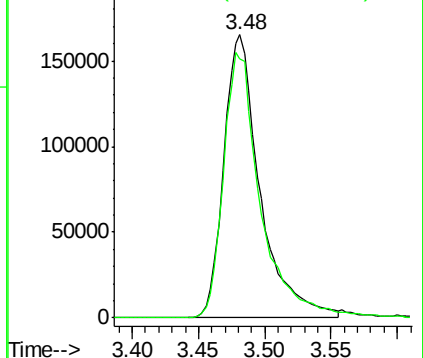
94 100

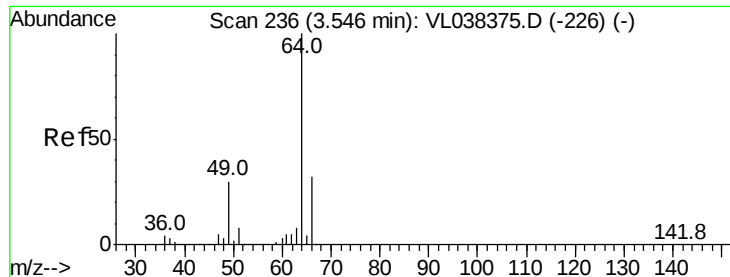
96 91.1 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.10 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

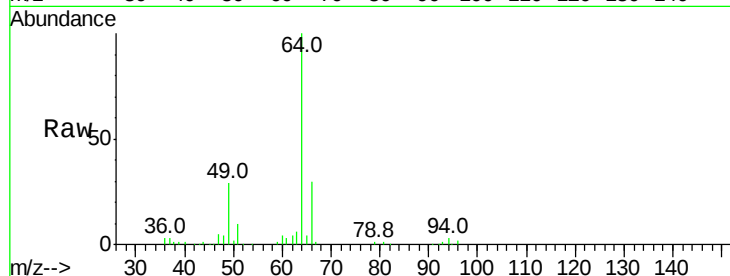
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 64 Resp: 210412

Ion Ratio Lower Upper

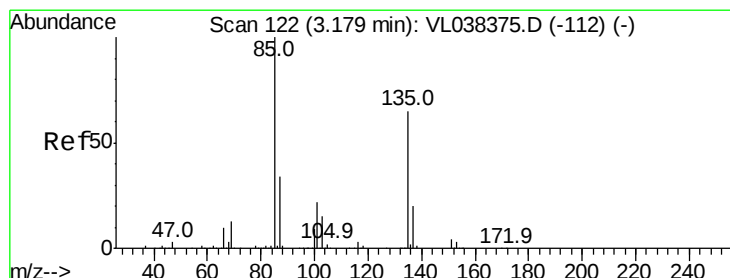
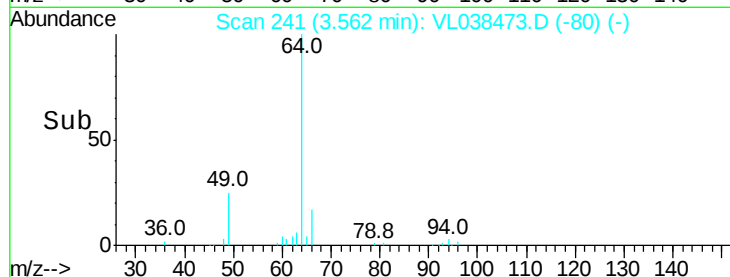
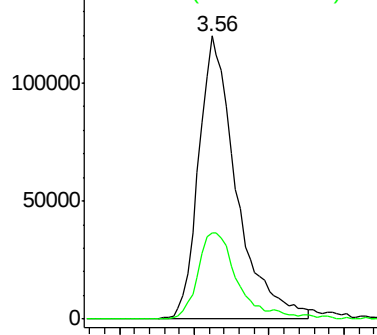
64 100

66 30.4 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.15 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL038473.D

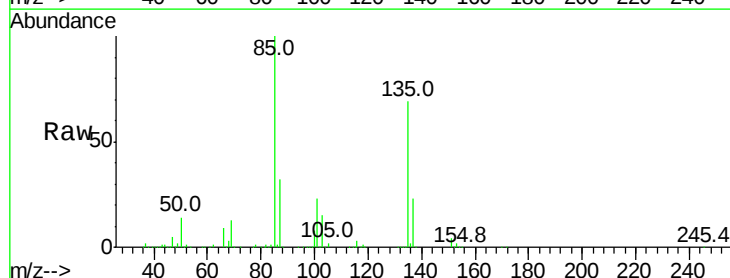
Acq: 2 Mar 2022 5:32

Tgt Ion: 85 Resp: 1386811

Ion Ratio Lower Upper

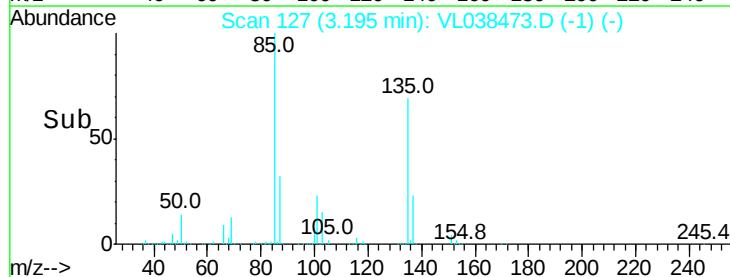
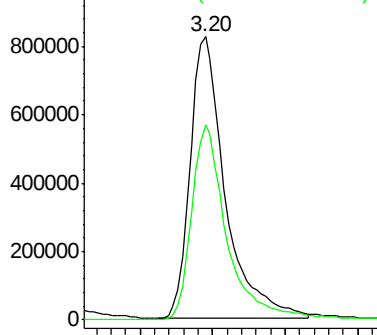
85 100

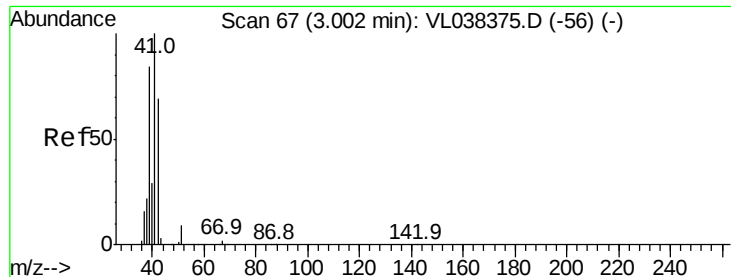
135 70.8 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.44 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02

Lab File: ClientSampleId: VSTDCCC010EC

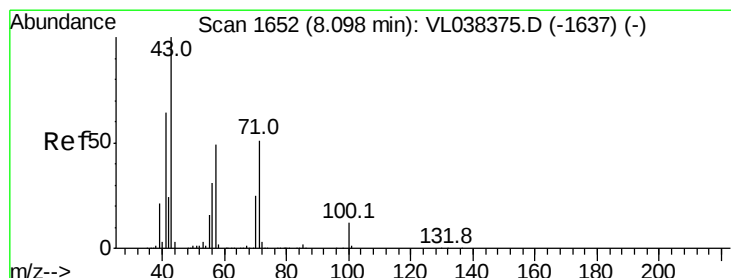
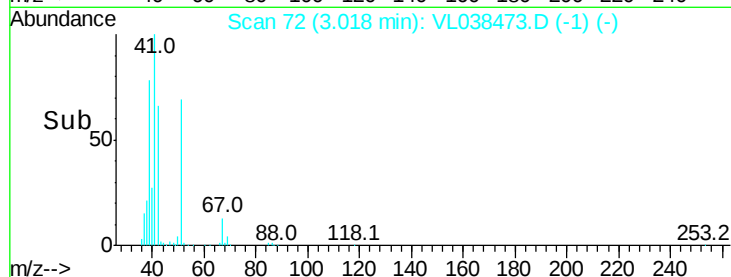
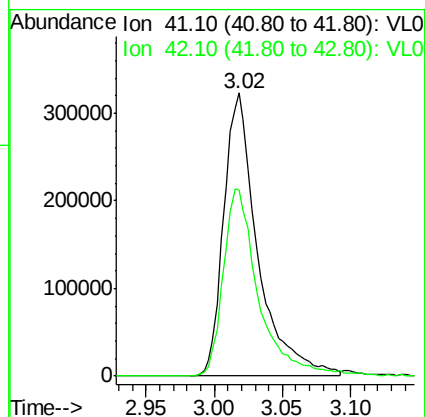
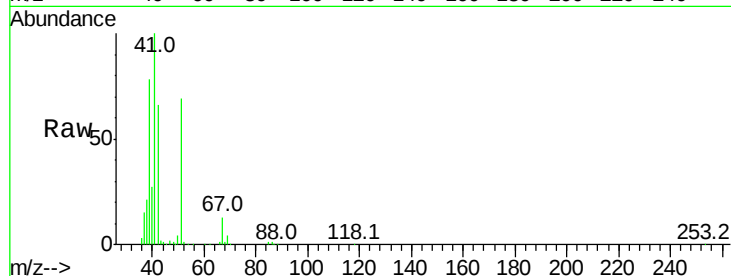
Acq: 2 Mar 2022 5:32

Tgt Ion: 41 Resp: 562958

Ion Ratio Lower Upper

41 100

42 68.7 54.6 82.0



#10

Heptane

Concen: 11.76 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL038473.D

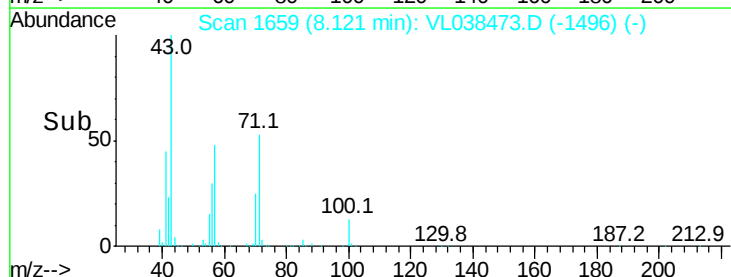
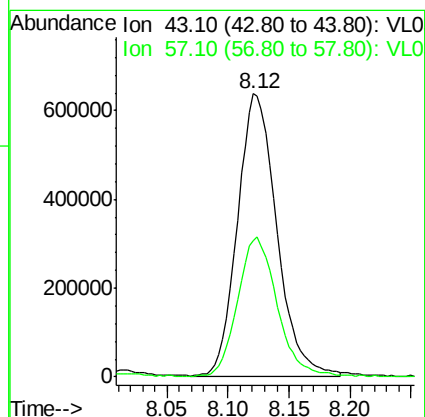
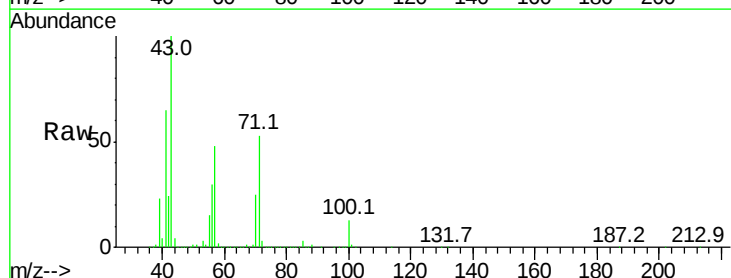
Acq: 2 Mar 2022 5:32

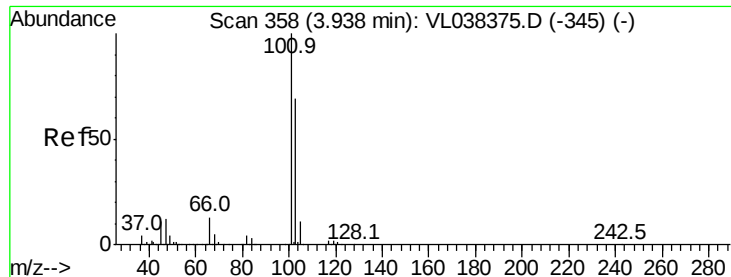
Tgt Ion: 43 Resp: 1409496

Ion Ratio Lower Upper

43 100

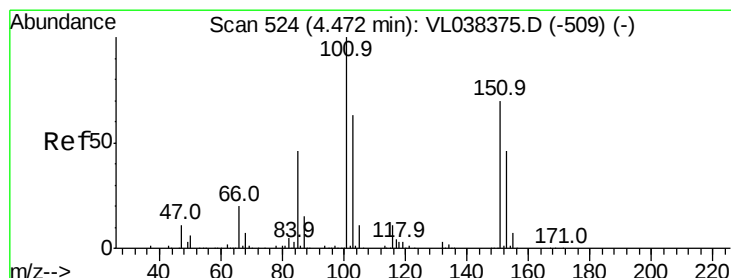
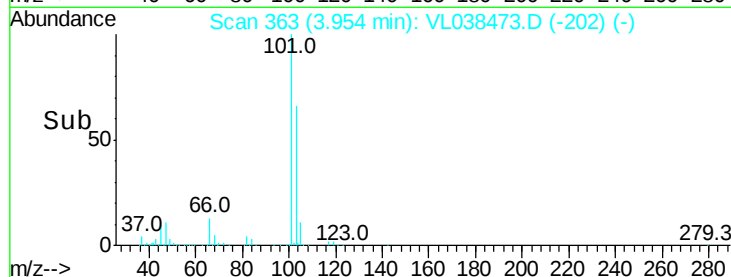
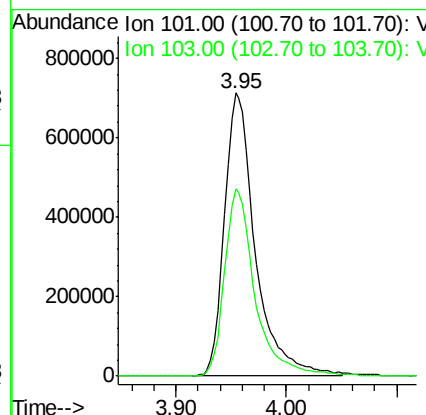
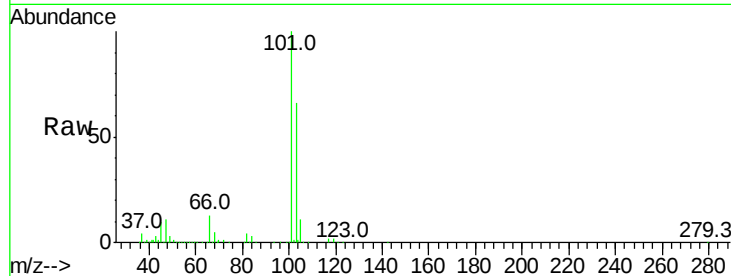
57 50.1 39.8 59.8





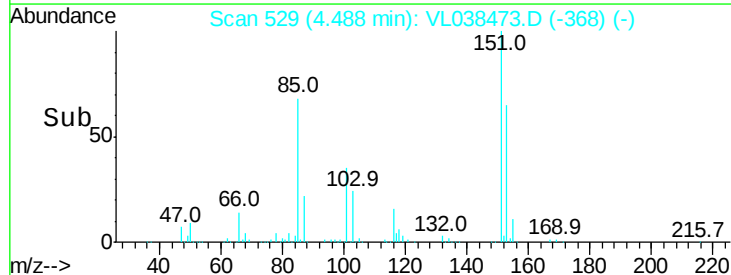
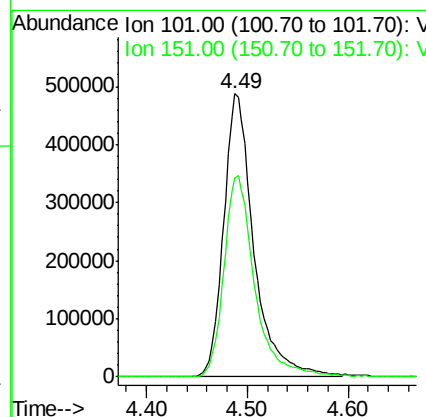
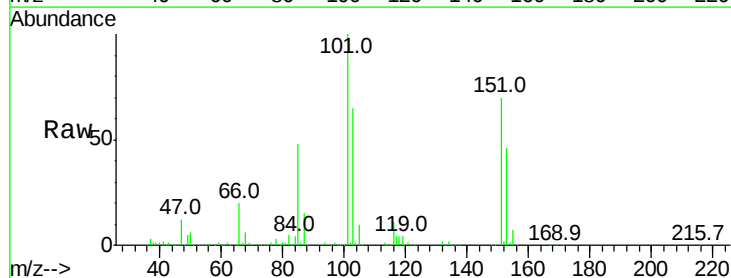
#11
 Trichlorofluoromethane
 Concen: 10.81 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 2 Mar 2022 5:32

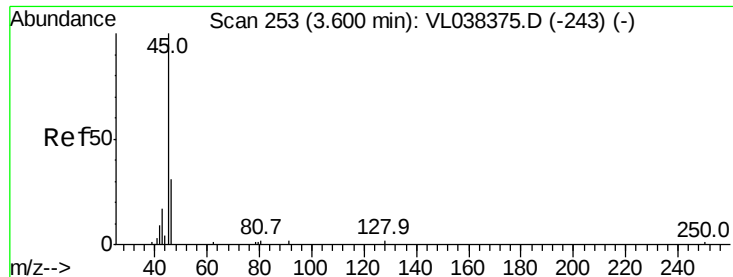
Tgt Ion:101 Resp: 1383969
 Ion Ratio Lower Upper
 101 100
 103 66.0 55.0 82.4



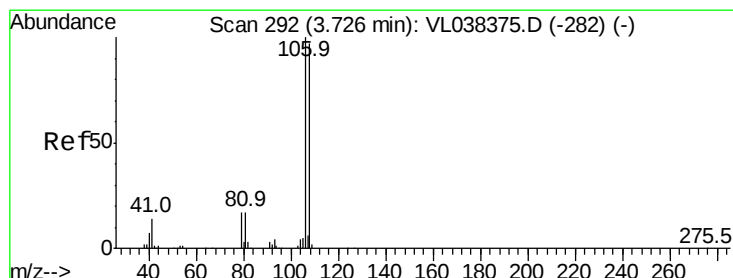
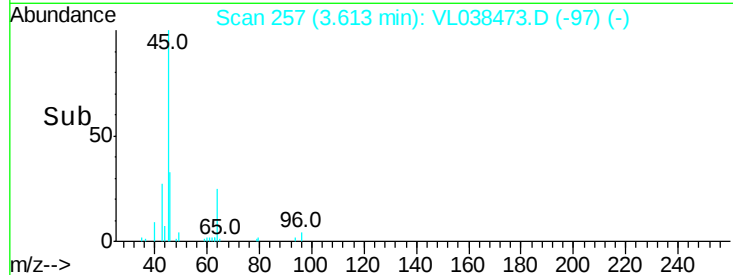
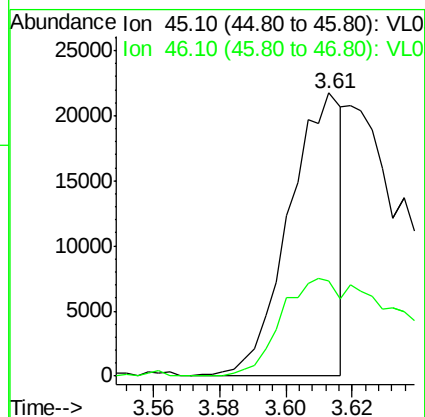
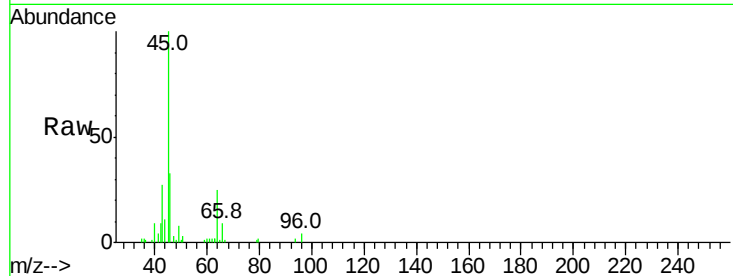
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.89 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T.: 0.02 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion:101 Resp: 1021805
 Ion Ratio Lower Upper
 101 100
 151 72.6 55.9 83.9

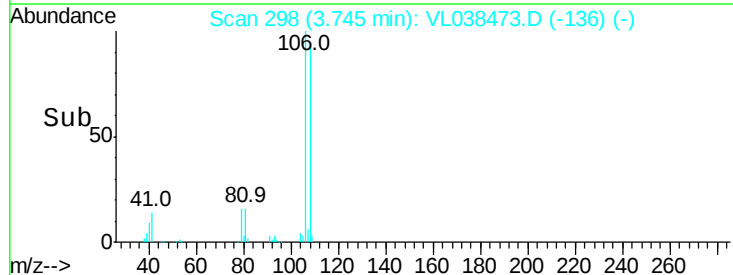
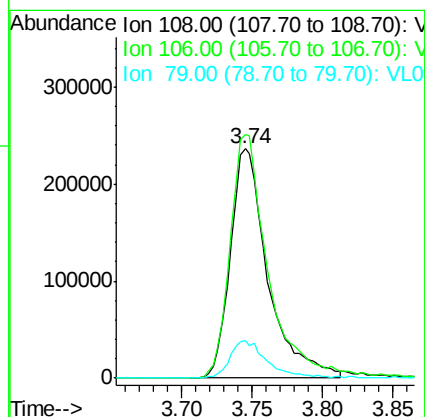
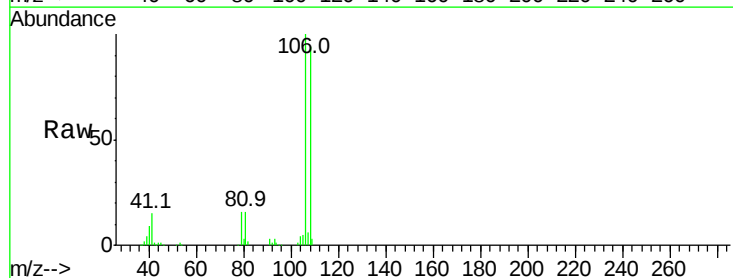


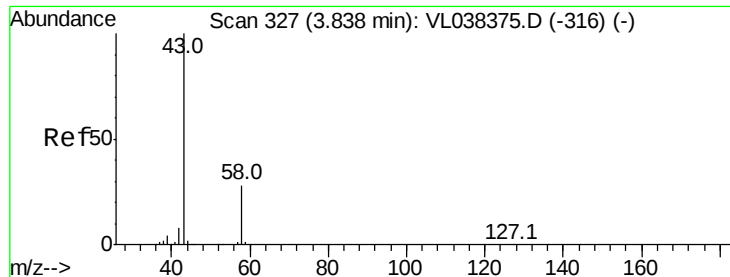


#13
Ethanol
Concen: 4.92 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 5:32
Tgt Ion: 45 Resp: 24177
Ion Ratio Lower Upper
45 100
46 91.6 18.2 72.8#



#14
Bromoethene
Concen: 11.72 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32
Tgt Ion: 108 Resp: 438422
Ion Ratio Lower Upper
108 100
106 109.5 88.4 132.6
79 16.9 15.0 22.6





#15

Acetone

Concen: 9.85 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

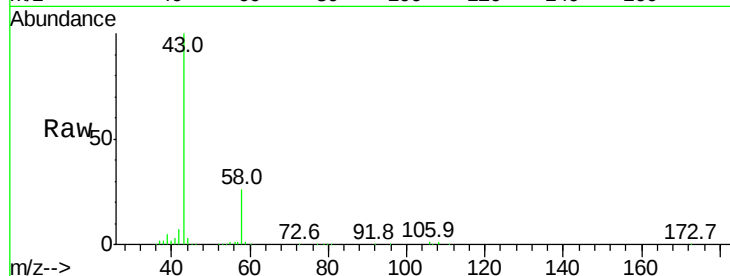
Acq: 2 Mar 2022 5:32

Tgt Ion: 43 Resp: 707149

Ion Ratio Lower Upper

43 100

58 27.0 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

400000

300000

200000

100000

0

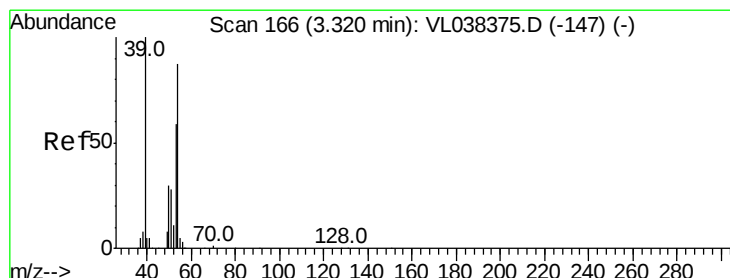
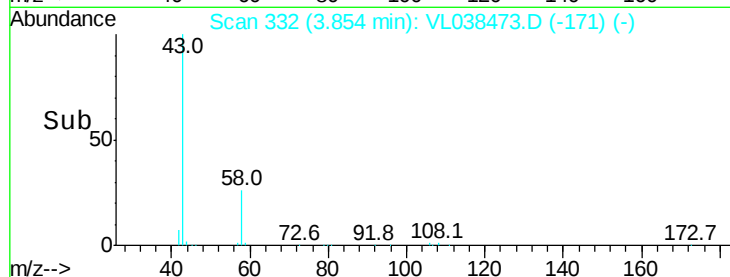
Time-->

