

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038429.D
 Acq On : 24 Feb 2022 5:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Feb 24 07:34:21 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	5.64	49	668011	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2115167	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2466575	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1570848	7.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1278829	12.09	ppbv	100
3) Chlorodifluoromethane	2.98	51	1525806	12.94	ppbv	100
4) Chloromethane	3.13	50	524126	12.79	ppbv	98
5) Vinyl Chloride	3.24	62	528693	12.34	ppbv	97
6) Bromomethane	3.46	94	285888	12.65	ppbv	98
7) Chloroethane	3.54	64	176733	12.84	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1285469	13.06	ppbv	99
9) Propene	3.00	41	499704	12.83	ppbv	99
10) Heptane	8.09	43	1300657	13.72	ppbv	100
11) Trichlorofluoromethane	3.93	101	1324035	13.07	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	979575	13.19	ppbv	99
13) Ethanol	3.60	45	33736	8.68	ppbv	85
14) Bromoethene	3.72	108	387034	13.08	ppbv	99
15) Acetone	3.83	43	649866	11.44	ppbv	99
16) 1,3-Butadiene	3.31	39	503435	13.27	ppbv	96
17) tert-Butyl alcohol	4.26	59	840644	14.83	ppbv	99
18) 1,1-Dichloroethene	4.27	96	423935	13.00	ppbv	98
19) Isopropyl Alcohol	3.95	45	414048	12.59	ppbv	99
20) Methylene Chloride	4.32	84	352700	12.53	ppbv	96
21) Allyl Chloride	4.39	41	625620	13.04	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	460898	14.01	ppbv	98
23) Vinyl Acetate	5.05	43	1044082	13.87	ppbv	98
24) 1,1-Dichloroethane	4.99	63	895813	13.24	ppbv	99
25) Ethyl Acetate	5.65	43	1631311	10.69	ppbv	99
26) Hexane	5.66	57	756405	10.94	ppbv	97
27) Carbon Disulfide	4.53	76	1068803	13.90	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	944623	13.42	ppbv	98
29) Chloroform	5.73	83	1425781	12.64	ppbv	99
30) Cyclohexane	7.10	84	783738	13.87	ppbv	97
31) cis-1,2-Dichloroethene	5.52	61	688339	10.28	ppbv	94
32) 1,1,1-Trichloroethane	6.48	97	1507597	13.29	ppbv	99
34) 2-Butanone	5.22	43	688714	10.35	ppbv	98
35) Carbon Tetrachloride	6.99	117	1539567	10.35	ppbv	97
36) Benzene	6.86	78	1941486	10.43	ppbv	97
37) 1,2-Dichloroethane	6.28	62	1136490	10.56	ppbv	100
38) Trichloroethene	7.81	130	692002	10.20	ppbv	95
39) 1,2-Dichloropropane	7.58	63	761353	10.27	ppbv	96
40) 1,4-Dioxane	7.81	88	128885	7.33	ppbv #	1
41) Tetrahydrofuran	6.02	42	479236	10.66	ppbv	99
42) Bromodichloromethane	7.76	83	1645383	10.59	ppbv	97
43) Methyl Methacrylate	7.98	69	721984	11.15	ppbv	100

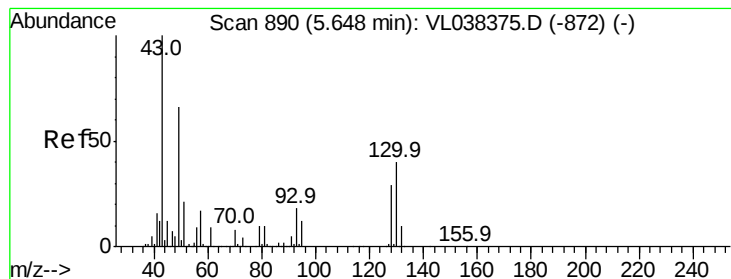
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038429.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3257874	10.18	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	539824	10.43	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	683500	10.08	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	778216	10.55	ppbv	97
48) Dibromochloromethane	10.27	129	1310956	10.87	ppbv	99
49) Bromoform	13.00	173	973311	10.93	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	1321317	11.23	ppbv	99
51) 2-Hexanone	10.10	43	601659	11.43	ppbv #	99
52) Tetrachloroethene	11.19	164	614277	9.94	ppbv	97
53) Toluene	9.77	91	2164561	10.71	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1137266	10.95	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.09	131	862663	8.39	ppbv #	93
57) Chlorobenzene	12.11	112	1507166	7.92	ppbv	97
58) Ethyl Benzene	12.67	91	2906314	8.62	ppbv	100
59) m/p-Xylene	12.96	91	2700799	9.32	ppbv #	45
60) o-Xylene	13.65	91	2292738	8.37	ppbv	98
61) Styrene	13.49	104	1137561	9.01	ppbv	98
62) Isopropylbenzene	14.63	105	3083709	8.39	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	1692107	7.61	ppbv	98
64) n-propylbenzene	15.53	120	760051	8.35	ppbv	83
65) tert-Butylbenzene	16.71	119	2703709	8.49	ppbv	99
66) Benzyl Chloride	16.95	91	137093	7.97	ppbv	99
67) sec-Butylbenzene	17.26	105	3839954	8.51	ppbv	99
69) p-Isopropyltoluene	17.62	119	3139650	8.86	ppbv	99
70) n-Butylbenzene	18.51	91	3389822	9.25	ppbv	100
71) 2-Chlorotoluene	15.41	91	2355713	8.34	ppbv	99
72) 4-Ethyltoluene	15.80	105	2603892	8.63	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	2326634	8.49	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	2530756	8.75	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	1387224	8.56	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	1311171	8.21	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1311786	8.41	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1001197	8.42	ppbv	99
79) Naphthalene	22.15	128	1849698	11.80	ppbv	100
80) Naphthalene,2-methyl-	24.94	142	377049	12.31	ppbv	94
81) 1,2,4-Trichlorobenzene	21.88	180	1027092	10.84	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17 VSTDCCC010EC

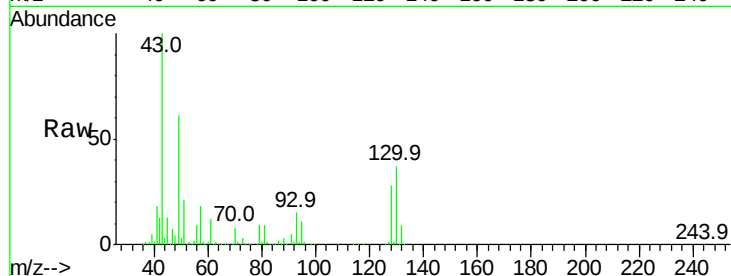
Tgt Ion: 49 Resp: 668011

Ion Ratio Lower Upper

49 100

128 52.0 24.3 72.9

130 62.9 30.1 90.5



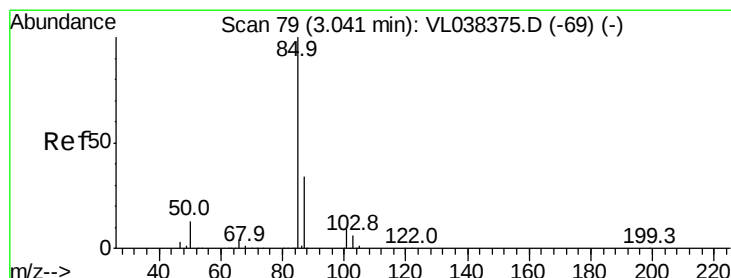
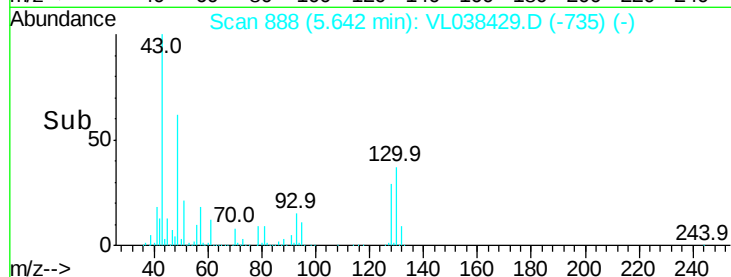
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.64

Time--> 5.55 5.60 5.65 5.70



#2

Dichlorodifluoromethane

Concen: 12.09 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL038429.D

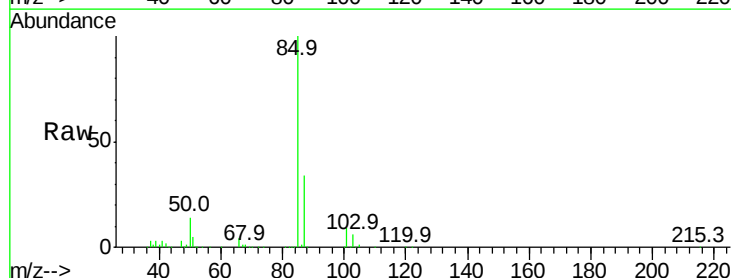
Acq: 24 Feb 2022 5:17

Tgt Ion: 85 Resp: 1278829

Ion Ratio Lower Upper

85 100

87 34.1 27.4 41.0

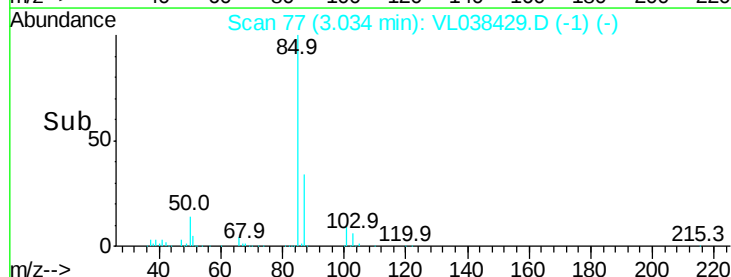


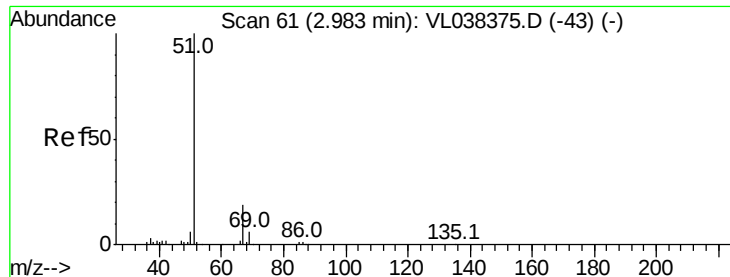
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

Time--> 2.95 3.00 3.05 3.10 3.15





#3

Chlorodifluoromethane

Concen: 12.94 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

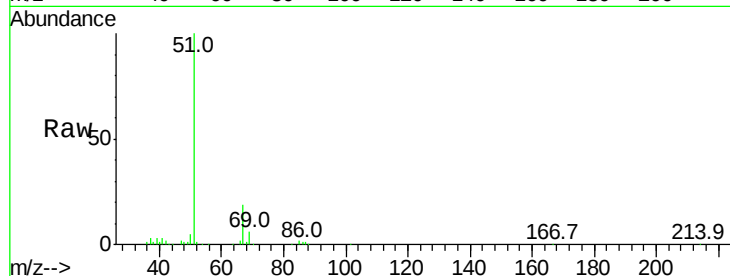
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 51 Resp: 1525806

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

600000

400000

200000

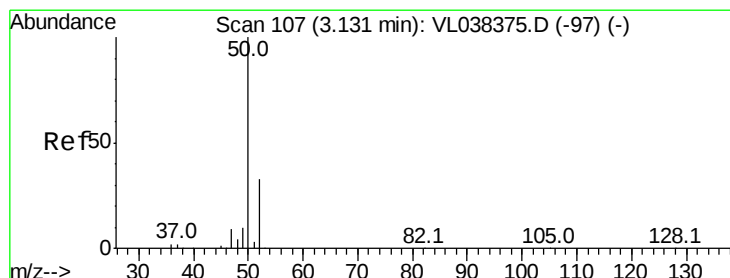
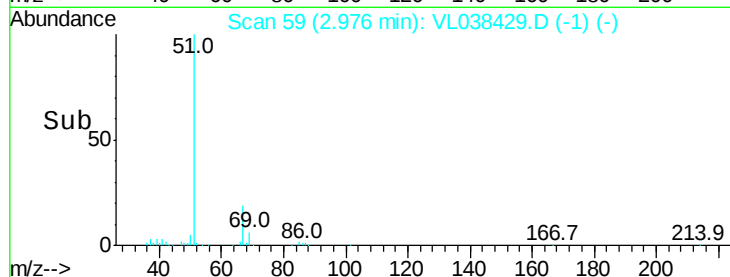
0

Time-->

2.90

3.00

3.10



#4

Chloromethane

Concen: 12.79 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL038429.D

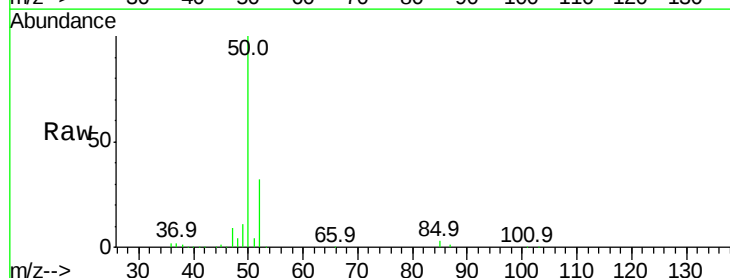
Acq: 24 Feb 2022 5:17

Tgt Ion: 50 Resp: 524126

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

300000

200000

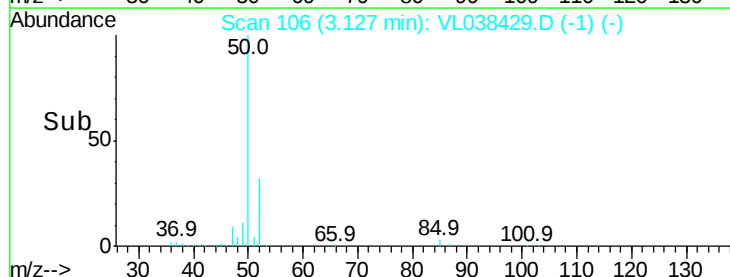
100000

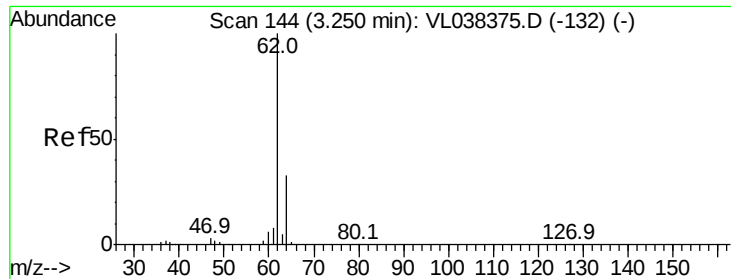
0

Time-->

3.10

3.15





#5

Vinyl Chloride

Concen: 12.34 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

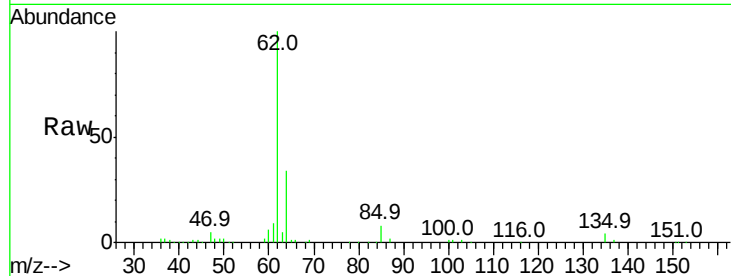
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 62 Resp: 528693

Ion Ratio Lower Upper

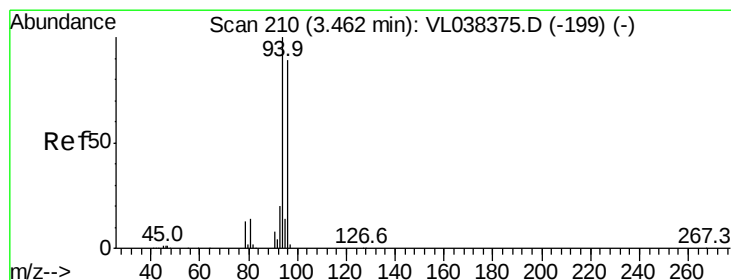
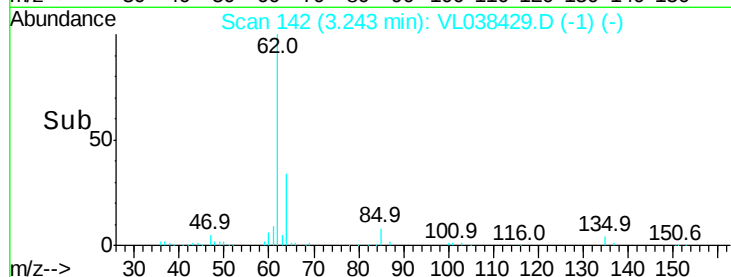
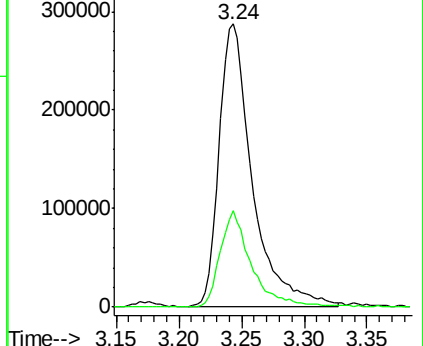
62 100

64 34.3 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 12.65 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL038429.D

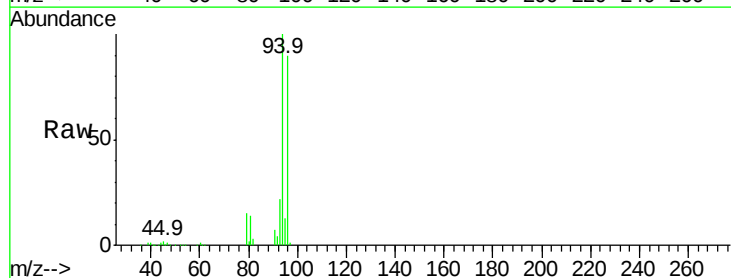
Acq: 24 Feb 2022 5:17

Tgt Ion: 94 Resp: 285888

Ion Ratio Lower Upper

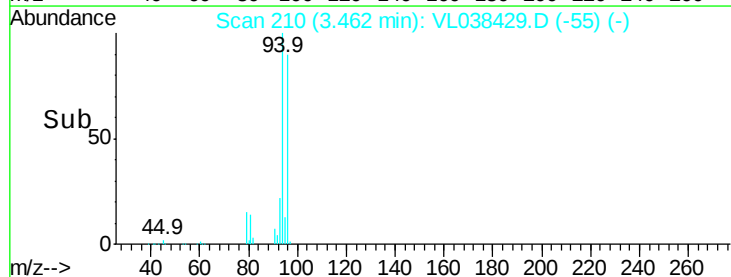
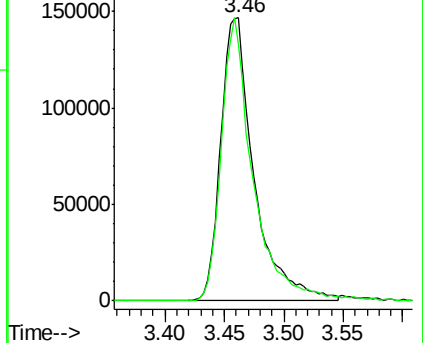
94 100

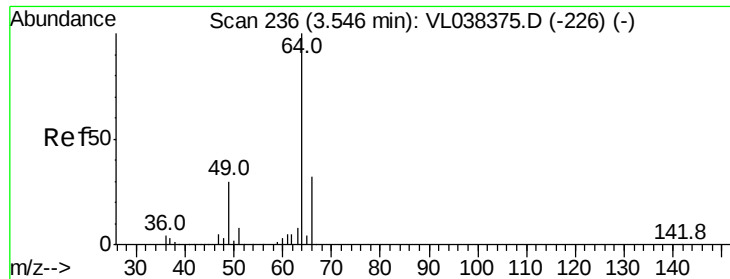
96 90.5 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.84 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

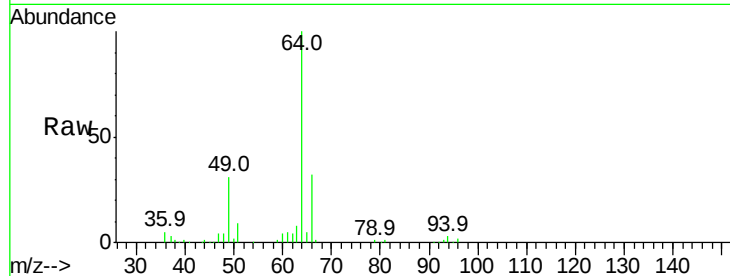
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 64 Resp: 176733

Ion Ratio Lower Upper

64 100

66 31.7 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

100000

80000

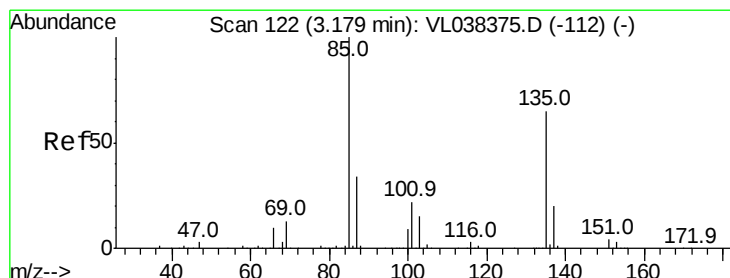
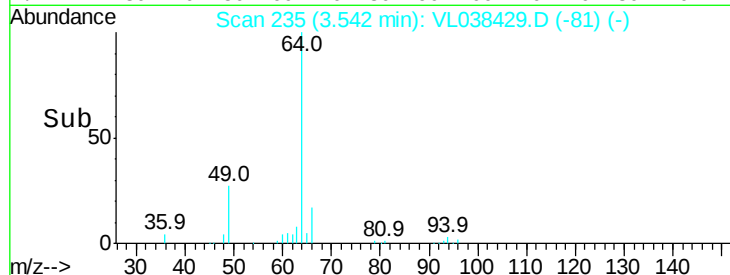
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 13.06 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL038429.D

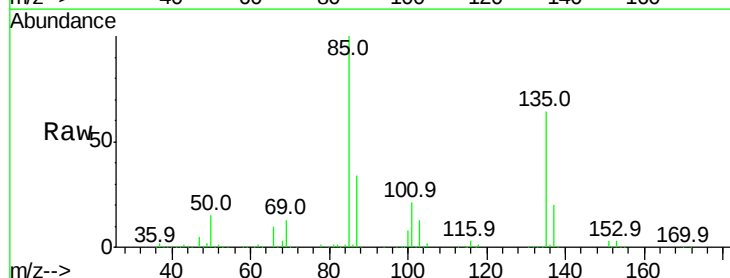
Acq: 24 Feb 2022 5:17

Tgt Ion: 85 Resp: 1285469

Ion Ratio Lower Upper

85 100

135 68.0 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

800000

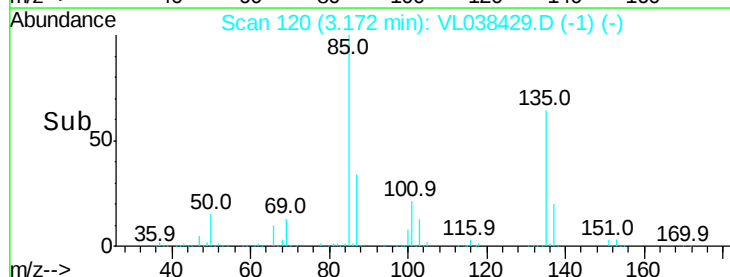
600000

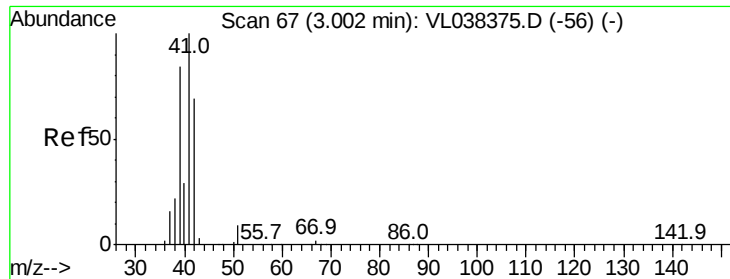
400000

200000

0

Time-->





#9

Propene

Concen: 12.83 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

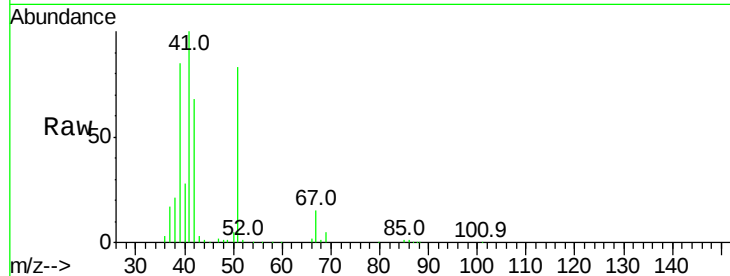
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 41 Resp: 499704

Ion Ratio Lower Upper

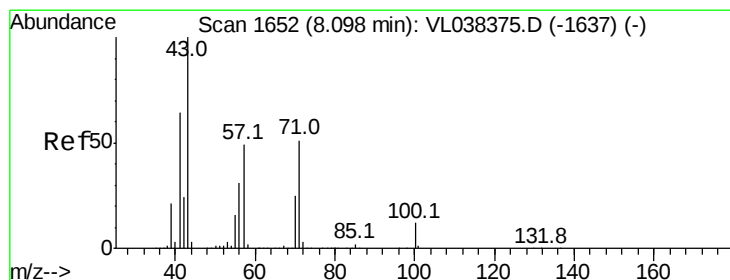
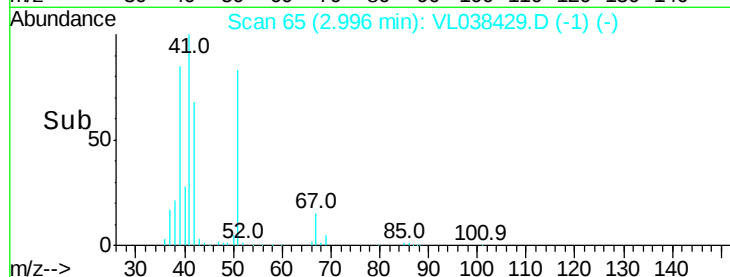
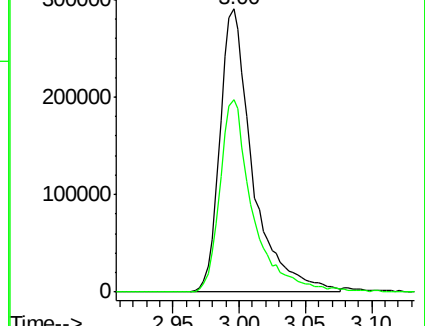
41 100

42 68.8 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 13.72 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.01 min

