

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039133.D
 Acq On : 31 May 2022 16:13
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: May 31 16:57:11 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1375297	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3407387	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3278293	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2657470	10.24	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	2061653	9.57	ppbv	97
3) Chlorodifluoromethane	3.00	51	1561378	9.15	ppbv	99
4) Chloromethane	3.15	50	824575	9.65	ppbv	97
5) Vinyl Chloride	3.27	62	802263	10.28	ppbv	100
6) Bromomethane	3.48	94	371004	10.06	ppbv	93
7) Chloroethane	3.57	64	275083	10.53	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2002170	10.25	ppbv	98
9) Propene	3.02	41	670006	8.99	ppbv	96
10) Heptane	8.13	43	1681556	9.20	ppbv	98
11) Trichlorofluoromethane	3.96	101	1924416	10.41	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1316832	10.34	ppbv	94
13) Ethanol	3.62	45	20887	3.96	ppbv #	31
14) Bromoethene	3.74	108	610683	11.63	ppbv	97
15) Acetone	3.85	43	1250175	9.64	ppbv	97
16) 1,3-Butadiene	3.34	39	722330	9.69	ppbv	99
17) tert-Butyl alcohol	4.29	59	1092372	10.96	ppbv	100
18) 1,1-Dichloroethene	4.30	96	597791	10.91	ppbv	94
19) Isopropyl Alcohol	3.96	45	669833	10.86	ppbv #	99
20) Methylene Chloride	4.35	84	457946	9.37	ppbv	94
21) Allyl Chloride	4.42	41	902725	10.21	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	600930	10.15	ppbv	98
23) Vinyl Acetate	5.08	43	1230015	11.98	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1440737	12.19	ppbv	100
25) Ethyl Acetate	5.68	43	2959394	9.53	ppbv	99
26) Hexane	5.69	57	1305278	9.46	ppbv	97
27) Carbon Disulfide	4.56	76	1478254	11.28	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1402180	13.36	ppbv	99
29) Chloroform	5.76	83	2186623	9.80	ppbv	99
30) Cyclohexane	7.14	84	1082944	9.38	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1354043	9.63	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2249211	10.08	ppbv	99
34) 2-Butanone	5.25	43	1825966	10.50	ppbv	99
35) Carbon Tetrachloride	7.02	117	2400978	10.69	ppbv	96
36) Benzene	6.90	78	2626420	9.01	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1745354	9.67	ppbv	99
38) Trichloroethene	7.84	130	1281945	9.89	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1035162	9.12	ppbv	96
40) 1,4-Dioxane	7.83	88	348354	8.55	ppbv	83
41) Tetrahydrofuran	6.05	42	1075883	9.21	ppbv	99
42) Bromodichloromethane	7.80	83	2439497	9.89	ppbv	97
43) Methyl Methacrylate	8.02	69	1100902	9.30	ppbv	100

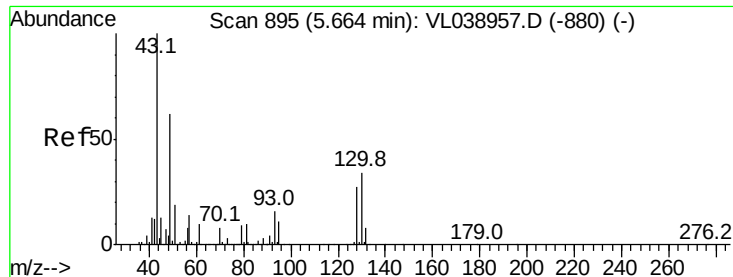
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039133.D
 Acq On : 31 May 2022 16:13
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: May 31 16:57:11 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4506771	8.81	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1307198	11.41	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1600921	10.54	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1103216	9.35	ppbv	99
48) Dibromochloromethane	10.31	129	2077394	10.82	ppbv	98
49) Bromoform	13.04	173	1741338	11.89	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2779143	9.12	ppbv	99
51) 2-Hexanone	10.14	43	2153677	9.68	ppbv #	99
52) Tetrachloroethene	11.23	164	996581	9.56	ppbv	94
53) Toluene	9.81	91	3062422	9.37	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1534920	9.55	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1408089	9.79	ppbv	96
57) Chlorobenzene	12.15	112	2248776	9.15	ppbv	99
58) Ethyl Benzene	12.72	91	4150993	8.80	ppbv	100
59) m/p-Xylene	13.00	91	3775913	9.38	ppbv #	40
60) o-Xylene	13.70	91	3395773	8.96	ppbv	100
61) Styrene	13.53	104	1944880	9.61	ppbv	99
62) Isopropylbenzene	14.67	105	4947878	8.93	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1827013	8.19	ppbv	99
64) n-propylbenzene	15.56	120	1279175	9.54	ppbv	94
65) tert-Butylbenzene	16.75	119	4520815	9.31	ppbv	97
66) Benzyl Chloride	16.99	91	792149	12.48	ppbv	96
67) sec-Butylbenzene	17.29	105	6276430	9.04	ppbv	100
69) p-Isopropyltoluene	17.65	119	5252378	9.37	ppbv	99
70) n-Butylbenzene	18.55	91	5576835	9.36	ppbv	99
71) 2-Chlorotoluene	15.45	91	3827514	8.96	ppbv	99
72) 4-Ethyltoluene	15.84	105	4051007	9.38	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3672964	9.44	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4001171	9.40	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2313653	9.92	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2250380	9.81	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2264350	9.81	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1030535	4.86	ppbv #	29
79) Naphthalene	22.19	128	3703078	10.71	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1599475	15.29	ppbv	93
81) 1,2,4-Trichlorobenzene	21.93	180	857455	4.23	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VSTDICCC010

Acq: 31 May 2022 16:13

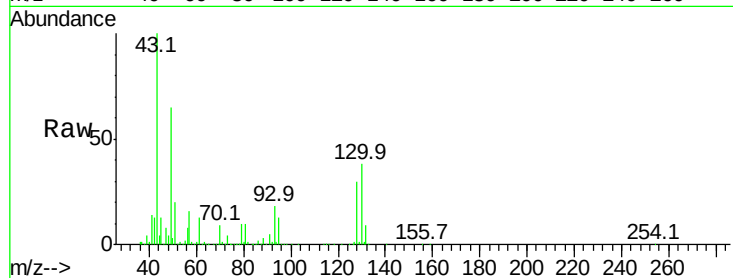
Tgt Ion: 49 Resp: 1375297

Ion Ratio Lower Upper

49 100

128 49.4 23.3 69.8

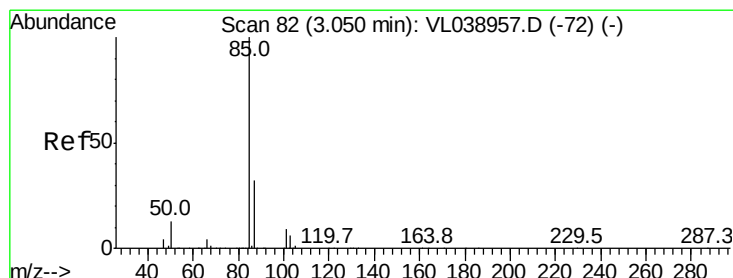
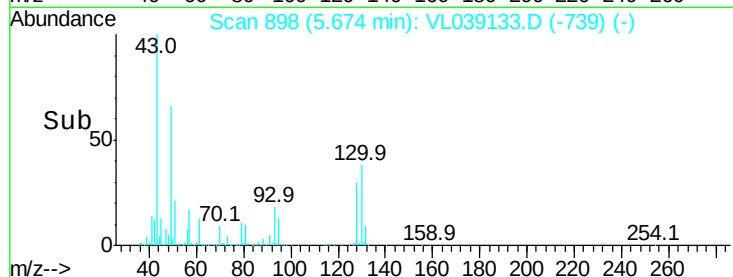
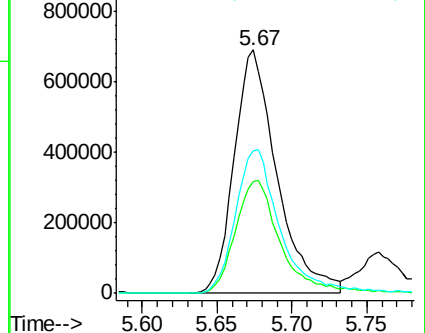
130 62.7 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.57 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL039133.D

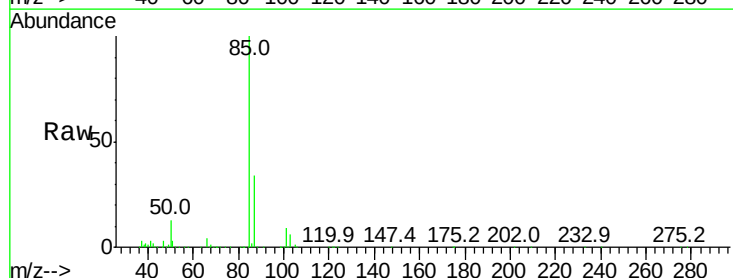
Acq: 31 May 2022 16:13

Tgt Ion: 85 Resp: 2061653

Ion Ratio Lower Upper

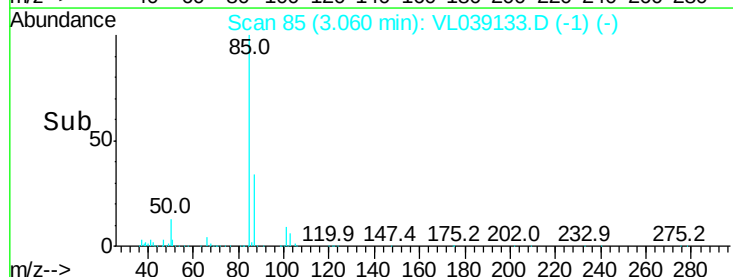
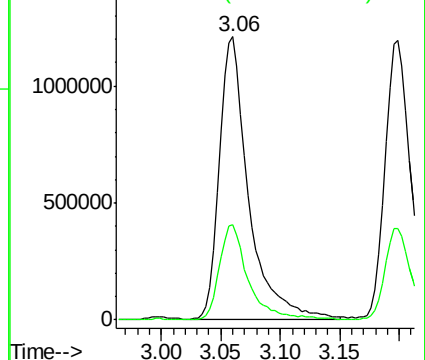
85 100

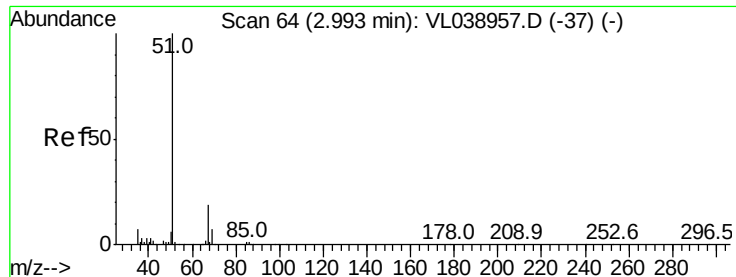
87 33.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.15 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

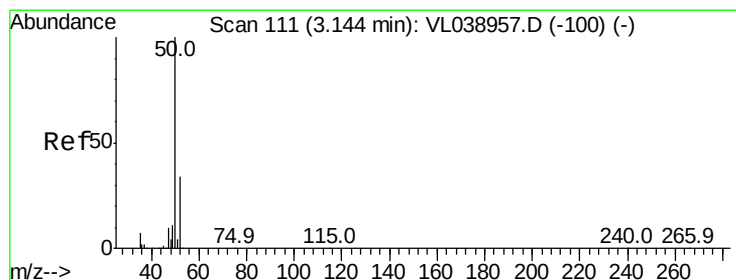
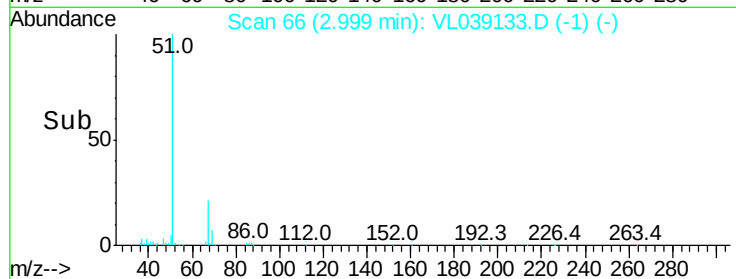
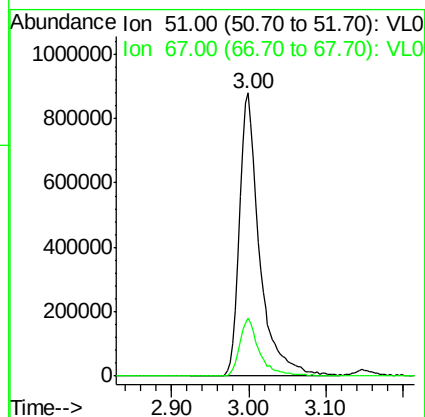
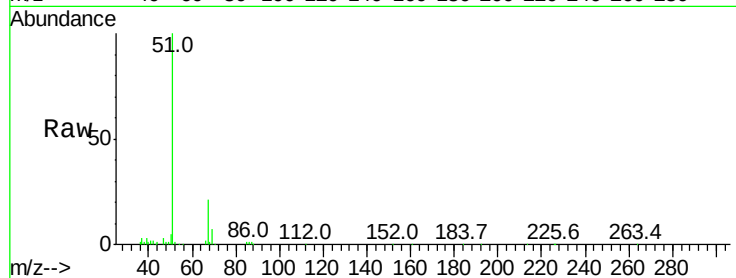
Acq: 31 May 2022 16:13 VSTDICCC010

Tgt Ion: 51 Resp: 1561378

Ion Ratio Lower Upper

51 100

67 20.3 15.8 23.8



#4

Chloromethane

Concen: 9.65 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL039133.D

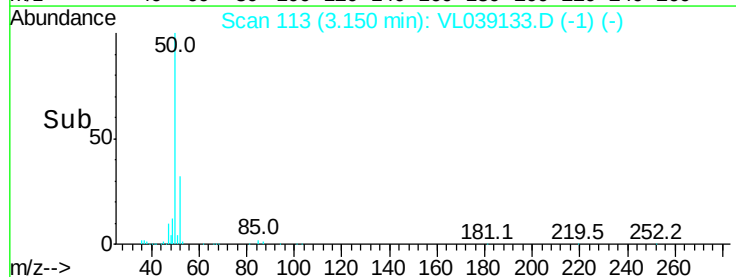
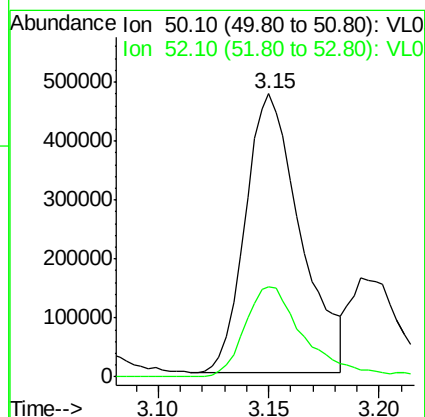
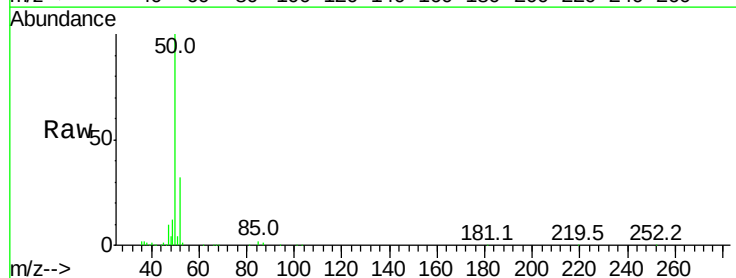
Acq: 31 May 2022 16:13

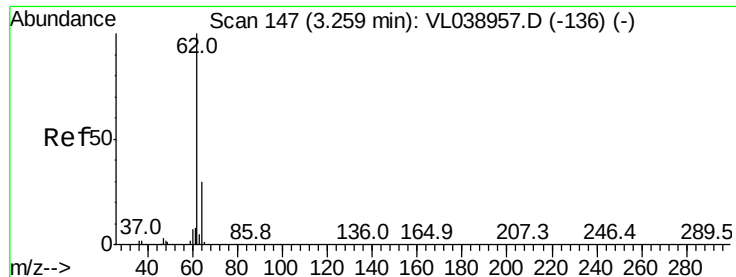
Tgt Ion: 50 Resp: 824575

Ion Ratio Lower Upper

50 100

52 32.4 27.3 40.9





#5

Vinyl Chloride

Concen: 10.28 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

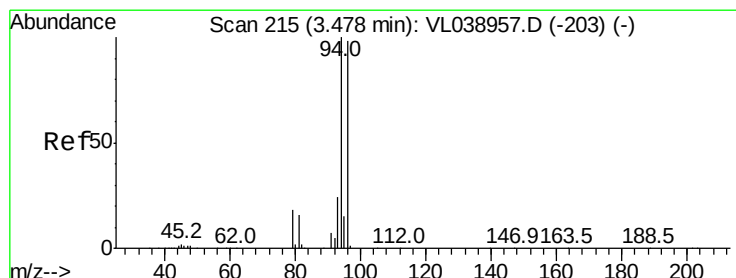
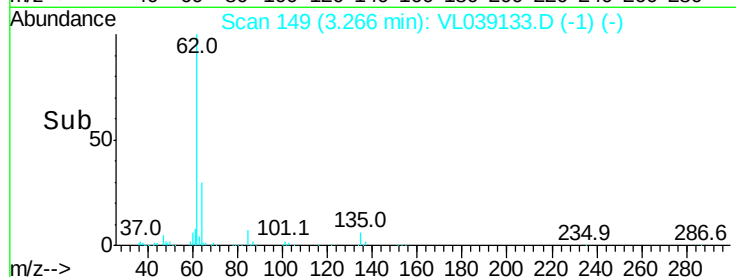
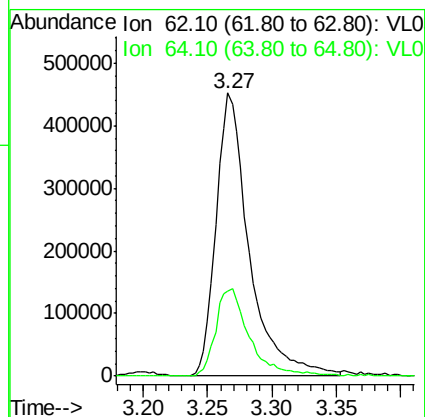
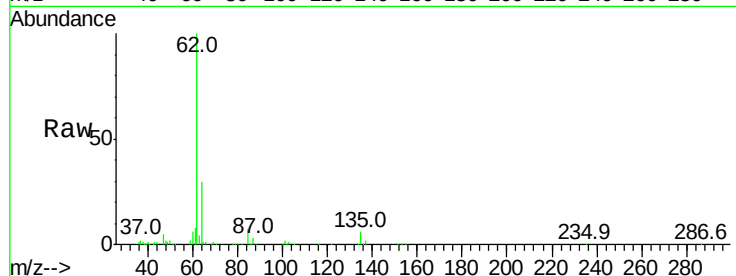
Acq: 31 May 2022 16:13

Tgt Ion: 62 Resp: 802263

Ion Ratio Lower Upper

62 100

64 30.2 24.2 36.4



#6

Bromomethane

Concen: 10.06 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL039133.D

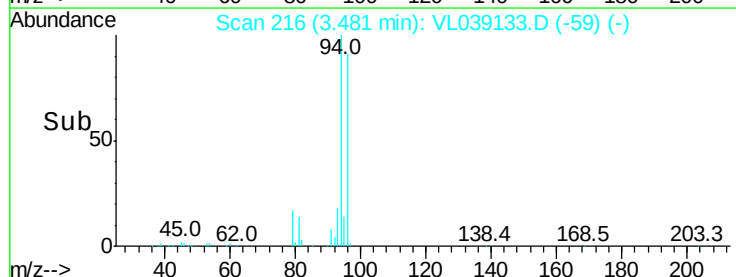
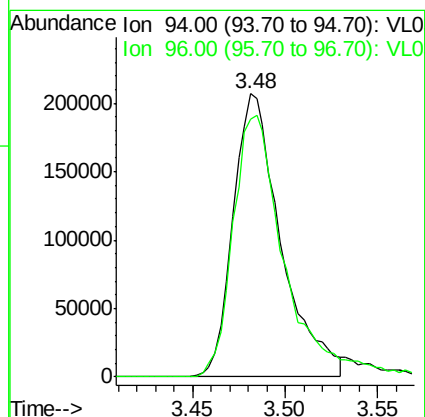
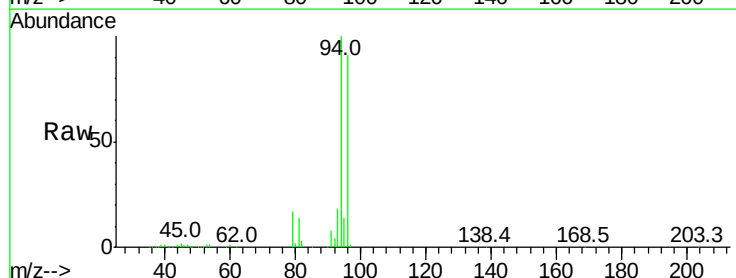
Acq: 31 May 2022 16:13

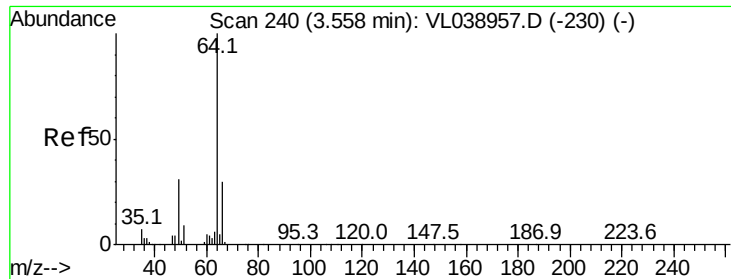
Tgt Ion: 94 Resp: 371004

Ion Ratio Lower Upper

94 100

96 91.2 78.1 117.1





#7

Chloroethane

Concen: 10.53 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

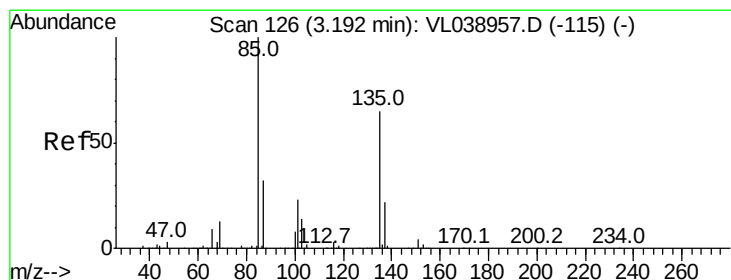
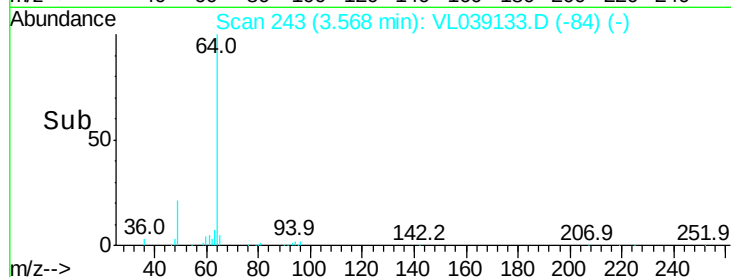
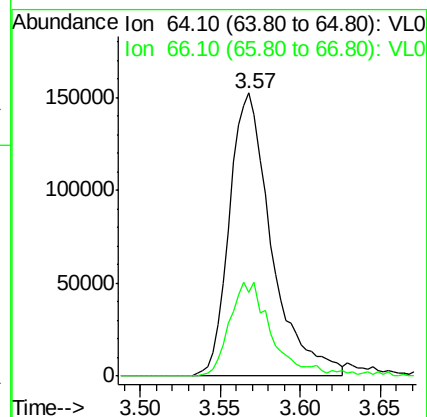
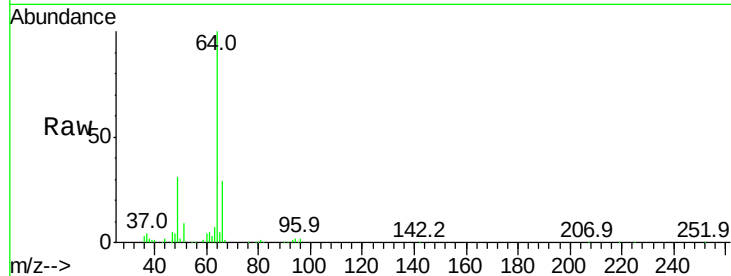
Acq: 31 May 2022 16:13 VSTDICCC010

Tgt Ion: 64 Resp: 275083

Ion Ratio Lower Upper

64 100

66 29.5 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 10.25 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL039133.D

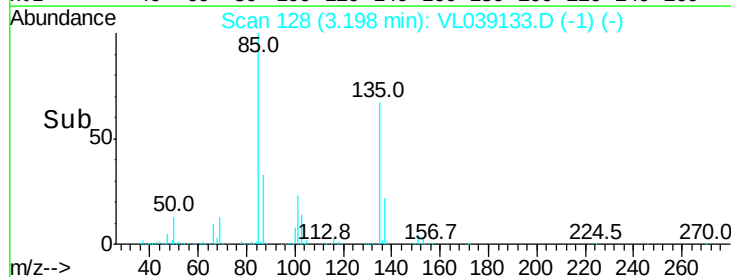
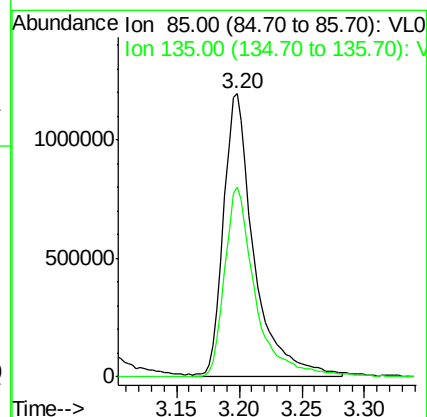
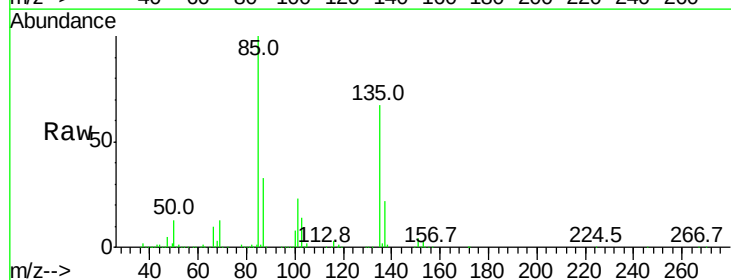
Acq: 31 May 2022 16:13