3.80

3.85

3.90

3.95



#16

1,3-Butadiene

Concen: 11.66 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL038473.D

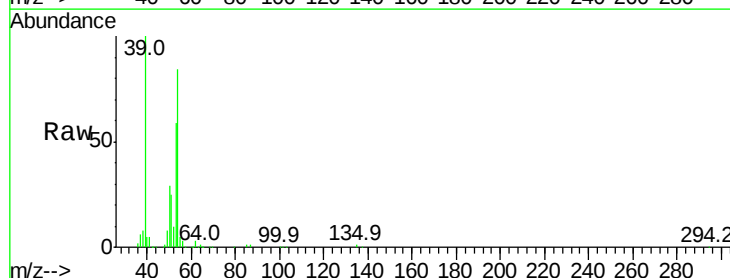
Acq: 2 Mar 2022 5:32

Tgt Ion: 39 Resp: 559029

Ion Ratio Lower Upper

39 100

54 79.0 60.3 90.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

300000

200000

100000

0

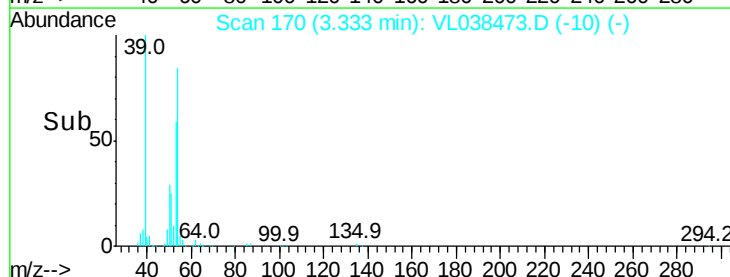
Time-->

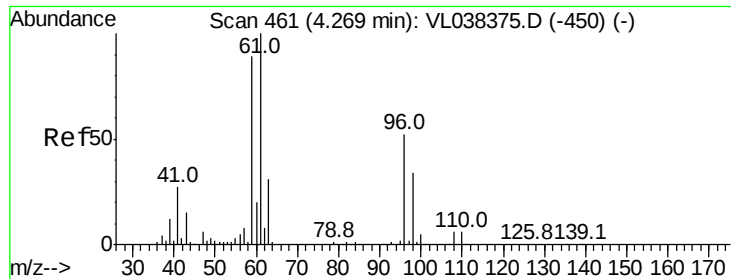
3.25

3.30

3.35

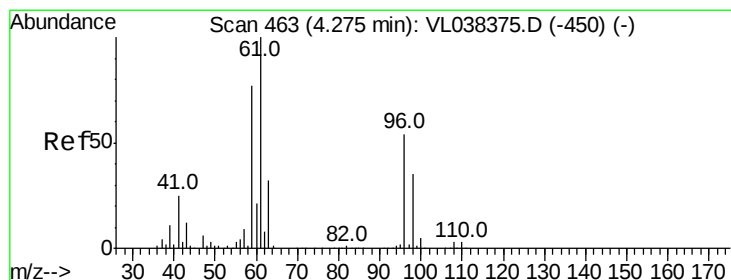
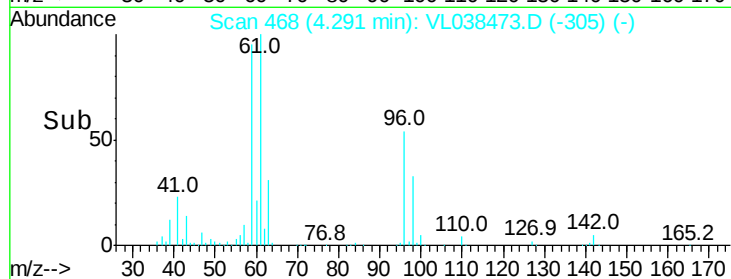
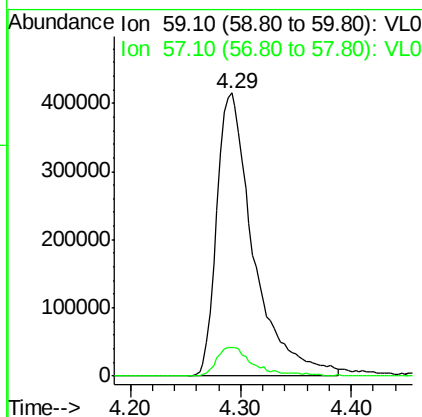
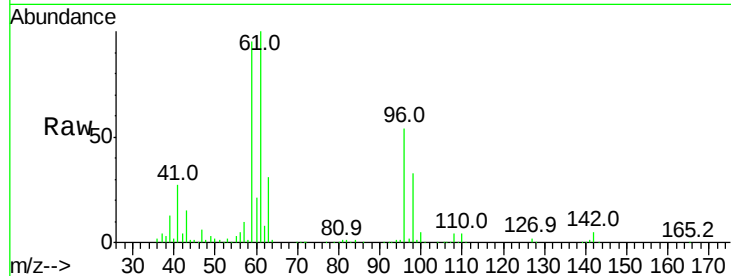
3.40





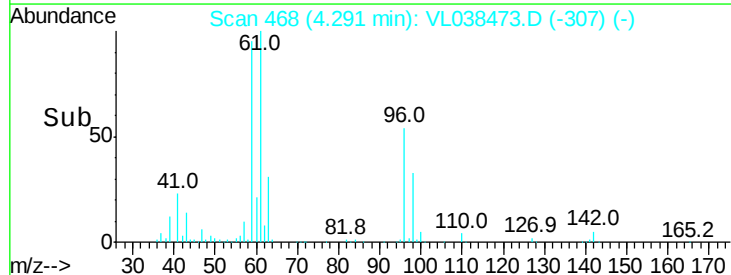
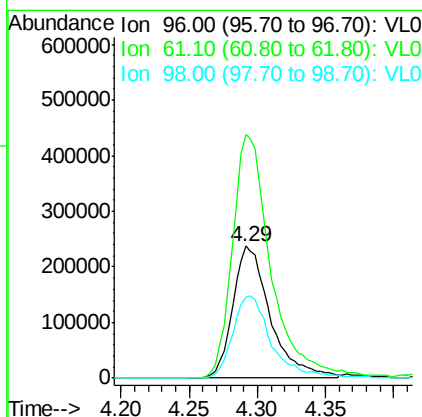
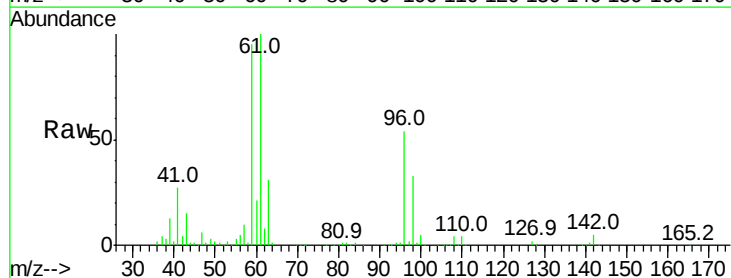
#17
 tert-Butyl alcohol
 Concen: 13.40 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 5:32

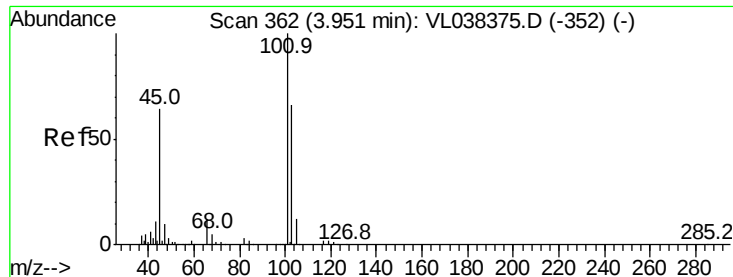
Tgt Ion: 59 Resp: 959997
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 11.01 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion: 96 Resp: 453740
 Ion Ratio Lower Upper
 96 100
 61 184.7 146.8 220.2
 98 61.4 51.5 77.3





#19

Isopropyl Alcohol

Concen: 11.64 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

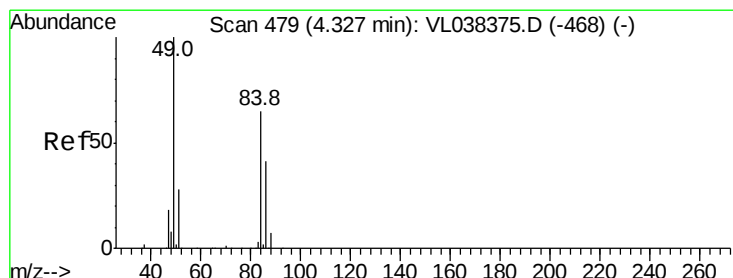
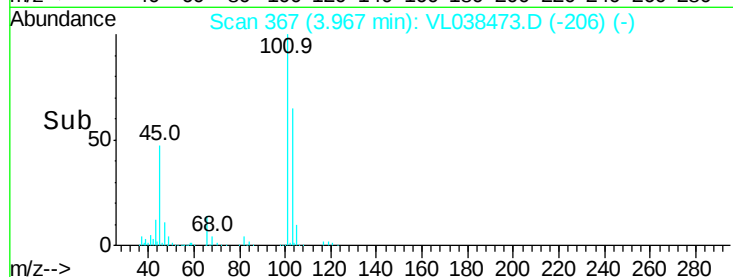
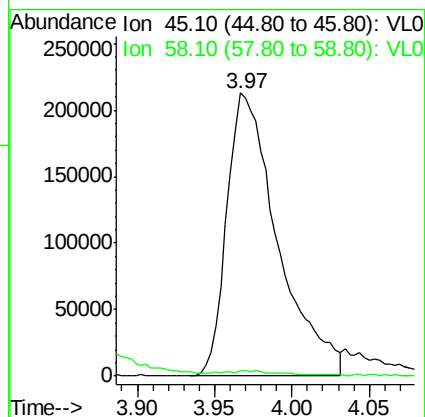
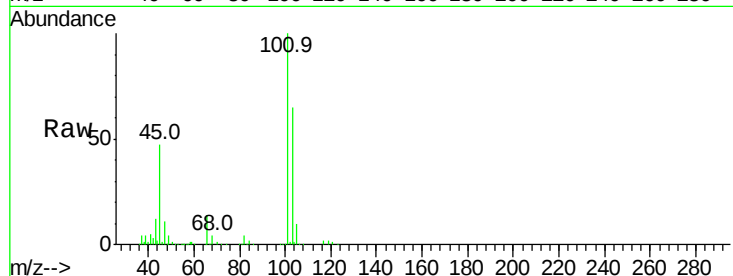
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 45 Resp: 484069

Ion Ratio Lower Upper

45 100

58 2.6 1.8 2.8



#20

Methylene Chloride

Concen: 10.32 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

Tgt Ion: 84 Resp: 367303

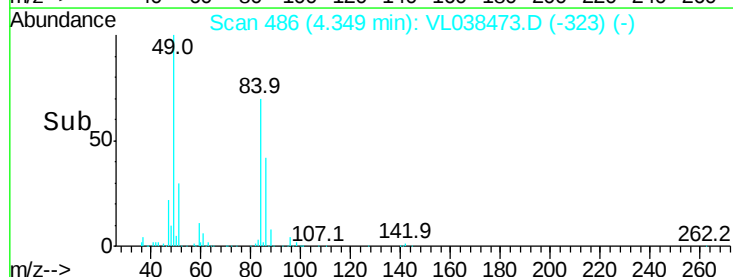
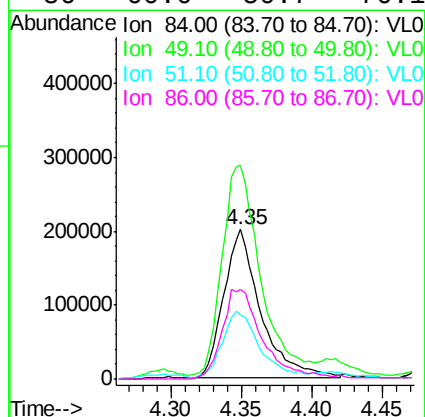
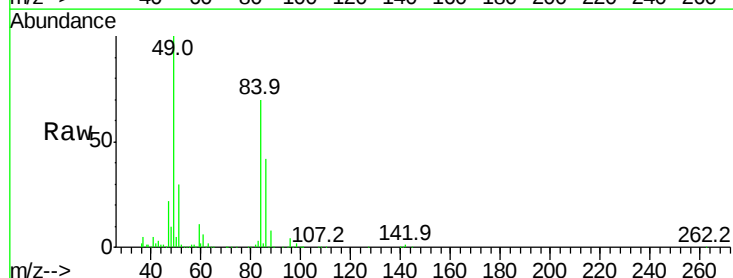
Ion Ratio Lower Upper

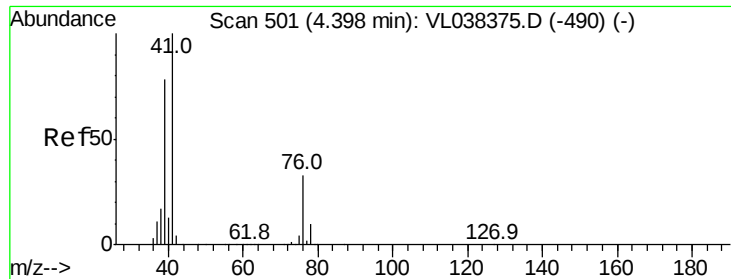
84 100

49 141.3 122.4 183.6

51 41.7 33.3 49.9

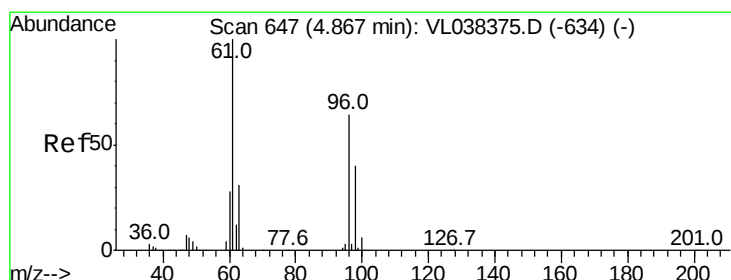
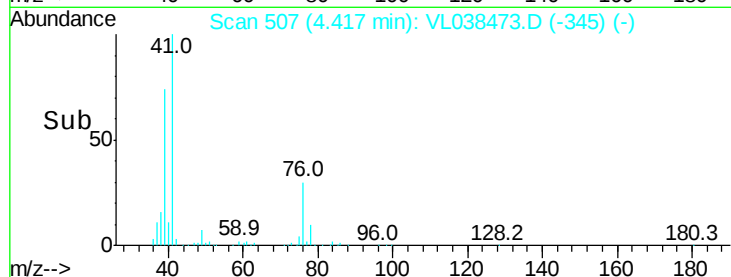
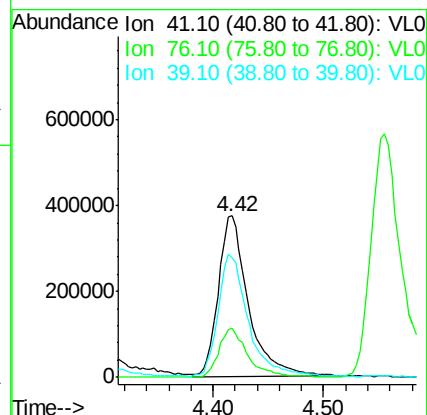
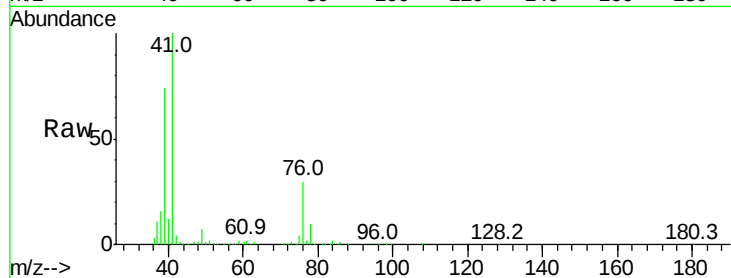
86 60.0 50.7 76.1





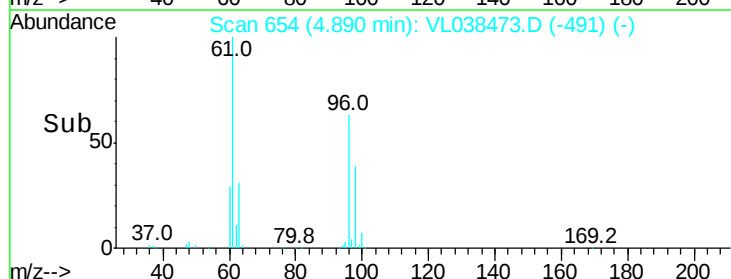
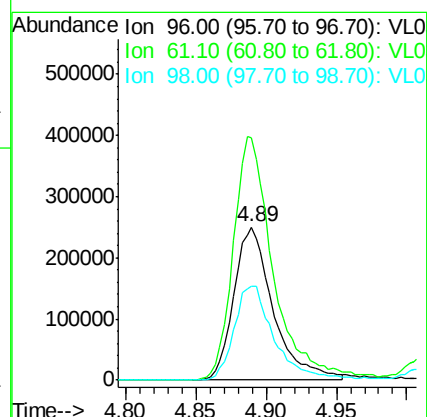
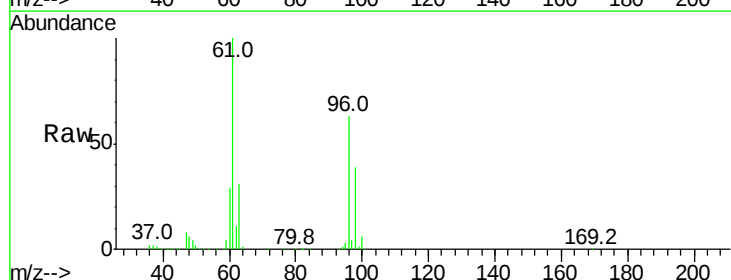
#21
 Allyl Chloride
 Concen: 11.58 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 2 Mar 2022 5:32

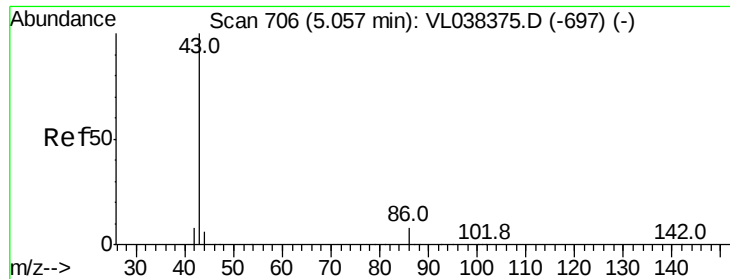
Tgt Ion: 41 Resp: 702238
 Ion Ratio Lower Upper
 41 100
 76 30.0 25.4 38.0
 39 77.1 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 11.75 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.02 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion: 96 Resp: 488684
 Ion Ratio Lower Upper
 96 100
 61 158.4 124.2 186.4
 98 61.1 49.1 73.7

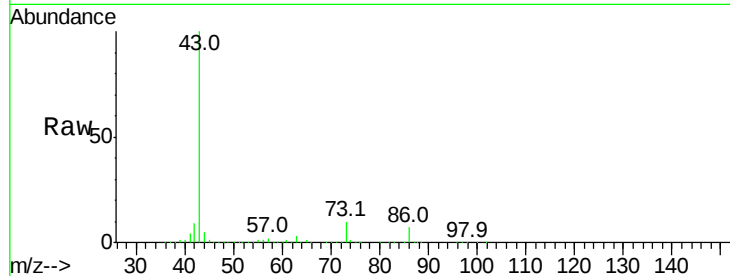




#23
 Vinyl Acetate
 Concen: 11.81 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 2 Mar 2022 5:32

Tgt Ion: 43 Resp: 1123883

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	9.1	7.4	11.0
44	5.0	4.2	6.2

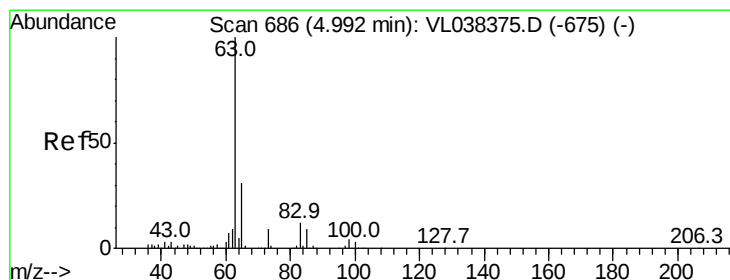
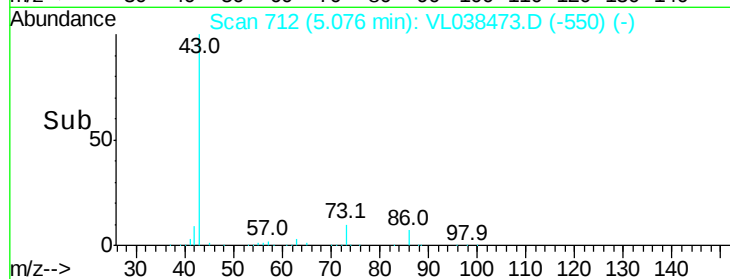
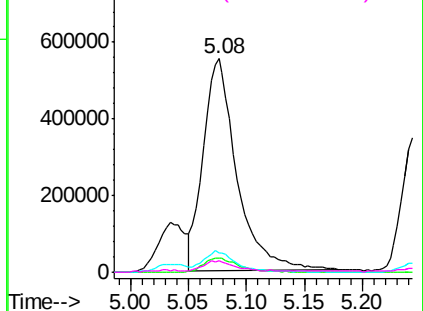


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

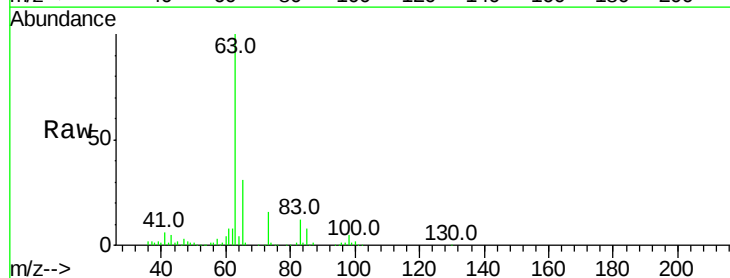
Ion 44.10 (43.80 to 44.80): VL0



#24
 1,1-Dichloroethane
 Concen: 11.24 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T.: 0.02 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion: 63 Resp: 961770

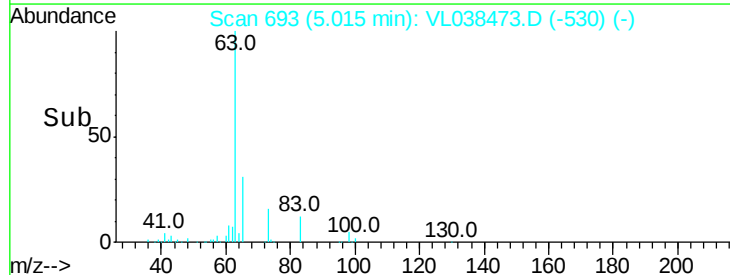
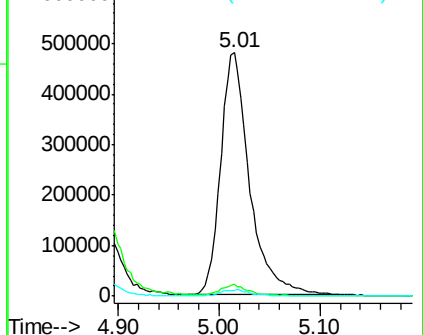
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.4	1.4	4.2

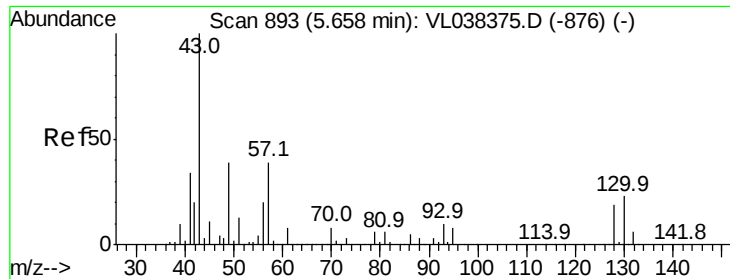


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

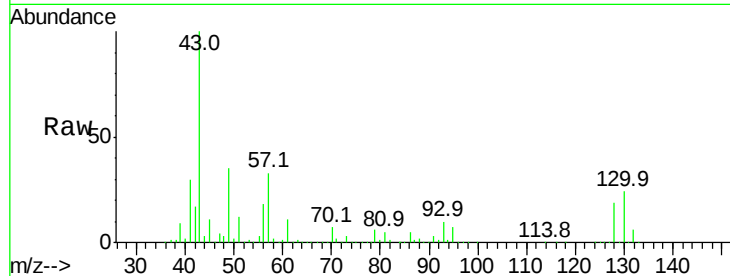




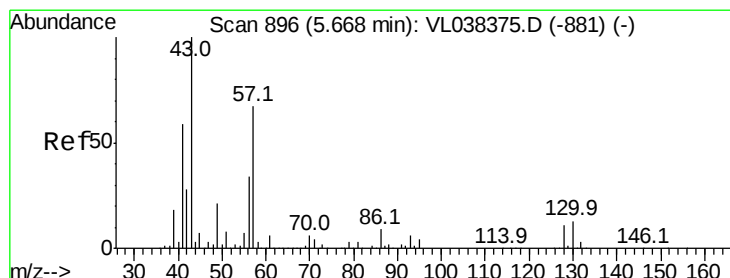
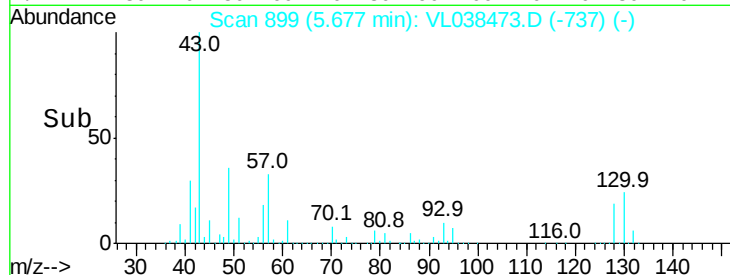
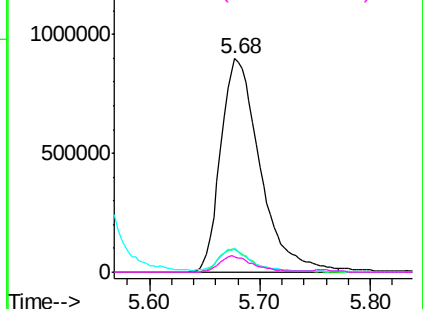
#25
Ethyl Acetate
Concen: 11.51 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 2 Mar 2022 5:32