Lab File: VL038429.D

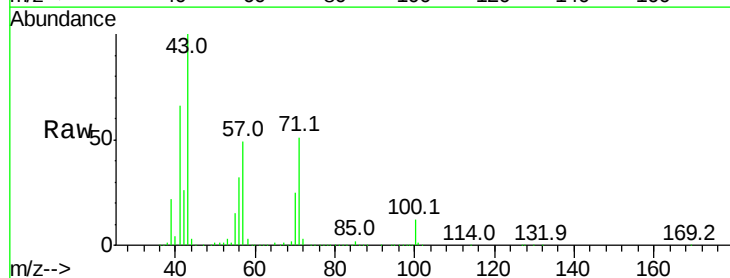
Acq: 24 Feb 2022 5:17

Tgt Ion: 43 Resp: 1300657

Ion Ratio Lower Upper

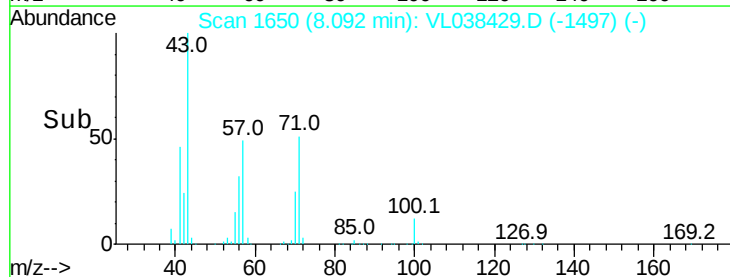
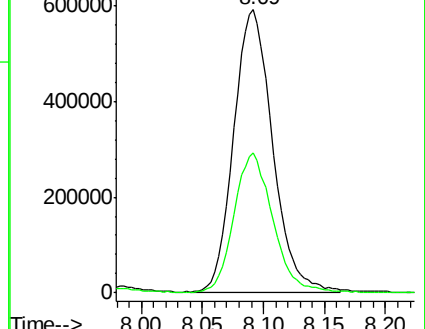
43 100

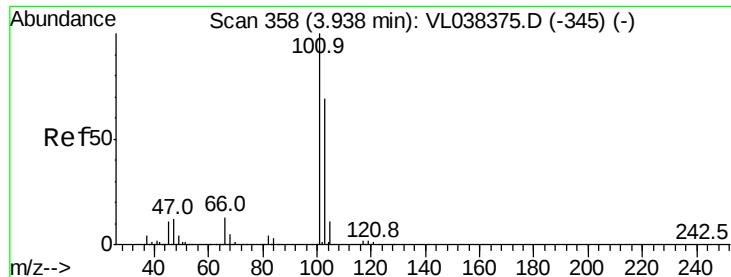
57 49.8 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

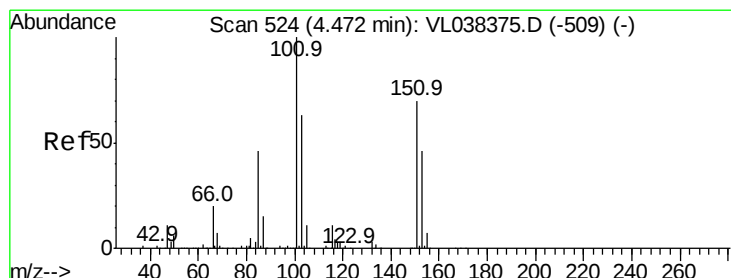
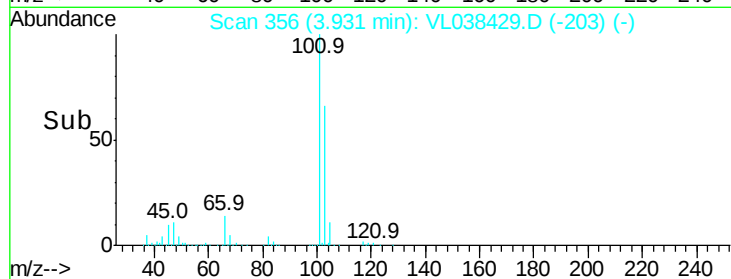
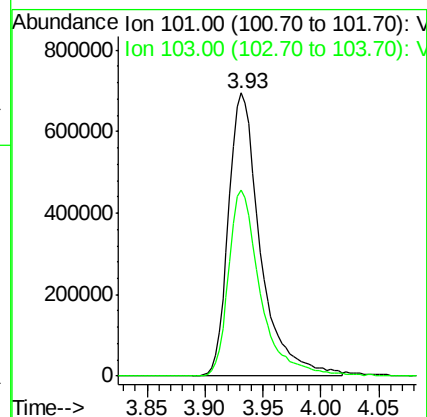
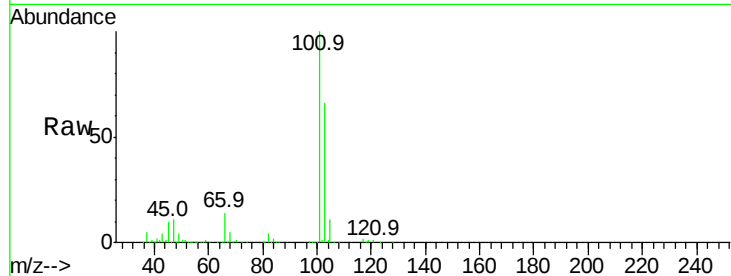
Ion 57.10 (56.80 to 57.80): VL0





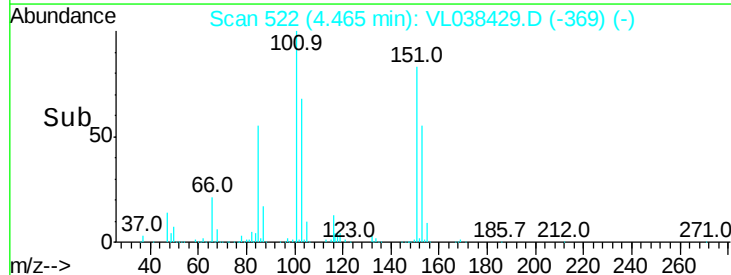
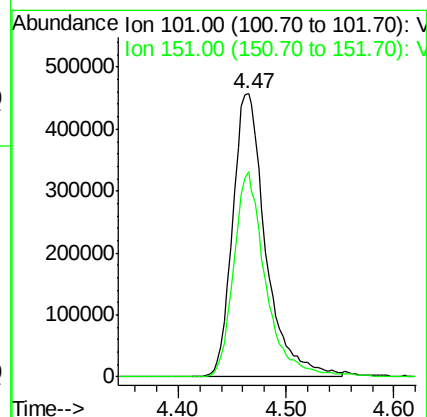
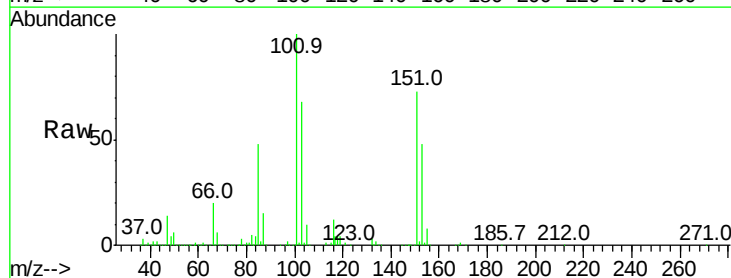
#11
 Trichlorofluoromethane
 Concen: 13.07 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

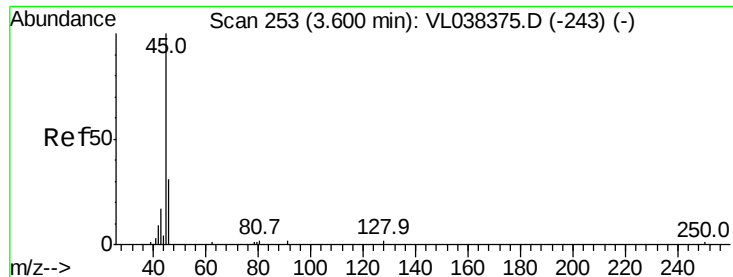
Tgt Ion:101 Resp: 1324035
 Ion Ratio Lower Upper
 101 100
 103 65.8 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.19 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion:101 Resp: 979575
 Ion Ratio Lower Upper
 101 100
 151 70.5 55.9 83.9





#13

Ethanol

Concen: 8.68 ppbv

RT: 3.60 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

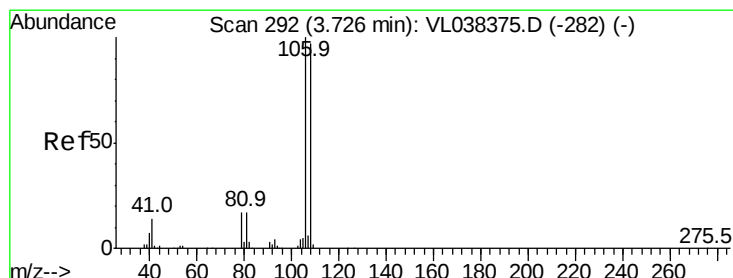
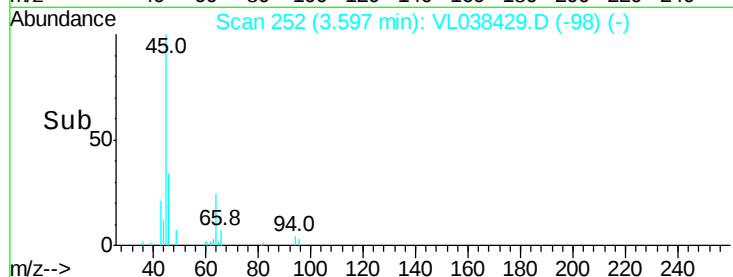
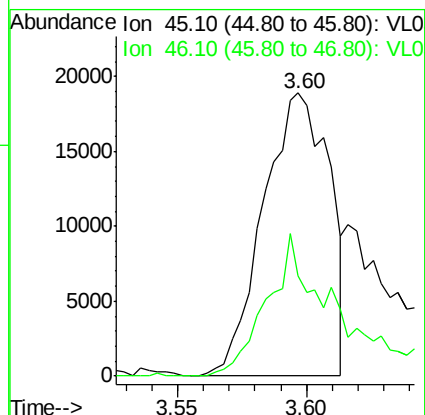
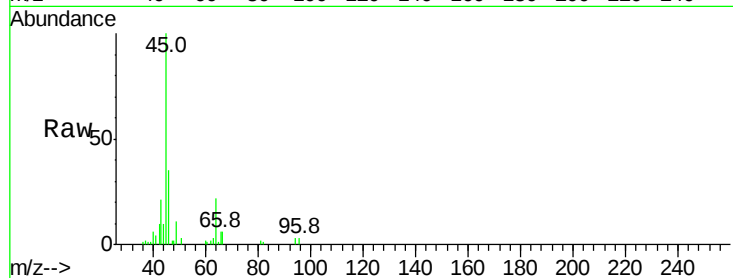
Acq: 24 Feb 2022 5:17

Tgt Ion: 45 Resp: 33736

Ion Ratio Lower Upper

45 100

46 55.2 18.2 72.8



#14

Bromoethene

Concen: 13.08 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

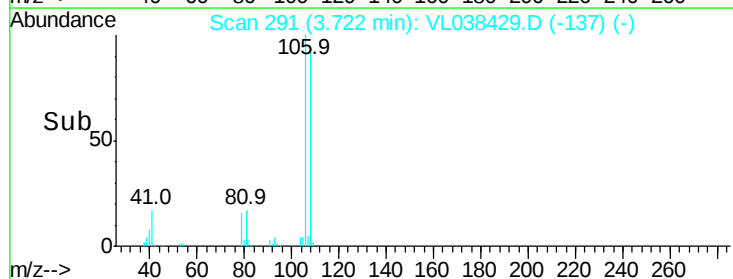
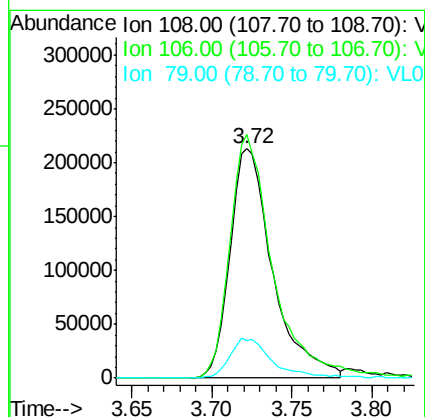
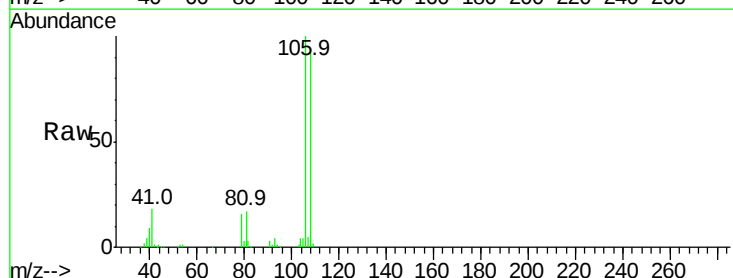
Tgt Ion: 108 Resp: 387034

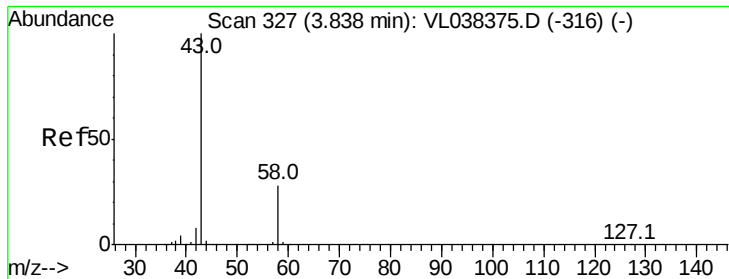
Ion Ratio Lower Upper

108 100

106 109.3 88.4 132.6

79 18.0 15.0 22.6





#15

Acetone

Concen: 11.44 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

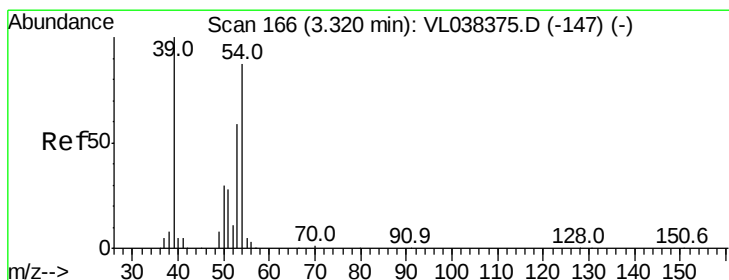
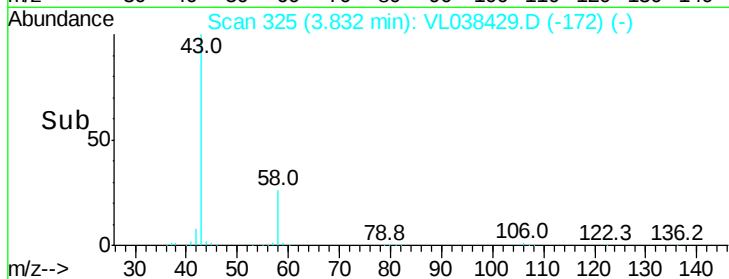
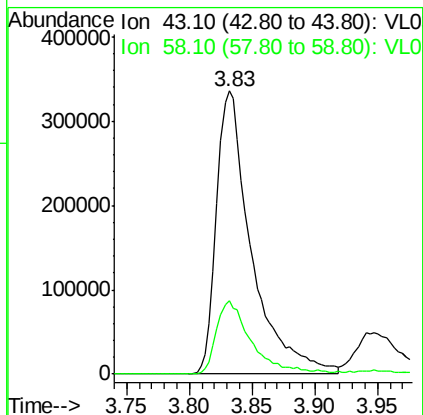
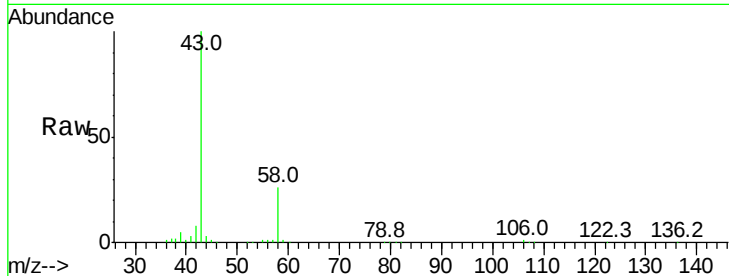
Acq: 24 Feb 2022 5:17

Tgt Ion: 43 Resp: 649866

Ion Ratio Lower Upper

43 100

58 26.4 21.7 32.5



#16

1,3-Butadiene

Concen: 13.27 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL038429.D

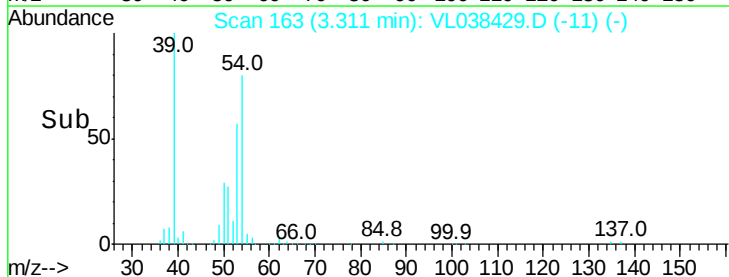
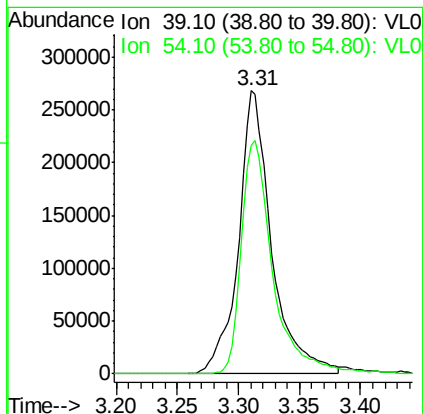
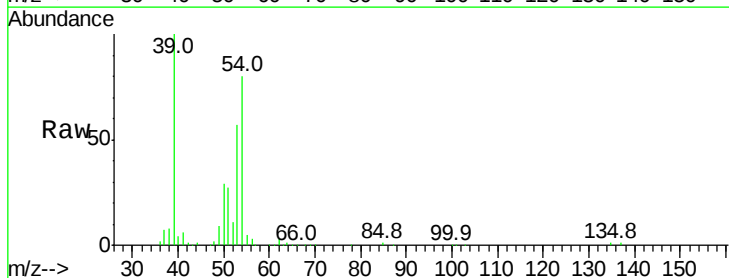
Acq: 24 Feb 2022 5:17

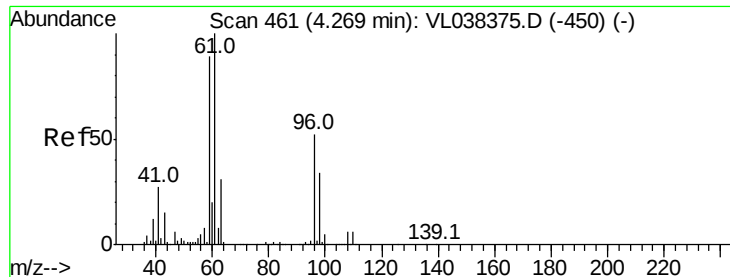
Tgt Ion: 39 Resp: 503435

Ion Ratio Lower Upper

39 100

54 78.9 60.3 90.5





#17

tert-Butyl alcohol

Concen: 14.83 ppbv

RT: 4.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

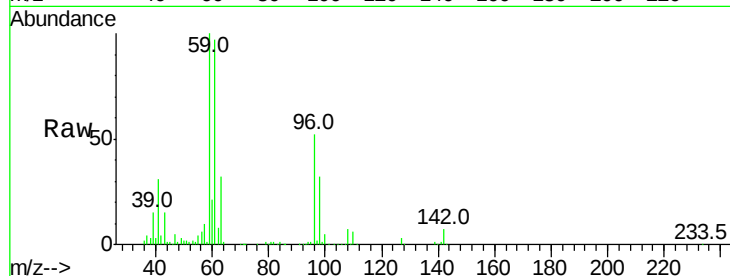
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 59 Resp: 840644

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

400000

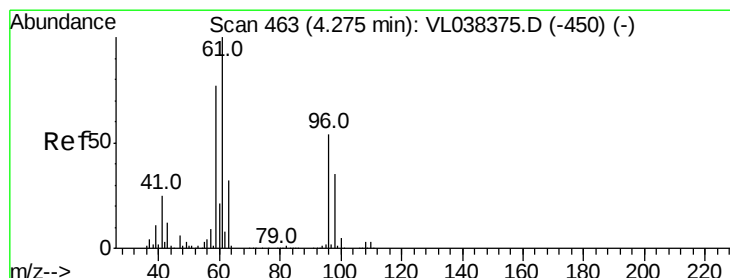
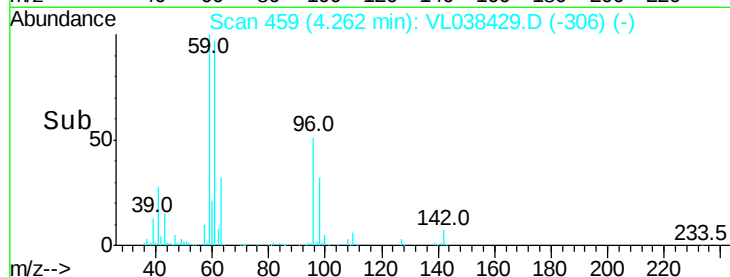
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 13.00 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

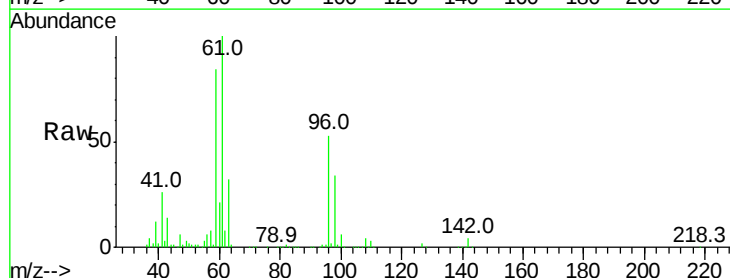
Tgt Ion: 96 Resp: 423935

Ion Ratio Lower Upper

96 100

61 187.4 146.8 220.2

98 64.6 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.27

500000

400000

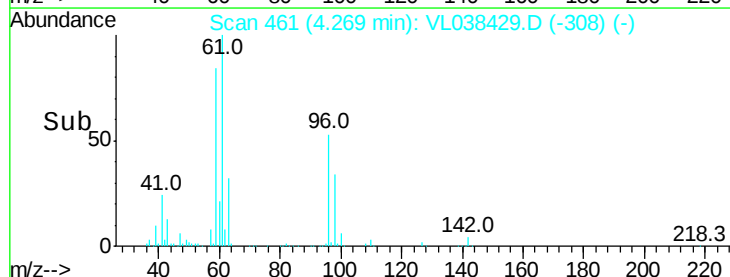
300000

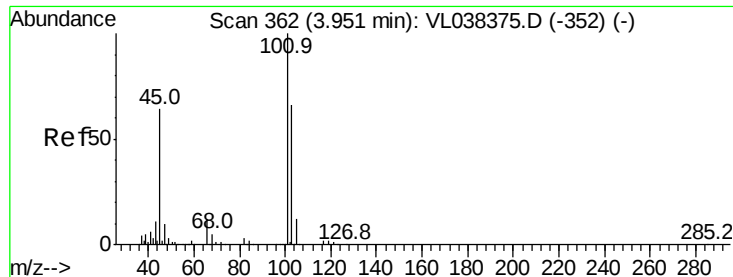
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 12.59 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

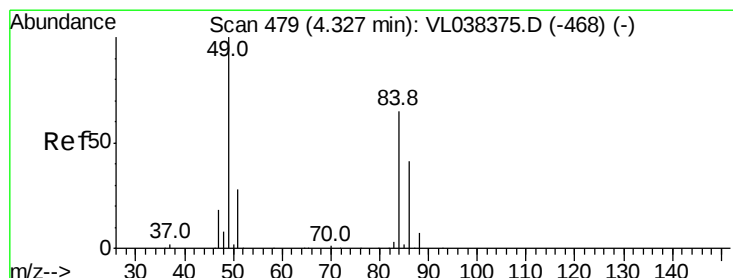
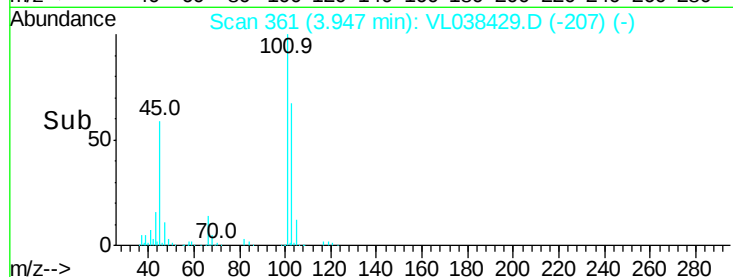
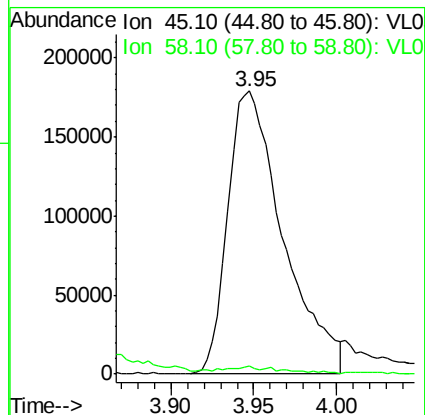
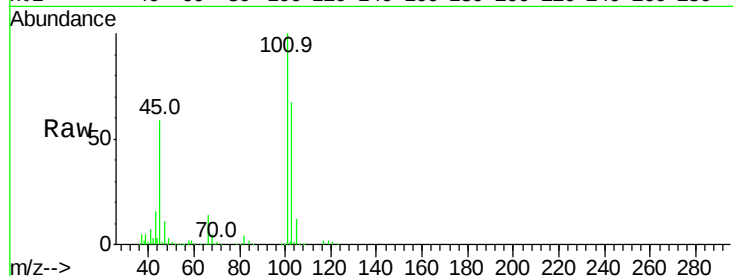
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 45 Resp: 414048

Ion Ratio Lower Upper

45 100

58 2.0 1.8 2.8



#20

Methylene Chloride

Concen: 12.53 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

Tgt Ion: 84 Resp: 352700

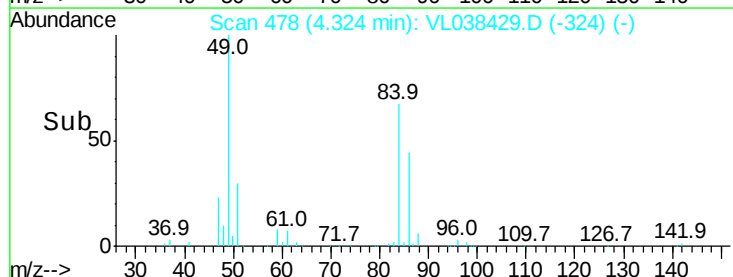
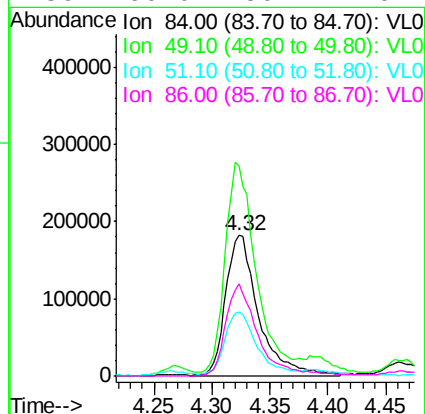
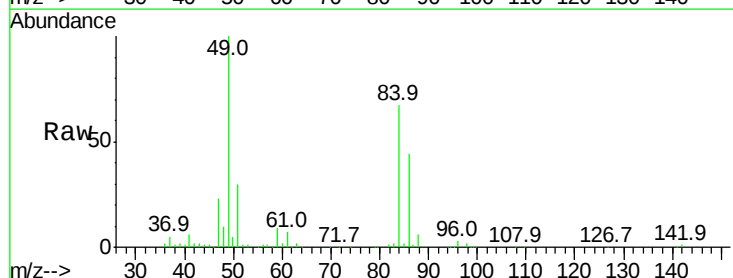
Ion Ratio Lower Upper