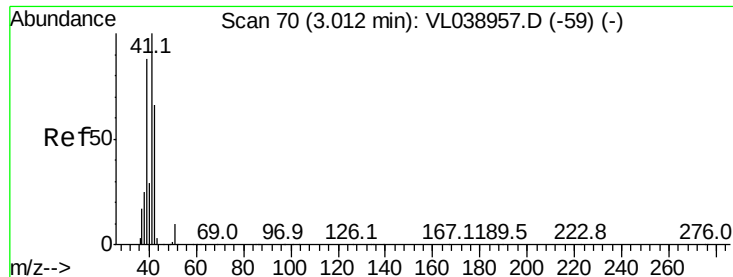
Tgt Ion: 85 Resp: 2002170

Ion Ratio Lower Upper

85 100

135 68.7 53.6 80.4





#9

Propene

Concen: 8.99 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

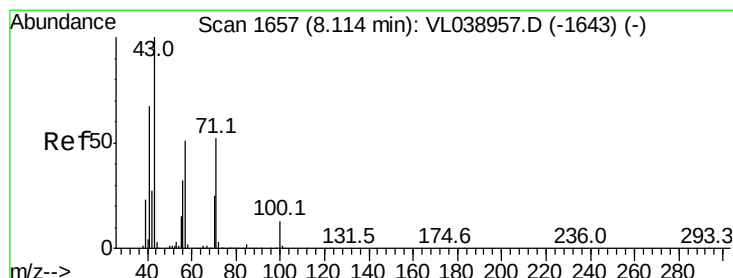
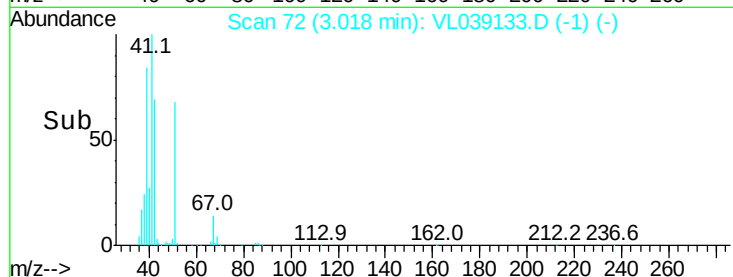
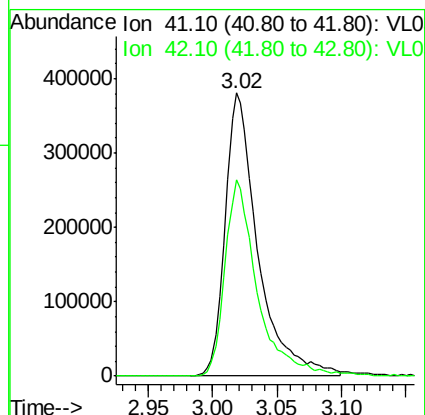
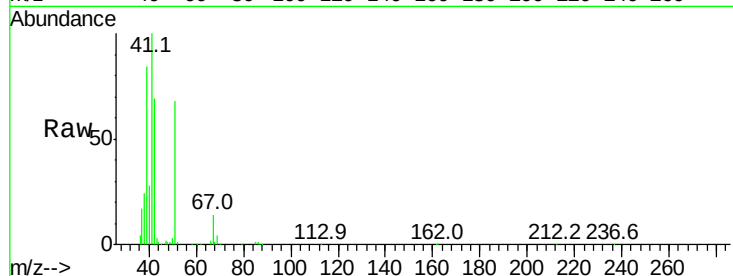
Acq: 31 May 2022 16:13

Tgt Ion: 41 Resp: 670006

Ion Ratio Lower Upper

41 100

42 69.3 58.3 87.5



#10

Heptane

Concen: 9.20 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VL039133.D

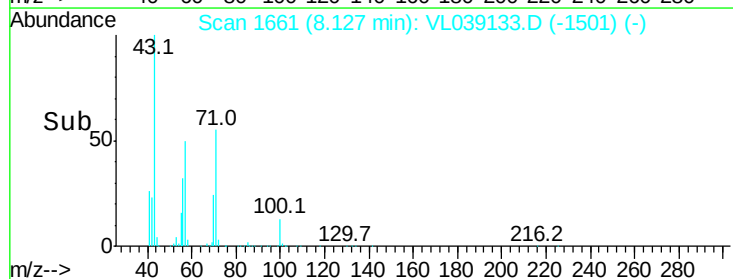
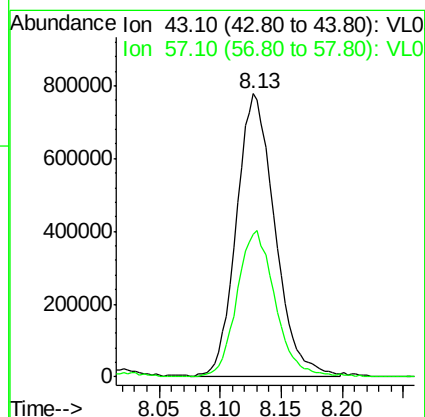
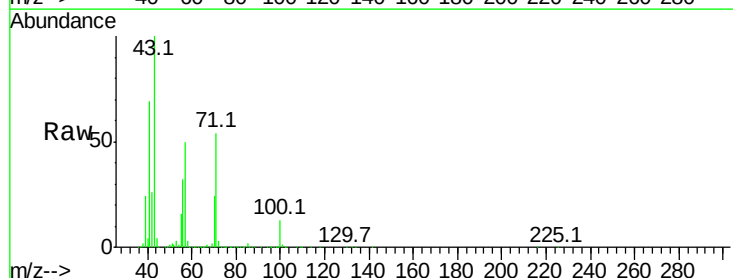
Acq: 31 May 2022 16:13

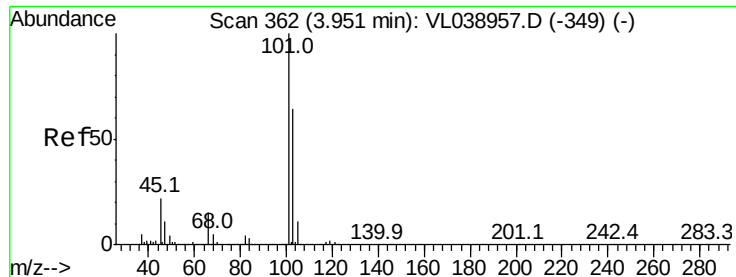
Tgt Ion: 43 Resp: 1681556

Ion Ratio Lower Upper

43 100

57 51.8 40.5 60.7





#11

Trichlorofluoromethane

Concen: 10.41 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

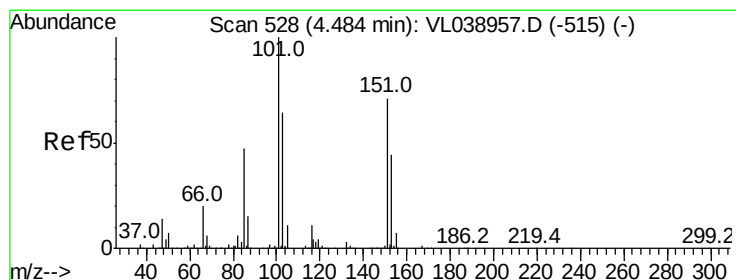
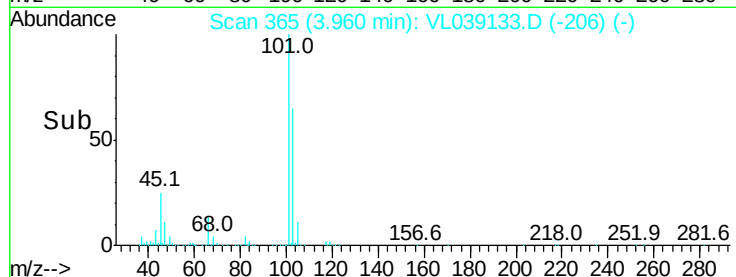
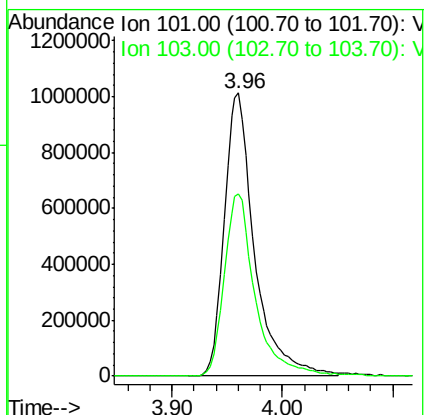
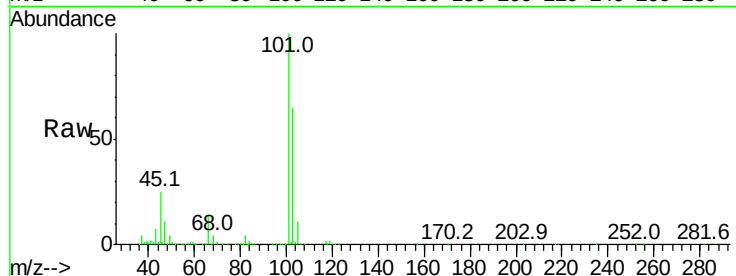
Acq: 31 May 2022 16:13

Tgt Ion:101 Resp: 1924416

Ion Ratio Lower Upper

101 100

103 64.6 51.5 77.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.34 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL039133.D

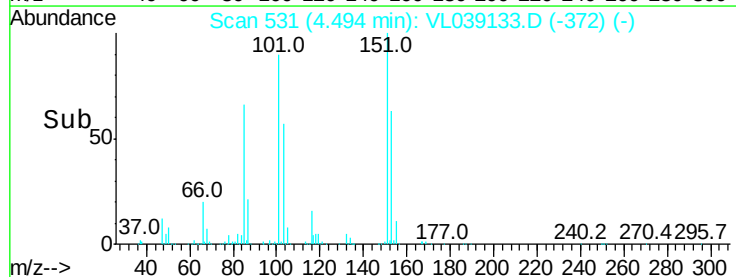
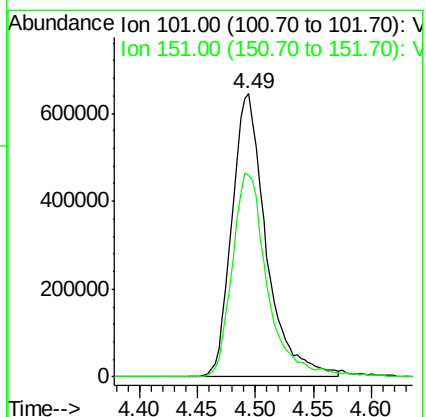
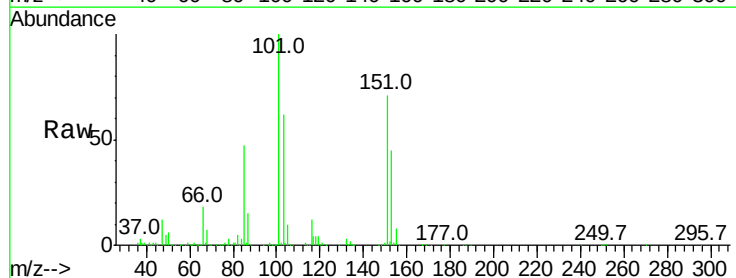
Acq: 31 May 2022 16:13

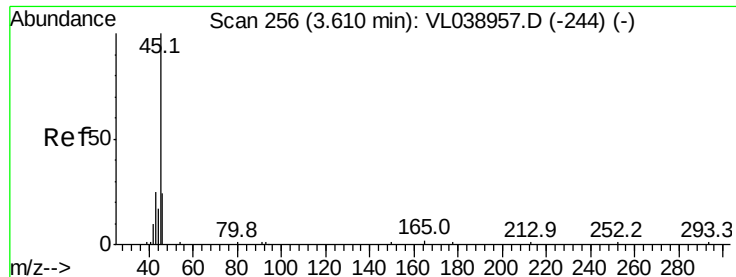
Tgt Ion:101 Resp: 1316832

Ion Ratio Lower Upper

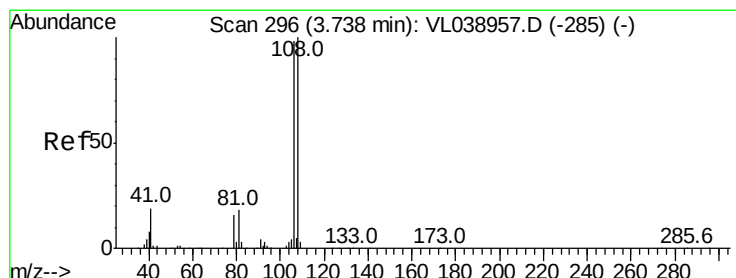
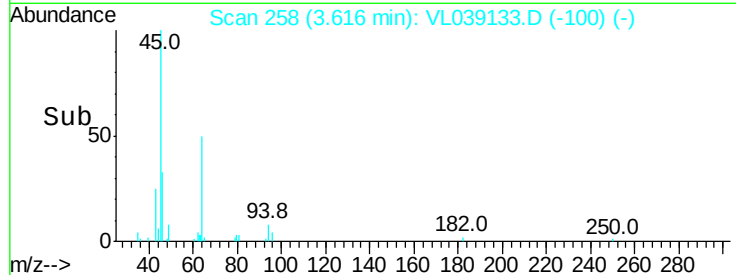
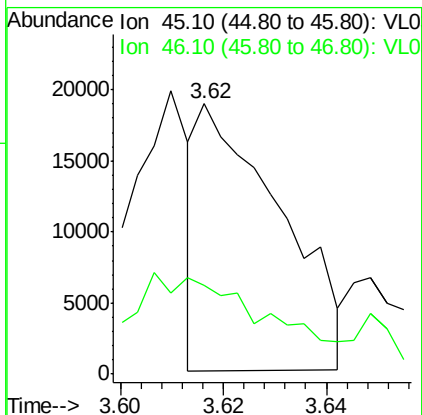
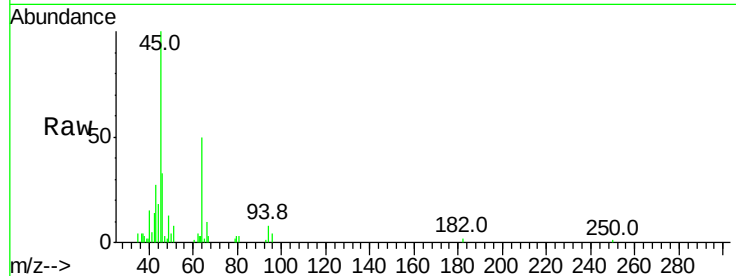
101 100

151 74.2 55.4 83.0

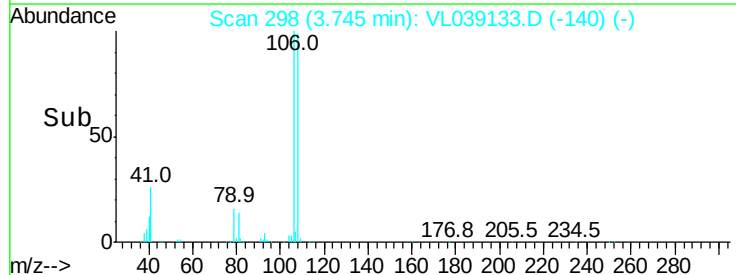
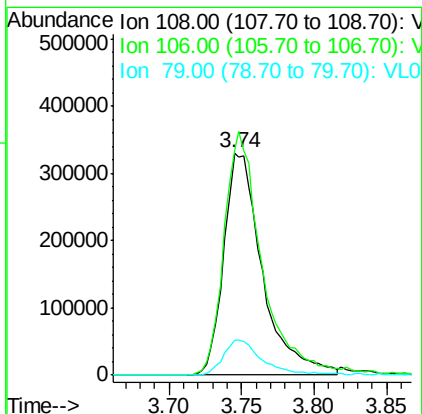
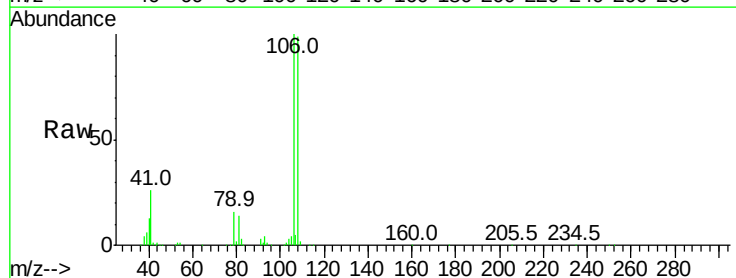


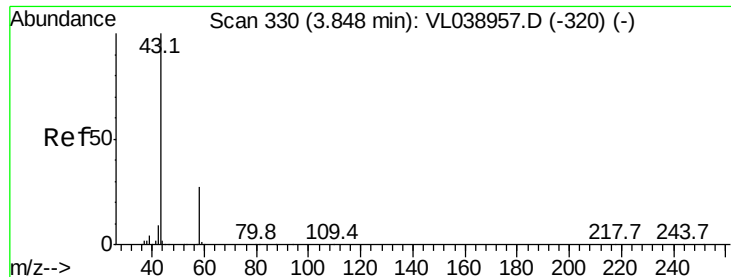


#13
Ethanol
Concen: 3.96 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 May 2022 16:13
Tgt Ion: 45 Resp: 20887
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#14
Bromoethene
Concen: 11.63 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL039133.D
Acq: 31 May 2022 16:13
Tgt Ion: 108 Resp: 610683
Ion Ratio Lower Upper
108 100
106 110.5 90.3 135.5
79 16.8 14.9 22.3





#15

Acetone

Concen: 9.64 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDICCC010

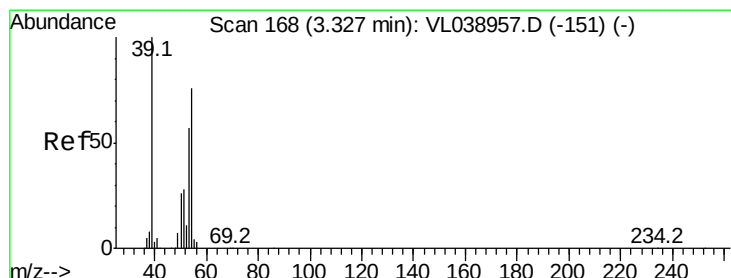
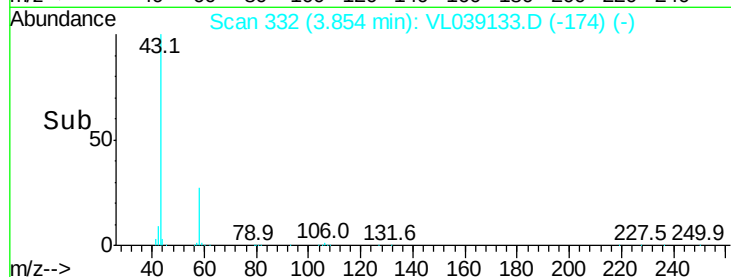
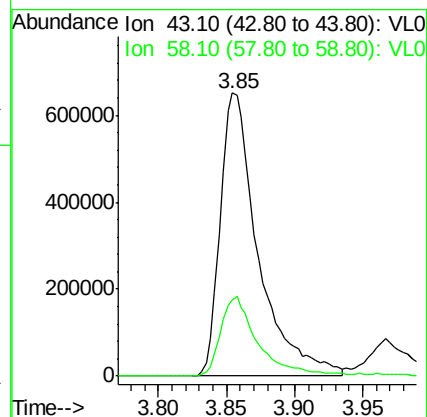
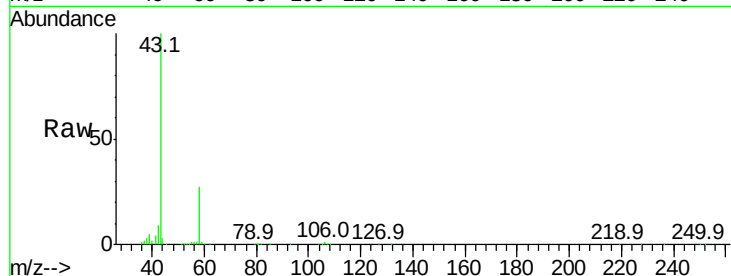
Acq: 31 May 2022 16:13

Tgt Ion: 43 Resp: 1250175

Ion Ratio Lower Upper

43 100

58 28.1 21.3 31.9



#16

1,3-Butadiene

Concen: 9.69 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL039133.D

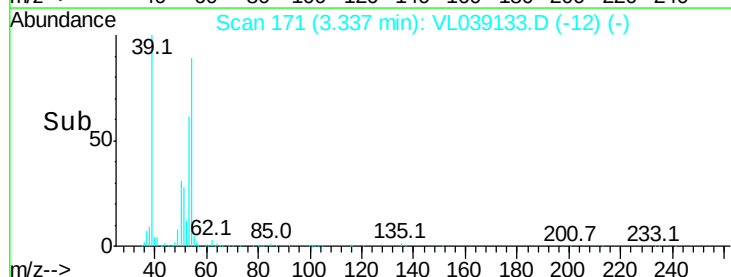
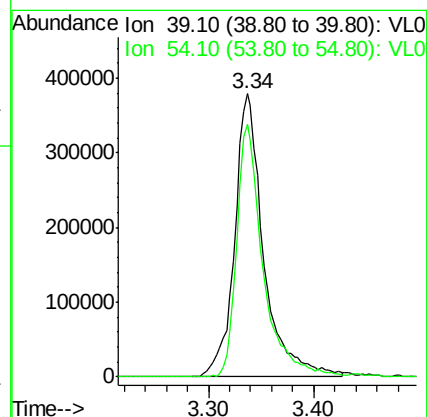
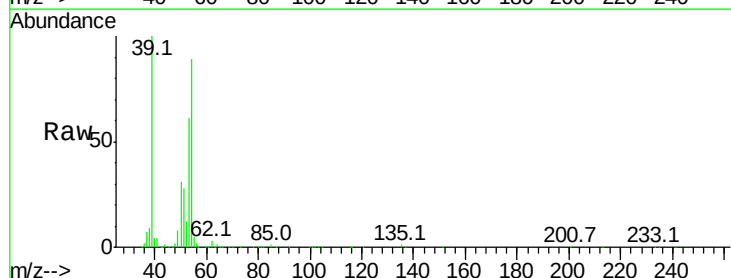
Acq: 31 May 2022 16:13

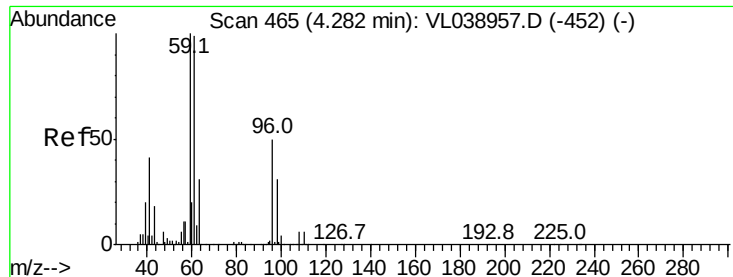
Tgt Ion: 39 Resp: 722330

Ion Ratio Lower Upper

39 100

54 82.2 65.2 97.8





#17

tert-Butyl alcohol

Concen: 10.96 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDICCC010

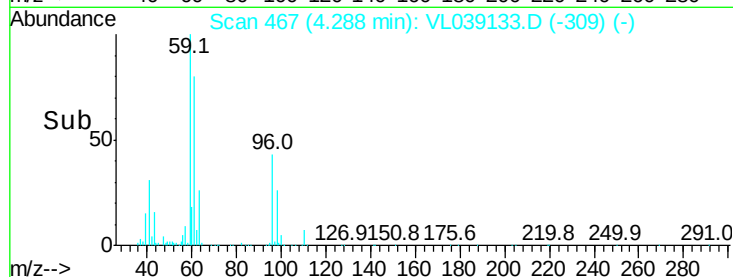
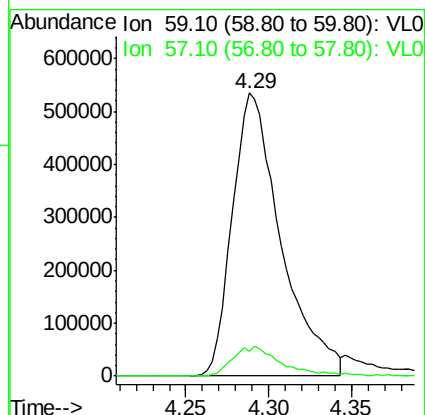
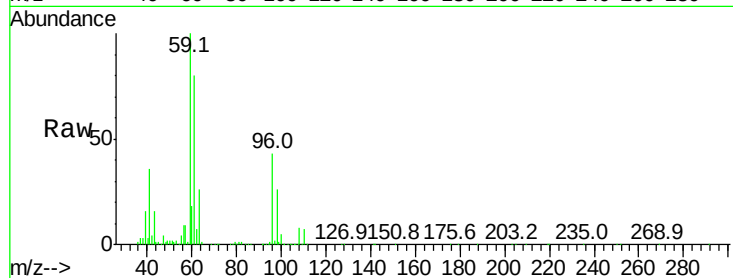
Acq: 31 May 2022 16:13

Tgt Ion: 59 Resp: 1092372

Ion Ratio Lower Upper

59 100

57 11.4 9.2 13.8



#18

1,1-Dichloroethene

Concen: 10.91 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

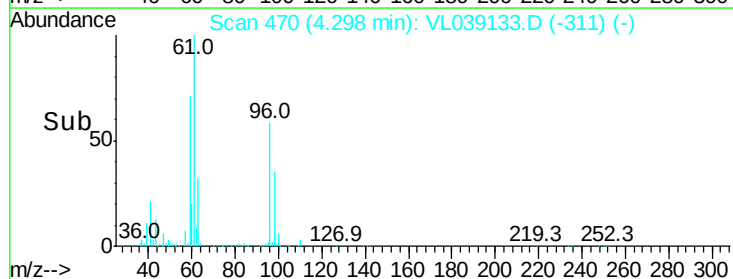
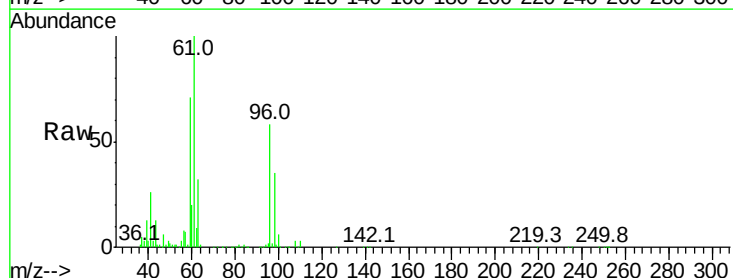
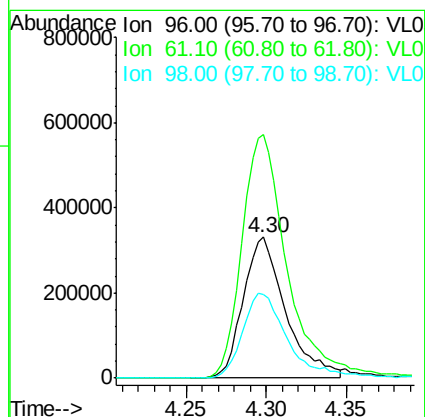
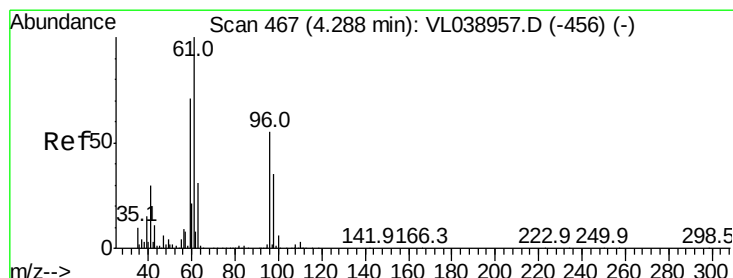
Tgt Ion: 96 Resp: 597791

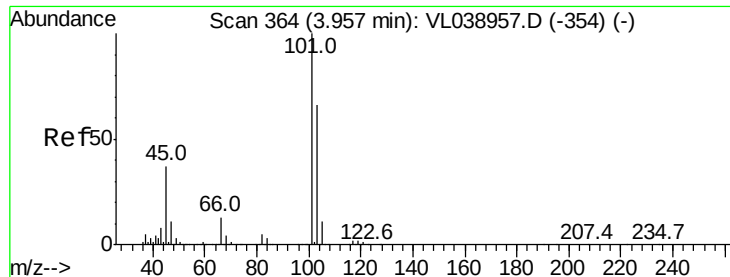
Ion Ratio Lower Upper

96 100

61 173.0 146.3 219.5

98 59.8 50.6 75.8





#19

Isopropyl Alcohol

Concen: 10.86 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

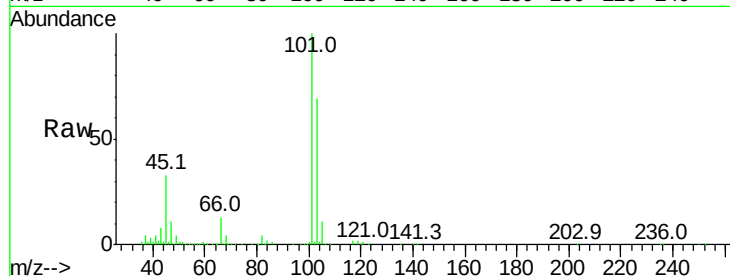
Acq: 31 May 2022 16:13 VSTDICCC010

Tgt Ion: 45 Resp: 669833

Ion Ratio Lower Upper

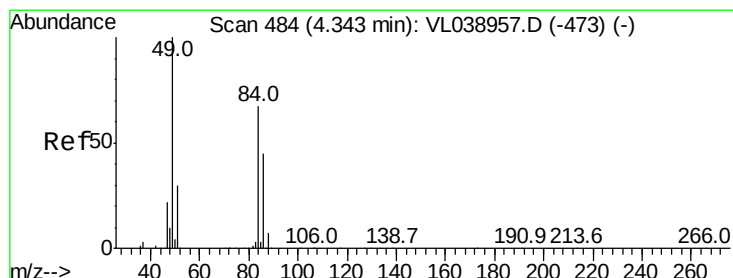
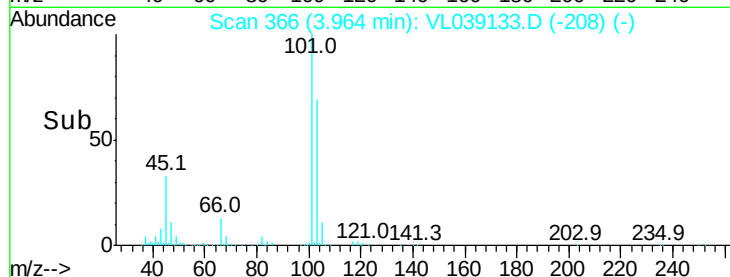
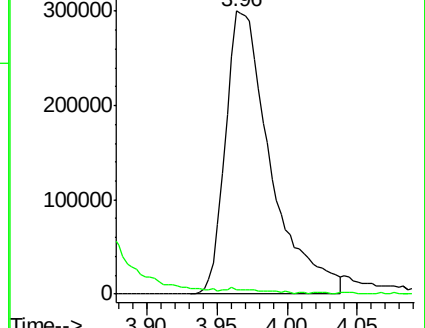
45 100