Tgt Ion: 43 Resp: 2219967

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.9	7.5	11.3
70	6.6	5.4	8.0



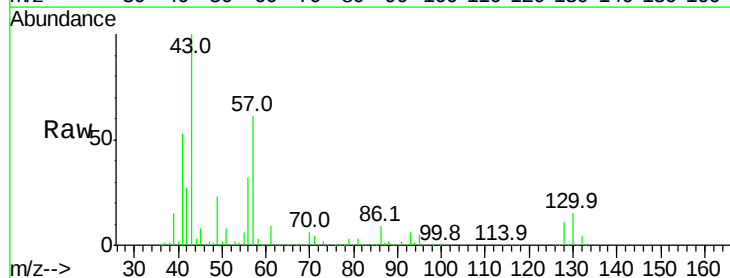
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



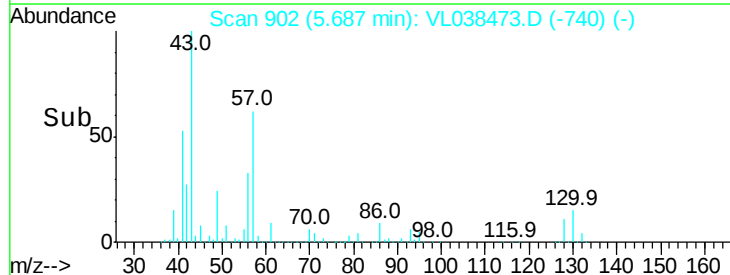
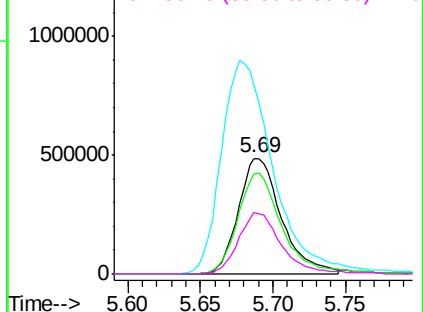
#26
Hexane
Concen: 11.54 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32

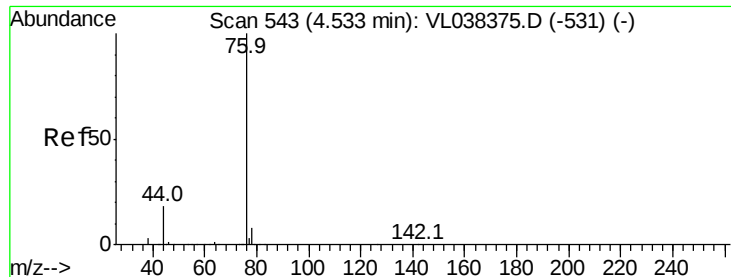
Tgt Ion: 57 Resp: 1007903

Ion	Ratio	Lower	Upper
57	100		
41	90.1	73.1	109.7
43	224.9	181.0	271.4
56	53.5	43.4	65.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.54 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32 VSTDCCC010EC

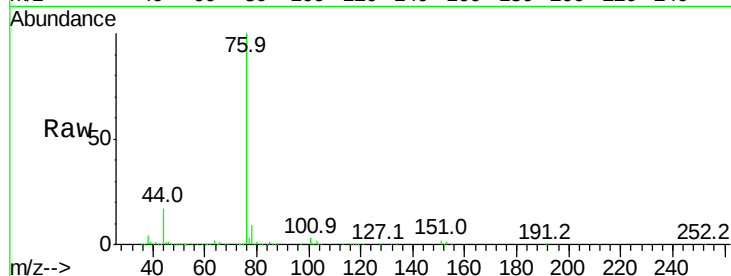
Tgt Ion: 76 Resp: 1121041

Ion Ratio Lower Upper

76 100

44 17.6 14.2 21.2

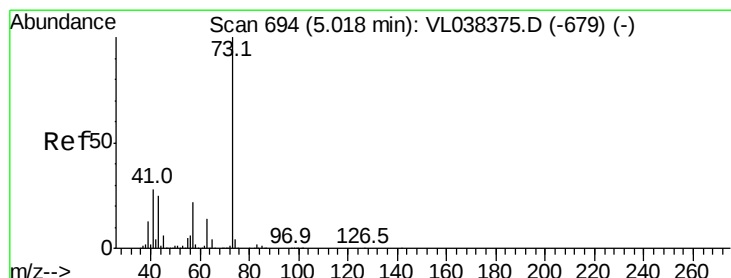
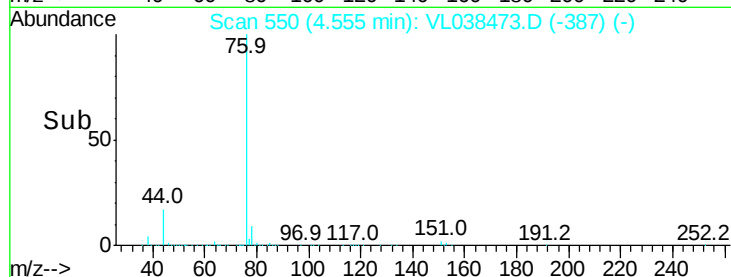
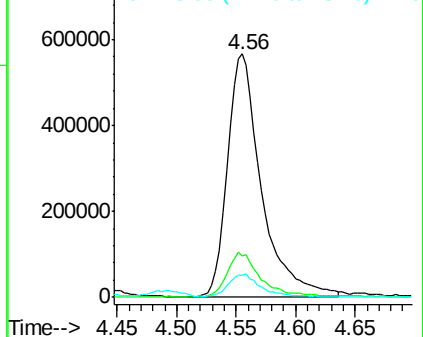
78 9.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.44 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL038473.D

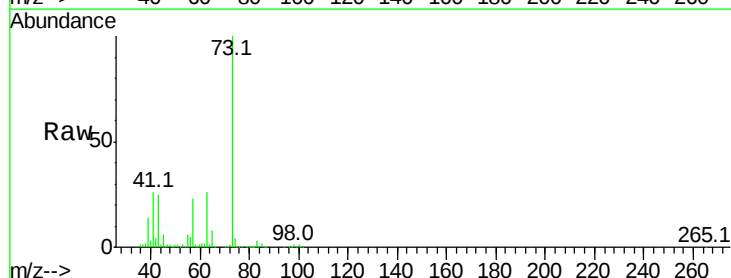
Acq: 2 Mar 2022 5:32

Tgt Ion: 73 Resp: 1017952

Ion Ratio Lower Upper

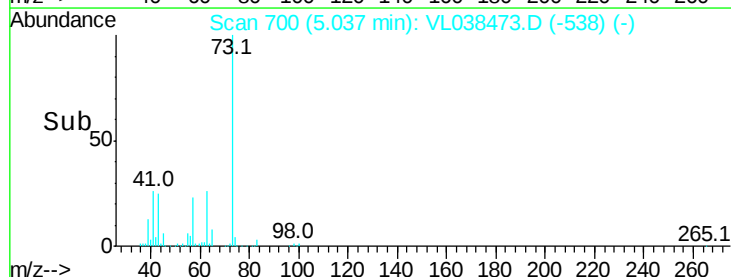
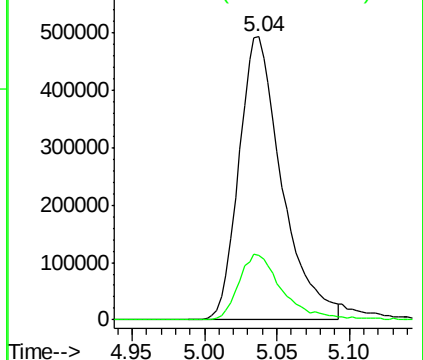
73 100

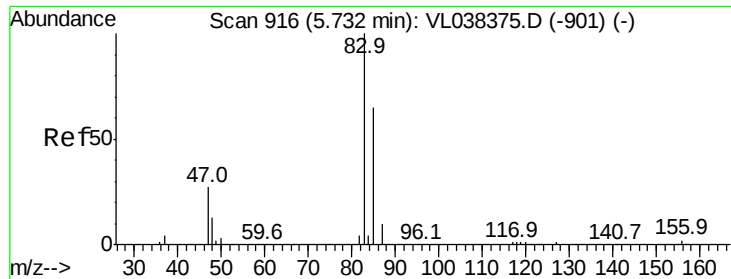
57 24.0 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.38 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

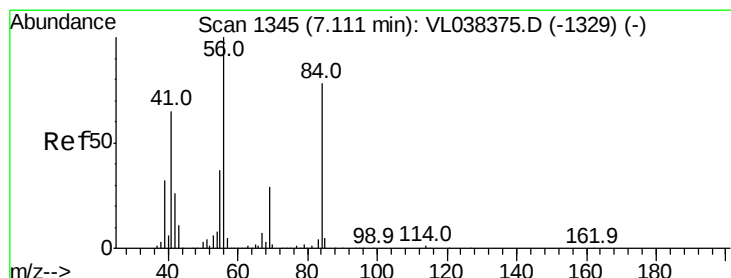
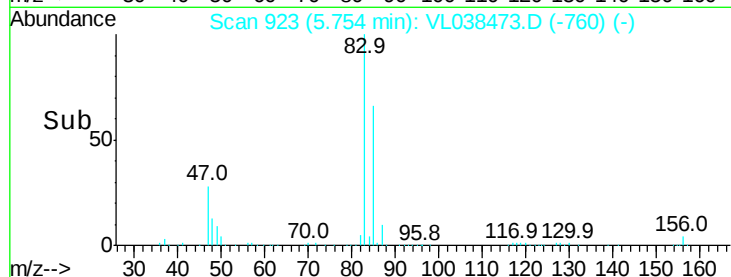
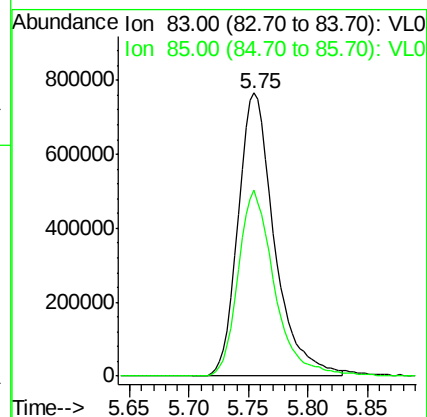
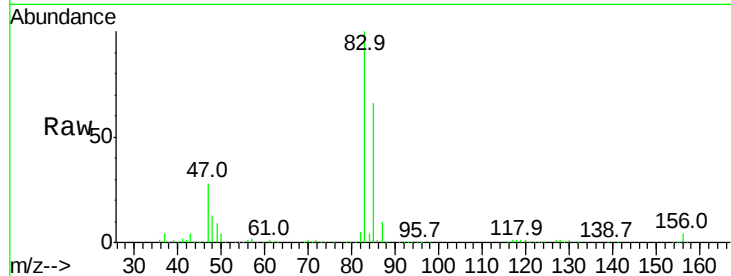
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 83 Resp: 1622362

Ion Ratio Lower Upper

83 100

85 65.4 51.6 77.4



#30

Cyclohexane

Concen: 12.60 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.02 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

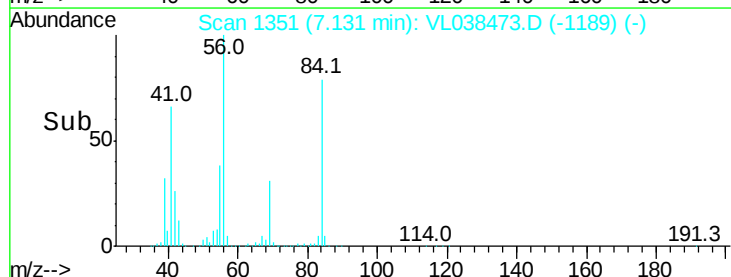
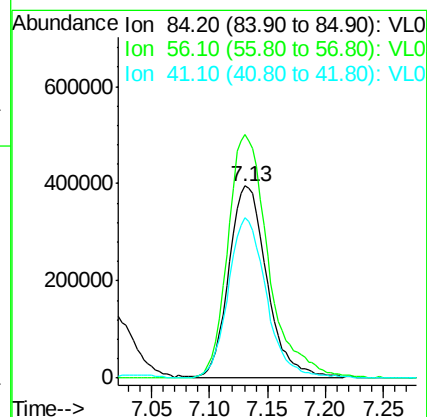
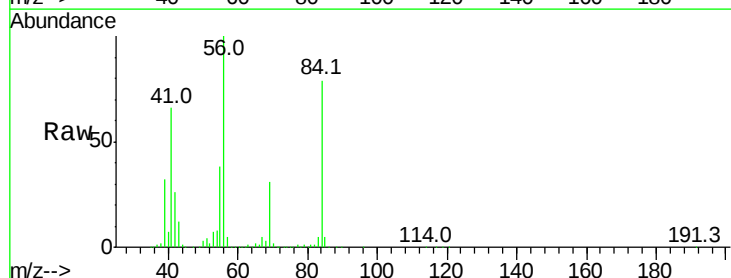
Tgt Ion: 84 Resp: 900121

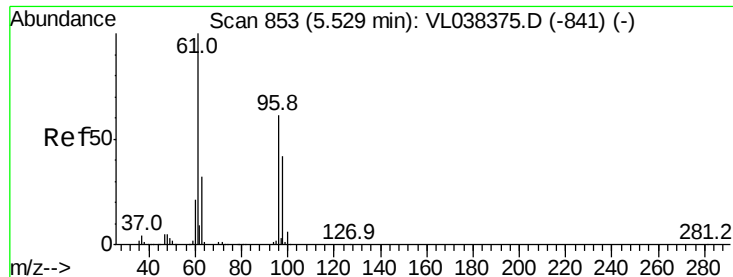
Ion Ratio Lower Upper

84 100

56 136.3 116.2 174.4

41 83.4 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 12.14 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32 VSTDCCC010EC

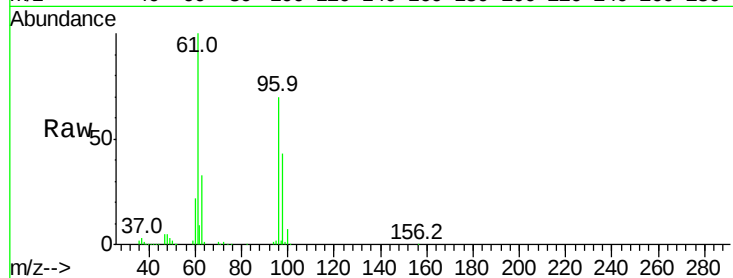
Tgt Ion: 61 Resp: 1027536

Ion Ratio Lower Upper

61 100

96 70.0 48.6 73.0

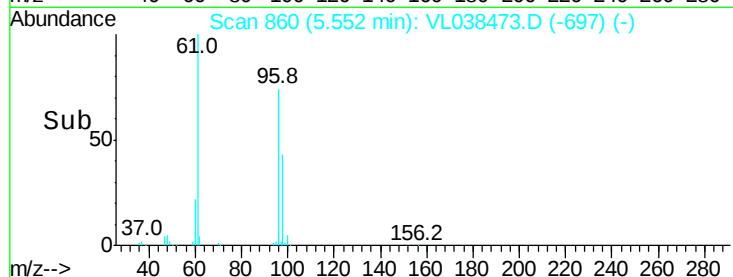
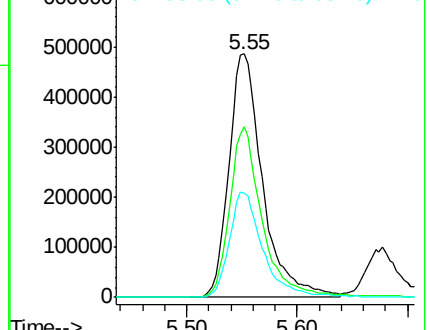
98 42.7 33.2 49.8



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: 11.27 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

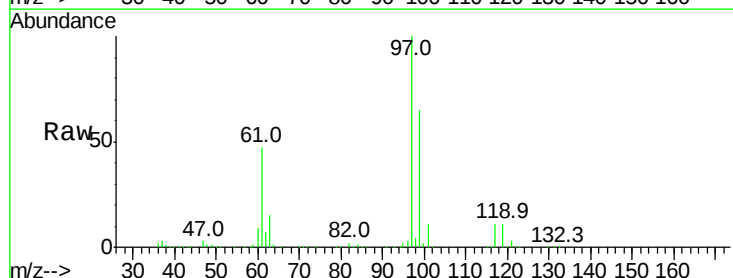
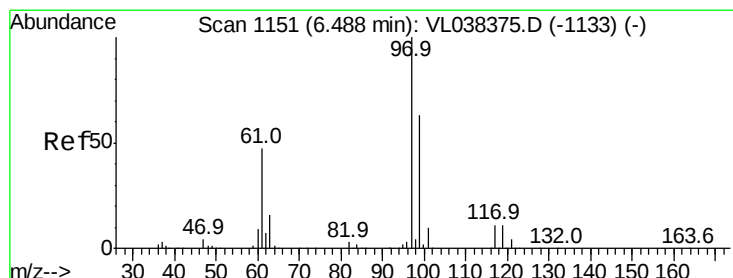
Tgt Ion: 97 Resp: 1616157

Ion Ratio Lower Upper

97 100

99 65.0 51.9 77.9

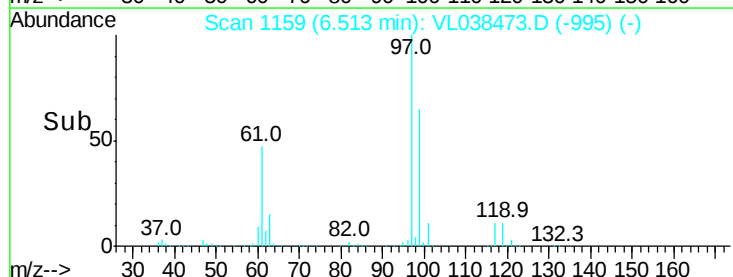
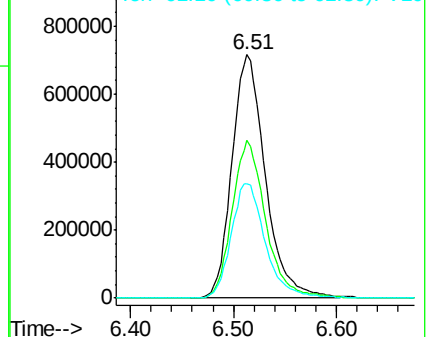
61 48.1 40.5 60.7

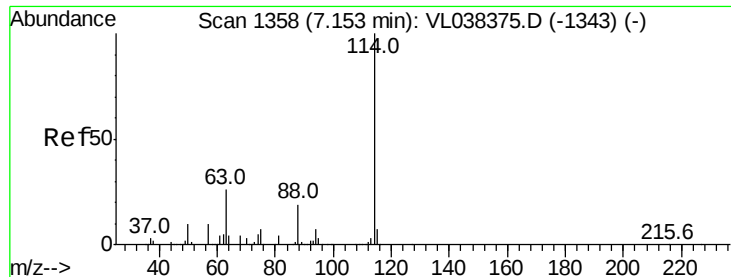


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

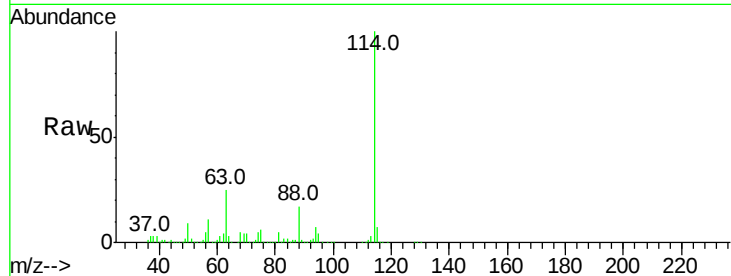
Ion 61.10 (60.80 to 61.80): VL0



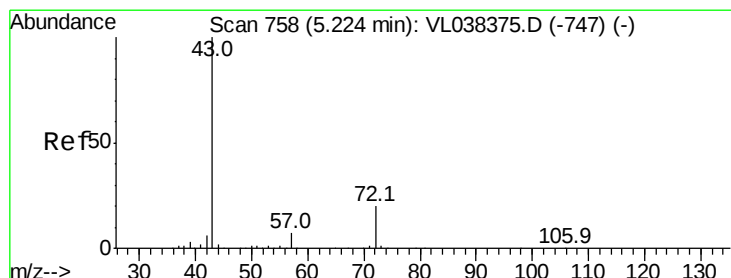
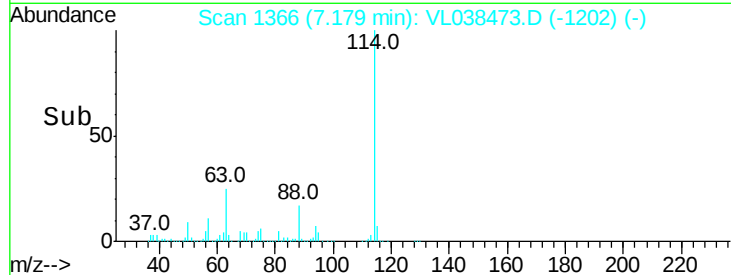
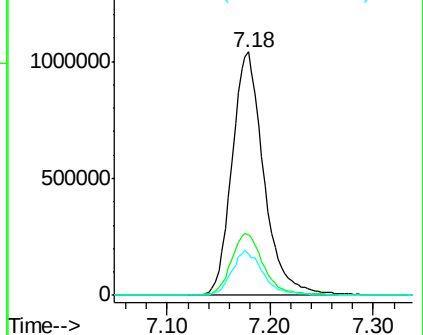


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 2 Mar 2022 5:32

Tgt Ion: 114 Resp: 2231157
 Ion Ratio Lower Upper
 114 100
 63 26.4 22.2 33.2
 88 18.2 15.2 22.8

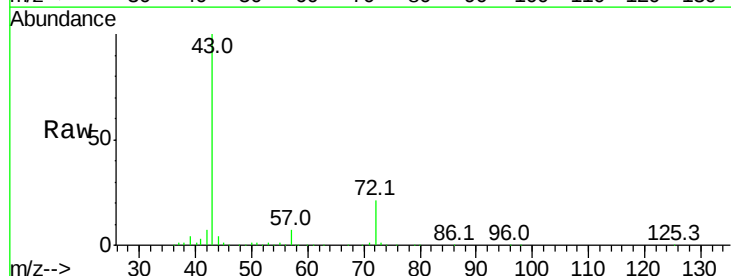


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

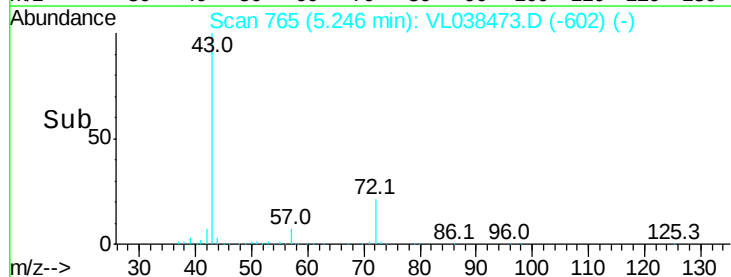
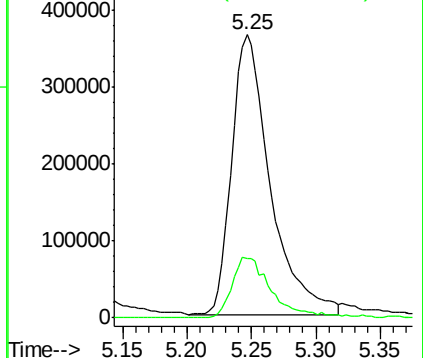