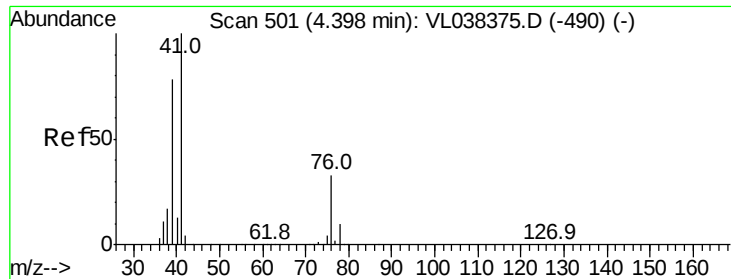
84 100

49 146.4 122.4 183.6

51 43.8 33.3 49.9

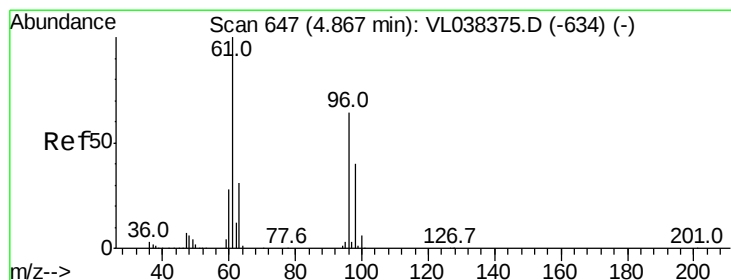
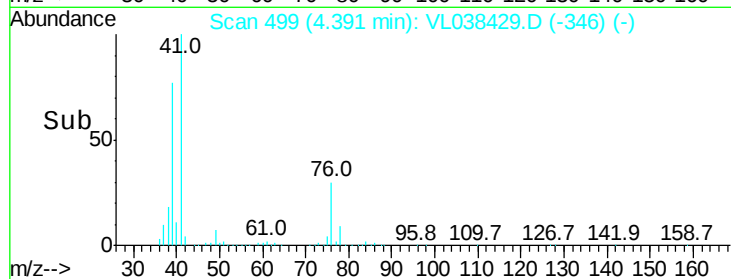
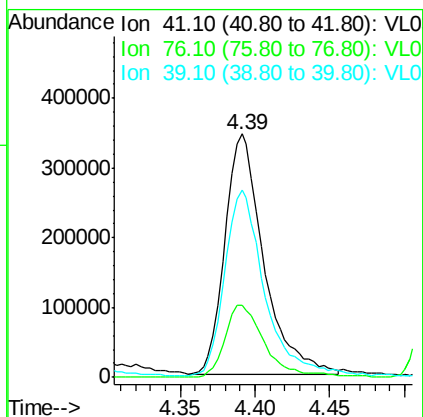
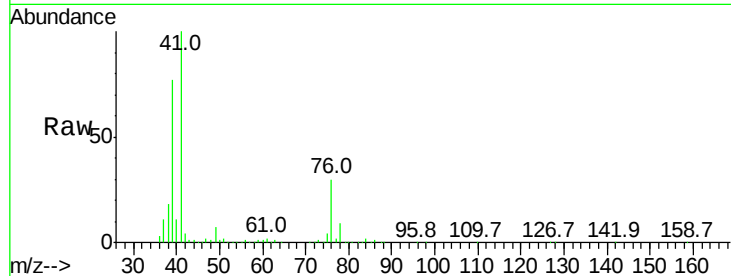
86 66.0 50.7 76.1





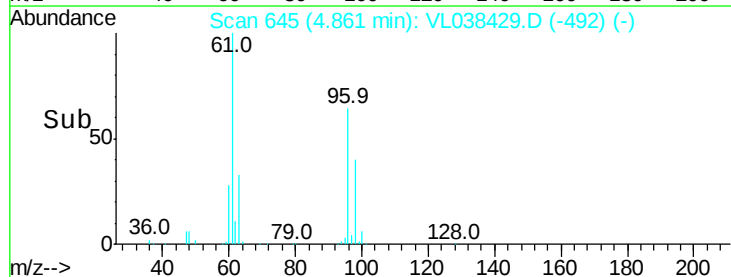
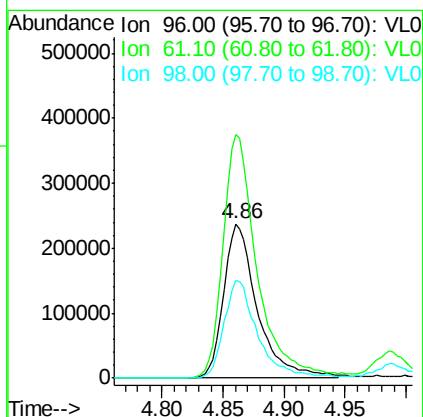
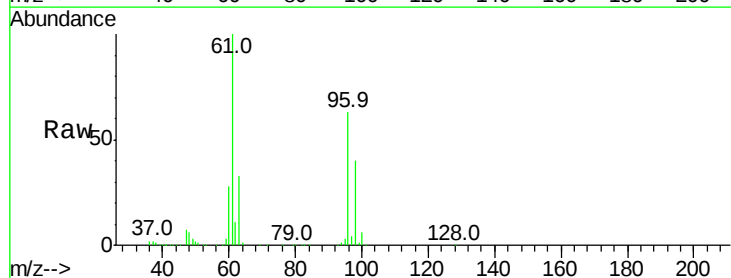
#21
 Allyl Chloride
 Concen: 13.04 ppbv
 RT: 4.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

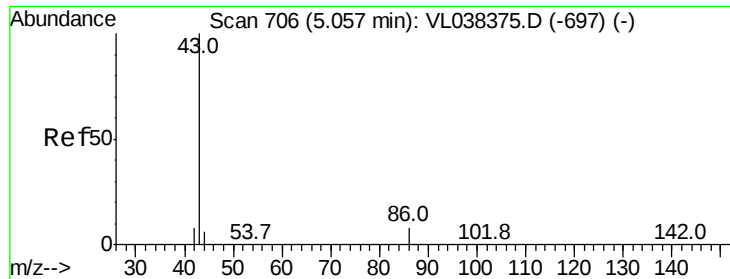
Tgt Ion: 41 Resp: 625620
 Ion Ratio Lower Upper
 41 100
 76 31.1 25.4 38.0
 39 81.8 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 14.01 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion: 96 Resp: 460898
 Ion Ratio Lower Upper
 96 100
 61 157.5 124.2 186.4
 98 63.5 49.1 73.7

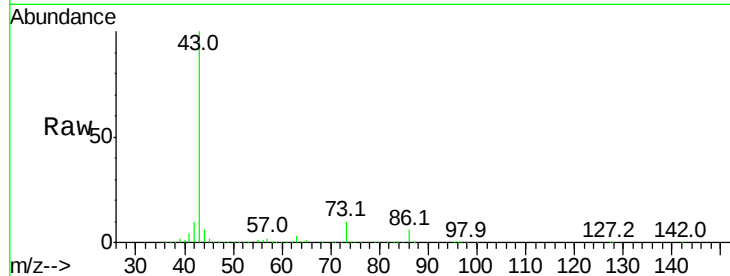




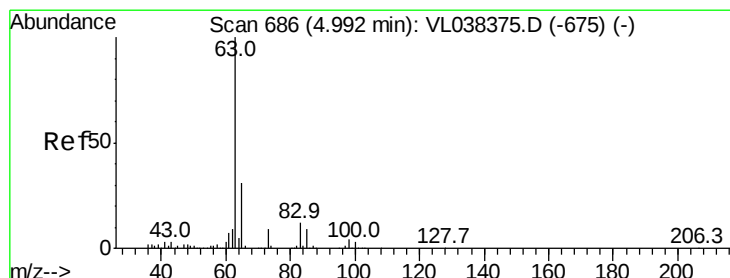
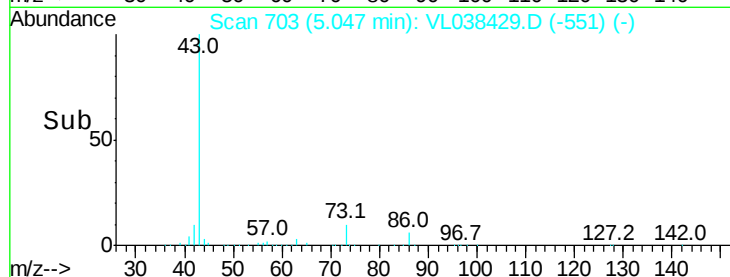
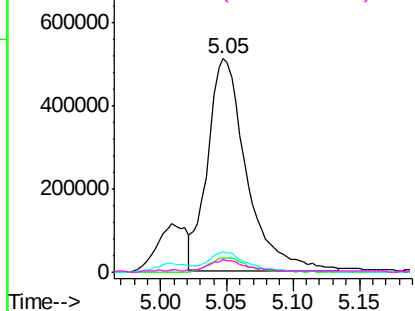
#23
 Vinyl Acetate
 Concen: 13.87 ppbv
 RT: 5.05
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

Tgt Ion: 43 Resp: 1044082

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.8	8.6
42	9.6	7.4	11.0
44	6.0	4.2	6.2



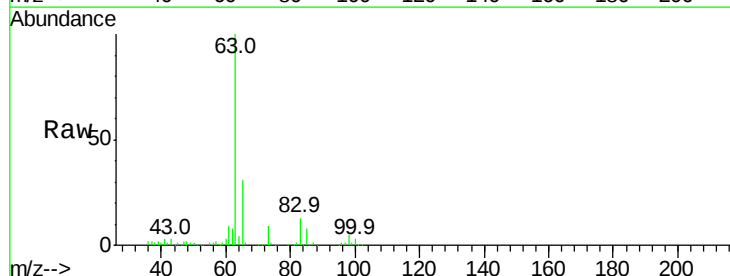
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



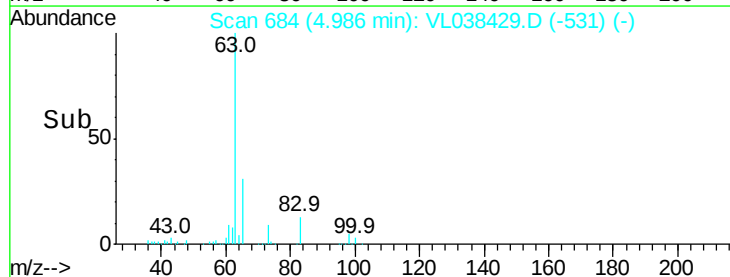
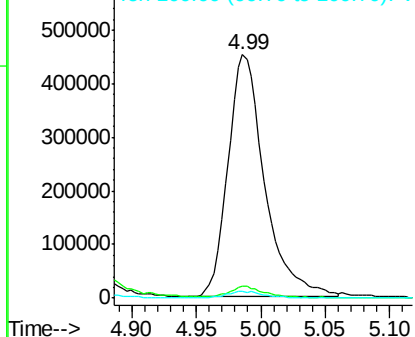
#24
 1,1-Dichloroethane
 Concen: 13.24 ppbv
 RT: 4.99 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

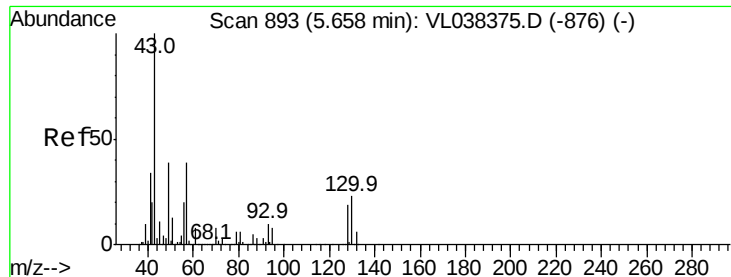
Tgt Ion: 63 Resp: 895813

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.5
100	2.9	1.4	4.2



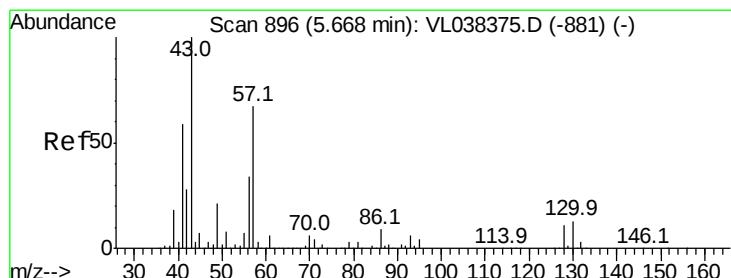
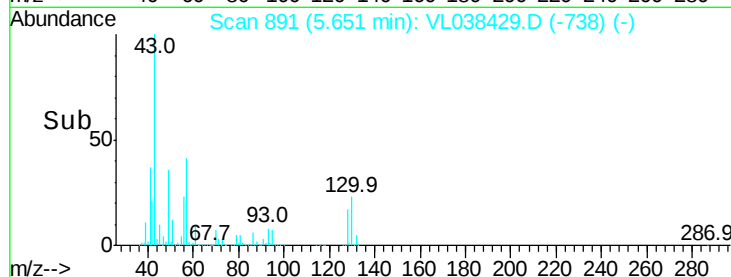
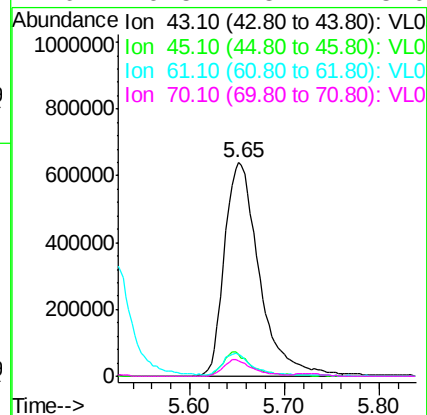
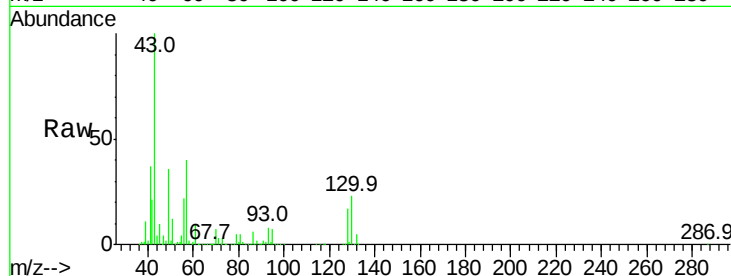
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





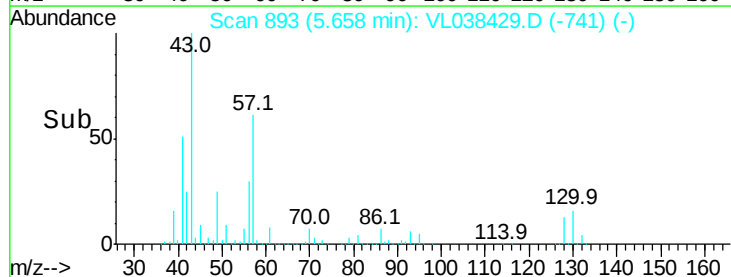
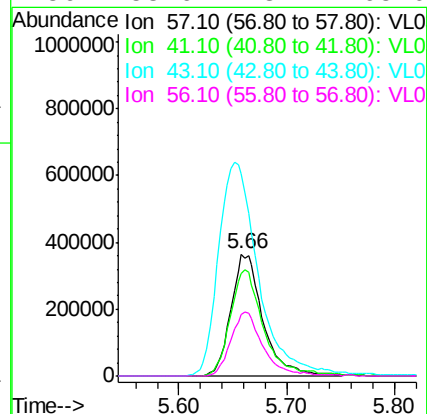
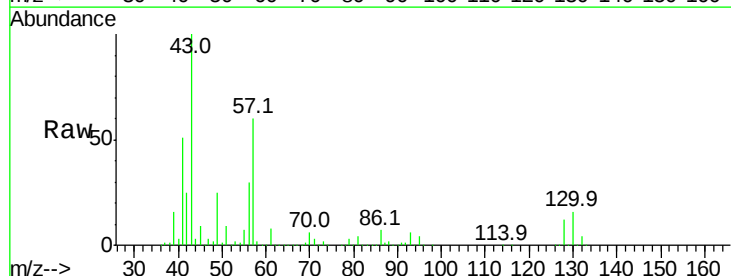
#25
Ethyl Acetate
Concen: 10.69 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 24 Feb 2022 5:17

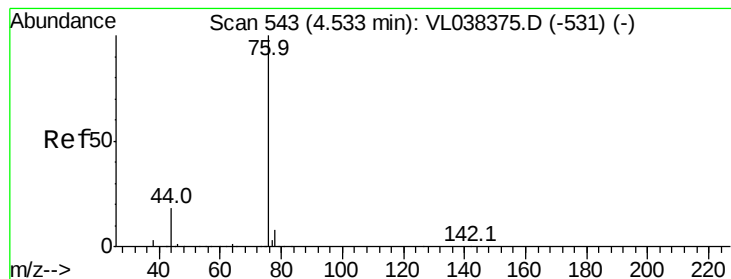
Tgt Ion:	43	Resp:	1631311
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.8	7.5	11.3
70	6.5	5.4	8.0



#26
Hexane
Concen: 10.94 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL038429.D
Acq: 24 Feb 2022 5:17

Tgt Ion:	57	Resp:	756405
Ion	Ratio	Lower	Upper
57	100		
41	91.1	73.1	109.7
43	217.8	181.0	271.4
56	53.6	43.4	65.0





#27

Carbon Disulfide

Concen: 13.90 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17 VSTDCCC010EC

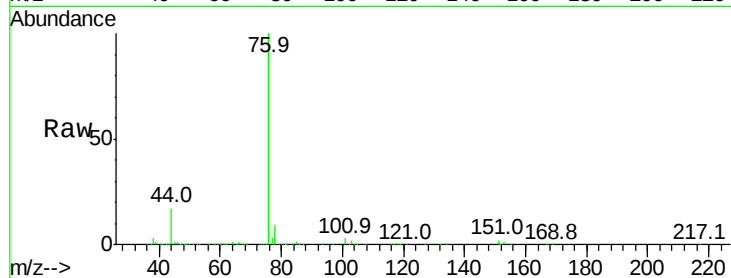
Tgt Ion: 76 Resp: 1068803

Ion Ratio Lower Upper

76 100

44 17.7 14.2 21.2

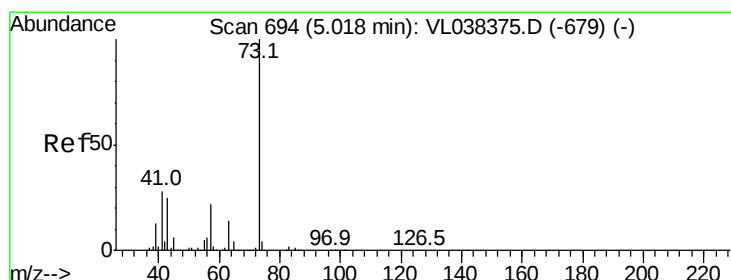
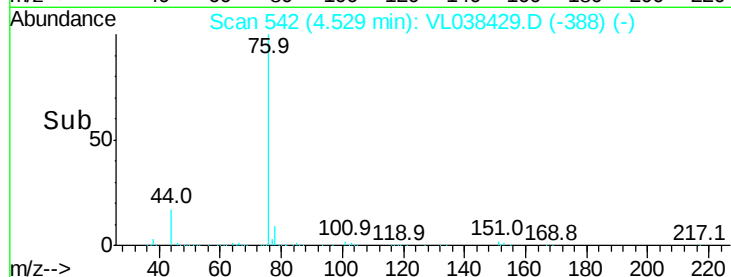
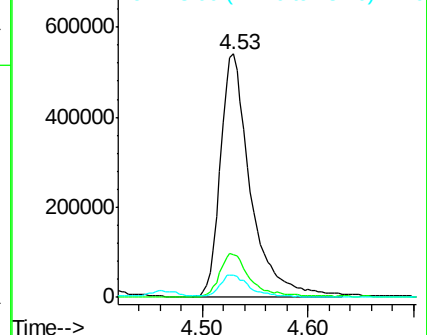
78 9.5 7.8 11.6



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: 13.42 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL038429.D

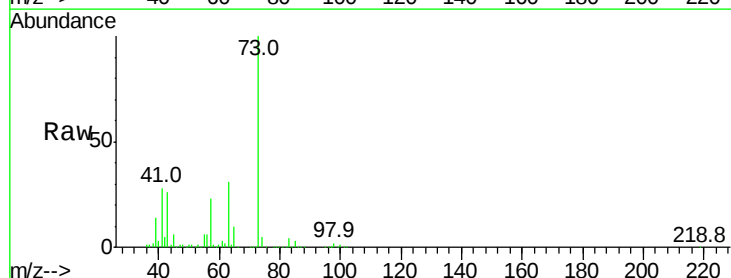
Acq: 24 Feb 2022 5:17

Tgt Ion: 73 Resp: 944623

Ion Ratio Lower Upper

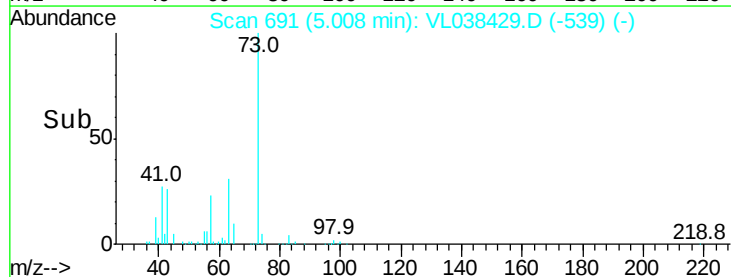
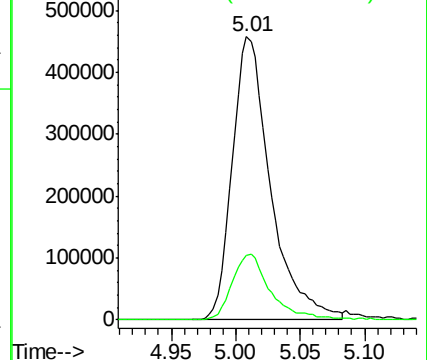
73 100

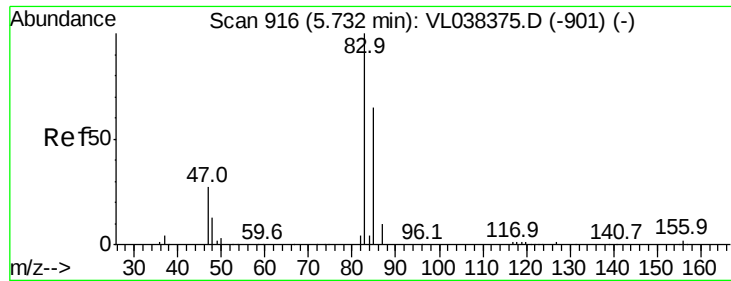
57 23.7 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

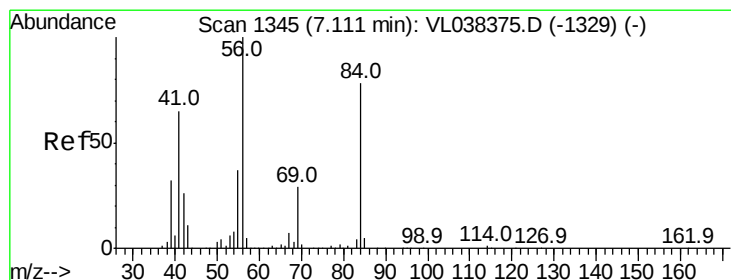
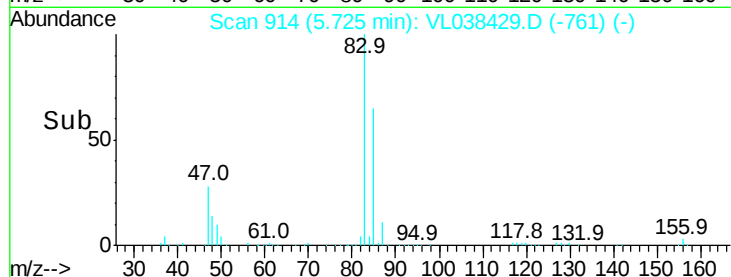
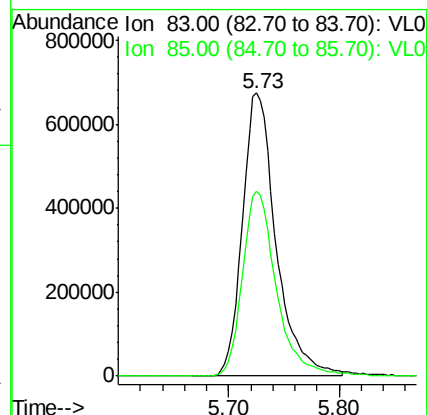
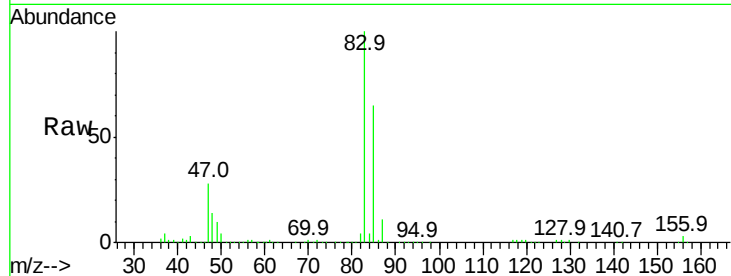
Ion 57.10 (56.80 to 57.80): VL0





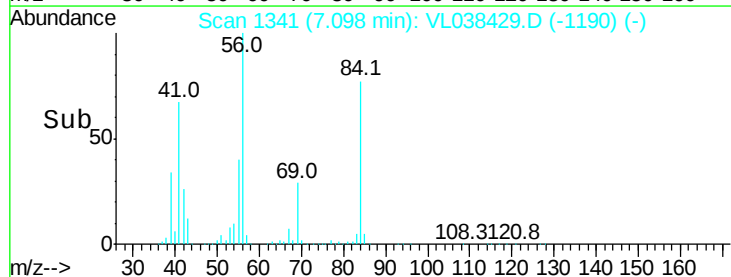
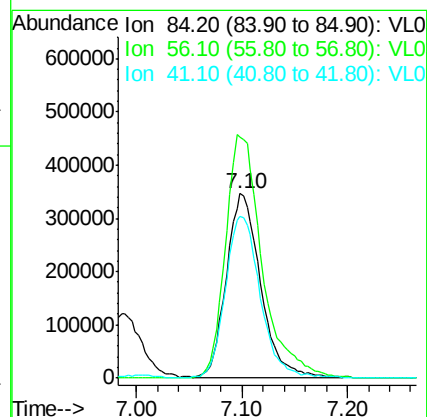
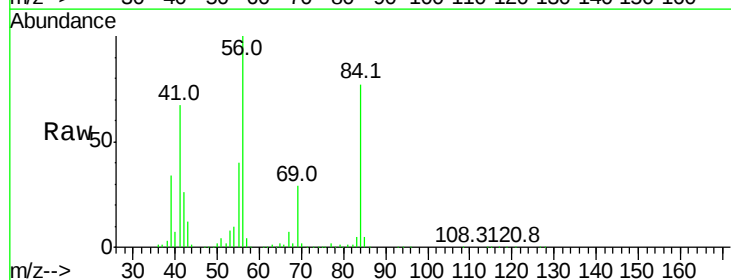
#29
Chloroform
Concen: 12.64 ppbv
RT: 5.73
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 24 Feb 2022 5:17

