

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038765.D
 Acq On : 25 Mar 2022 14:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Mar 25 23:23:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	838616	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	2287614	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2580354	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1670232	8.44	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	953972	8.46	ppbv	99
3) Chlorodifluoromethane	3.01	51	796310	8.99	ppbv	97
4) Chloromethane	3.16	50	435353	8.95	ppbv	100
5) Vinyl Chloride	3.28	62	467224	9.46	ppbv	96
6) Bromomethane	3.50	94	276901	10.51	ppbv	99
7) Chloroethane	3.58	64	159133	9.73	ppbv	97
8) Dichlorotetrafluoroethane	3.21	85	1121790	9.97	ppbv	99
9) Propene	3.03	41	334476	7.82	ppbv	98
10) Heptane	8.15	43	898881	8.79	ppbv	97
11) Trichlorofluoromethane	3.97	101	1105083	11.11	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.51	101	838433	10.95	ppbv	98
13) Ethanol	3.64	45	24315	5.15	ppbv	92
14) Bromoethene	3.76	108	371116	10.90	ppbv	96
15) Acetone	3.87	43	739733	10.22	ppbv	100
16) 1,3-Butadiene	3.35	39	400566	9.75	ppbv	98
17) tert-Butyl alcohol	4.31	59	804098	12.72	ppbv	99
18) 1,1-Dichloroethene	4.31	96	364206	10.58	ppbv	98
19) Isopropyl Alcohol	3.99	45	390820	9.74	ppbv #	98
20) Methylene Chloride	4.37	84	308526	10.12	ppbv	99
21) Allyl Chloride	4.44	41	571159	10.97	ppbv	100
22) trans-1,2-Dichloroethene	4.91	96	390942	10.95	ppbv	100
23) Vinyl Acetate	5.10	43	522952	7.46	ppbv #	99
24) 1,1-Dichloroethane	5.04	63	732927	10.62	ppbv	99
25) Ethyl Acetate	5.70	43	1831172	10.05	ppbv	99
26) Hexane	5.72	57	727535	8.92	ppbv	91
27) Carbon Disulfide	4.58	76	953863	11.92	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	671570	11.05	ppbv	99
29) Chloroform	5.78	83	1223044	9.37	ppbv	100
30) Cyclohexane	7.16	84	637673	8.99	ppbv	95
31) cis-1,2-Dichloroethene	5.57	61	730244	9.52	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1200198	9.52	ppbv	99
34) 2-Butanone	5.27	43	936866	10.35	ppbv	97
35) Carbon Tetrachloride	7.05	117	1280684	9.65	ppbv	99
36) Benzene	6.92	78	1547525	8.77	ppbv	99
37) 1,2-Dichloroethane	6.34	62	839041	9.34	ppbv	99
38) Trichloroethene	7.87	130	659825	8.92	ppbv	99
39) 1,2-Dichloropropane	7.64	63	582709	8.44	ppbv	99
40) 1,4-Dioxane	7.86	88	151131	6.31	ppbv #	17
41) Tetrahydrofuran	6.08	42	569525	8.45	ppbv	97
42) Bromodichloromethane	7.82	83	1278396	9.49	ppbv	99
43) Methyl Methacrylate	8.04	69	657944	10.04	ppbv	96

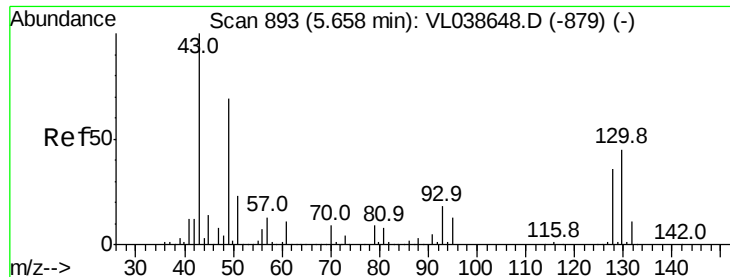
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2515383	8.49	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	718661	10.78	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	899795	9.98	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	647875	8.79	ppbv	99
48) Dibromochloromethane	10.33	129	1147948	9.95	ppbv	99
49) Bromoform	13.07	173	954702	10.15	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	1460264	8.67	ppbv	98
51) 2-Hexanone	10.16	43	1112238	9.20	ppbv #	100
52) Tetrachloroethene	11.26	164	563907	8.73	ppbv	98
53) Toluene	9.84	91	1792777	9.45	ppbv	98
54) 1,2-Dibromoethane	10.64	107	964490	9.59	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	854672	7.99	ppbv	99
57) Chlorobenzene	12.18	112	1335407	7.18	ppbv	99
58) Ethyl Benzene	12.74	91	2279689	7.56	ppbv	99
59) m/p-Xylene	13.03	91	2299138	8.71	ppbv #	50
60) o-Xylene	13.72	91	1899653	7.58	ppbv	100
61) Styrene	13.56	104	1118193	8.23	ppbv	99
62) Isopropylbenzene	14.70	105	2911627	7.73	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1318648	6.79	ppbv	98
64) n-propylbenzene	15.59	120	770048	7.79	ppbv	94
65) tert-Butylbenzene	16.77	119	2602487	7.69	ppbv	98
66) Benzyl Chloride	17.01	91	571088	8.91	ppbv	100
67) sec-Butylbenzene	17.32	105	3691795	7.63	ppbv	100
69) p-Isopropyltoluene	17.68	119	3049932	7.72	ppbv	99
70) n-Butylbenzene	18.58	91	3148449	7.73	ppbv	100
71) 2-Chlorotoluene	15.48	91	2125298	7.60	ppbv	98
72) 4-Ethyltoluene	15.87	105	2284927	7.73	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	1995969	7.41	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2180814	7.43	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1313430	7.02	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1289474	6.93	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	1272071	6.87	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	965449	5.64	ppbv	99
79) Naphthalene	22.23	128	1723527	7.68	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	436008	7.25	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	985916	6.42	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.70 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

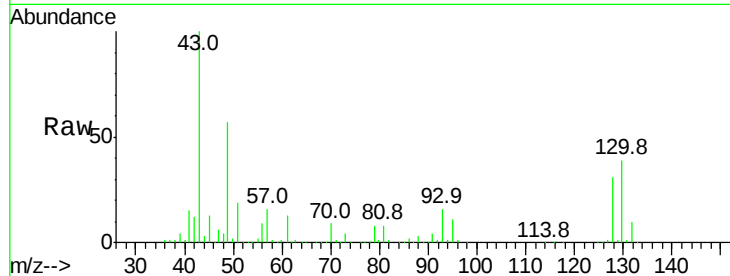
Tgt Ion: 49 Resp: 838616

Ion Ratio Lower Upper

49 100

128 56.6 26.2 78.6

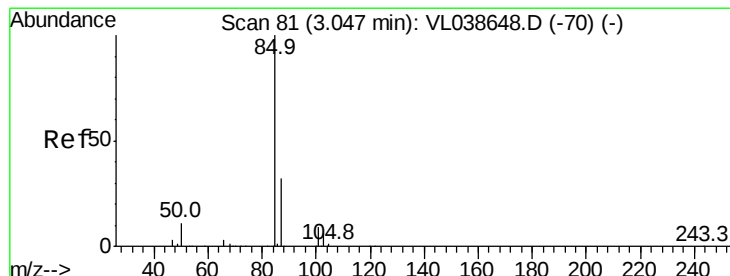
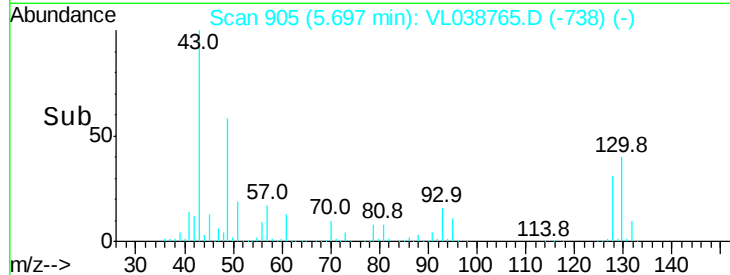
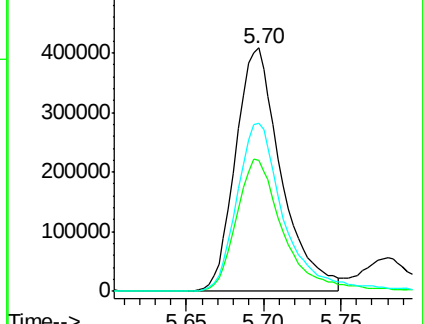
130 72.0 33.7 101.1



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: 8.46 ppbv

RT: 3.07 min Scan# 89

Delta R.T. 0.03 min

Lab File: VL038765.D

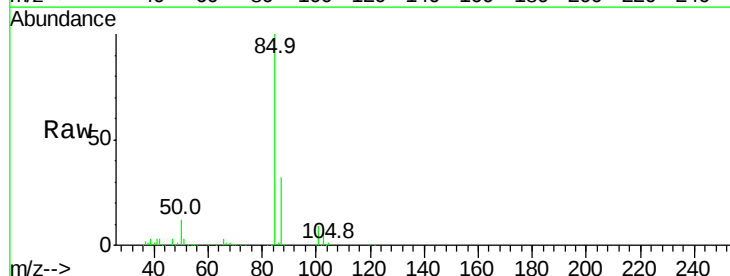
Acq: 25 Mar 2022 14:19

Tgt Ion: 85 Resp: 953972

Ion Ratio Lower Upper

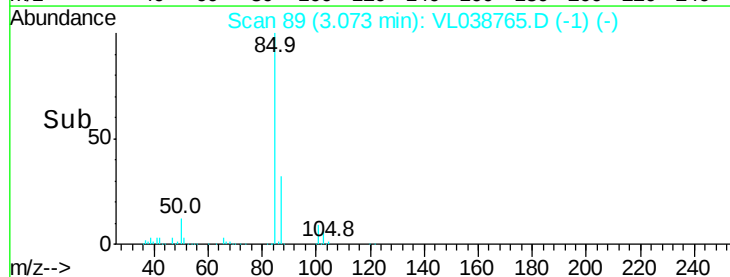
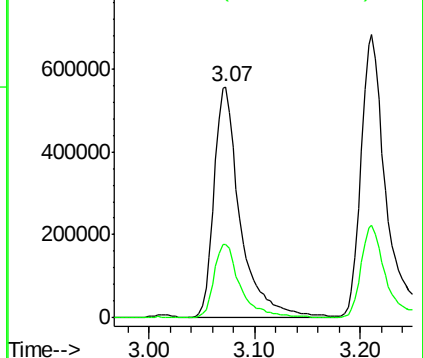
85 100

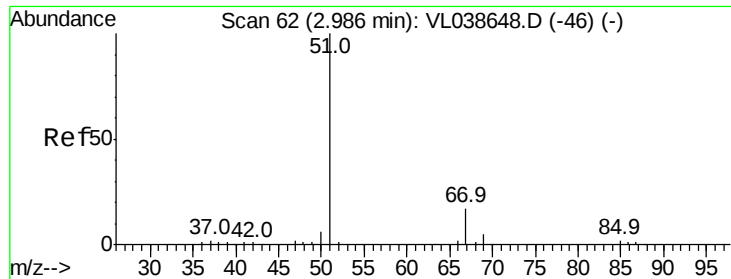
87 31.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.99 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

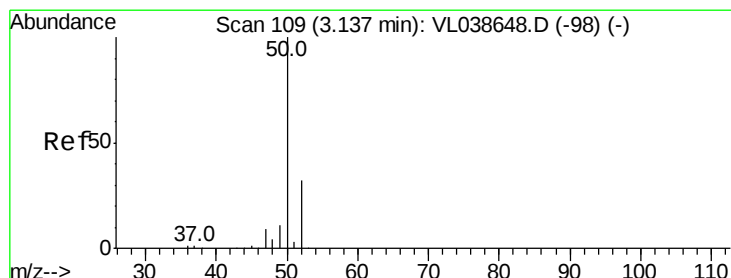
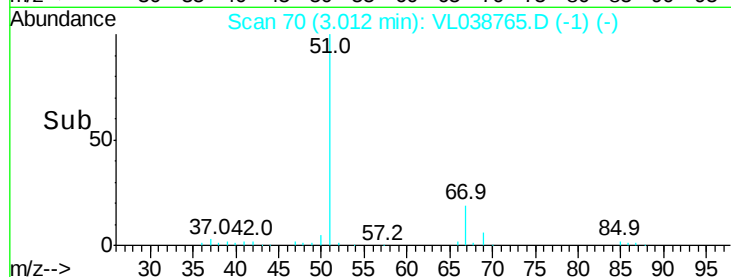
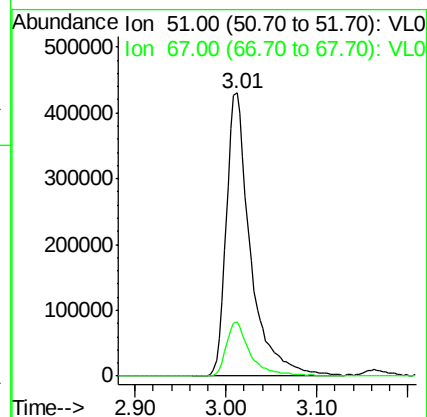
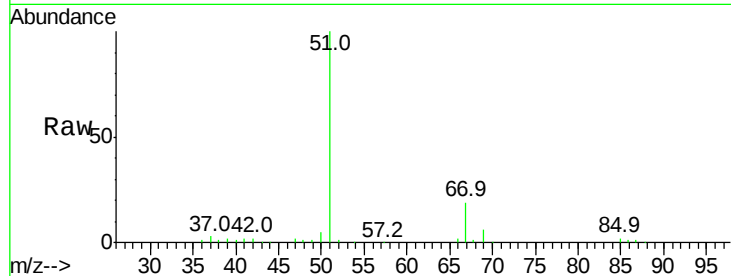
Acq: 25 Mar 2022 14:19

Tgt Ion: 51 Resp: 796310

Ion Ratio Lower Upper

51 100

67 19.0 14.1 21.1



#4

Chloromethane

Concen: 8.95 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.03 min

Lab File: VL038765.D

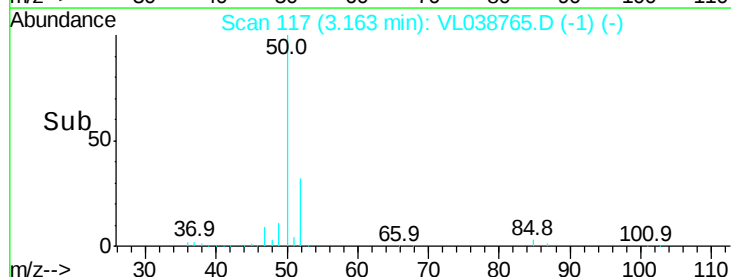
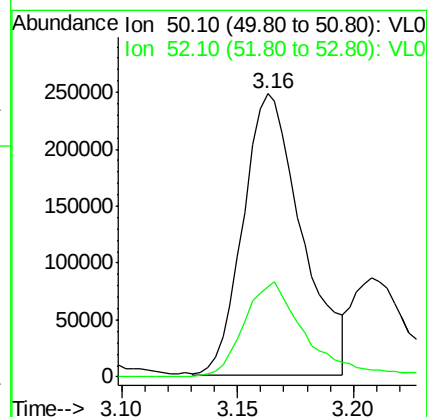
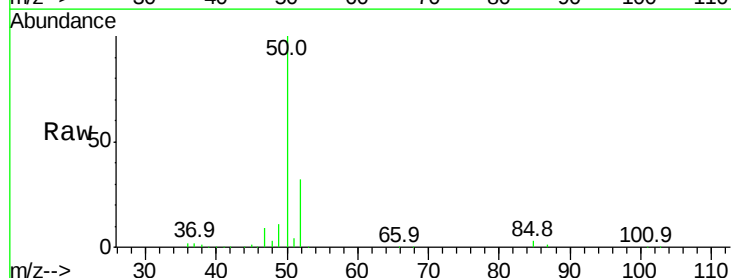
Acq: 25 Mar 2022 14:19

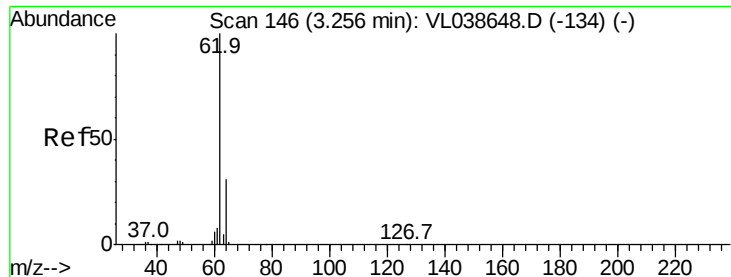
Tgt Ion: 50 Resp: 435353

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3





#5

Vinyl Chloride

Concen: 9.46 ppbv

RT: 3.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

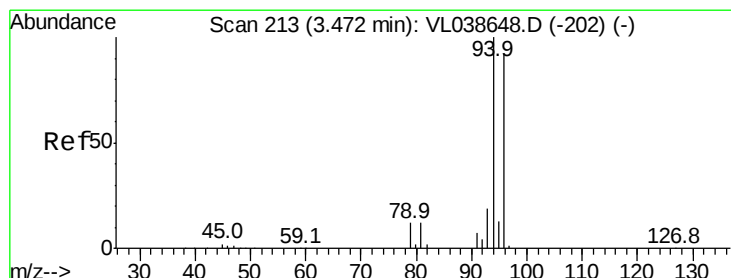
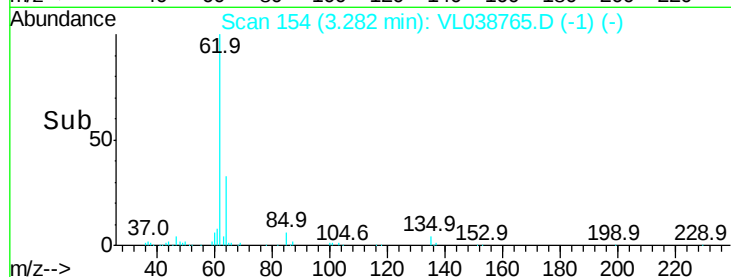
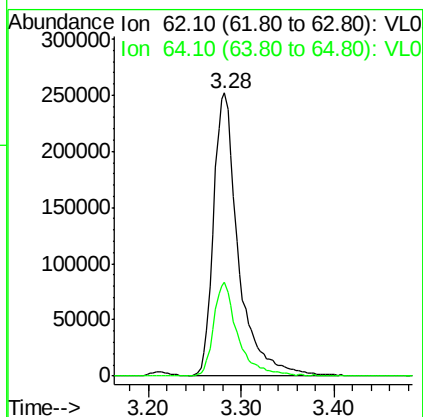
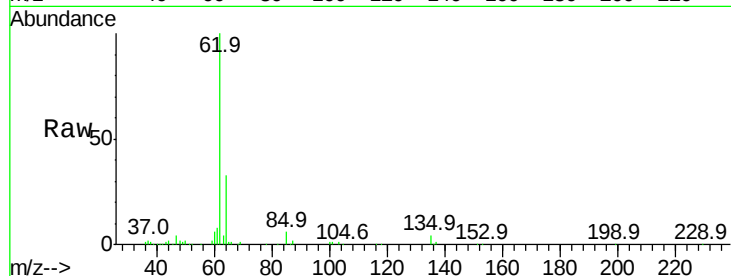
Acq: 25 Mar 2022 14:19

Tgt Ion: 62 Resp: 467224

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4



#6

Bromomethane

Concen: 10.51 ppbv

RT: 3.50 min Scan# 221

Delta R.T. 0.03 min

Lab File: VL038765.D

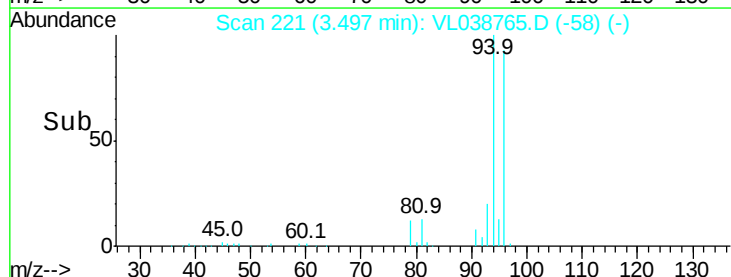
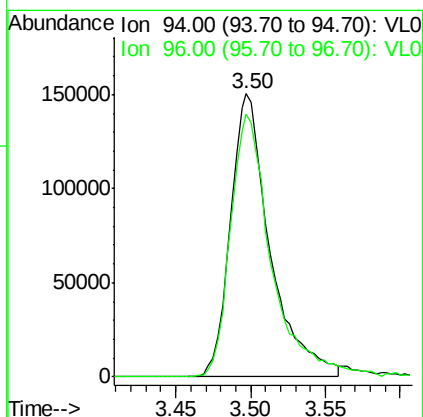
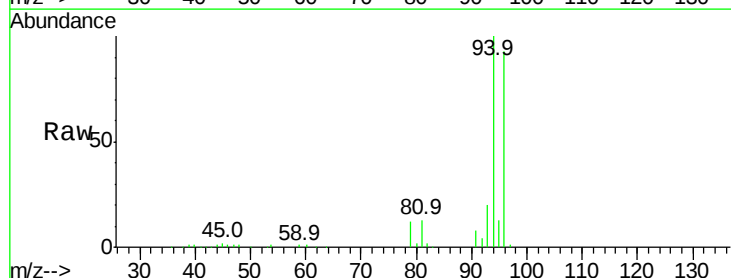
Acq: 25 Mar 2022 14:19

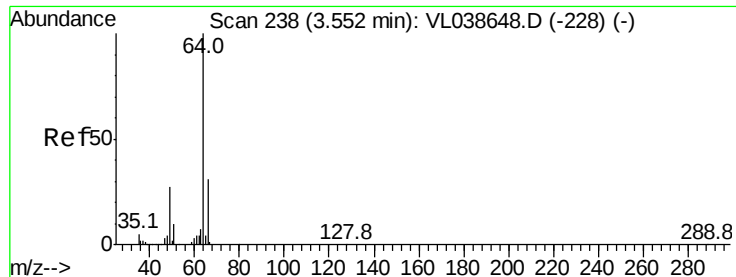
Tgt Ion: 94 Resp: 276901

Ion Ratio Lower Upper

94 100

96 92.7 73.3 109.9





#7

Chloroethane

Concen: 9.73 ppbv

RT: 3.58 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010EC

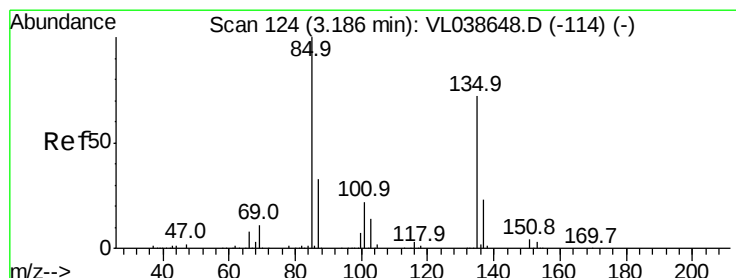
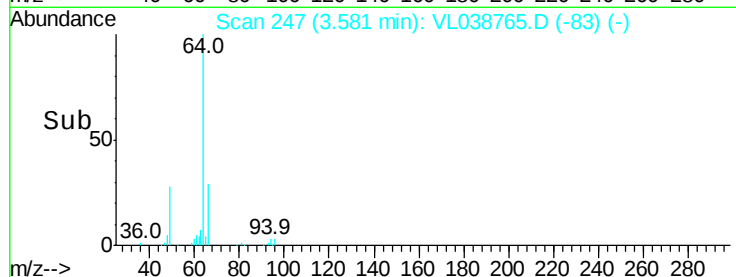
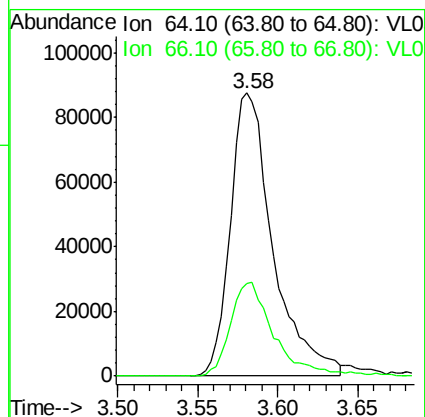
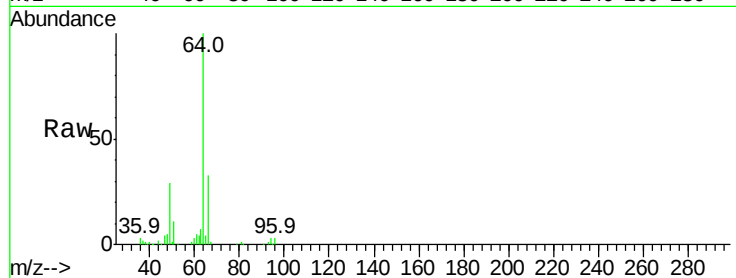
Acq: 25 Mar 2022 14:19

Tgt Ion: 64 Resp: 159133

Ion Ratio Lower Upper

64 100

66 32.7 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 9.97 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.03 min

Lab File: VL038765.D

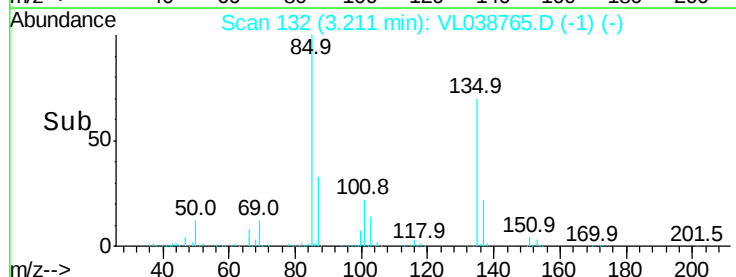
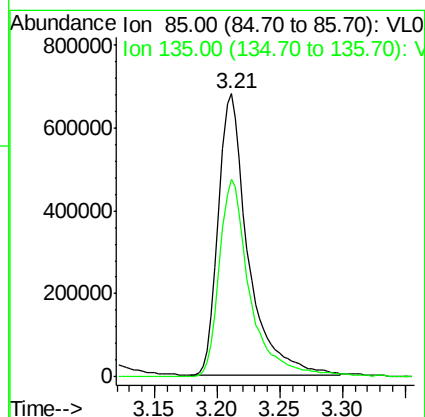
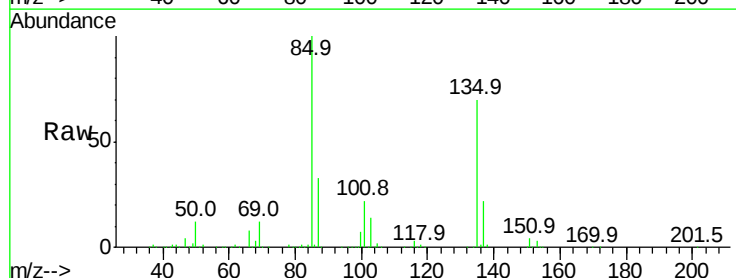
Acq: 25 Mar 2022 14:19