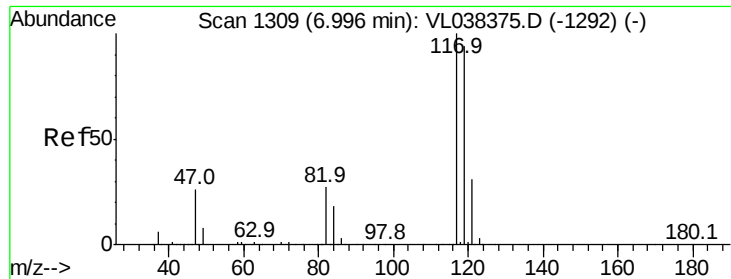
#34
 2-Butanone
 Concen: 10.75 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T.: 0.02 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion: 43 Resp: 754659
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.4 26.2



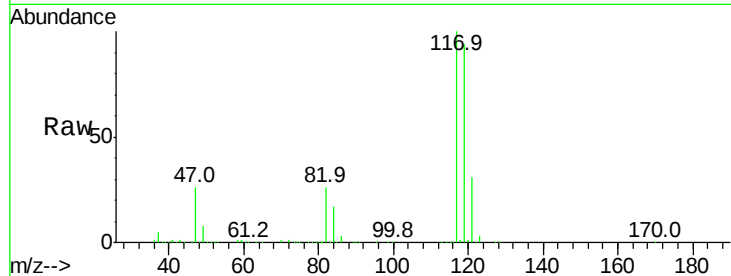
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



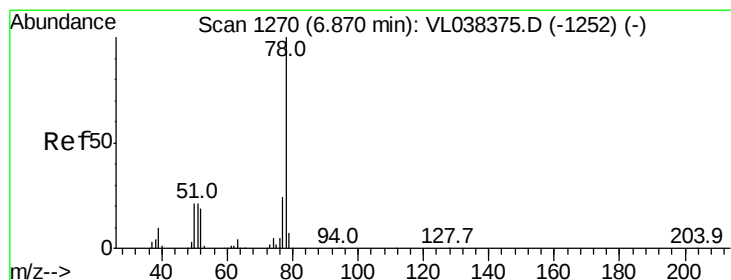
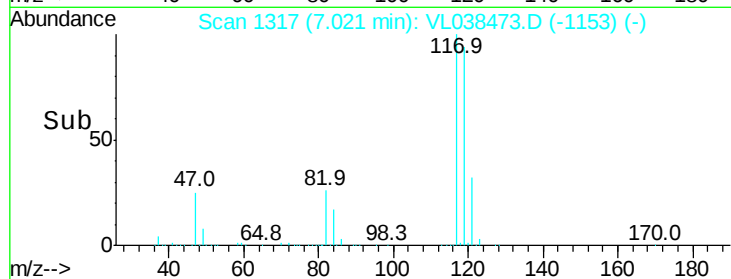
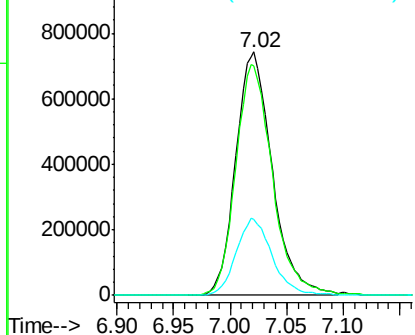


#35
Carbon Tetrachloride
Concen: 10.63 ppbv
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 2 Mar 2022 5:32

Tgt Ion: 117 Resp: 1668309
Ion Ratio Lower Upper
117 100
119 94.3 74.9 112.3
121 31.4 24.8 37.2

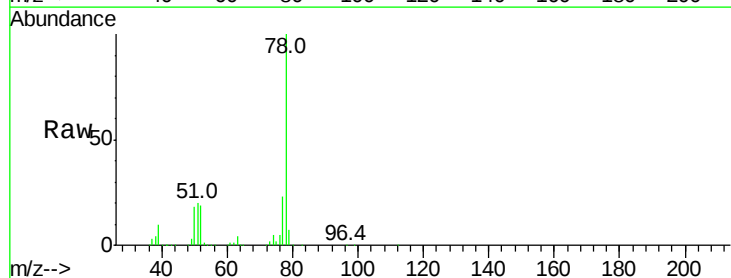


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

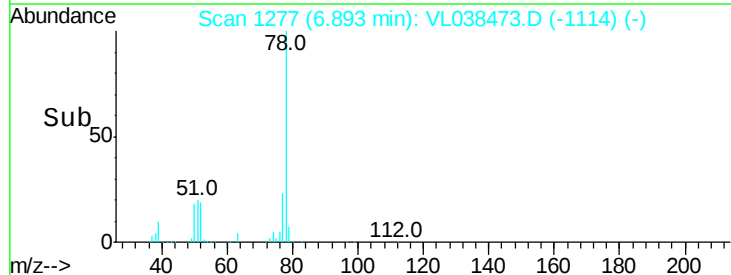
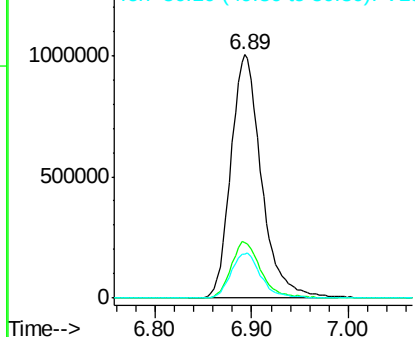


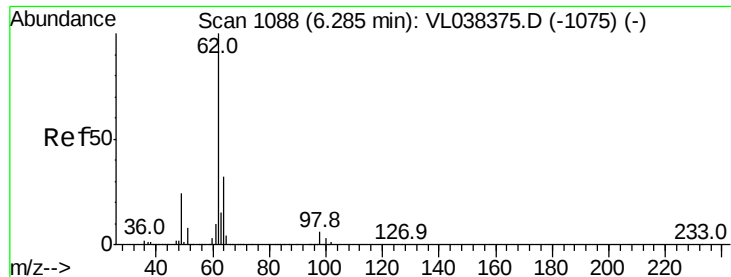
#36
Benzene
Concen: 11.20 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32

Tgt Ion: 78 Resp: 2200463
Ion Ratio Lower Upper
78 100
77 22.7 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: 10.40 ppbv

RT: 6.31

Instrument: MSVOA_1

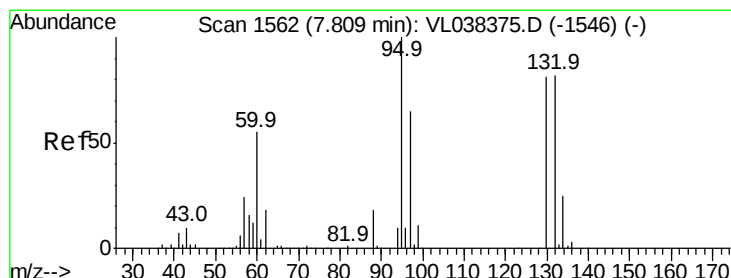
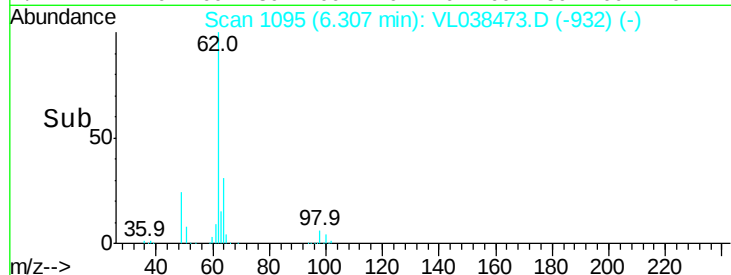
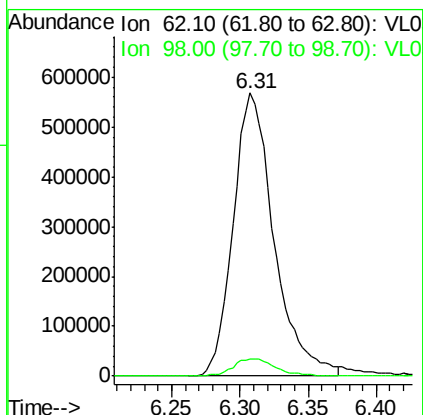
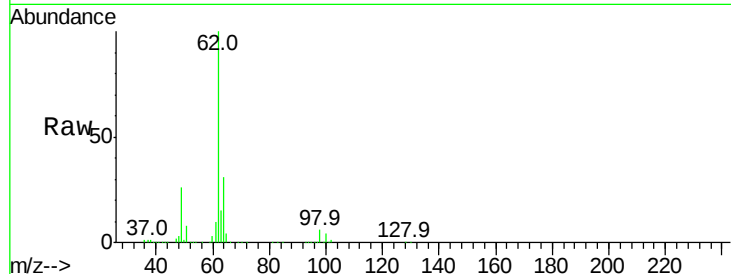
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 2 Mar 2022 5:32

Tgt Ion: 62 Resp: 1179983

Ion	Ratio	Lower	Upper
62	100		
98	6.7	4.6	7.0



#38

Trichloroethene

Concen: 11.22 ppbv

RT: 7.83 min Scan# 1570

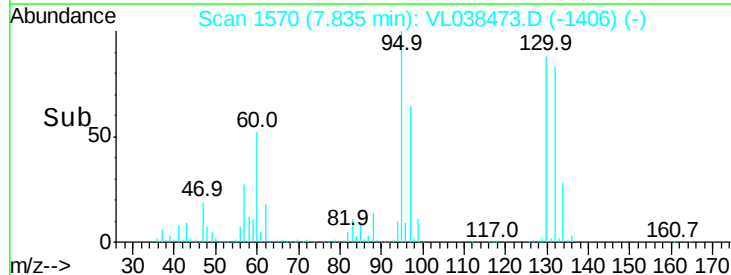
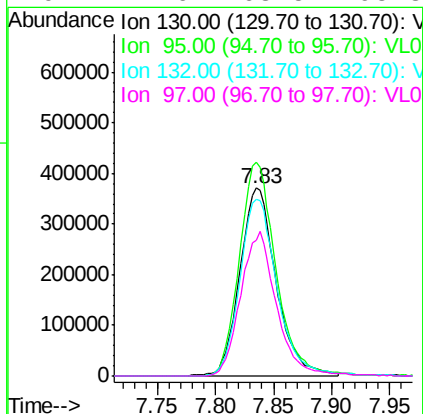
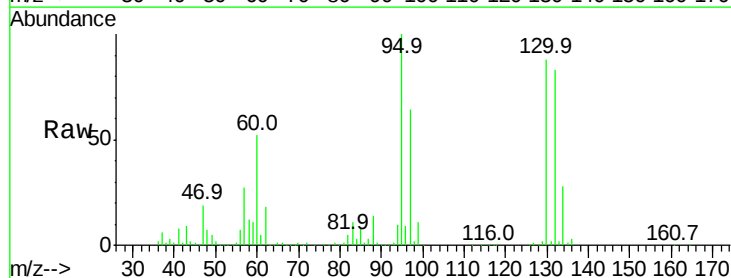
Delta R.T. 0.03 min

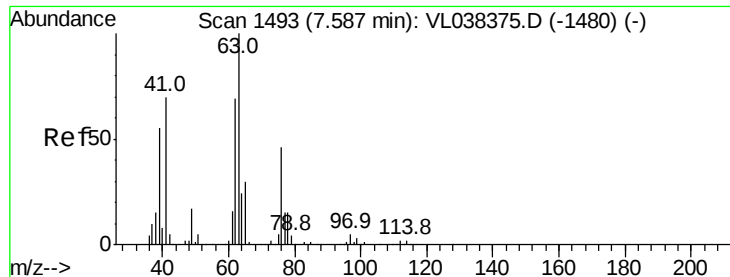
Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

Tgt Ion: 130 Resp: 803004

Ion	Ratio	Lower	Upper
130	100		
95	114.0	98.1	147.1
132	94.1	80.3	120.5
97	72.6	63.5	95.3





#39

1,2-Dichloropropane

Concen: 10.79 ppbv

RT: 7.61

Instrument: MSVOA_1

Delta R.T.

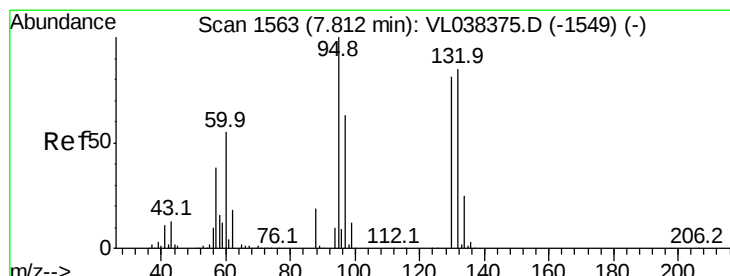
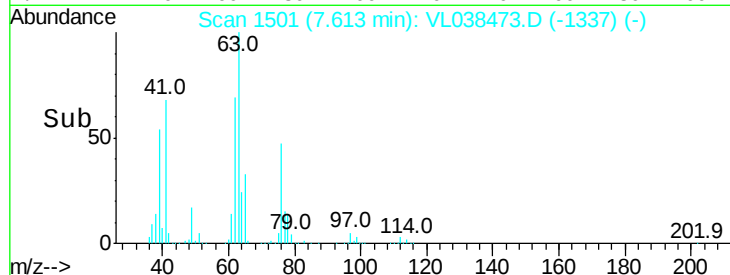
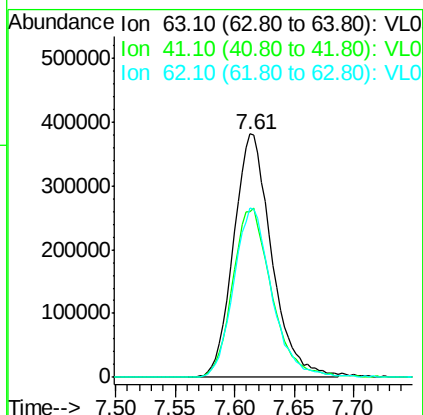
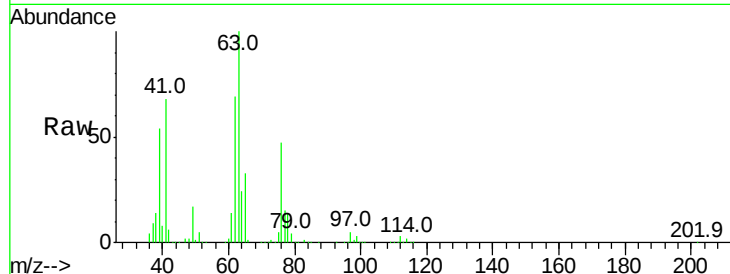
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 2 Mar 2022 5:32

Tgt Ion: 63 Resp: 844520

Ion	Ratio	Lower	Upper
63	100		
41	68.2	56.1	84.1
62	69.5	55.5	83.3



#40

1,4-Dioxane

Concen: 8.75 ppbv

RT: 7.84 min Scan# 1571

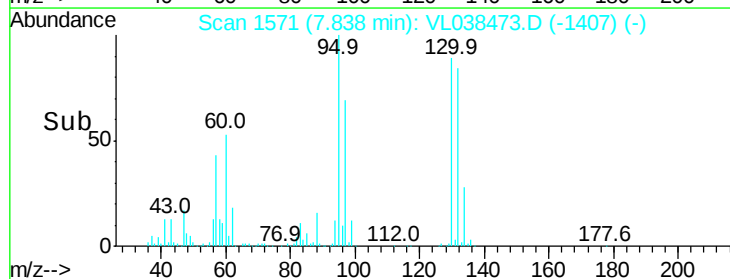
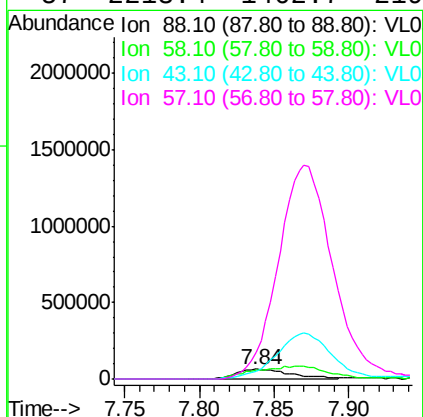
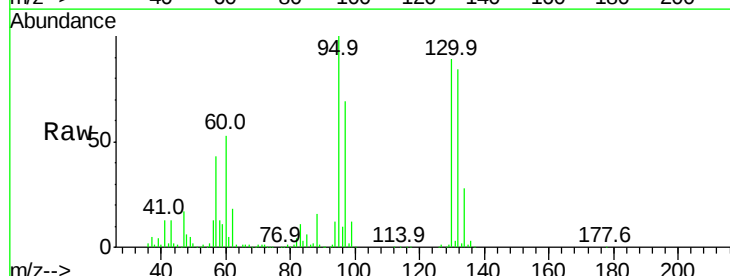
Delta R.T. 0.03 min

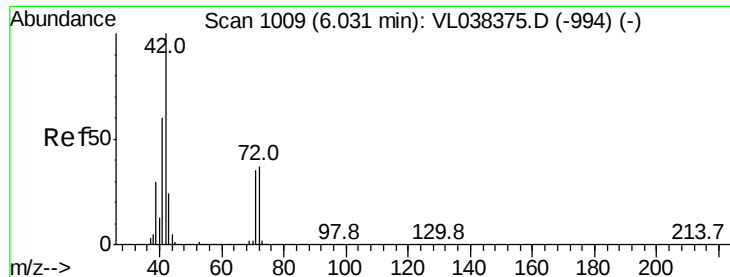
Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

Tgt Ion: 88 Resp: 162343

Ion	Ratio	Lower	Upper
88	100		
58	190.2	133.2	199.8
43	476.5	330.6	496.0
57	2213.4	1462.7	2194.1#





#41

Tetrahydrofuran

Concen: 11.48 ppbv

RT: 6.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32 VSTDCCC010EC

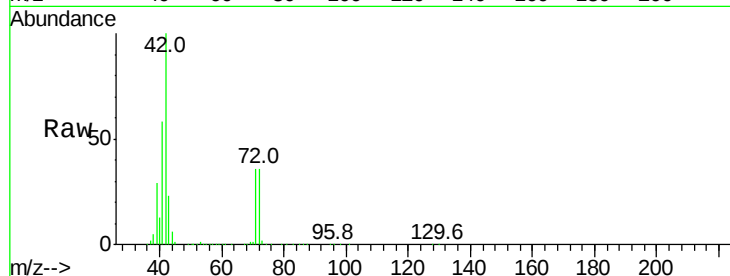
Tgt Ion: 42 Resp: 544432

Ion Ratio Lower Upper

42 100

72 38.9 29.9 44.9

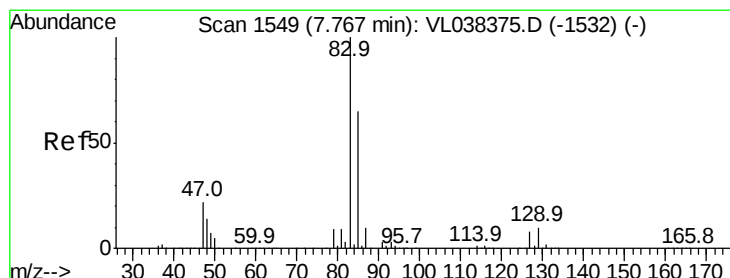
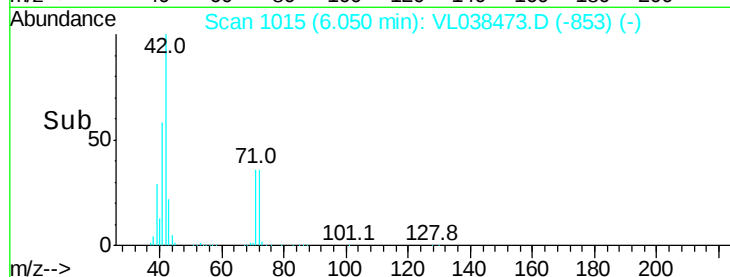
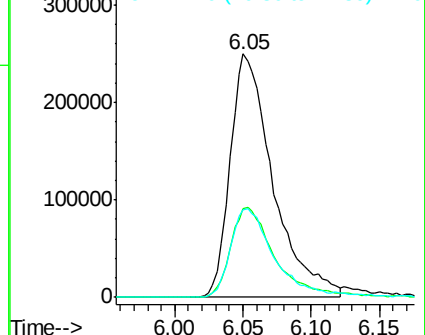
71 38.2 28.6 42.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.76 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

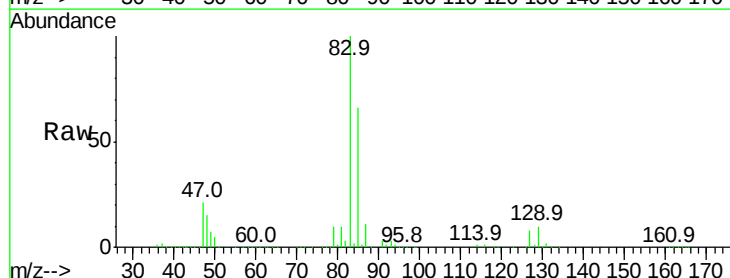
Tgt Ion: 83 Resp: 1763601

Ion Ratio Lower Upper

83 100

85 65.9 52.2 78.4

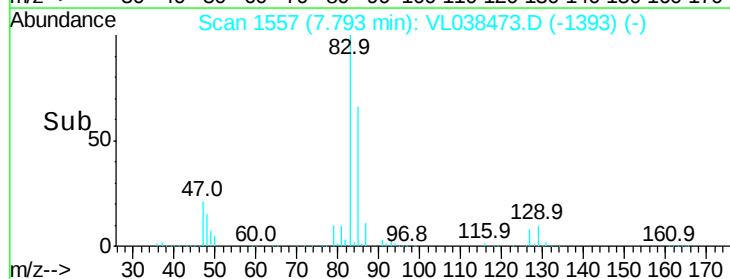
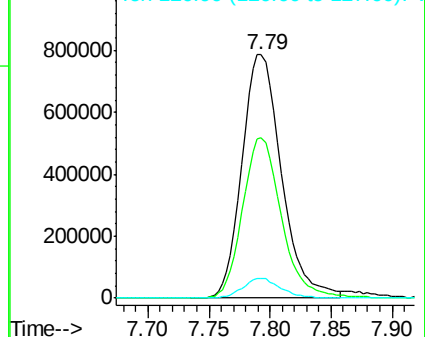
127 8.2 6.2 9.4

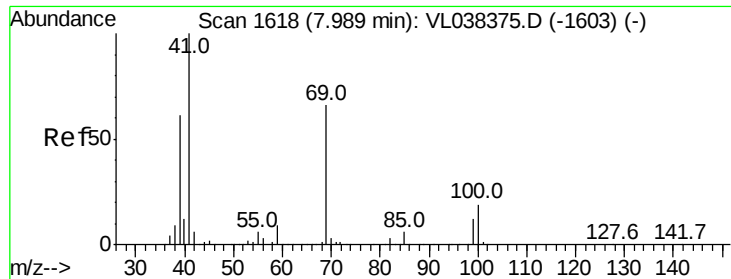


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.64 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32 VSTDCCC010EC

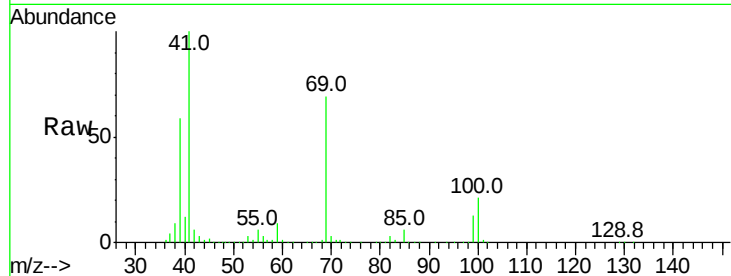
Tgt Ion: 69 Resp: 794911

Ion Ratio Lower Upper

69 100

41 151.3 122.9 184.3

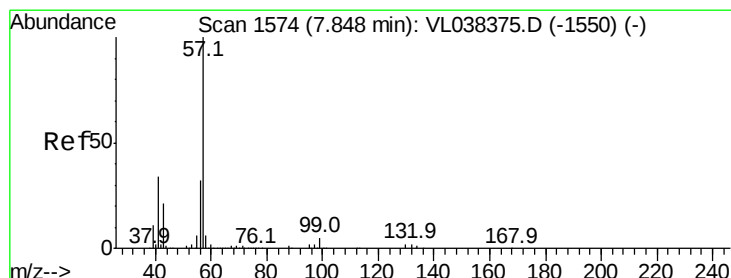
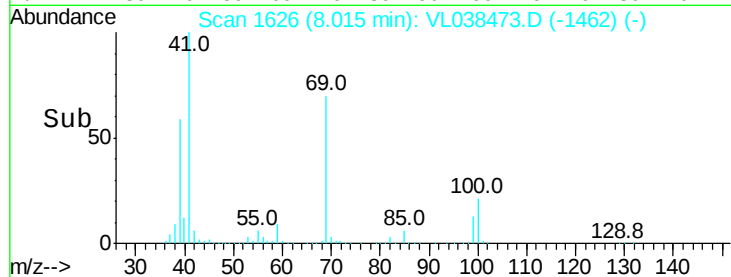
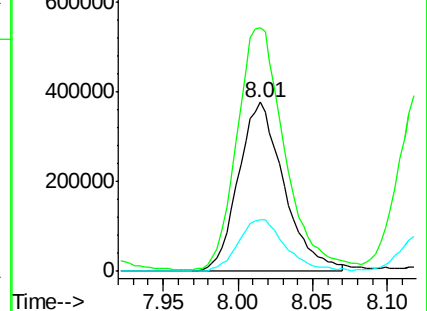
100 32.0 23.6 35.4