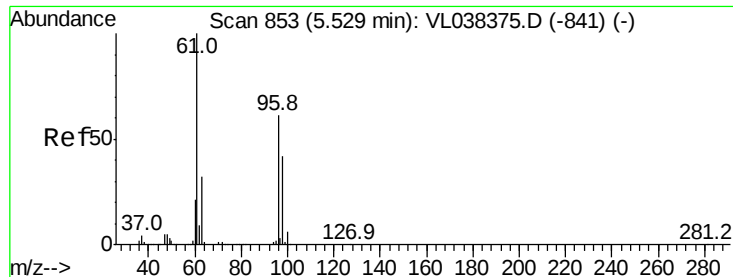
Tgt Ion: 83 Resp: 1425781
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4



#30
Cyclohexane
Concen: 13.87 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL038429.D
Acq: 24 Feb 2022 5:17

Tgt Ion: 84 Resp: 783738
Ion Ratio Lower Upper
84 100
56 141.1 116.2 174.4
41 89.5 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.28 ppbv

RT: 5.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17

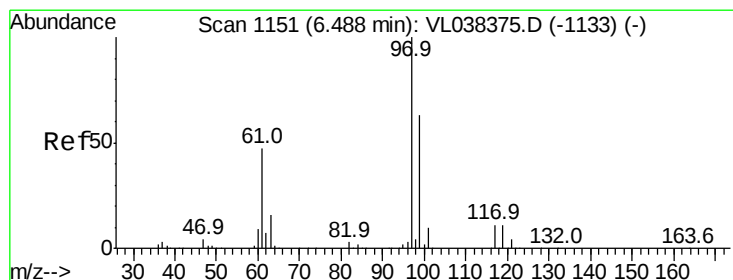
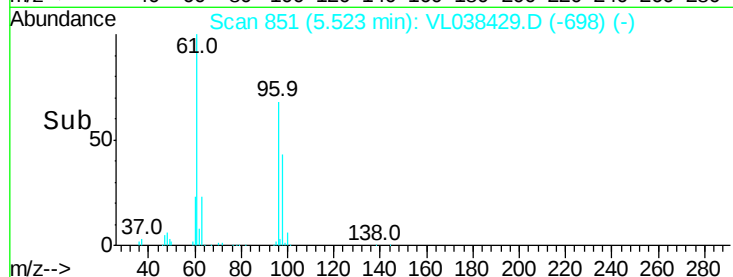
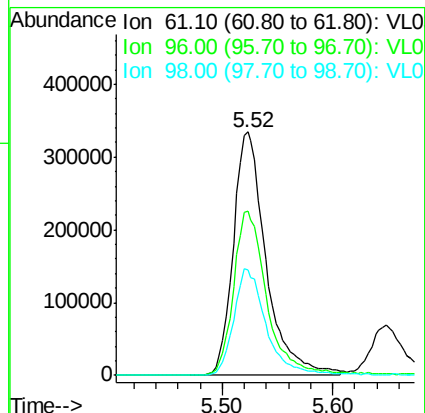
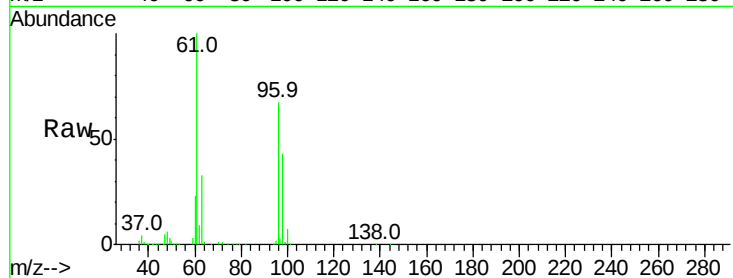
Tgt Ion: 61 Resp: 688339

Ion Ratio Lower Upper

61 100

96 67.3 48.6 73.0

98 43.3 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 13.29 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

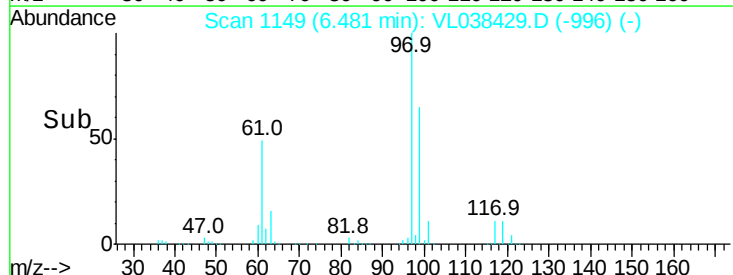
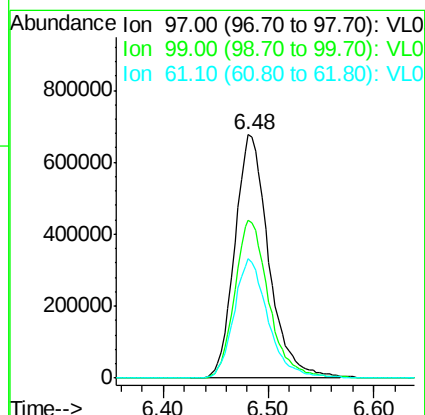
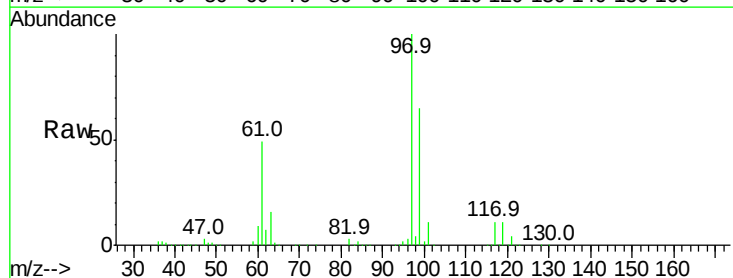
Tgt Ion: 97 Resp: 1507597

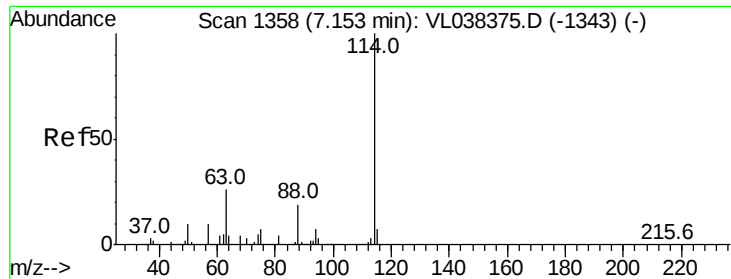
Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

61 49.5 40.5 60.7

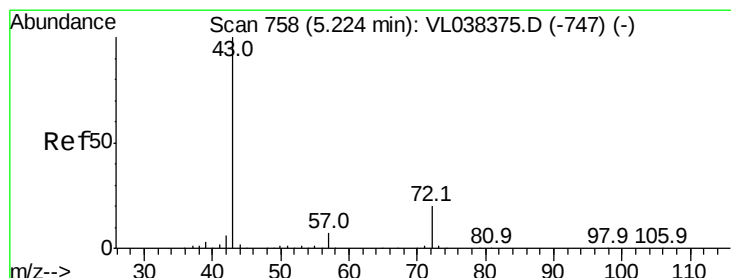
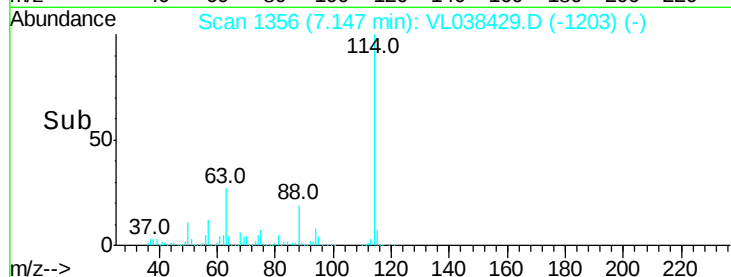
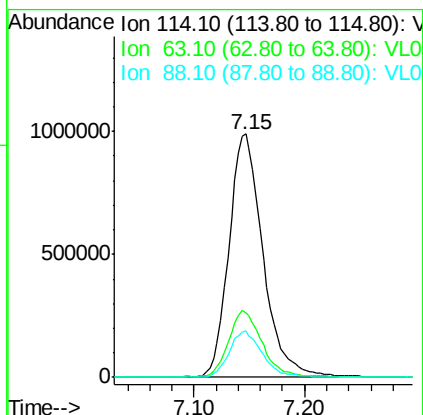
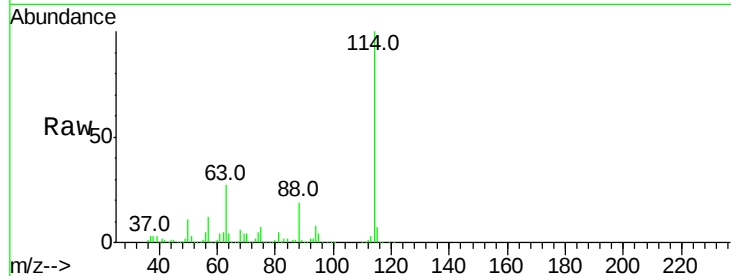




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

Tgt Ion:114 Resp: 2115167

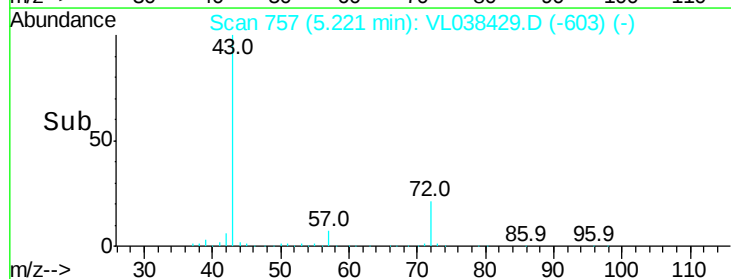
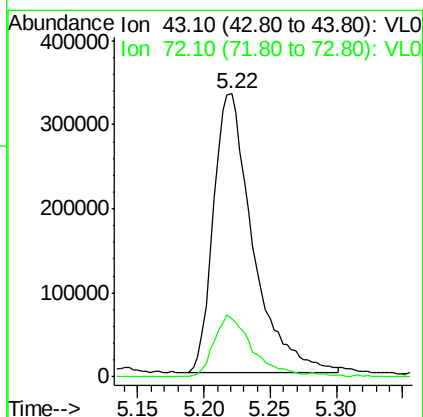
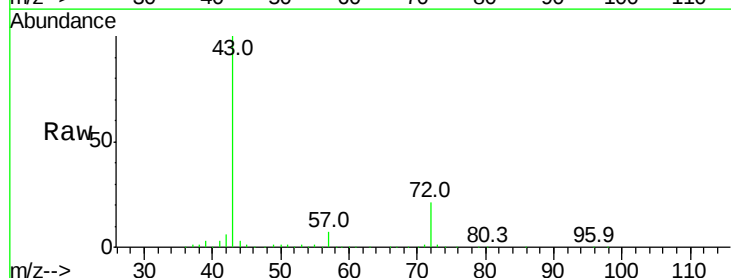
Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.2
88	18.8	15.2	22.8

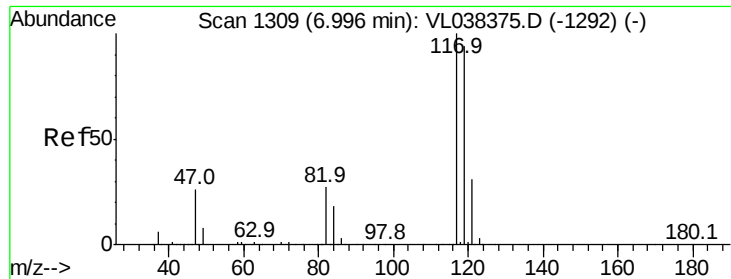


#34
 2-Butanone
 Concen: 10.35 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion: 43 Resp: 688714

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.2





#35

Carbon Tetrachloride

Concen: 10.35 ppbv

RT: 6.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Feb 2022 5:17

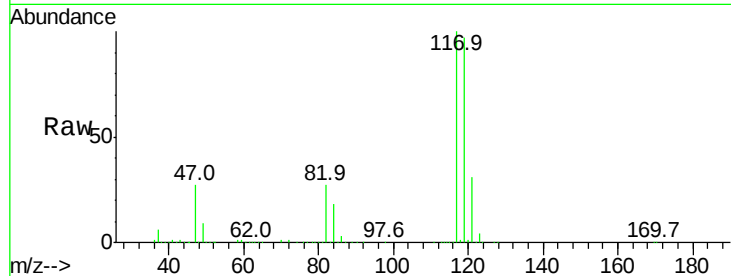
Tgt Ion: 117 Resp: 1539567

Ion Ratio Lower Upper

117 100

119 96.8 74.9 112.3

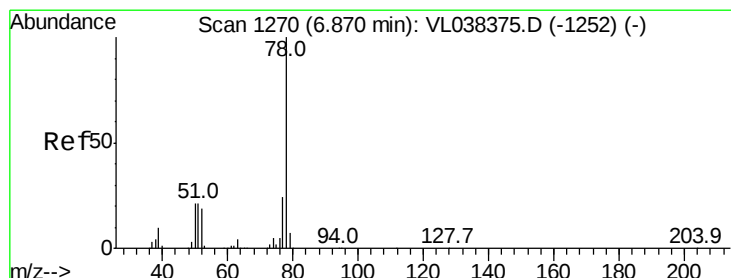
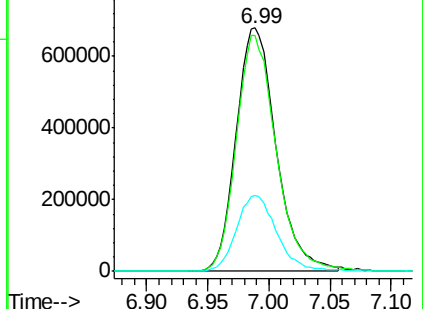
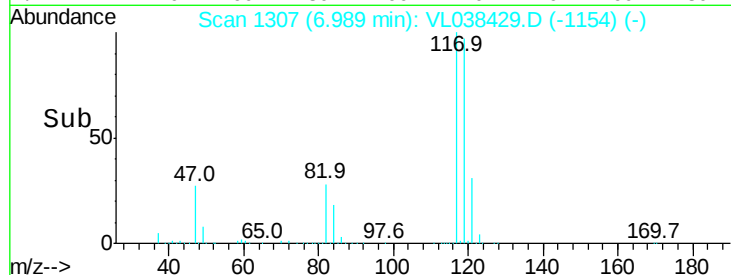
121 31.4 24.8 37.2



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: 10.43 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

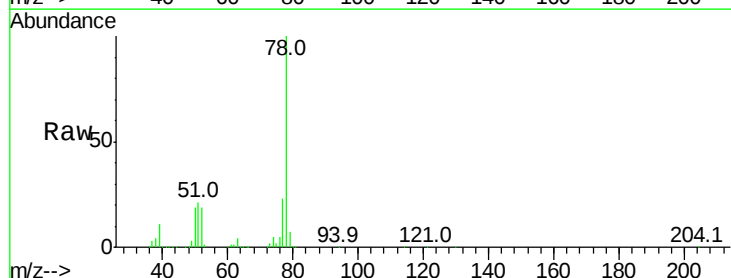
Tgt Ion: 78 Resp: 1941486

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.6

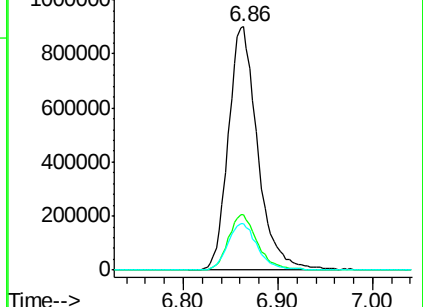
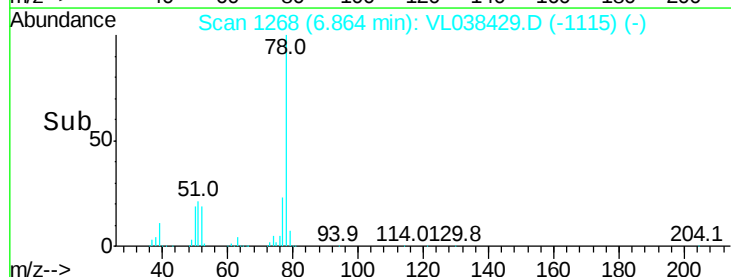
50 18.9 16.6 24.8

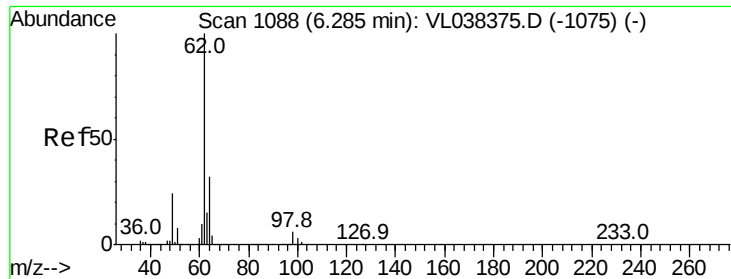


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.56 ppbv

RT: 6.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

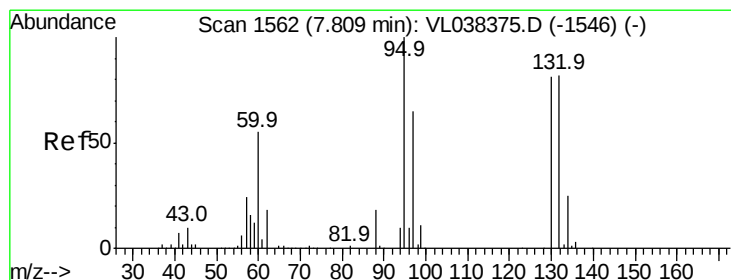
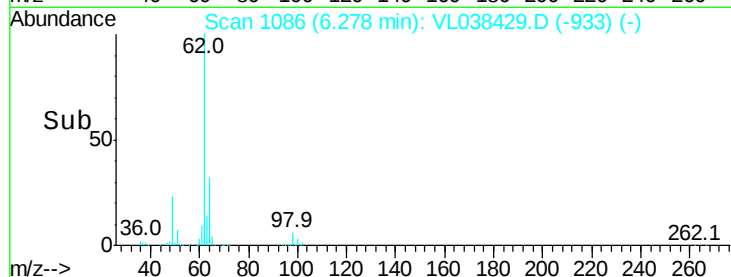
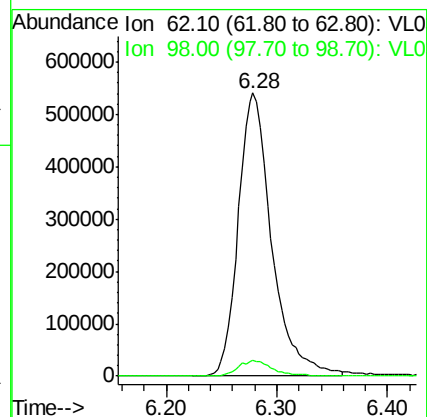
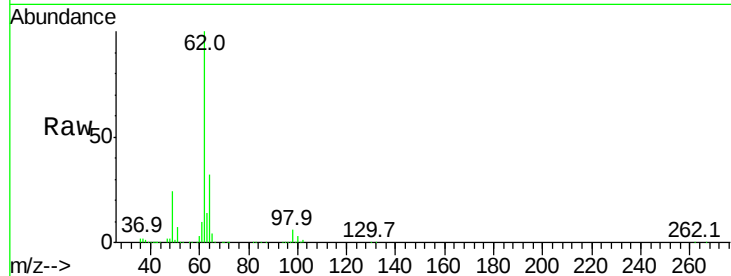
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 62 Resp: 1136490

Ion Ratio Lower Upper

62 100

98 5.7 4.6 7.0



#38

Trichloroethene

Concen: 10.20 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

Tgt Ion: 130 Resp: 692002

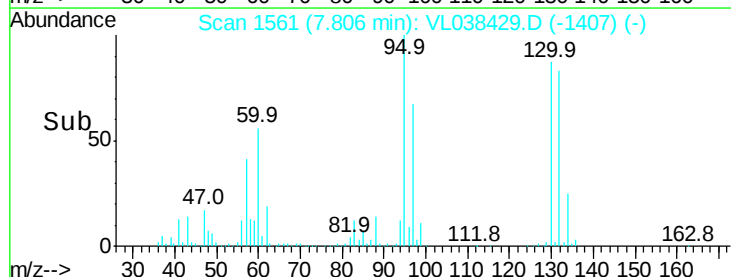
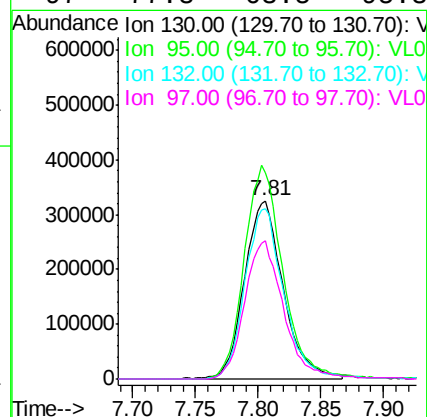
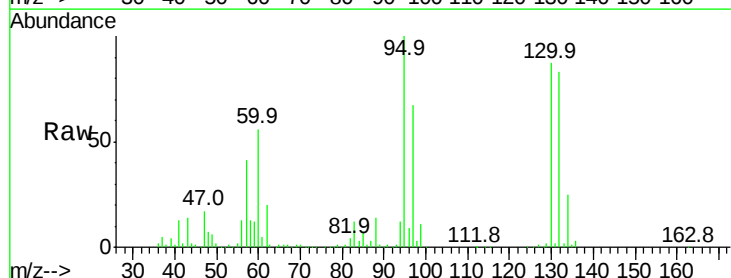
Ion Ratio Lower Upper

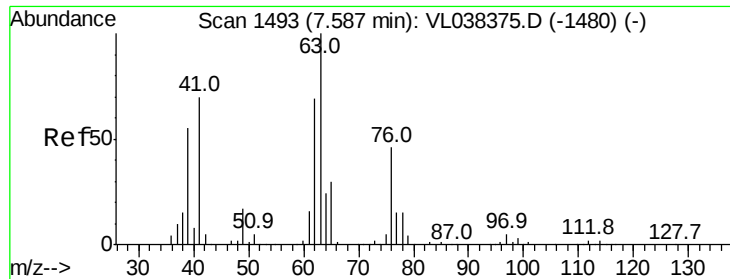
130 100

95 115.6 98.1 147.1

132 95.8 80.3 120.5

97 77.8 63.5 95.3





#39

1,2-Dichloropropane

Concen: 10.27 ppbv

RT: 7.58 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17 VSTDCCC010EC

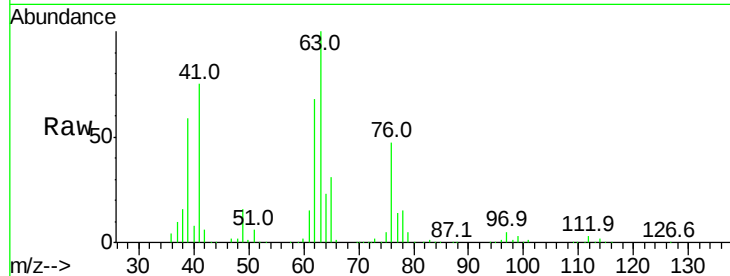
Tgt Ion: 63 Resp: 761353

Ion Ratio Lower Upper

63 100

41 75.1 56.1 84.1

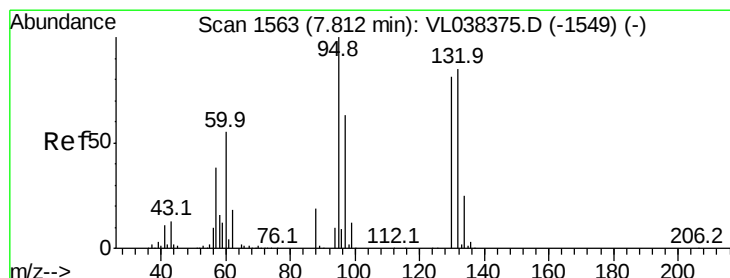
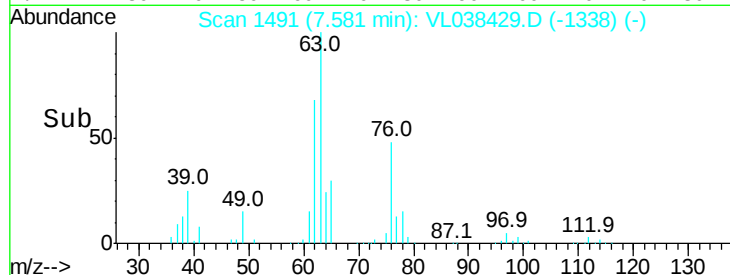
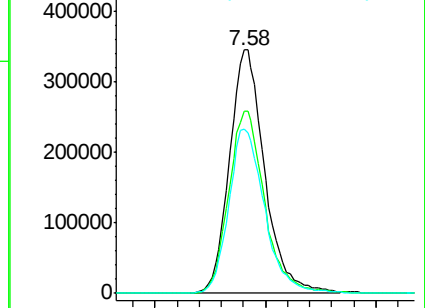
62 67.7 55.5 83.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 7.33 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

Tgt Ion: 88 Resp: 128885

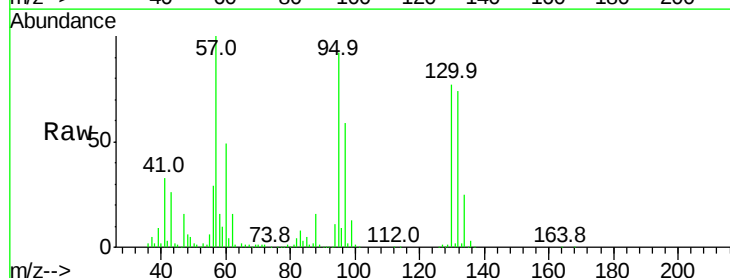
Ion Ratio Lower Upper

88 100

58 0.0 133.2 199.8#

43 0.0 330.6 496.0#

57 0.0 1462.7 2194.1#

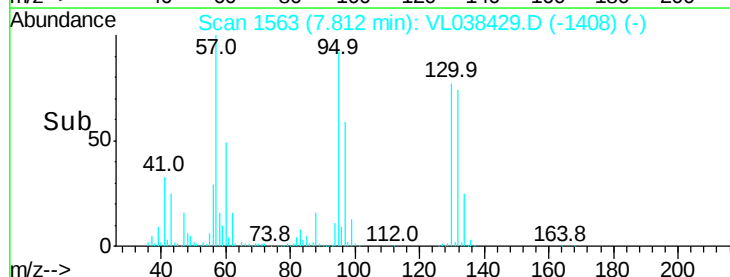
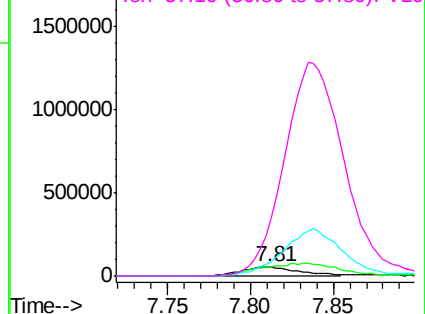


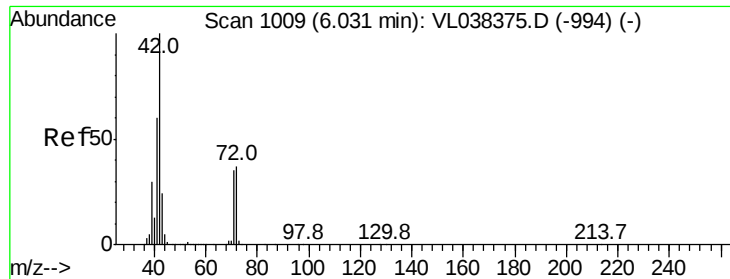
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.66 ppbv