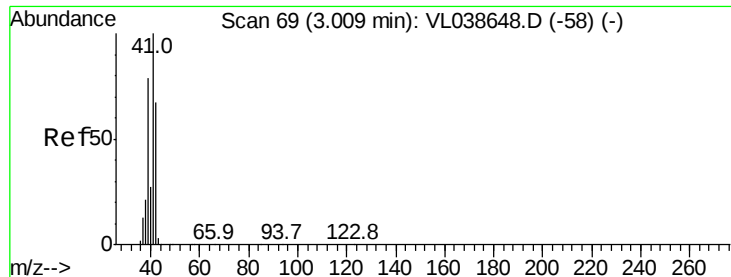
Tgt Ion: 85 Resp: 1121790

Ion Ratio Lower Upper

85 100

135 72.9 57.8 86.6





#9

Propene

Concen: 7.82 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

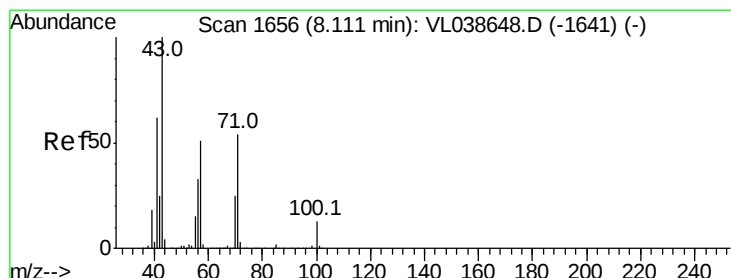
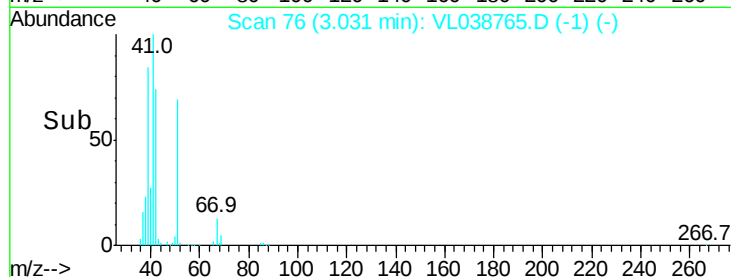
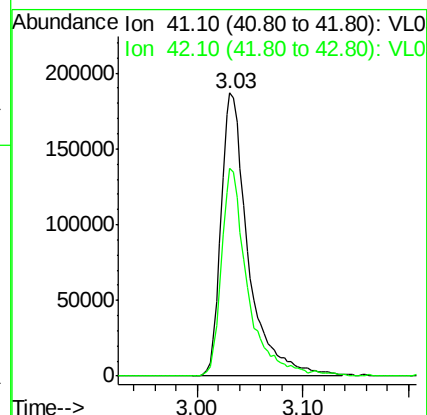
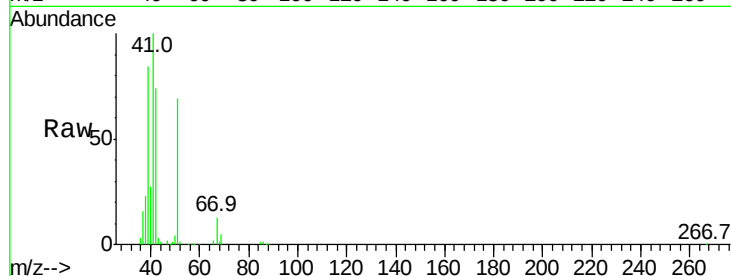
Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion: 41 Resp: 334476

Ion Ratio Lower Upper

41 100

42 71.5 56.2 84.4



#10

Heptane

Concen: 8.79 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.04 min

Lab File: VL038765.D

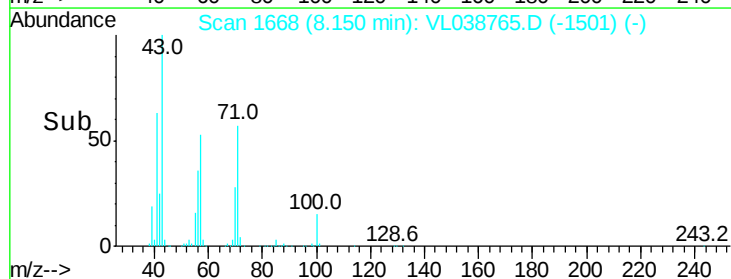
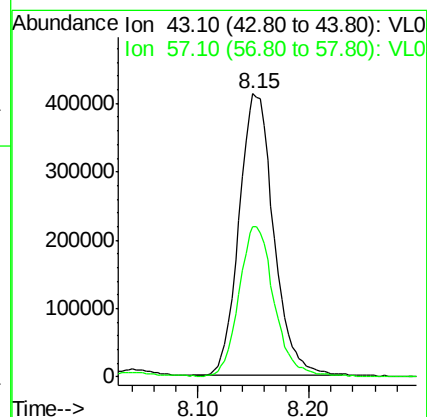
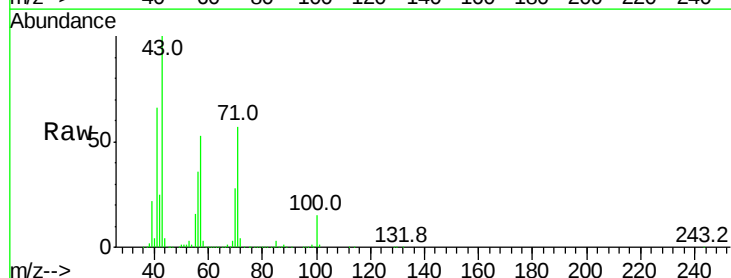
Acq: 25 Mar 2022 14:19

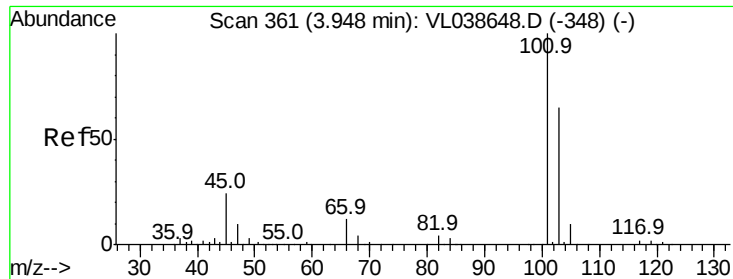
Tgt Ion: 43 Resp: 898881

Ion Ratio Lower Upper

43 100

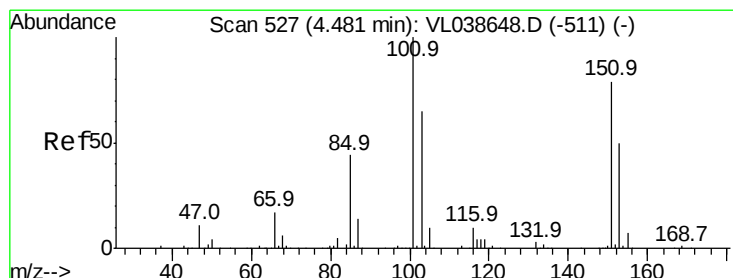
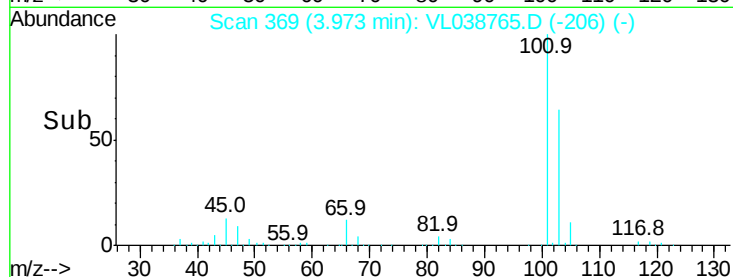
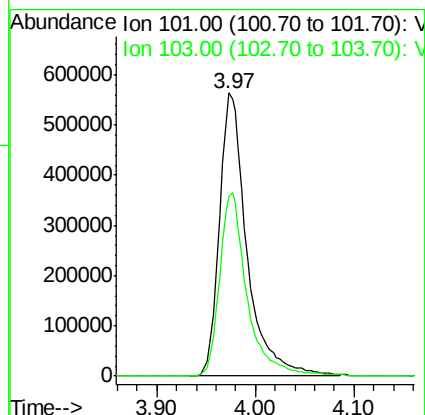
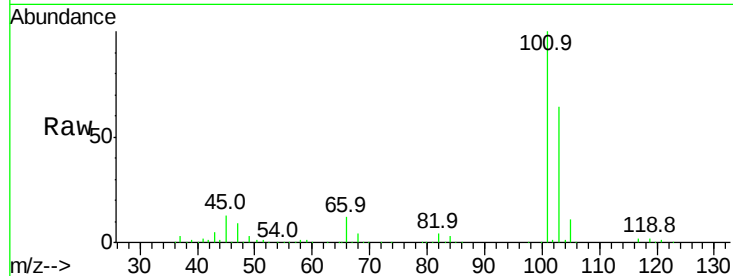
57 53.8 41.4 62.2





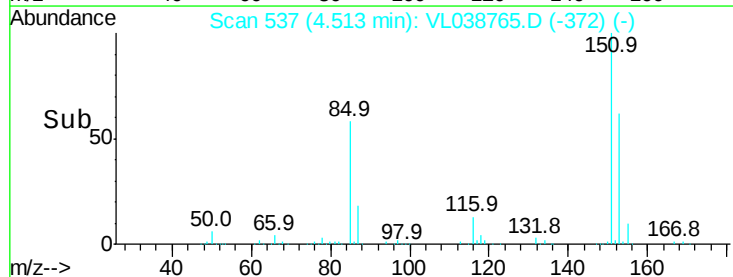
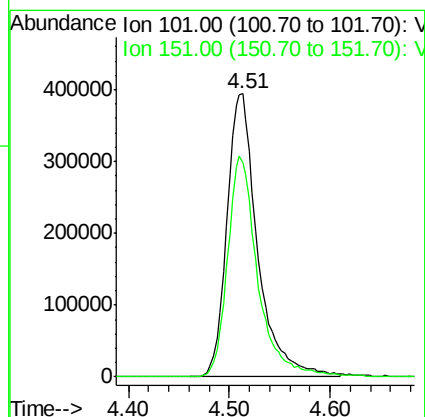
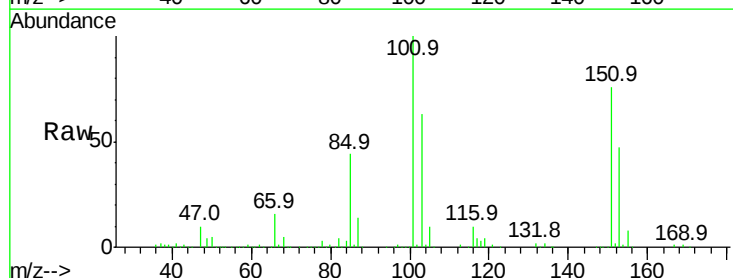
#11
 Trichlorofluoromethane
 Concen: 11.11 ppbv
 RT: 3.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

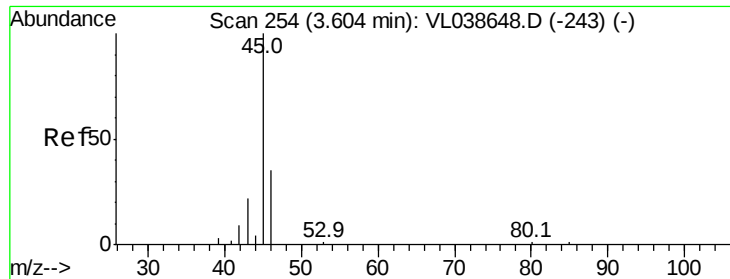
Tgt Ion:101 Resp: 1105083
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.95 ppbv
 RT: 4.51 min Scan# 537
 Delta R.T. 0.03 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

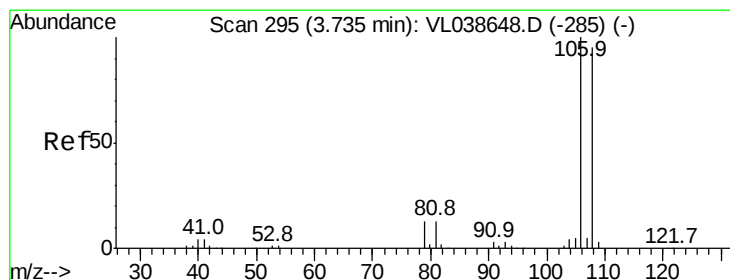
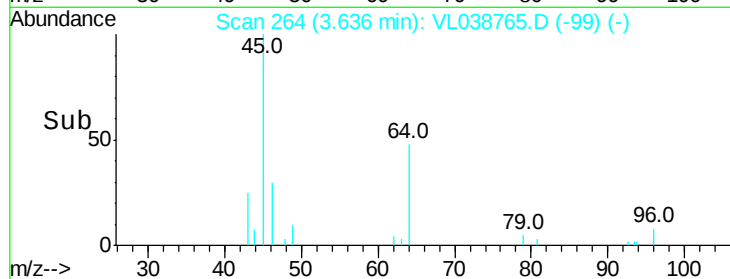
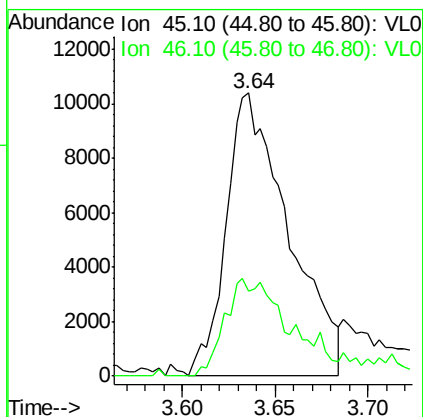
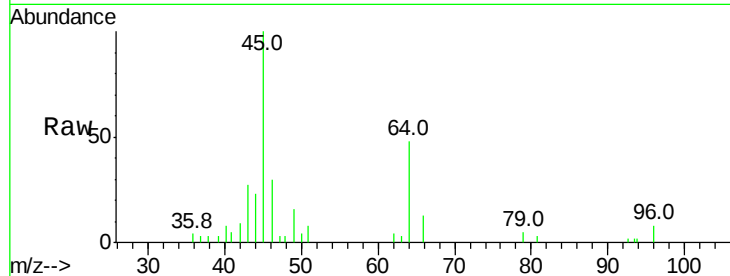
Tgt Ion:101 Resp: 838433
 Ion Ratio Lower Upper
 101 100
 151 77.1 62.9 94.3





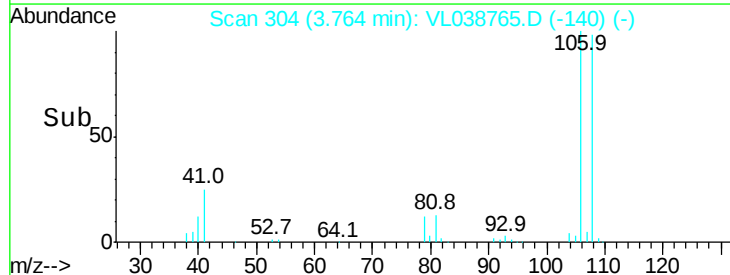
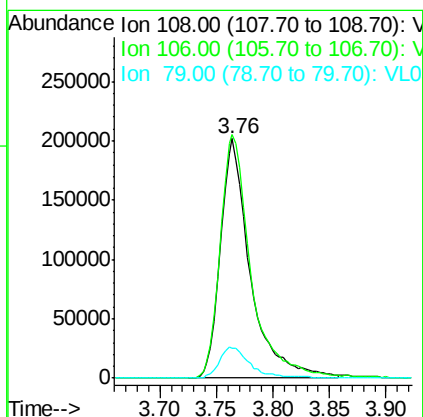
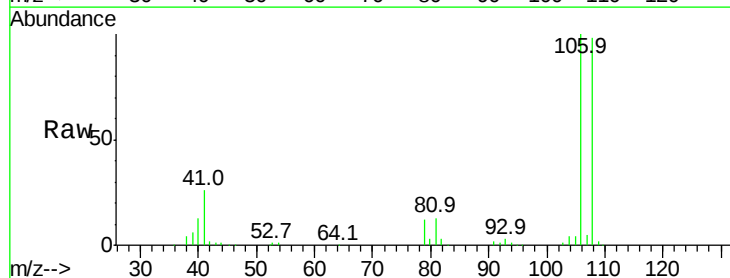
#13
 Ethanol
 Concen: 5.15 ppbv
 RT: 3.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

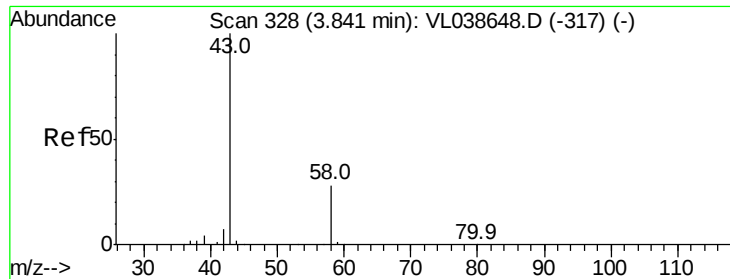
Tgt Ion: 45 Resp: 24315
 Ion Ratio Lower Upper
 45 100
 46 42.8 15.1 60.5



#14
 Bromoethene
 Concen: 10.90 ppbv
 RT: 3.76 min Scan# 304
 Delta R.T. 0.03 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion: 108 Resp: 371116
 Ion Ratio Lower Upper
 108 100
 106 105.6 88.3 132.5
 79 13.9 11.2 16.8





#15

Acetone

Concen: 10.22 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

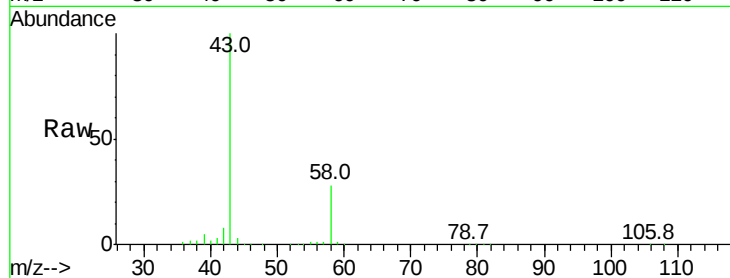
Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 739733

Ion Ratio Lower Upper

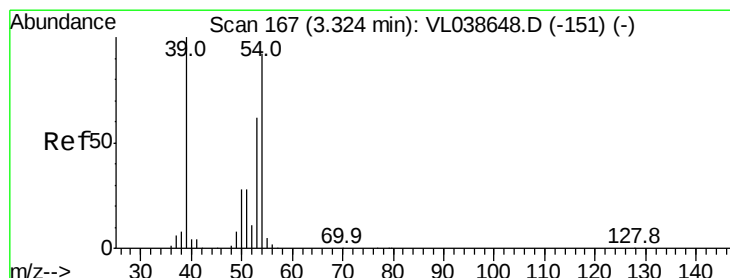
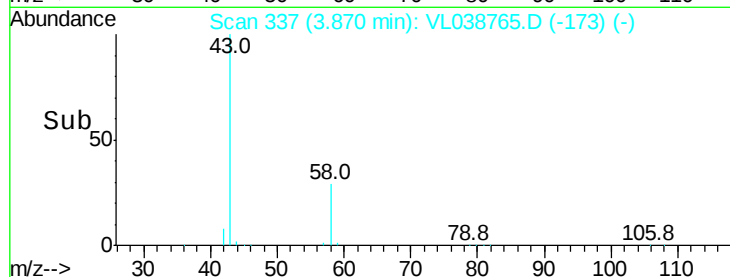
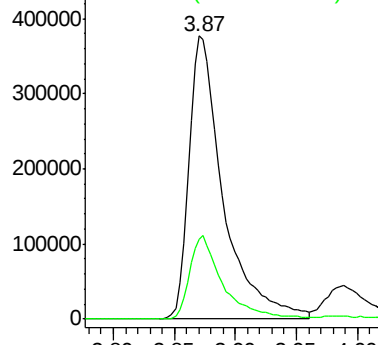
43 100

58 29.0 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.75 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.03 min

Lab File: VL038765.D

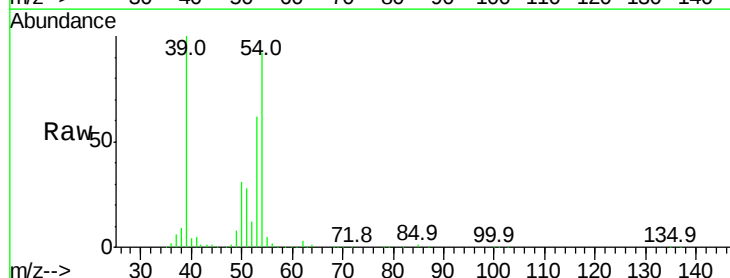
Acq: 25 Mar 2022 14:19

Tgt Ion: 39 Resp: 400566

Ion Ratio Lower Upper

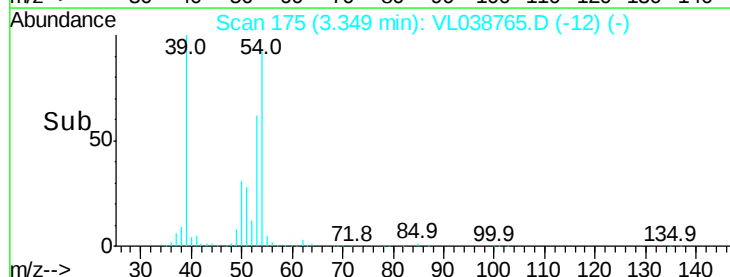
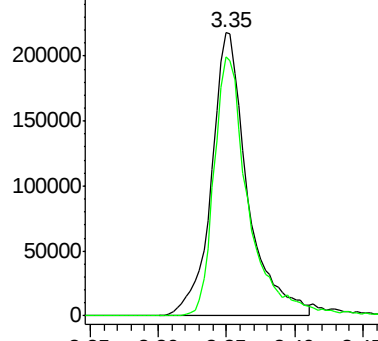
39 100

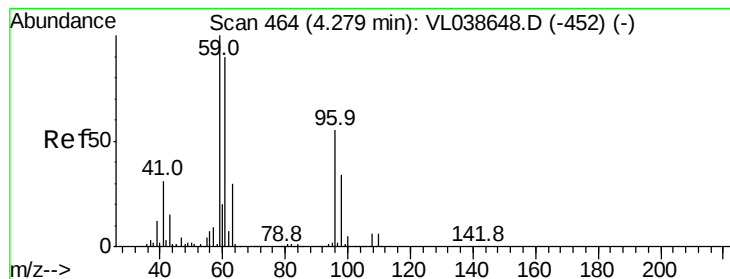
54 88.3 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.72 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

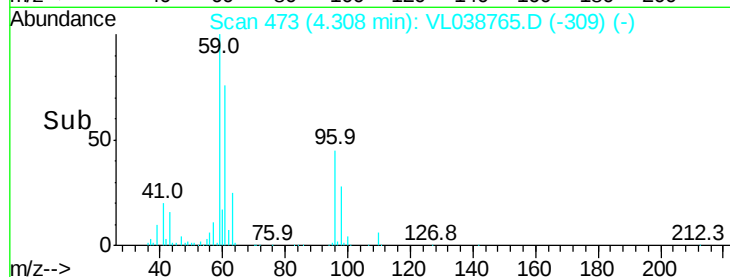
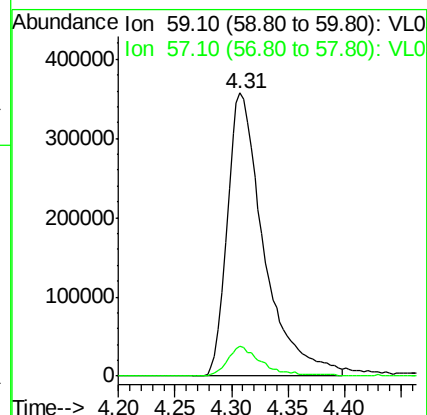
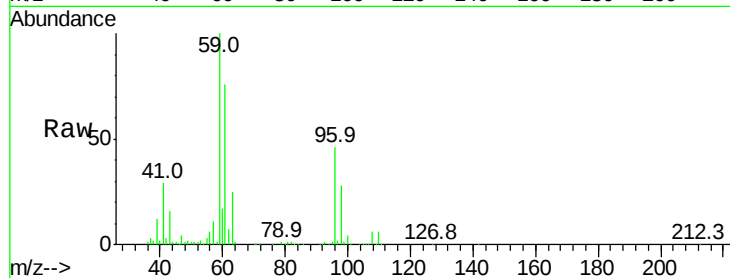
Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion: 59 Resp: 804098

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.2



#18

1,1-Dichloroethene

Concen: 10.58 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.03 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

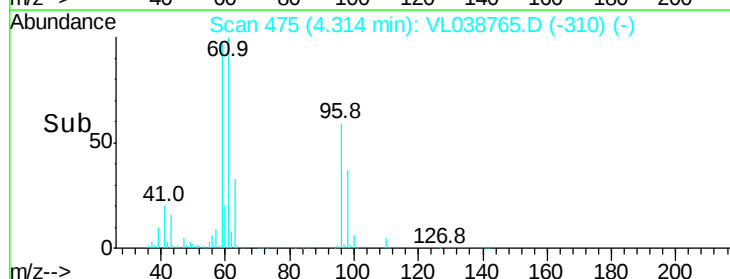
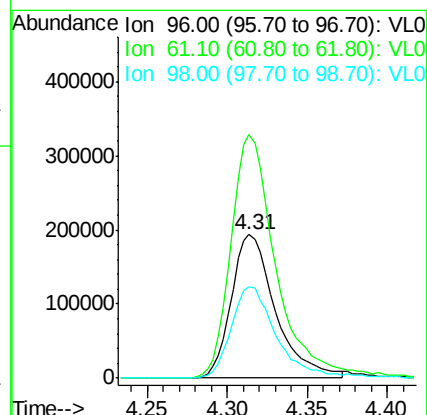
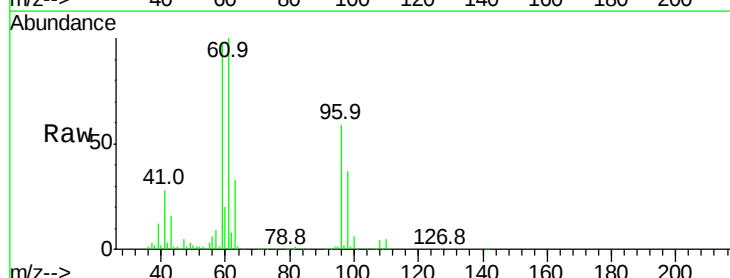
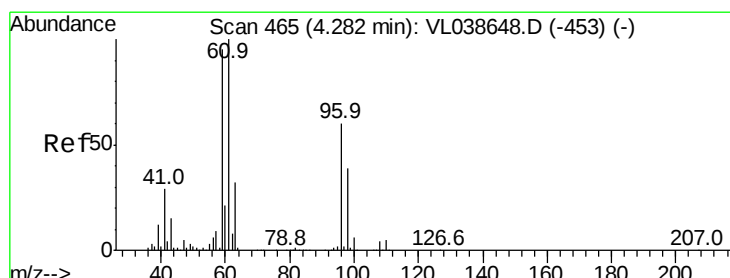
Tgt Ion: 96 Resp: 364206