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: 10.62 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

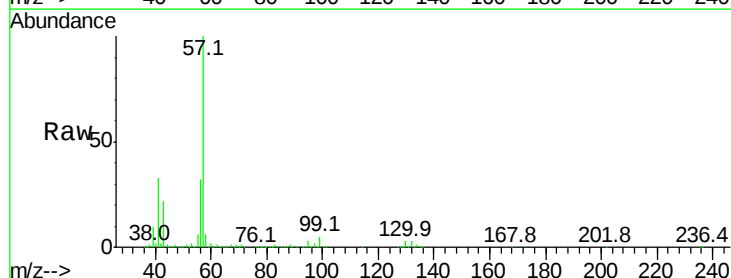
Tgt Ion: 57 Resp: 3584524

Ion Ratio Lower Upper

57 100

41 32.7 26.6 39.8

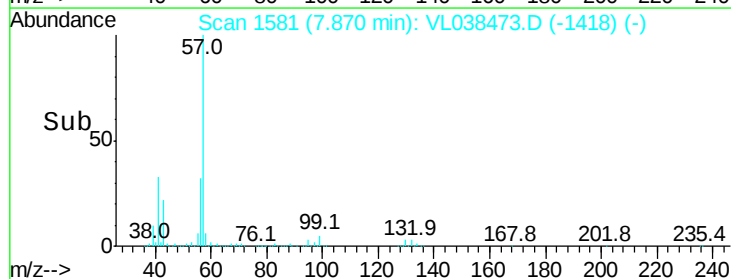
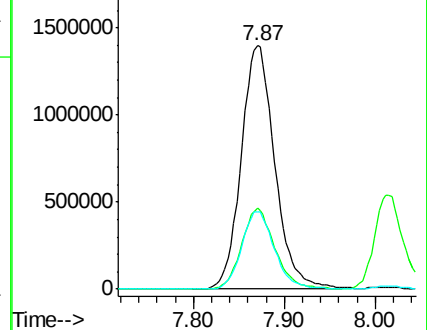
56 31.4 25.0 37.6

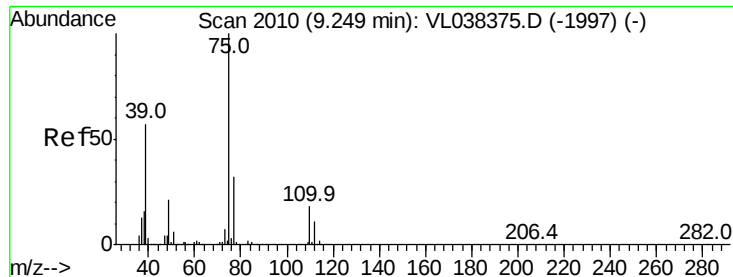


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.28 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

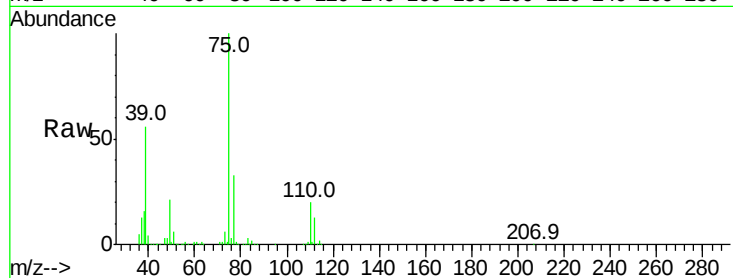
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 75 Resp: 615662

Ion Ratio Lower Upper

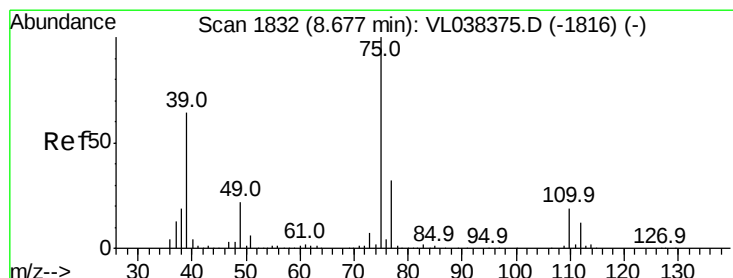
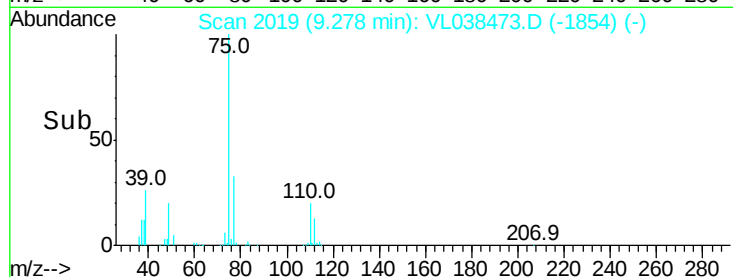
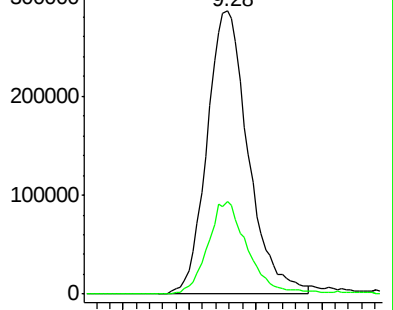
75 100

77 32.8 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.95 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

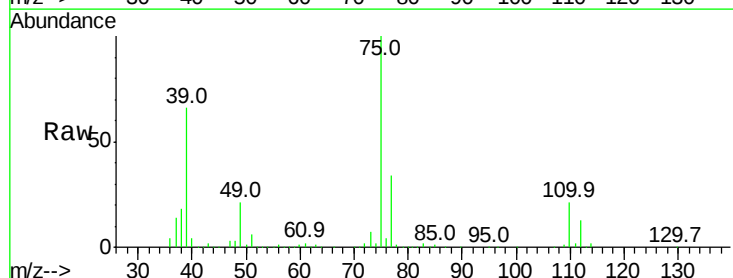
Tgt Ion: 75 Resp: 783180

Ion Ratio Lower Upper

75 100

39 65.6 51.4 77.2

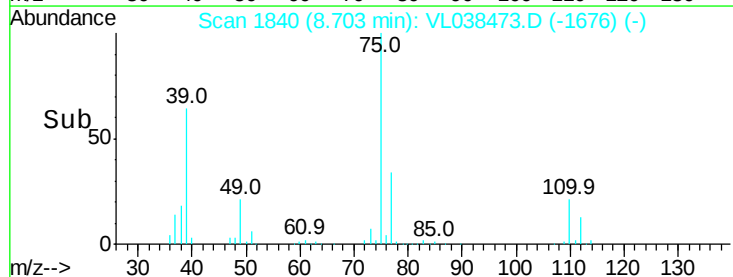
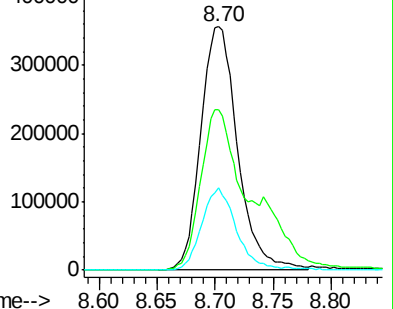
77 33.6 25.4 38.2

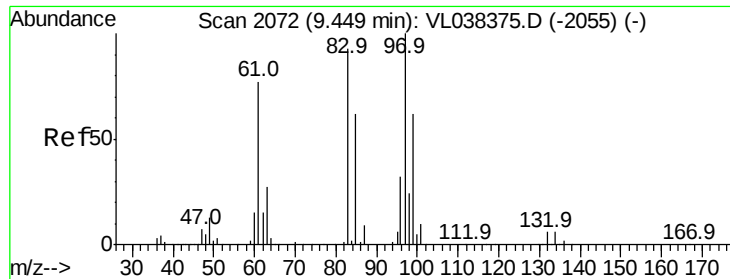


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

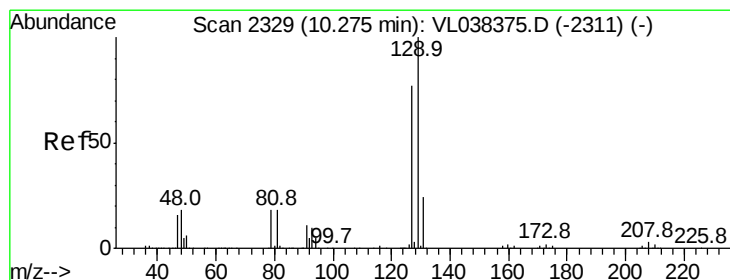
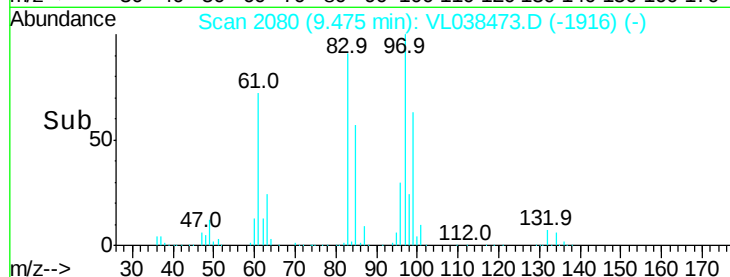
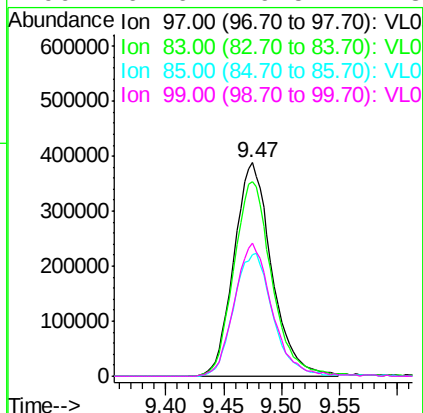
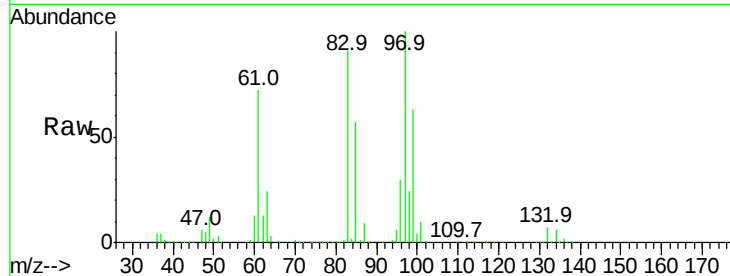
Ion 77.00 (76.70 to 77.70): VL0





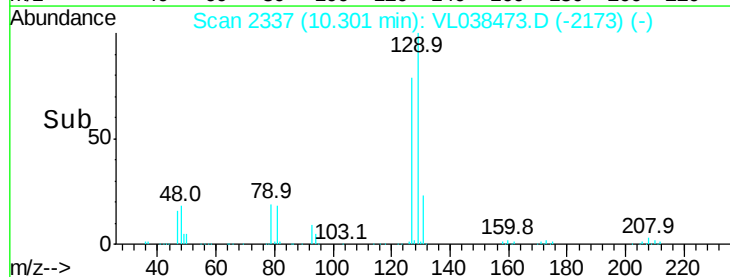
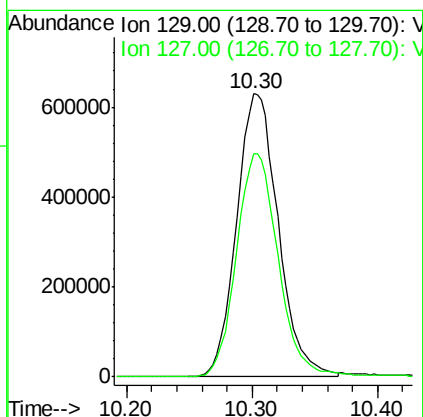
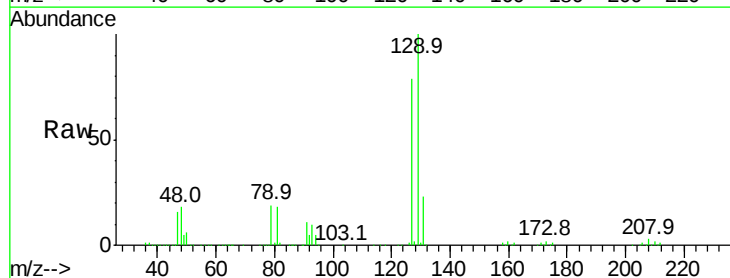
#47
 1,1,2-Trichloroethane
 Concen: 11.28 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 2 Mar 2022 5:32

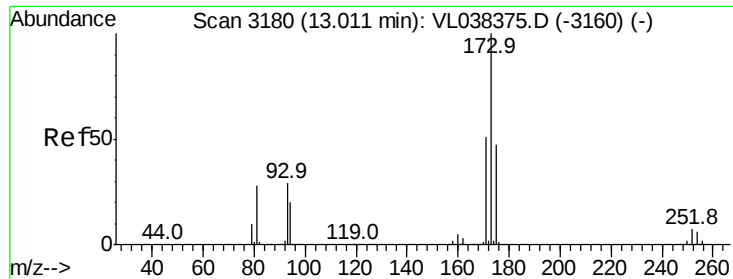
Tgt Ion:	97	Resp:	877803
Ion	Ratio	Lower	Upper
97	100		
83	91.1	74.2	111.4
85	57.1	49.8	74.8
99	62.6	49.5	74.3



#48
 Dibromochloromethane
 Concen: 11.39 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.03 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion:	129	Resp:	1449786
Ion	Ratio	Lower	Upper
129	100		
127	79.9	39.4	118.1





#49

Bromoform

Concen: 11.78 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 5:32

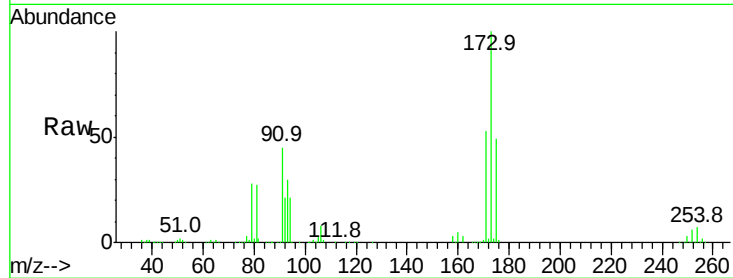
Tgt Ion:173 Resp: 1106582

Ion Ratio Lower Upper

173 100

175 50.8 40.2 60.2

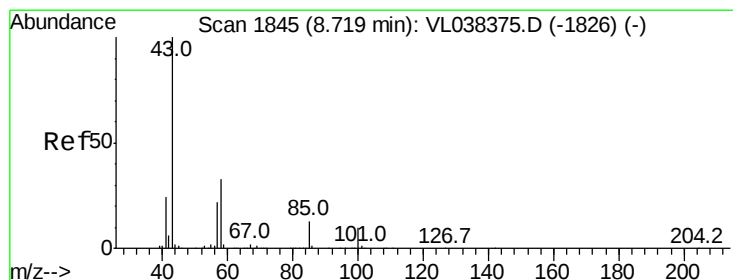
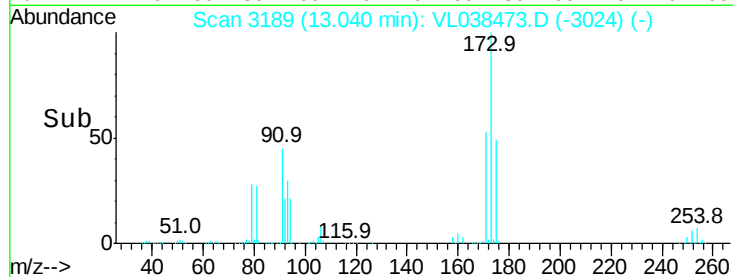
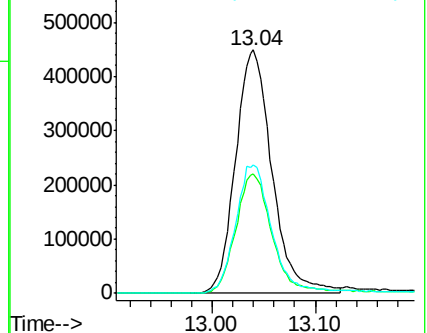
171 53.9 42.7 64.1



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: 11.63 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.02 min

Lab File: VL038473.D

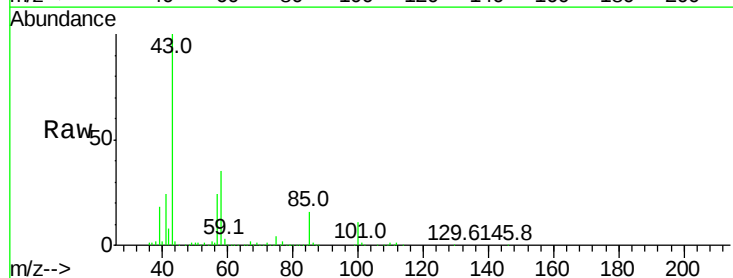
Acq: 2 Mar 2022 5:32

Tgt Ion: 43 Resp: 1442435

Ion Ratio Lower Upper

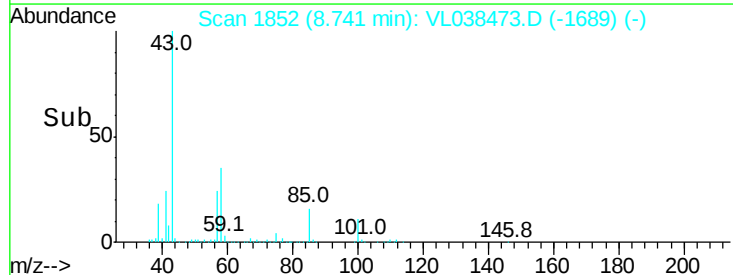
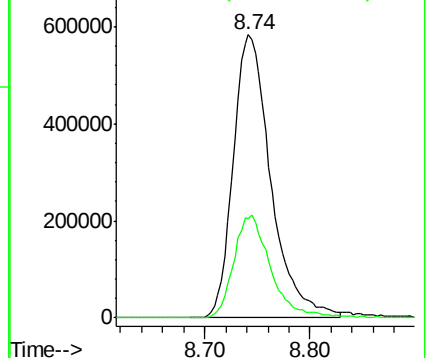
43 100

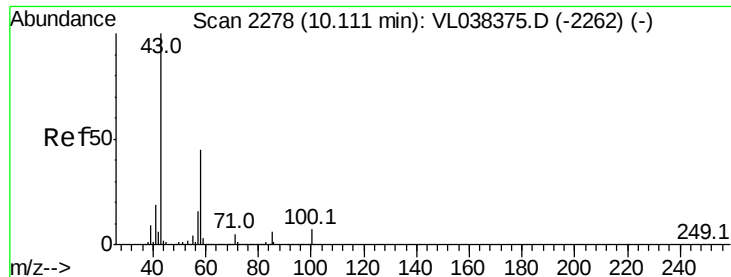
58 36.1 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.94 ppbv

RT: 10.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32

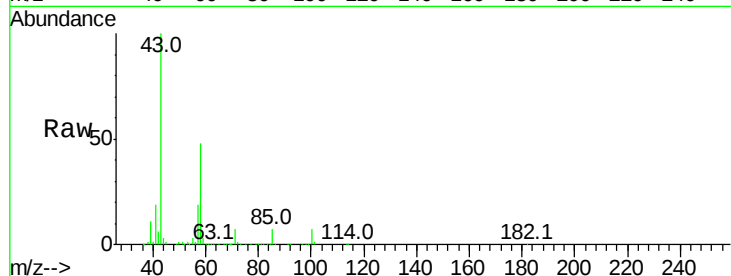
Tgt Ion: 43 Resp: 662969

Ion Ratio Lower Upper

43 100

58 47.7 37.4 56.0

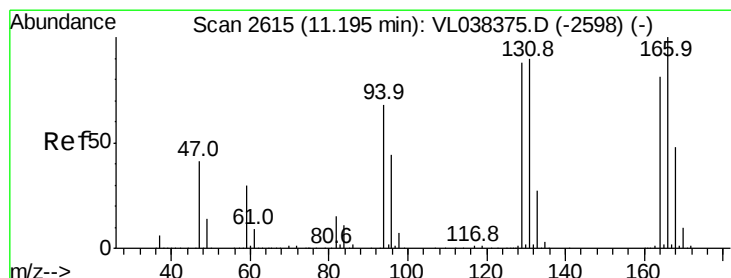
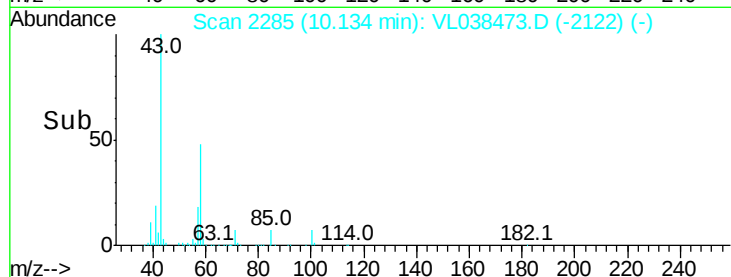
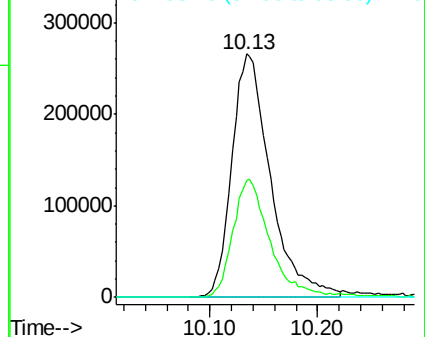
98 0.2 0.1 0.1#



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: 11.15 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

Tgt Ion: 164 Resp: 726793

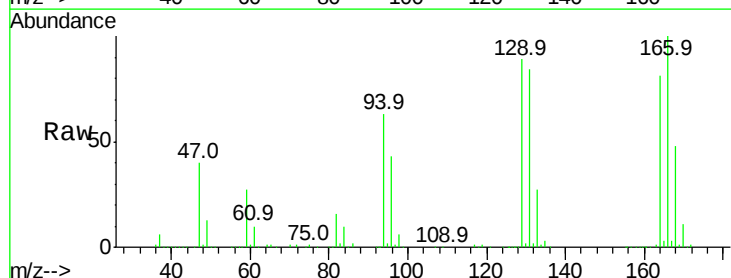
Ion Ratio Lower Upper

164 100

166 123.6 98.6 148.0

129 110.5 86.9 130.3

131 103.3 88.6 133.0

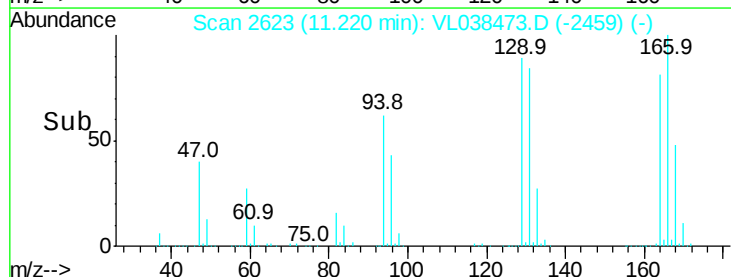
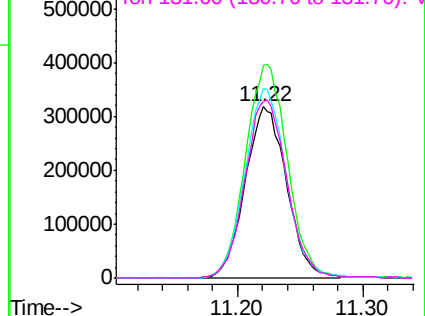


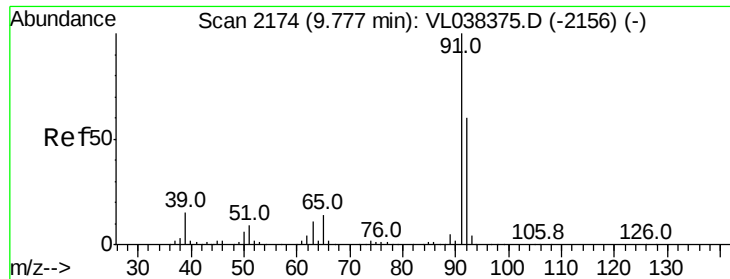
Abundance Ion 163.90 (163.60 to 164.60): V

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: 11.56 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