RT: 6.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17

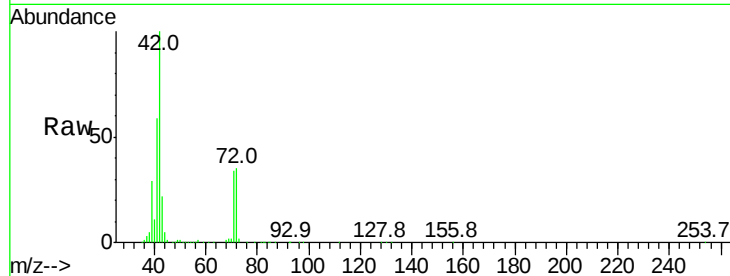
Tgt Ion: 42 Resp: 479236

Ion Ratio Lower Upper

42 100

72 36.3 29.9 44.9

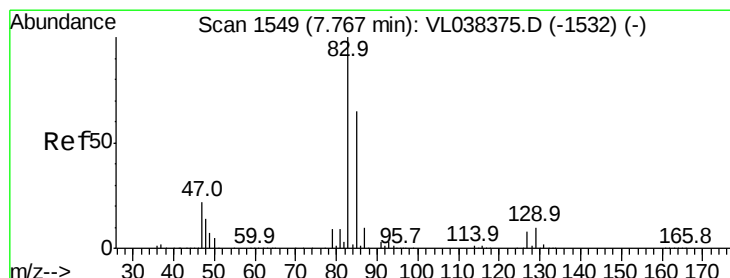
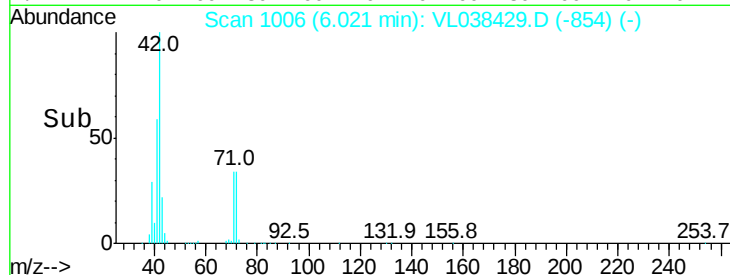
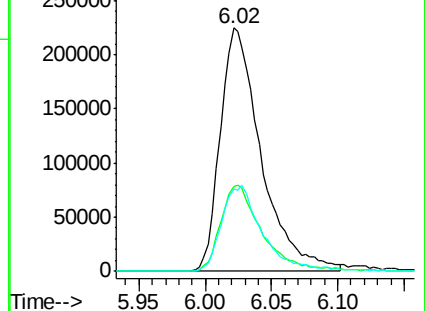
71 35.8 28.6 42.8



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: 10.59 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

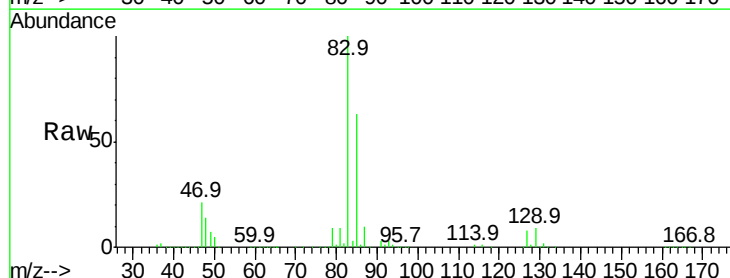
Tgt Ion: 83 Resp: 1645383

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.4

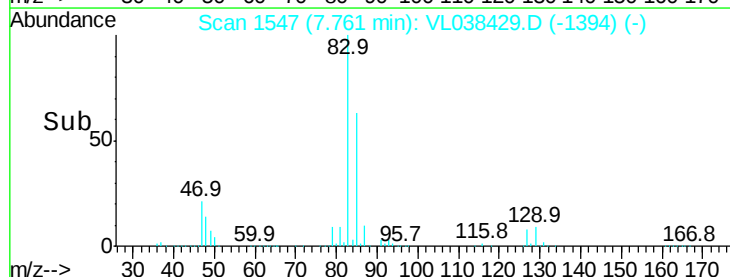
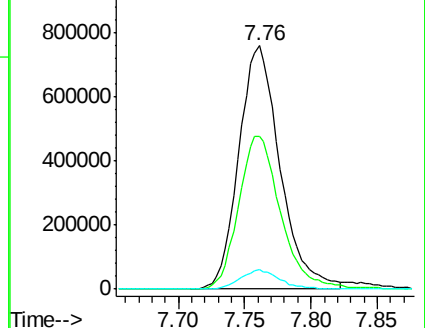
127 7.8 6.2 9.4

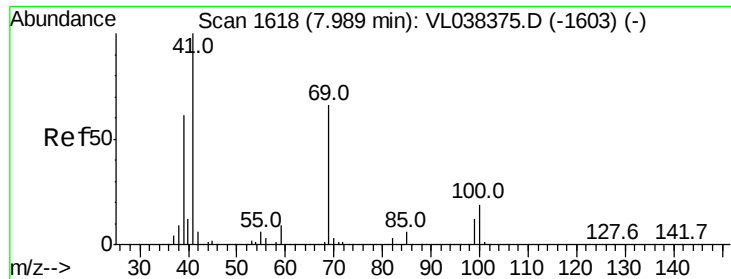


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.15 ppbv

RT: 7.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17 VSTDCCC010EC

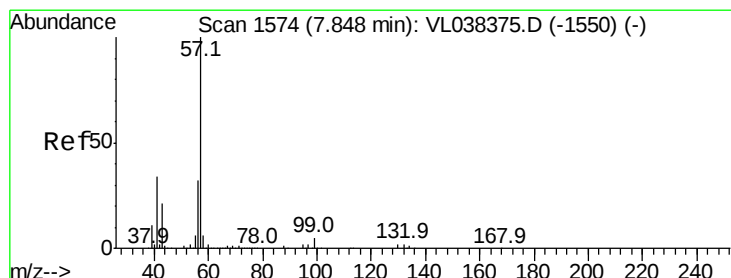
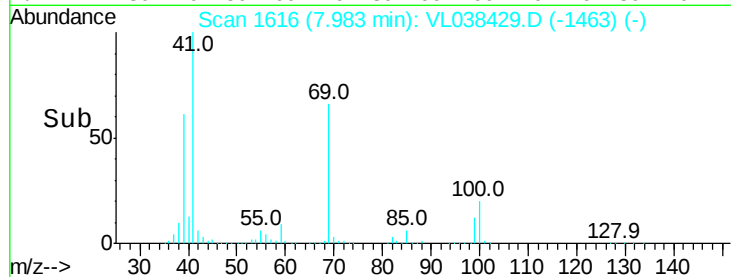
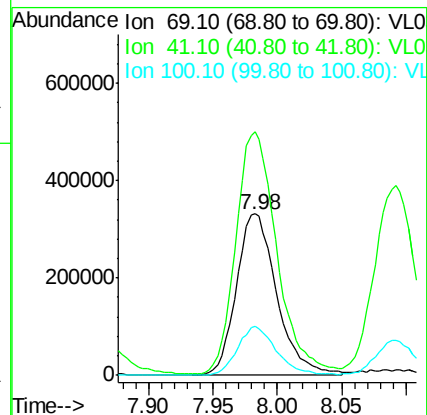
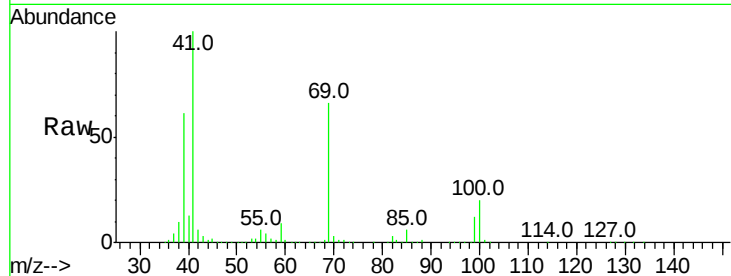
Tgt Ion: 69 Resp: 721984

Ion Ratio Lower Upper

69 100

41 154.0 122.9 184.3

100 29.5 23.6 35.4



#44

2,2,4-Trimethylpentane

Concen: 10.18 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

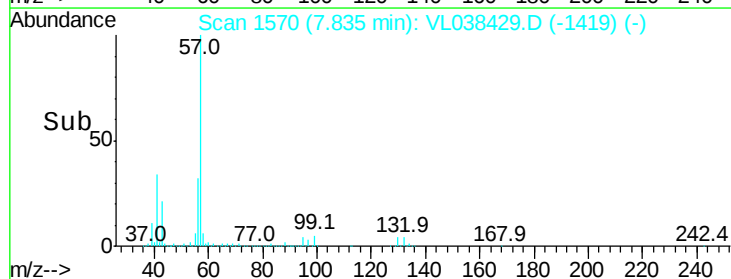
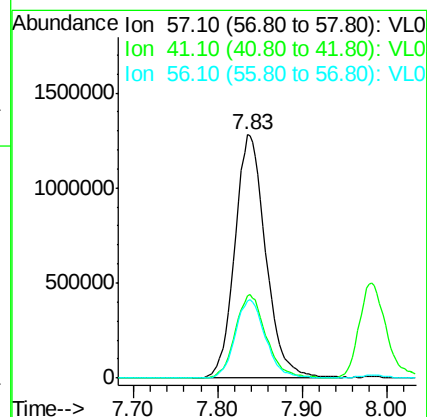
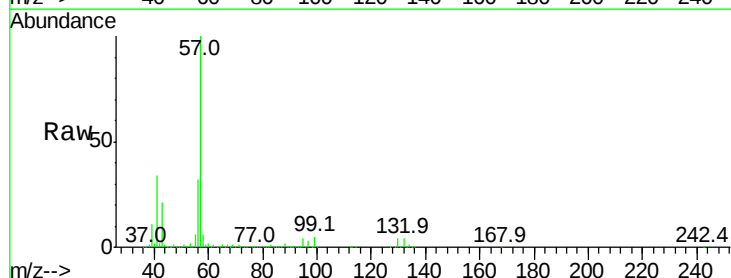
Tgt Ion: 57 Resp: 3257874

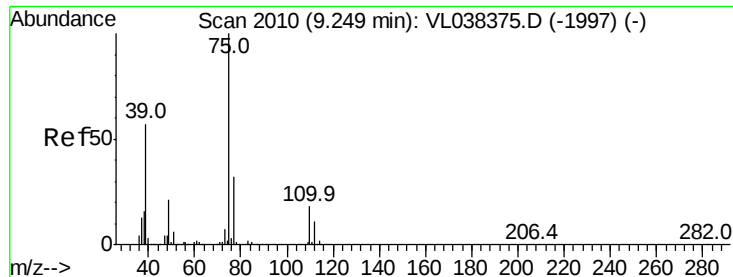
Ion Ratio Lower Upper

57 100

41 34.2 26.6 39.8

56 31.7 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.43 ppbv

RT: 9.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

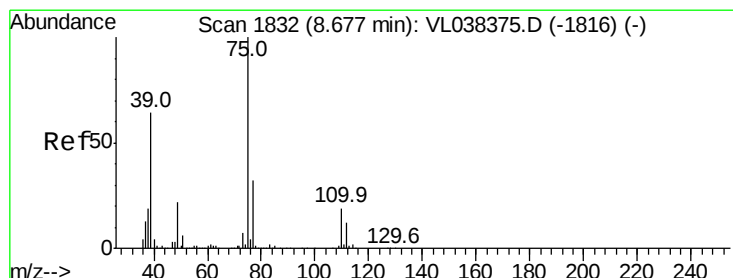
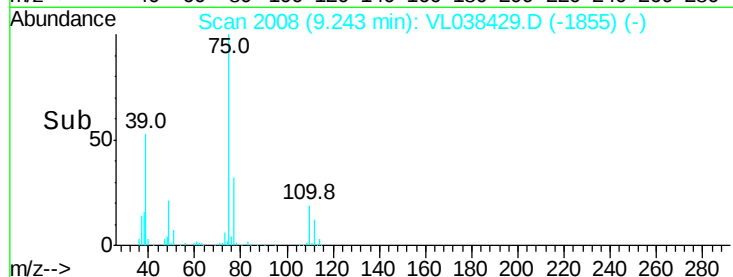
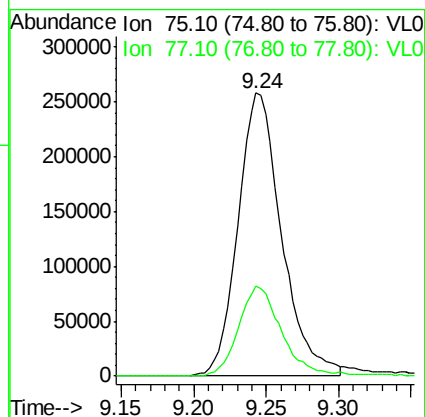
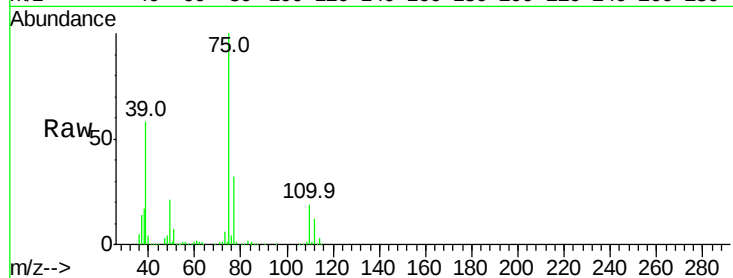
Acq: 24 Feb 2022 5:17 VSTDCCC010EC

Tgt Ion: 75 Resp: 539824

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 10.08 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

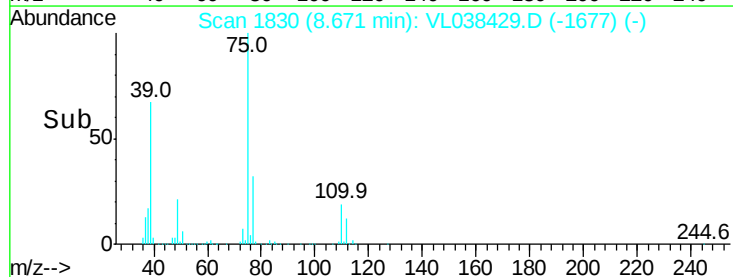
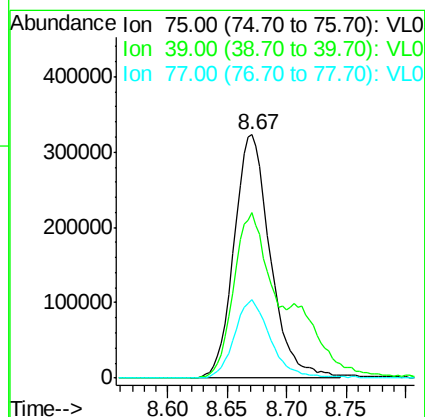
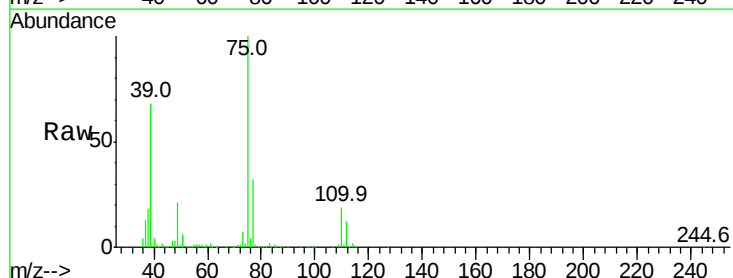
Tgt Ion: 75 Resp: 683500

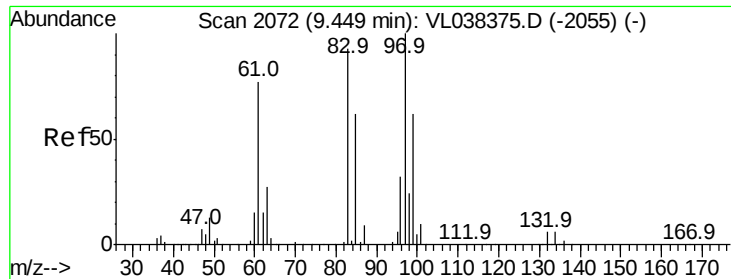
Ion Ratio Lower Upper

75 100

39 67.7 51.4 77.2

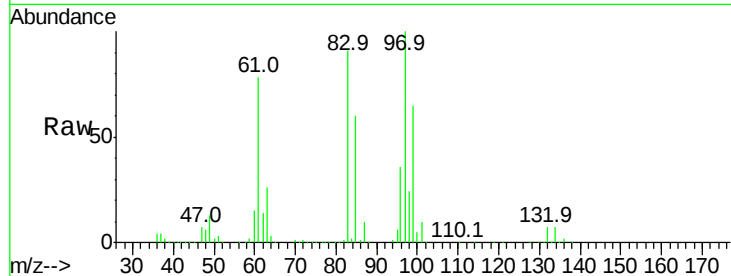
77 32.4 25.4 38.2





#47
 1,1,2-Trichloroethane
 Concen: 10.55 ppbv
 RT: 9.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

Tgt Ion:	97	Resp:	778216
Ion	Ratio	Lower	Upper
97	100		
83	91.4	74.2	111.4
85	60.1	49.8	74.8
99	65.4	49.5	74.3



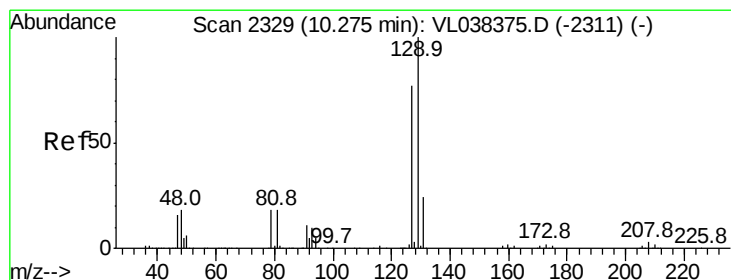
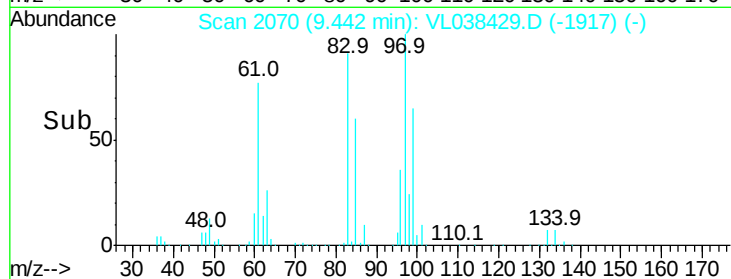
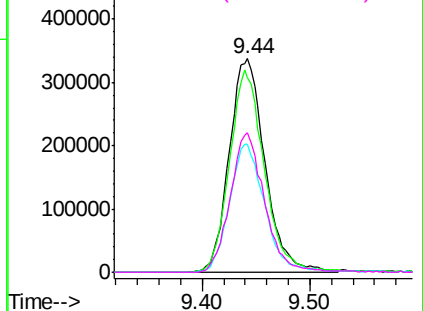
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

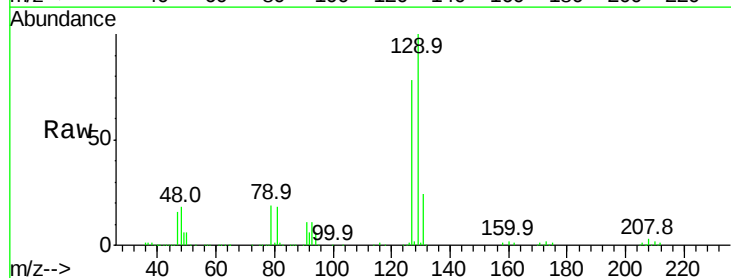
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.87 ppbv
 RT: 10.27 min Scan# 2327
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

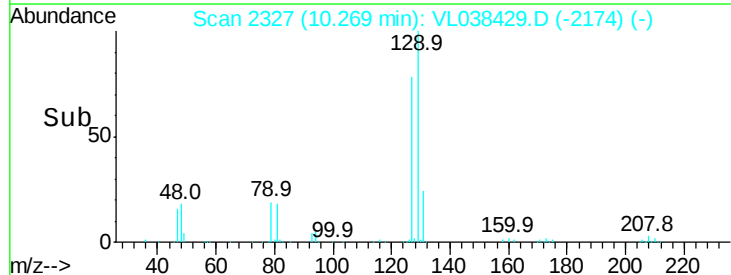
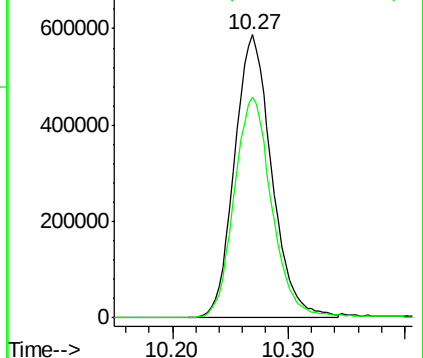
Tgt Ion:	129	Resp:	1310956
Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.4	118.1

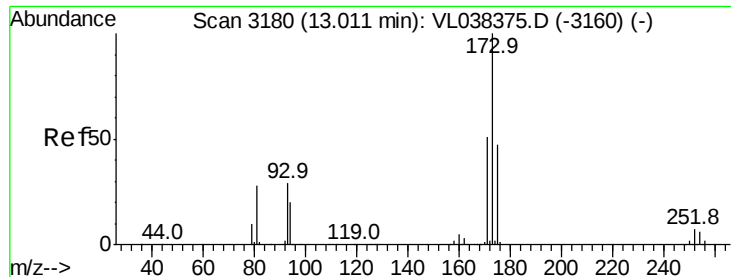


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.93 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Feb 2022 5:17

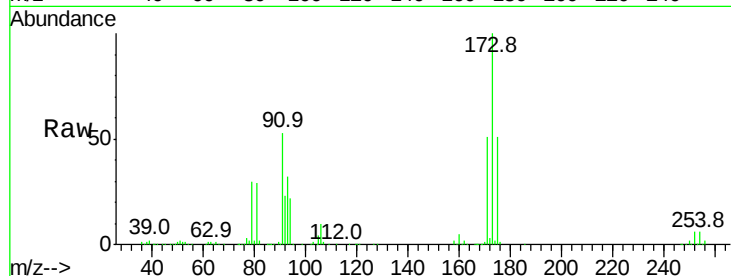
Tgt Ion: 173 Resp: 973311

Ion Ratio Lower Upper

173 100

175 51.6 40.2 60.2

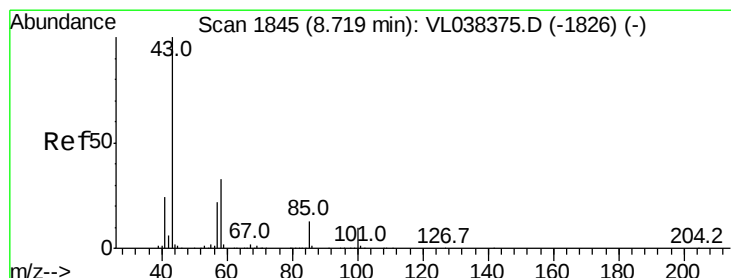
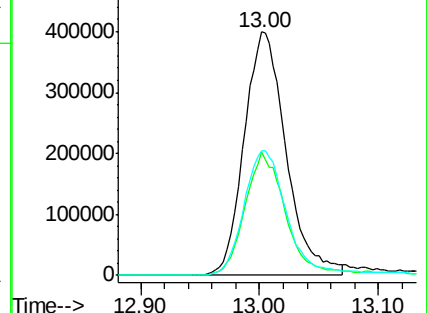
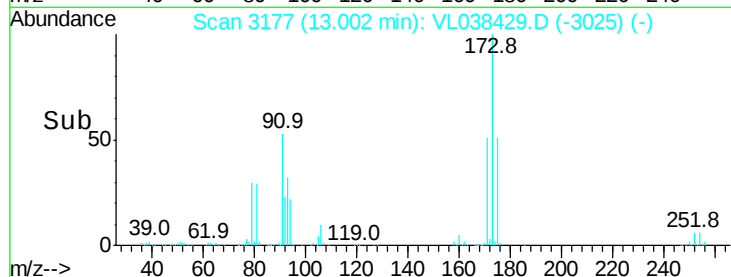
171 54.8 42.7 64.1



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: 11.23 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL038429.D

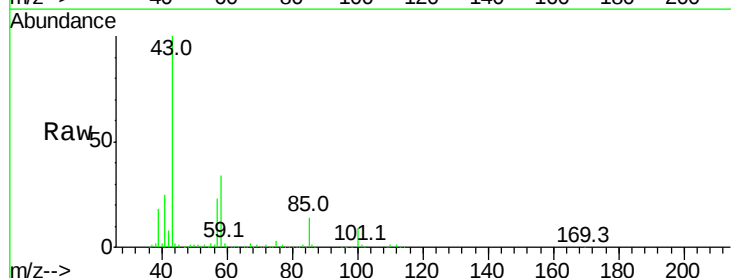
Acq: 24 Feb 2022 5:17

Tgt Ion: 43 Resp: 1321317

Ion Ratio Lower Upper

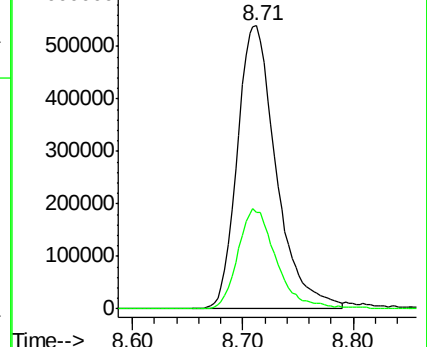
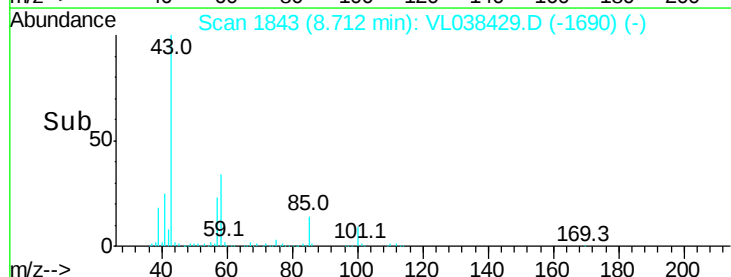
43 100

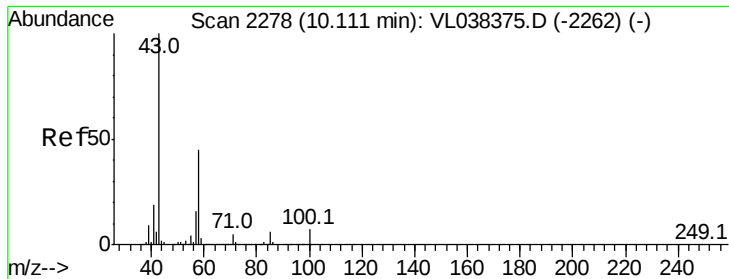
58 35.3 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.43 ppbv