58 2.3 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.37 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

Tgt Ion: 84 Resp: 457946

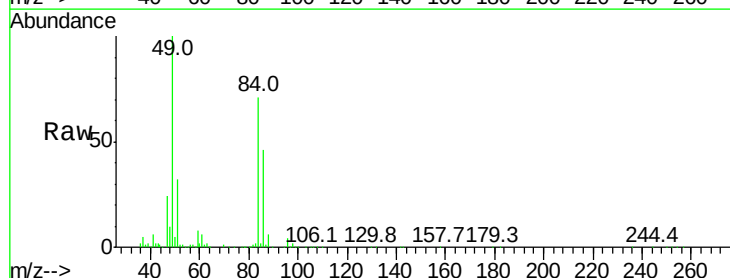
Ion Ratio Lower Upper

84 100

49 138.9 119.9 179.9

51 44.1 35.7 53.5

86 64.9 53.8 80.6

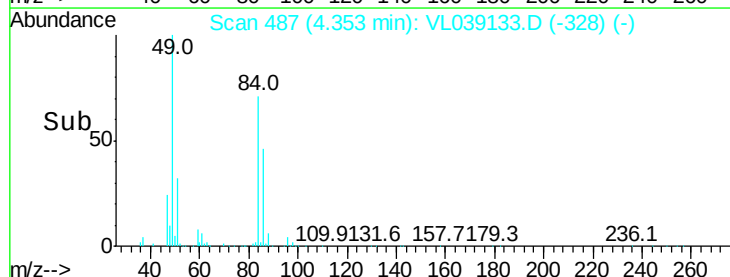
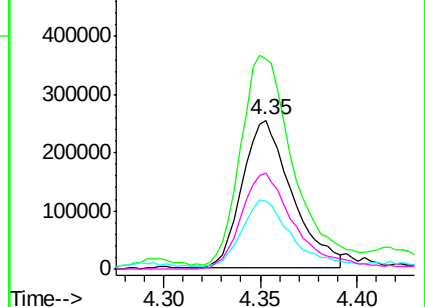


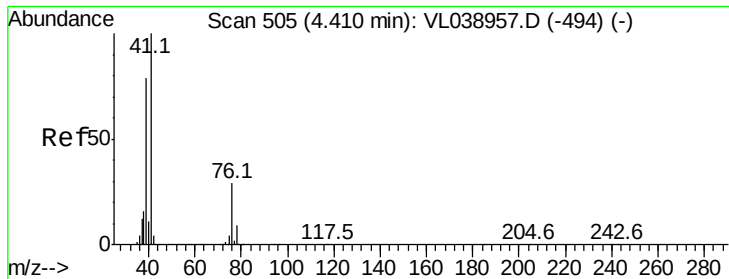
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

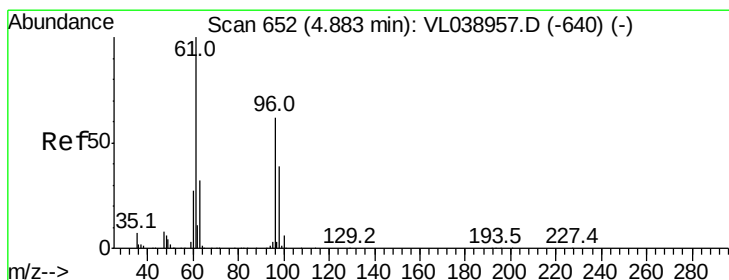
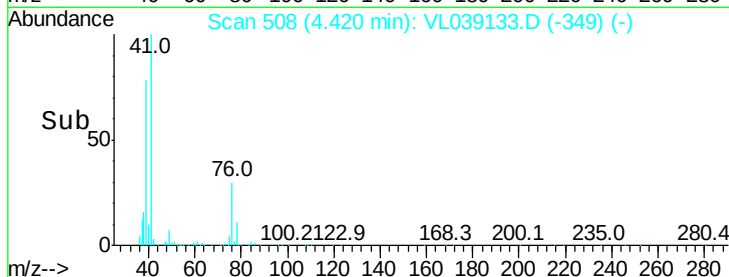
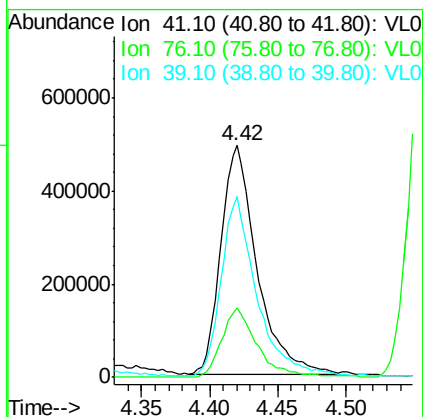
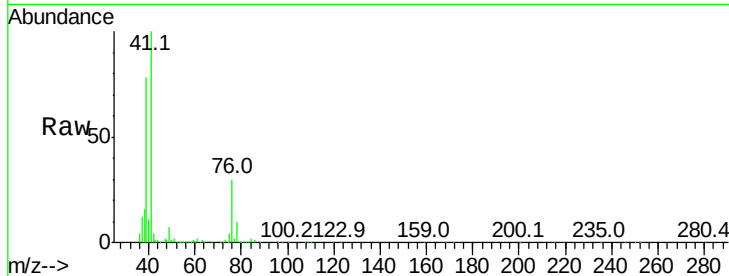
Ion 86.00 (85.70 to 86.70): VL0





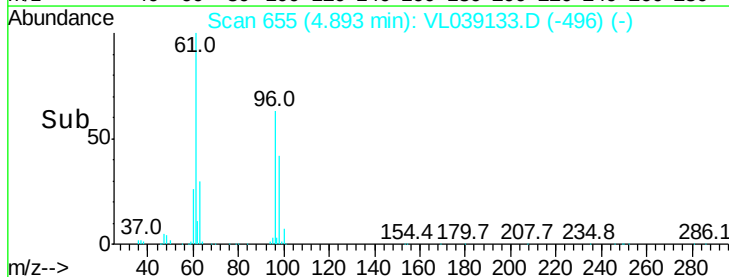
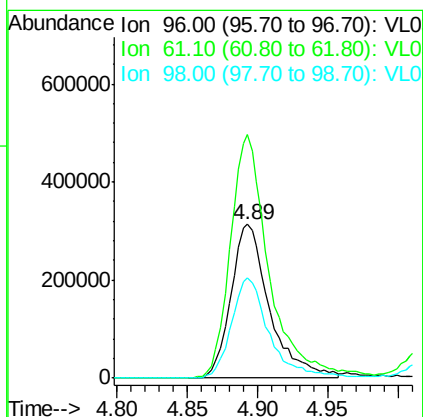
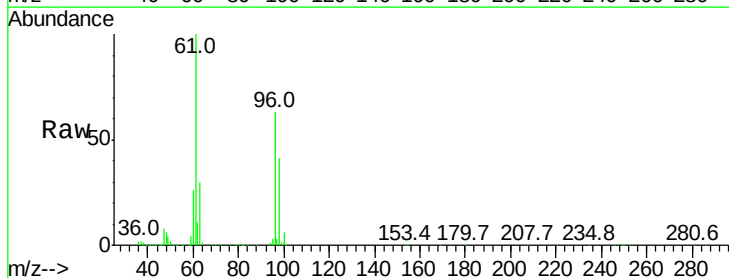
#21
 Allyl Chloride
 Concen: 10.21 ppbv
 RT: 4.42
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 31 May 2022 16:13

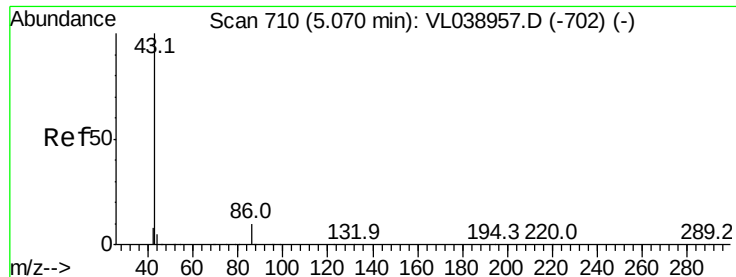
Tgt Ion: 41 Resp: 902725
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.2 36.4
 39 77.7 63.8 95.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.15 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 96 Resp: 600930
 Ion Ratio Lower Upper
 96 100
 61 158.3 128.2 192.2
 98 65.6 50.1 75.1





#23

Vinyl Acetate

Concen: 11.98 ppbv

RT: 5.08 Instrument: MSVOA_1

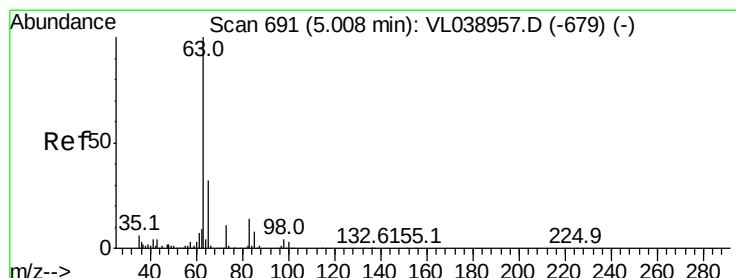
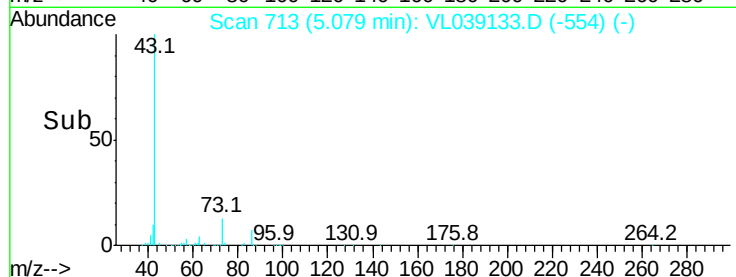
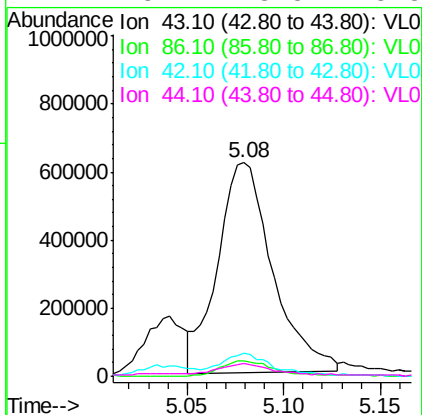
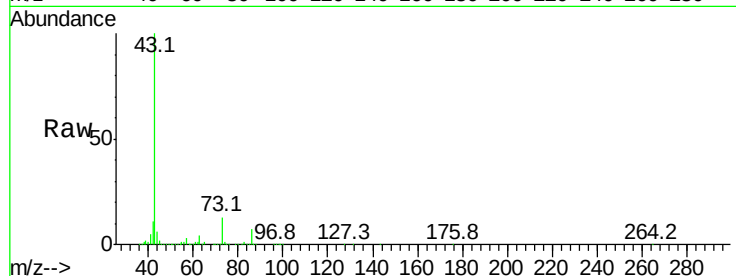
Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

Acq: 31 May 2022 16:13

Tgt Ion: 43 Resp: 1230015

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.6	9.8
42	10.3	8.1	12.1
44	5.4	3.5	5.3#



#24

1,1-Dichloroethane

Concen: 12.19 ppbv

RT: 5.02 min Scan# 694

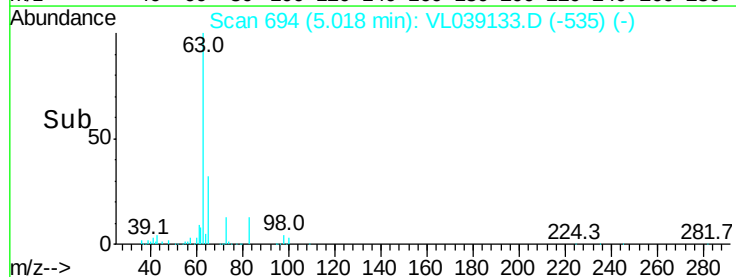
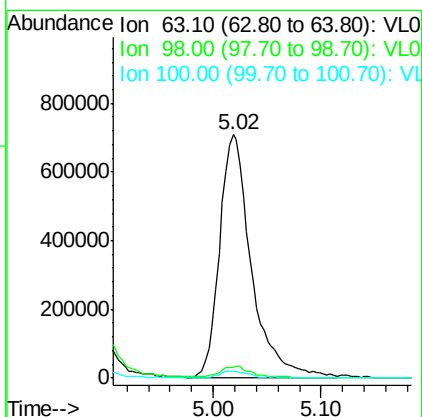
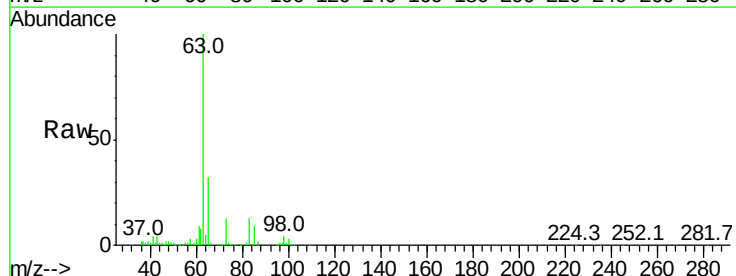
Delta R.T. 0.01 min

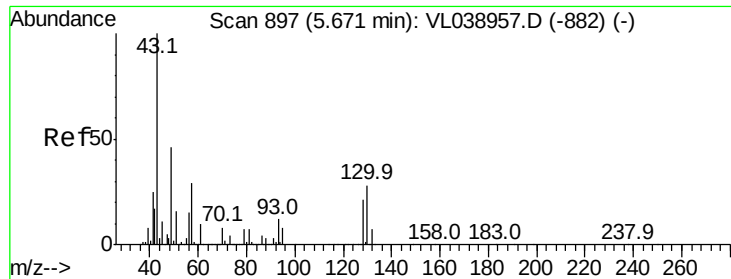
Lab File: VL039133.D

Acq: 31 May 2022 16:13

Tgt Ion: 63 Resp: 1440737

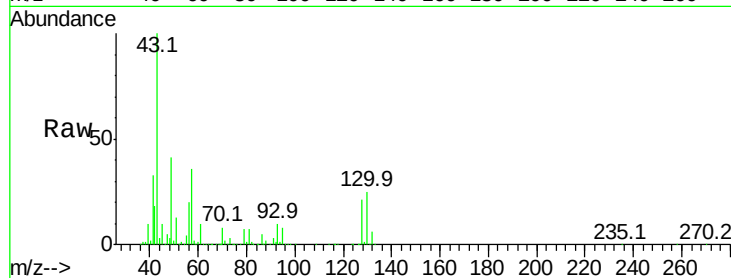
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	3.0	1.4	4.2



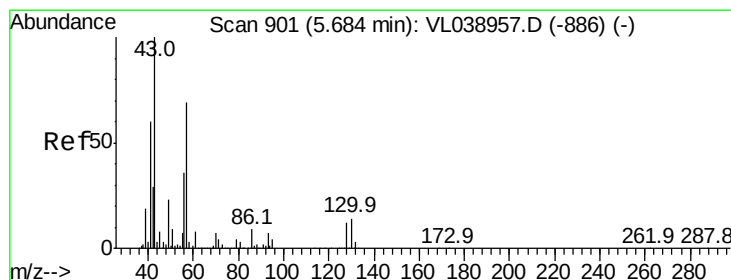
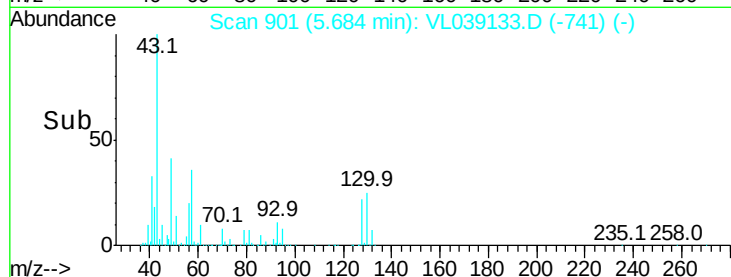
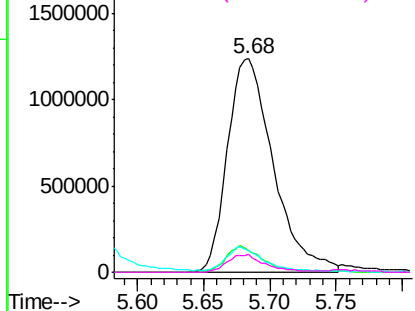


#25
Ethyl Acetate
Concen: 9.53 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDICCC010
Acq: 31 May 2022 16:13

Tgt Ion:	43	Resp:	2959394
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	10.5	7.8	11.6
70	7.0	5.6	8.4

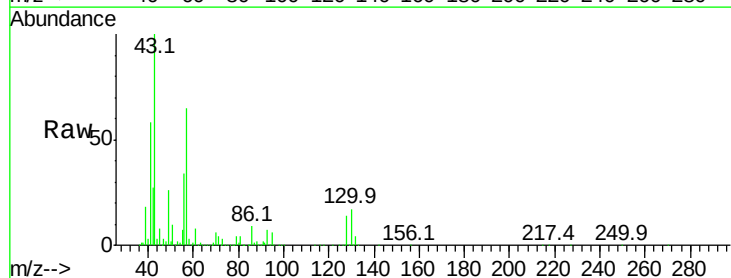


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

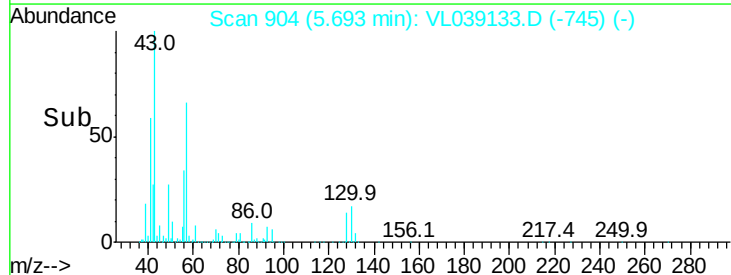
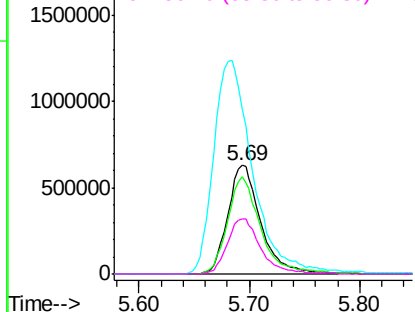


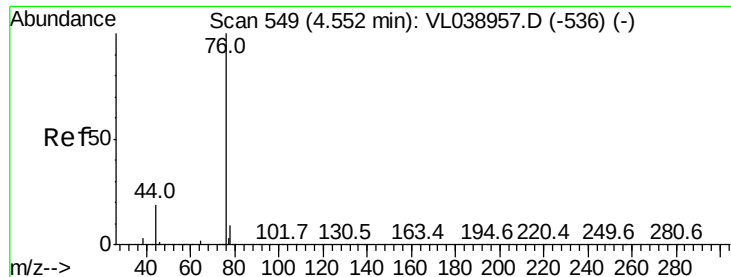
#26
Hexane
Concen: 9.46 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.01 min
Lab File: VL039133.D
Acq: 31 May 2022 16:13

Tgt Ion:	57	Resp:	1305278
Ion	Ratio	Lower	Upper
57	100		
41	90.5	75.2	112.8
43	233.8	190.8	286.2
56	52.2	43.0	64.6



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





#27

Carbon Disulfide

Concen: 11.28 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 16:13 VSTDICCC010

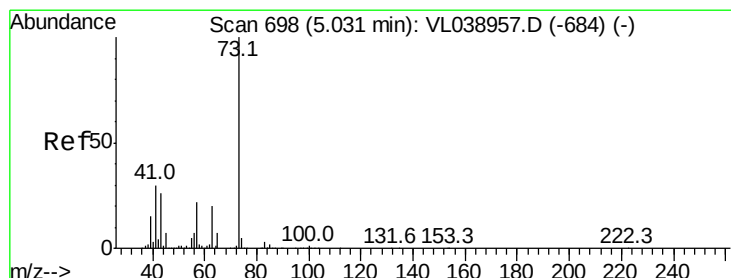
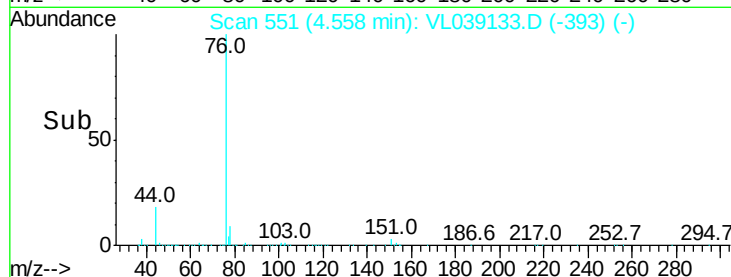
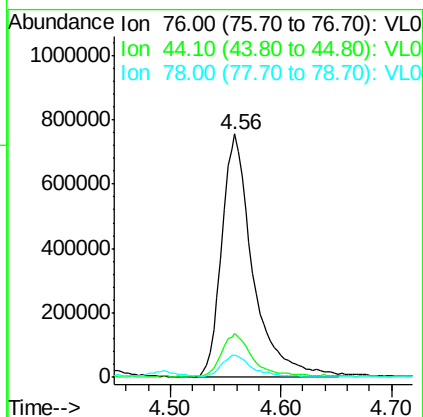
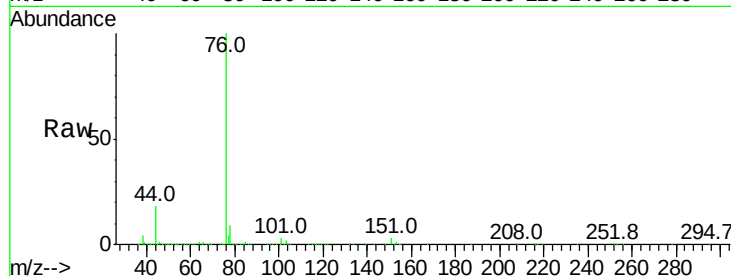
Tgt Ion: 76 Resp: 1478254

Ion Ratio Lower Upper

76 100

44 18.0 15.3 22.9

78 9.6 8.2 12.2



#28

Methyl tert-Butyl Ether

Concen: 13.36 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL039133.D

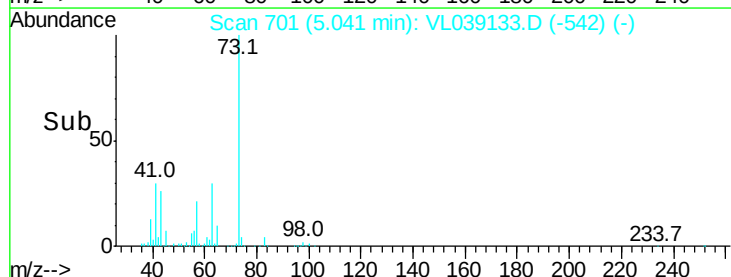
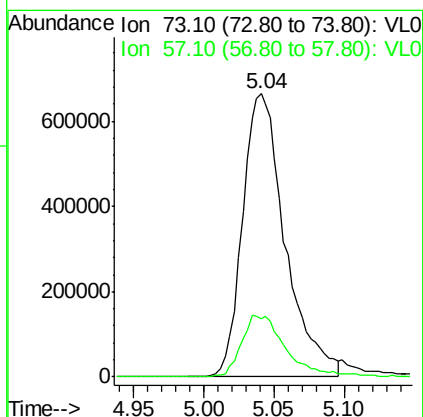
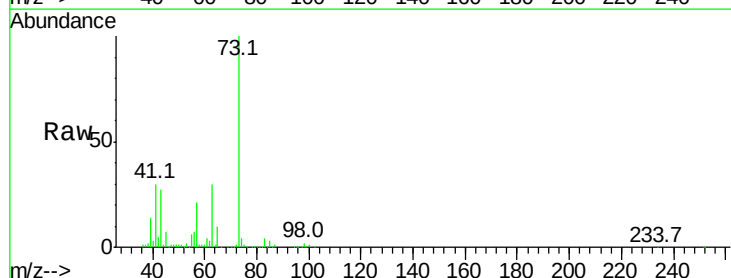
Acq: 31 May 2022 16:13

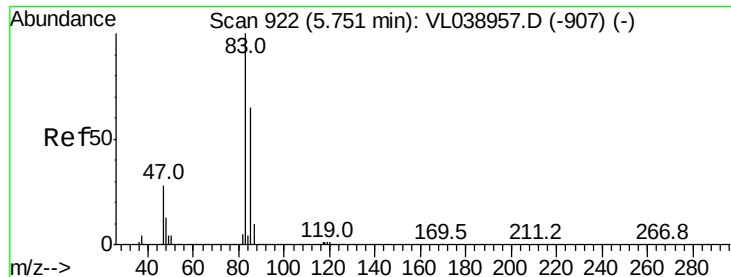
Tgt Ion: 73 Resp: 1402180

Ion Ratio Lower Upper

73 100

57 23.2 18.8 28.2





#29

Chloroform

Concen: 9.80 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDICCC010

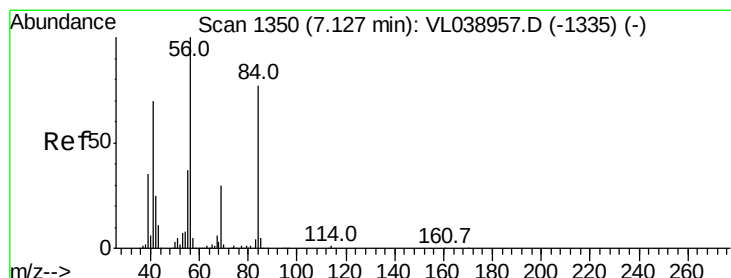
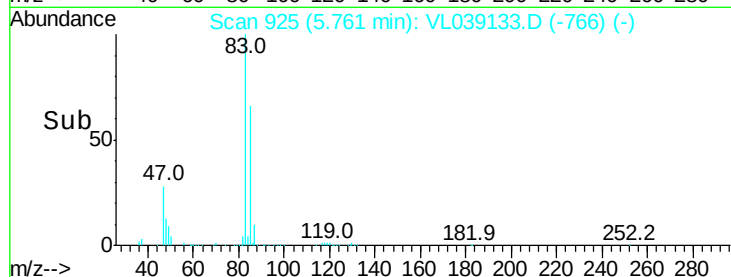
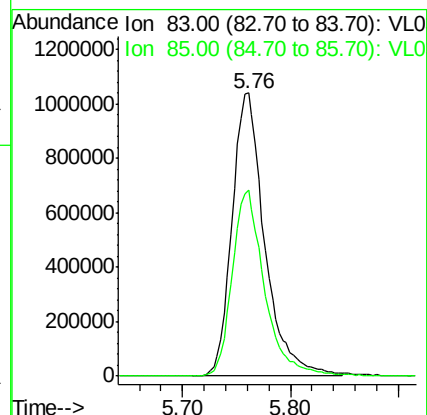
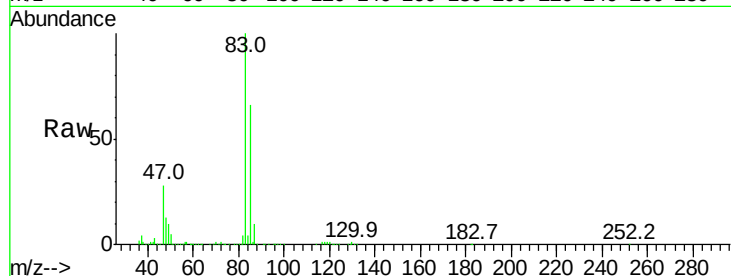
Acq: 31 May 2022 16:13