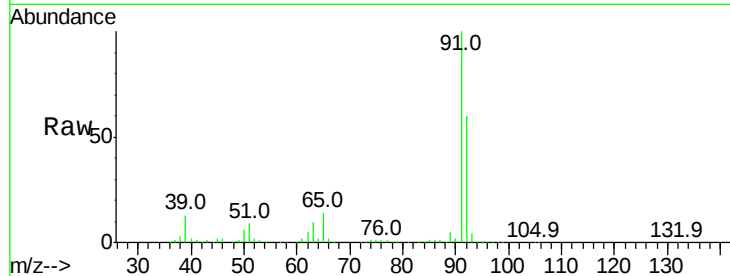
Acq: 2 Mar 2022 5:32 VSTDCCC010EC

Tgt Ion: 91 Resp: 2465470

Ion Ratio Lower Upper

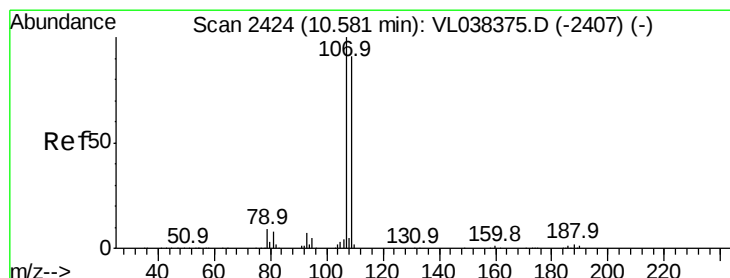
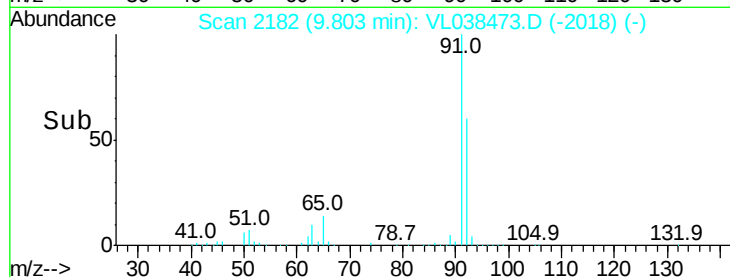
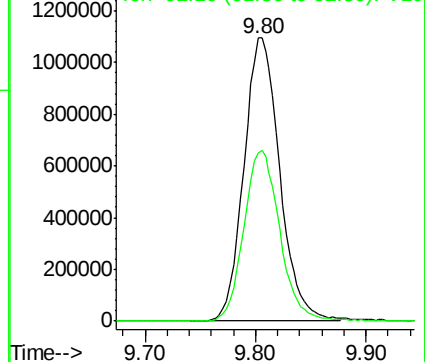
91 100

92 60.5 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: 11.57 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.03 min

Lab File: VL038473.D

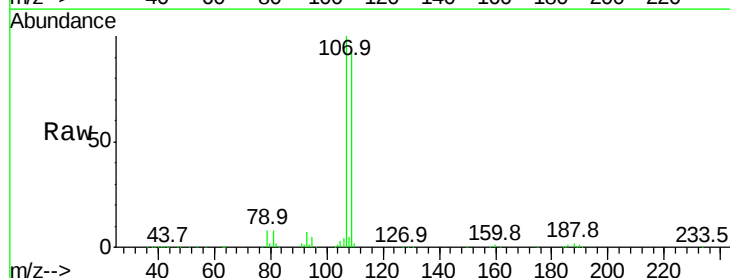
Acq: 2 Mar 2022 5:32

Tgt Ion: 107 Resp: 1267259

Ion Ratio Lower Upper

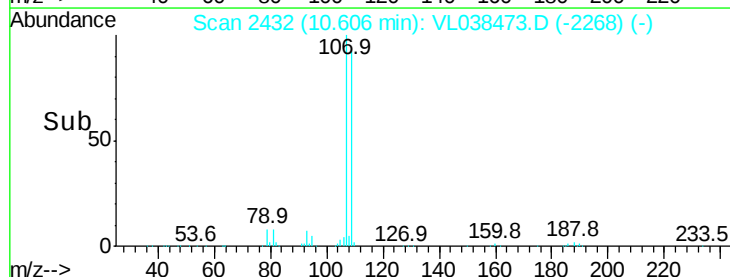
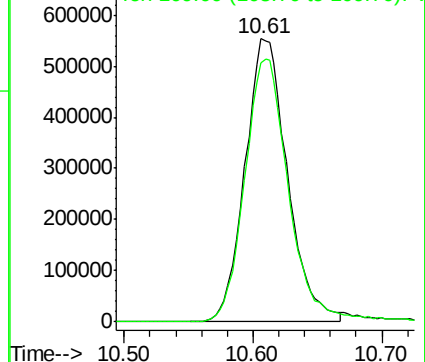
107 100

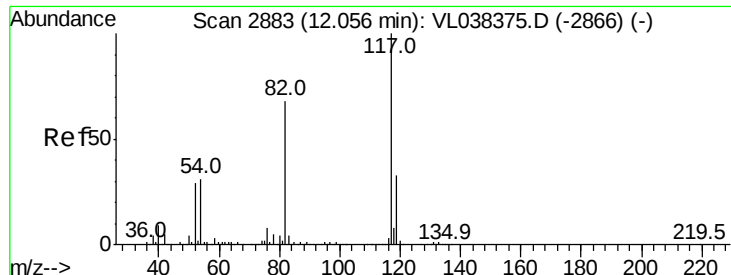
109 91.7 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

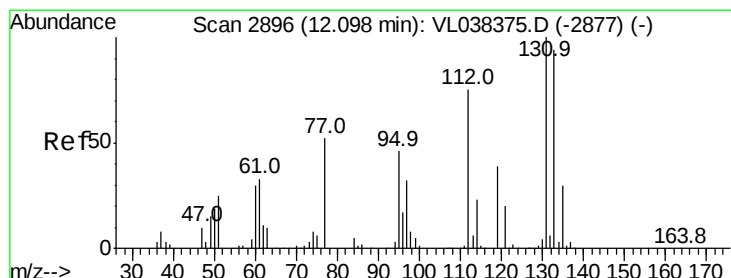
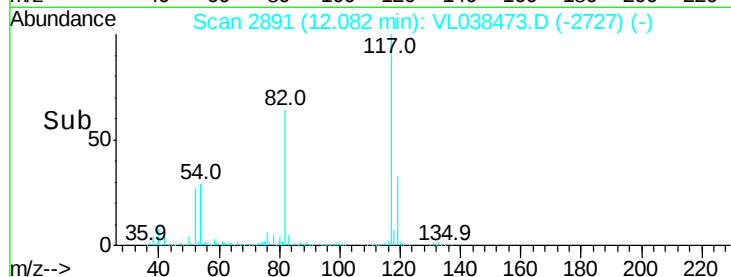
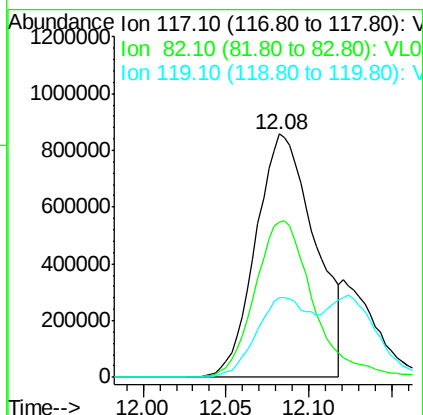
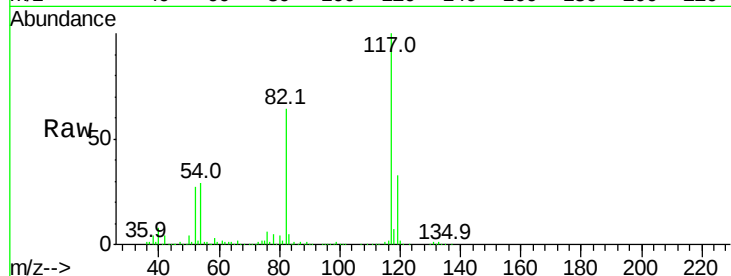
Ion 109.00 (108.70 to 109.70): V





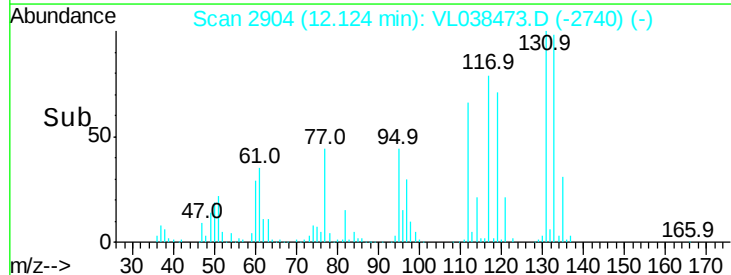
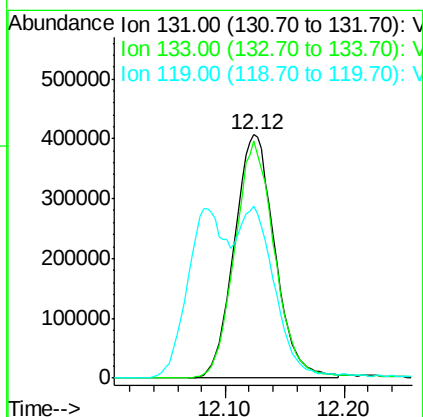
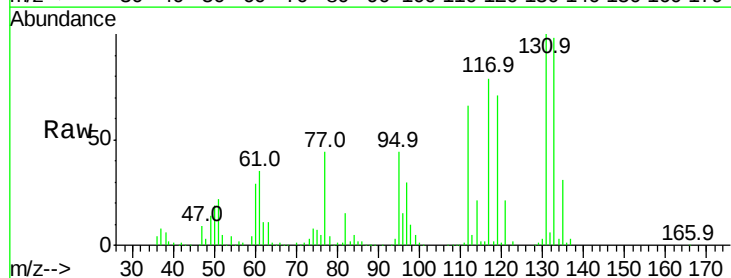
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 2 Mar 2022 5:32

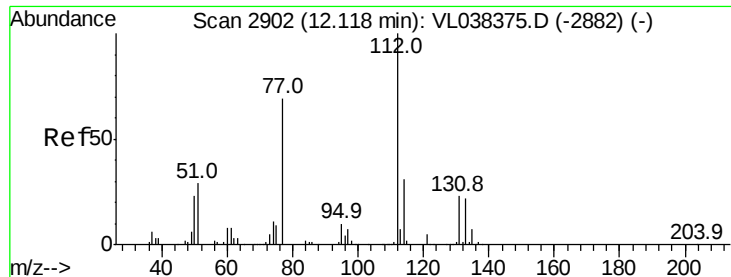
Tgt Ion:117 Resp: 2122328
Ion Ratio Lower Upper
117 100
82 65.1 54.9 82.3
119 32.2 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.84 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: 0.03 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32

Tgt Ion:131 Resp: 959209
Ion Ratio Lower Upper
131 100
133 97.1 77.3 115.9
119 66.3 48.6 73.0

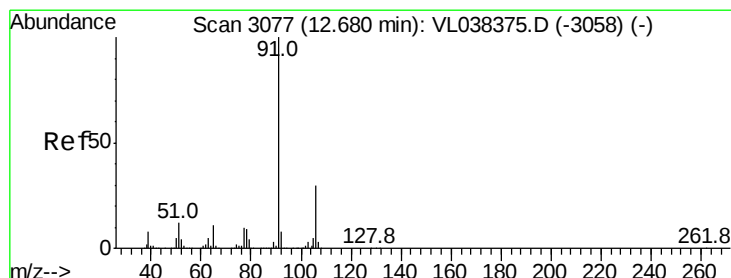
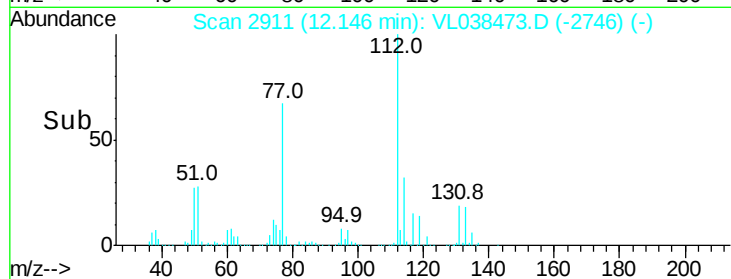
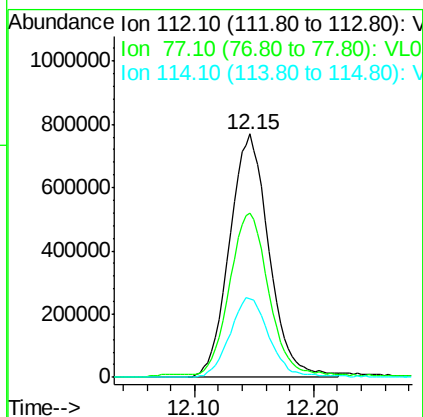
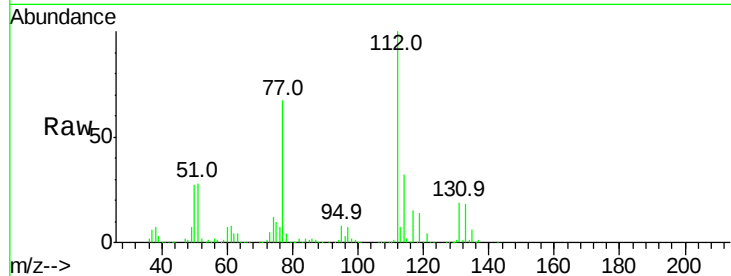




#57
Chlorobenzene
Concen: 10.72 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 2 Mar 2022 5:32

Tgt Ion: 112 Resp: 1755088

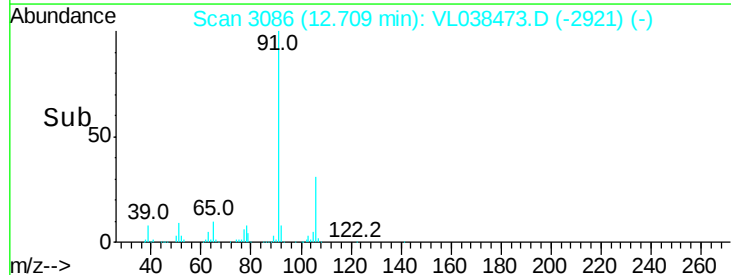
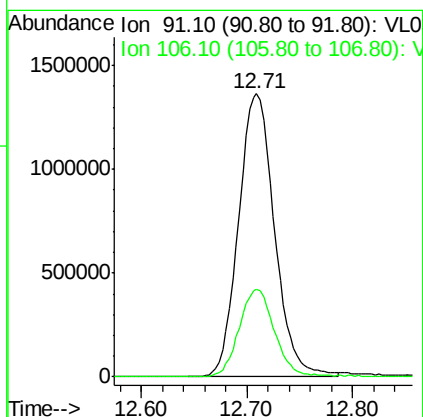
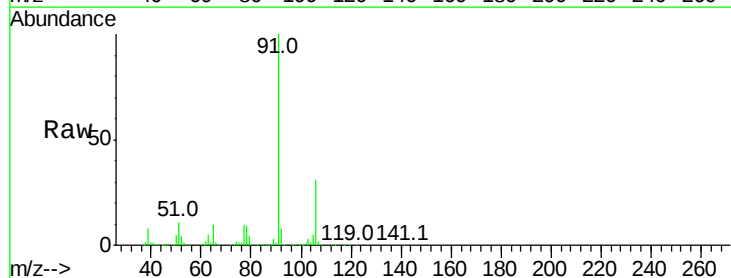
Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.2	82.8
114	32.1	27.9	34.1

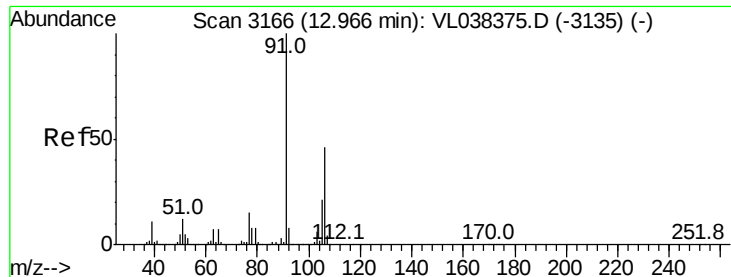


#58
Ethyl Benzene
Concen: 11.18 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: 0.03 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32

Tgt Ion: 91 Resp: 3244964

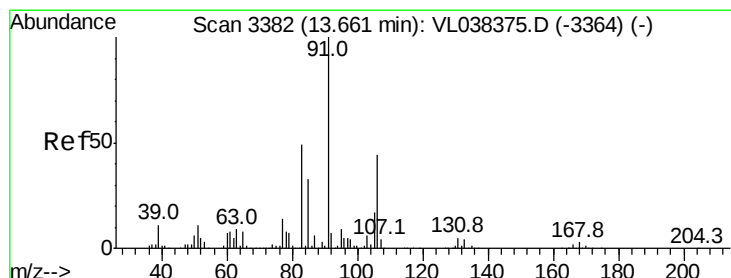
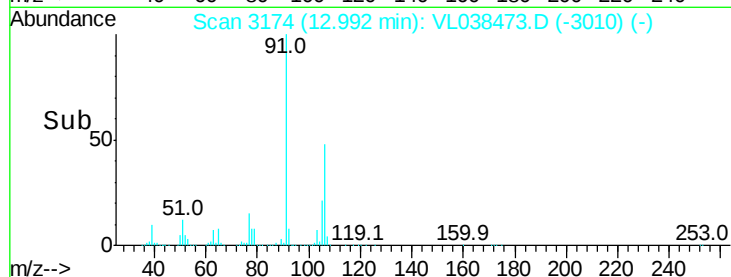
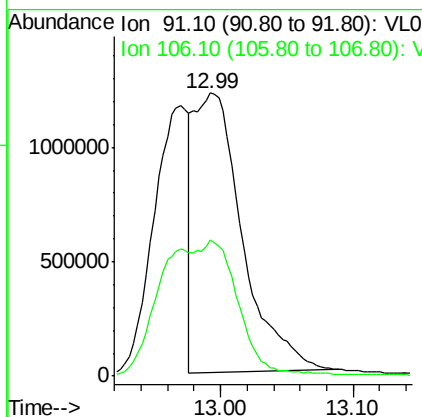
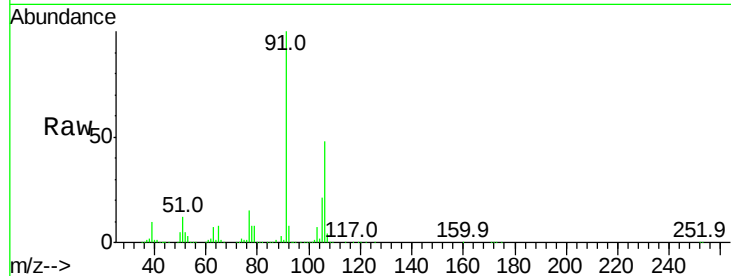
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.0	36.0





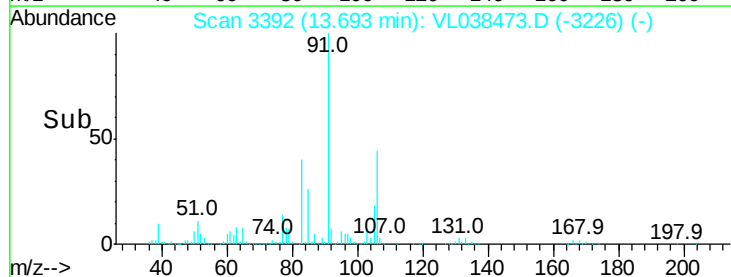
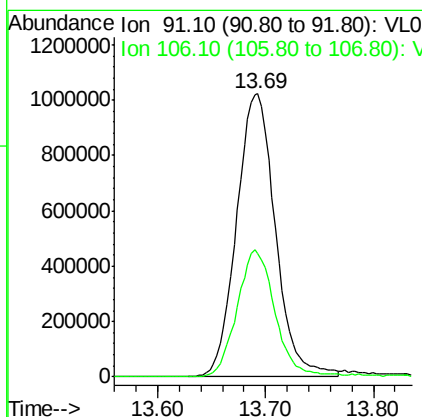
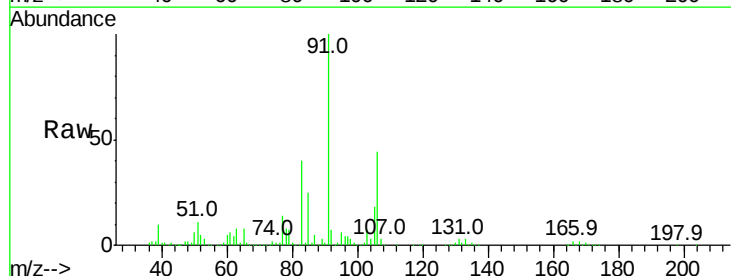
#59
m/p-Xylene
Concen: 12.43 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 2 Mar 2022 5:32

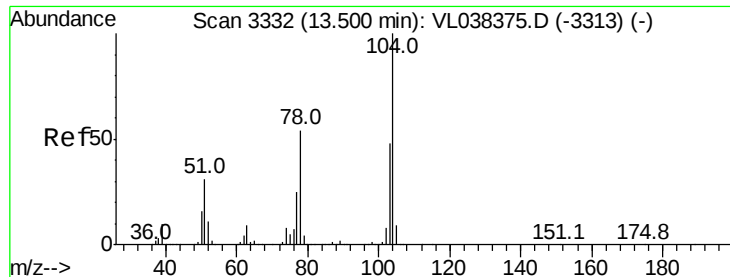
Tgt Ion: 91 Resp: 3097827
Ion Ratio Lower Upper
91 100
106 78.3 34.4 51.6#



#60
o-Xylene
Concen: 10.85 ppbv
RT: 13.69 min Scan# 3392
Delta R.T.: 0.03 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32

Tgt Ion: 91 Resp: 2557237
Ion Ratio Lower Upper
91 100
106 44.9 21.9 65.5





#61

Styrene

Concen: 12.17 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 5:32 VSTDCCC010EC

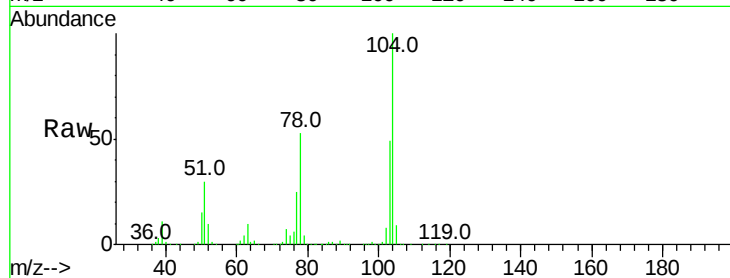
Tgt Ion:104 Resp: 1323025

Ion Ratio Lower Upper

104 100

78 54.7 44.2 66.4

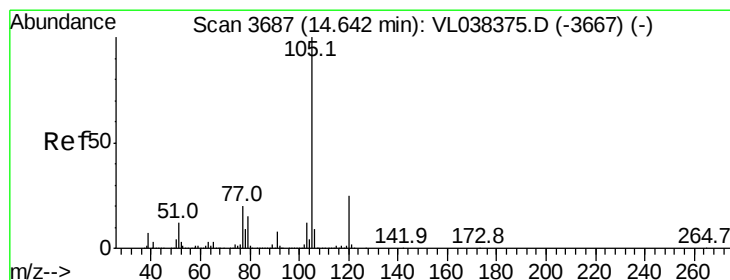
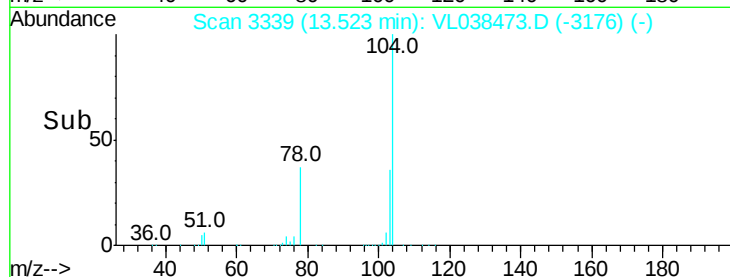
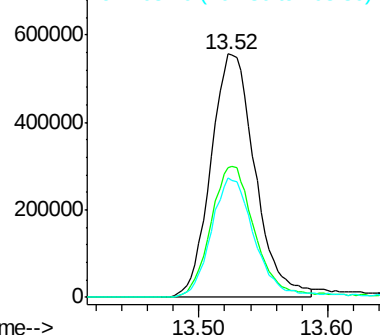
103 48.7 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.17 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL038473.D

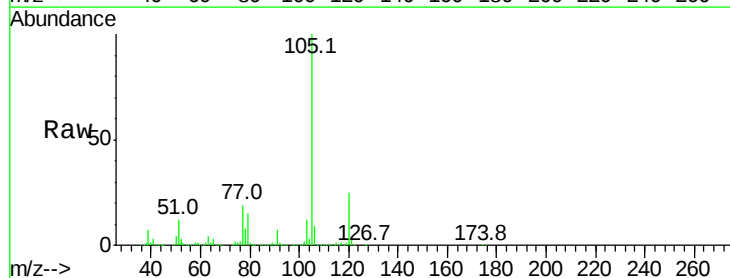
Acq: 2 Mar 2022 5:32

Tgt Ion:105 Resp: 3533662

Ion Ratio Lower Upper

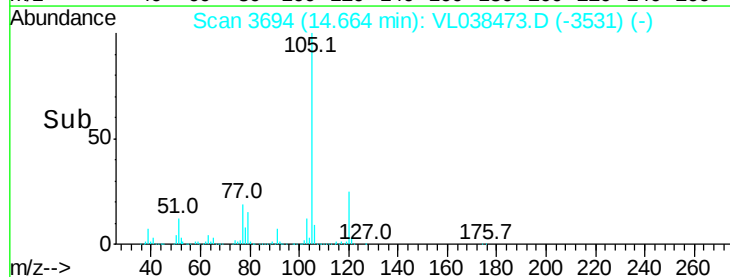
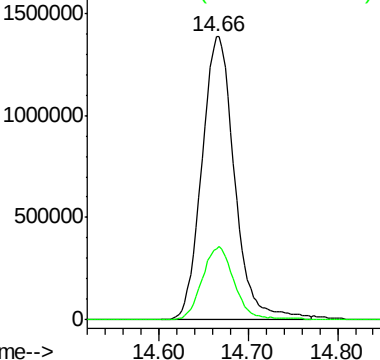
105 100