RT: 10.10

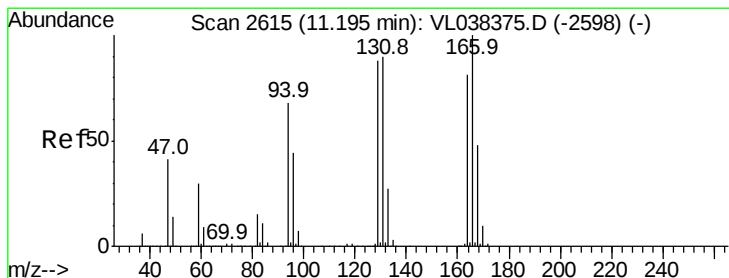
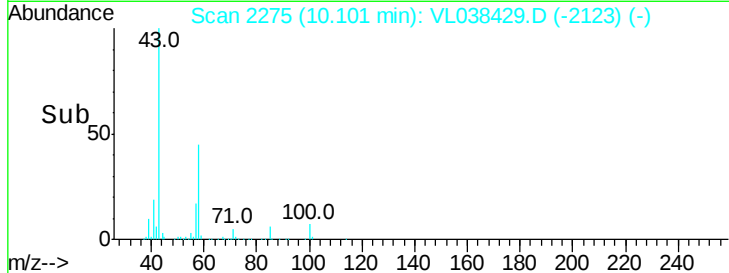
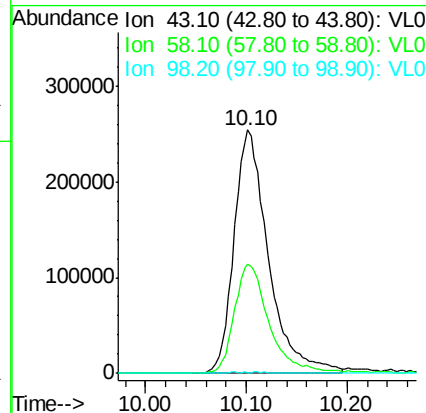
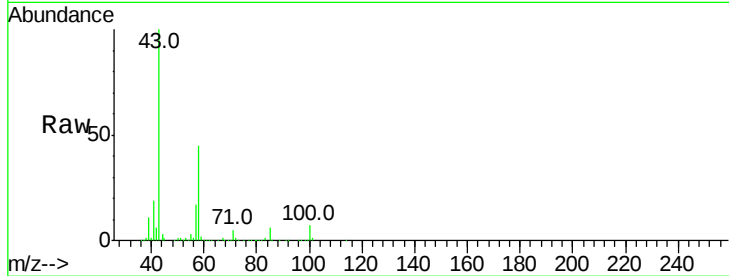
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17

Tgt Ion: 43 Resp: 601659

Ion	Ratio	Lower	Upper
43	100		
58	46.1	37.4	56.0
98	0.3	0.1	0.1#



#52

Tetrachloroethene

Concen: 9.94 ppbv

RT: 11.19 min Scan# 2612

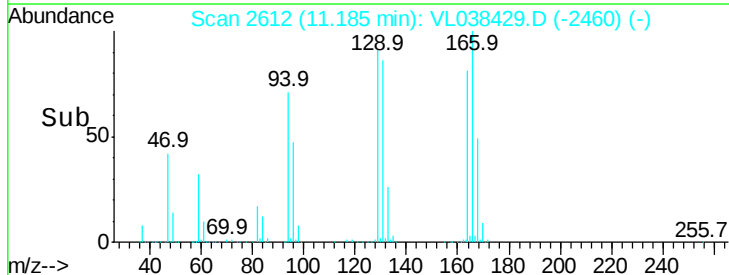
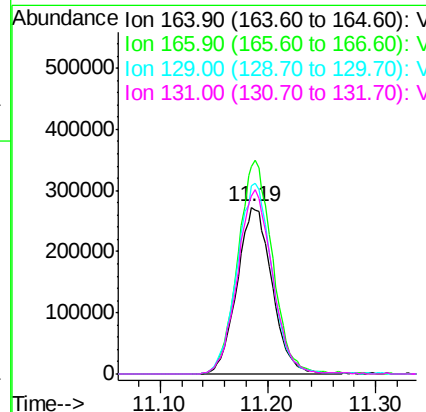
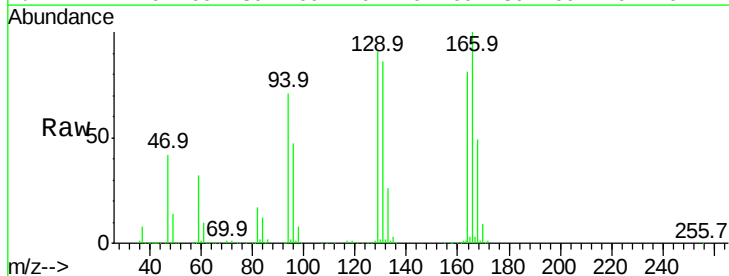
Delta R.T. -0.01 min

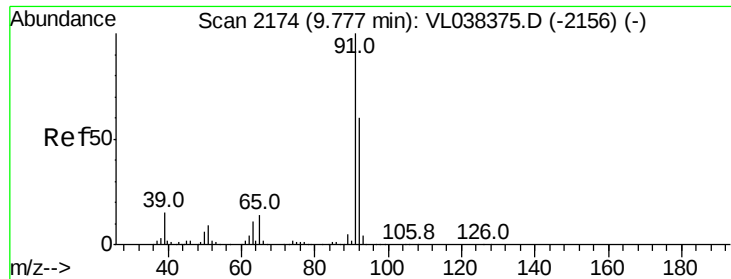
Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

Tgt Ion: 164 Resp: 614277

Ion	Ratio	Lower	Upper
164	100		
166	123.9	98.6	148.0
129	112.8	86.9	130.3
131	106.5	88.6	133.0





#53

Toluene

Concen: 10.71 ppbv

RT: 9.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

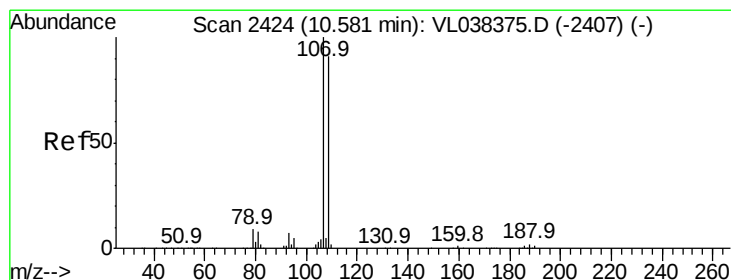
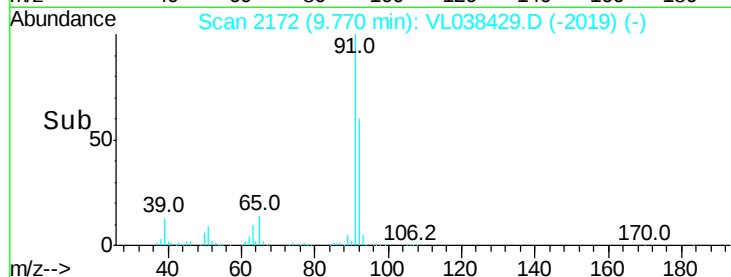
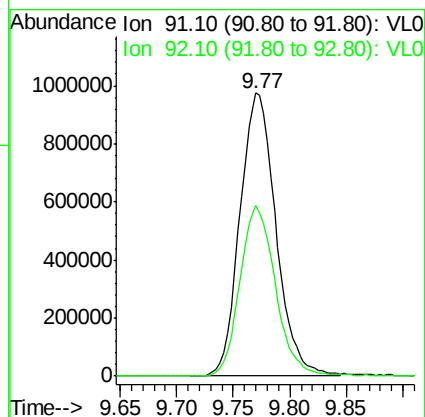
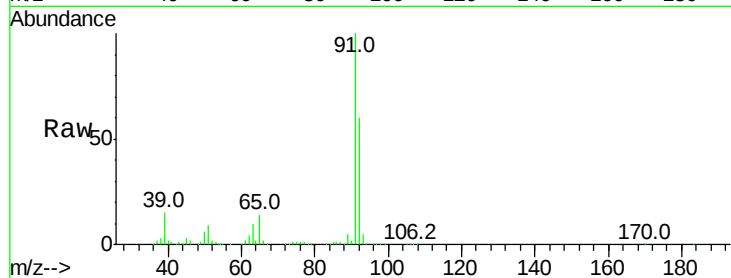
Acq: 24 Feb 2022 5:17

Tgt Ion: 91 Resp: 2164561

Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.95 ppbv

RT: 10.57 min Scan# 2422

Delta R.T. -0.01 min

Lab File: VL038429.D

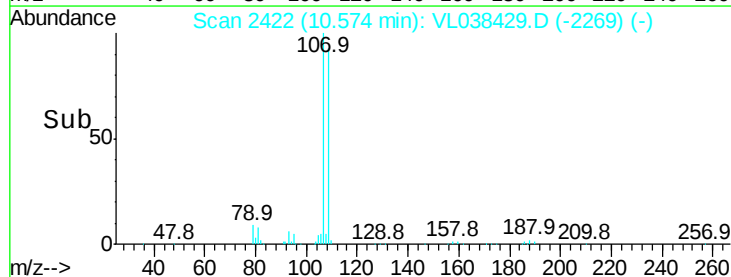
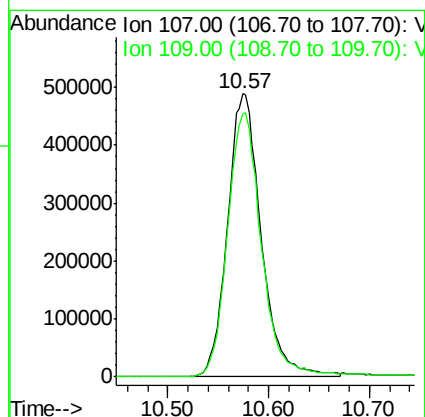
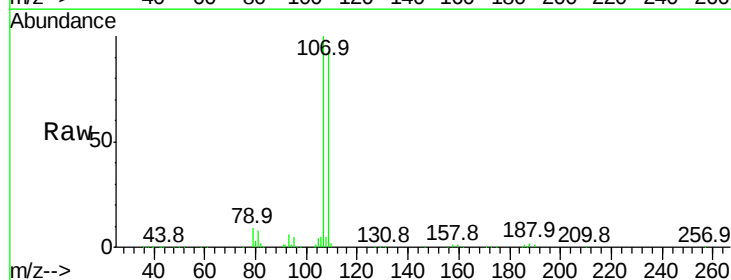
Acq: 24 Feb 2022 5:17

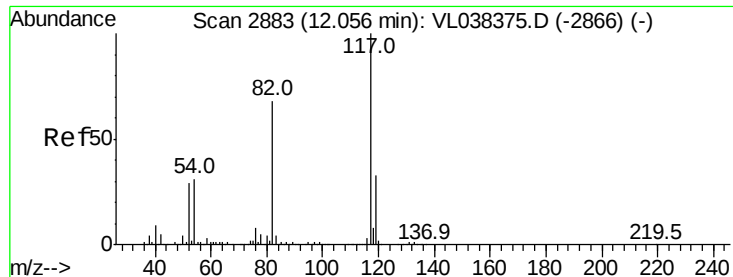
Tgt Ion: 107 Resp: 1137266

Ion Ratio Lower Upper

107 100

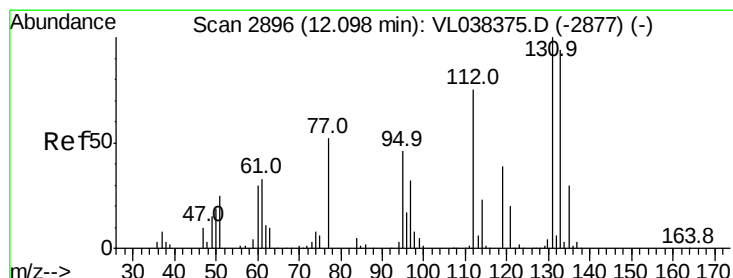
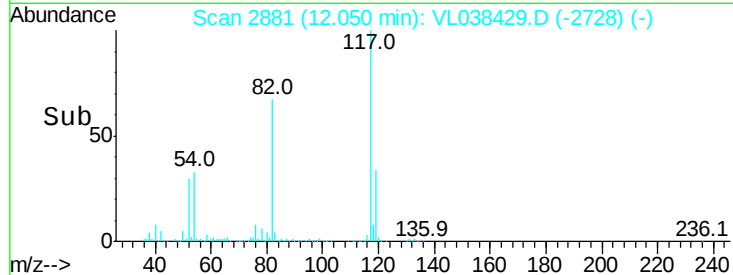
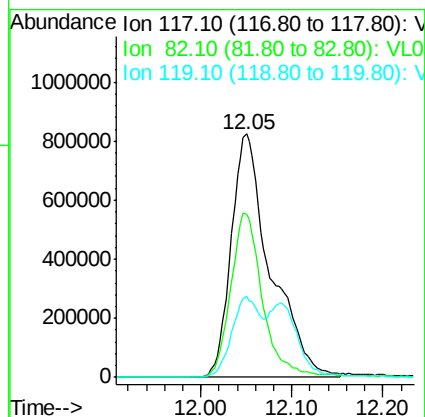
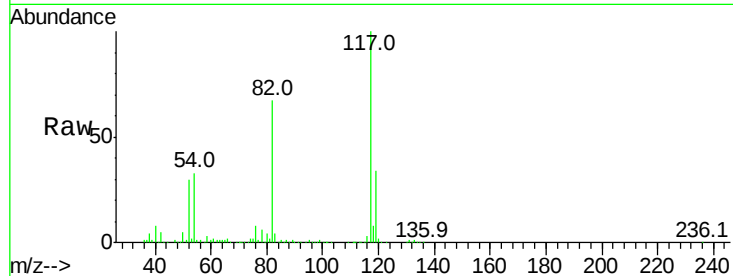
109 93.0 73.0 109.6





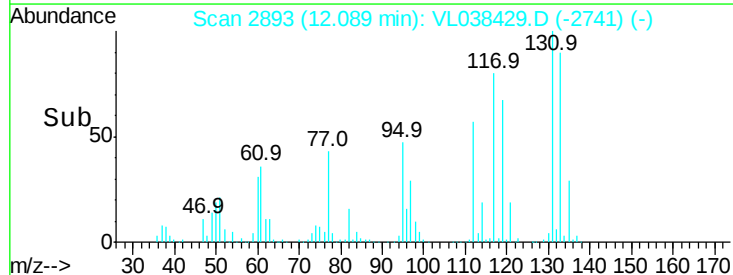
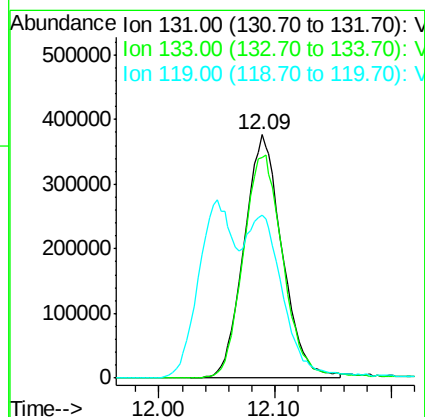
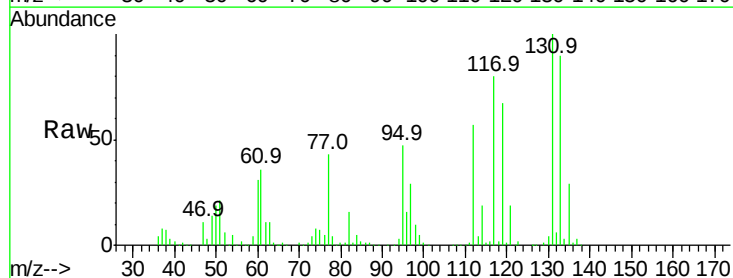
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 24 Feb 2022 5:17

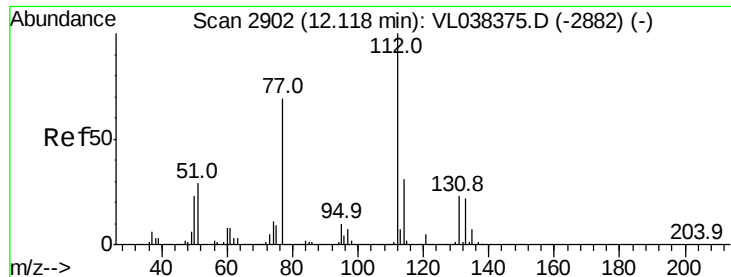
Tgt Ion:117 Resp: 2466575
Ion Ratio Lower Upper
117 100
82 55.9 54.9 82.3
119 22.5 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.39 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL038429.D
Acq: 24 Feb 2022 5:17

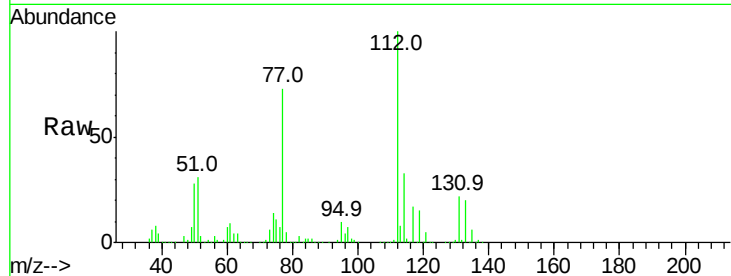
Tgt Ion:131 Resp: 862663
Ion Ratio Lower Upper
131 100
133 97.4 77.3 115.9
119 73.9 48.6 73.0#



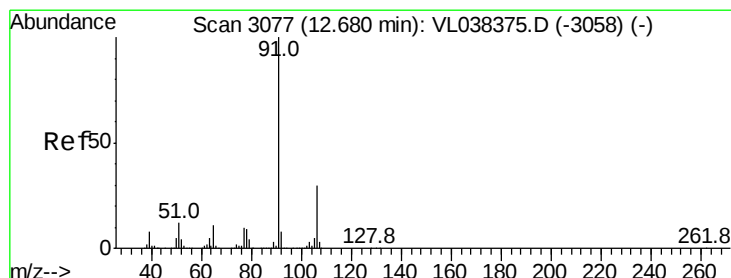
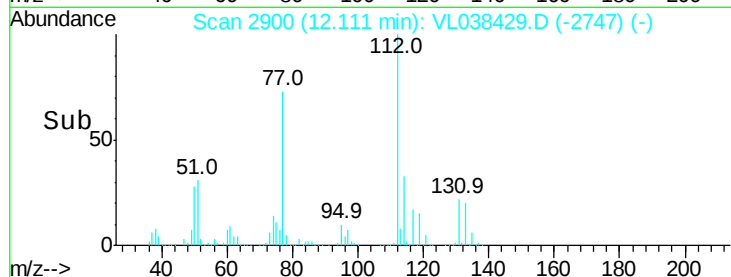
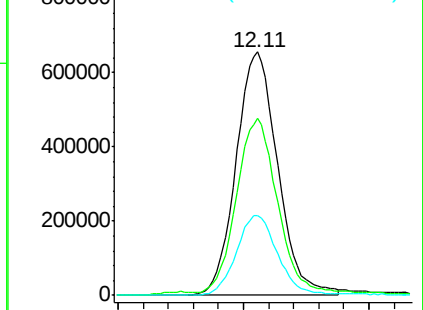


#57
Chlorobenzene
Concen: 7.92 ppbv
RT: 12.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 24 Feb 2022 5:17

Tgt Ion: 112 Resp: 1507166
Ion Ratio Lower Upper
112 100
77 71.3 55.2 82.8
114 32.5 27.9 34.1

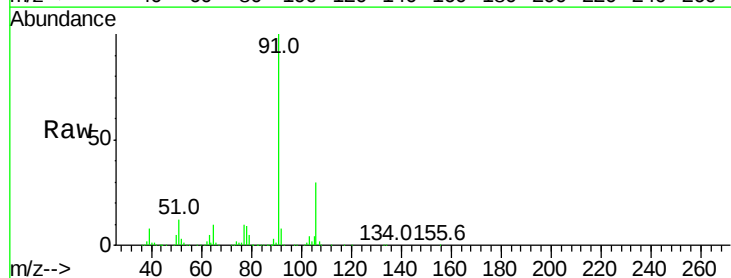


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

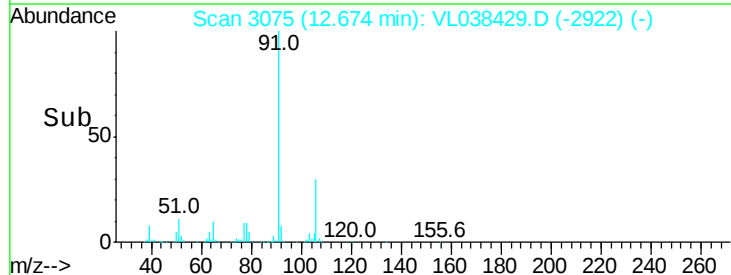
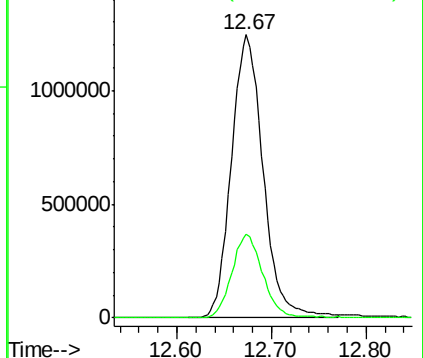


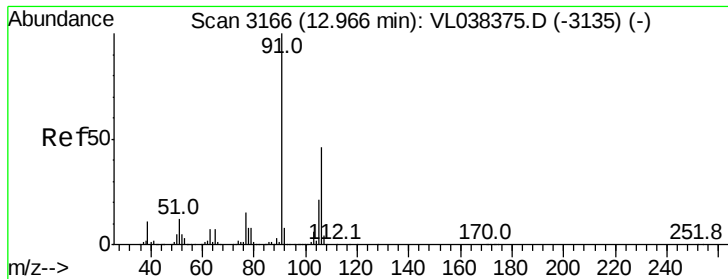
#58
Ethyl Benzene
Concen: 8.62 ppbv
RT: 12.67 min Scan# 3075
Delta R.T. -0.01 min
Lab File: VL038429.D
Acq: 24 Feb 2022 5:17

Tgt Ion: 91 Resp: 2906314
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0



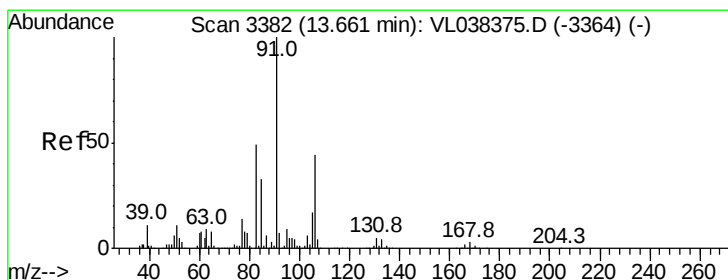
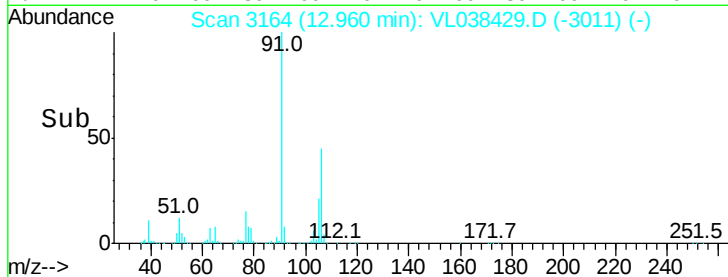
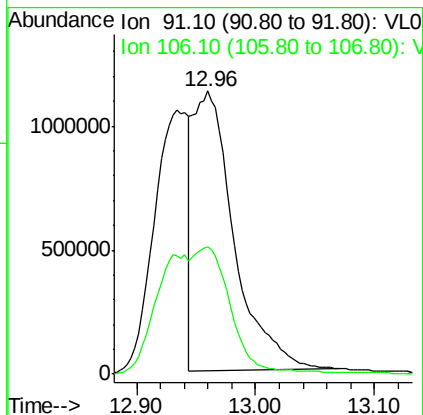
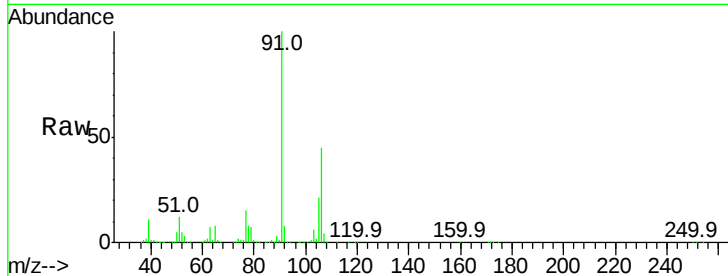
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





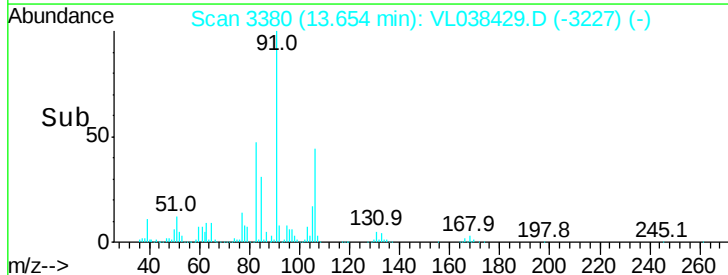
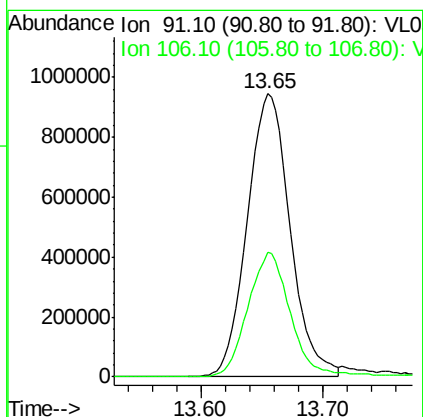
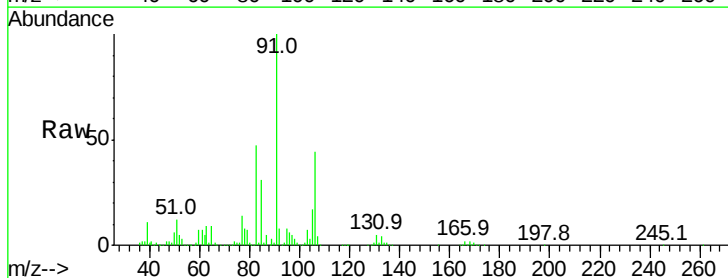
#59
m/p-Xylene
Concen: 9.32 ppbv
RT: 12.96 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 24 Feb 2022 5:17

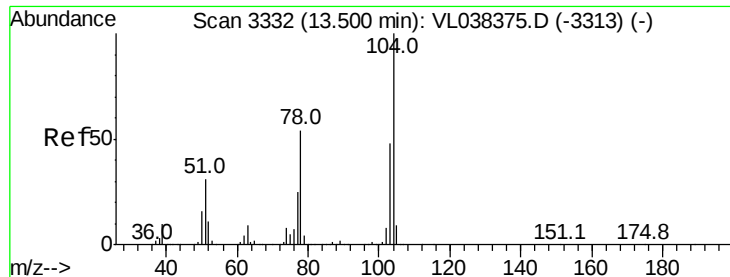
Tgt Ion: 91 Resp: 2700799
Ion Ratio Lower Upper
91 100
106 78.0 34.4 51.6#



#60
o-Xylene
Concen: 8.37 ppbv
RT: 13.65 min Scan# 3380
Delta R.T.: -0.01 min
Lab File: VL038429.D
Acq: 24 Feb 2022 5:17