Tgt Ion: 83 Resp: 2186623

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6



#30

Cyclohexane

Concen: 9.38 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

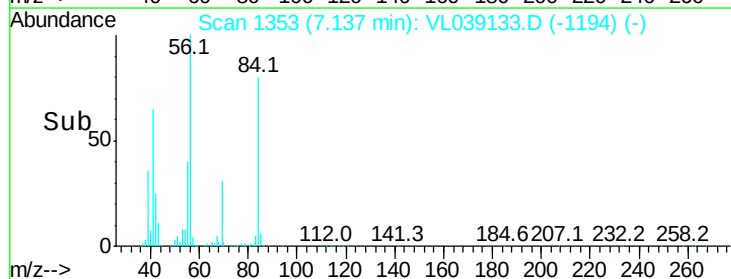
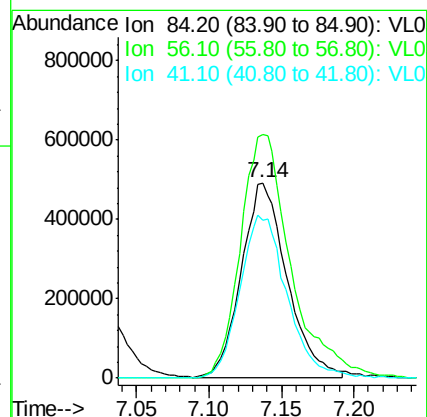
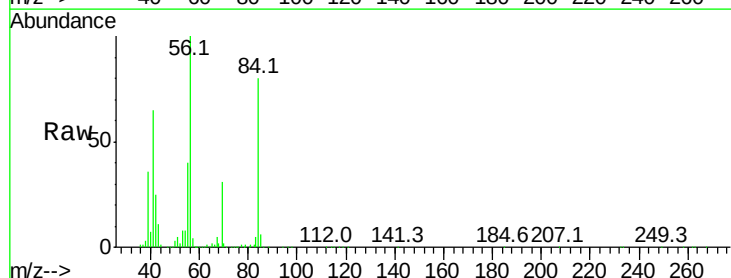
Tgt Ion: 84 Resp: 1082944

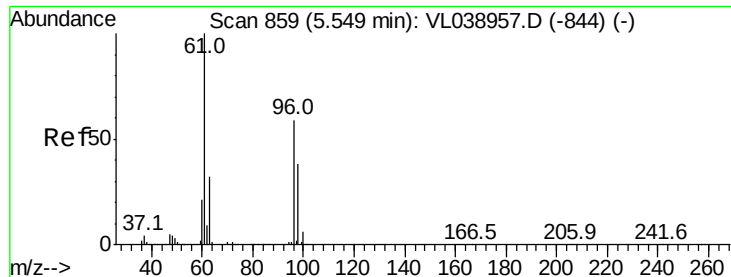
Ion Ratio Lower Upper

84 100

56 138.2 115.3 172.9

41 86.1 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 9.63 ppbv

RT: 5.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

Acq: 31 May 2022 16:13

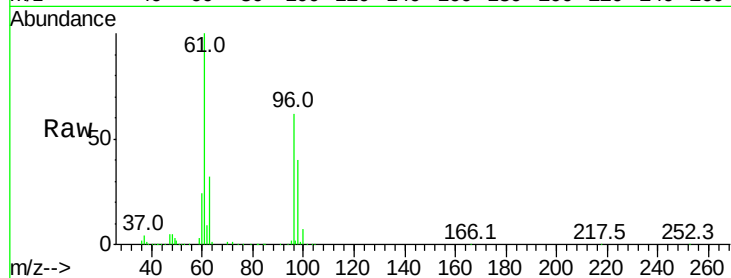
Tgt Ion: 61 Resp: 1354043

Ion Ratio Lower Upper

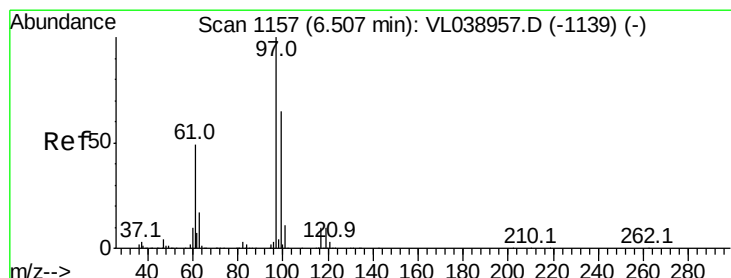
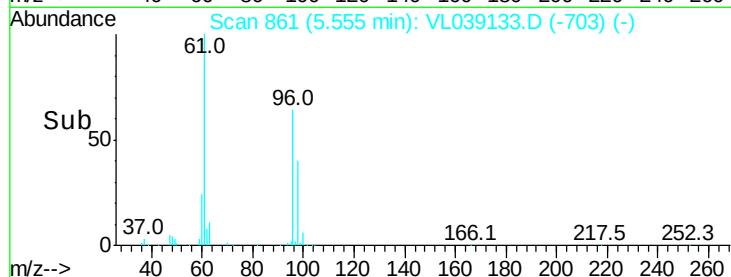
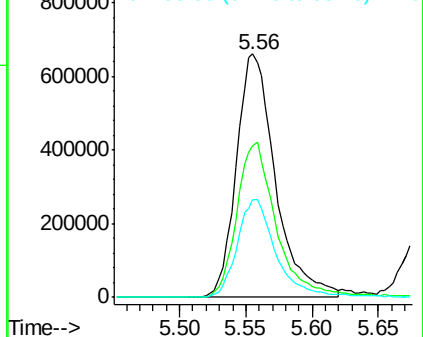
61 100

96 62.4 47.4 71.0

98 40.0 30.6 45.8



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



#32

1,1,1-Trichloroethane

Concen: 10.08 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

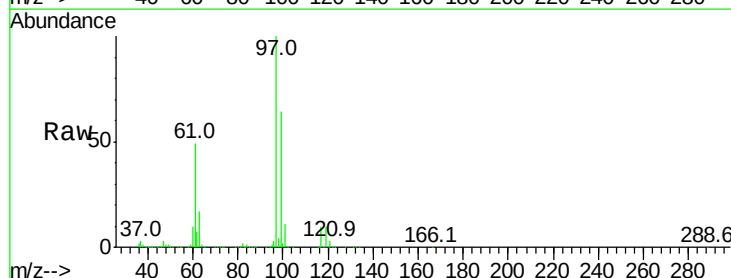
Tgt Ion: 97 Resp: 2249211

Ion Ratio Lower Upper

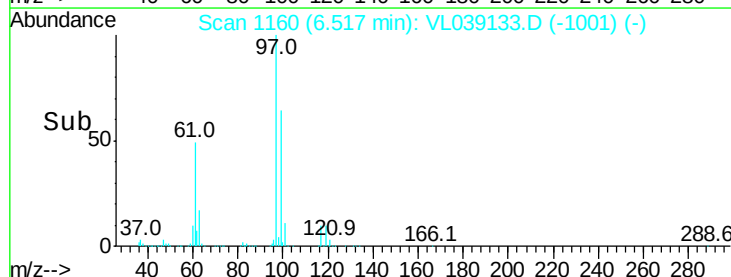
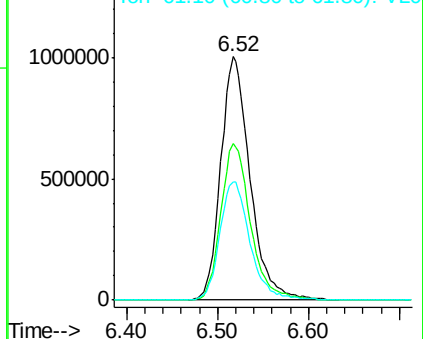
97 100

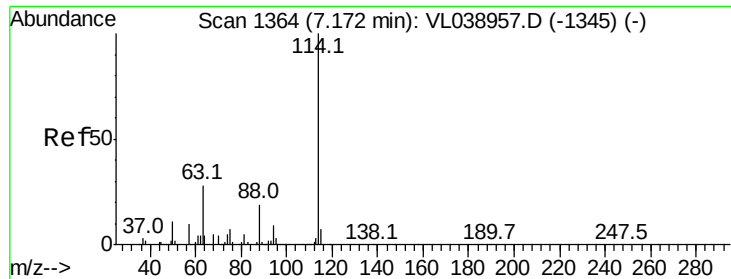
99 65.1 51.9 77.9

61 50.0 40.9 61.3



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

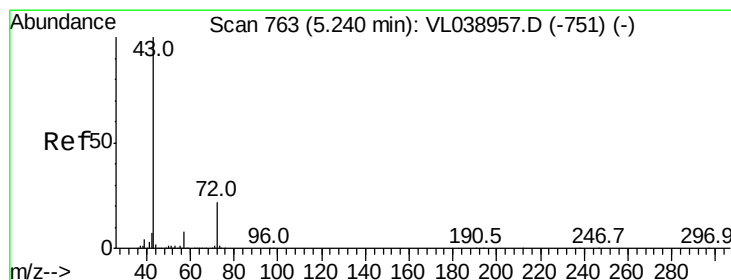
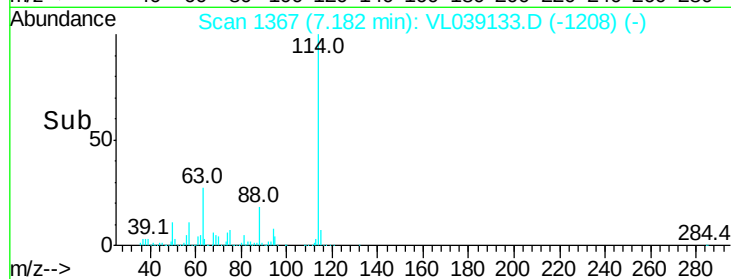
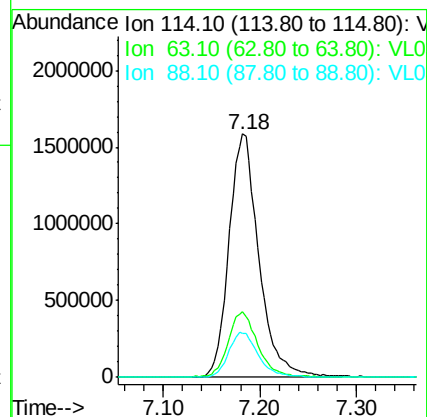
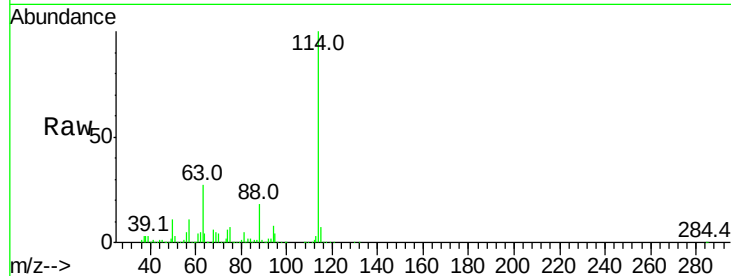




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 31 May 2022 16:13

Tgt Ion: 114 Resp: 3407387

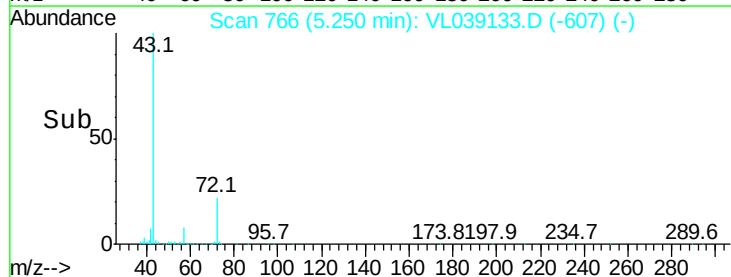
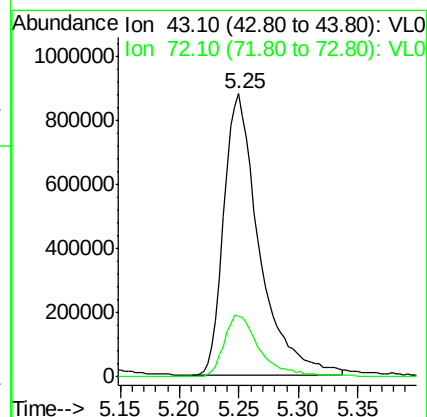
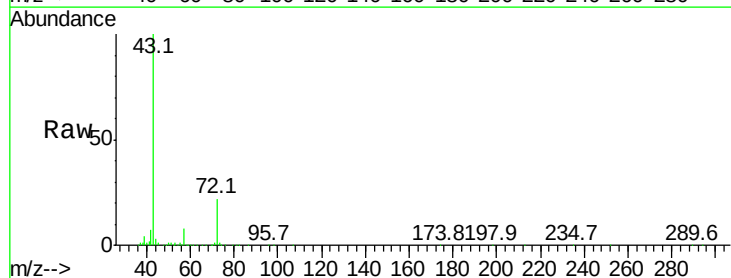
Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.6	33.8
88	18.5	15.4	23.0

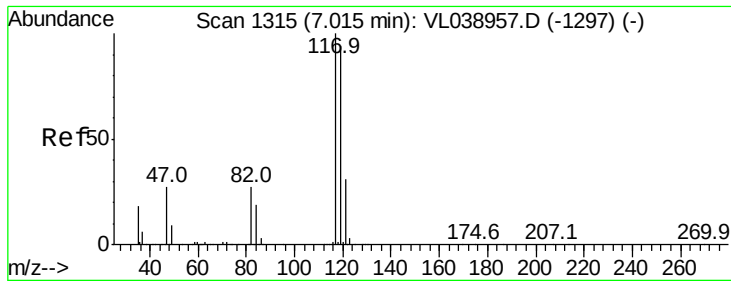


#34
 2-Butanone
 Concen: 10.50 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 43 Resp: 1825966

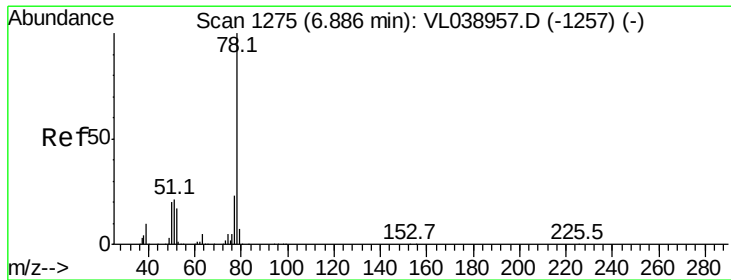
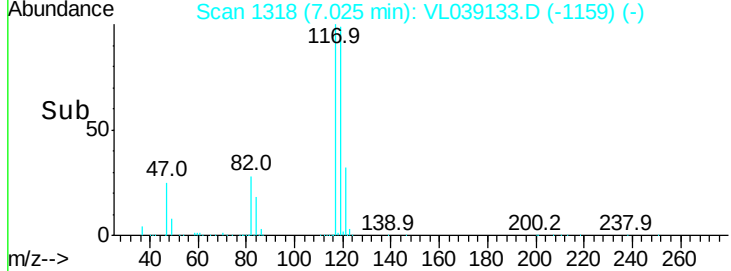
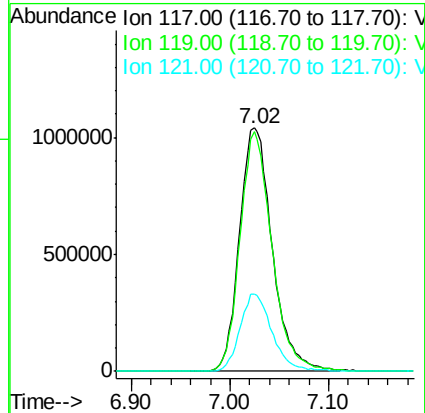
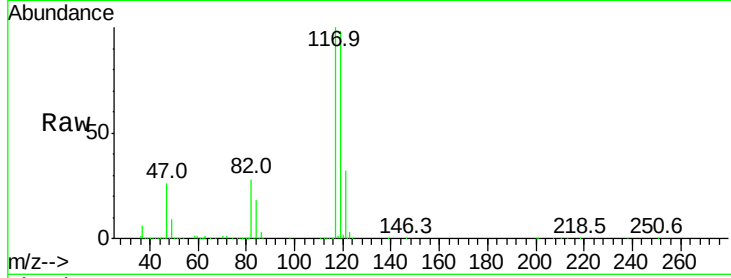
Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6





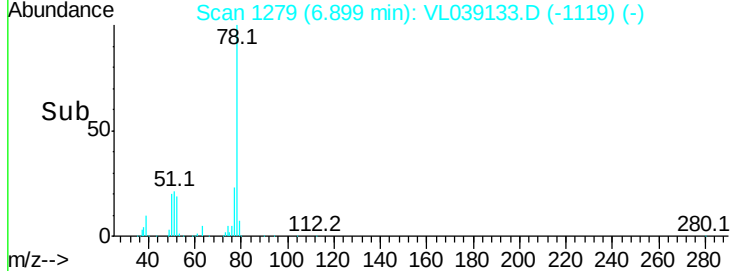
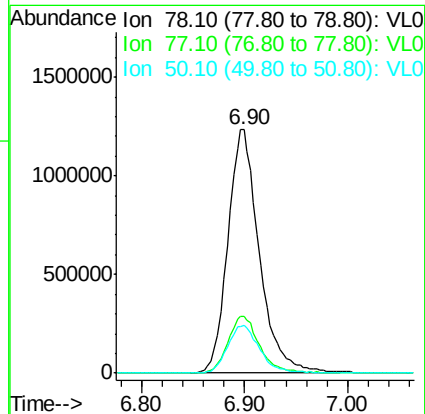
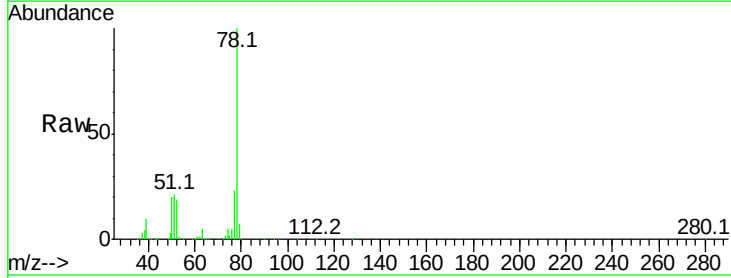
#35
 Carbon Tetrachloride
 Concen: 10.69 ppbv
 RT: 7.02
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VSTDICCC010
 Acq: 31 May 2022 16:13

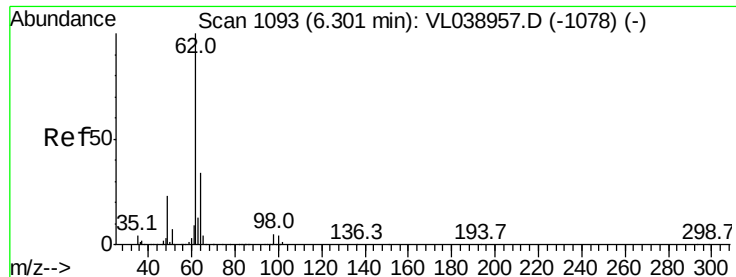
Tgt Ion: 117 Resp: 2400978
 Ion Ratio Lower Upper
 117 100
 119 98.3 75.2 112.8
 121 31.7 24.6 37.0



#36
 Benzene
 Concen: 9.01 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T.: 0.01 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 78 Resp: 2626420
 Ion Ratio Lower Upper
 78 100
 77 23.2 18.6 28.0
 50 19.8 15.6 23.4

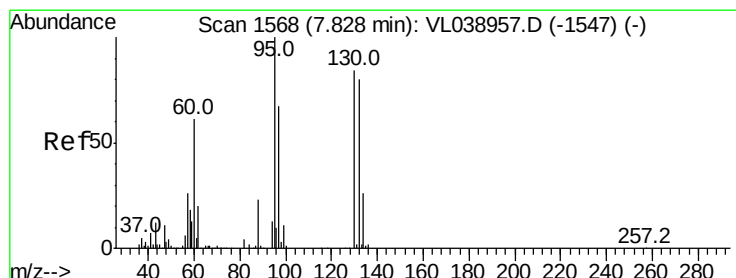
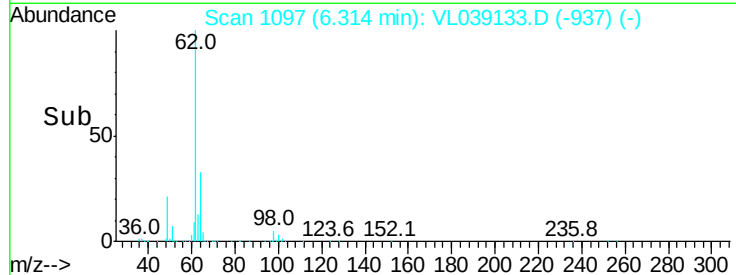
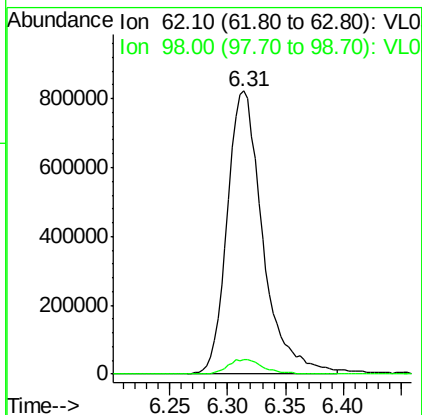
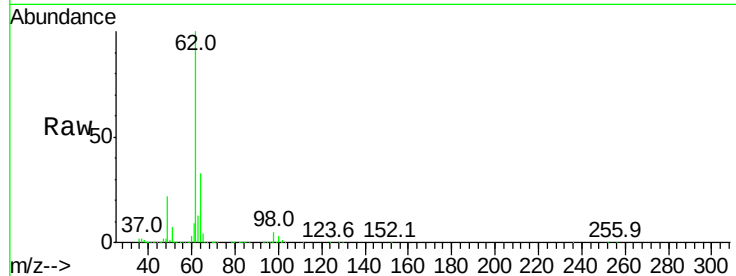




#37
 1,2-Dichloroethane
 Concen: 9.67 ppbv
 RT: 6.31
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 31 May 2022 16:13

Tgt Ion: 62 Resp: 1745354

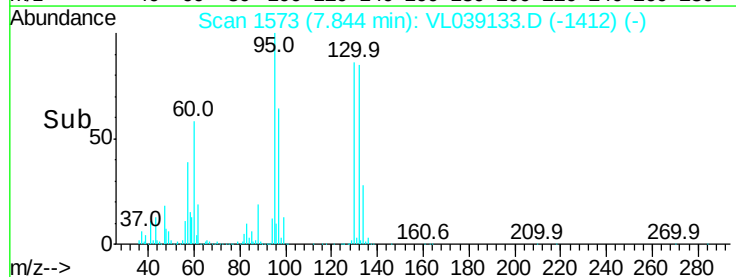
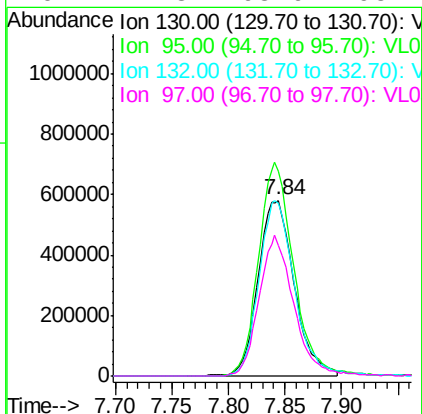
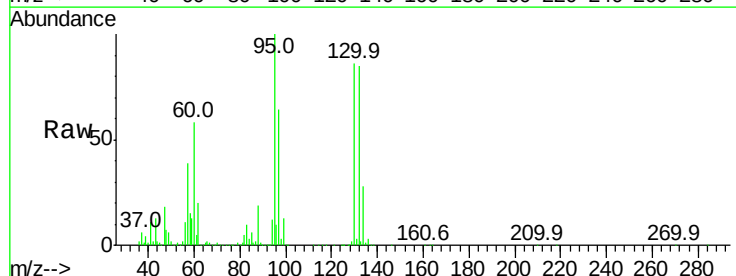
Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

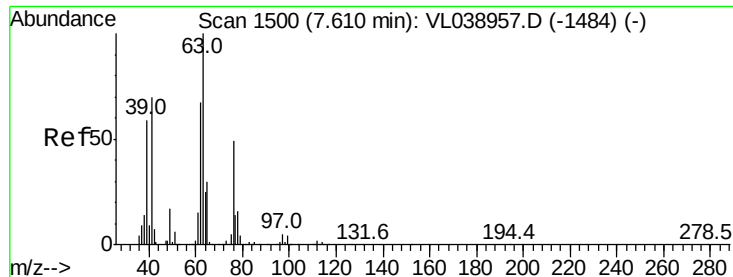


#38
 Trichloroethene
 Concen: 9.89 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 130 Resp: 1281945

Ion	Ratio	Lower	Upper
130	100		
95	116.6	94.8	142.2
132	98.7	75.8	113.8
97	74.3	63.6	95.4





#39

1,2-Dichloropropane

Concen: 9.12 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 31 May 2022 16:13 VSTDICCC010

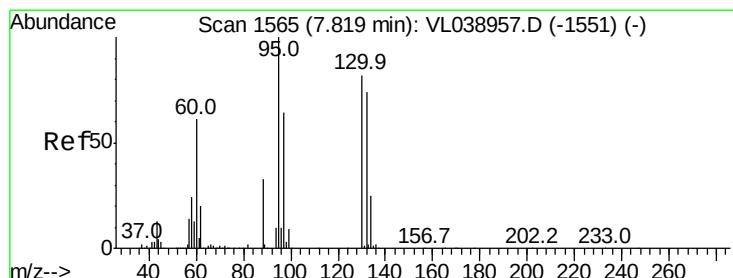
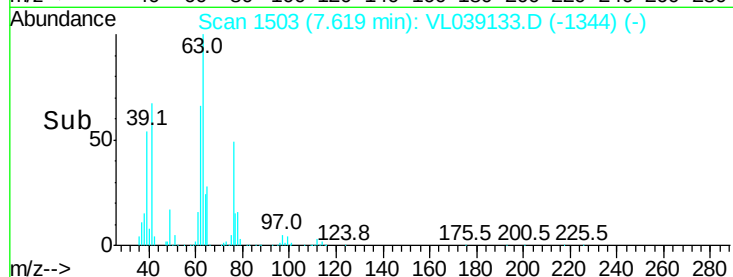
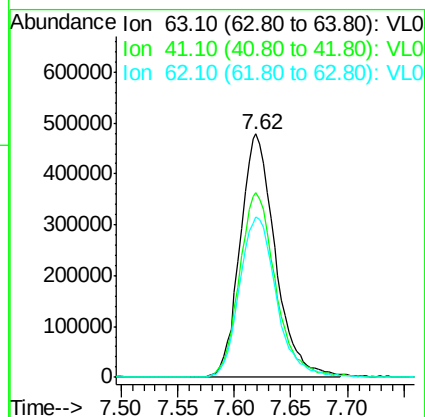
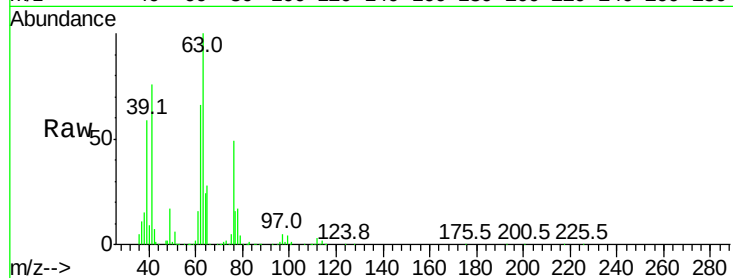
Tgt Ion: 63 Resp: 1035162