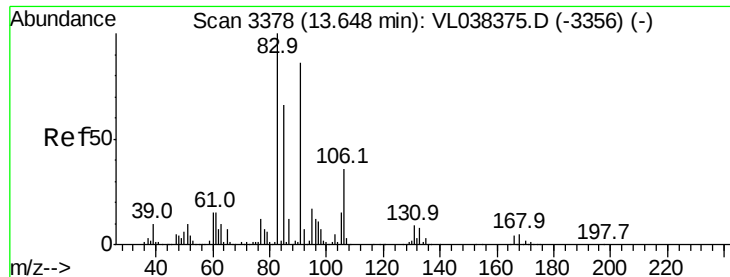
120 25.8 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.70 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 5:32 VSTDCCC010EC

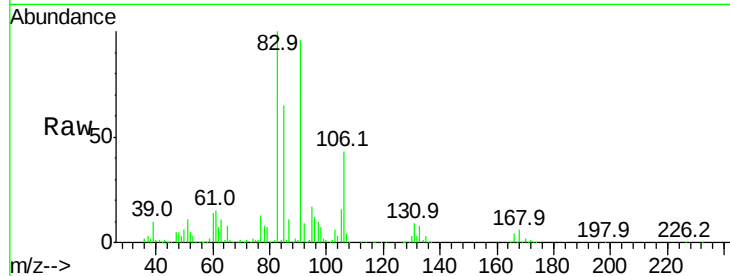
Tgt Ion: 83 Resp: 1856365

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.7

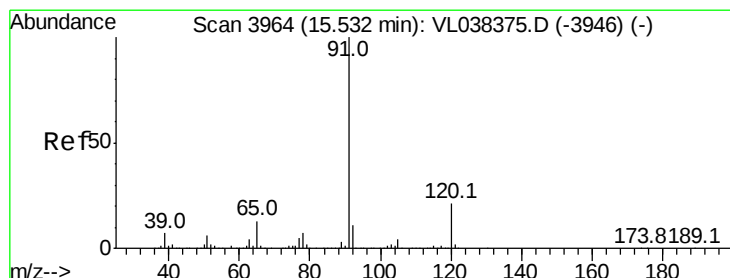
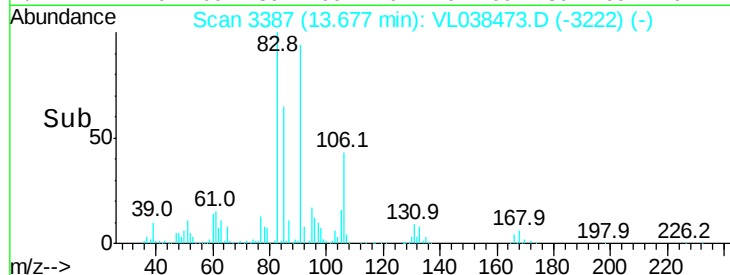
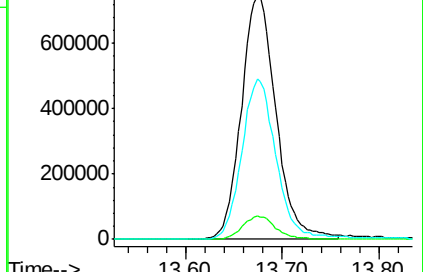
85 66.4 33.0 99.0



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: 11.48 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.03 min

Lab File: VL038473.D

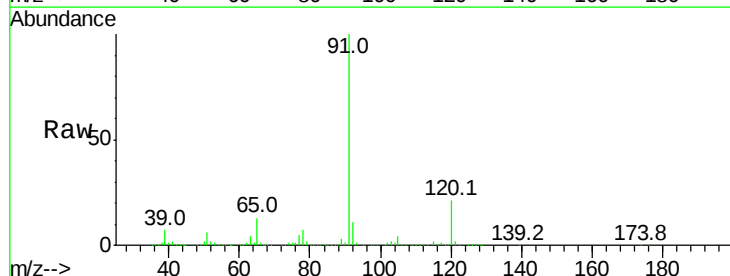
Acq: 2 Mar 2022 5:32

Tgt Ion: 120 Resp: 898527

Ion Ratio Lower Upper

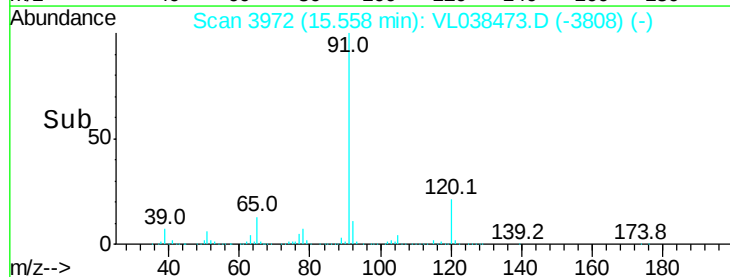
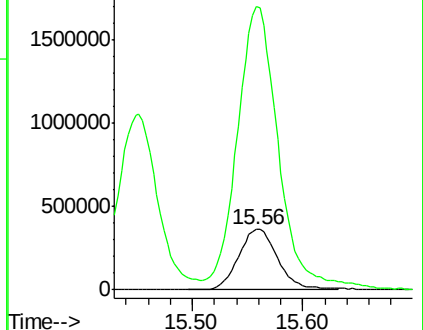
120 100

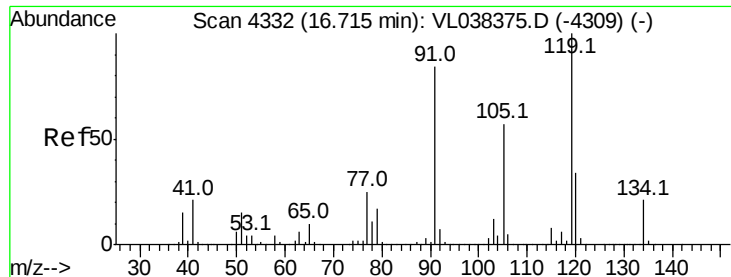
91 493.2 388.1 582.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

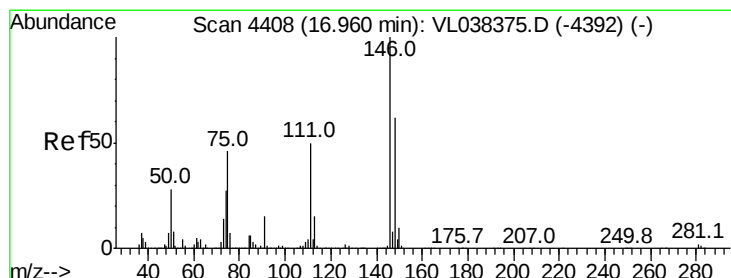
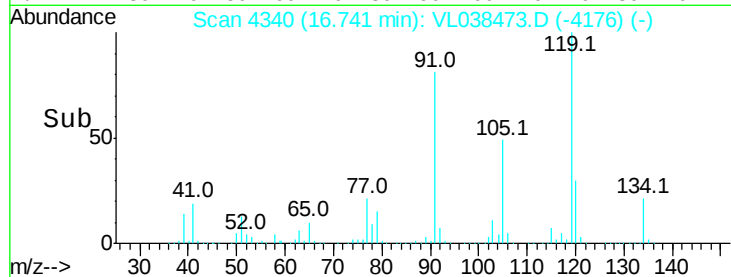
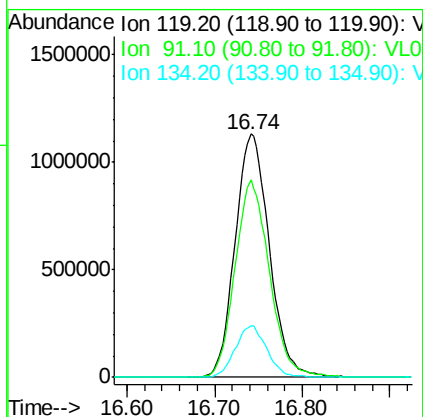
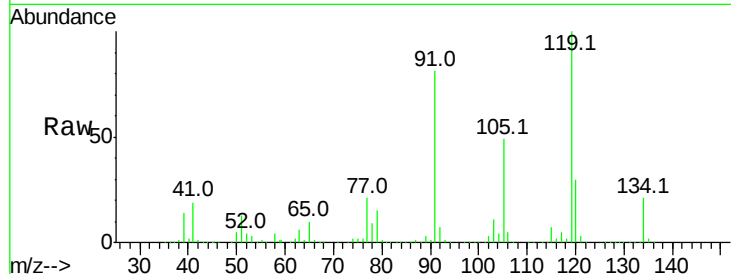
Ion 91.10 (90.80 to 91.80): VL0





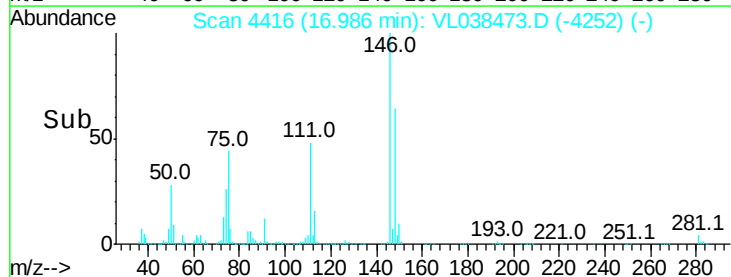
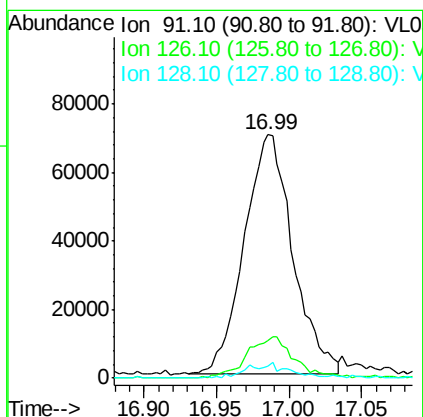
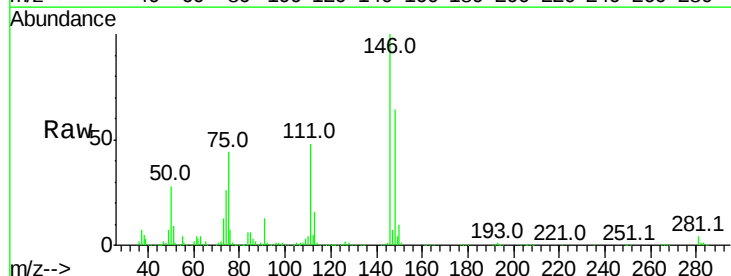
#65
 tert-Butylbenzene
 Concen: 11.23 ppbv
 RT: 16.74 min
 Delta R.T. 0.03 min
 Lab File: VL038375.D
 Acq: 2 Mar 2022 5:32

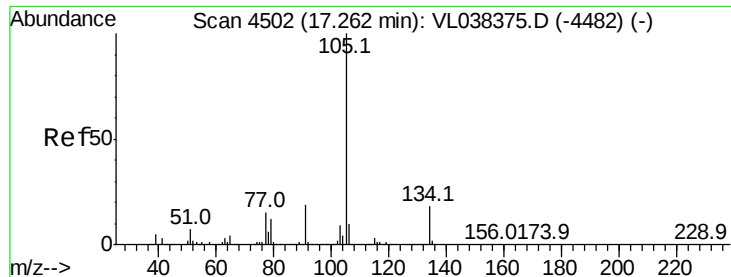
Tgt Ion: 119 Resp: 3076184
 Ion Ratio Lower Upper
 119 100
 91 81.4 68.0 102.0
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 10.96 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.03 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

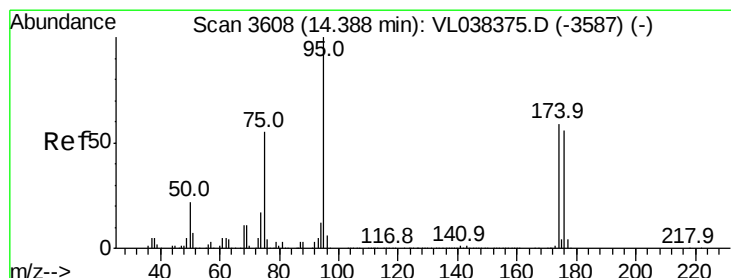
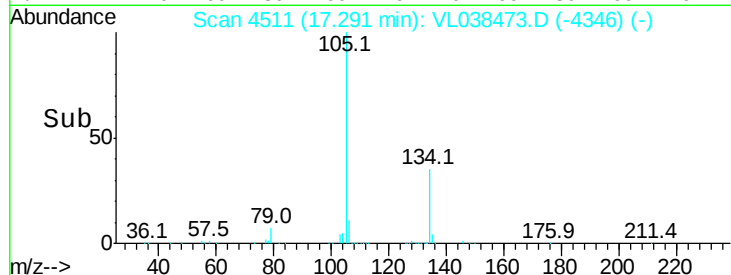
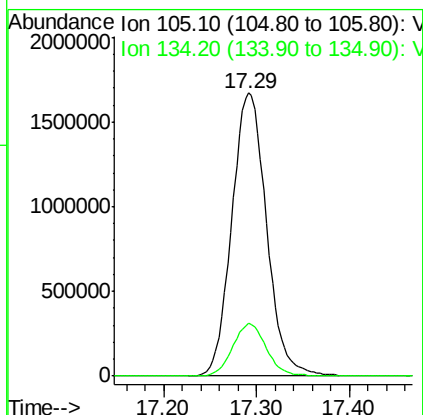
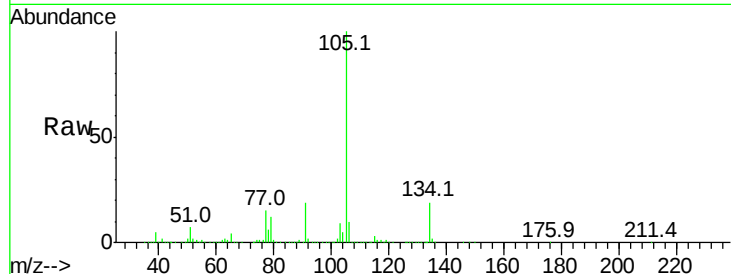
Tgt Ion: 91 Resp: 162163
 Ion Ratio Lower Upper
 91 100
 126 17.6 12.3 18.5
 128 5.9 4.2 6.4





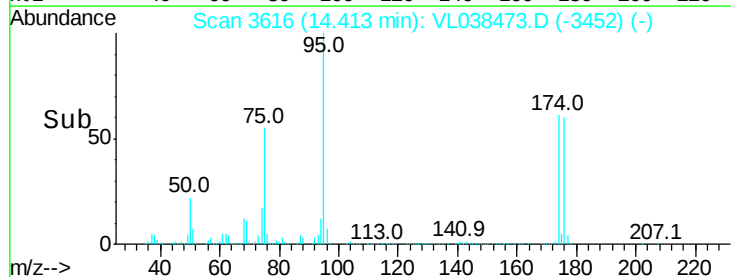
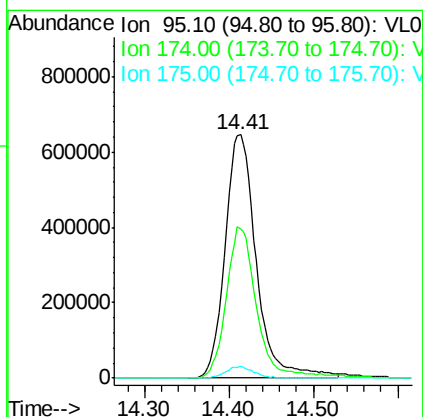
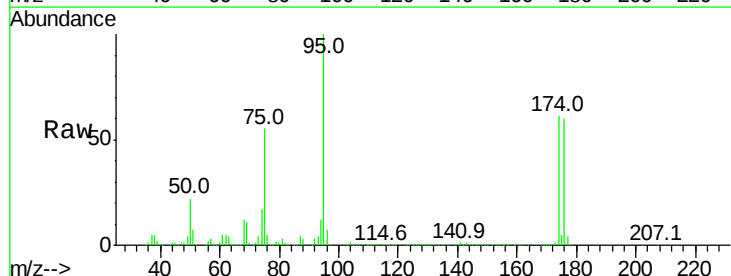
#67
 sec-Butylbenzene
 Concen: 11.17 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id: VSTDCCC010EC
 Lab File:
 Acq: 2 Mar 2022 5:32

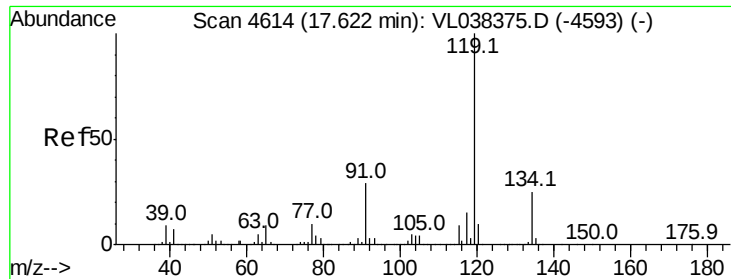
Tgt Ion: 105 Resp: 4334199
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.46 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T.: 0.03 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion: 95 Resp: 1661963
 Ion Ratio Lower Upper
 95 100
 174 61.1 49.0 73.4
 175 4.6 3.6 5.4





#69

p-Isopropyltoluene

Concen: 11.80 ppbv

RT: 17.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32

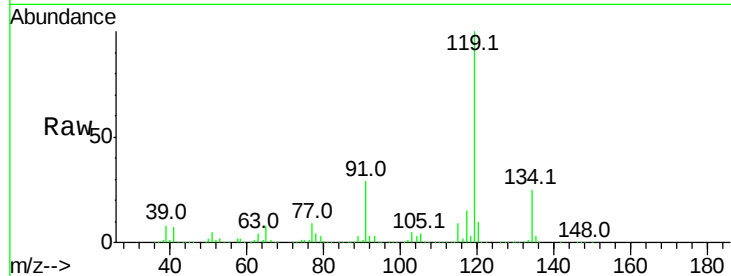
Tgt Ion: 119 Resp: 3597649

Ion Ratio Lower Upper

119 100

134 25.5 20.4 30.6

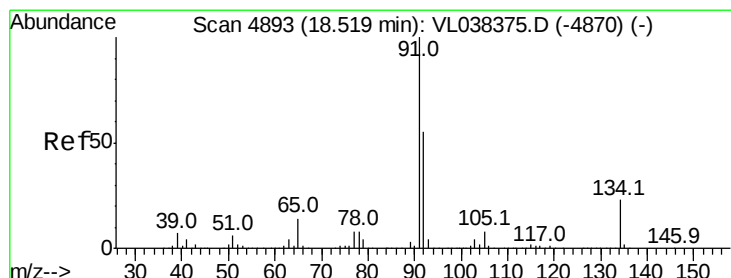
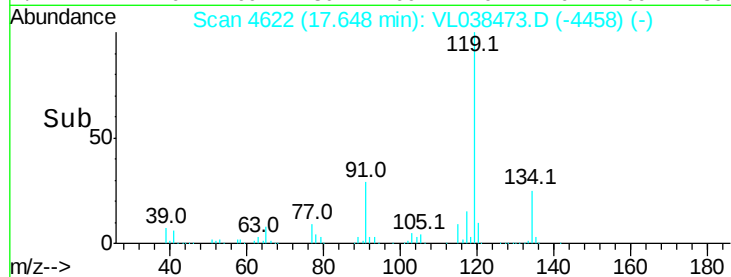
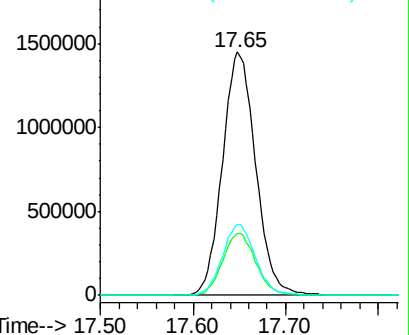
91 29.0 23.8 35.8



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: 11.88 ppbv

RT: 18.54 min Scan# 4901

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

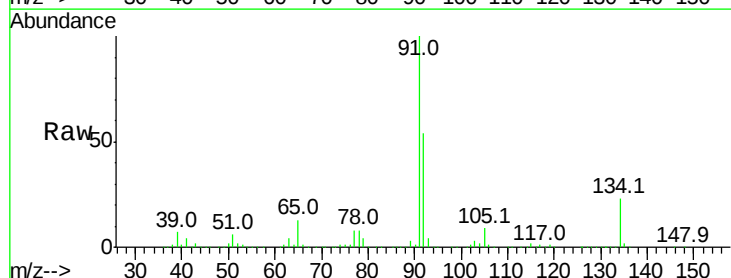
Tgt Ion: 91 Resp: 3746215

Ion Ratio Lower Upper

91 100

92 54.0 43.1 64.7

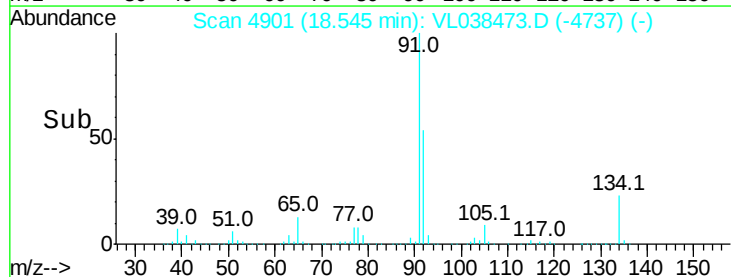
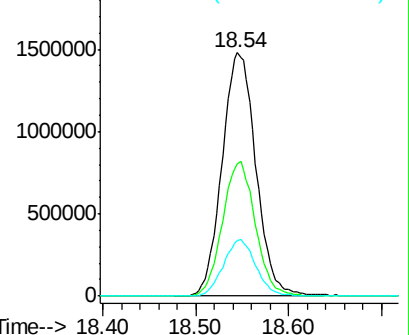
134 22.4 17.4 26.0

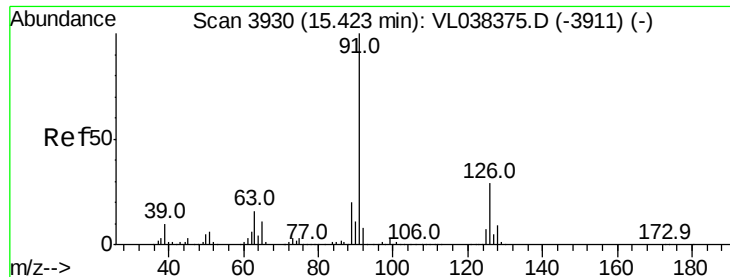


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.78 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

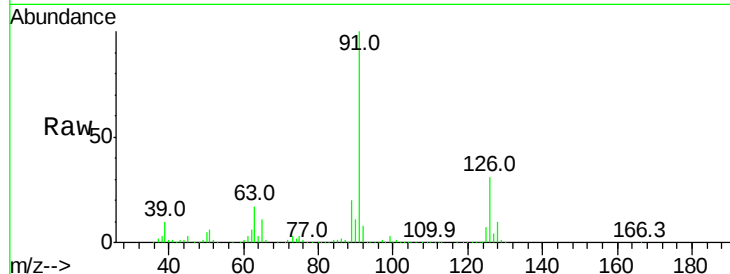
Acq: 2 Mar 2022 5:32

Tgt Ion: 91 Resp: 2621088

Ion Ratio Lower Upper

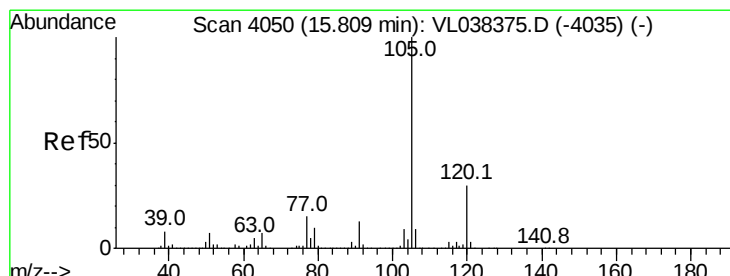
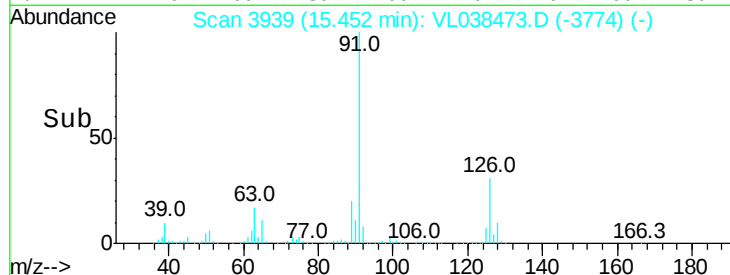
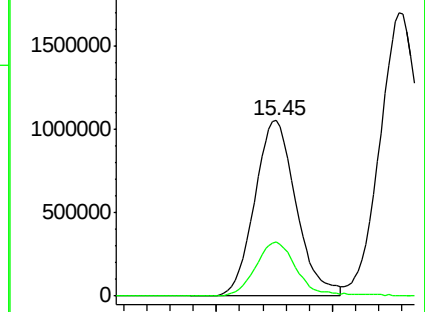
91 100