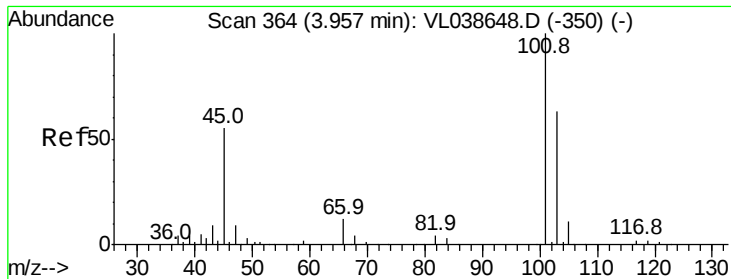
Ion Ratio Lower Upper

96 100

61 169.3 132.4 198.6

98 63.5 51.6 77.4





#19

Isopropyl Alcohol

Concen: 9.74 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

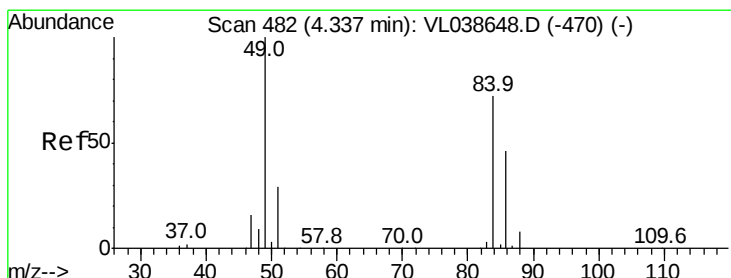
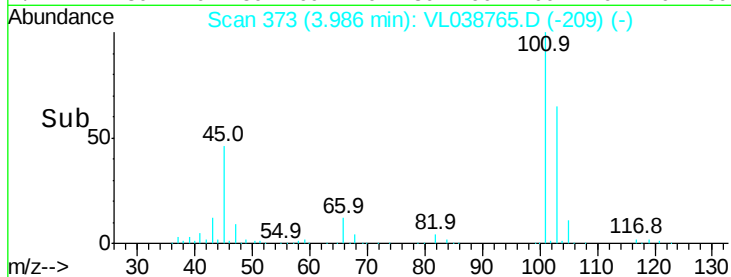
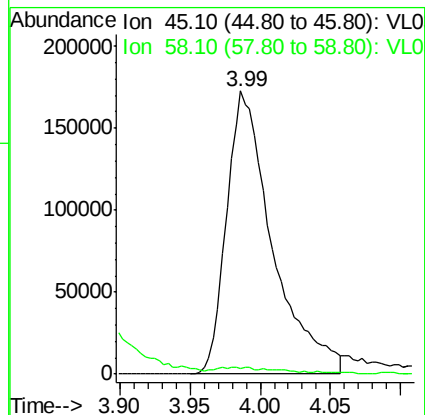
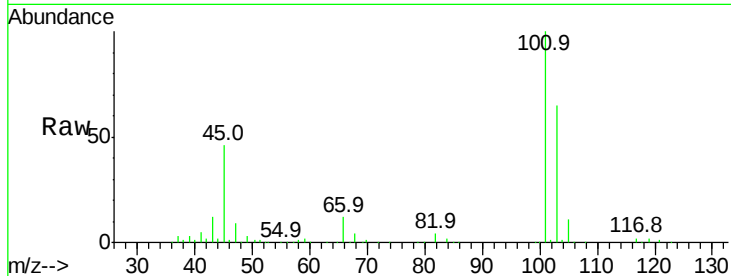
Acq: 25 Mar 2022 14:19

Tgt Ion: 45 Resp: 390820

Ion Ratio Lower Upper

45 100

58 3.5 2.3 3.5#



#20

Methylene Chloride

Concen: 10.12 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion: 84 Resp: 308526

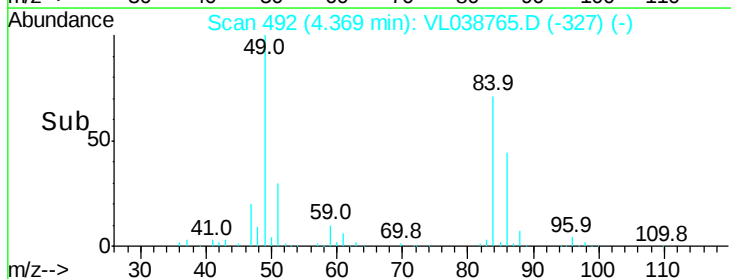
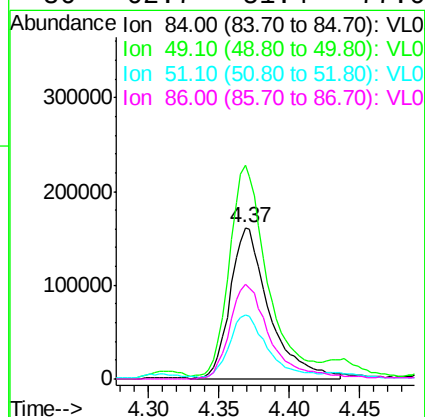
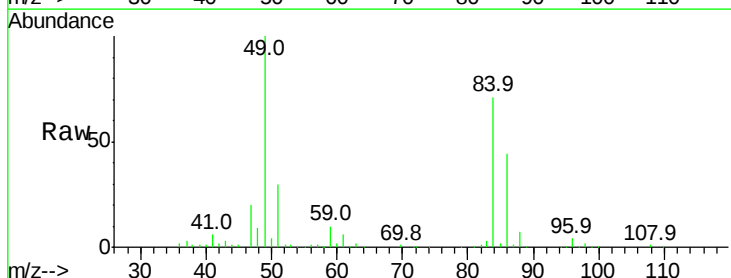
Ion Ratio Lower Upper

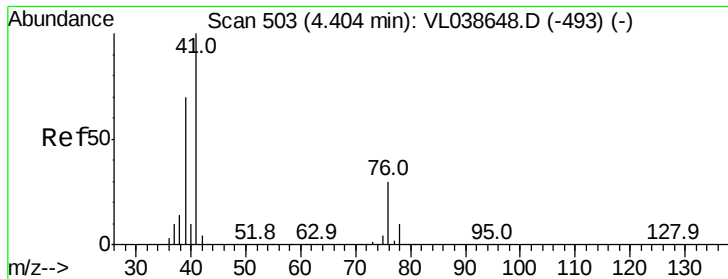
84 100

49 139.8 111.2 166.8

51 40.7 32.8 49.2

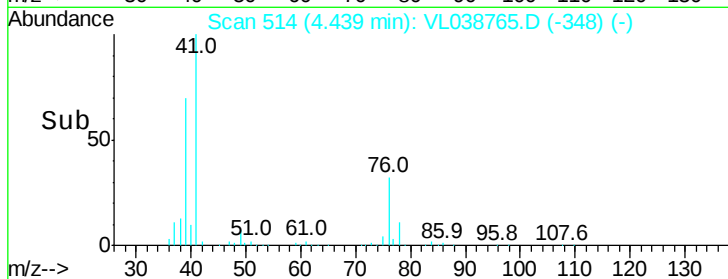
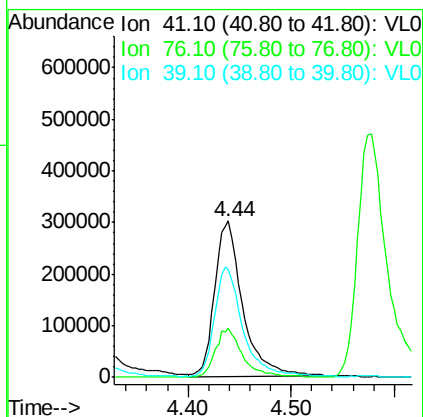
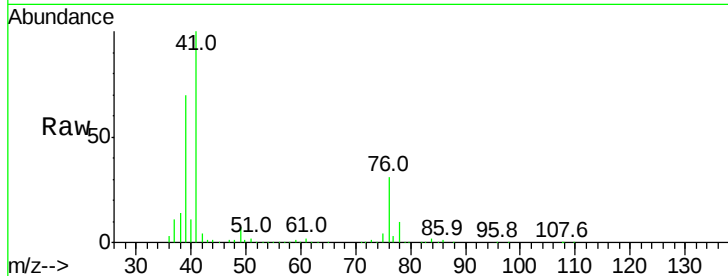
86 62.7 51.4 77.0





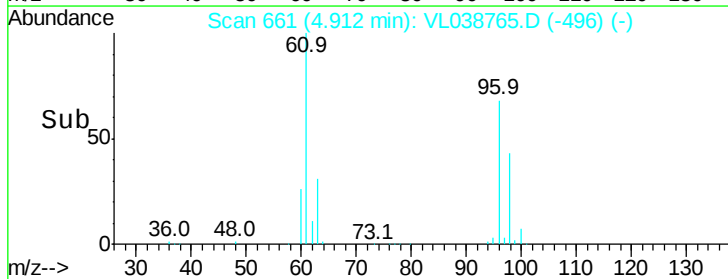
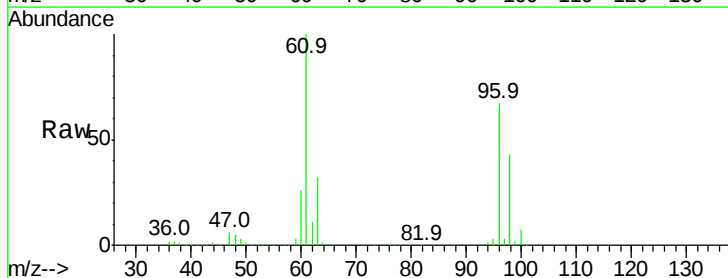
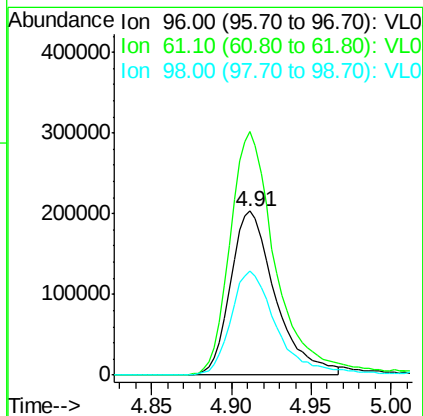
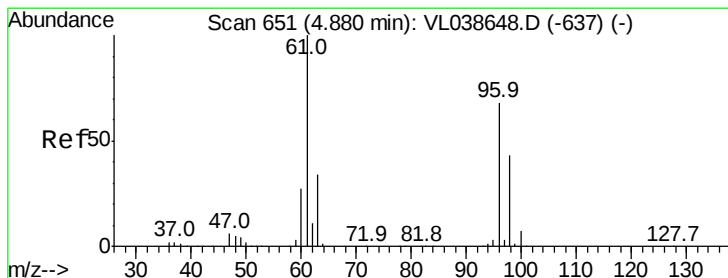
#21
 Allyl Chloride
 Concen: 10.97 ppbv
 RT: 4.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

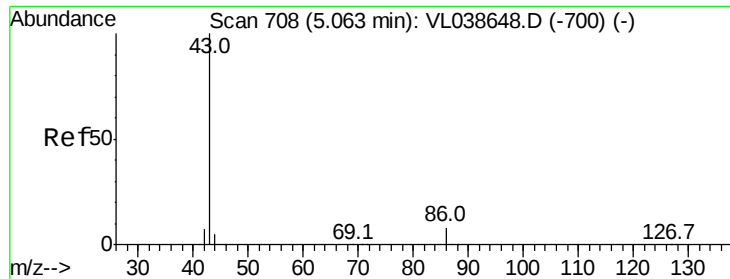
Tgt Ion: 41 Resp: 571159
 Ion Ratio Lower Upper
 41 100
 76 31.0 25.0 37.6
 39 70.5 56.6 85.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.95 ppbv
 RT: 4.91 min Scan# 661
 Delta R.T. 0.03 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion: 96 Resp: 390942
 Ion Ratio Lower Upper
 96 100
 61 148.3 118.3 177.5
 98 63.5 51.3 76.9





#23

Vinyl Acetate

Concen: 7.46 ppbv

RT: 5.10 Instrument: MSVOA_1

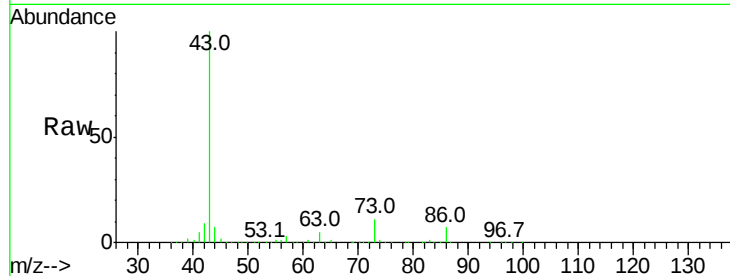
Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 522952

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	8.9	6.8	10.2
44	6.4	4.2	6.2#

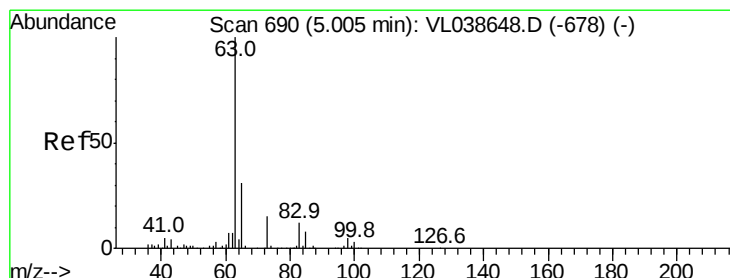
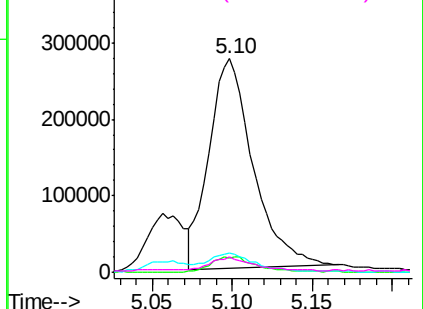
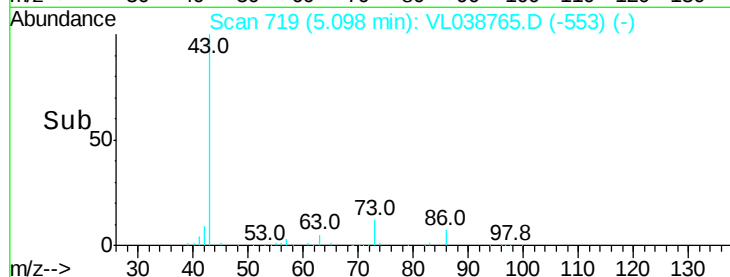


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.62 ppbv

RT: 5.04 min Scan# 700

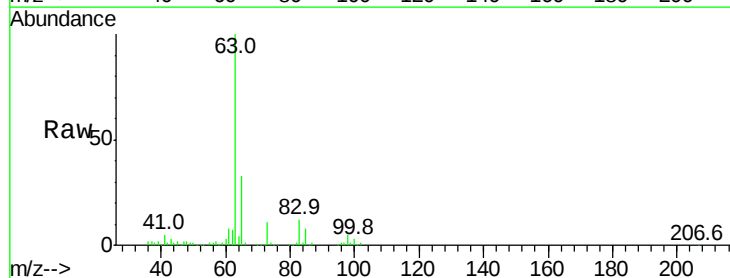
Delta R.T. 0.03 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion: 63 Resp: 732927

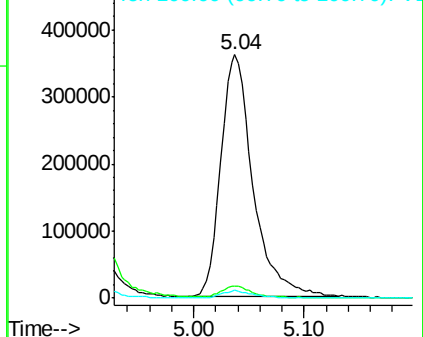
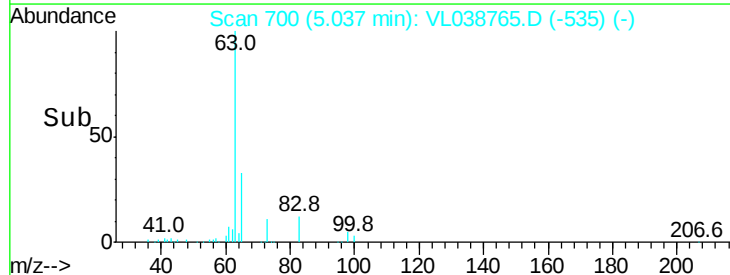
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.5	7.5
100	3.1	1.4	4.2

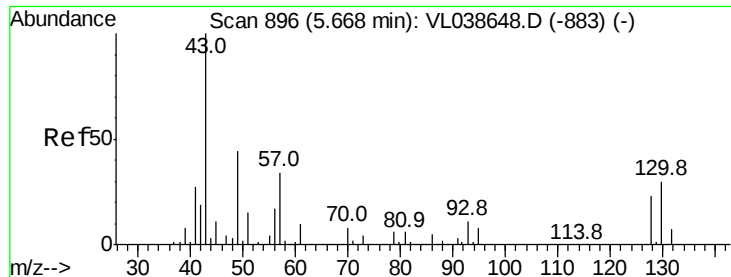


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

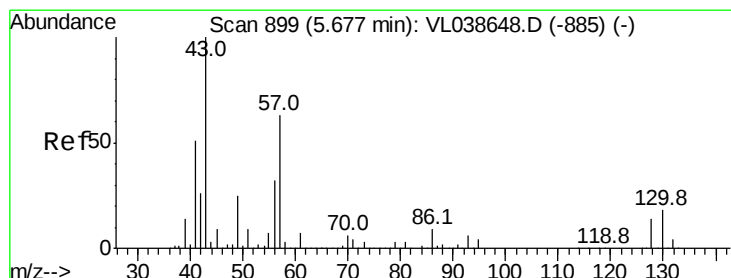
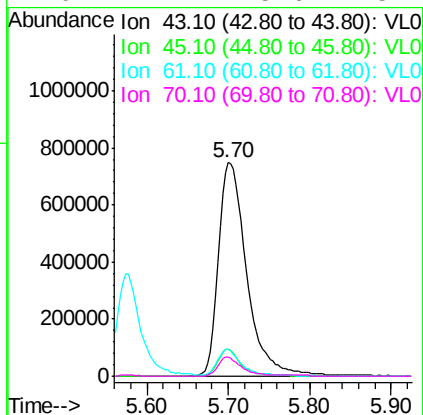
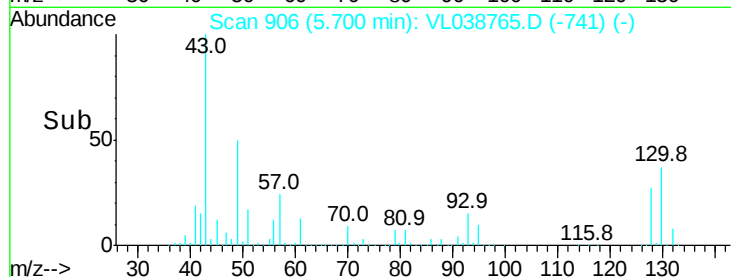
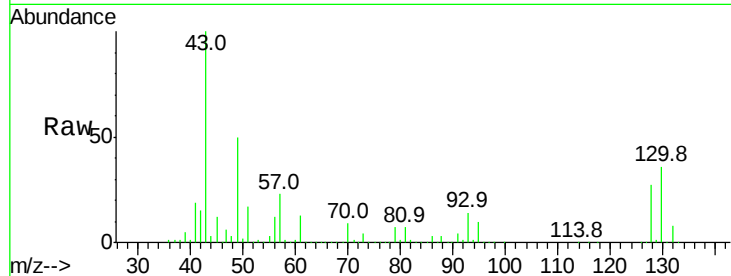




#25
Ethyl Acetate
Concen: 10.05 ppbv
RT: 5.70
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 1831172

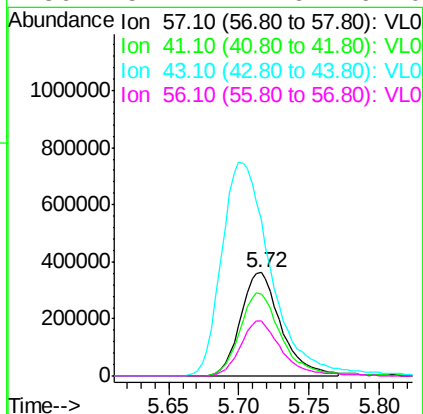
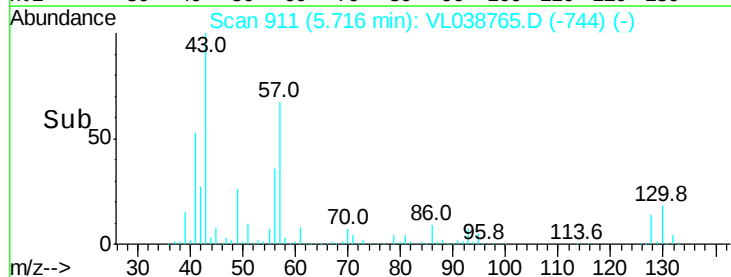
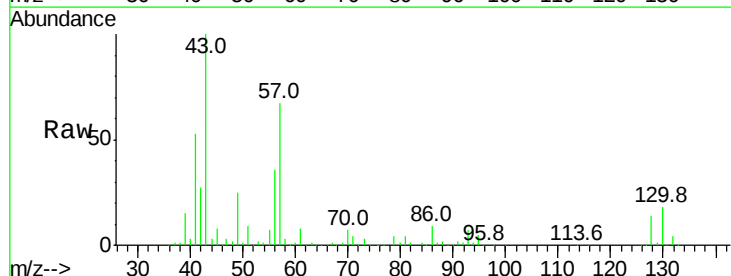
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.2	12.4
61	10.8	8.3	12.5
70	7.7	5.6	8.4

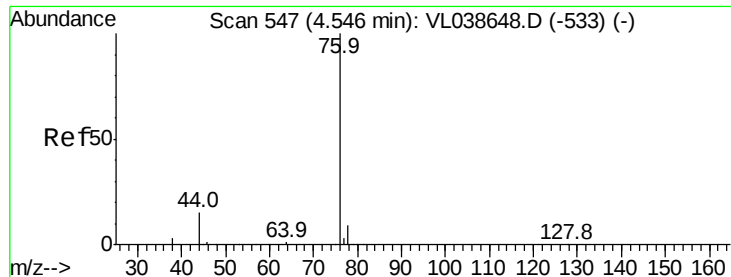


#26
Hexane
Concen: 8.92 ppbv
RT: 5.72 min Scan# 911
Delta R.T.: 0.04 min
Lab File: VL038765.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 57 Resp: 727535

Ion	Ratio	Lower	Upper
57	100		
41	84.6	67.0	100.4
43	253.8	184.2	276.2
56	54.7	42.6	64.0





#27

Carbon Disulfide

Concen: 11.92 ppbv

RT: 4.58 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

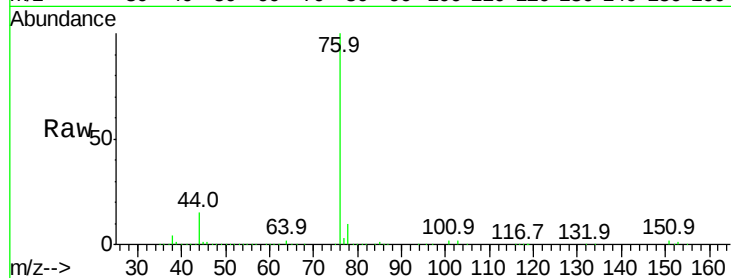
Tgt Ion: 76 Resp: 953863

Ion Ratio Lower Upper

76 100

44 15.7 12.4 18.6

78 9.4 7.8 11.8



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

600000

450000

300000

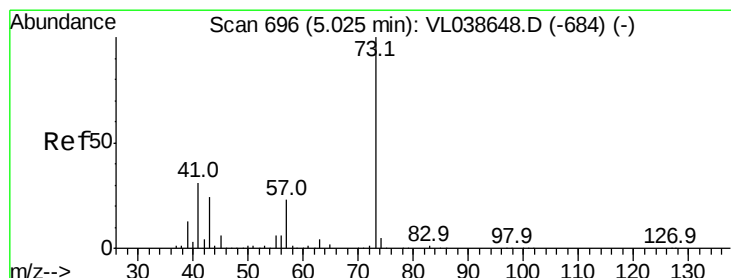
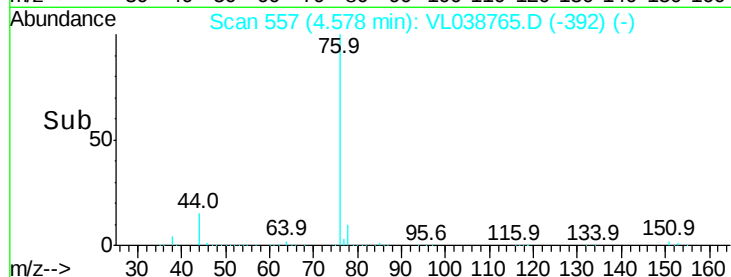
200000

100000

0

4.50 4.55 4.60 4.65 4.70

Time-->



#28

Methyl tert-Butyl Ether

Concen: 11.05 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.04 min

Lab File: VL038765.D

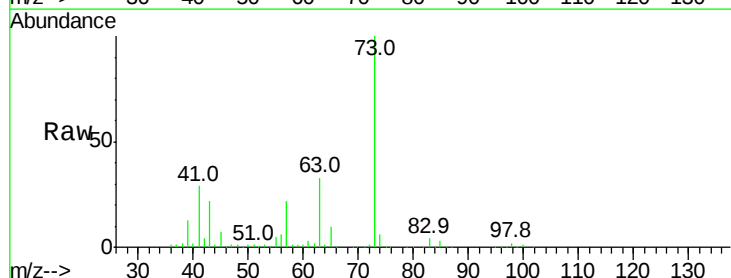
Acq: 25 Mar 2022 14:19

Tgt Ion: 73 Resp: 671570

Ion Ratio Lower Upper

73 100

57 23.4 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

300000

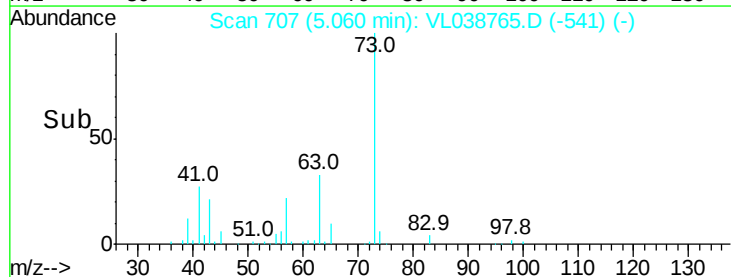
200000

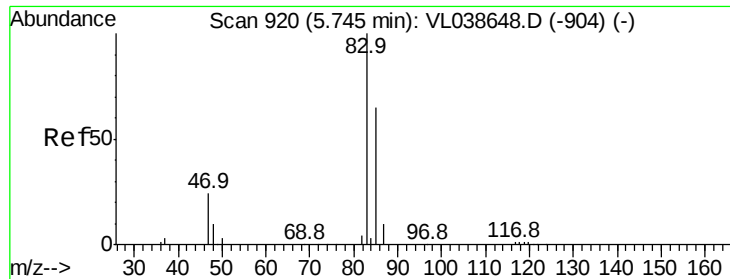
100000

0

5.00 5.05 5.10 5.15

Time-->





#29

Chloroform

Concen: 9.37 ppbv

RT: 5.78

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

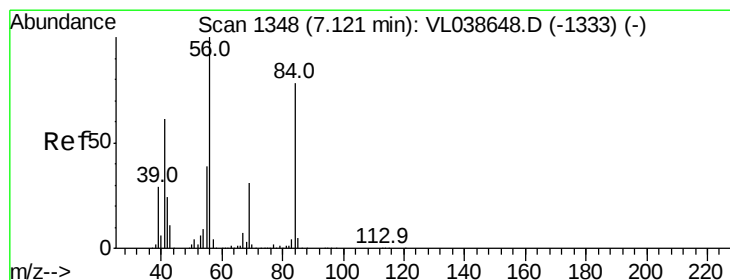
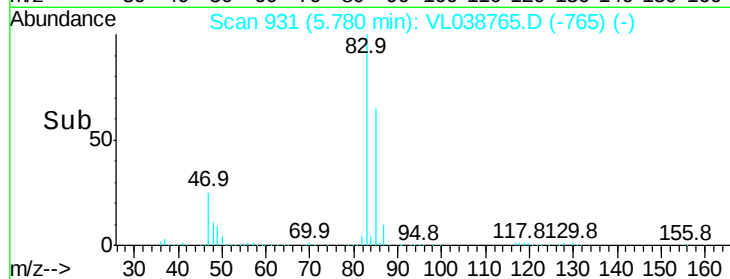
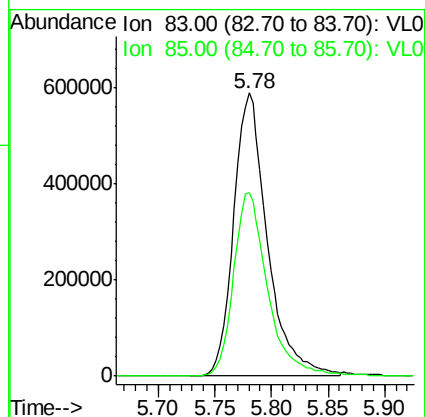
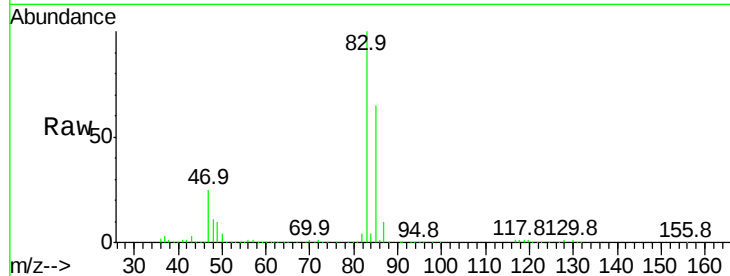
Acq: 25 Mar 2022 14:19