Ion Ratio Lower Upper

63 100

41 76.0 55.9 83.9

62 66.1 53.8 80.6



#40

1,4-Dioxane

Concen: 8.55 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

Tgt Ion: 88 Resp: 348354

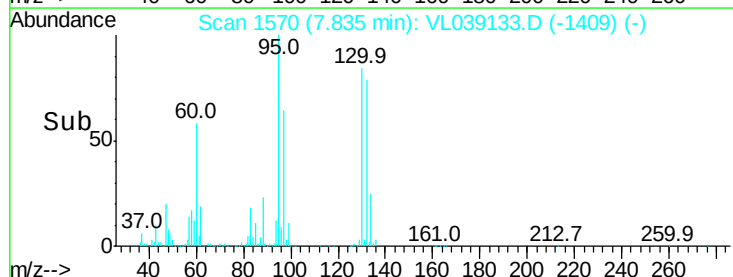
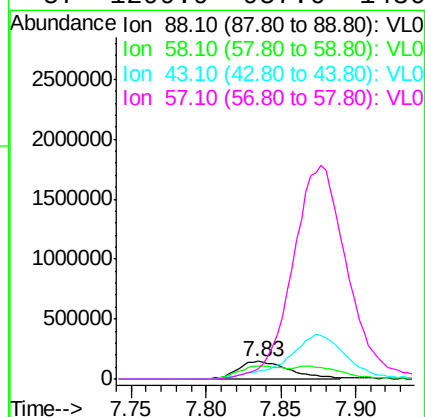
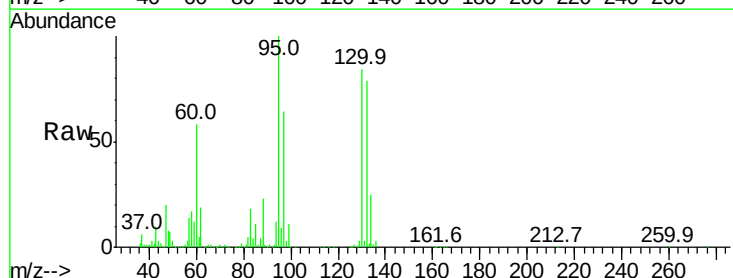
Ion Ratio Lower Upper

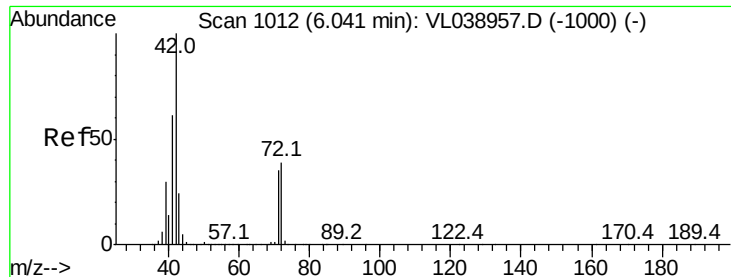
88 100

58 139.0 106.1 159.1

43 292.8 222.9 334.3

57 1299.9 957.6 1436.4





#41

Tetrahydrofuran

Concen: 9.21 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 31 May 2022 16:13 VSTDICCC010

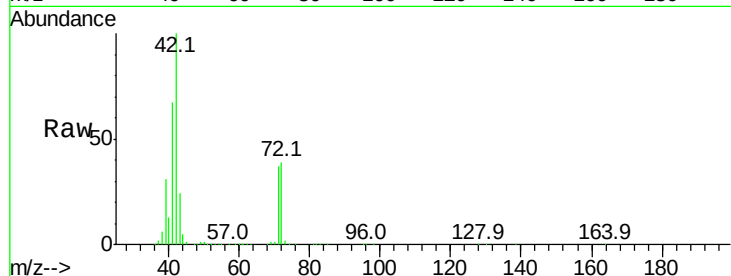
Tgt Ion: 42 Resp: 1075883

Ion Ratio Lower Upper

42 100

72 40.0 31.8 47.6

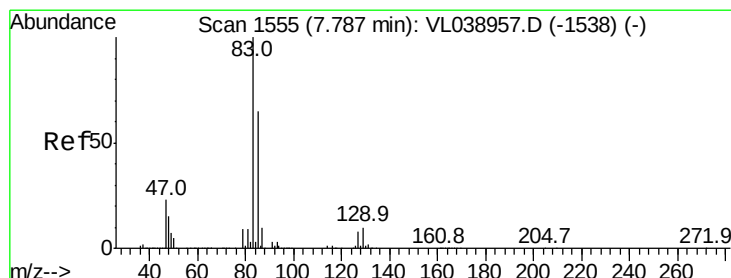
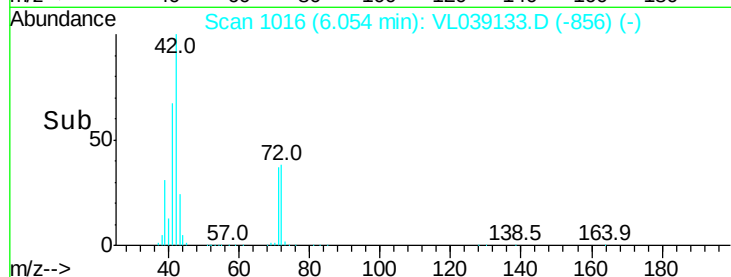
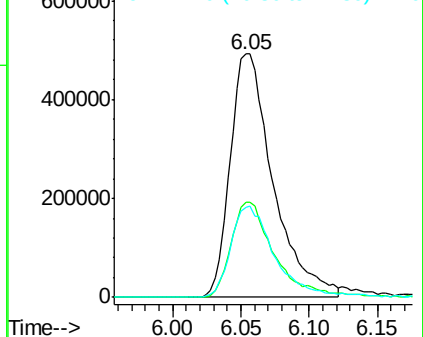
71 38.9 30.6 45.8



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: 9.89 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

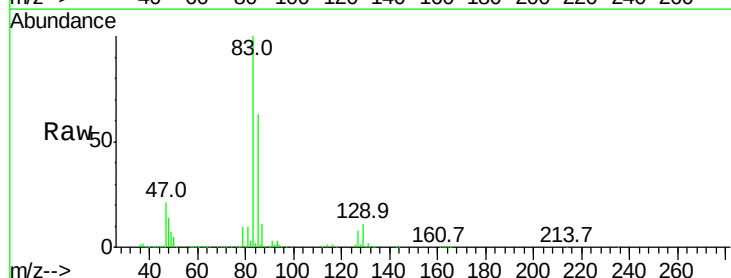
Tgt Ion: 83 Resp: 2439497

Ion Ratio Lower Upper

83 100

85 62.8 52.0 78.0

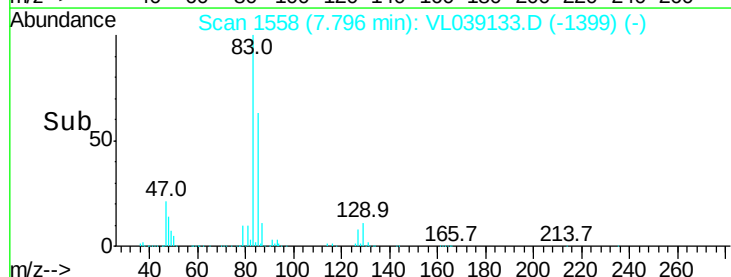
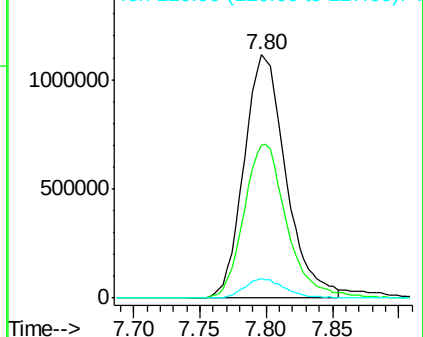
127 8.2 6.0 9.0

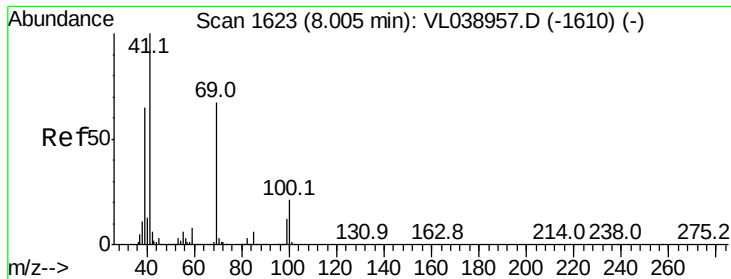


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.30 ppbv

RT: 8.02

Instrument: MSVOA_1

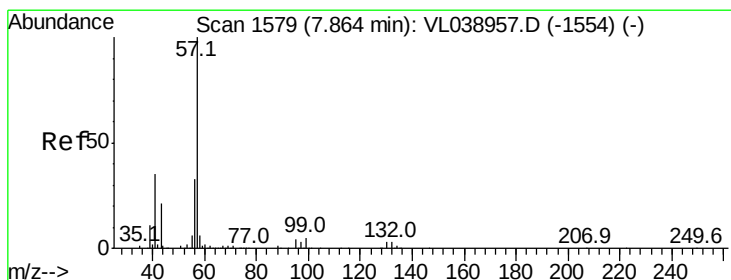
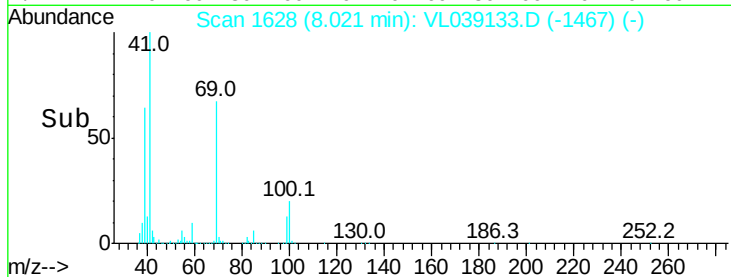
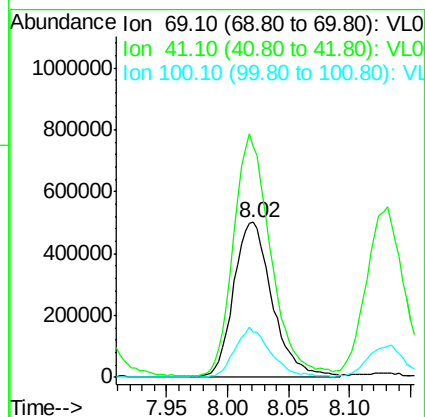
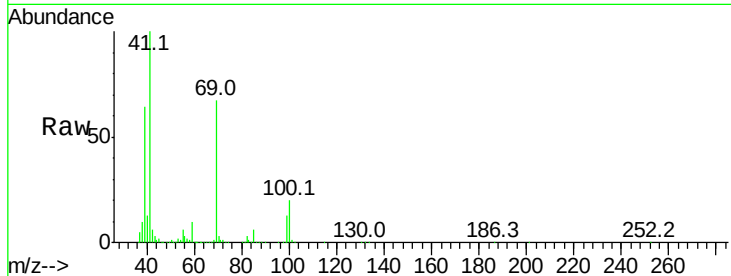
Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

Acq: 31 May 2022 16:13

Tgt Ion: 69 Resp: 1100902

Ion	Ratio	Lower	Upper
69	100		
41	152.4	121.9	182.9
100	30.1	24.6	36.8



#44

2,2,4-Trimethylpentane

Concen: 8.81 ppbv

RT: 7.88 min Scan# 1583

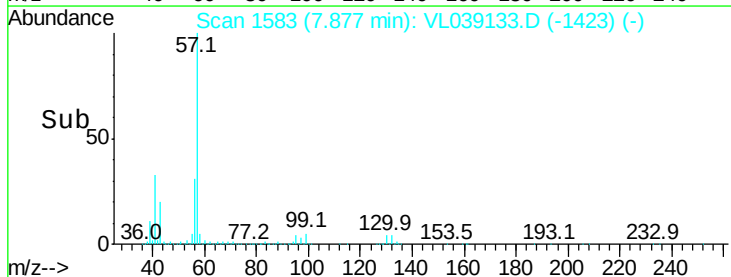
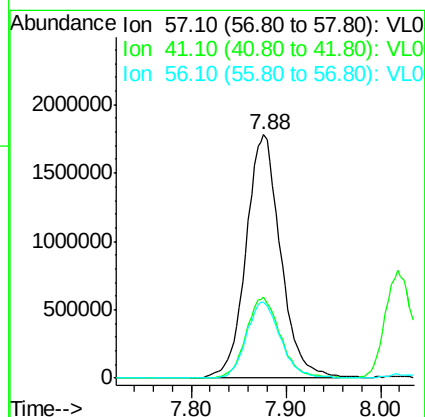
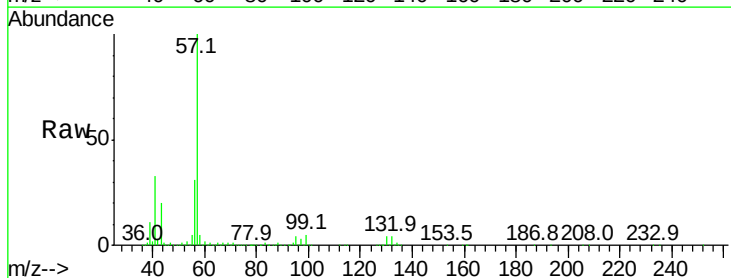
Delta R.T. 0.01 min

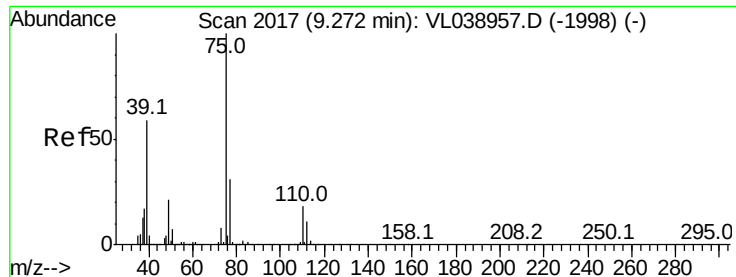
Lab File: VL039133.D

Acq: 31 May 2022 16:13

Tgt Ion: 57 Resp: 4506771

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.3	39.5
56	30.9	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 11.41 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

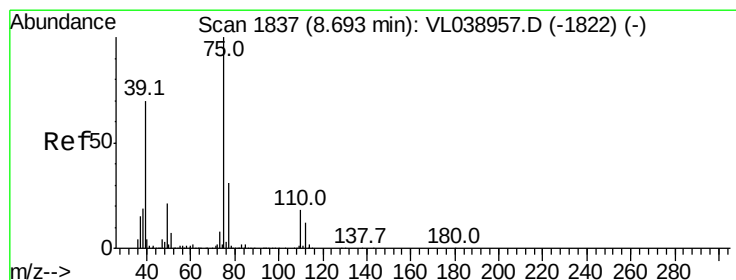
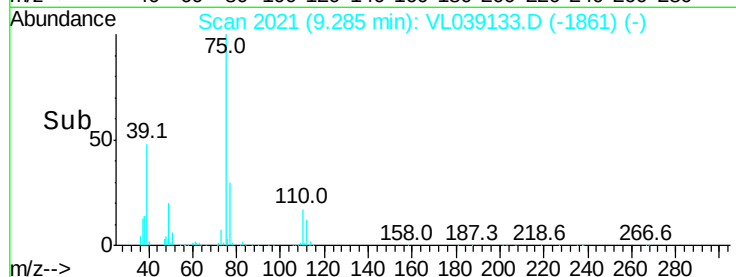
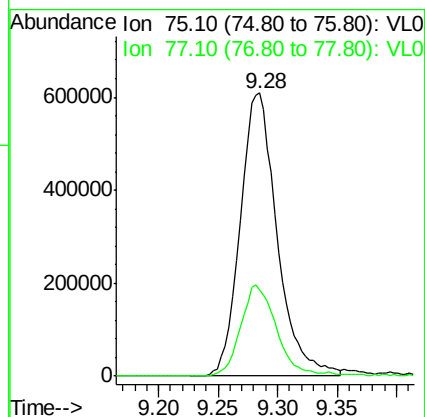
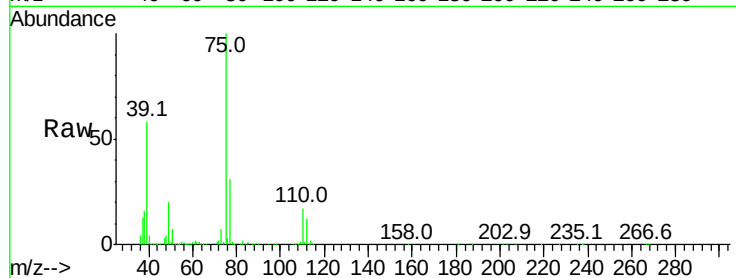
Acq: 31 May 2022 16:13 VSTDICCC010

Tgt Ion: 75 Resp: 1307198

Ion Ratio Lower Upper

75 100

77 30.5 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.54 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.02 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

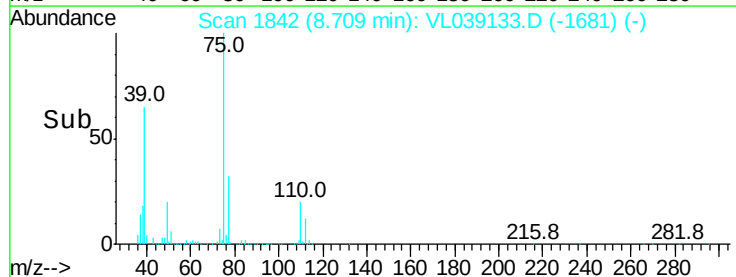
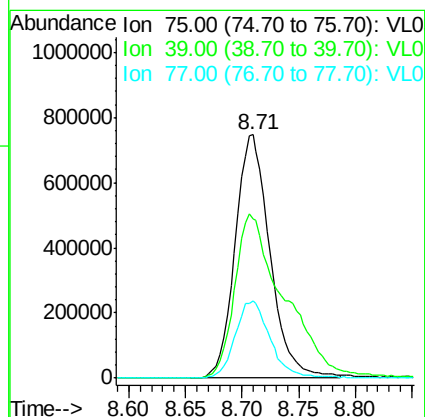
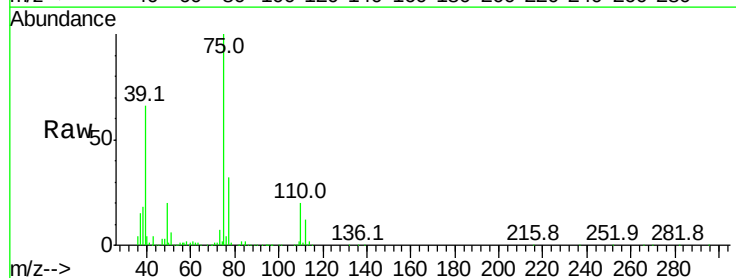
Tgt Ion: 75 Resp: 1600921

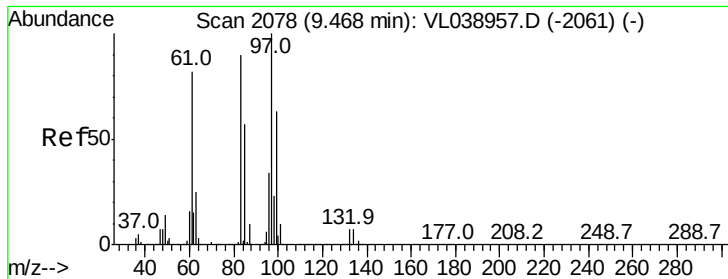
Ion Ratio Lower Upper

75 100

39 65.5 55.8 83.6

77 31.9 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 9.35 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 16:13 VSTDICCC010

Tgt Ion: 97 Resp: 1103216

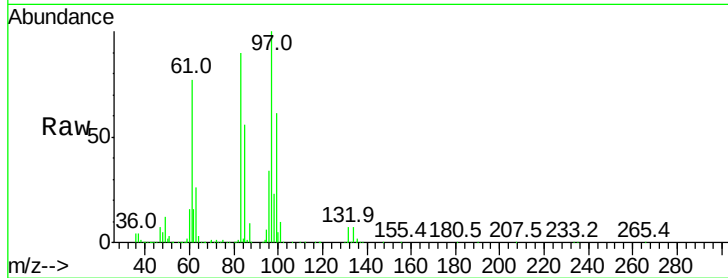
Ion Ratio Lower Upper

97 100

83 89.5 72.0 108.0

85 56.0 45.7 68.5

99 61.2 50.2 75.4

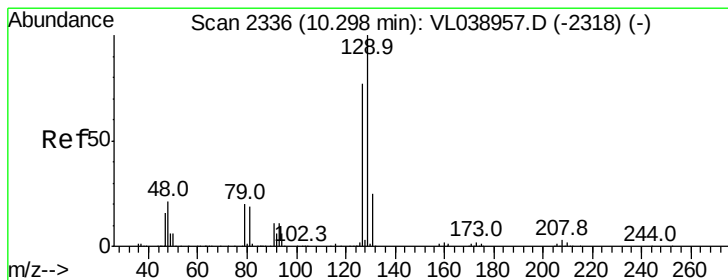
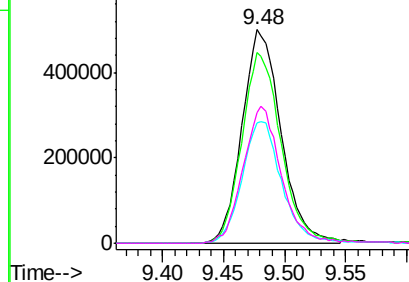
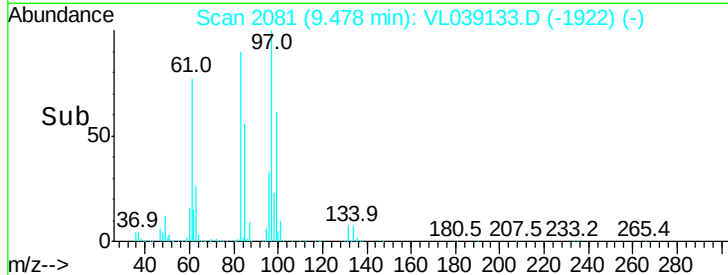


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.82 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.01 min

Lab File: VL039133.D

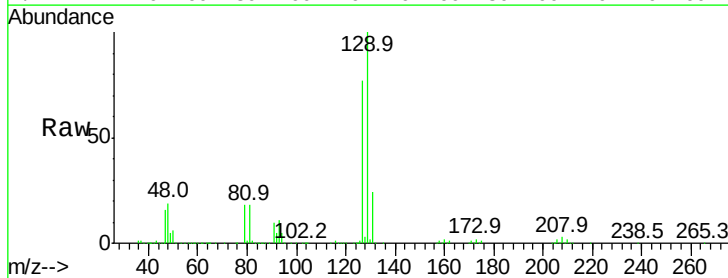
Acq: 31 May 2022 16:13

Tgt Ion: 129 Resp: 2077394

Ion Ratio Lower Upper

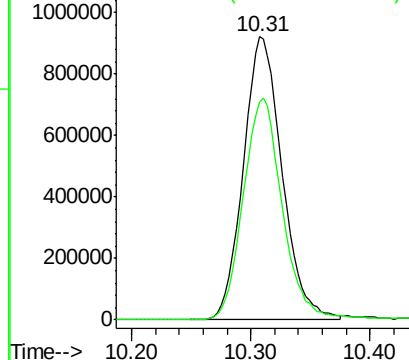
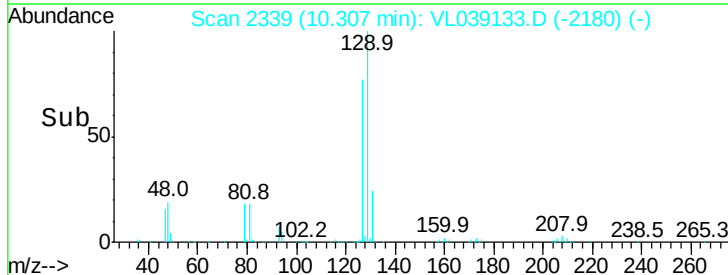
129 100

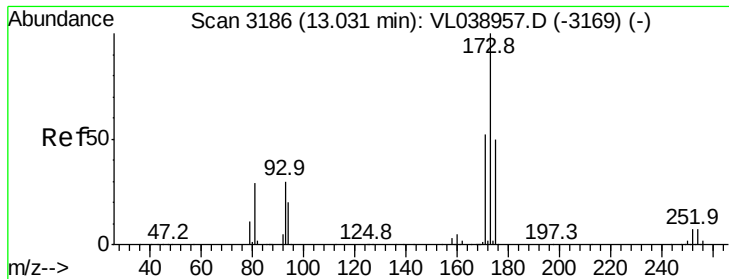
127 79.9 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.89 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 16:13

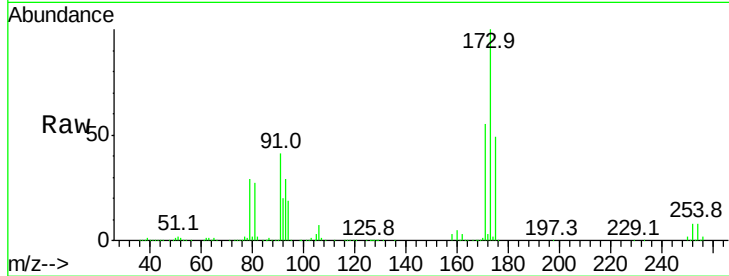
Tgt Ion:173 Resp: 1741338

Ion Ratio Lower Upper

173 100

175 50.2 41.0 61.6

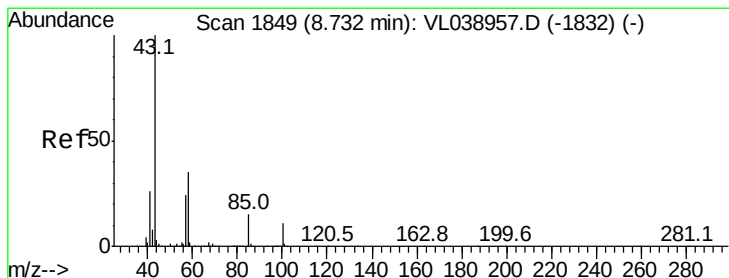
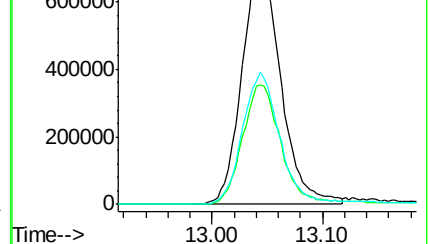
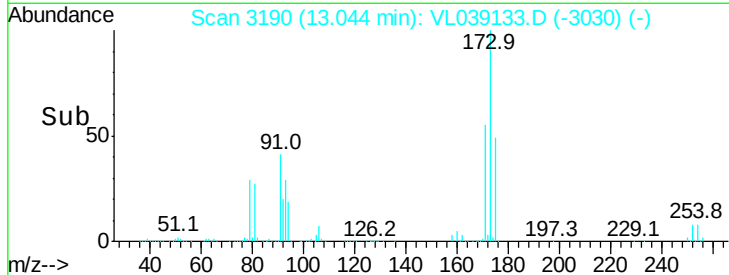
171 54.9 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.12 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL039133.D

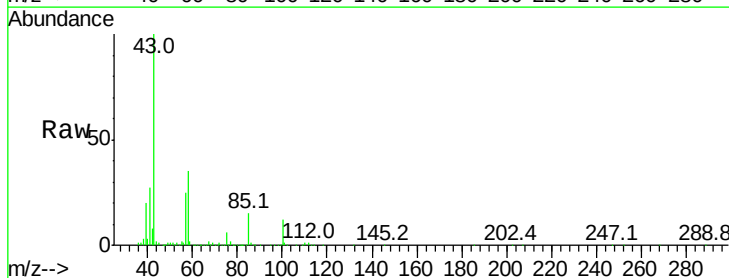
Acq: 31 May 2022 16:13

Tgt Ion: 43 Resp: 2779143

Ion Ratio Lower Upper

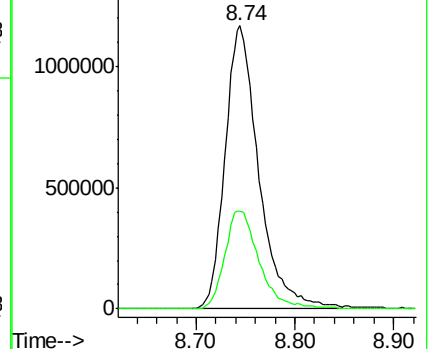
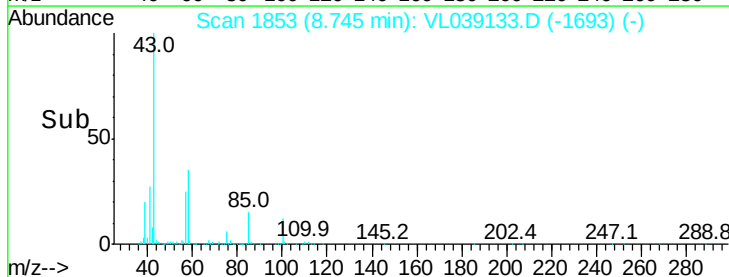
43 100