126 31.4 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.71 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

Tgt Ion: 105 Resp: 3040429

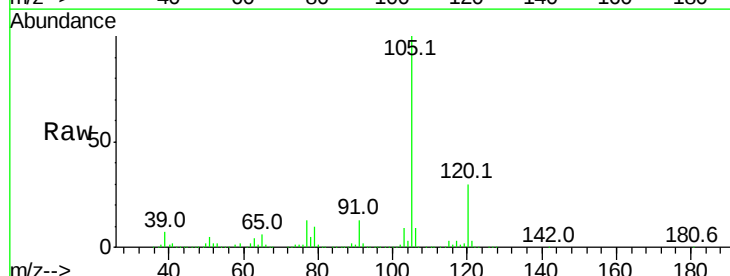
Ion Ratio Lower Upper

105 100

120 29.8 23.4 35.2

91 12.3 10.4 15.6

77 13.9 11.6 17.4

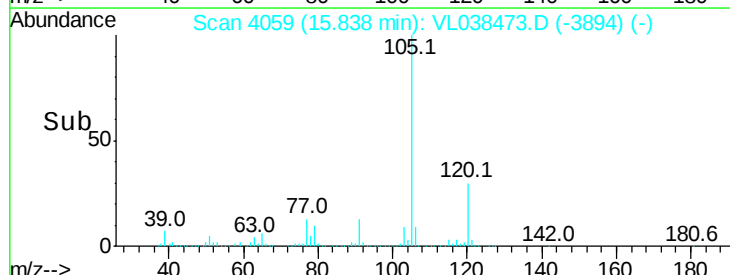
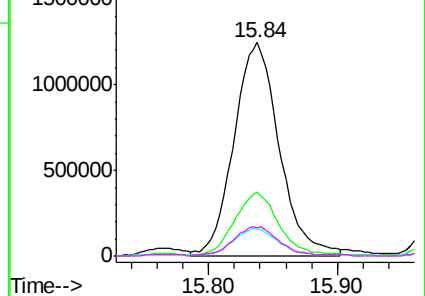


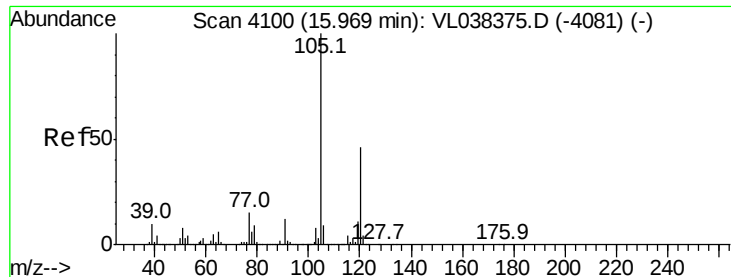
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

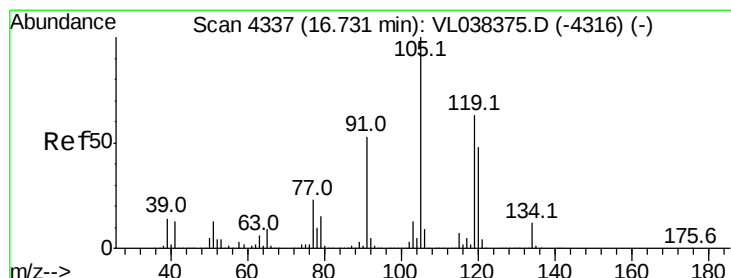
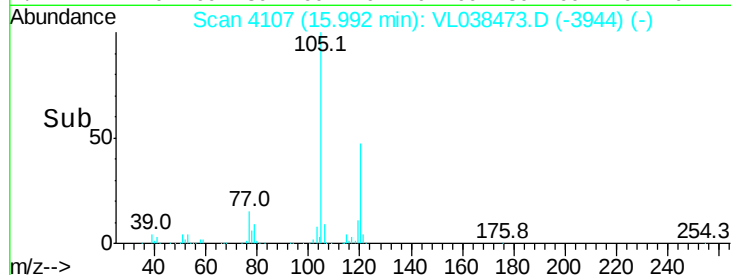
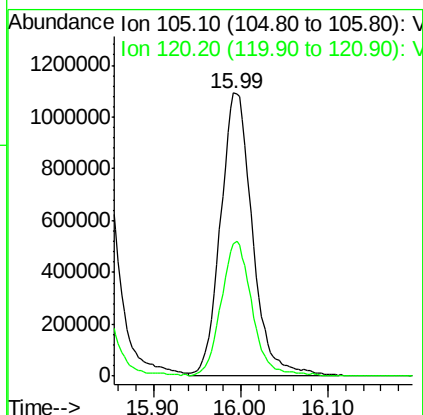
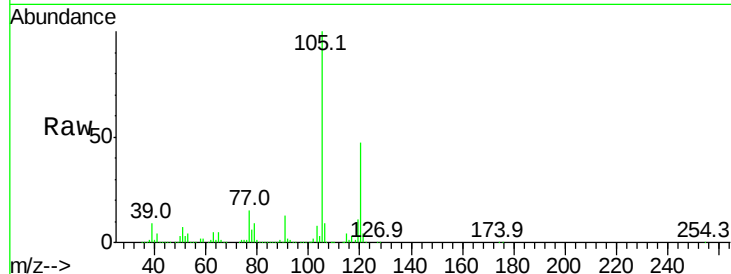
Ion 77.10 (76.80 to 77.80): VL0





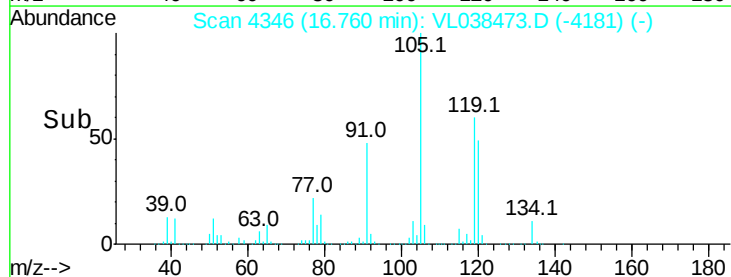
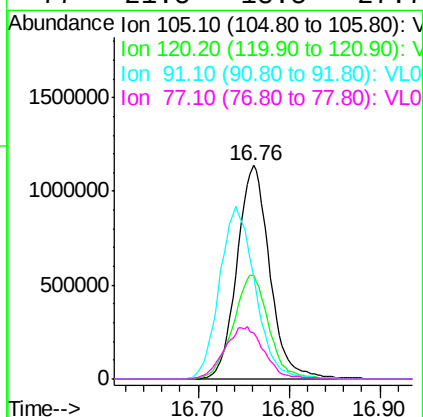
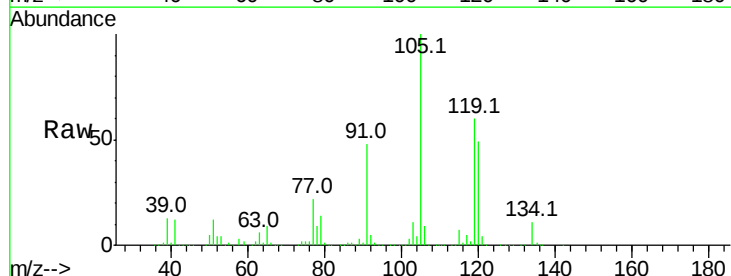
#73
 1,3,5-Trimethylbenzene
 Concen: 11.63 ppbv
 RT: 15.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 5:32

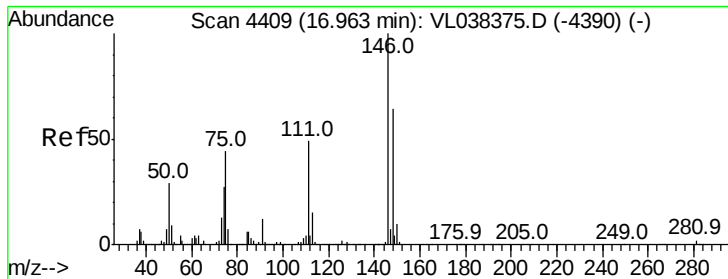
Tgt Ion:105 Resp: 2740679
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 11.42 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. 0.03 min
 Lab File: VL038473.D
 Acq: 2 Mar 2022 5:32

Tgt Ion:105 Resp: 2841300
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.2 57.4
 91 47.5 42.7 64.1
 77 21.5 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 11.52 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 5:32

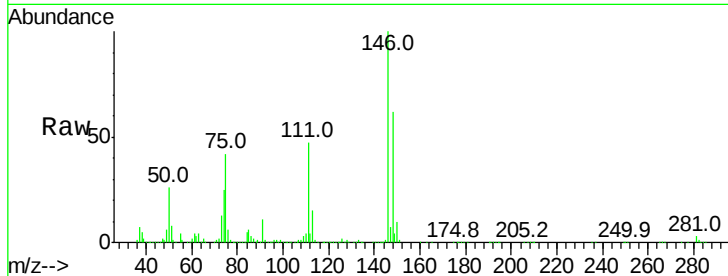
Tgt Ion:146 Resp: 1605332

Ion Ratio Lower Upper

146 100

111 47.3 24.3 72.9

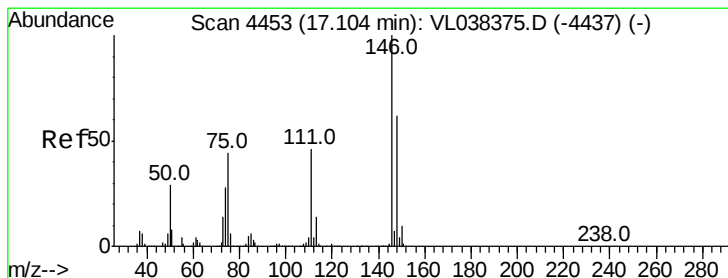
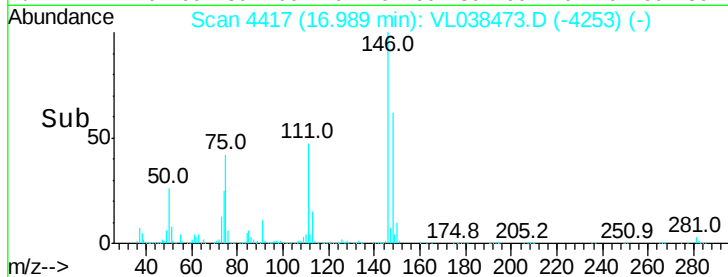
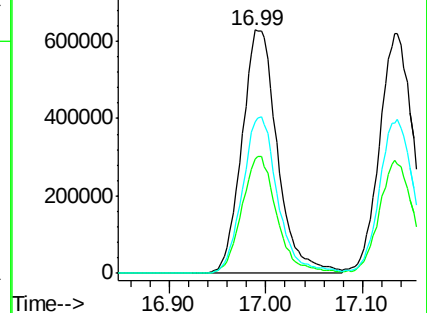
148 63.8 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 11.09 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

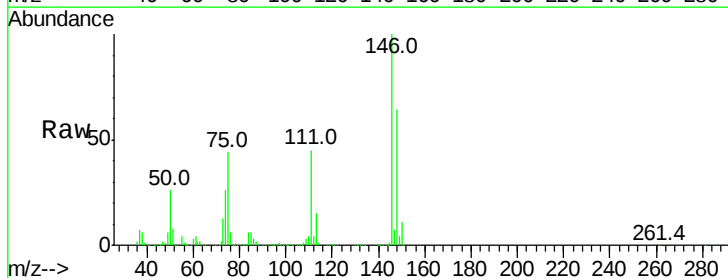
Tgt Ion:146 Resp: 1524744

Ion Ratio Lower Upper

146 100

111 48.4 24.1 72.2

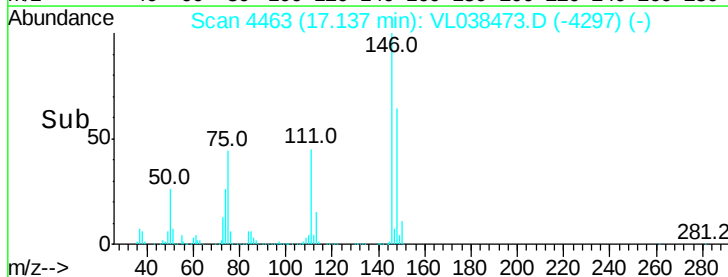
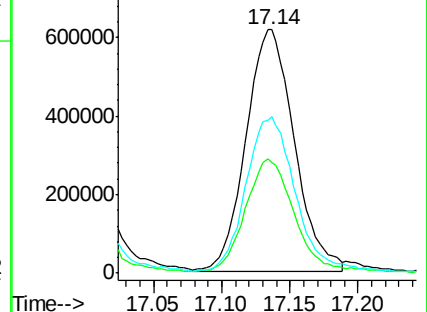
148 66.7 32.8 98.4

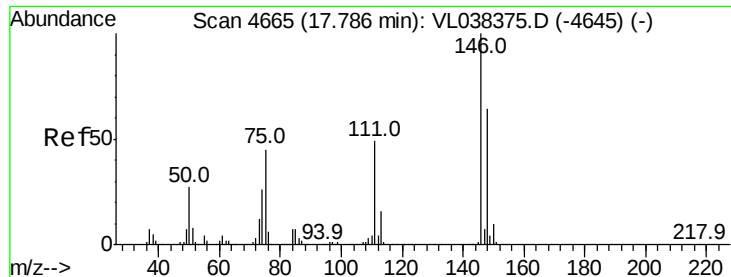


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 11.37 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 5:32

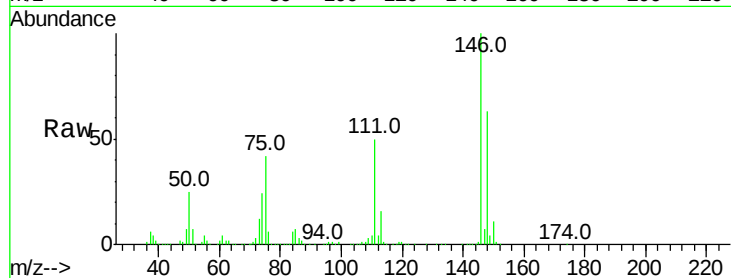
Tgt Ion:146 Resp: 1525973

Ion Ratio Lower Upper

146 100

111 50.5 25.6 76.6

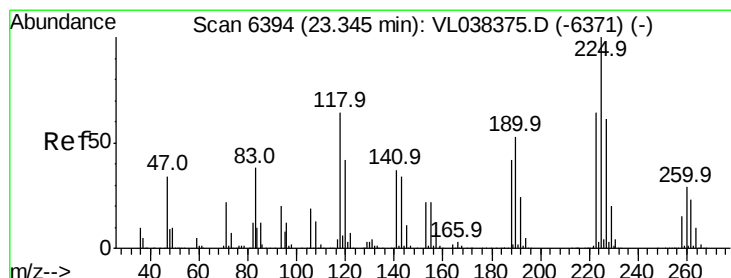
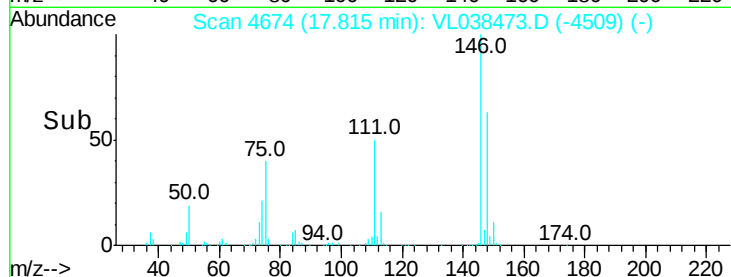
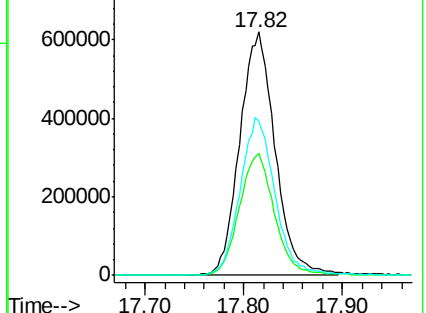
148 64.0 32.4 97.2



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: 10.99 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. 0.03 min

Lab File: VL038473.D

Acq: 2 Mar 2022 5:32

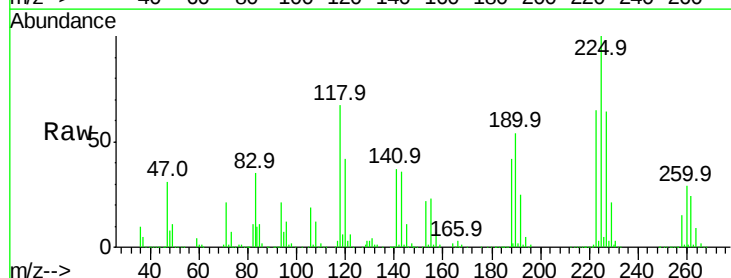
Tgt Ion:225 Resp: 1124617

Ion Ratio Lower Upper

225 100

223 65.0 52.0 78.0

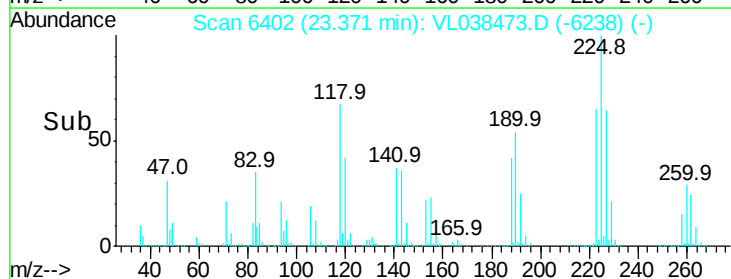
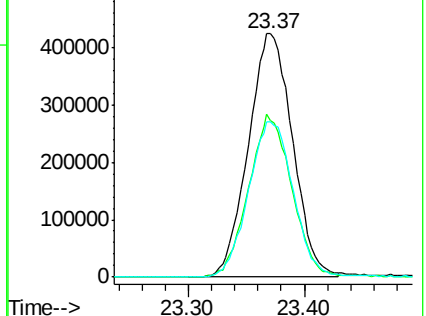
227 65.4 51.6 77.4

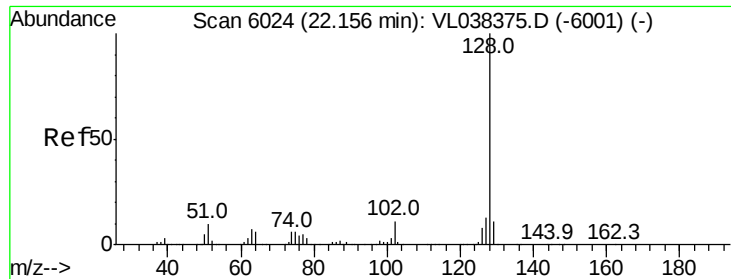


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

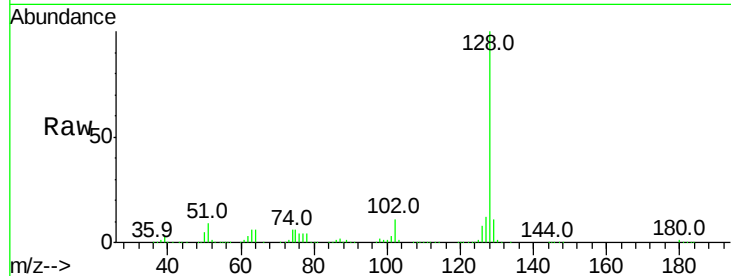




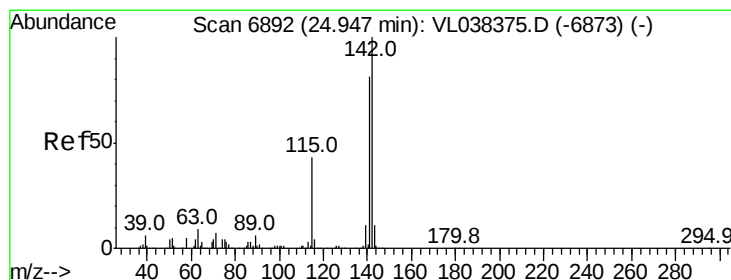
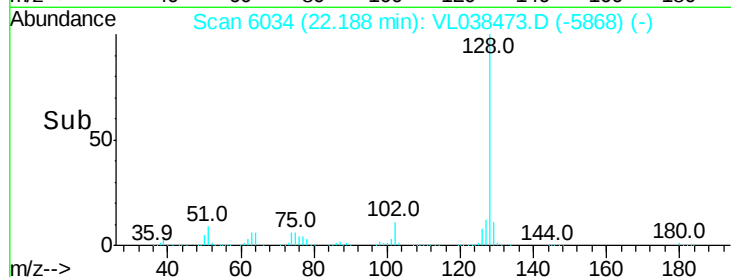
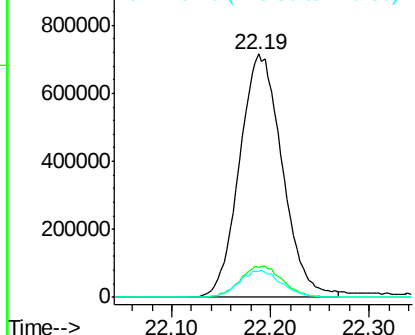
#79
Naphthalene
Concen: 15.91 ppbv
RT: 22.19 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 5:32

Tgt Ion:128 Resp: 2145802

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.7	16.1
129	10.8	8.8	13.2



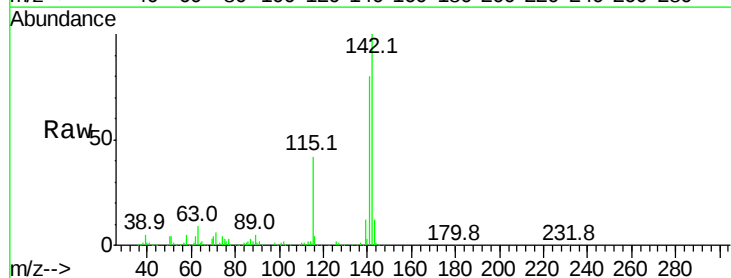
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



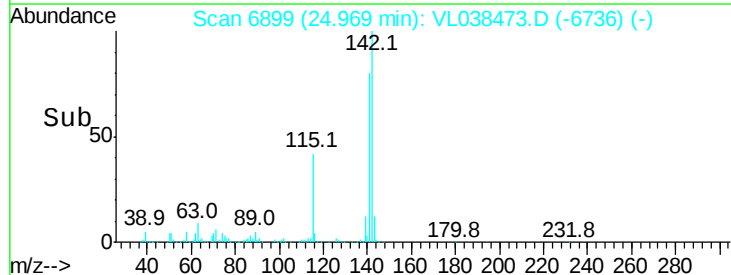
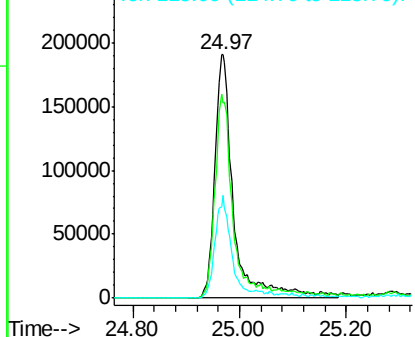
#80
Naphthalene, 2-methyl-
Concen: 17.83 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL038473.D
Acq: 2 Mar 2022 5:32

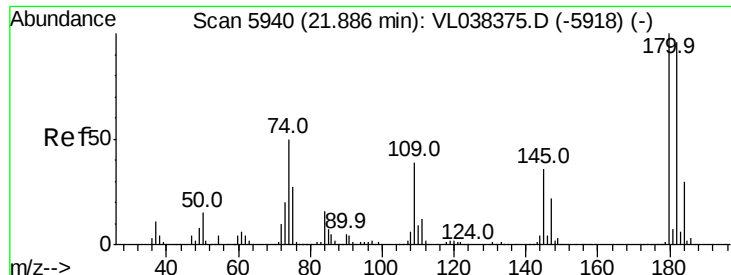
Tgt Ion:142 Resp: 470010

Ion	Ratio	Lower	Upper
142	100		
141	81.5	69.8	104.6
115	39.9	33.0	49.6



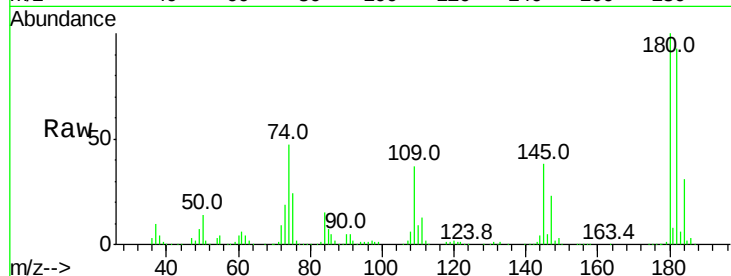
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 14.58 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 2 Mar 2022 5.32

Tgt Ion:180 Resp: 1188973
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.4 116.2
 184 30.4 24.9 37.3



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