Tgt Ion: 83 Resp: 1223044

Ion Ratio Lower Upper

83 100

85 64.8 51.7 77.5



#30

Cyclohexane

Concen: 8.99 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

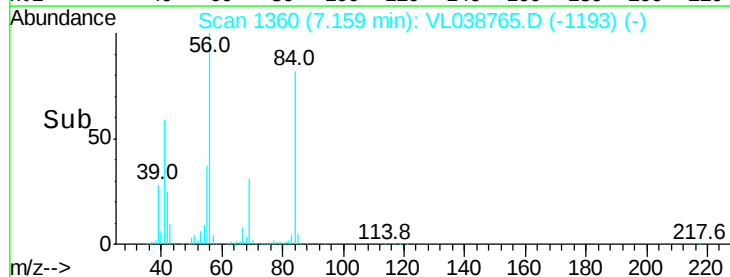
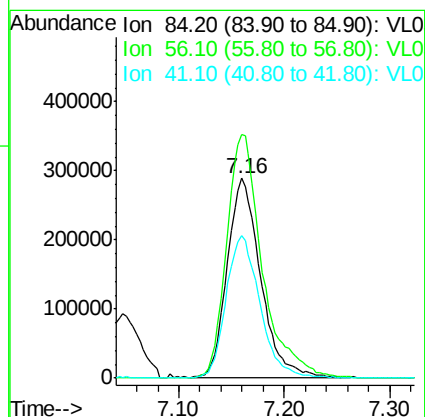
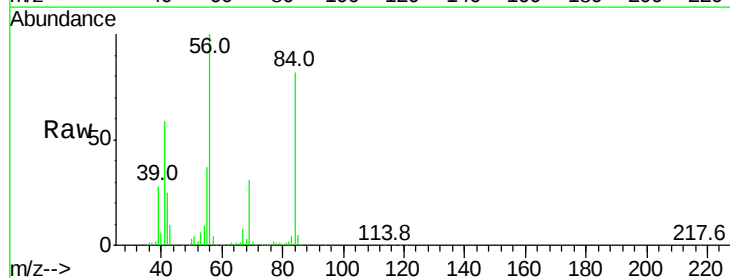
Tgt Ion: 84 Resp: 637673

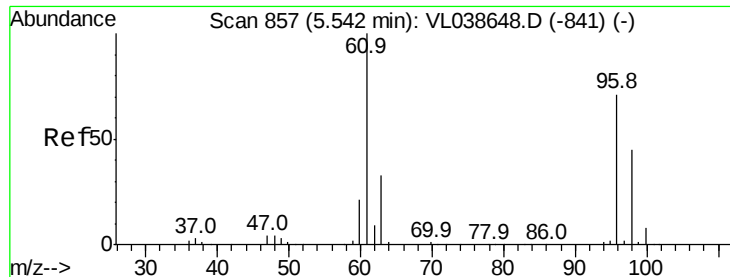
Ion Ratio Lower Upper

84 100

56 129.8 108.2 162.4

41 72.7 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 9.52 ppbv

RT: 5.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

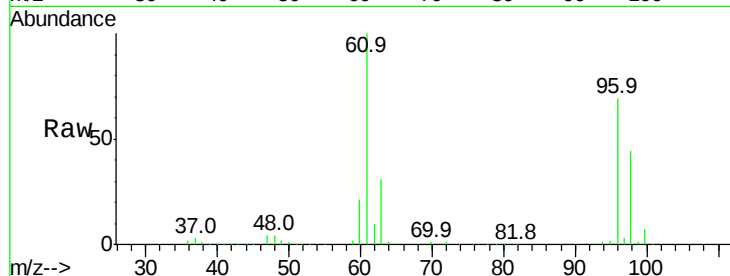
Tgt Ion: 61 Resp: 730244

Ion Ratio Lower Upper

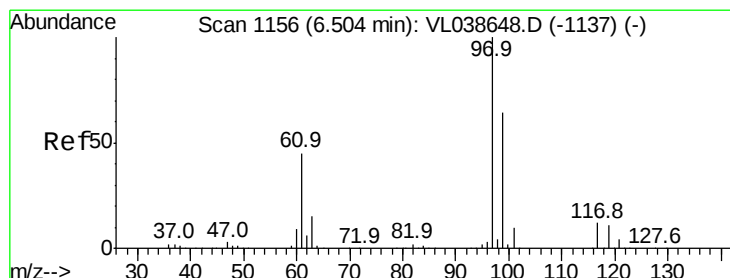
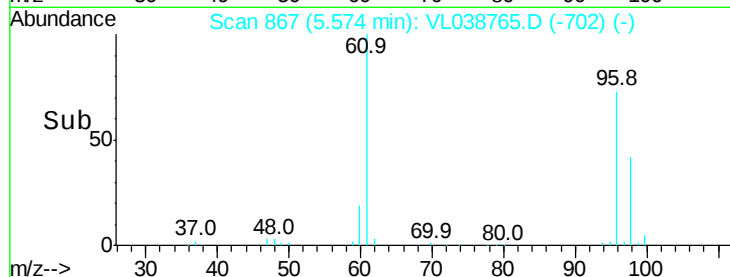
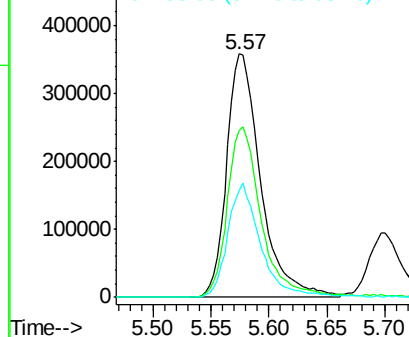
61 100

96 68.7 56.6 84.8

98 43.9 36.3 54.5



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



#32

1,1,1-Trichloroethane

Concen: 9.52 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

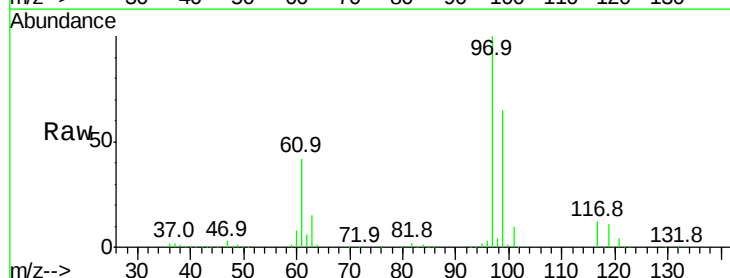
Tgt Ion: 97 Resp: 1200198

Ion Ratio Lower Upper

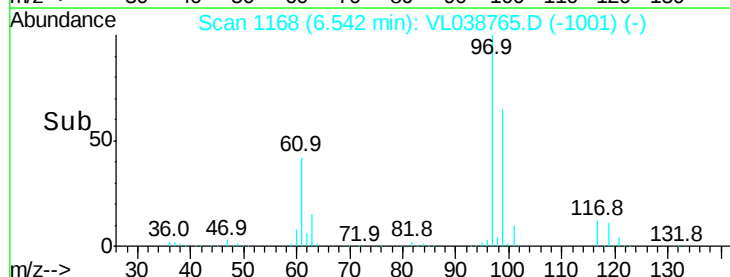
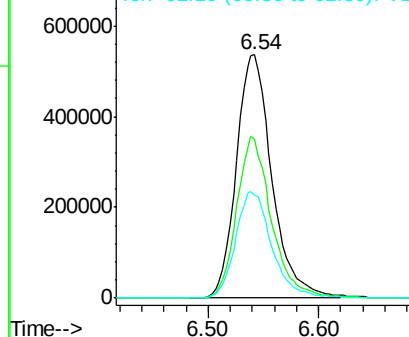
97 100

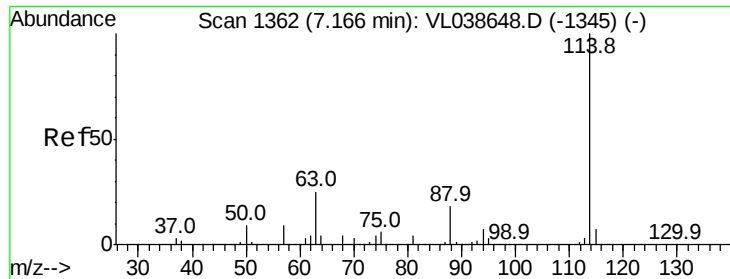
99 65.1 51.8 77.8

61 44.9 36.7 55.1



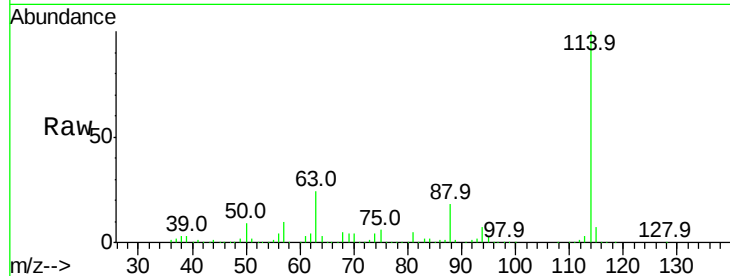
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



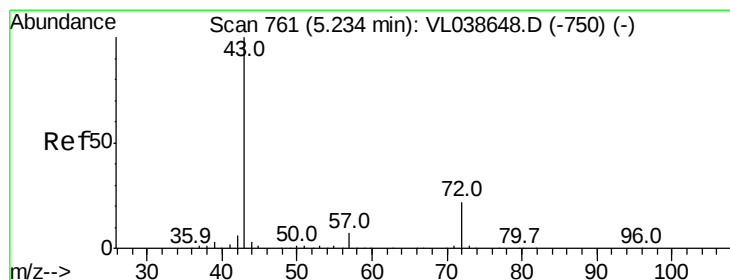
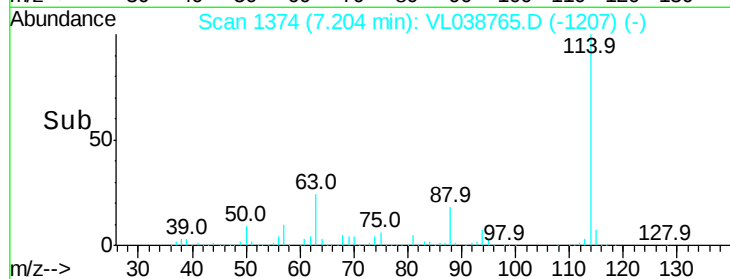
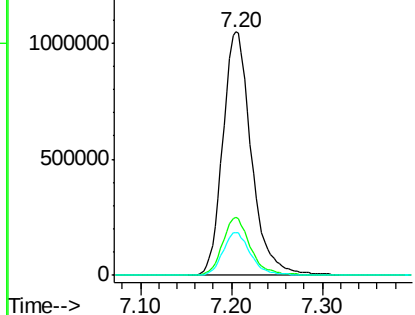


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.20
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

Tgt Ion: 114 Resp: 2287614
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.4 29.0
 88 17.2 13.9 20.9

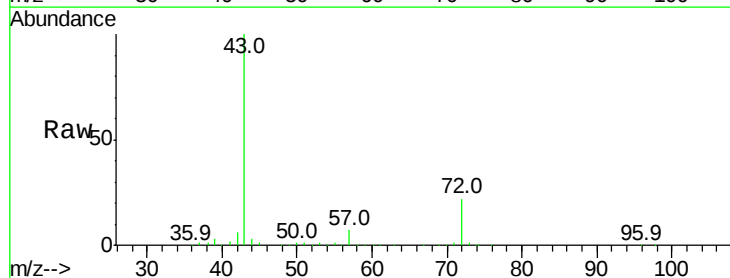


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

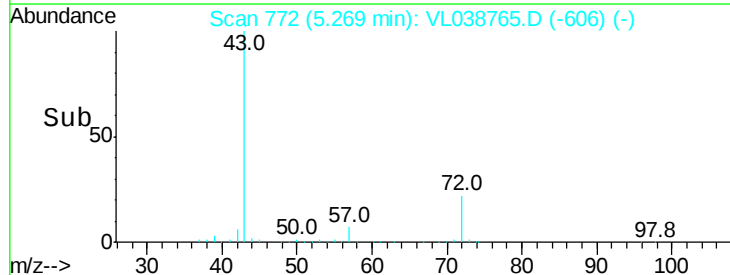
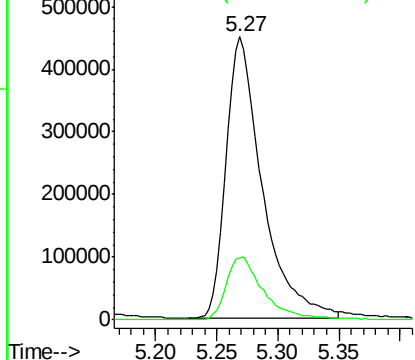


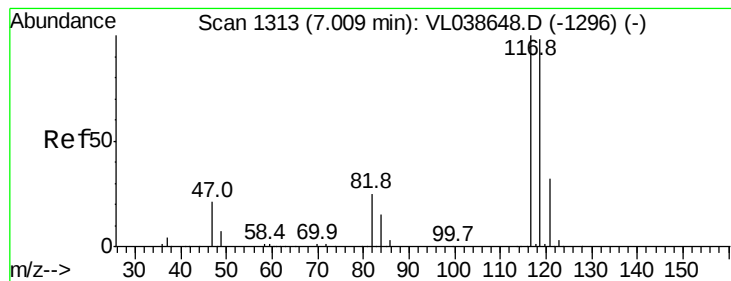
#34
 2-Butanone
 Concen: 10.35 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T.: 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 936866
 Ion Ratio Lower Upper
 43 100
 72 23.6 17.8 26.8



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





#35

Carbon Tetrachloride

Concen: 9.65 ppbv

RT: 7.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

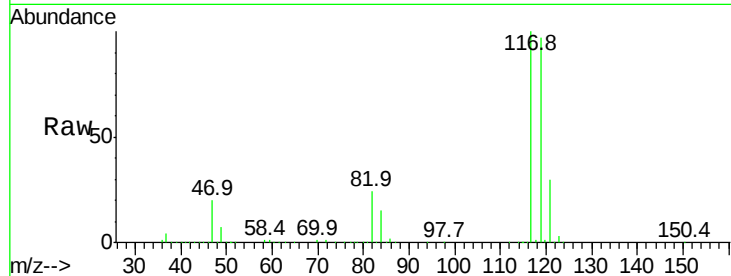
Tgt Ion:117 Resp: 1280684

Ion Ratio Lower Upper

117 100

119 96.9 78.1 117.1

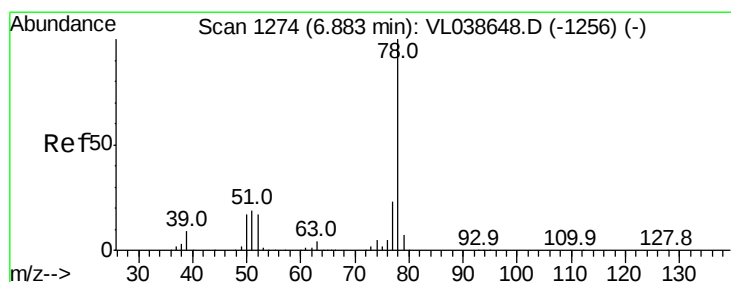
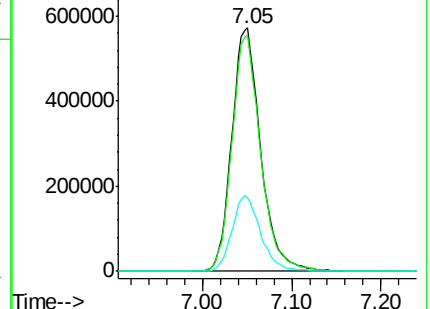
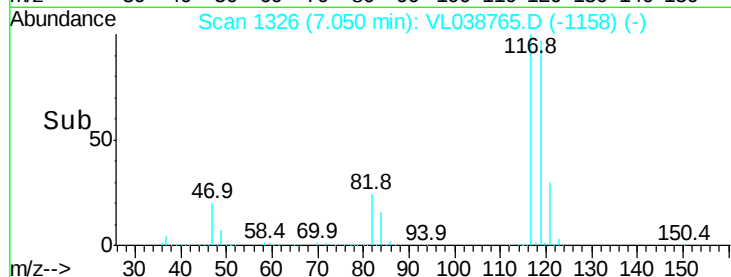
121 30.4 25.8 38.6



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: 8.77 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

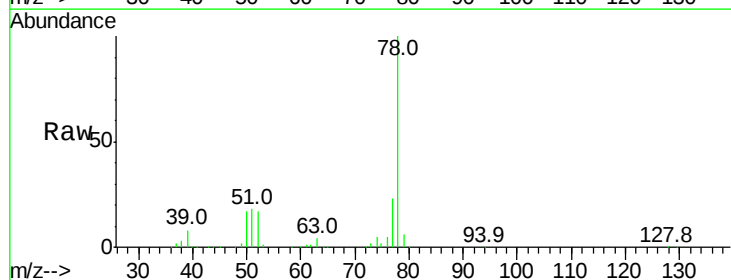
Tgt Ion: 78 Resp: 1547525

Ion Ratio Lower Upper

78 100

77 23.2 18.1 27.1

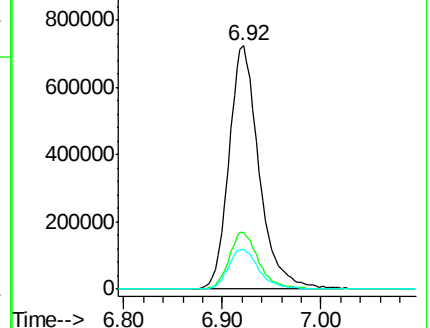
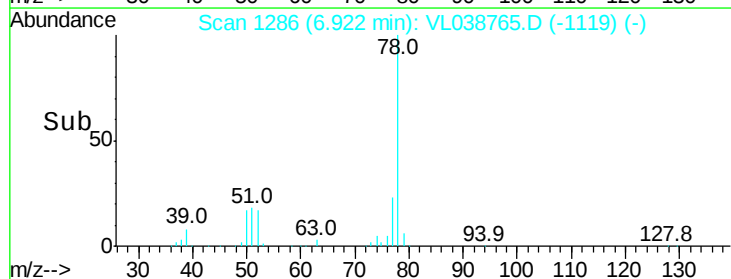
50 16.6 13.6 20.4

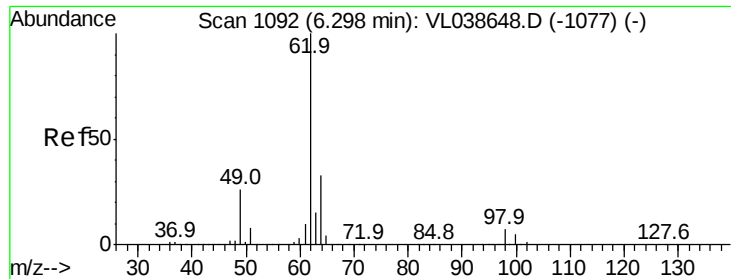


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

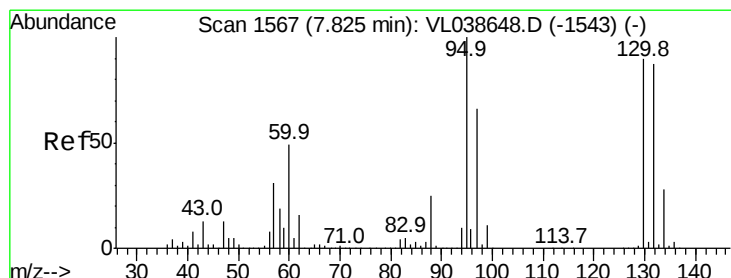
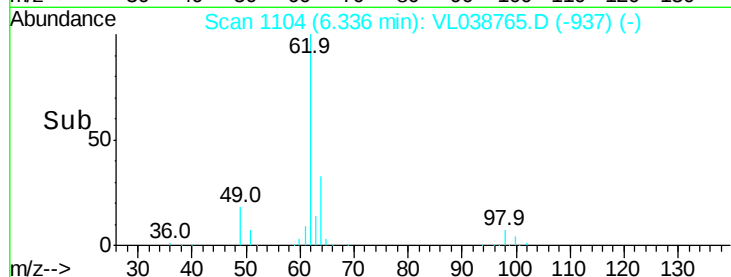
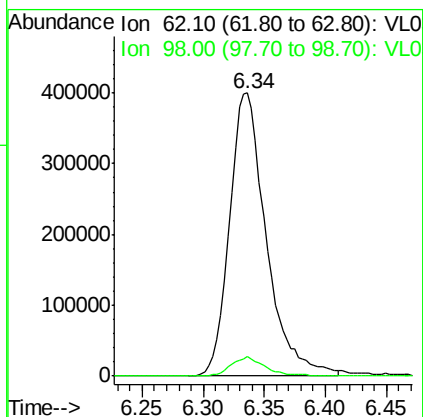
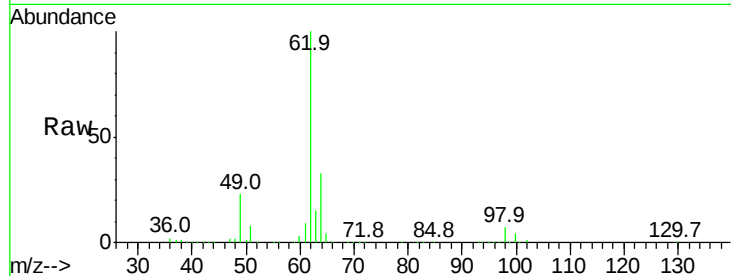
Ion 50.10 (49.80 to 50.80): VL0





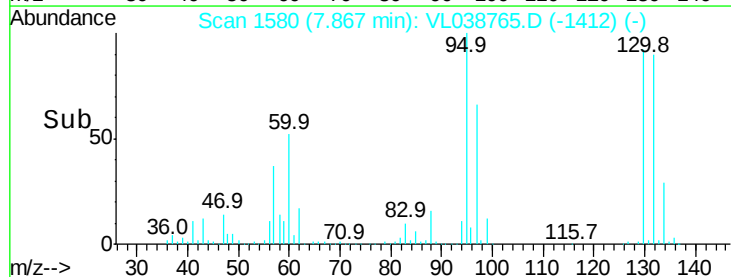
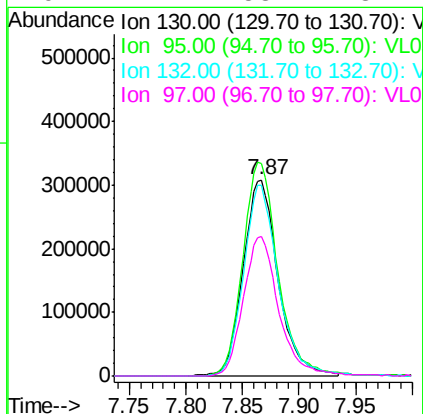
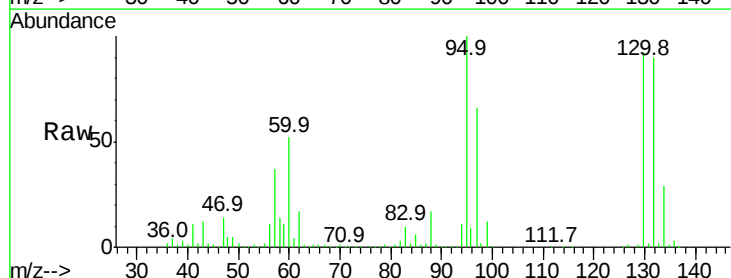
#37
 1,2-Dichloroethane
 Concen: 9.34 ppbv
 RT: 6.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

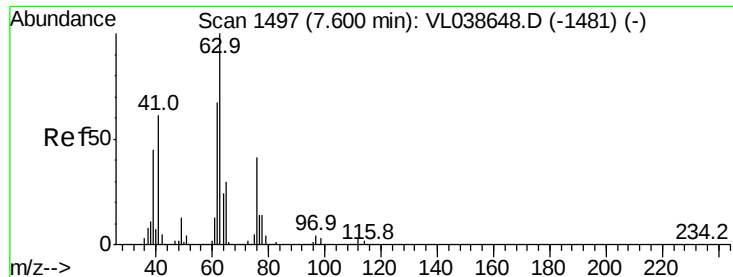
Tgt Ion: 62 Resp: 839041
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.6 8.4



#38
 Trichloroethene
 Concen: 8.92 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

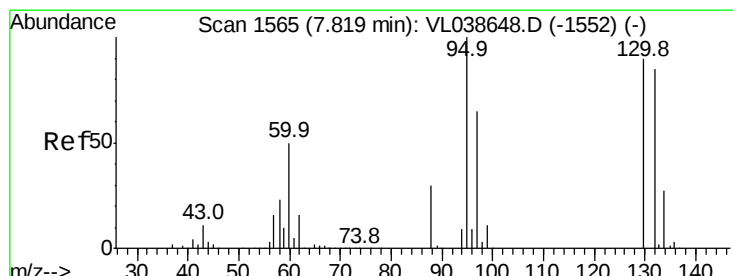
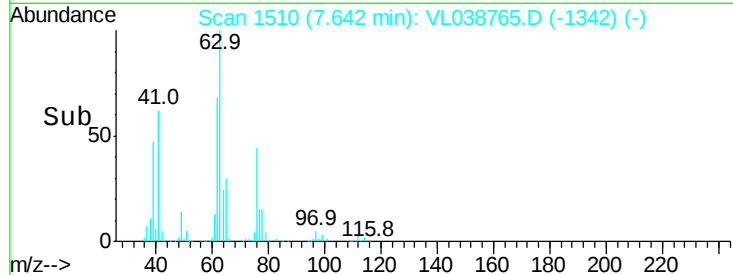
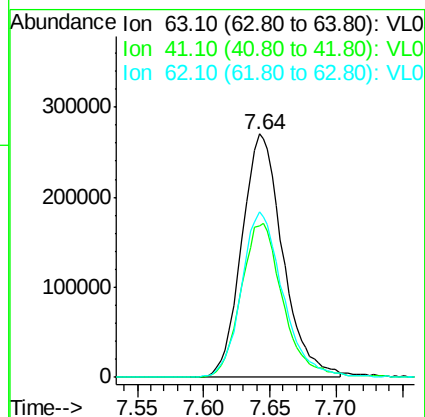
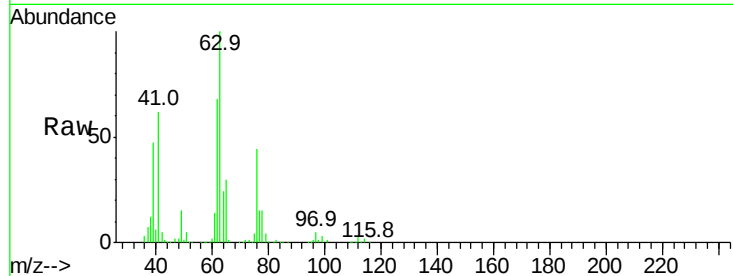
Tgt Ion:130 Resp: 659825
 Ion Ratio Lower Upper
 130 100
 95 109.8 88.9 133.3
 132 98.8 77.4 116.0
 97 72.1 58.2 87.4