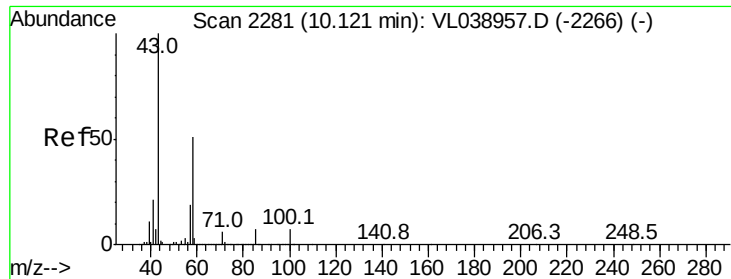
58 35.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.68 ppbv

RT: 10.14

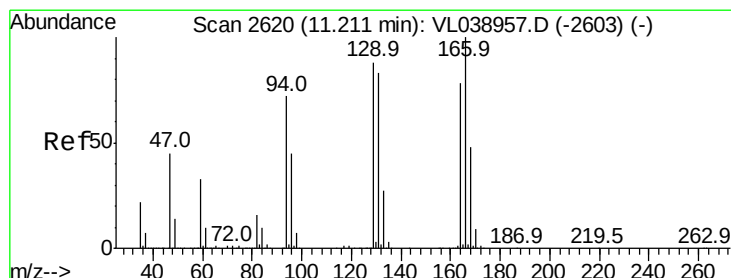
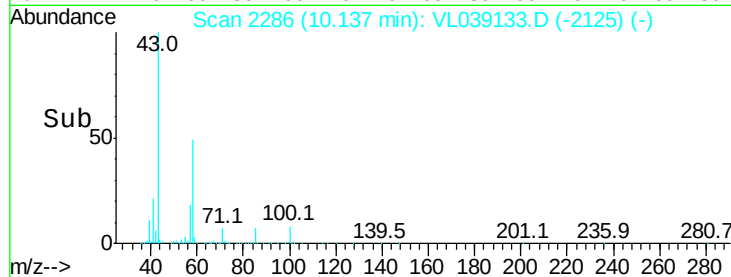
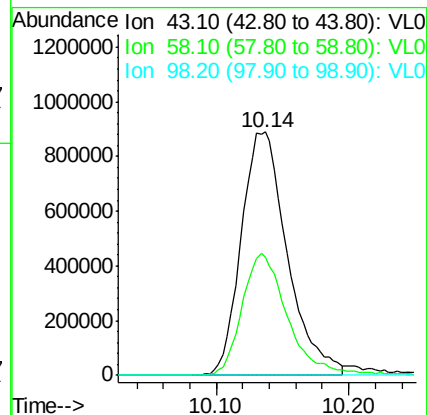
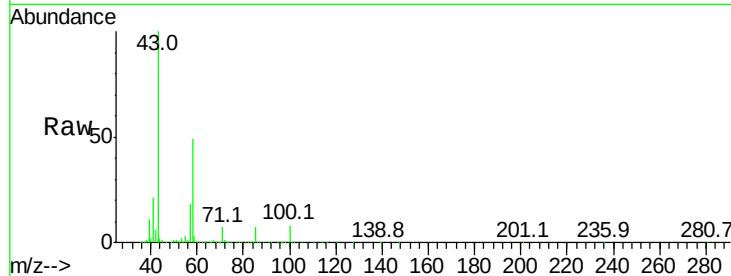
Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 31 May 2022 16:13

Tgt Ion: 43 Resp: 2153677

Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.3	58.9
98	0.1	0.2	0.2#



#52

Tetrachloroethene

Concen: 9.56 ppbv

RT: 11.23 min Scan# 2626

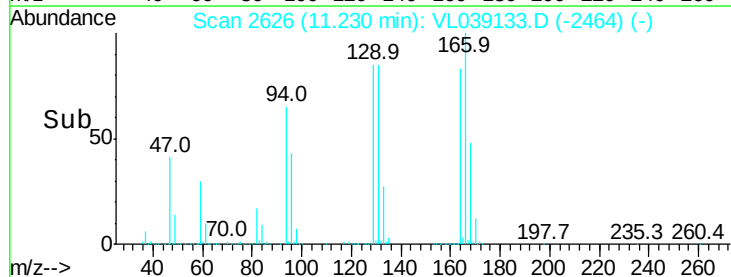
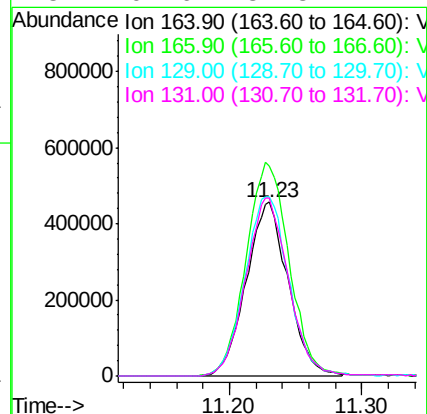
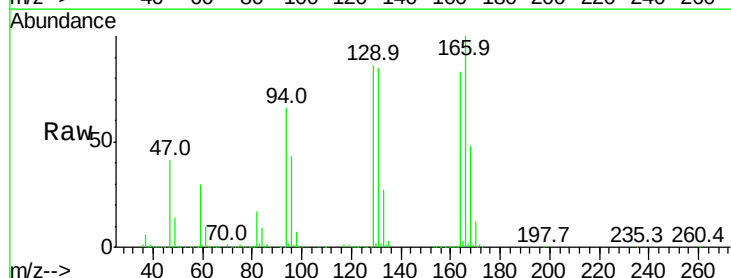
Delta R.T. 0.02 min

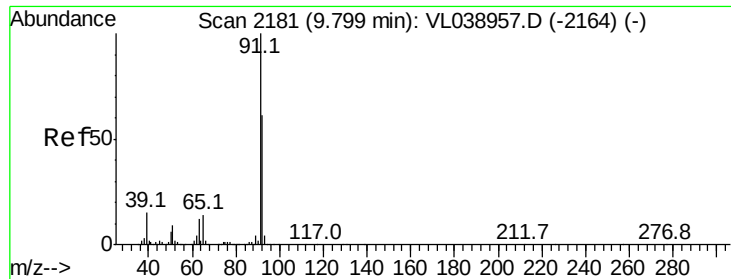
Lab File: VL039133.D

Acq: 31 May 2022 16:13

Tgt Ion: 164 Resp: 996581

Ion	Ratio	Lower	Upper
164	100		
166	120.4	102.5	153.7
129	103.1	90.1	135.1
131	102.6	84.8	127.2





#53

Toluene

Concen: 9.37 ppbv

RT: 9.81 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDICCC010

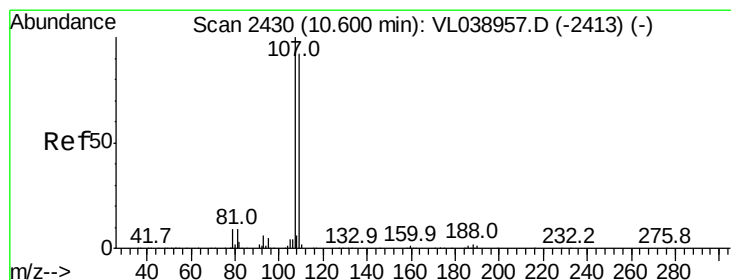
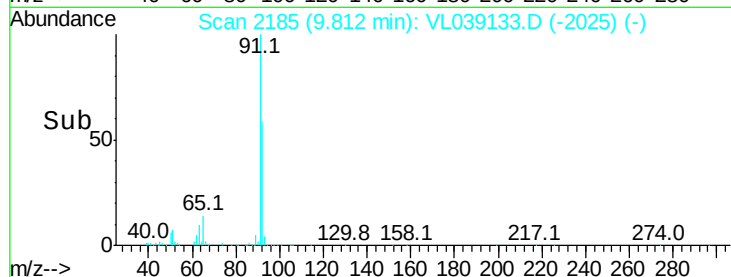
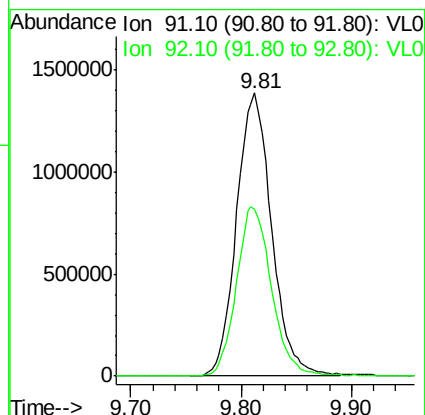
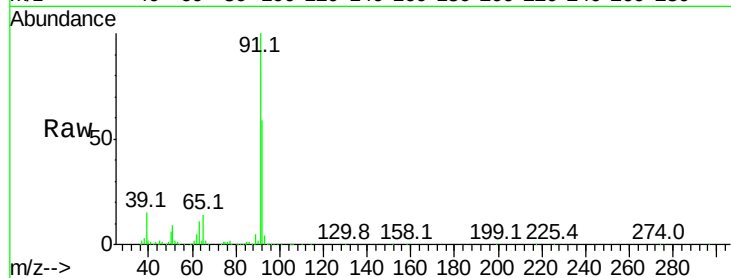
Acq: 31 May 2022 16:13

Tgt Ion: 91 Resp: 3062422

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.55 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL039133.D

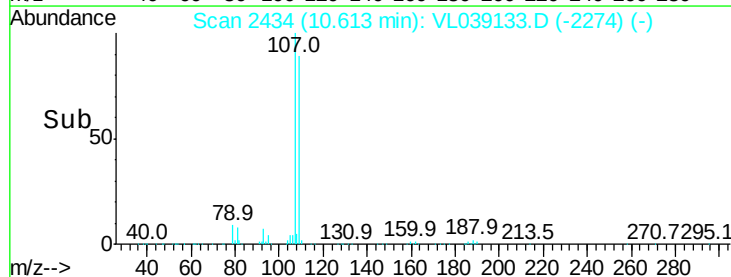
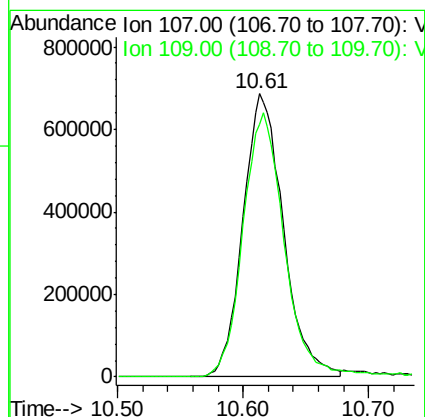
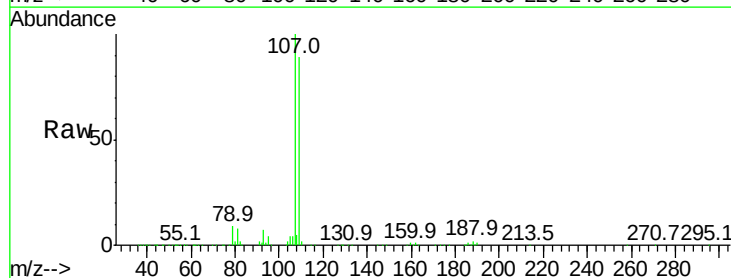
Acq: 31 May 2022 16:13

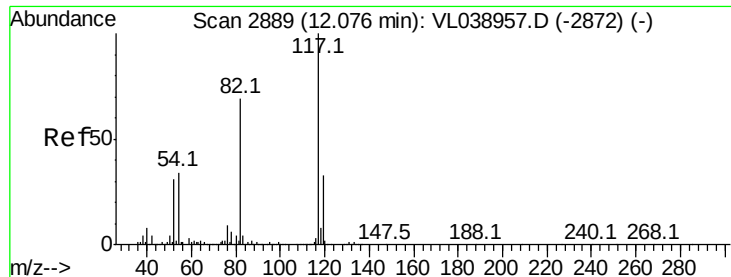
Tgt Ion: 107 Resp: 1534920

Ion Ratio Lower Upper

107 100

109 89.2 73.8 110.8

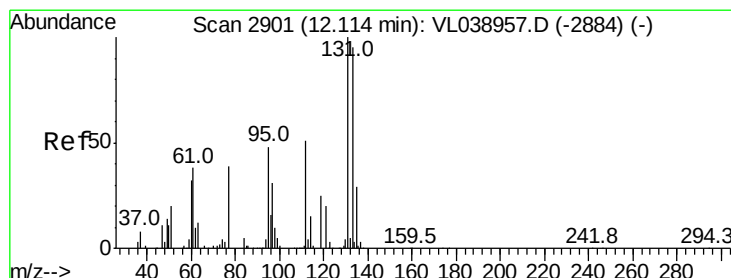
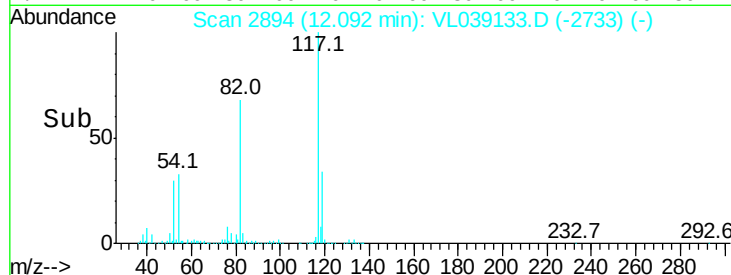
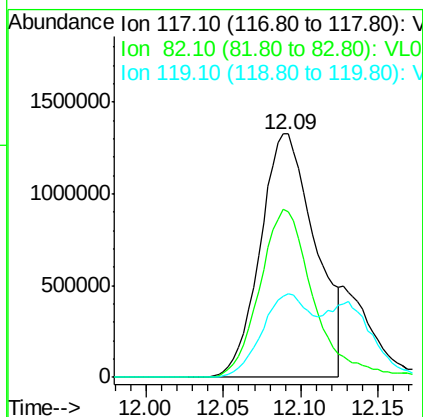
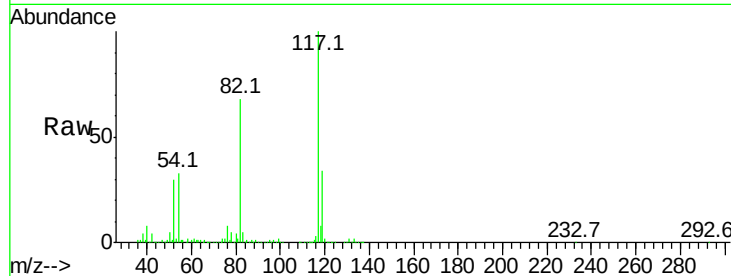




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId : VSTDICCC010
Acq: 31 May 2022 16:13

Tgt Ion:117 Resp: 3278293

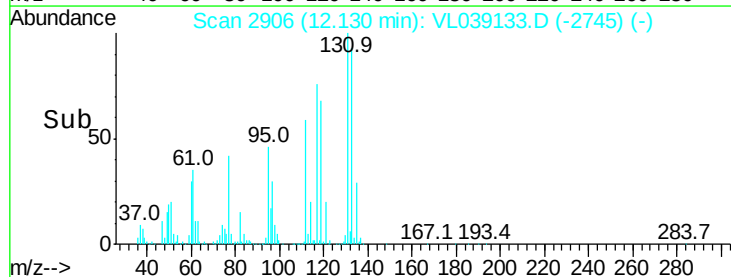
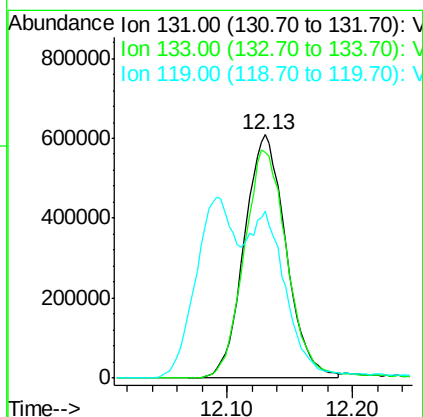
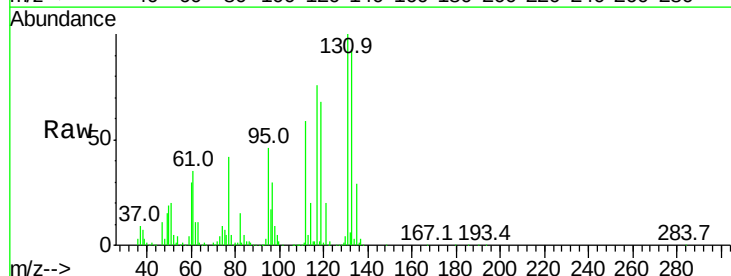
Ion	Ratio	Lower	Upper
117	100		
82	68.9	57.0	85.6
119	30.9	27.2	40.8

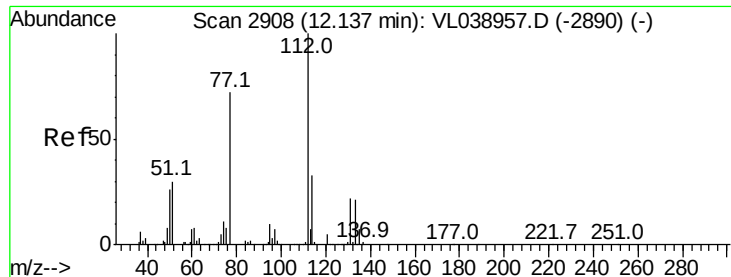


#56
1,1,1,2-Tetrachloroethane
Concen: 9.79 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: 0.02 min
Lab File: VL039133.D
Acq: 31 May 2022 16:13

Tgt Ion:131 Resp: 1408089

Ion	Ratio	Lower	Upper
131	100		
133	98.2	76.9	115.3
119	64.6	47.4	71.0





#57

Chlorobenzene

Concen: 9.15 ppbv

RT: 12.15

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 31 May 2022 16:13

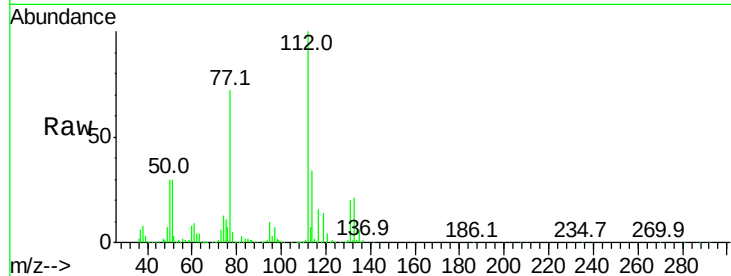
Tgt Ion: 112 Resp: 2248776

Ion Ratio Lower Upper

112 100

77 70.6 57.7 86.5

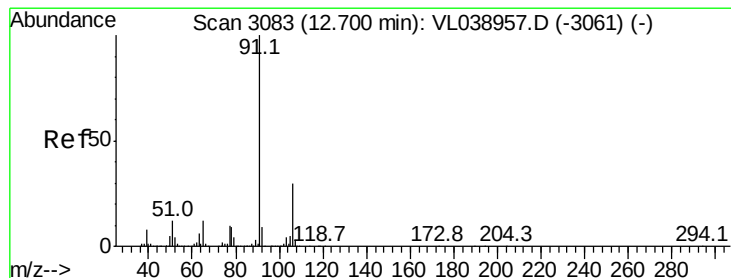
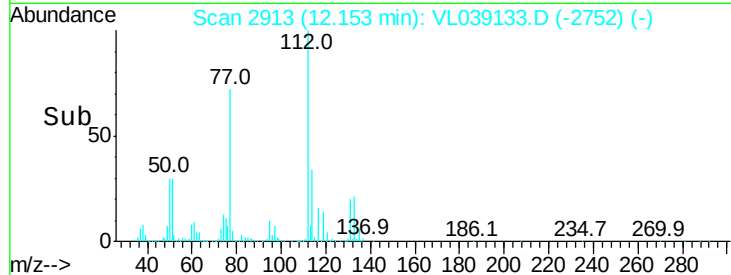
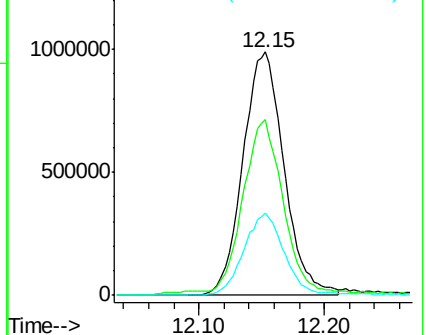
114 33.7 30.1 36.7



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: 8.80 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.02 min

Lab File: VL039133.D

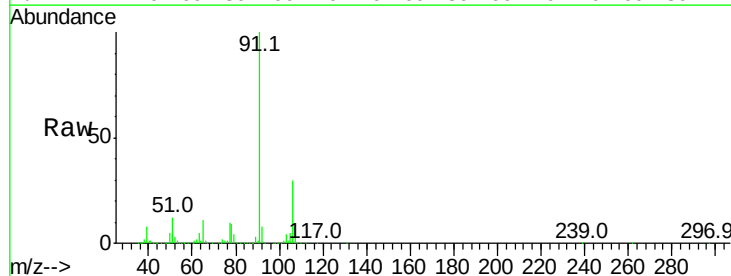
Acq: 31 May 2022 16:13

Tgt Ion: 91 Resp: 4150993

Ion Ratio Lower Upper

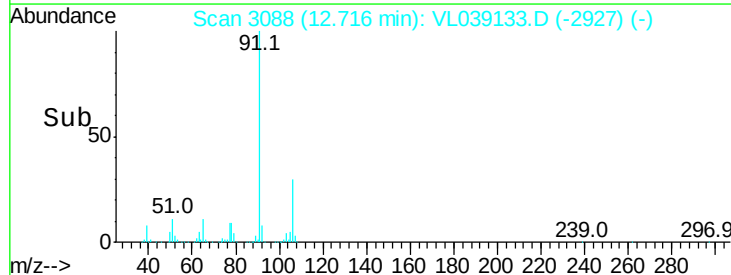
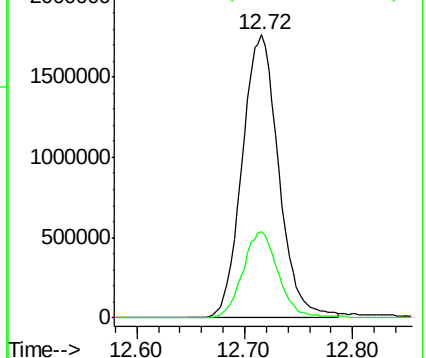
91 100

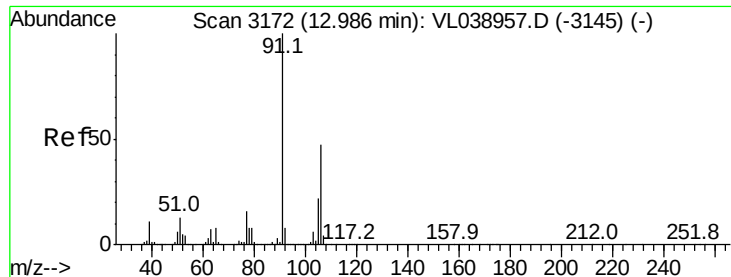
106 30.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

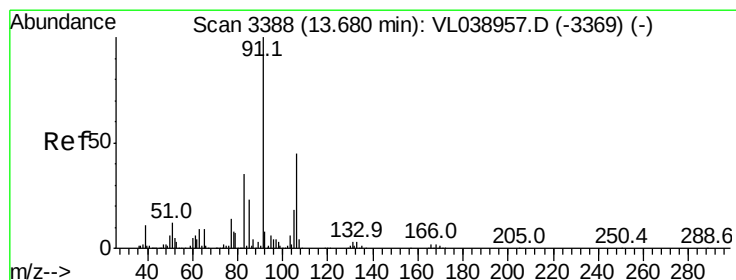
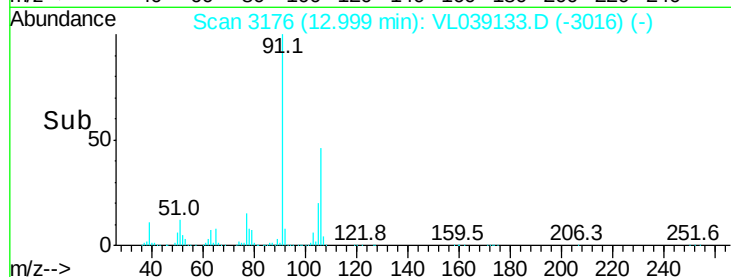
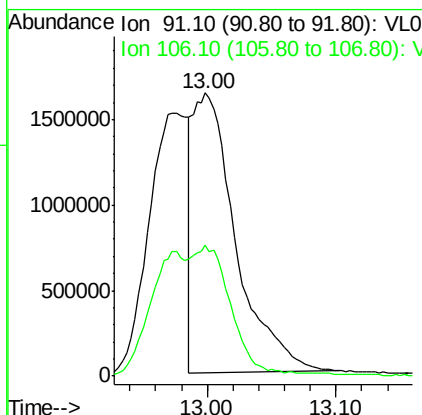
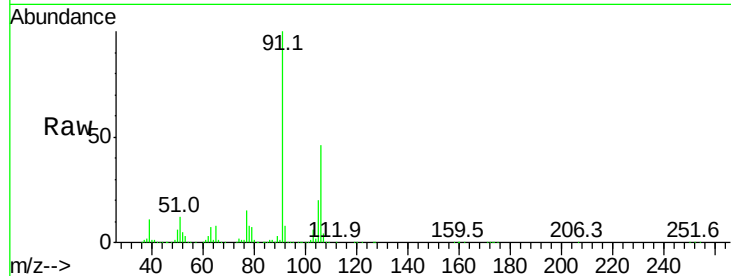
Ion 106.10 (105.80 to 106.80): V





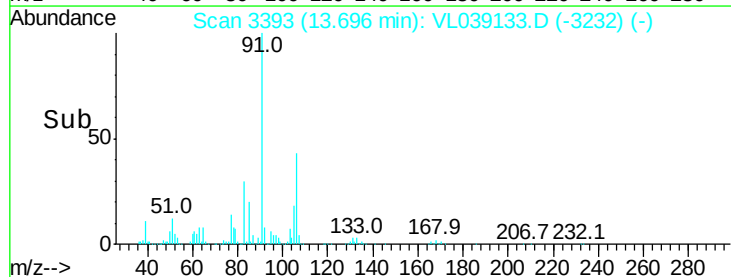
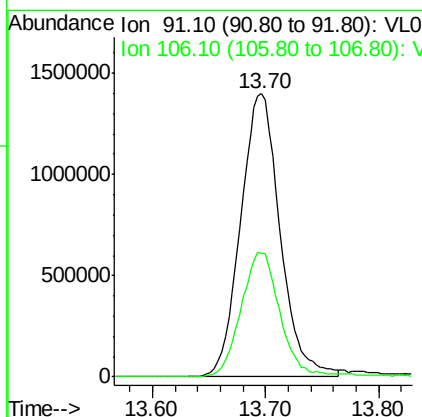
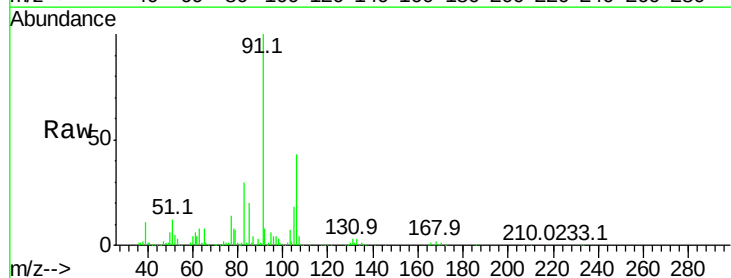
#59
m/p-Xylene
Concen: 9.38 ppbv
RT: 13.00 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 31 May 2022 16:13