Tgt Ion: 91 Resp: 2292738
Ion Ratio Lower Upper
91 100
106 45.0 21.9 65.5





#61

Styrene

Concen: 9.01 ppbv

RT: 13.49

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17

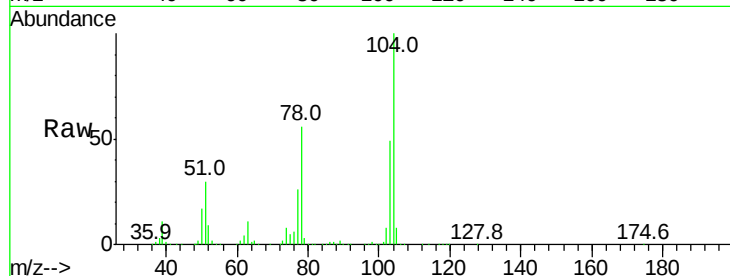
Tgt Ion:104 Resp: 1137561

Ion Ratio Lower Upper

104 100

78 57.2 44.2 66.4

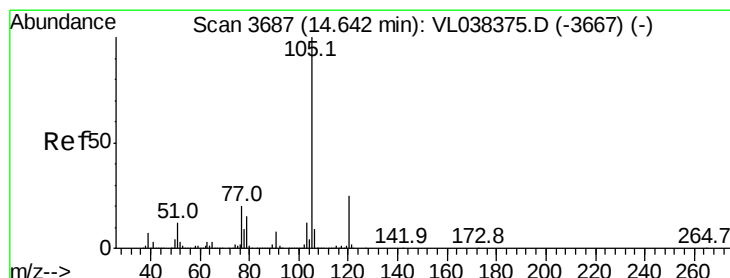
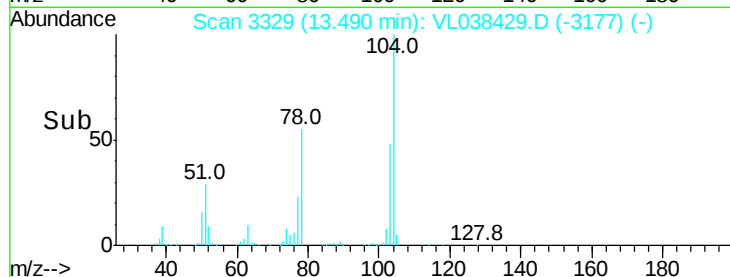
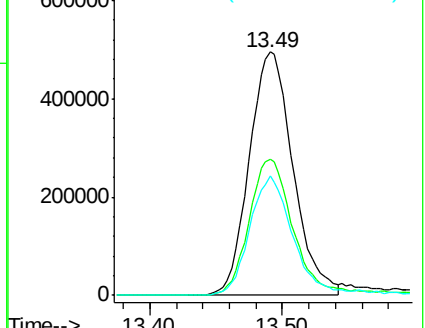
103 49.5 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.39 ppbv

RT: 14.63 min Scan# 3683

Delta R.T. -0.01 min

Lab File: VL038429.D

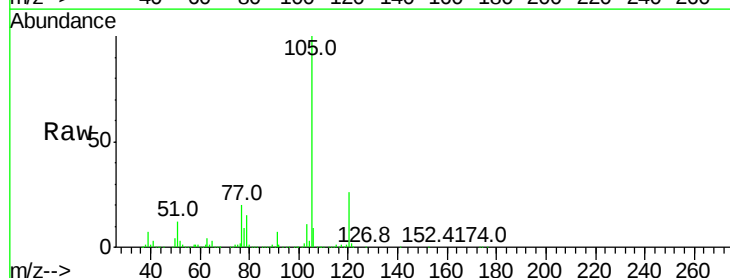
Acq: 24 Feb 2022 5:17

Tgt Ion:105 Resp: 3083709

Ion Ratio Lower Upper

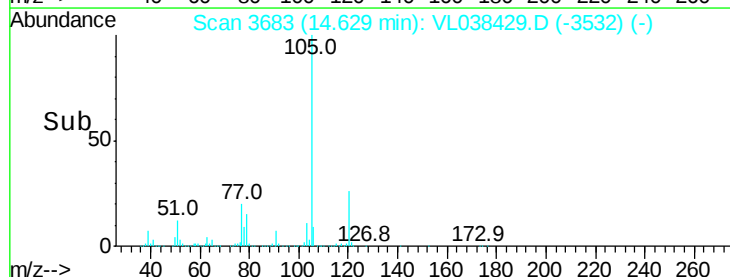
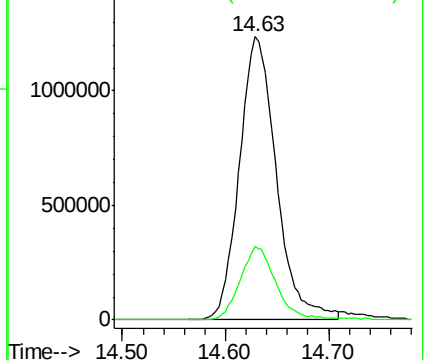
105 100

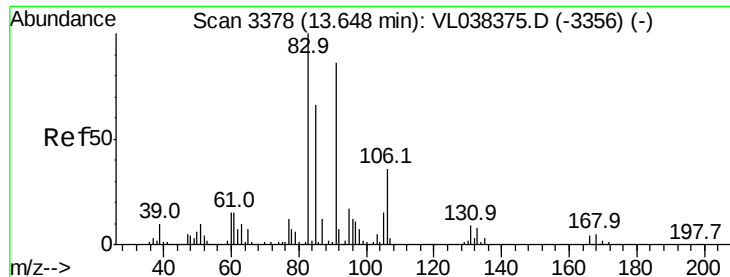
120 25.6 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

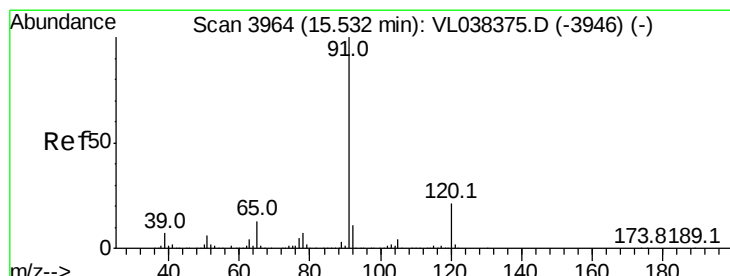
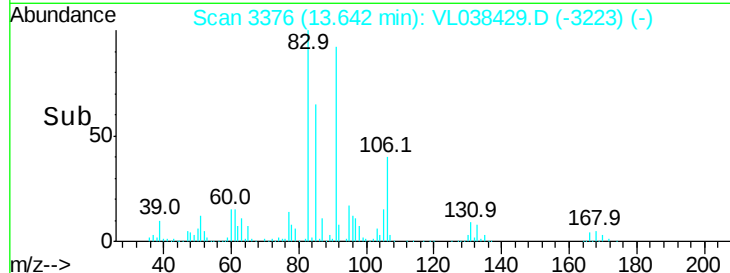
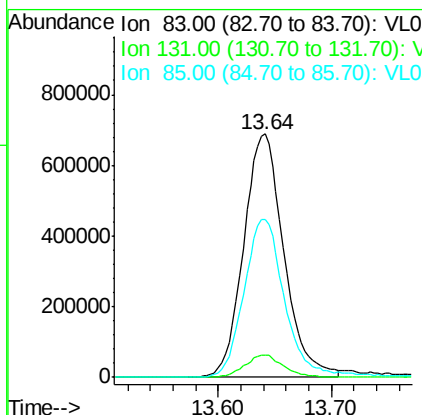
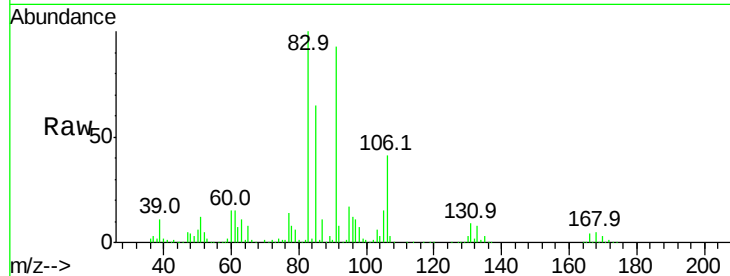
Ion 120.20 (119.90 to 120.90): V





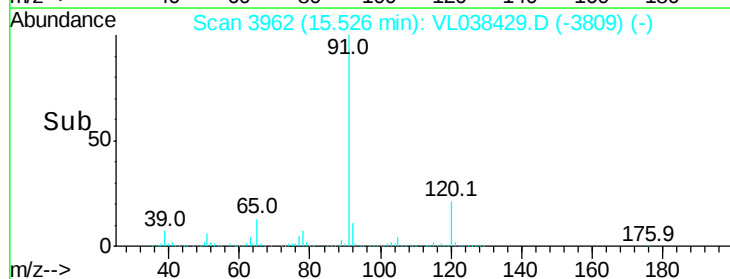
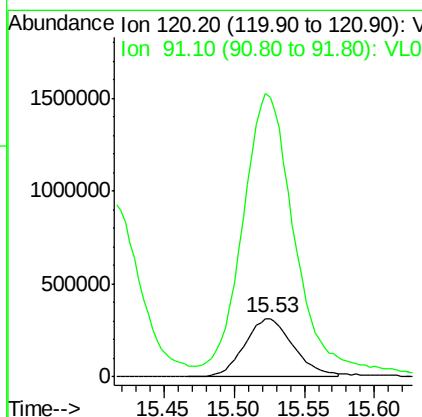
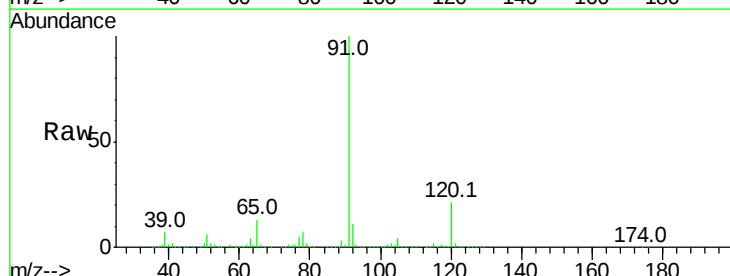
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.61 ppbv
 RT: 13.64 min
 Delta R.T.: 0.01 min
 Lab File: VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

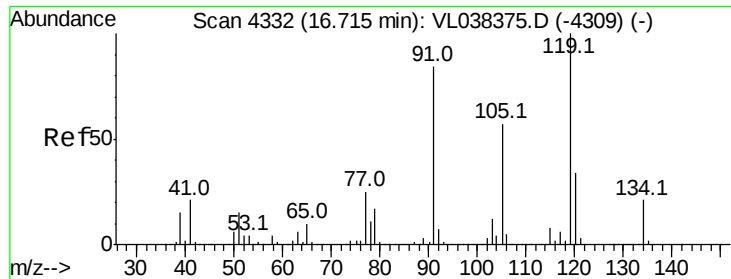
Tgt Ion: 83 Resp: 1692107
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.7
 85 67.7 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.35 ppbv
 RT: 15.53 min Scan# 3962
 Delta R.T.: -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion: 120 Resp: 760051
 Ion Ratio Lower Upper
 120 100
 91 532.0 388.1 582.1

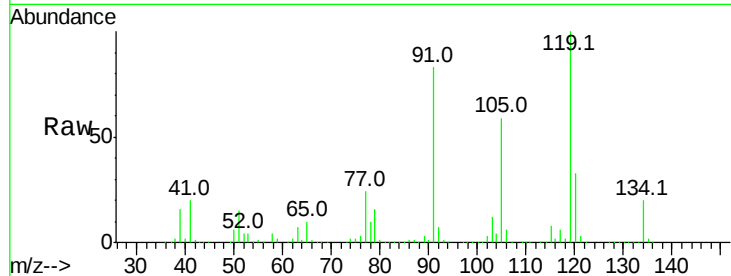




#65
 tert-Butylbenzene
 Concen: 8.49 ppbv
 RT: 16.71 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

Tgt Ion: 119 Resp: 2703709

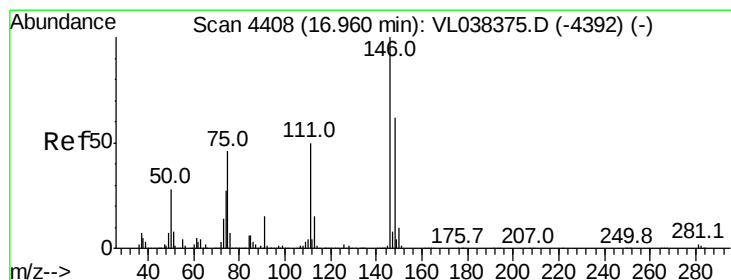
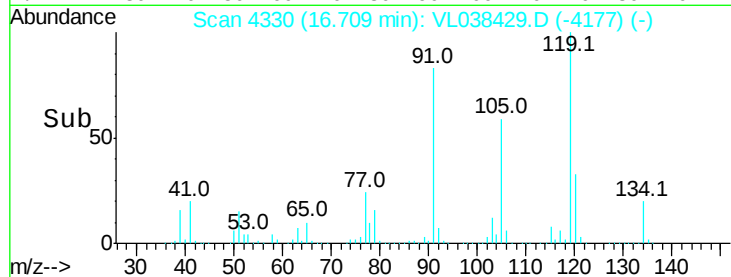
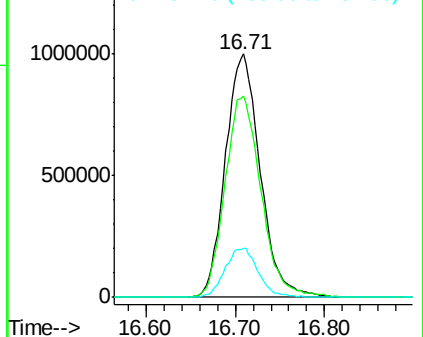
Ion	Ratio	Lower	Upper
119	100		
91	85.6	68.0	102.0
134	19.5	15.8	23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

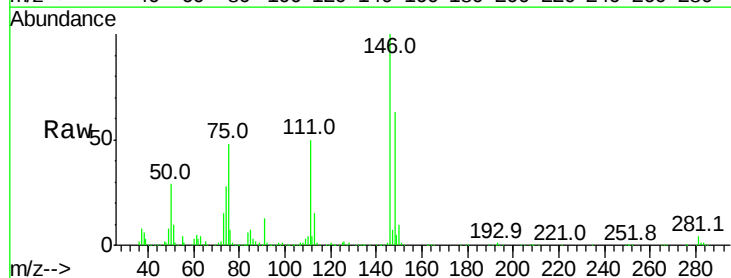
Ion 134.20 (133.90 to 134.90): V



#66
 Benzyl Chloride
 Concen: 7.97 ppbv
 RT: 16.95 min Scan# 4405
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion: 91 Resp: 137093

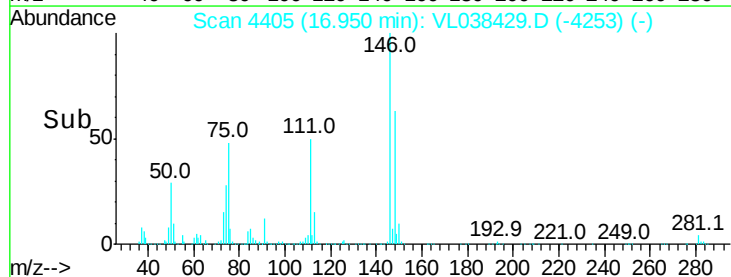
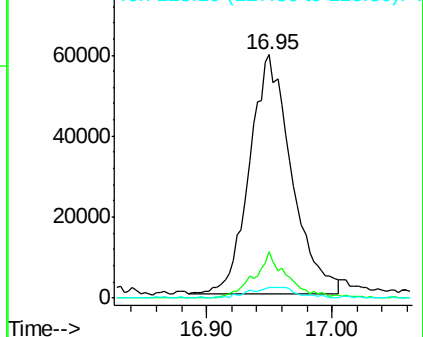
Ion	Ratio	Lower	Upper
91	100		
126	15.9	12.3	18.5
128	5.6	4.2	6.4

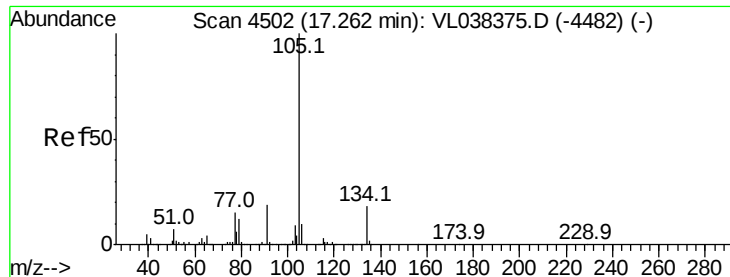


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.51 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

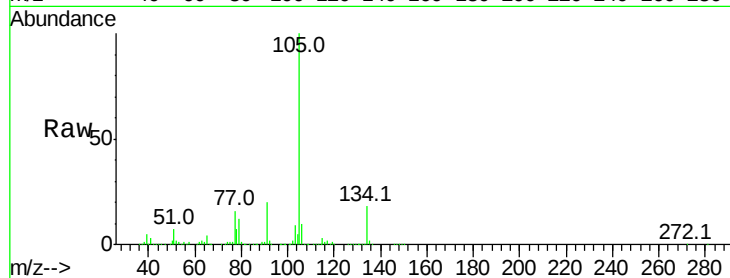
Acq: 24 Feb 2022 5:17

Tgt Ion: 105 Resp: 3839954

Ion Ratio Lower Upper

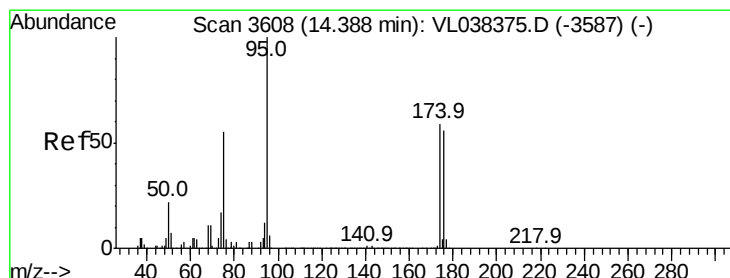
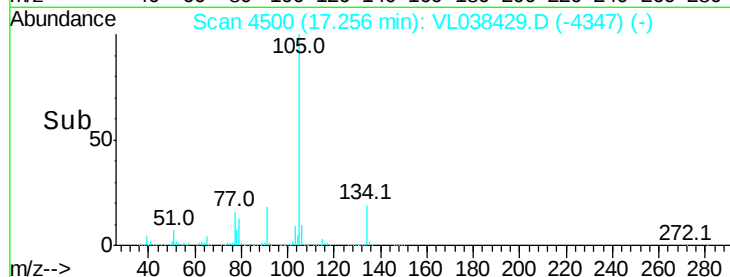
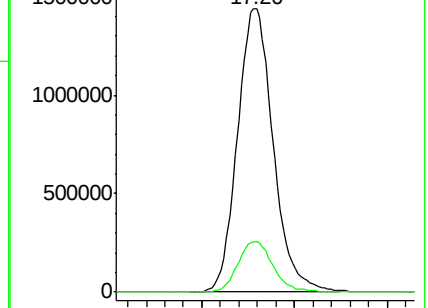
105 100

134 17.7 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.70 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

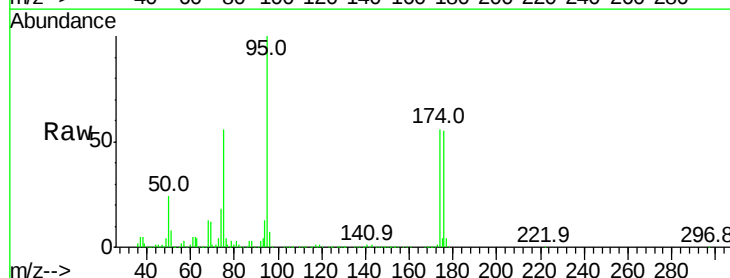
Tgt Ion: 95 Resp: 1570848

Ion Ratio Lower Upper

95 100

174 61.7 49.0 73.4

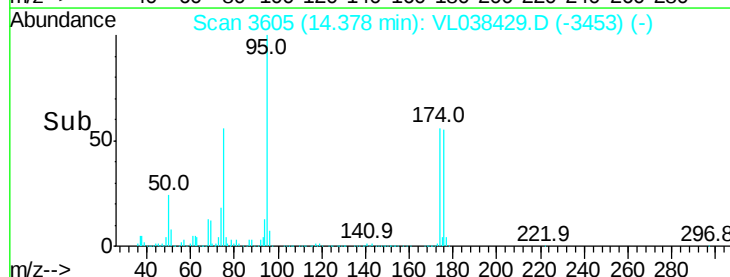
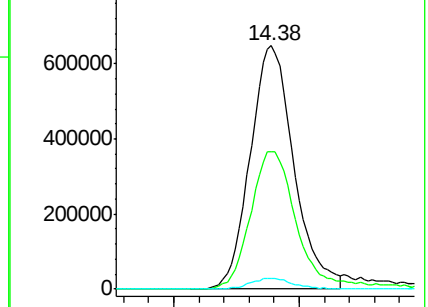
175 4.8 3.6 5.4

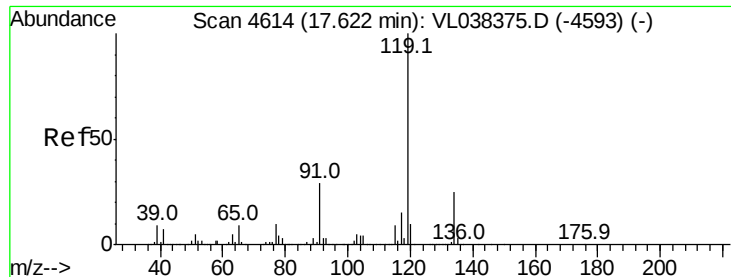


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

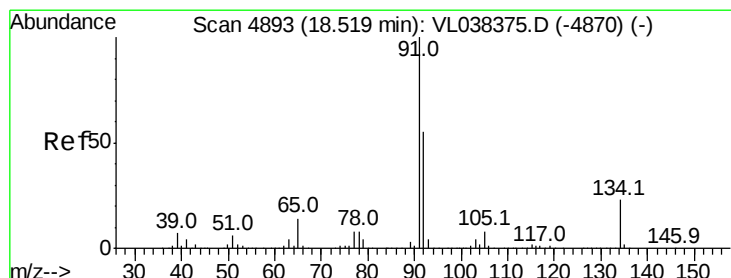
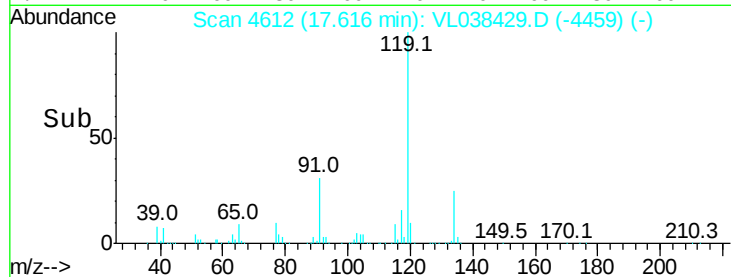
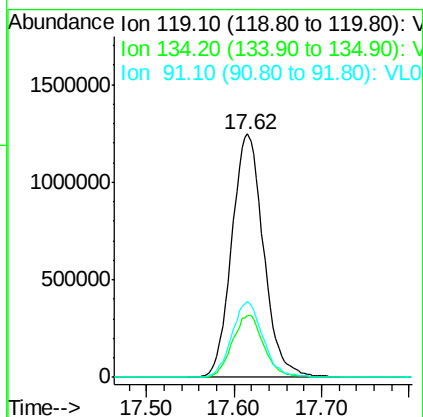
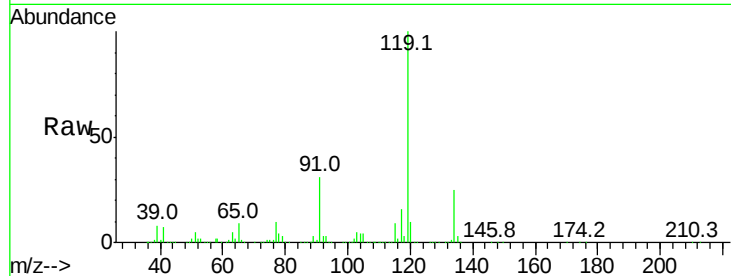




#69
 p-Isopropyltoluene
 Concen: 8.86 ppbv
 RT: 17.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

Tgt Ion: 119 Resp: 3139650

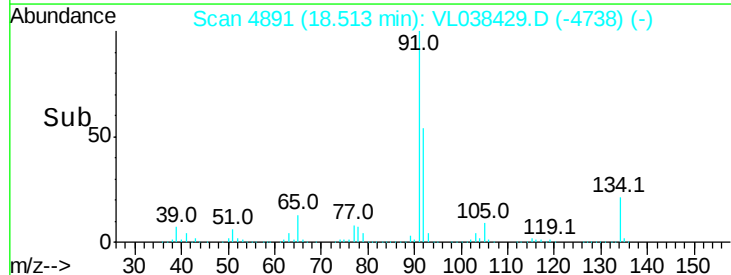
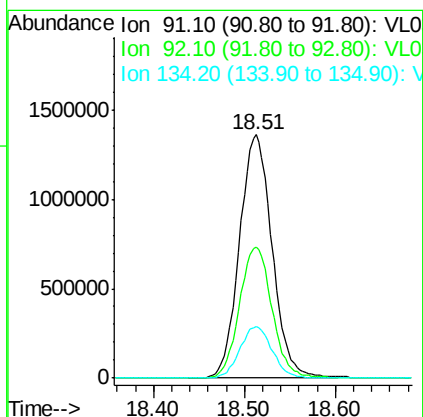
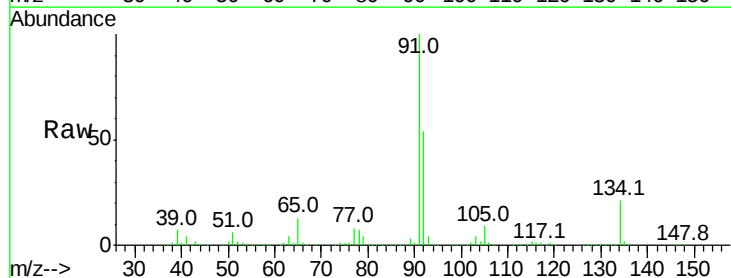
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	30.6	23.8	35.8

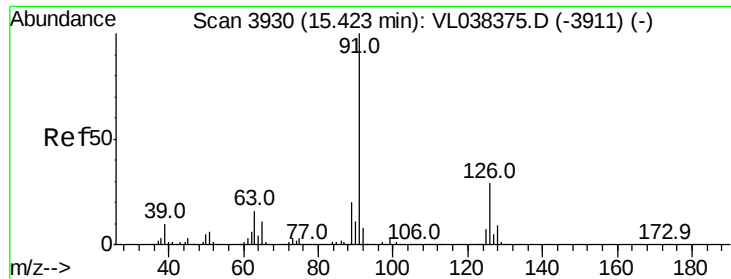


#70
 n-Butylbenzene
 Concen: 9.25 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion: 91 Resp: 3389822