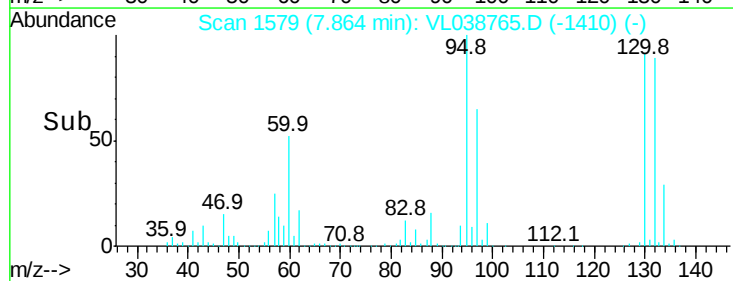
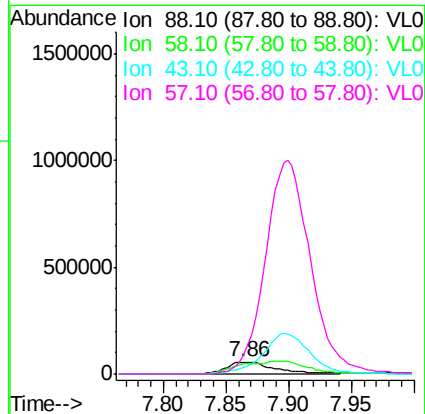
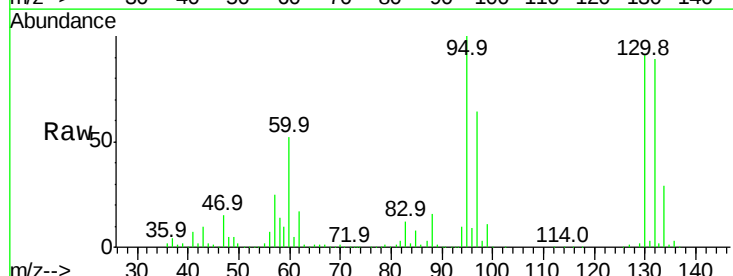
#39
 1,2-Dichloropropane
 Concen: 8.44 ppbv
 RT: 7.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2022 14:19

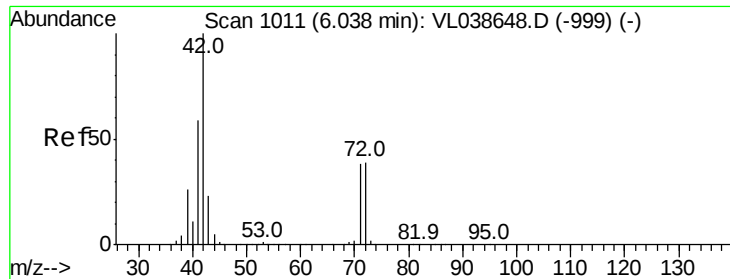
Tgt Ion:	63	Resp:	582709
Ion	Ratio	Lower	Upper
63	100		
41	62.2	49.0	73.6
62	68.2	53.9	80.9



#40
 1,4-Dioxane
 Concen: 6.31 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion:	88	Resp:	151131
Ion	Ratio	Lower	Upper
88	100		
58	156.0	105.6	158.4
43	336.4	201.9	302.9#
57	1667.5	942.1	1413.1#





#41

Tetrahydrofuran

Concen: 8.45 ppbv

RT: 6.08 Instrument: MSVOA_L

Delta R.T. 0.04 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 25 Mar 2022 14:19

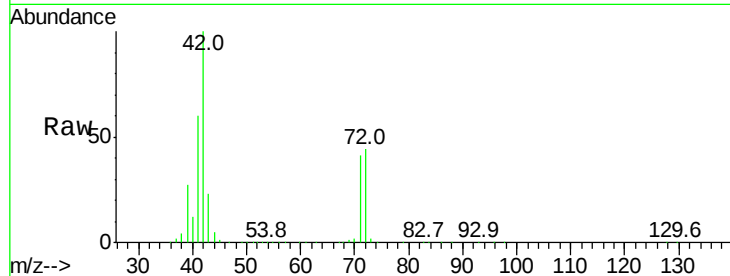
Tgt Ion: 42 Resp: 569525

Ion Ratio Lower Upper

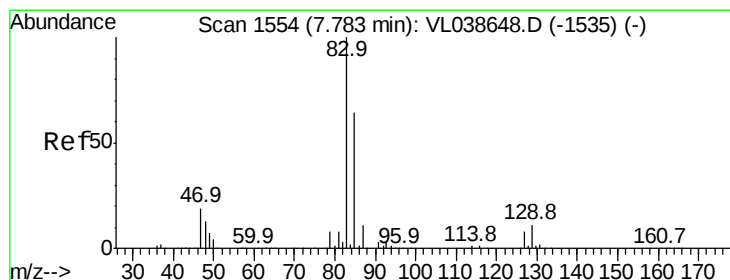
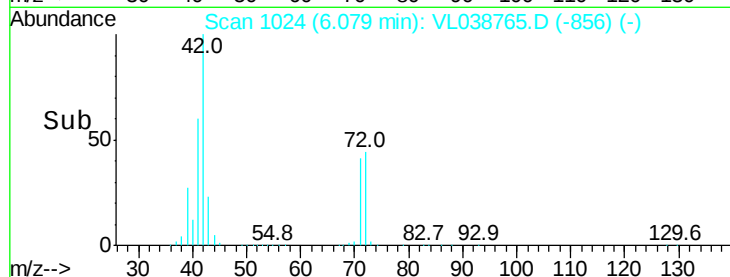
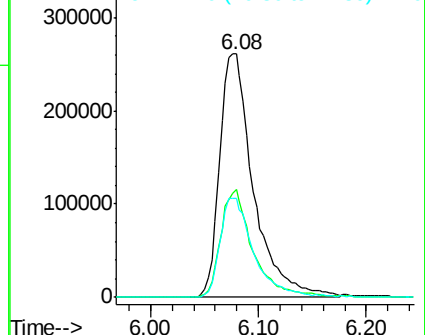
42 100

72 42.5 32.5 48.7

71 41.1 31.4 47.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.49 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

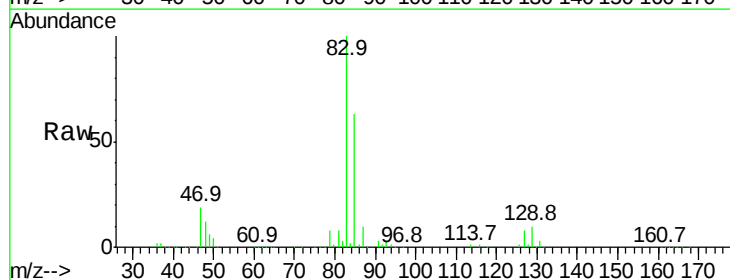
Tgt Ion: 83 Resp: 1278396

Ion Ratio Lower Upper

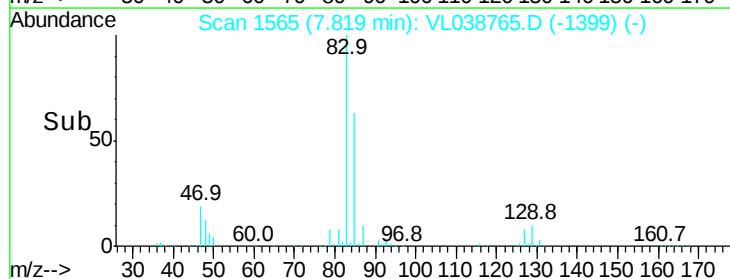
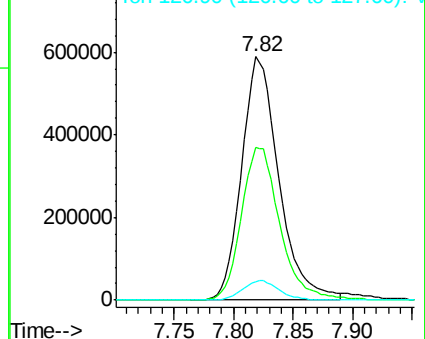
83 100

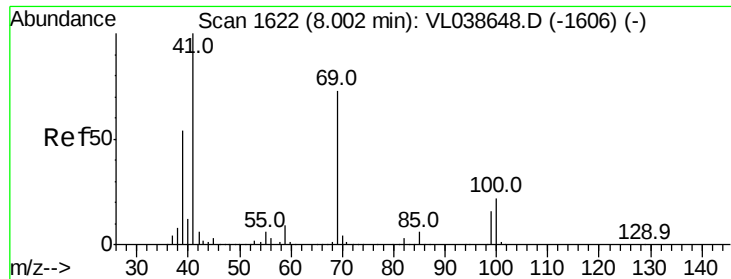
85 62.9 51.1 76.7

127 7.8 6.5 9.7



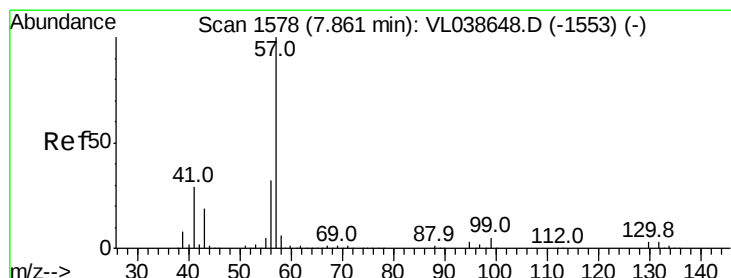
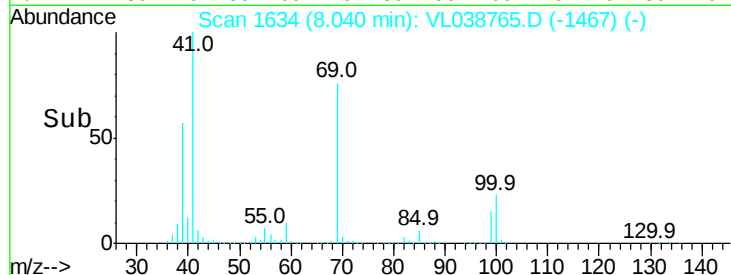
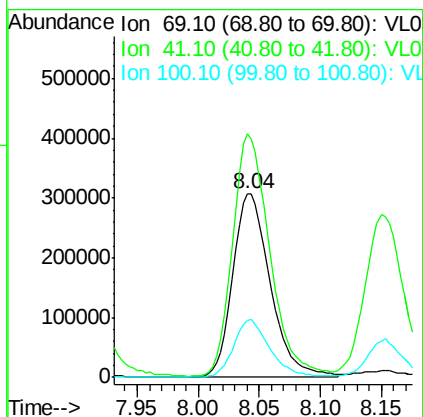
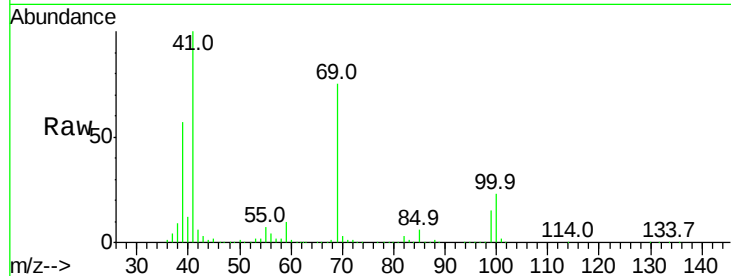
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





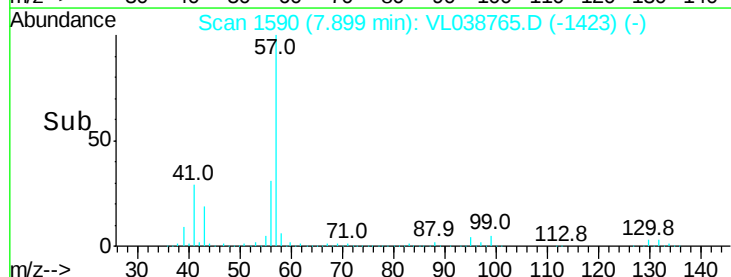
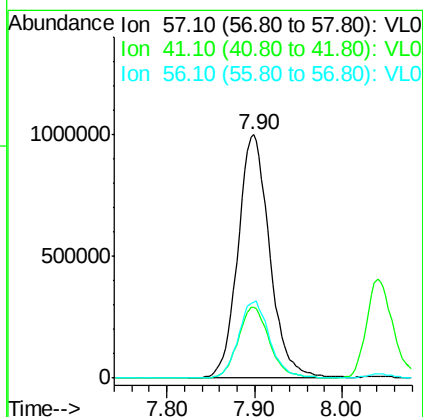
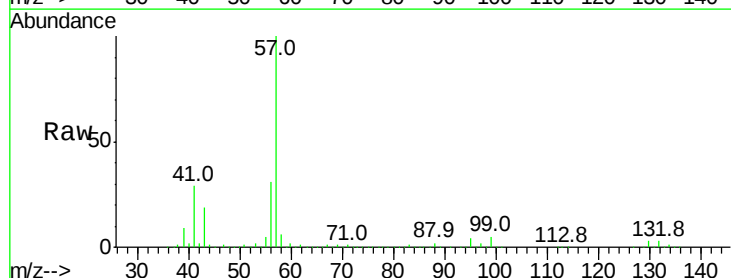
#43
Methyl Methacrylate
Concen: 10.04 ppbv
RT: 8.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 25 Mar 2022 14:19

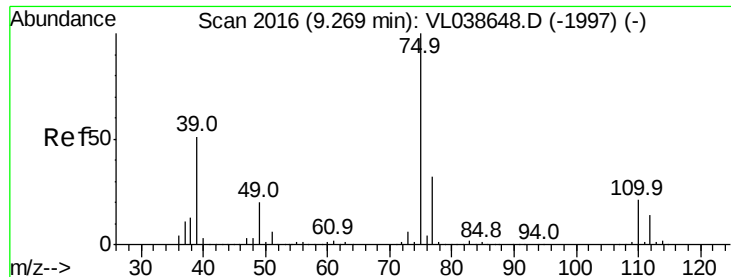
Tgt Ion: 69 Resp: 657944
Ion Ratio Lower Upper
69 100
41 132.0 110.3 165.5
100 30.3 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 8.49 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. 0.04 min
Lab File: VL038765.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 57 Resp: 2515383
Ion Ratio Lower Upper
57 100
41 28.8 23.0 34.4
56 31.2 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.78 ppbv

RT: 9.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

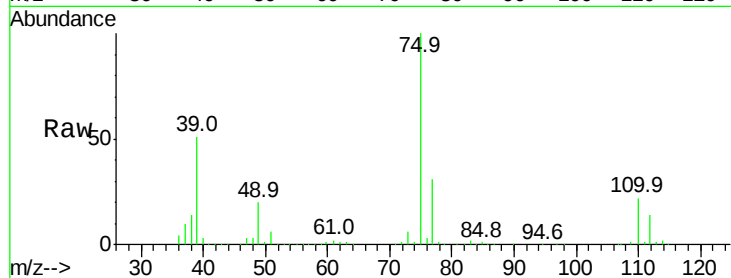
Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion: 75 Resp: 718661

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

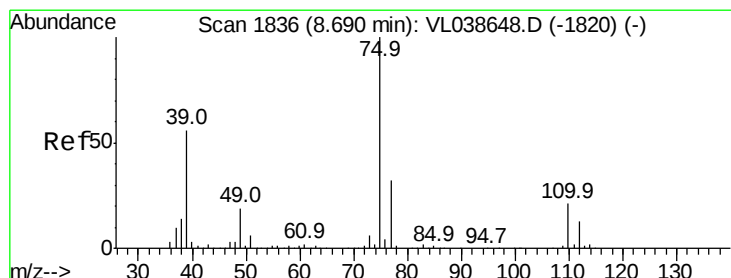
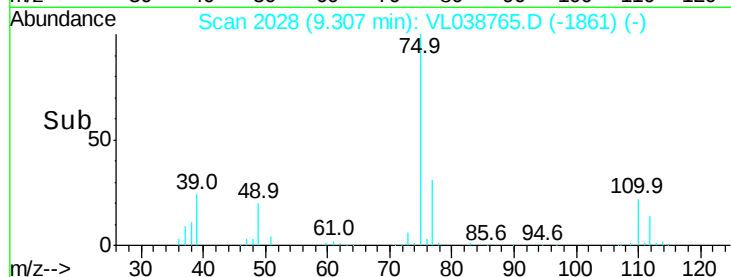
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#46

cis-1,3-Dichloropropene

Concen: 9.98 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

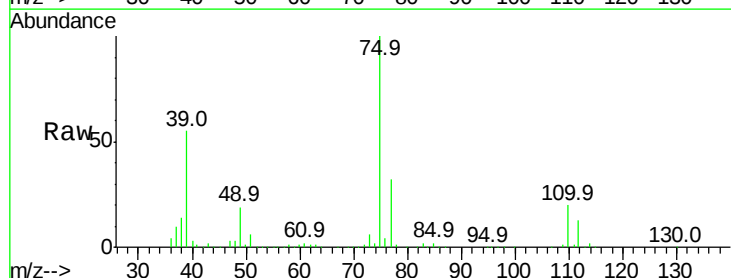
Tgt Ion: 75 Resp: 899795

Ion Ratio Lower Upper

75 100

39 54.9 44.8 67.2

77 32.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

600000

500000

400000

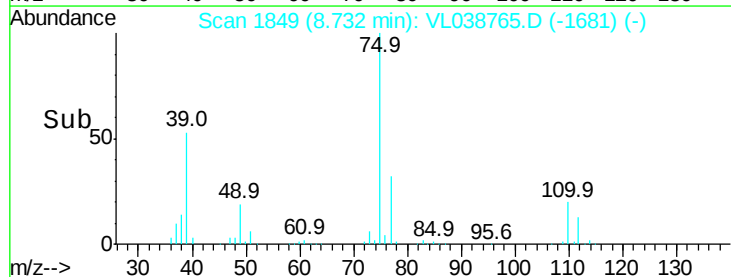
300000

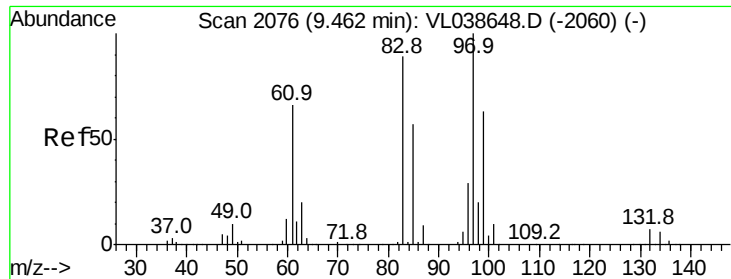
200000

100000

0

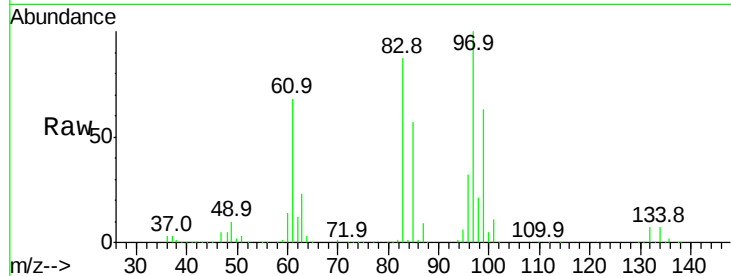
Time--> 8.65 8.70 8.75 8.80



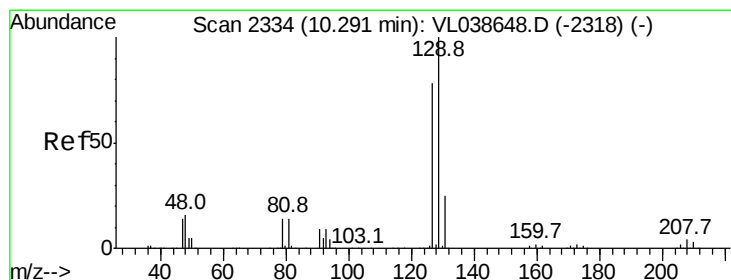
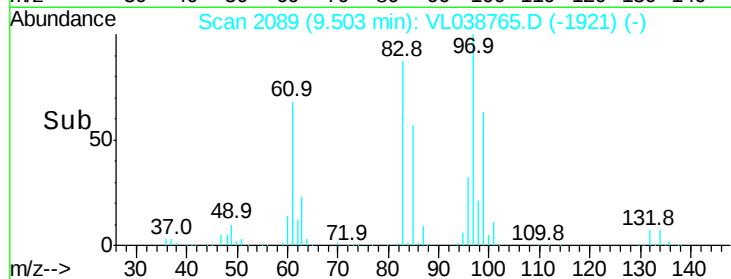
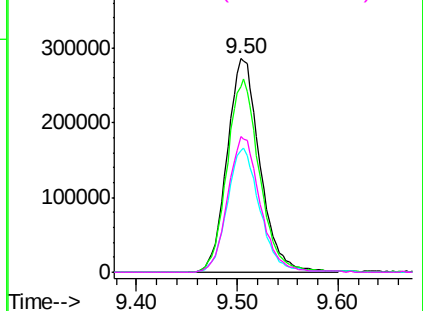


#47
 1,1,2-Trichloroethane
 Concen: 8.79 ppbv
 RT: 9.50 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

Tgt Ion:	97	Resp:	647875
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.2	106.8
85	56.9	45.3	67.9
99	63.5	50.6	76.0

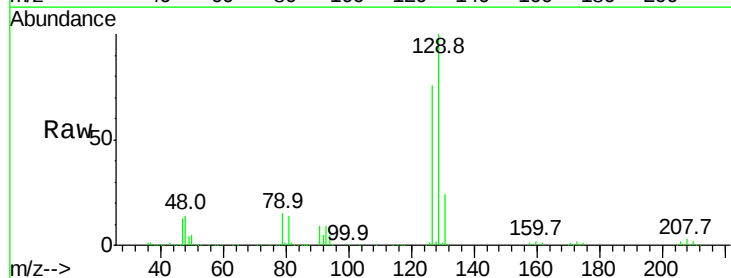


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

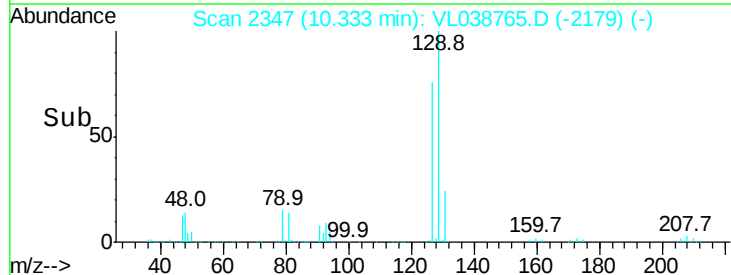
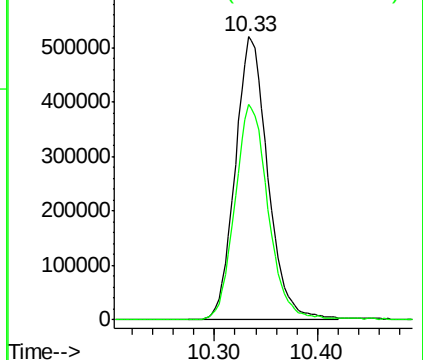


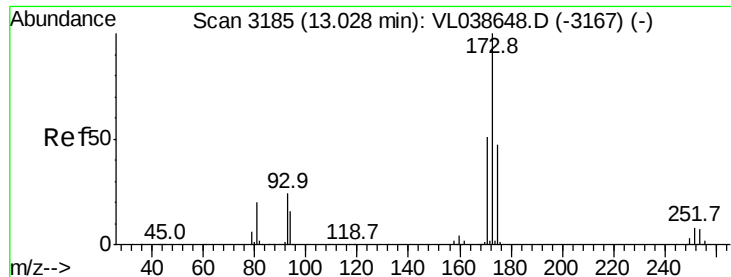
#48
 Dibromochloromethane
 Concen: 9.95 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion:	129	Resp:	1147948
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.15 ppbv

RT: 13.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2022 14:19

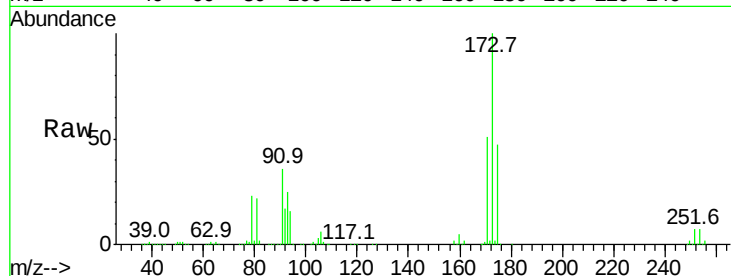
Tgt Ion: 173 Resp: 954702

Ion Ratio Lower Upper

173 100

175 51.3 41.0 61.6

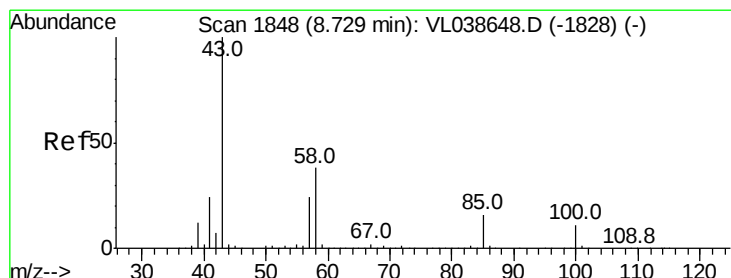
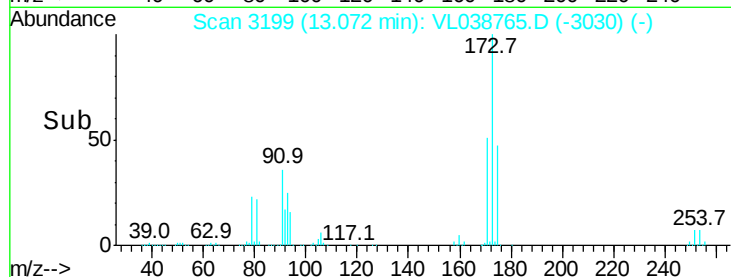
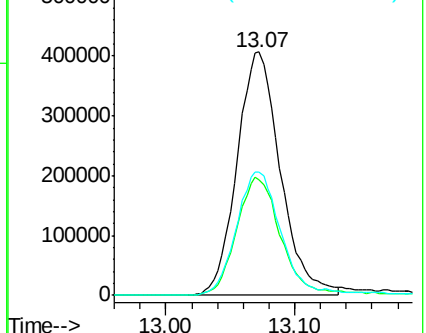
171 54.3 43.1 64.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.67 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.04 min

Lab File: VL038765.D

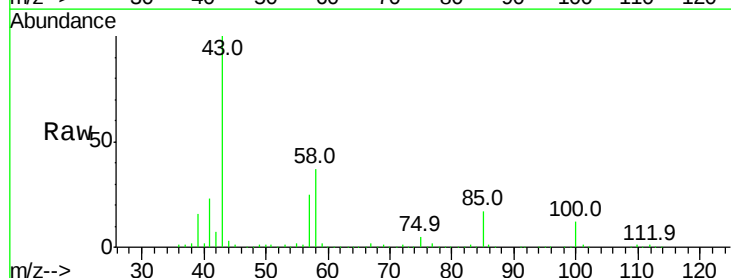
Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 1460264