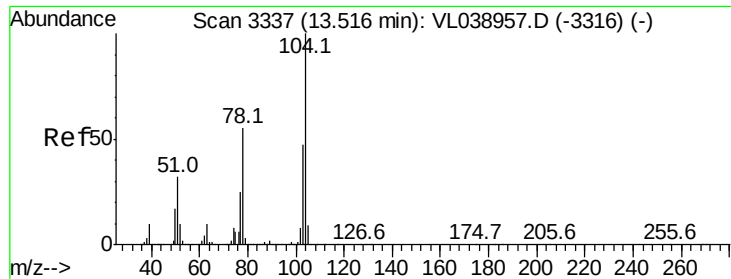
Tgt Ion: 91 Resp: 3775913
Ion Ratio Lower Upper
91 100
106 82.1 34.6 52.0#



#60
o-Xylene
Concen: 8.96 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL039133.D
Acq: 31 May 2022 16:13

Tgt Ion: 91 Resp: 3395773
Ion Ratio Lower Upper
91 100
106 44.6 22.2 66.6





#61

Styrene

Concen: 9.61 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 16:13

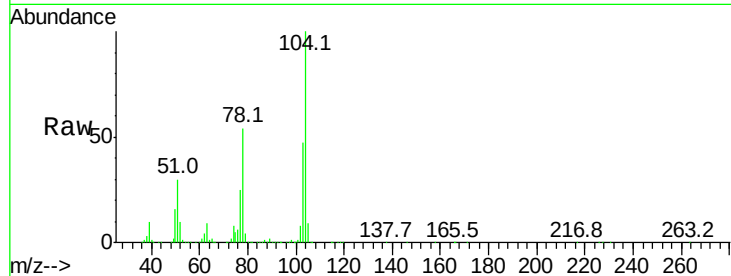
Tgt Ion:104 Resp: 1944880

Ion Ratio Lower Upper

104 100

78 57.1 46.4 69.6

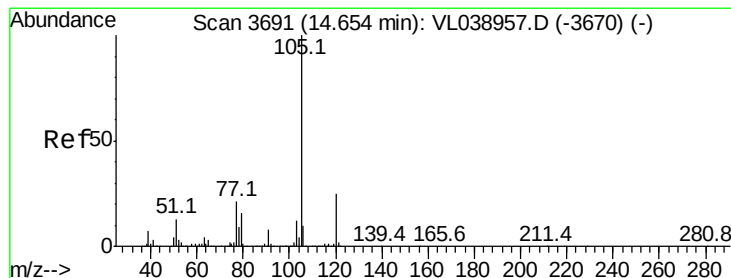
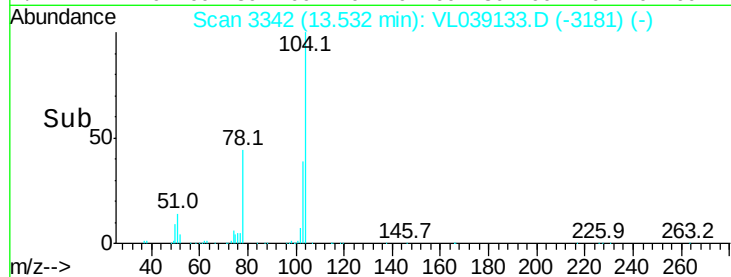
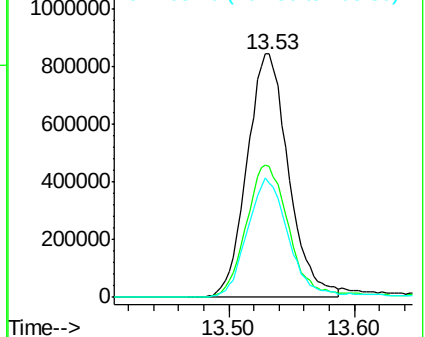
103 49.5 39.3 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.93 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL039133.D

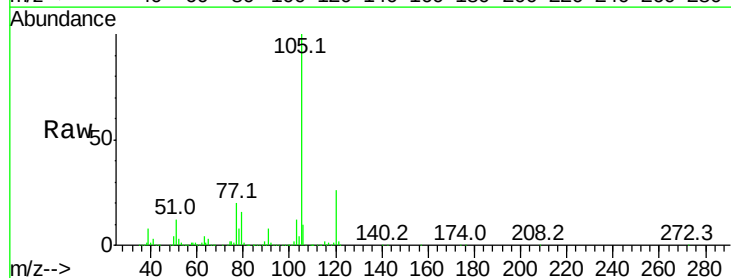
Acq: 31 May 2022 16:13

Tgt Ion:105 Resp: 4947878

Ion Ratio Lower Upper

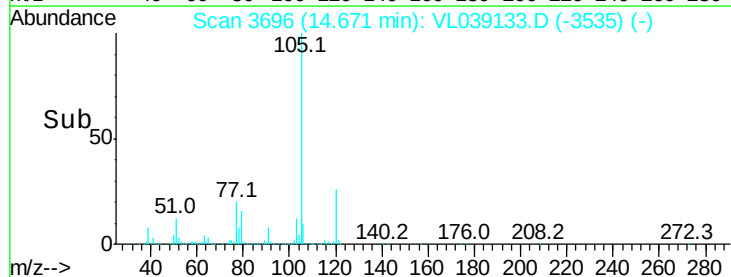
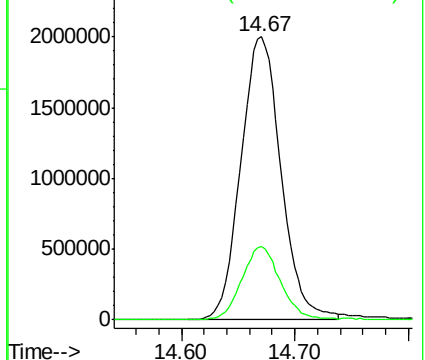
105 100

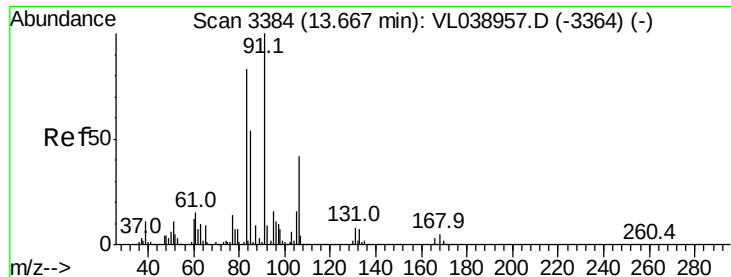
120 25.4 20.5 30.7



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: 8.19 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 16:13

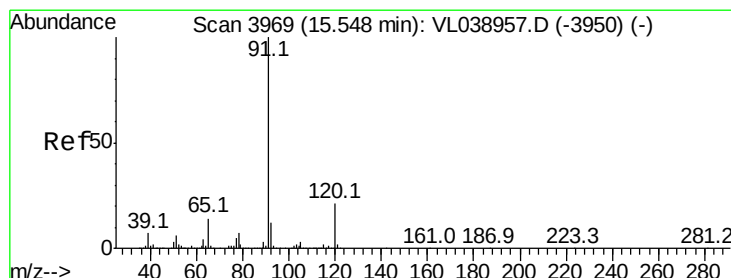
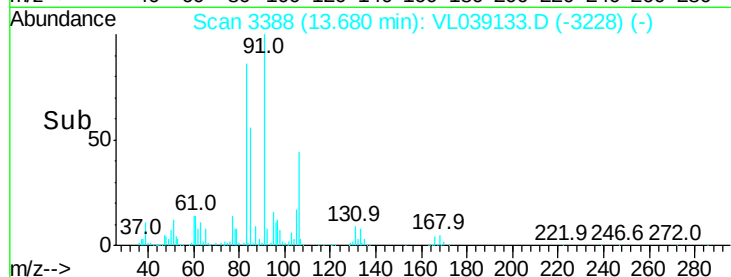
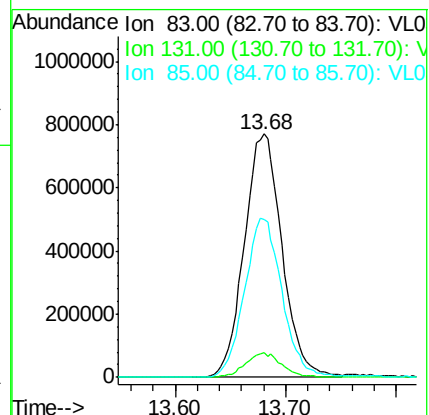
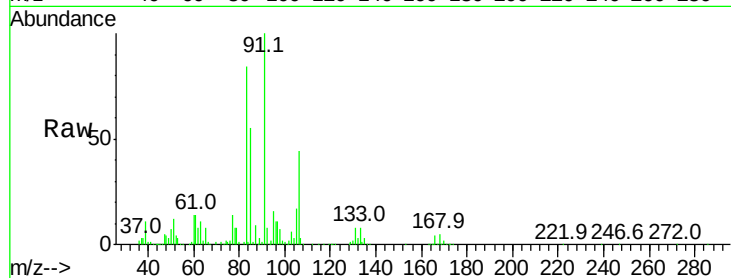
Tgt Ion: 83 Resp: 1827013

Ion Ratio Lower Upper

83 100

131 9.5 4.5 13.7

85 66.0 32.8 98.3



#64

n-propylbenzene

Concen: 9.54 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL039133.D

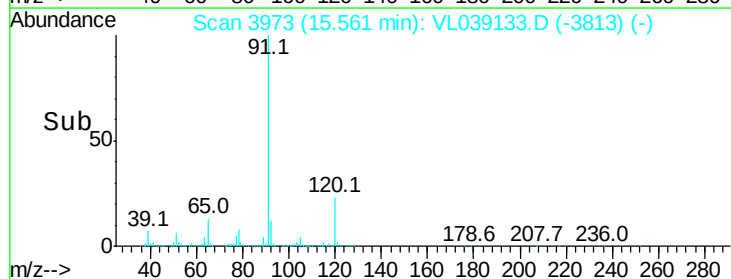
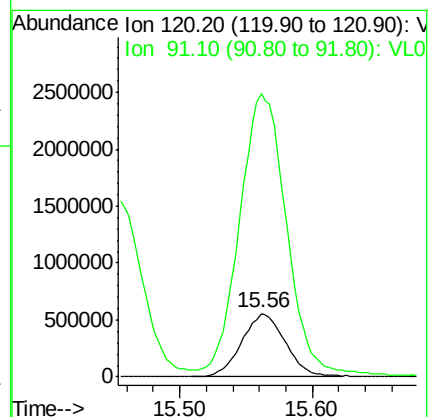
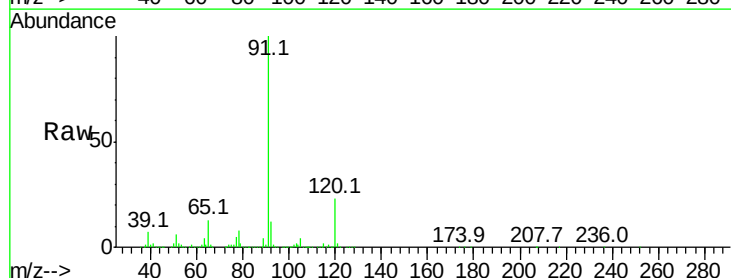
Acq: 31 May 2022 16:13

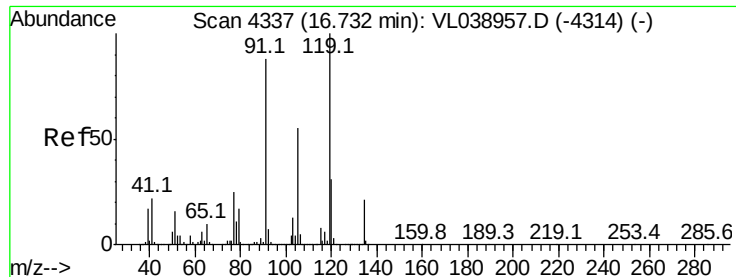
Tgt Ion: 120 Resp: 1279175

Ion Ratio Lower Upper

120 100

91 485.5 400.6 601.0

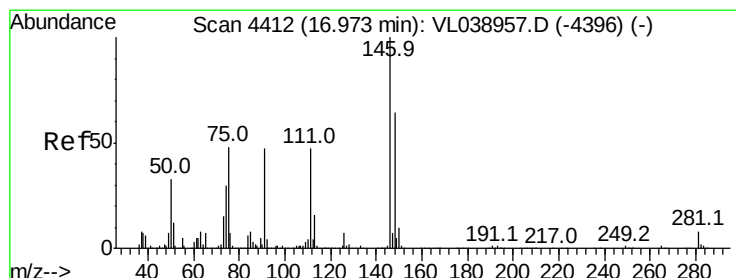
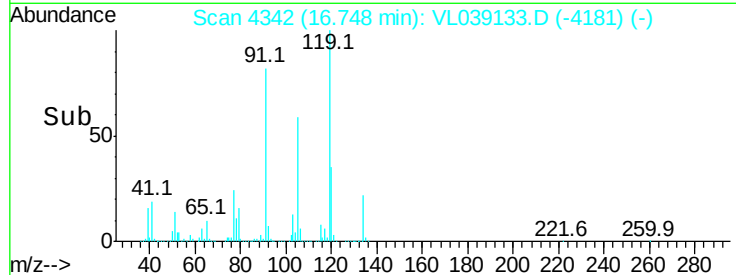
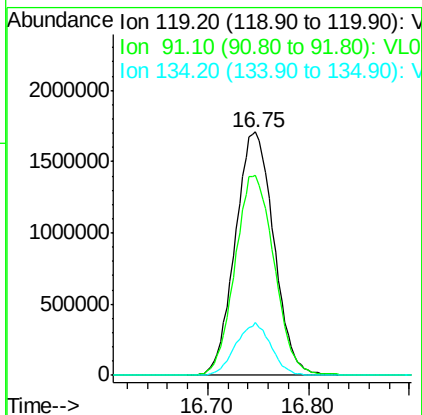
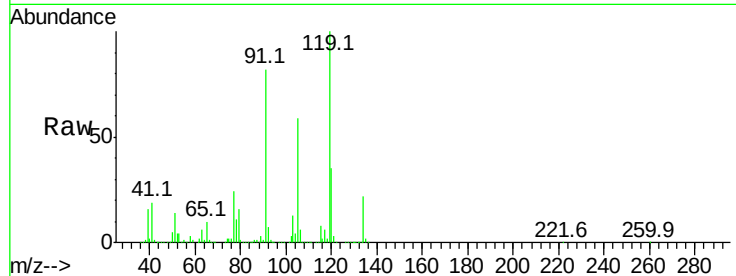




#65
 tert-Butylbenzene
 Concen: 9.31 ppbv
 RT: 16.75
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId: VSTDICCC010
 Lab File:
 Acq: 31 May 2022 16:13

Tgt Ion: 119 Resp: 4520815

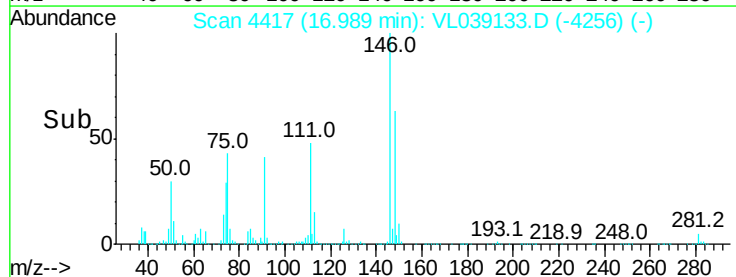
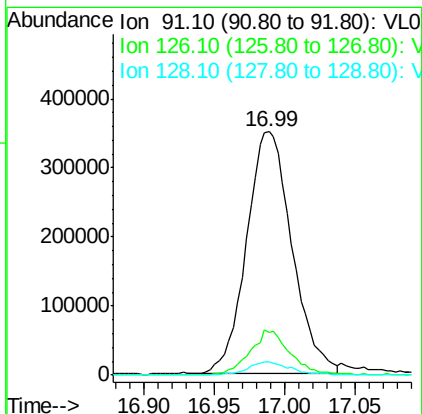
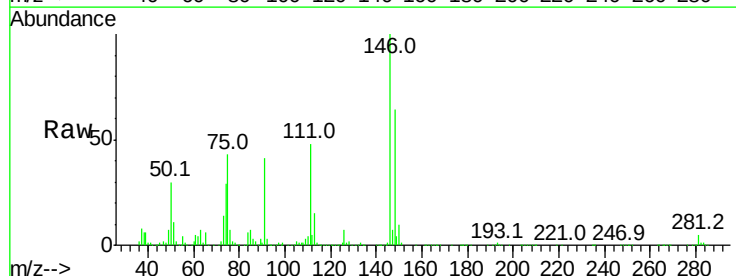
Ion	Ratio	Lower	Upper
119	100		
91	83.9	69.4	104.2
134	19.8	15.8	23.8

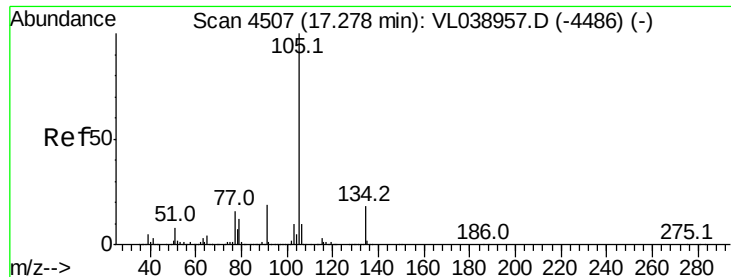


#66
 Benzyl Chloride
 Concen: 12.48 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: 0.02 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 91 Resp: 792149

Ion	Ratio	Lower	Upper
91	100		
126	16.7	11.8	17.6
128	5.1	4.2	6.2





#67

sec-Butylbenzene

Concen: 9.04 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

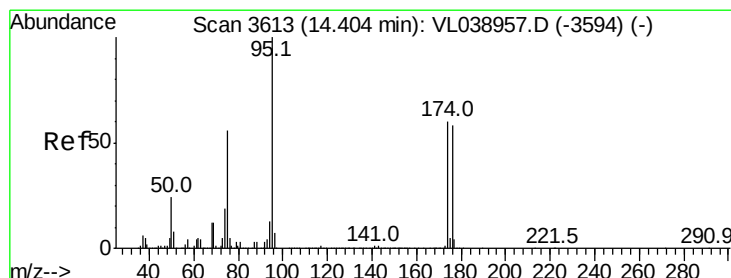
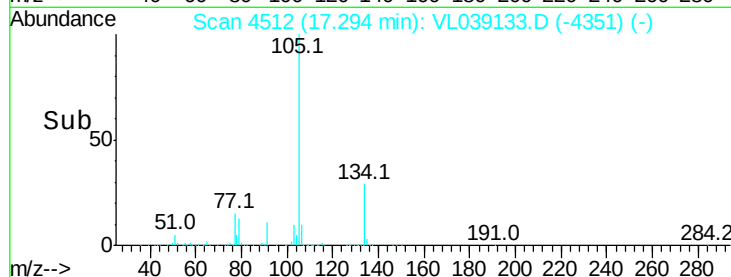
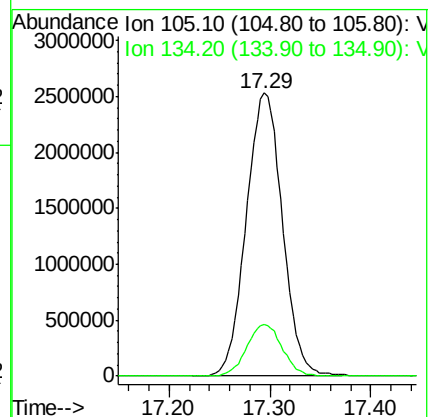
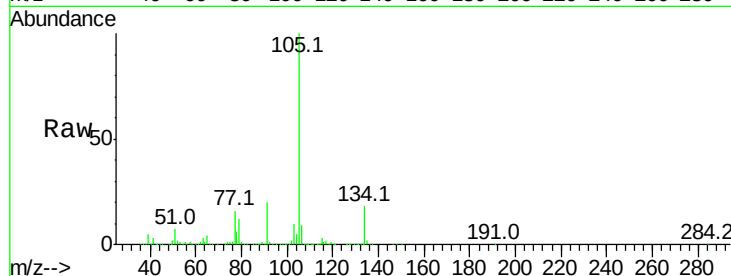
Acq: 31 May 2022 16:13

Tgt Ion: 105 Resp: 6276430

Ion Ratio Lower Upper

105 100

134 18.0 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.24 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

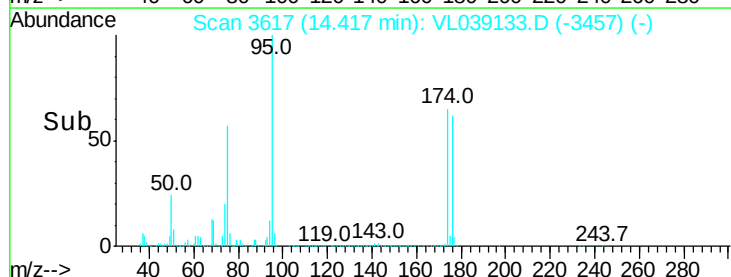
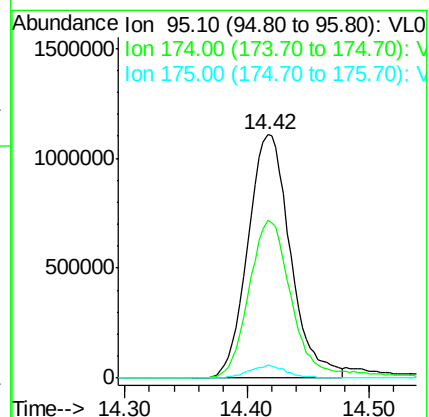
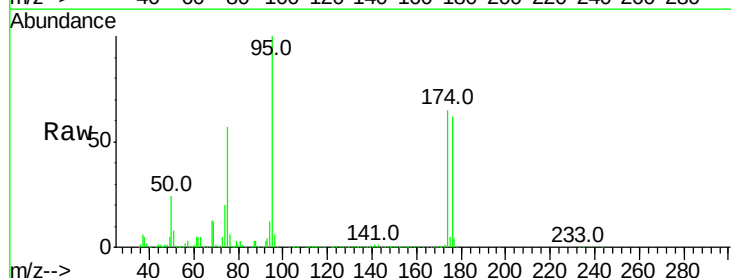
Tgt Ion: 95 Resp: 2657470

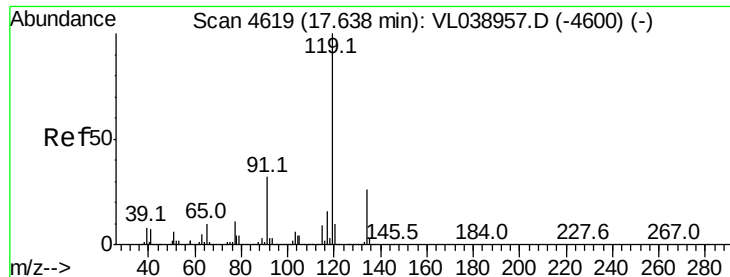
Ion Ratio Lower Upper

95 100

174 67.3 50.8 76.2

175 5.1 3.8 5.6

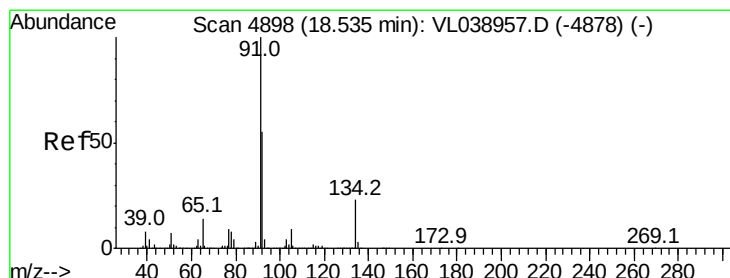
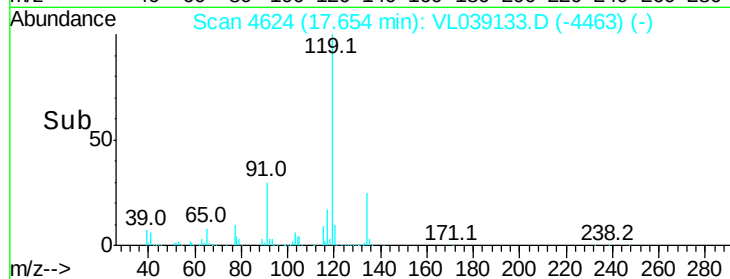
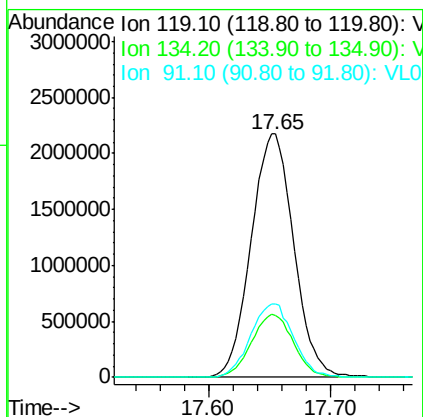
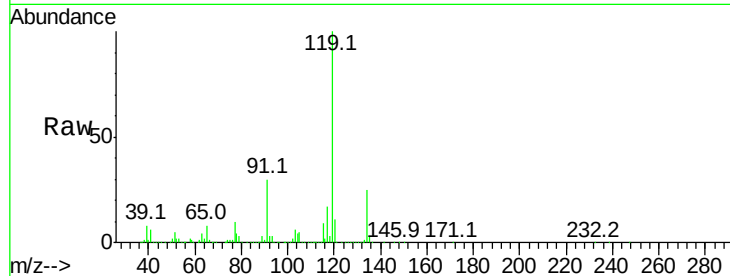




#69
 p-Isopropyltoluene
 Concen: 9.37 ppbv
 RT: 17.65 min
 Delta R.T. 0.02 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 119 Resp: 5252378

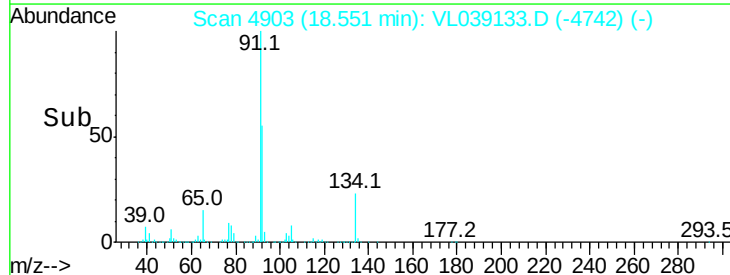
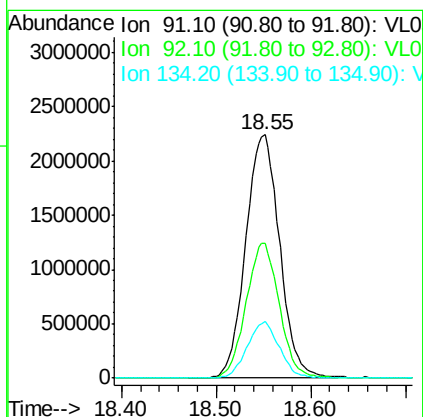
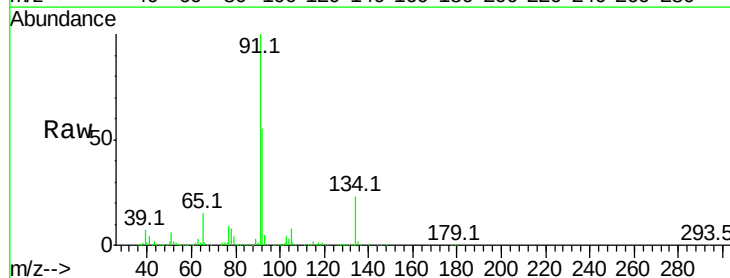
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.0	30.0
91	30.3	24.8	37.2

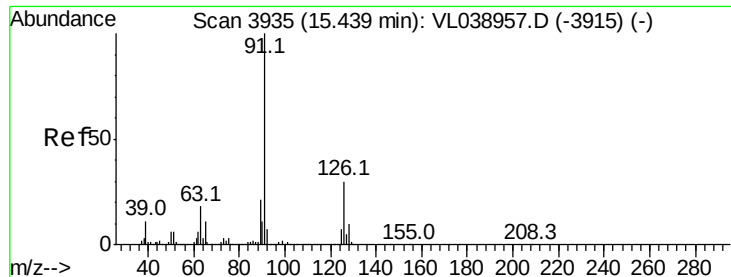


#70
 n-Butylbenzene
 Concen: 9.36 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 91 Resp: 5576835