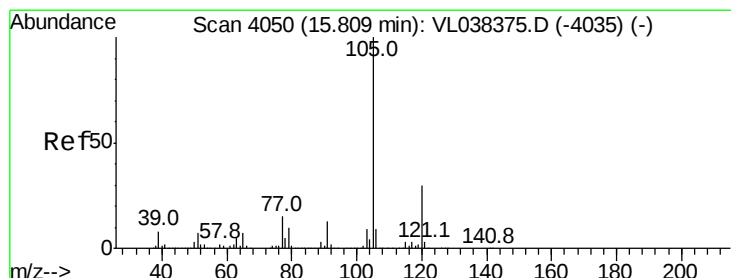
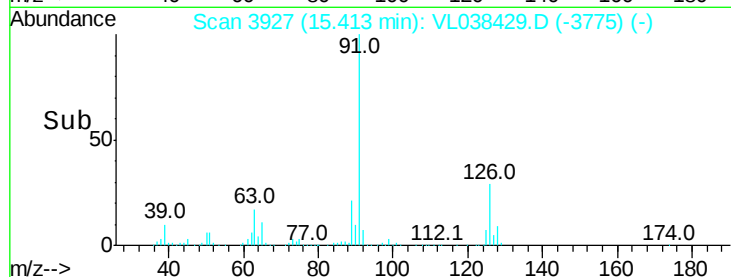
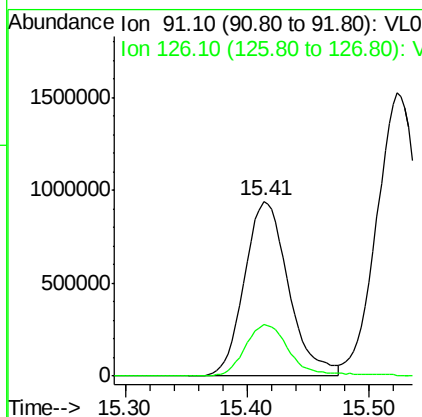
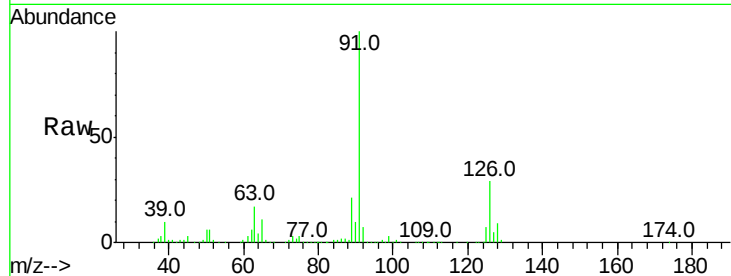
Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.1	64.7
134	21.4	17.4	26.0





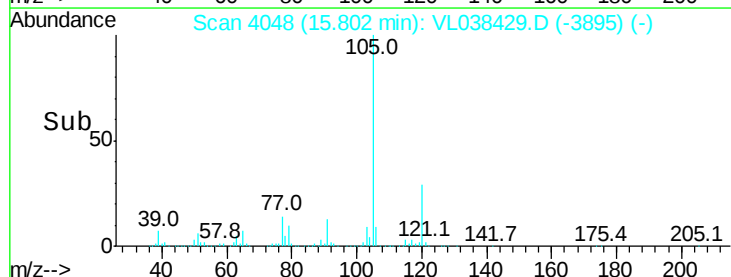
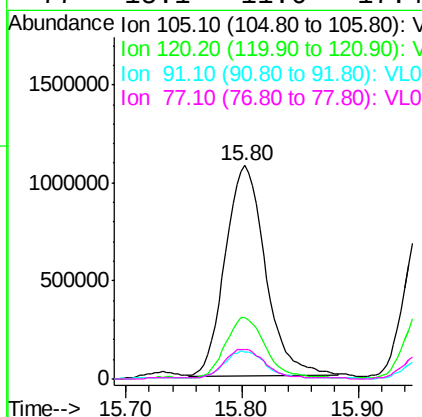
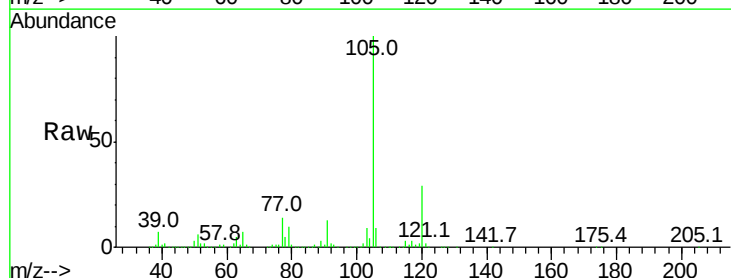
#71
 2-Chlorotoluene
 Concen: 8.34 ppbv
 RT: 15.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

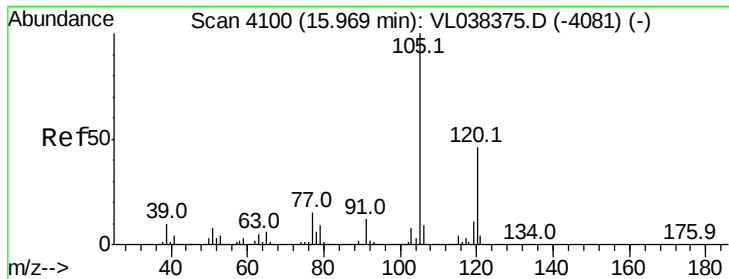
Tgt Ion: 91 Resp: 2355713
 Ion Ratio Lower Upper
 91 100
 126 30.6 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 8.63 ppbv
 RT: 15.80 min Scan# 4048
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

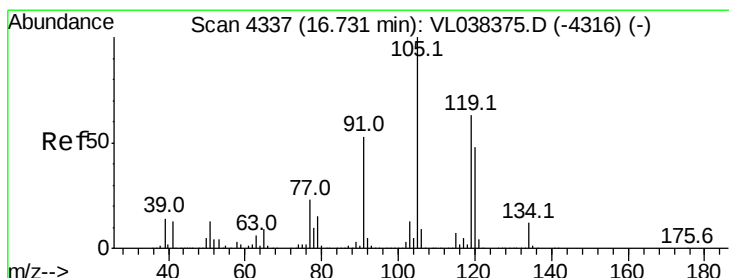
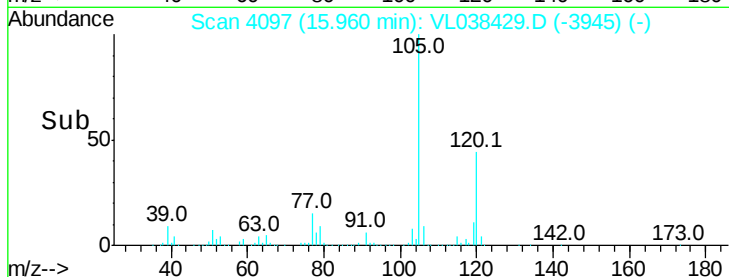
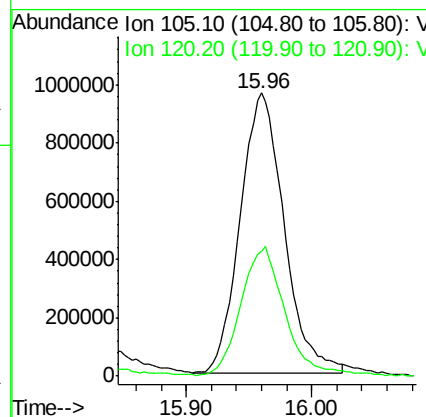
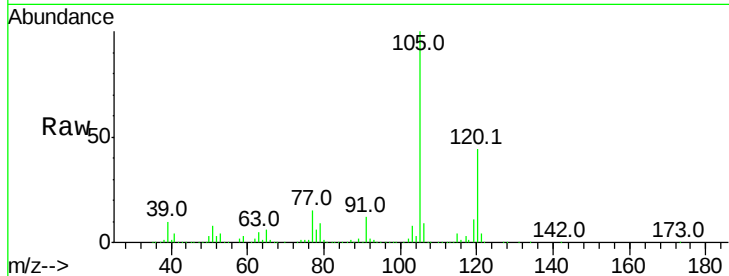
Tgt Ion: 105 Resp: 2603892
 Ion Ratio Lower Upper
 105 100
 120 30.0 23.4 35.2
 91 13.1 10.4 15.6
 77 15.1 11.6 17.4





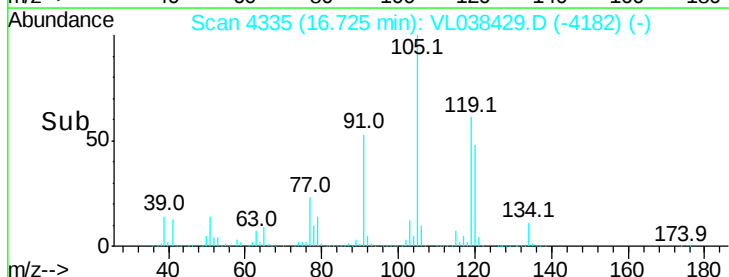
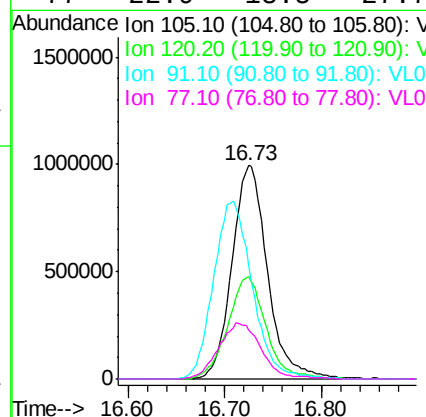
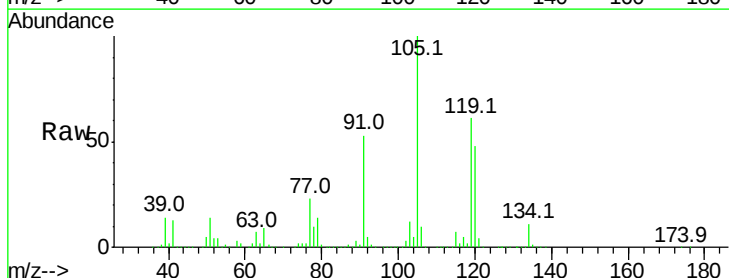
#73
 1,3,5-Trimethylbenzene
 Concen: 8.49 ppbv
 RT: 15.96 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 5:17

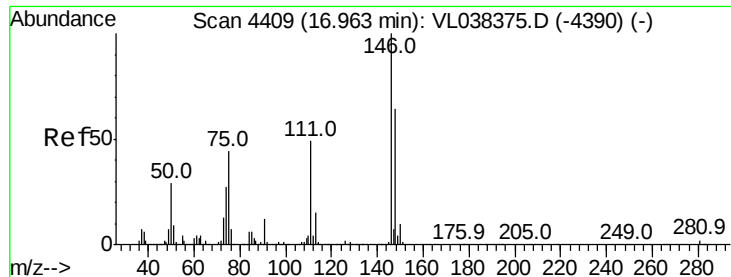
Tgt Ion:105 Resp: 2326634
 Ion Ratio Lower Upper
 105 100
 120 44.2 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.75 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.01 min
 Lab File: VL038429.D
 Acq: 24 Feb 2022 5:17

Tgt Ion:105 Resp: 2530756
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.2 57.4
 91 52.7 42.7 64.1
 77 22.9 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.56 ppbv

RT: 16.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17

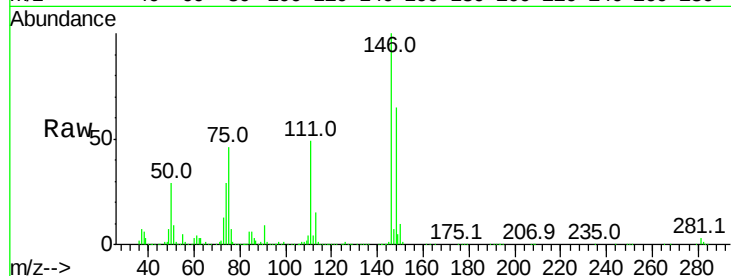
Tgt Ion:146 Resp: 1387224

Ion Ratio Lower Upper

146 100

111 49.0 24.3 72.9

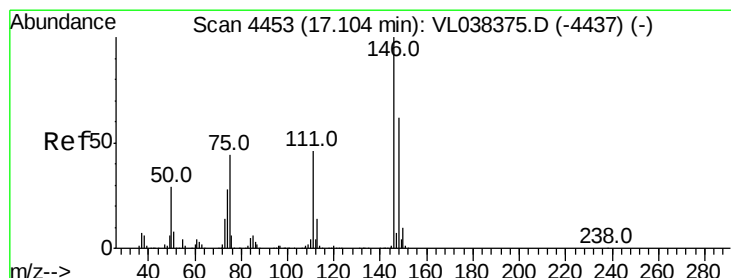
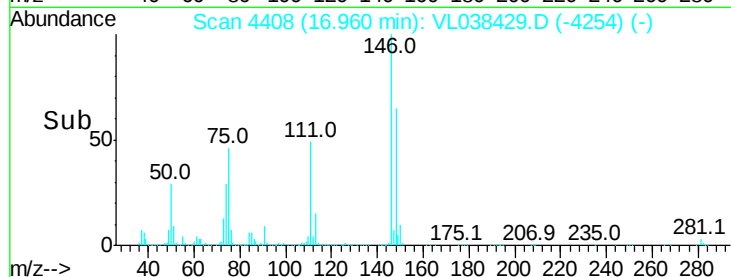
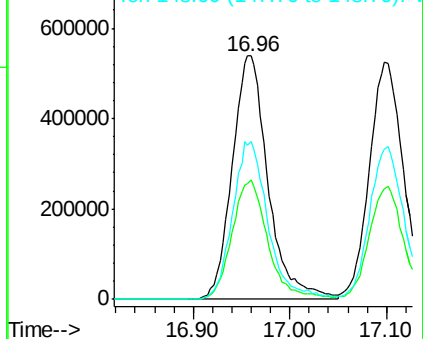
148 64.0 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.21 ppbv

RT: 17.10 min Scan# 4451

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

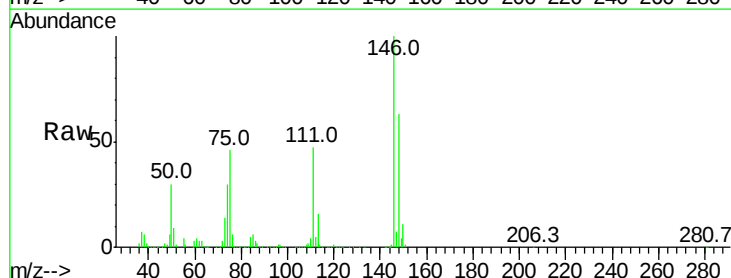
Tgt Ion:146 Resp: 1311171

Ion Ratio Lower Upper

146 100

111 49.1 24.1 72.2

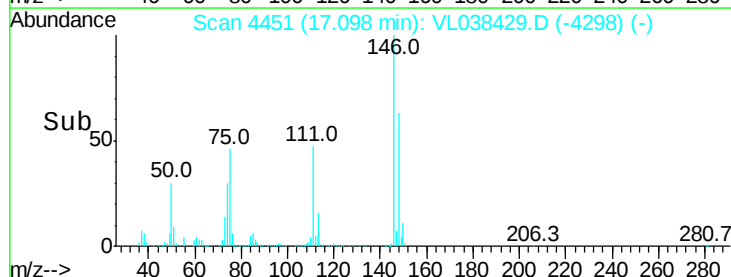
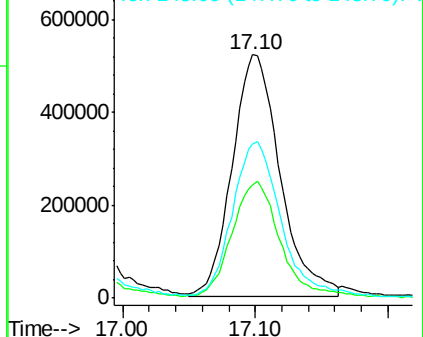
148 66.5 32.8 98.4

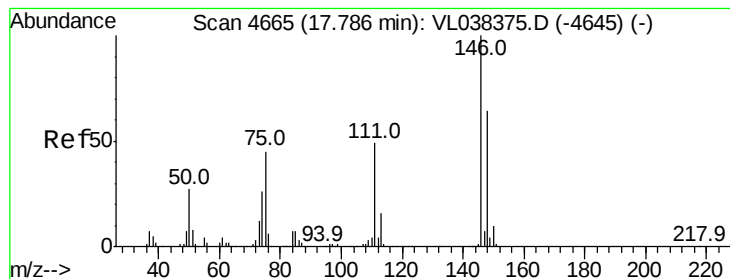


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.41 ppbv

RT: 17.78

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 5:17

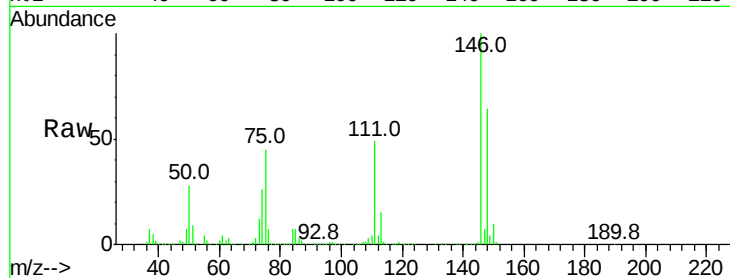
Tgt Ion:146 Resp: 1311786

Ion Ratio Lower Upper

146 100

111 51.0 25.6 76.6

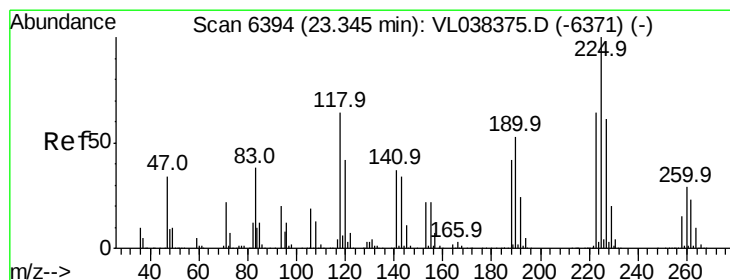
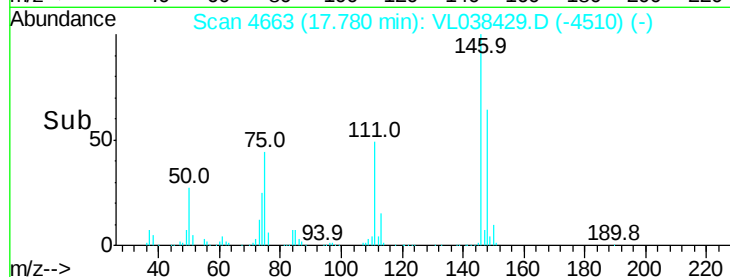
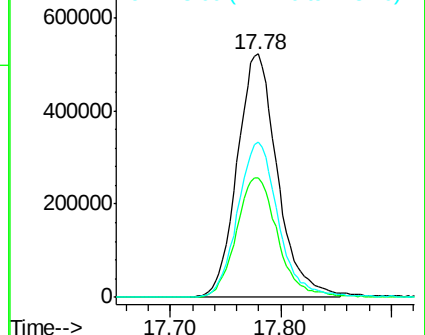
148 64.6 32.4 97.2



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: 8.42 ppbv

RT: 23.34 min Scan# 6392

Delta R.T. -0.01 min

Lab File: VL038429.D

Acq: 24 Feb 2022 5:17

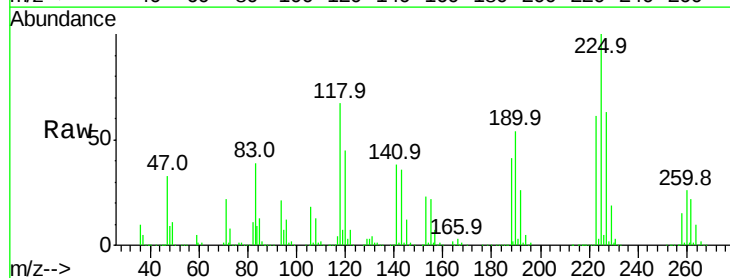
Tgt Ion:225 Resp: 1001197

Ion Ratio Lower Upper

225 100

223 63.6 52.0 78.0

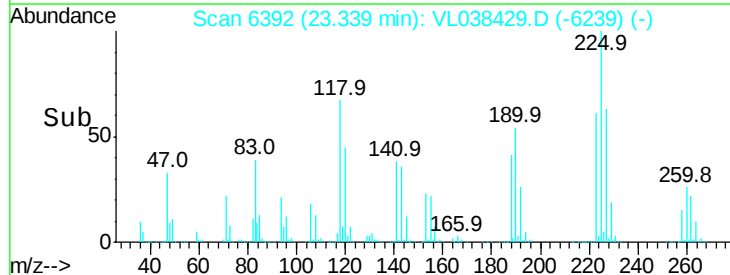
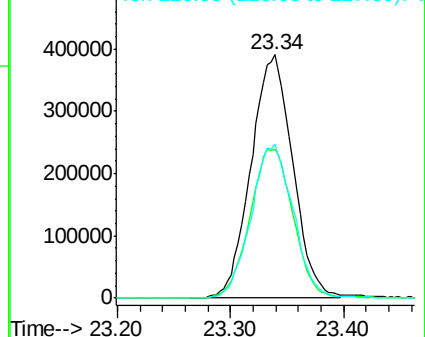
227 63.8 51.6 77.4

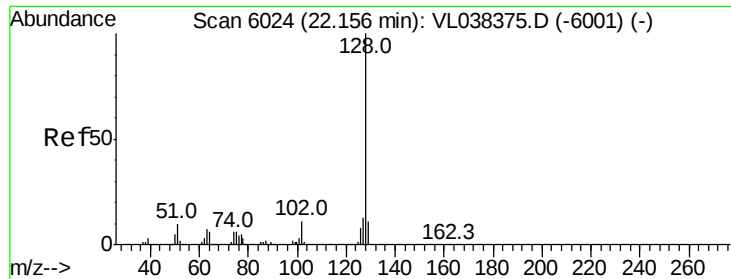


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

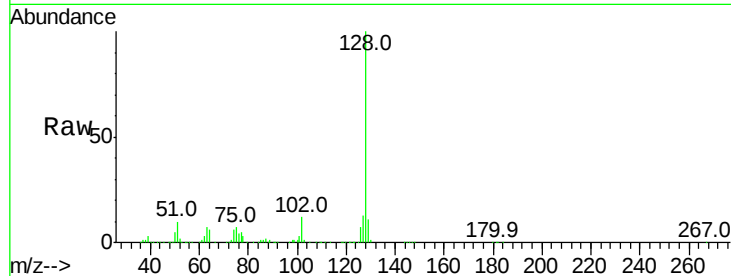




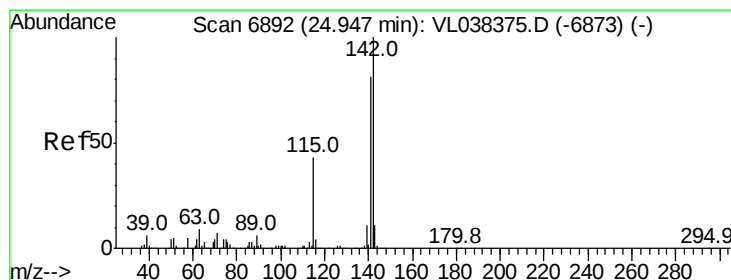
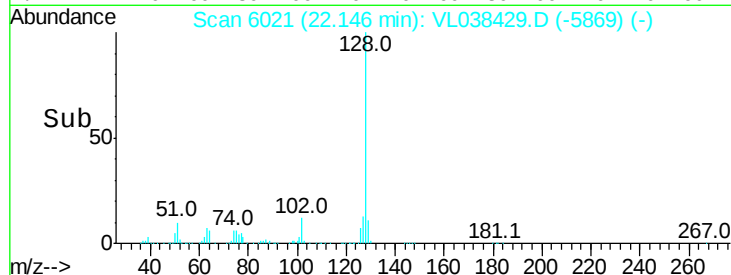
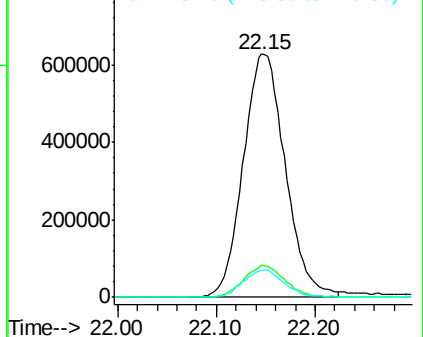
#79
Naphthalene
Concen: 11.80 ppbv
RT: 22.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 24 Feb 2022 5:17

Tgt Ion:128 Resp: 1849698

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.2	8.8	13.2



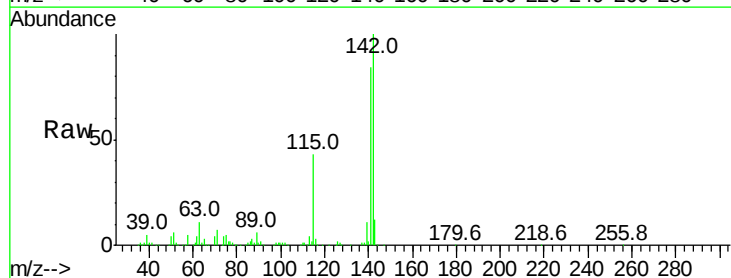
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



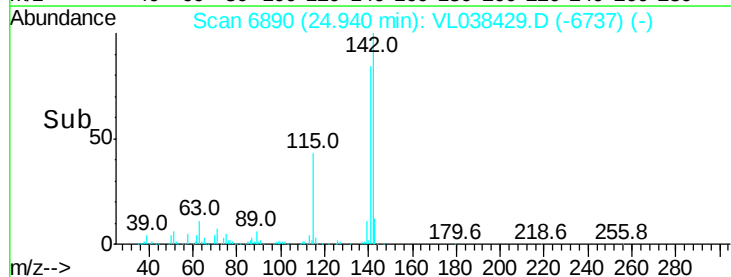
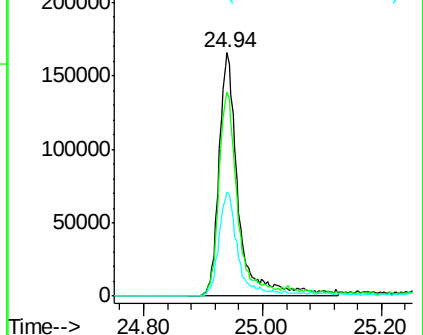
#80
Naphthalene, 2-methyl-
Concen: 12.31 ppbv
RT: 24.94 min Scan# 6890
Delta R.T. -0.01 min
Lab File: VL038429.D
Acq: 24 Feb 2022 5:17

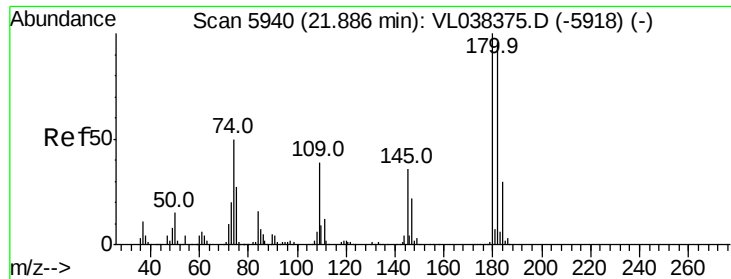
Tgt Ion:142 Resp: 377049

Ion	Ratio	Lower	Upper
142	100		
141	79.9	69.8	104.6
115	42.0	33.0	49.6

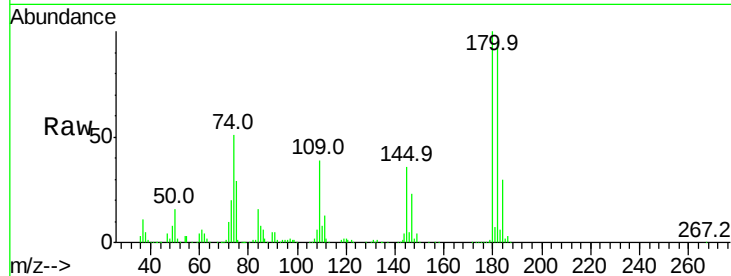


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.84 ppbv
 RT: 21.88
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 24 Feb 2022 3.17



Tgt Ion:	180	Resp:	1027092
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.4	116.2
184	30.5	24.9	37.3