Ion Ratio Lower Upper

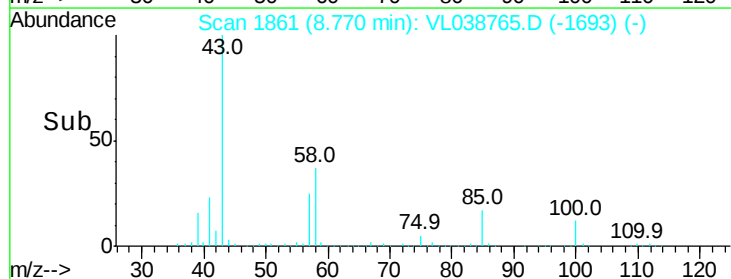
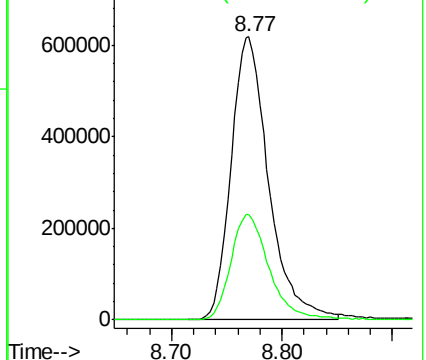
43 100

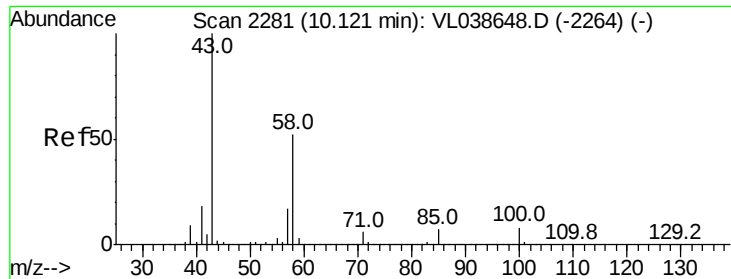
58 38.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.20 ppbv

RT: 10.16

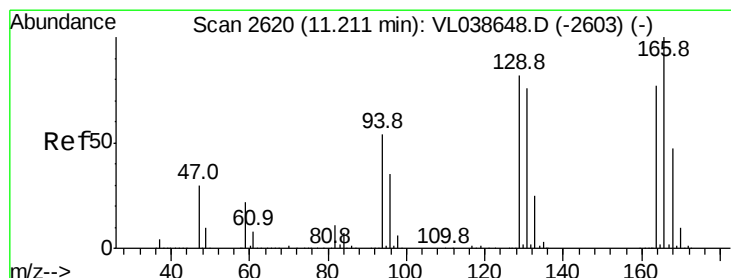
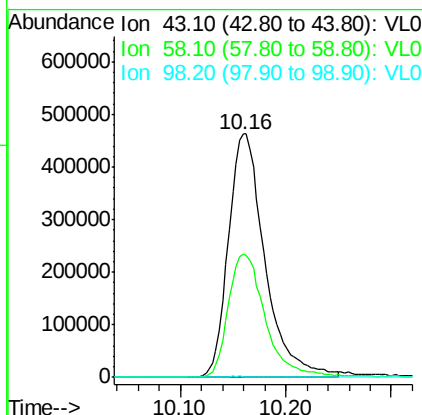
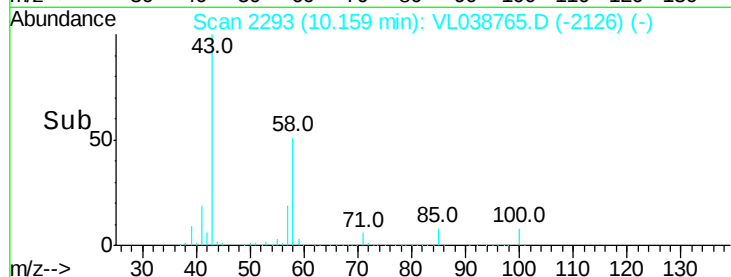
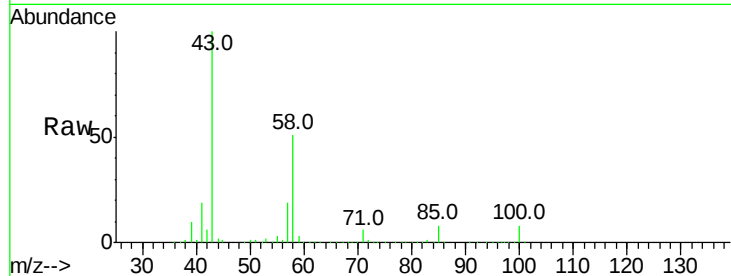
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 1112238

Ion	Ratio	Lower	Upper
43	100		
58	51.8	41.2	61.8
98	0.5	0.2	0.4#



#52

Tetrachloroethene

Concen: 8.73 ppbv

RT: 11.26 min Scan# 2634

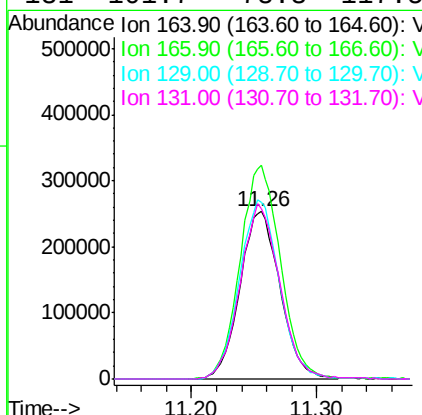
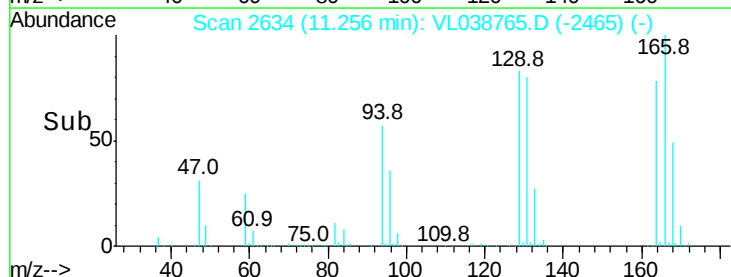
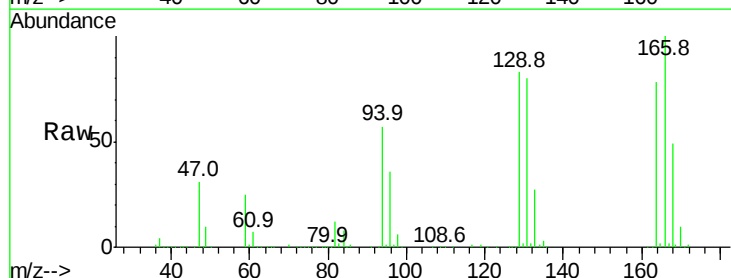
Delta R.T. 0.04 min

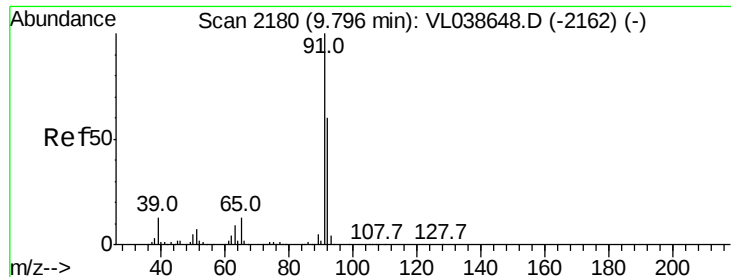
Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion: 164 Resp: 563907

Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.3	154.9
129	106.1	85.2	127.8
131	101.7	78.3	117.5





#53

Toluene

Concen: 9.45 ppbv

RT: 9.84 Instrument: MSVOA_1

Delta R.T. 0.04 min

Lab File: ClientSampleId: VSTDCCC010EC

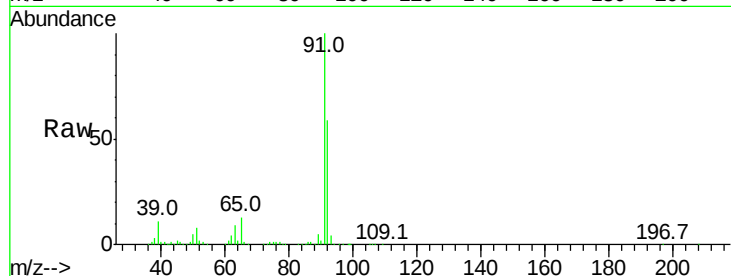
Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 1792777

Ion Ratio Lower Upper

91 100

92 59.5 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.84

800000

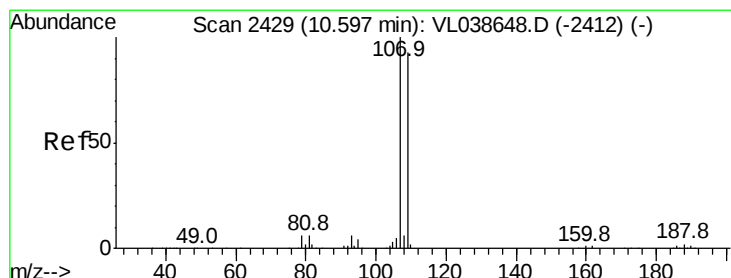
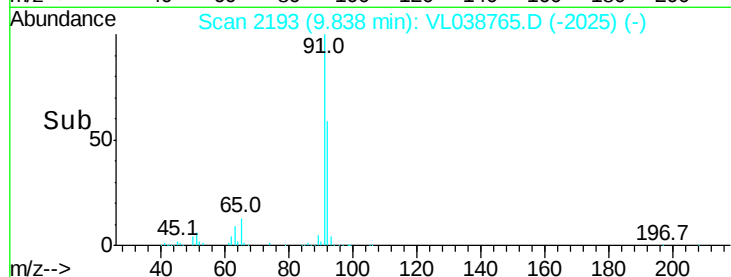
600000

400000

200000

0

Time--> 9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 9.59 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.04 min

Lab File: VL038765.D

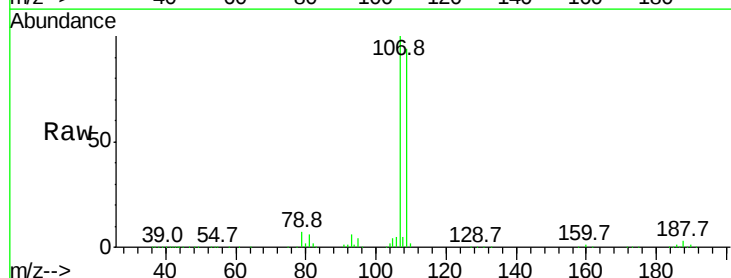
Acq: 25 Mar 2022 14:19

Tgt Ion: 107 Resp: 964490

Ion Ratio Lower Upper

107 100

109 93.8 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.64

500000

400000

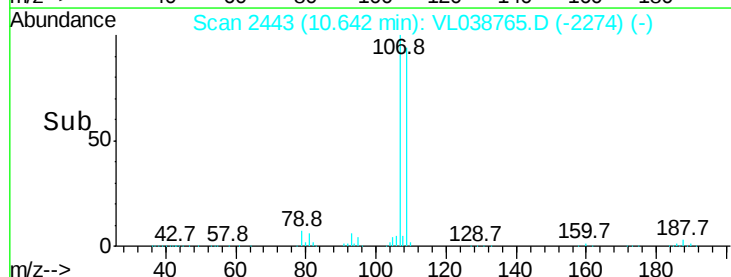
300000

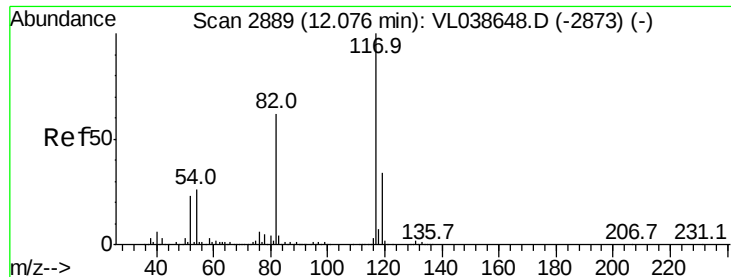
200000

100000

0

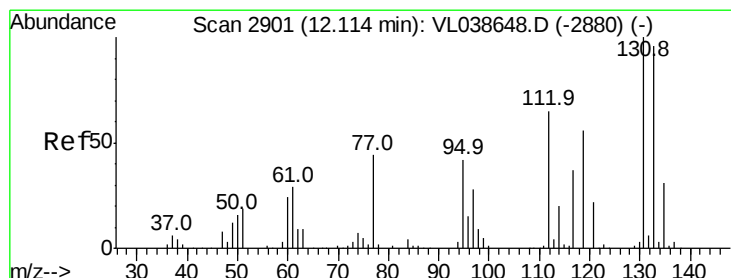
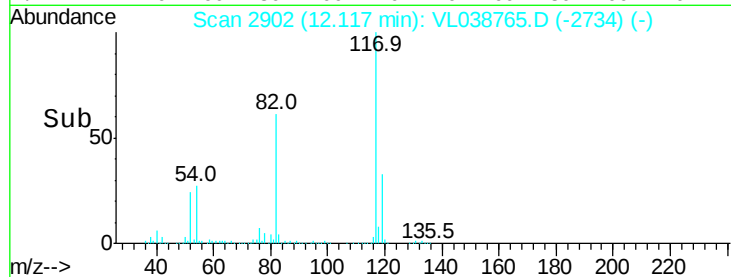
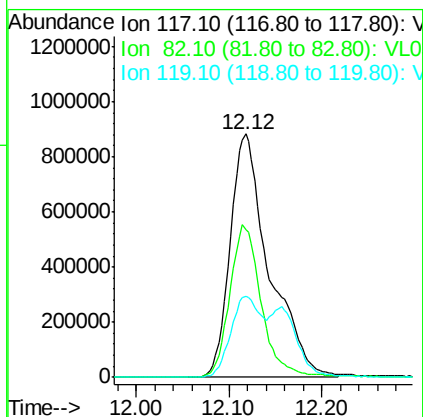
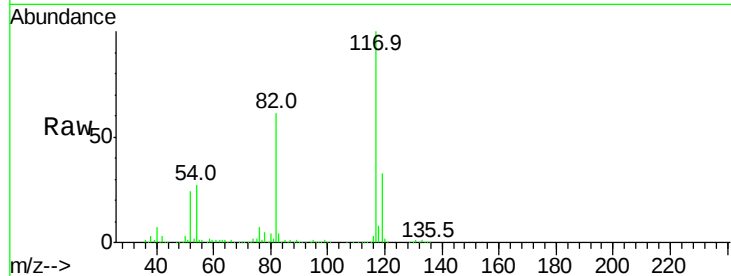
Time--> 10.60 10.70





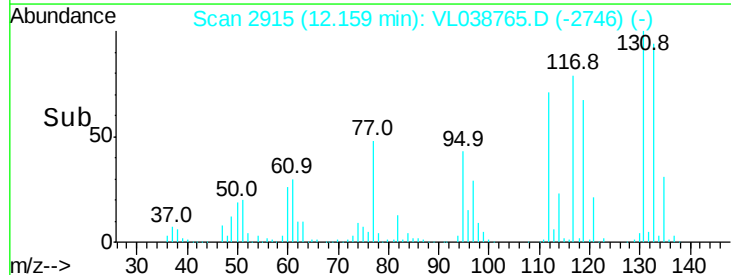
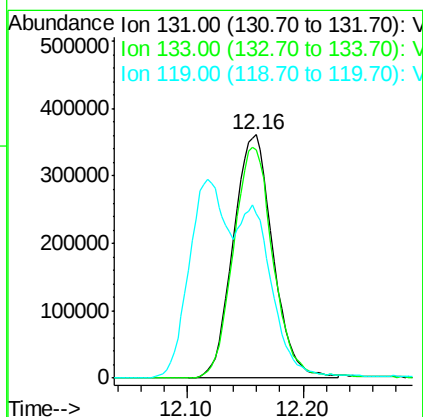
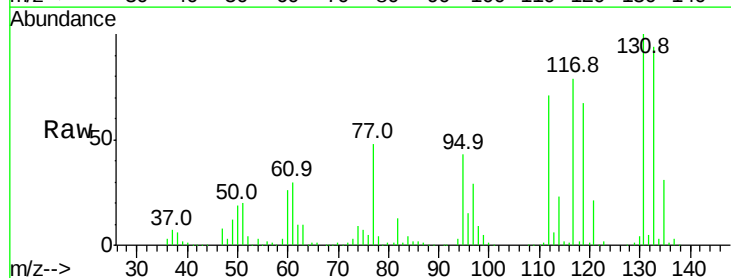
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.12 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

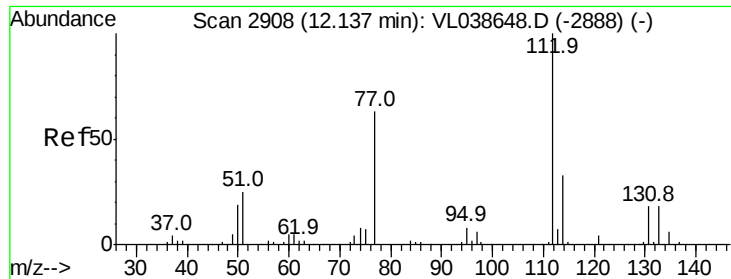
Tgt Ion:117 Resp: 2580354
 Ion Ratio Lower Upper
 117 100
 82 51.4 51.6 77.4#
 119 26.5 26.9 40.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.99 ppbv
 RT: 12.16 min Scan# 2915
 Delta R.T.: 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

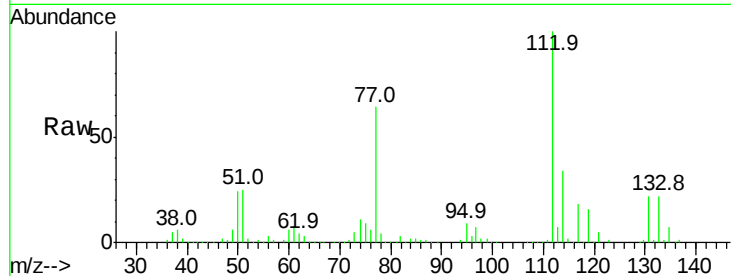
Tgt Ion:131 Resp: 854672
 Ion Ratio Lower Upper
 131 100
 133 96.2 77.3 115.9
 119 68.1 53.0 79.6



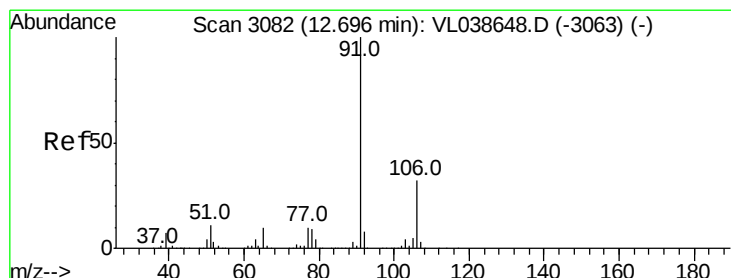
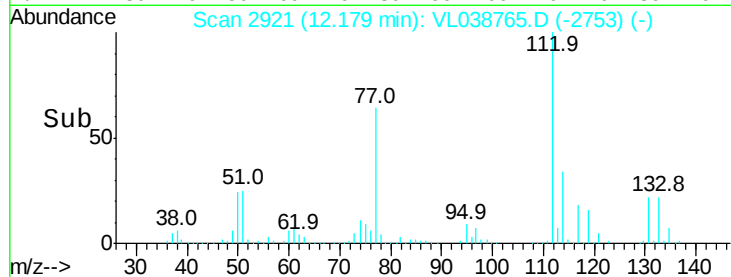
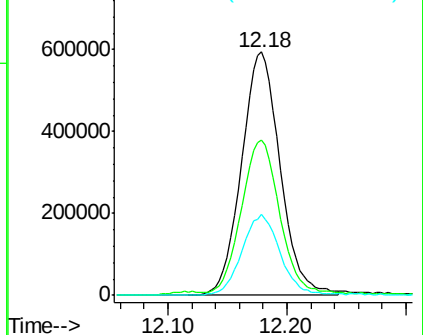


#57
Chlorobenzene
Concen: 7.18 ppbv
RT: 12.18 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 25 Mar 2022 14:19

Tgt Ion: 112 Resp: 1335407
Ion Ratio Lower Upper
112 100
77 62.7 51.0 76.6
114 33.6 29.8 36.4

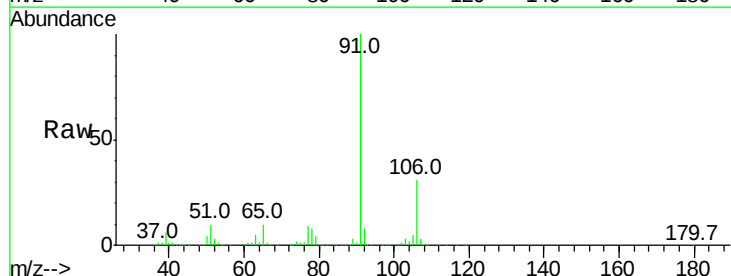


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

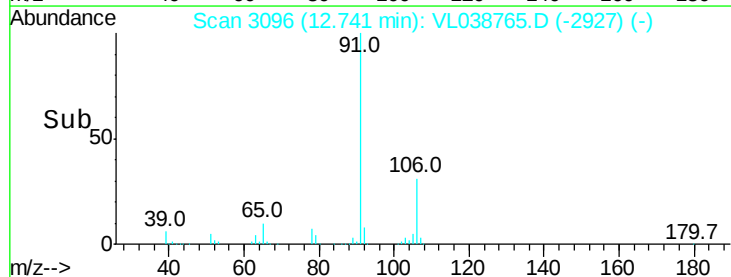
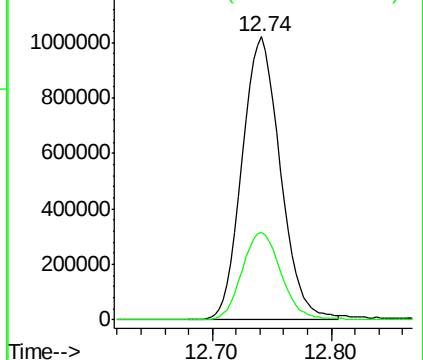


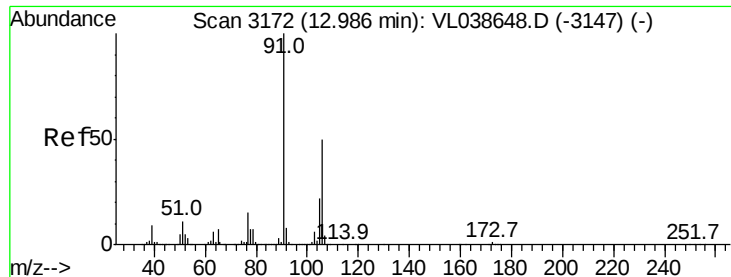
#58
Ethyl Benzene
Concen: 7.56 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.04 min
Lab File: VL038765.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 2279689
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



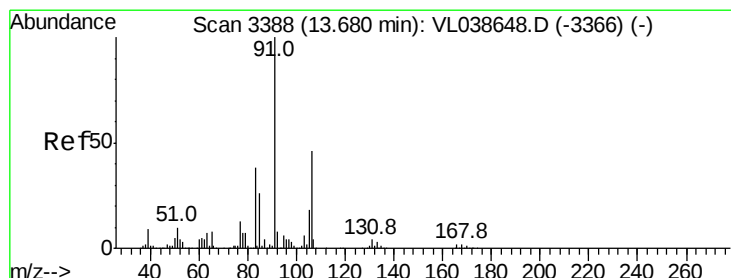
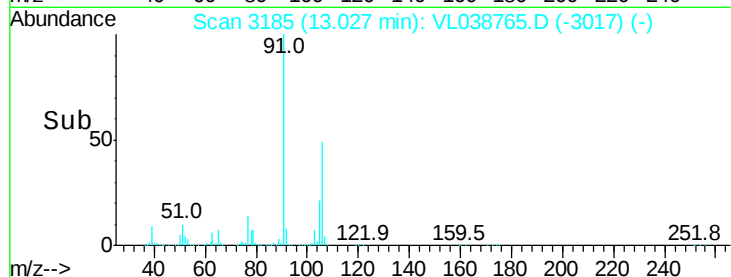
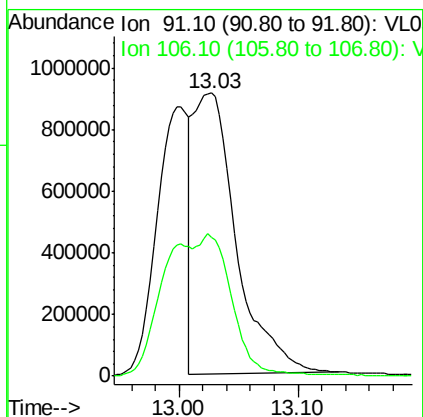
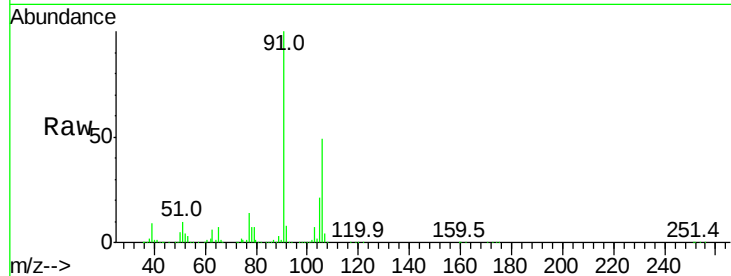
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





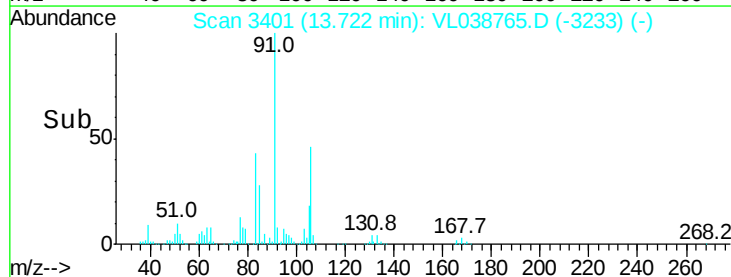
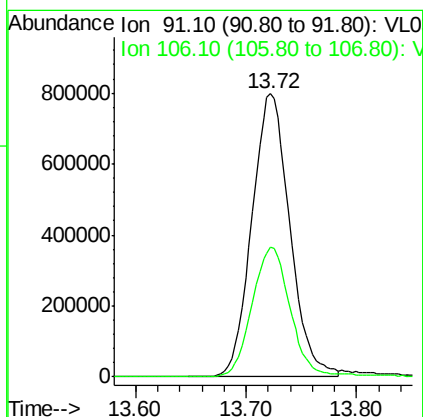
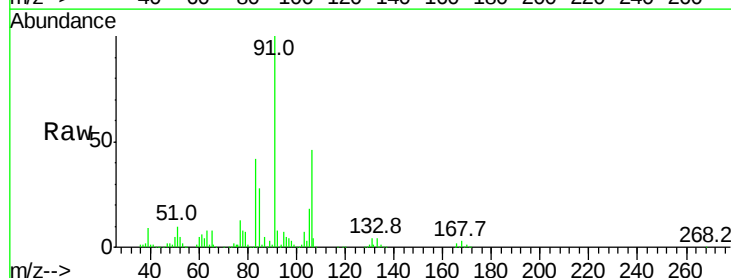
#59
m/p-Xylene
Concen: 8.71 ppbv
RT: 13.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2022 14:19 VSTDCCC010EC