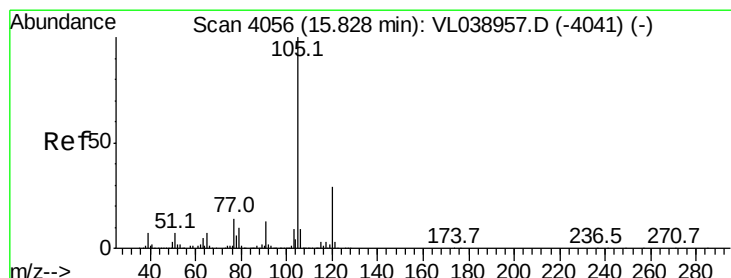
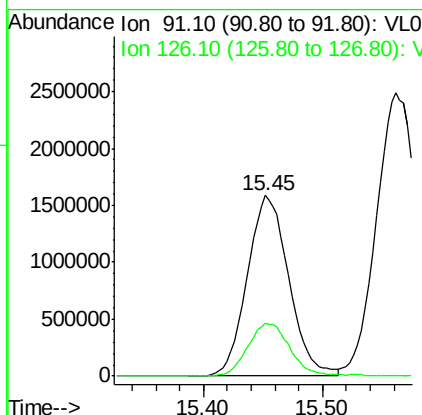
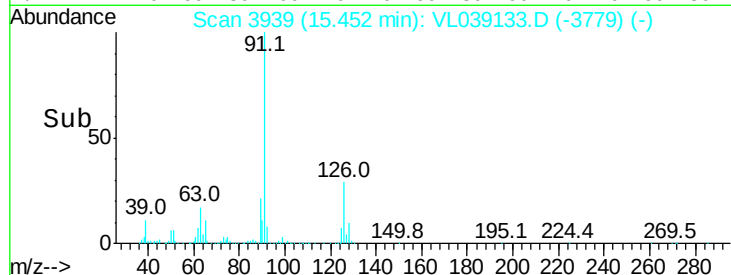
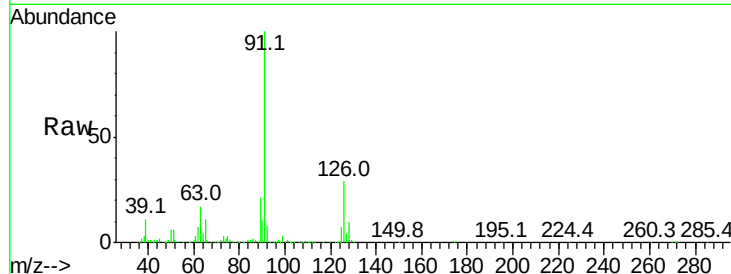
Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.1	64.7
134	22.1	17.0	25.4





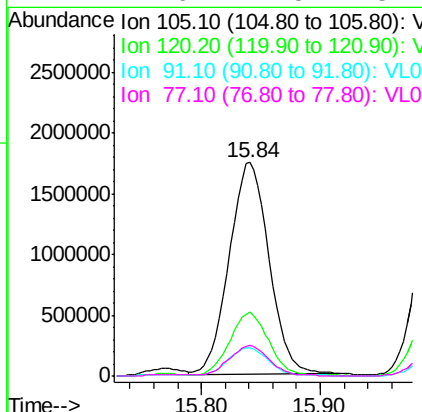
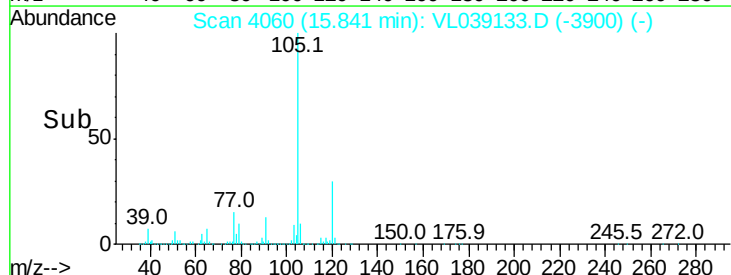
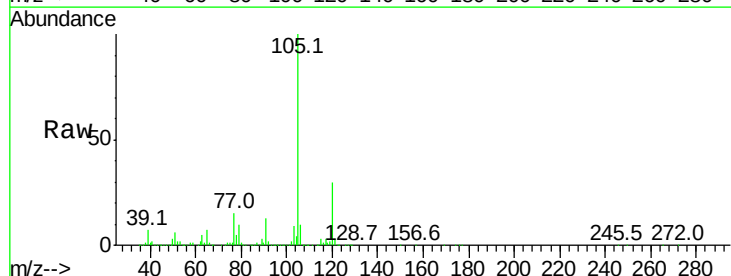
#71
 2-Chlorotoluene
 Concen: 8.96 ppbv
 RT: 15.45 min
 Delta R.T. 0.01 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

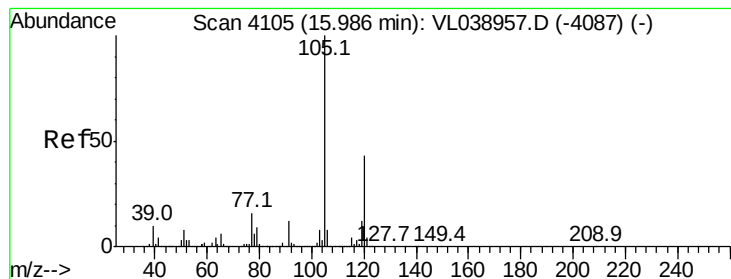
Tgt Ion: 91 Resp: 3827514
 Ion Ratio Lower Upper
 91 100
 126 30.4 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 9.38 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.01 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

Tgt Ion: 105 Resp: 4051007
 Ion Ratio Lower Upper
 105 100
 120 29.9 23.4 35.0
 91 13.3 10.6 16.0
 77 14.6 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 9.44 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

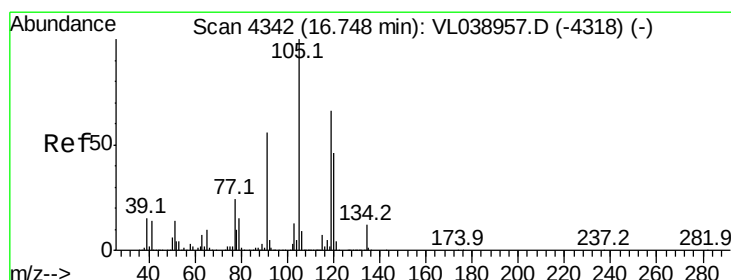
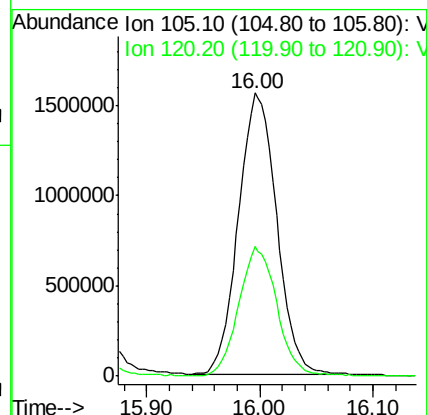
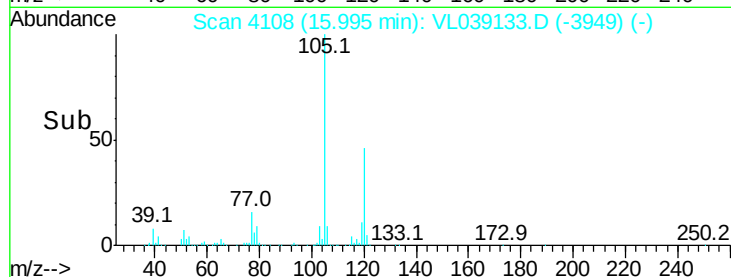
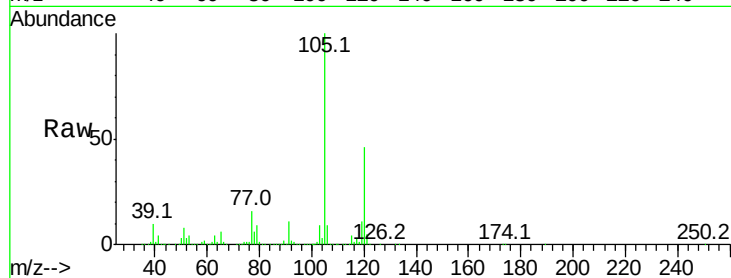
Acq: 31 May 2022 16:13

Tgt Ion:105 Resp: 3672964

Ion Ratio Lower Upper

105 100

120 45.9 34.4 51.6



#74

1,2,4-Trimethylbenzene

Concen: 9.40 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

Tgt Ion:105 Resp: 4001171

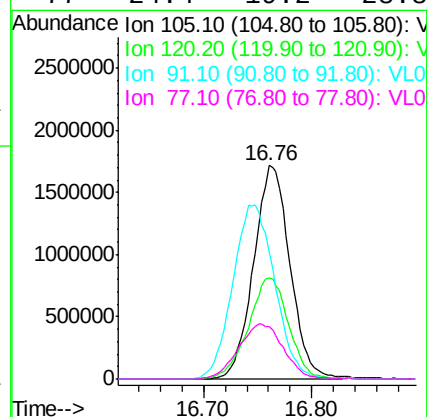
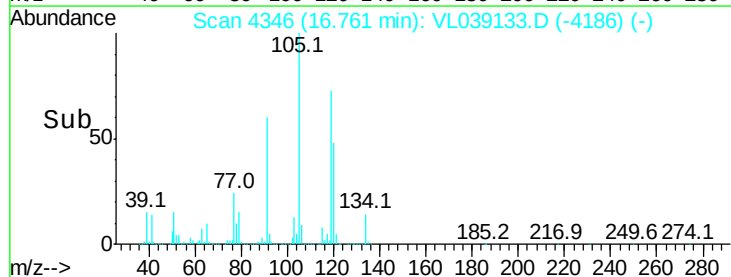
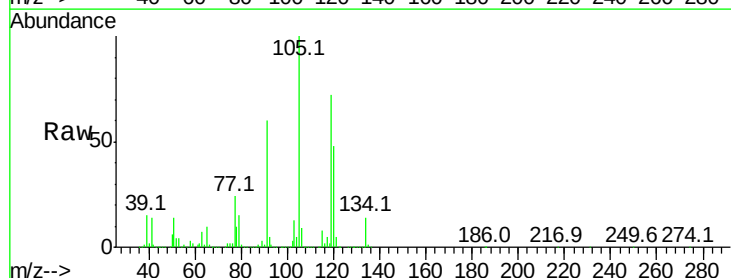
Ion Ratio Lower Upper

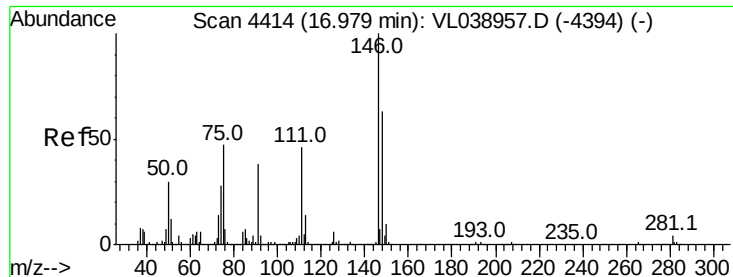
105 100

120 47.6 36.9 55.3

91 59.2 45.0 67.4

77 24.4 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 9.92 ppbv

RT: 17.00

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDICCC010

Acq: 31 May 2022 16:13

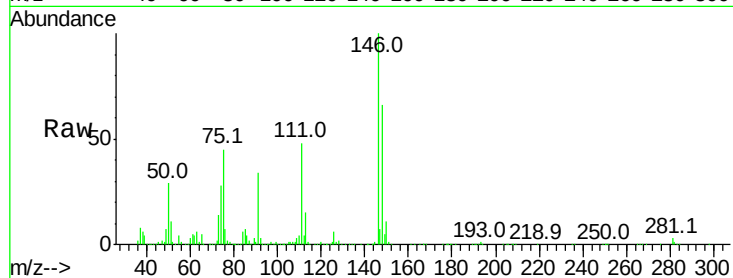
Tgt Ion:146 Resp: 2313653

Ion Ratio Lower Upper

146 100

111 47.6 24.1 72.2

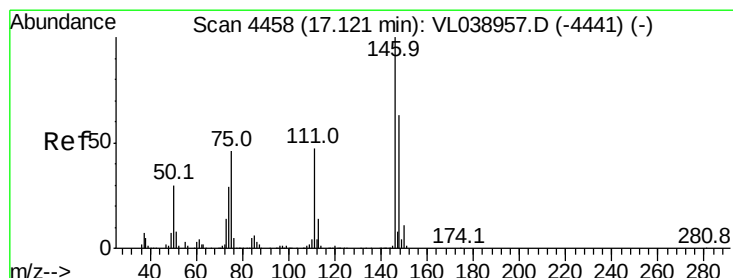
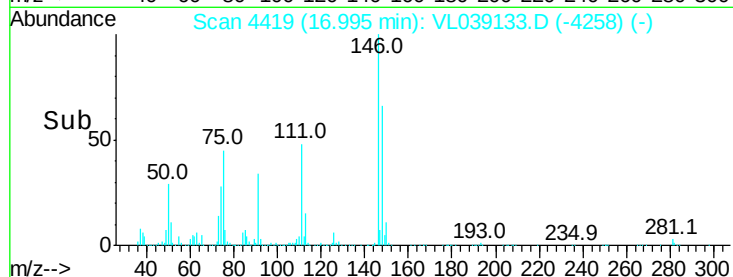
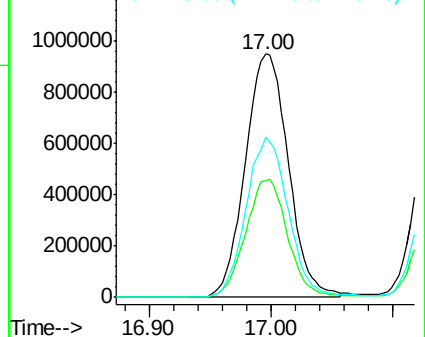
148 64.7 32.4 97.2



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



#76

1,4-Dichlorobenzene

Concen: 9.81 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.02 min

Lab File: VL039133.D

Acq: 31 May 2022 16:13

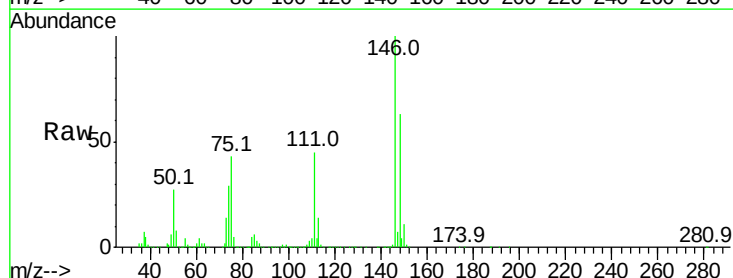
Tgt Ion:146 Resp: 2250380

Ion Ratio Lower Upper

146 100

111 47.3 23.6 71.0

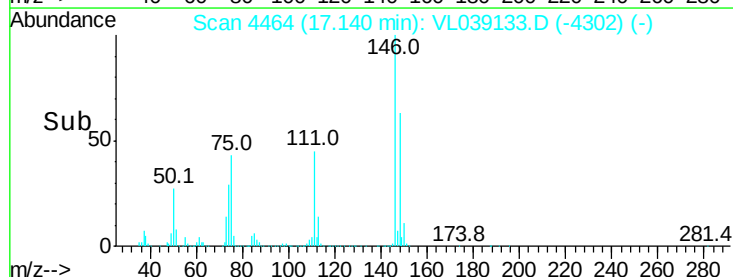
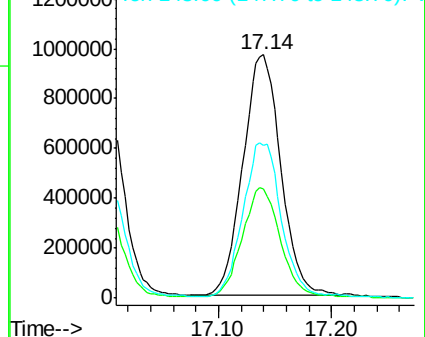
148 67.3 32.2 96.6

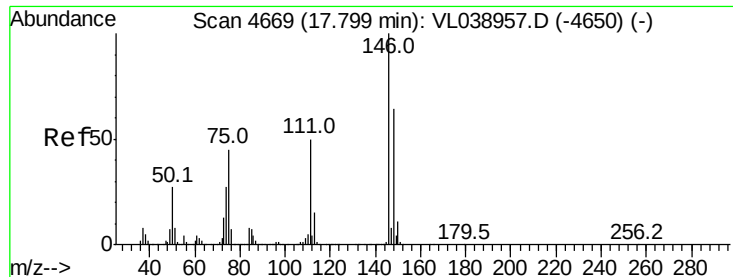


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

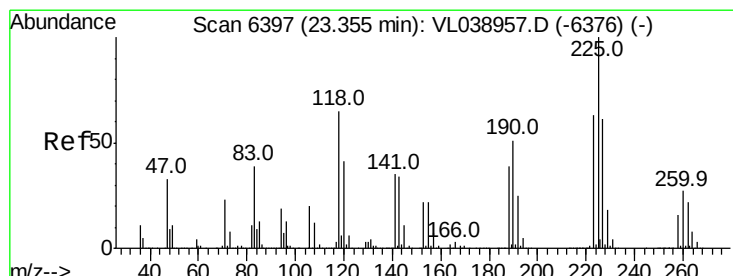
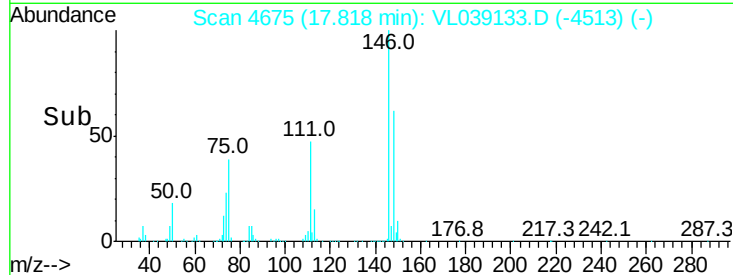
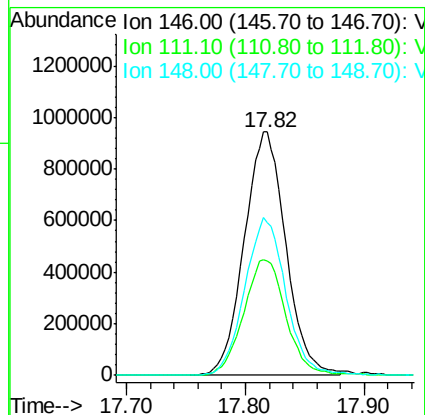
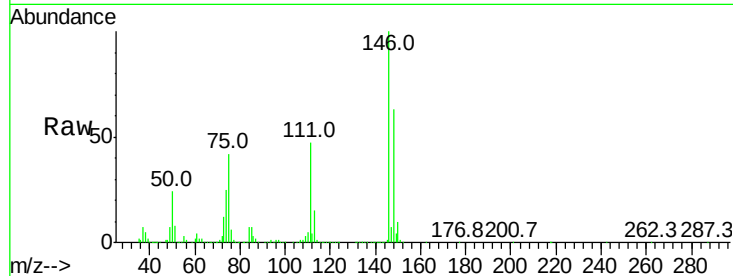
Ion 148.00 (147.70 to 148.70): V





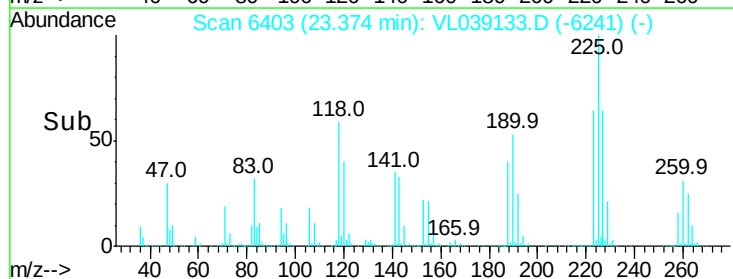
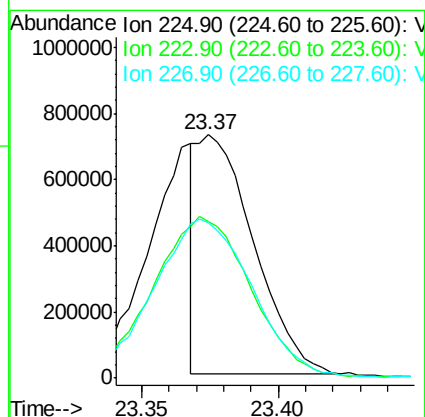
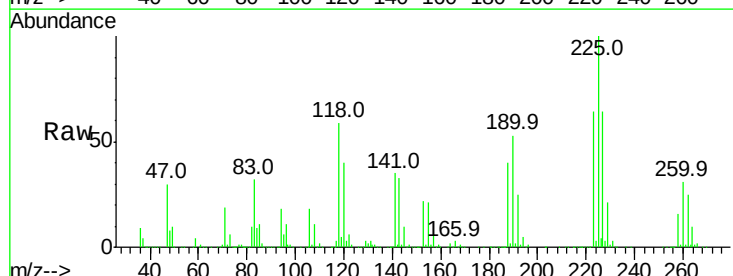
#77
 1,2-Dichlorobenzene
 Concen: 9.81 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VSTDICCC010
 Acq: 31 May 2022 16:13

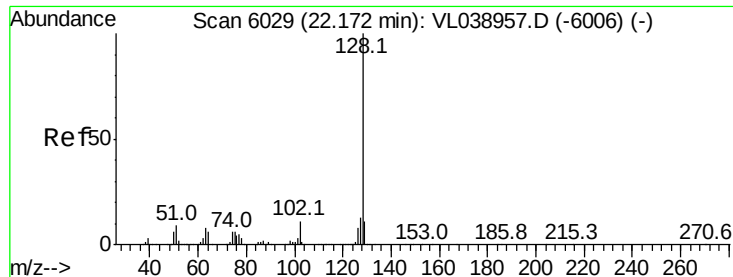
Tgt Ion:146 Resp: 2264350
 Ion Ratio Lower Upper
 146 100
 111 48.9 25.3 75.9
 148 64.3 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 4.86 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL039133.D
 Acq: 31 May 2022 16:13

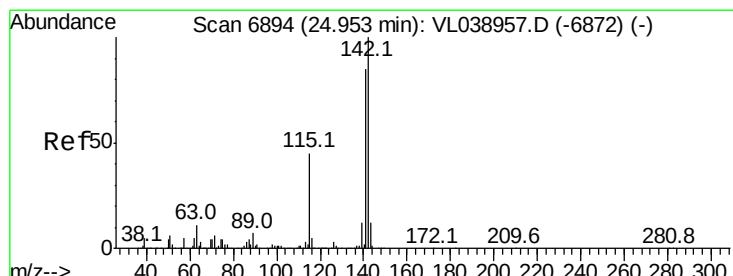
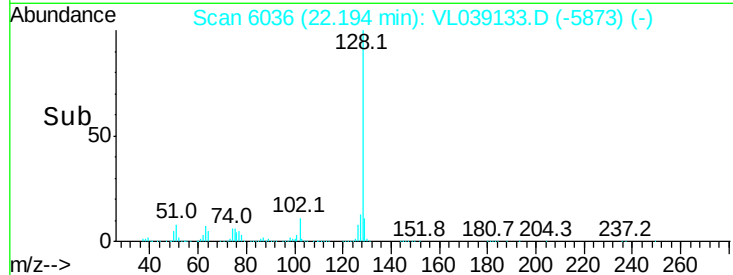
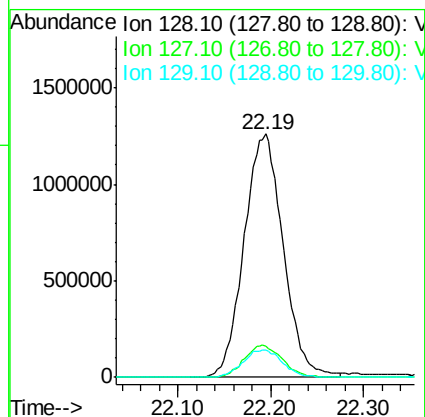
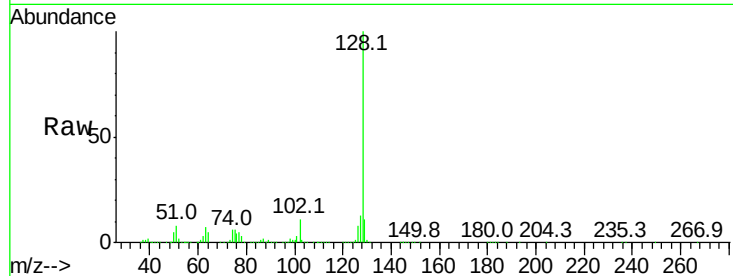
Tgt Ion:225 Resp: 1030535
 Ion Ratio Lower Upper
 225 100
 223 120.8 51.4 77.0#
 227 119.0 51.4 77.0#





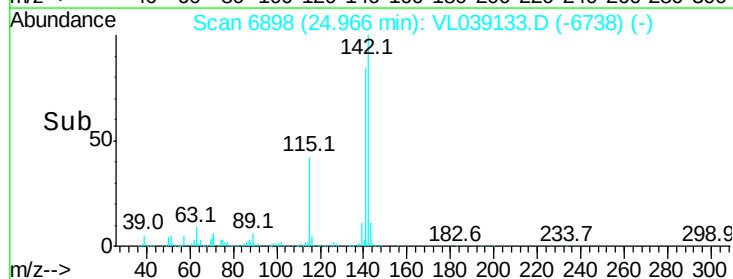
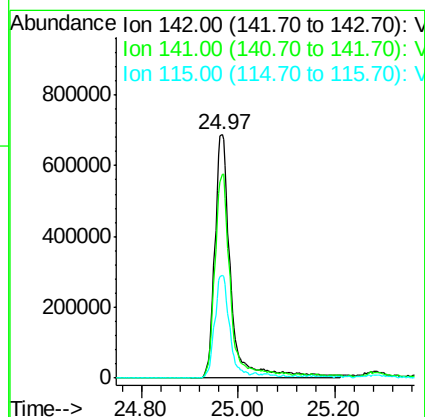
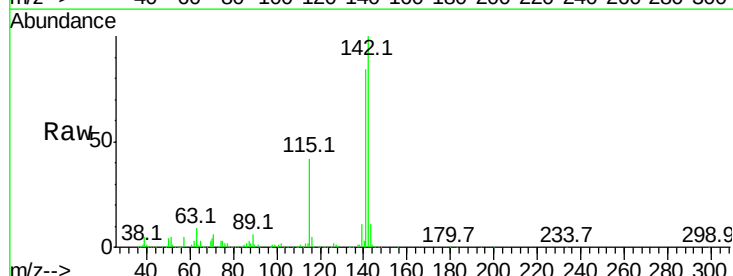
#79
Naphthalene
Concen: 10.71 ppbv
RT: 22.19 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: VSTDICCC010
ClientSampleId: VSTDICCC010
Acq: 31 May 2022 16:13

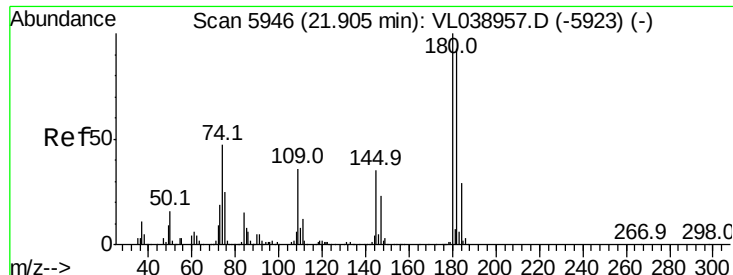
Tgt Ion:	128	Resp:	3703078
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.3	8.9	13.3



#80
Naphthalene, 2-methyl-
Concen: 15.29 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: 0.01 min
Lab File: VL039133.D
Acq: 31 May 2022 16:13

Tgt Ion:	142	Resp:	1599475
Ion	Ratio	Lower	Upper
142	100		
141	80.7	70.8	106.2
115	40.9	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 4.23 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 31 May 2022 18:13

Tgt Ion:180 Resp: 857455
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.4 117.6#
 184 0.0 24.4 36.6#