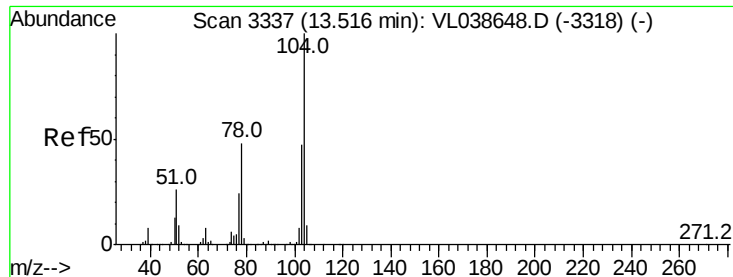
Tgt Ion: 91 Resp: 2299138
Ion Ratio Lower Upper
91 100
106 79.5 37.2 55.8#



#60
o-Xylene
Concen: 7.58 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.04 min
Lab File: VL038765.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 1899653
Ion Ratio Lower Upper
91 100
106 47.3 23.5 70.5





#61

Styrene

Concen: 8.23 ppbv

RT: 13.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

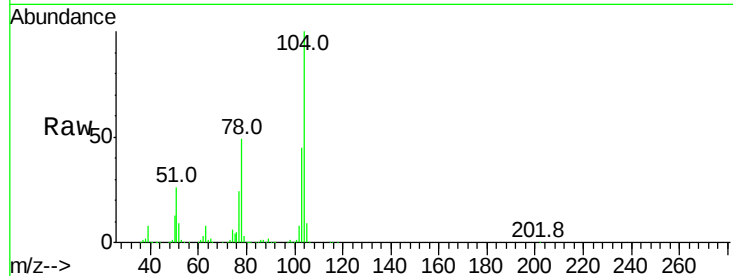
Tgt Ion:104 Resp: 1118193

Ion Ratio Lower Upper

104 100

78 49.7 39.0 58.4

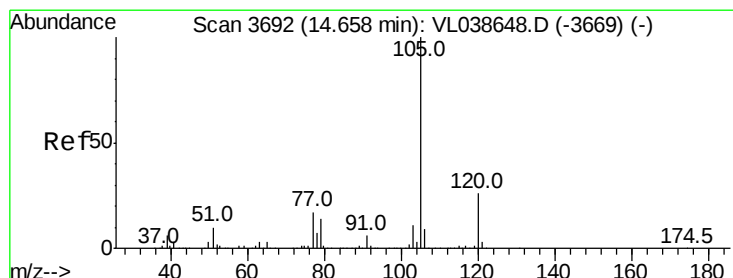
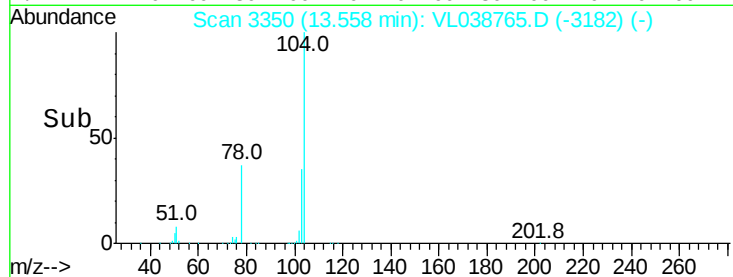
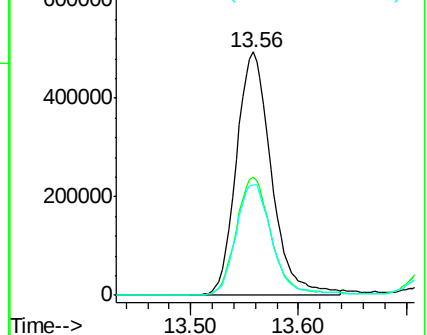
103 47.7 37.8 56.8



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: 7.73 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.04 min

Lab File: VL038765.D

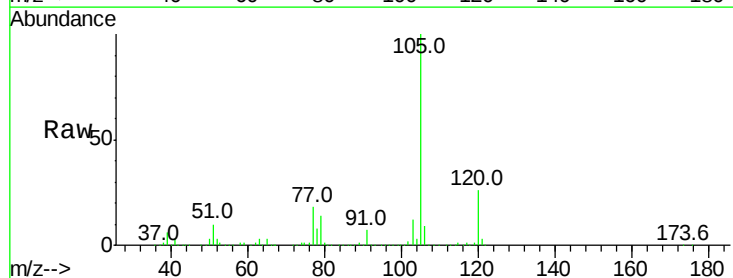
Acq: 25 Mar 2022 14:19

Tgt Ion:105 Resp: 2911627

Ion Ratio Lower Upper

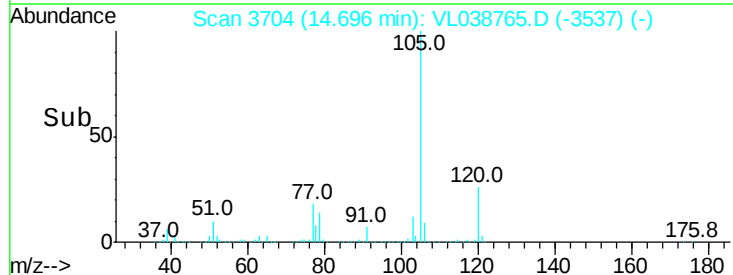
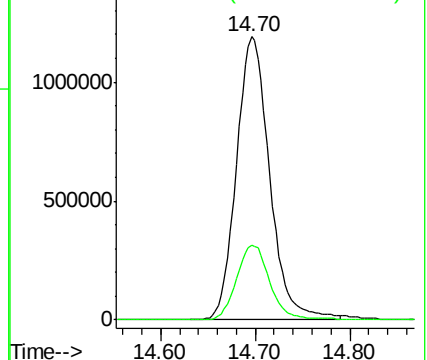
105 100

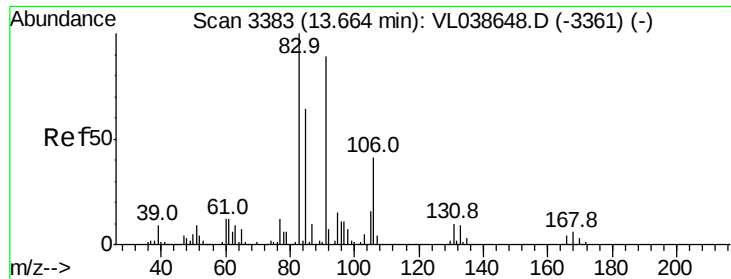
120 26.8 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

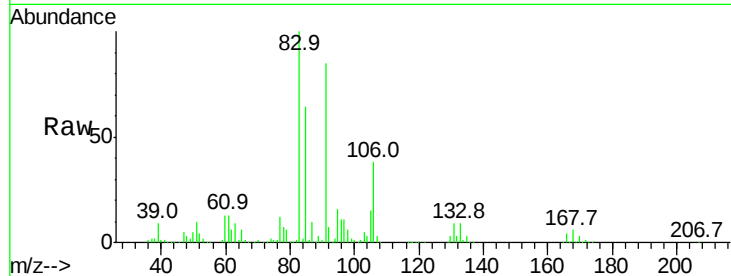




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.79 ppbv
 RT: 13.71 min
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion: 83 Resp: 1318648

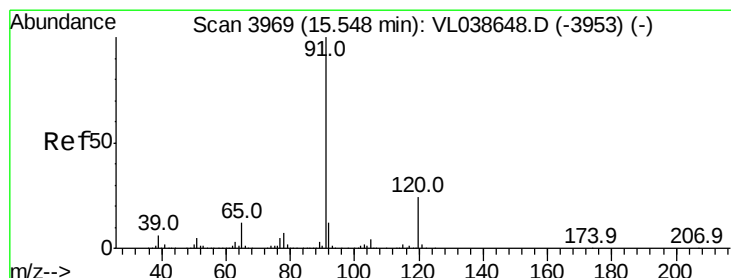
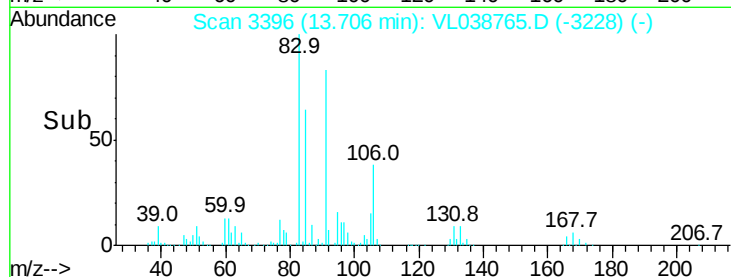
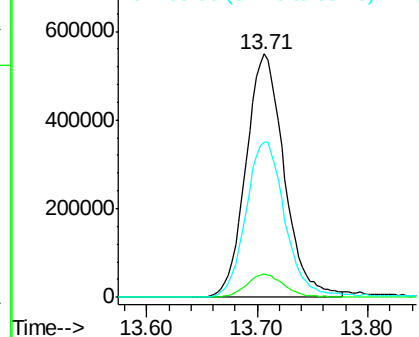
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.3
85	66.8	32.6	97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

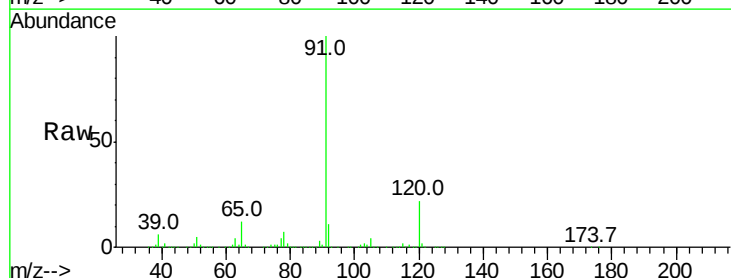
Ion 85.00 (84.70 to 85.70): VL0



#64
 n-propylbenzene
 Concen: 7.79 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

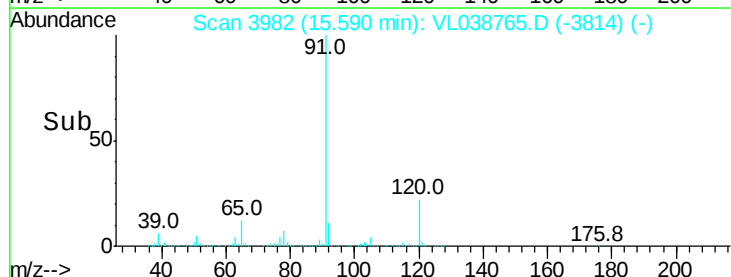
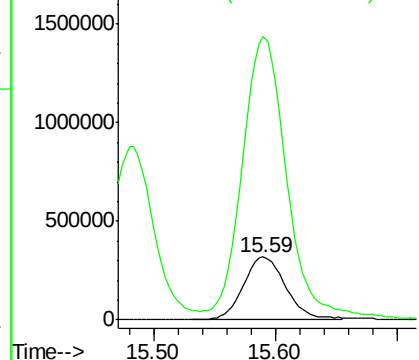
Tgt Ion: 120 Resp: 770048

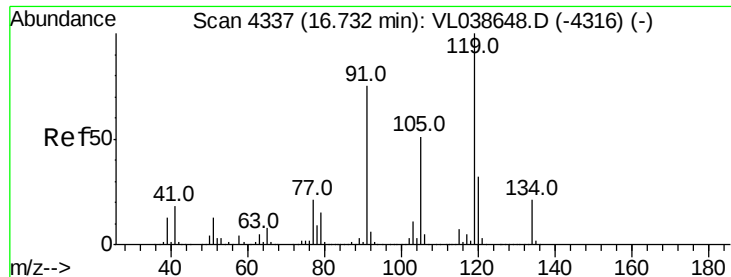
Ion	Ratio	Lower	Upper
120	100		
91	476.1	368.0	552.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

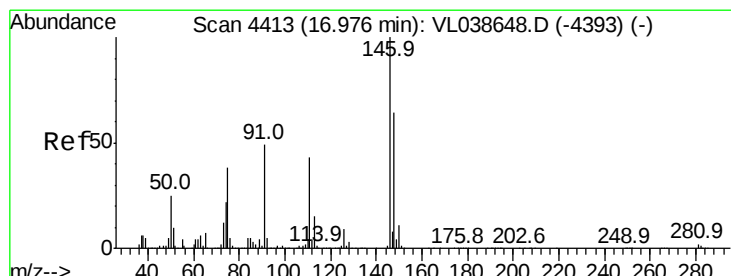
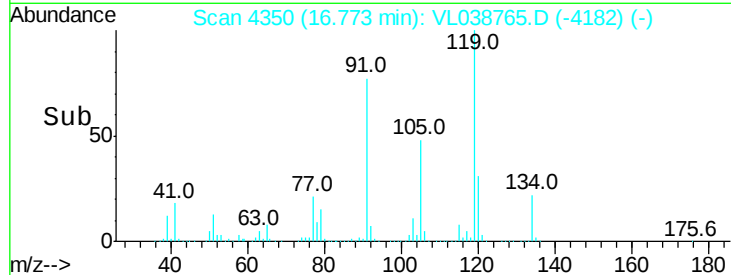
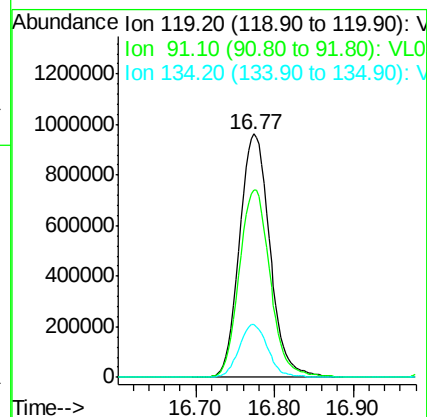
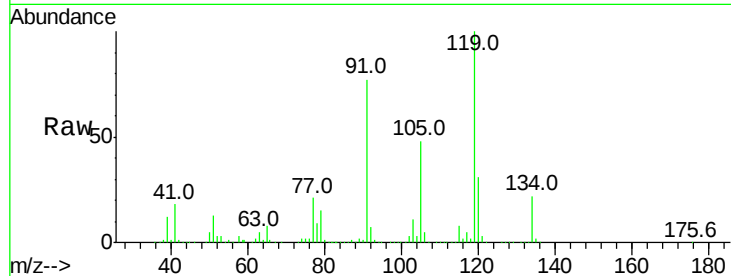
Ion 91.10 (90.80 to 91.80): VL0





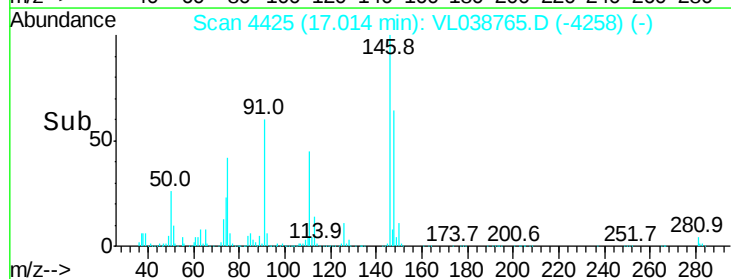
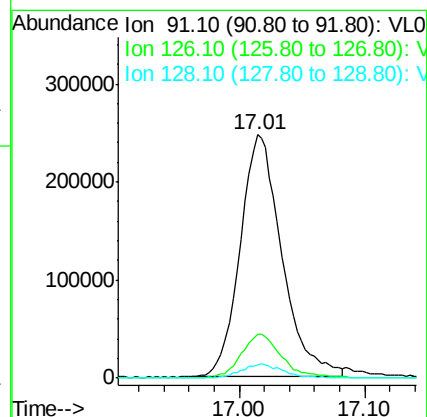
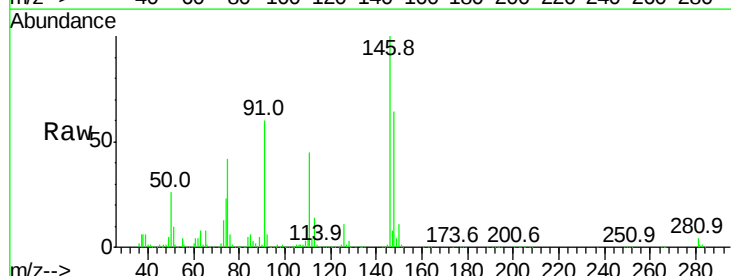
#65
 tert-Butylbenzene
 Concen: 7.69 ppbv
 RT: 16.77 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

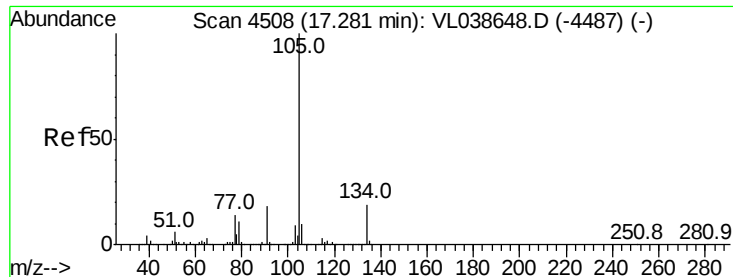
Tgt Ion: 119 Resp: 2602487
 Ion Ratio Lower Upper
 119 100
 91 78.4 61.2 91.8
 134 20.6 16.3 24.5



#66
 Benzyl Chloride
 Concen: 8.91 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T.: 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

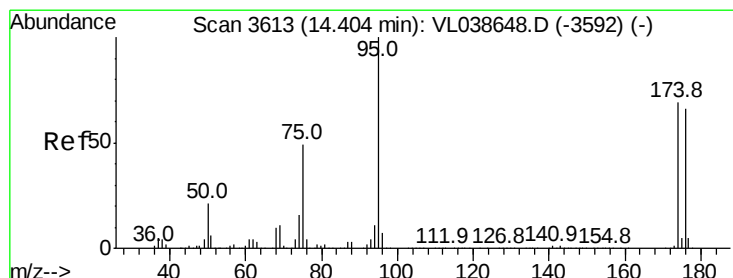
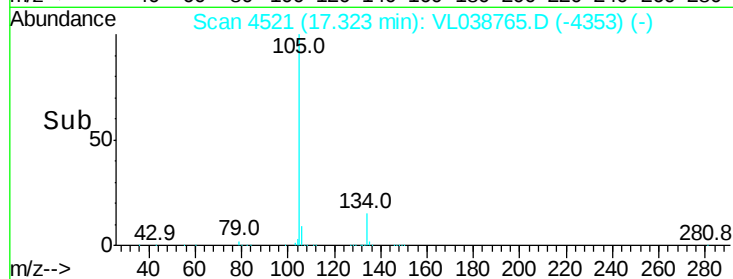
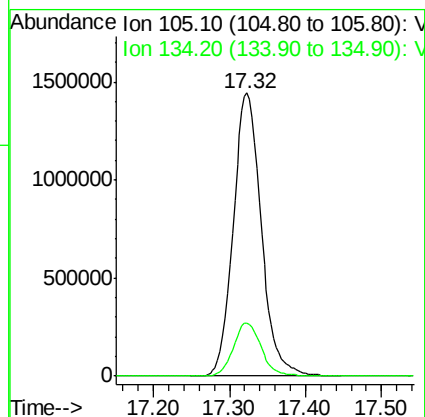
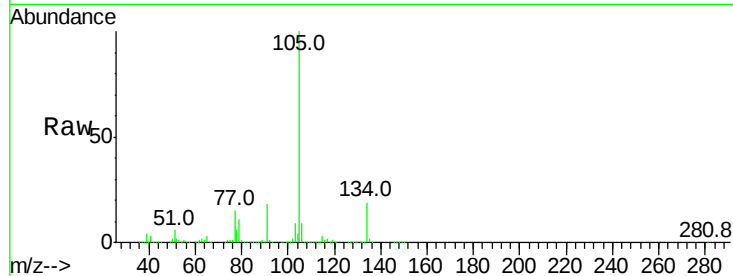
Tgt Ion: 91 Resp: 571088
 Ion Ratio Lower Upper
 91 100
 126 17.9 14.3 21.5
 128 5.8 4.6 6.8





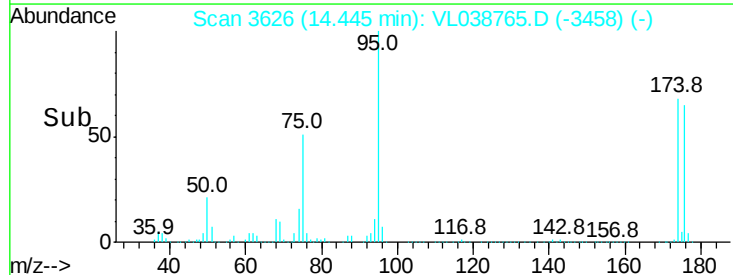
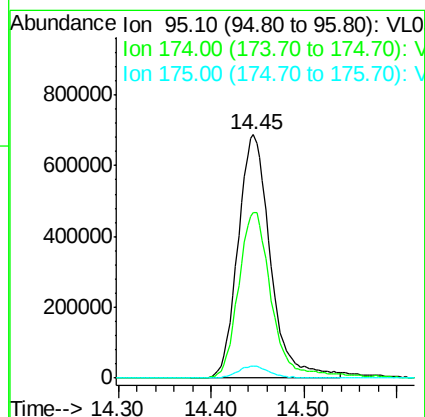
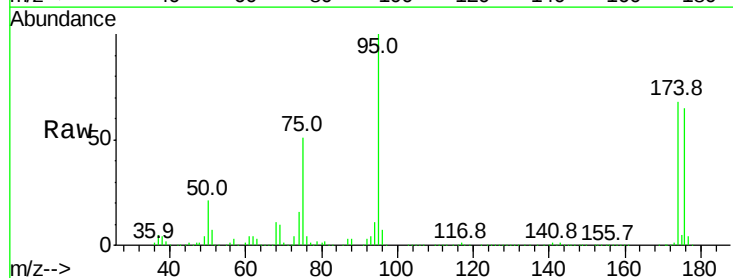
#67
 sec-Butylbenzene
 Concen: 7.63 ppbv
 RT: 17.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

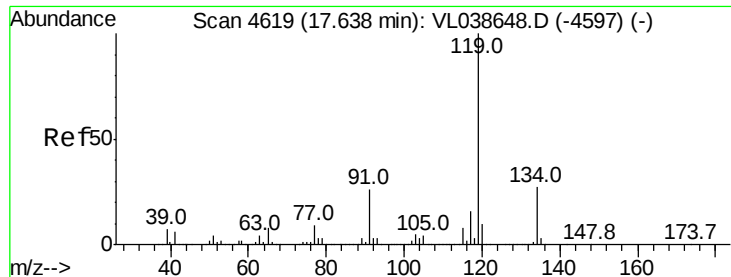
Tgt Ion: 105 Resp: 3691795
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.44 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

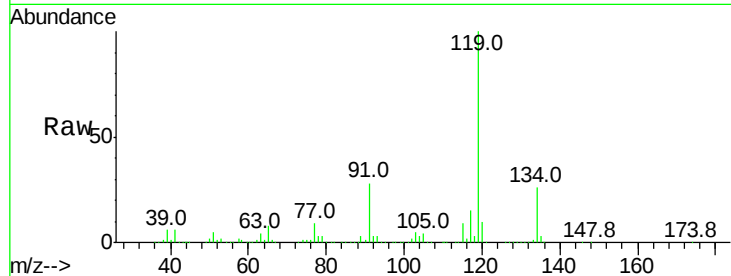
Tgt Ion: 95 Resp: 1670232
 Ion Ratio Lower Upper
 95 100
 174 70.5 56.1 84.1
 175 5.0 4.2 6.2



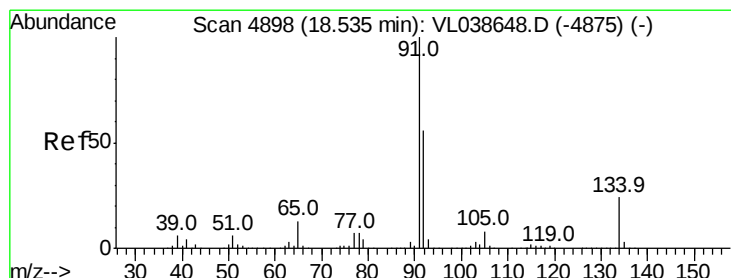
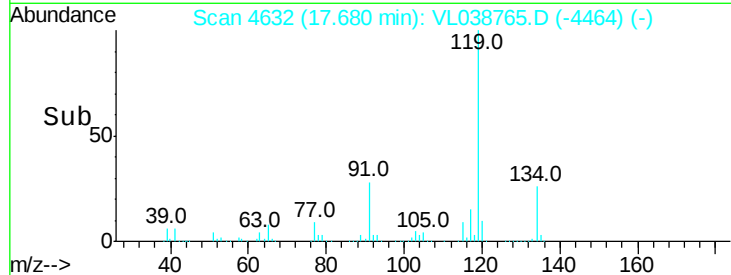
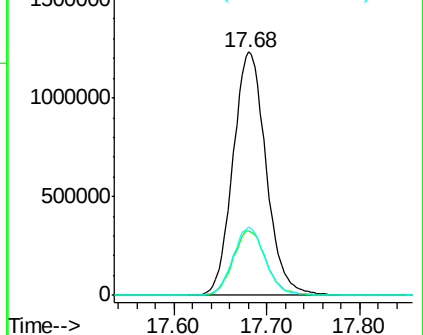


#69
 p-Isopropyltoluene
 Concen: 7.72 ppbv
 RT: 17.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2022 14:19

Tgt Ion: 119 Resp: 3049932
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.2 31.8
 91 27.6 21.4 32.2

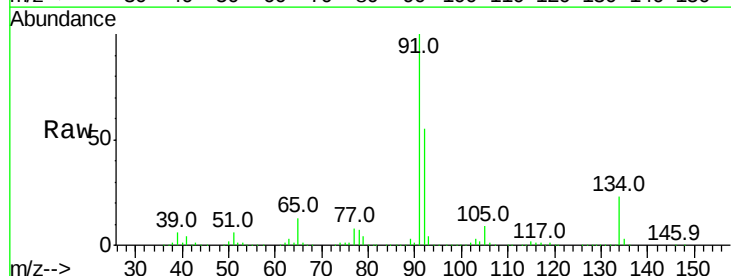


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

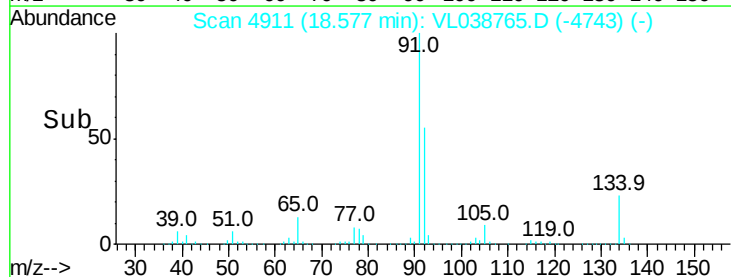
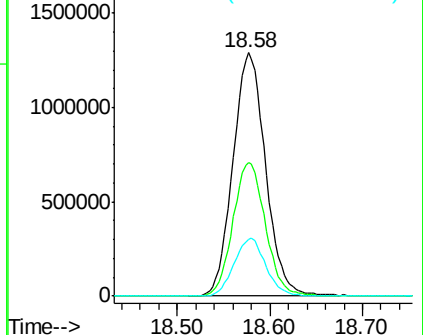


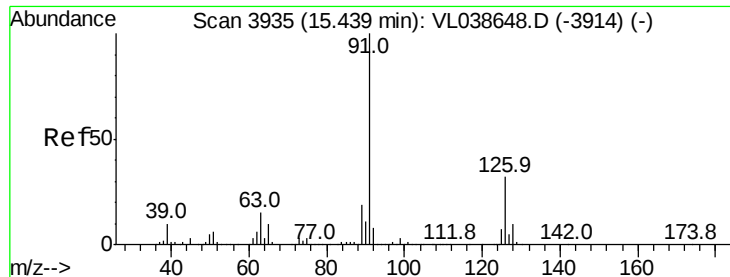
#70
 n-Butylbenzene
 Concen: 7.73 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 3148449
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.9 65.9
 134 23.3 18.7 28.1



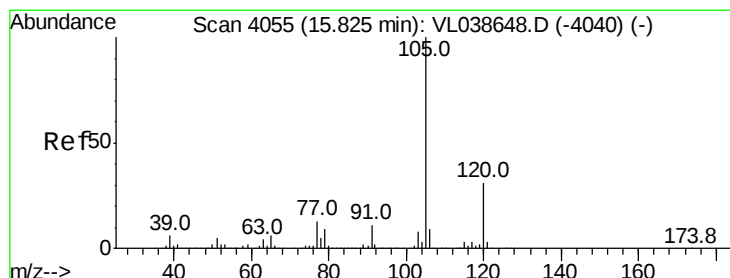
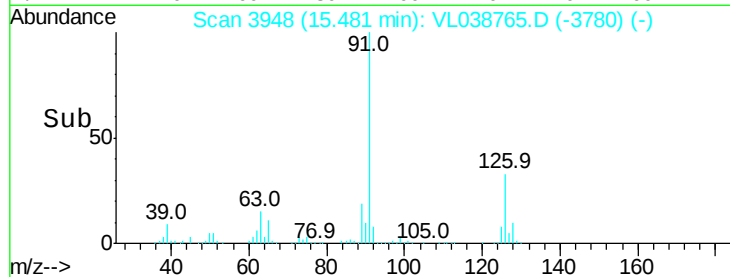
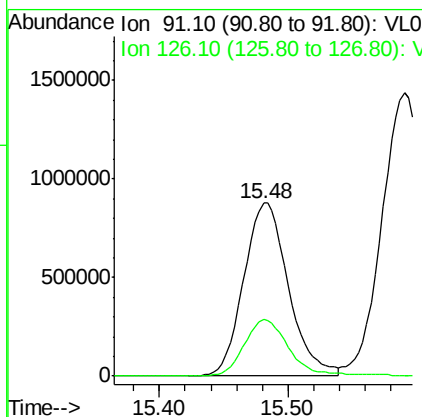
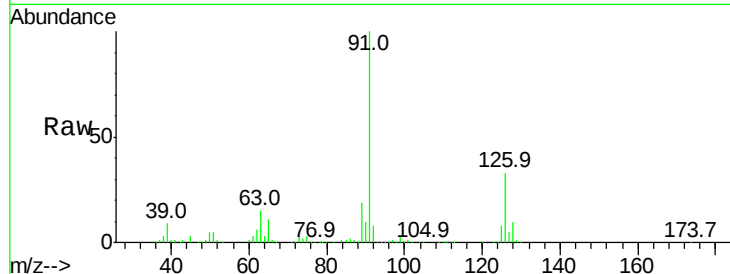
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





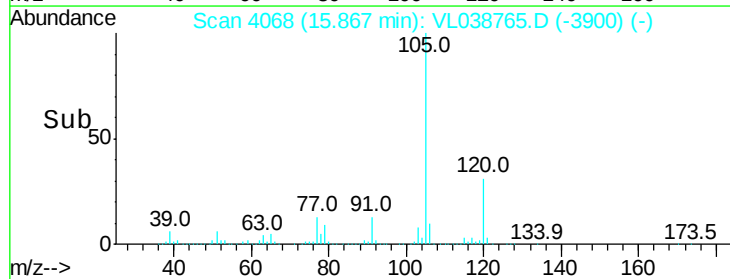
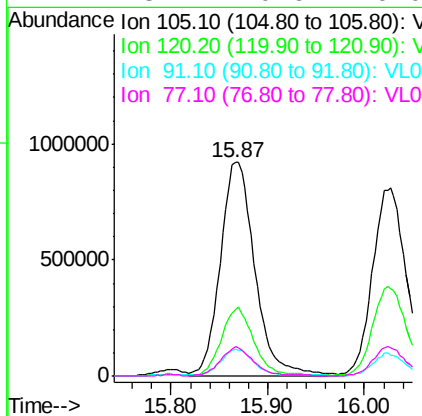
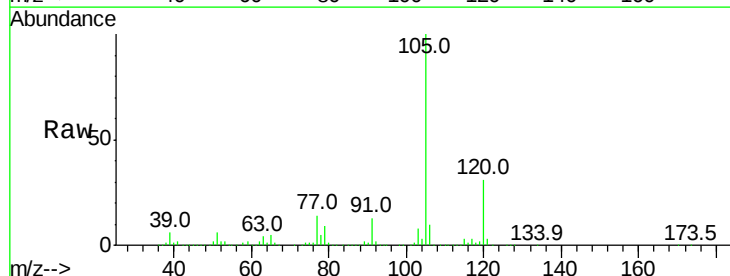
#71
 2-Chlorotoluene
 Concen: 7.60 ppbv
 RT: 15.48
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

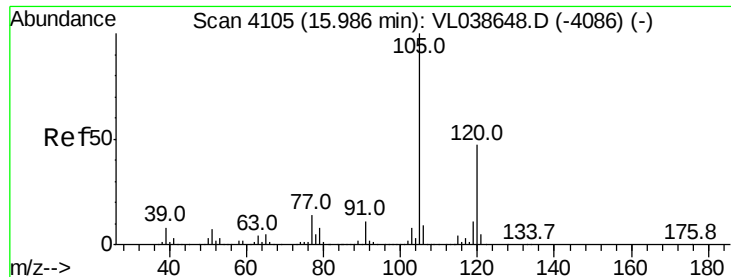
Tgt Ion: 91 Resp: 2125298
 Ion Ratio Lower Upper
 91 100
 126 33.6 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 7.73 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion: 105 Resp: 2284927
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.9 37.3
 91 11.9 9.8 14.6
 77 13.1 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 7.41 ppbv

RT: 16.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

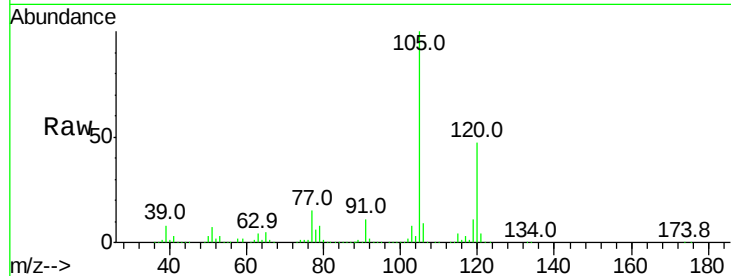
Acq: 25 Mar 2022 14:19

Tgt Ion:105 Resp: 1995969

Ion Ratio Lower Upper

105 100

120 46.5 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

800000

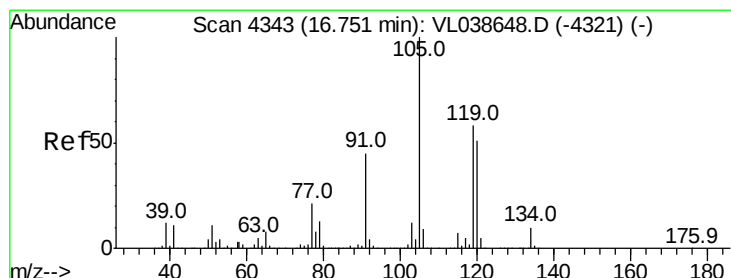
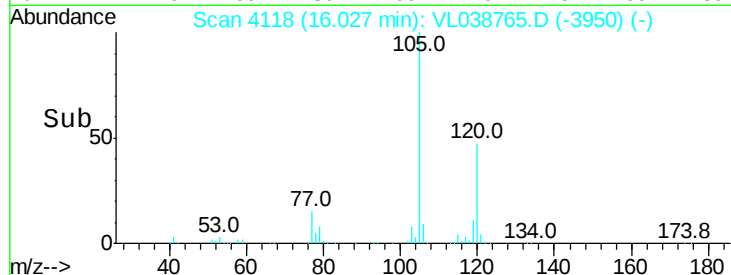
600000

400000

200000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.43 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion:105 Resp: 2180814

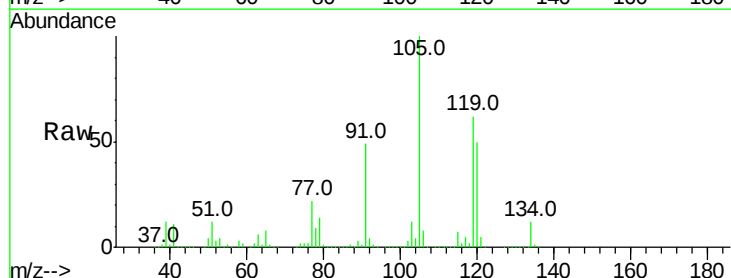
Ion Ratio Lower Upper

105 100

120 49.7 40.5 60.7

91 49.3 35.9 53.9

77 21.5 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

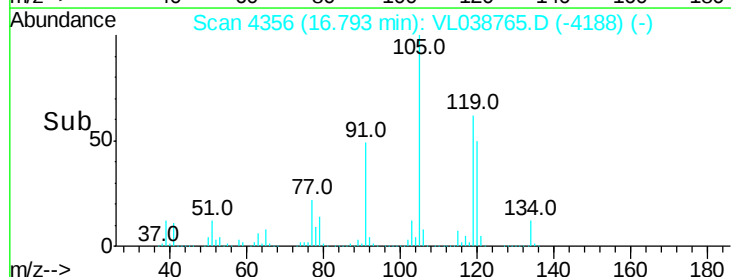
16.79

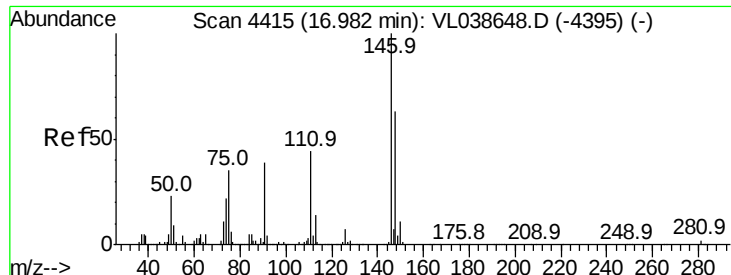
1000000

500000

0

Time--> 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 7.02 ppbv

RT: 17.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

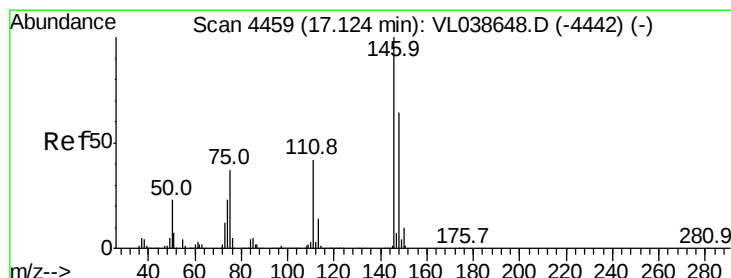
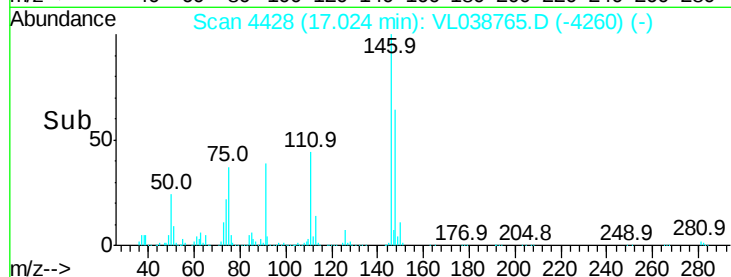
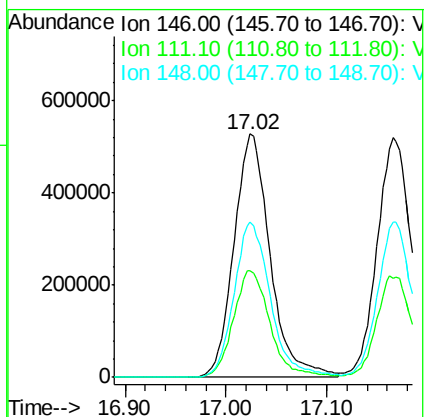
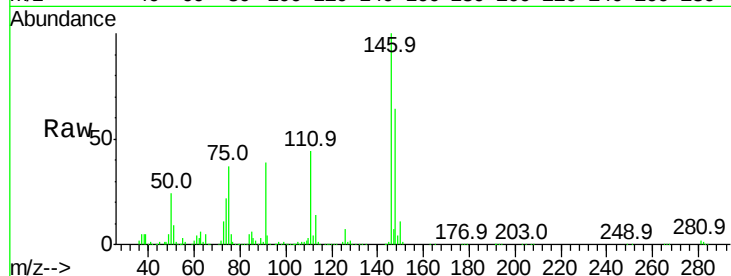
Tgt Ion:146 Resp: 1313430

Ion Ratio Lower Upper

146 100

111 44.4 22.2 66.6

148 64.5 32.5 97.5



#76

1,4-Dichlorobenzene

Concen: 6.93 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

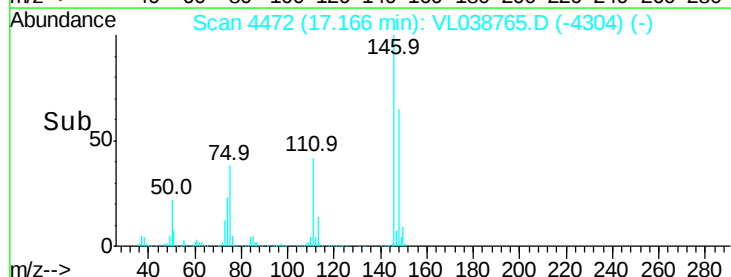
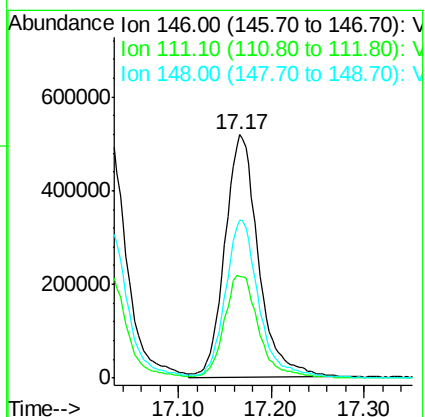
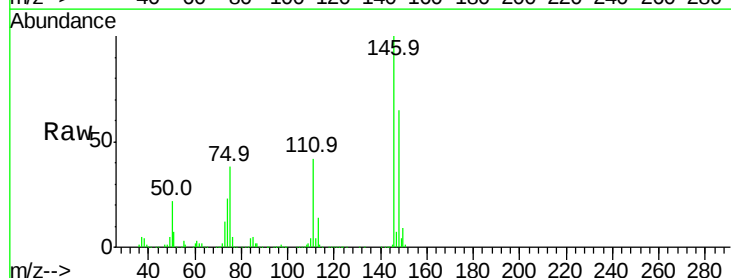
Tgt Ion:146 Resp: 1289474

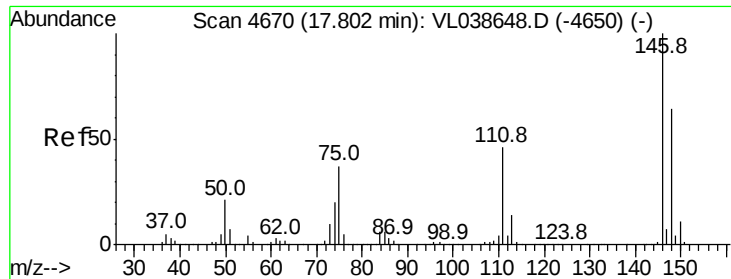
Ion Ratio Lower Upper

146 100

111 43.8 21.4 64.2

148 65.7 32.1 96.3

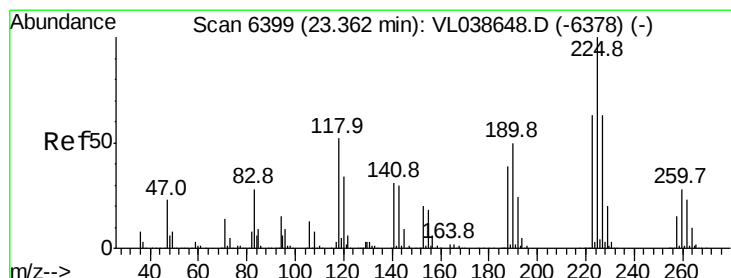
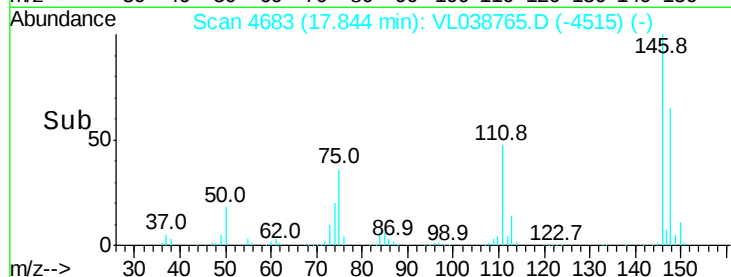
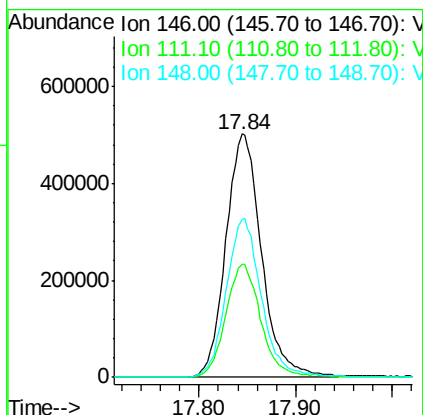
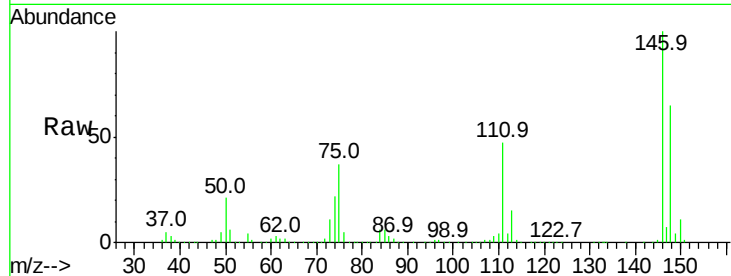




#77
 1,2-Dichlorobenzene
 Concen: 6.87 ppbv
 RT: 17.84 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

Tgt Ion:146 Resp: 1272071

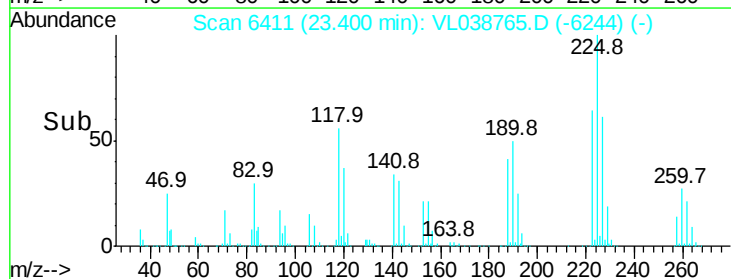
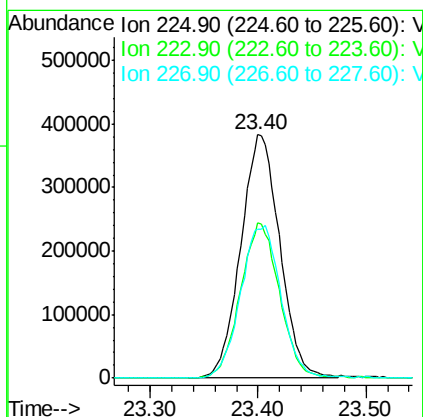
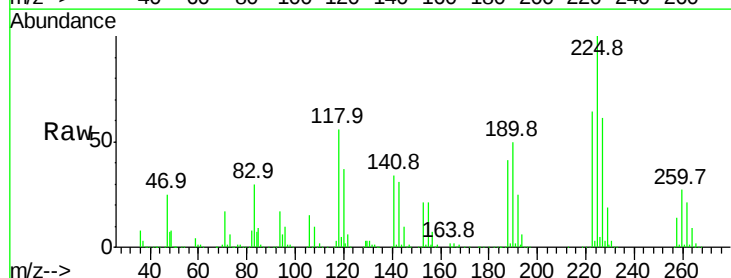
Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.8	68.4
148	64.8	32.5	97.4

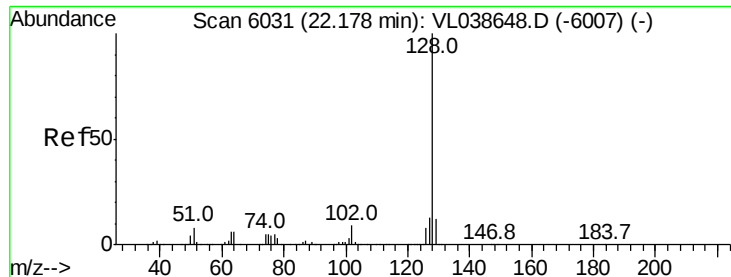


#78
 Hexachloro-1,3-Butadiene
 Concen: 5.64 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T.: 0.04 min
 Lab File: VL038765.D
 Acq: 25 Mar 2022 14:19

Tgt Ion:225 Resp: 965449

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.0	76.6
227	65.0	51.5	77.3

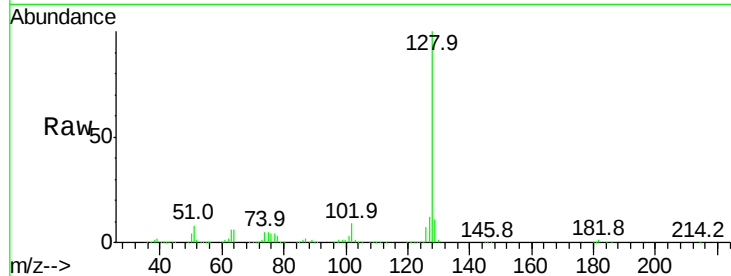




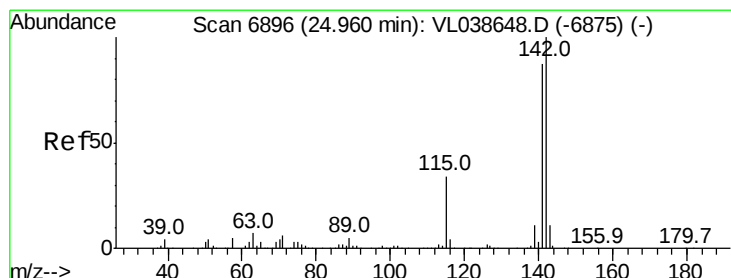
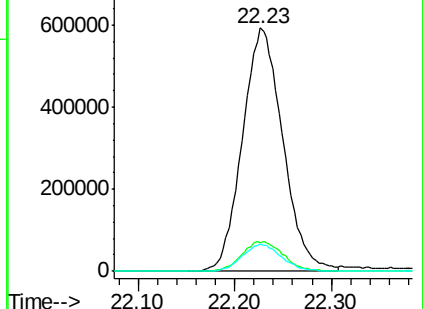
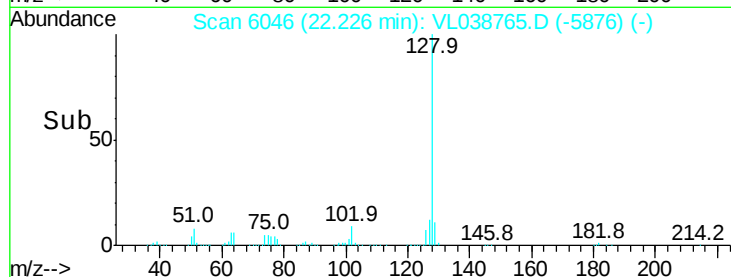
#79
Naphthalene
Concen: 7.68 ppbv
RT: 22.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 25 Mar 2022 14:19

Tgt Ion:128 Resp: 1723527

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	11.2	9.2	13.8



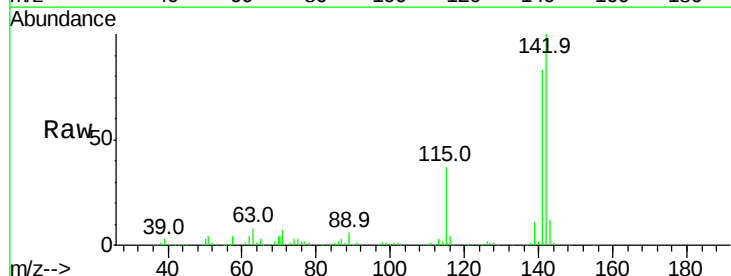
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



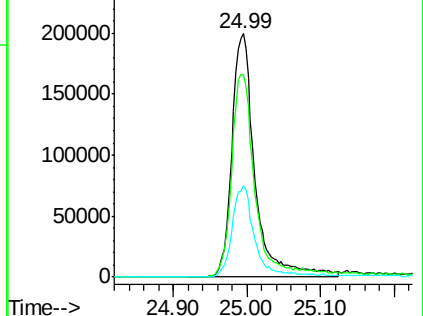
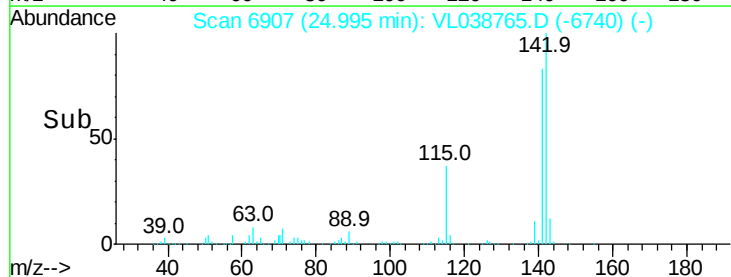
#80
Naphthalene, 2-methyl-
Concen: 7.25 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.04 min
Lab File: VL038765.D
Acq: 25 Mar 2022 14:19

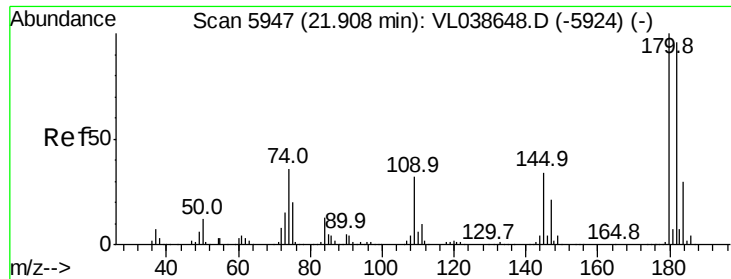
Tgt Ion:142 Resp: 436008

Ion	Ratio	Lower	Upper
142	100		
141	85.5	66.4	99.6
115	38.1	27.8	41.6



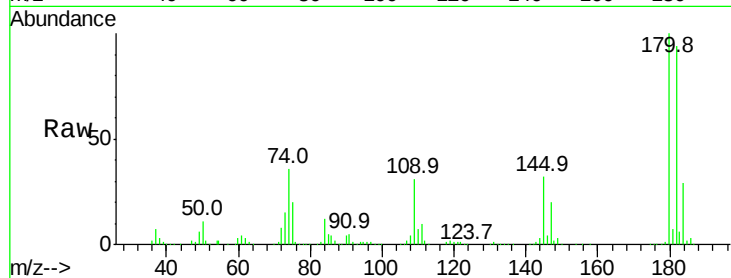
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.42 ppbv
 RT: 21.95
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 25 Mar 2022 14:19

Tgt Ion:180 Resp: 985916
 Ion Ratio Lower Upper
 180 100
 182 99.5 79.2 118.8
 184 31.6 24.8 37.2



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

