

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082522\
 Data File : VL039579.D
 Acq On : 25 Aug 2022 15:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 26 06:06:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1087279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2874742	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2718609	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1997889	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.75	85	1926588	13.316	ppbv	99
3) Chlorodifluoromethane	2.69	51	1233302	9.521	ppbv	95
4) Chloromethane	2.83	50	744228	9.538	ppbv	98
5) Vinyl Chloride	2.94	62	668237	10.611	ppbv	99
6) Bromomethane	3.14	94	258903	9.694	ppbv	98
7) Chloroethane	3.21	64	238947	10.128	ppbv	96
8) Dichlorotetrafluoroethane	2.88	85	1556776	10.058	ppbv	95
9) Propene	2.71	41	587320	9.908	ppbv	98
10) Heptane	7.58	43	1449778	10.561	ppbv	99
11) Trichlorofluoromethane	3.58	101	1488652	9.375	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.08	101	1126317	9.590	ppbv	99
13) Ethanol	3.25	45	41429	9.725	ppbv	82
14) Bromoethene	3.38	108	499168	10.402	ppbv	99
15) Acetone	3.48	43	1160310	9.527	ppbv	100
16) 1,3-Butadiene	3.00	39	638171	10.042	ppbv	98
17) tert-Butyl alcohol	3.89	59	1070584	10.299	ppbv	98
18) 1,1-Dichloroethene	3.89	96	511307	9.666	ppbv	98
19) Isopropyl Alcohol	3.59	45	643421	10.860	ppbv	# 96
20) Methylene Chloride	3.95	84	427691	8.644	ppbv	98
21) Allyl Chloride	4.01	41	837277	10.568	ppbv	99
22) trans-1,2-Dichloroethene	4.46	96	519029	9.865	ppbv	97
23) Vinyl Acetate	4.64	43	614753	10.615	ppbv	99
24) 1,1-Dichloroethane	4.58	63	1053542	9.828	ppbv	98
25) Ethyl Acetate	5.21	43	2598029	9.969	ppbv	100
26) Hexane	5.22	57	1080807	10.161	ppbv	97
27) Carbon Disulfide	4.14	76	1356382	11.937	ppbv	99
28) Methyl tert-Butyl Ether	4.60	73	921598	10.044	ppbv	99
29) Chloroform	5.29	83	1614703	9.707	ppbv	97
30) Cyclohexane	6.61	84	893383	10.143	ppbv	95
31) cis-1,2-Dichloroethene	5.09	61	1057529	10.265	ppbv	99
32) 1,1,1-Trichloroethane	6.01	97	1565097	10.695	ppbv	99
34) 2-Butanone	4.80	43	1492421	10.443	ppbv	99
35) Carbon Tetrachloride	6.50	117	1699623	10.937	ppbv	99
36) Benzene	6.38	78	2269667	10.357	ppbv	97
37) 1,2-Dichloroethane	5.82	62	1186156	9.827	ppbv	99
38) Trichloroethene	7.29	130	1241722	10.576	ppbv	97
39) 1,2-Dichloropropane	7.08	63	867427	10.528	ppbv	94
40) 1,4-Dioxane	7.29	88	333357	10.335	ppbv	# 1
41) Tetrahydrofuran	5.57	42	937959	10.986	ppbv	97
42) Bromodichloromethane	7.25	83	1763514	10.677	ppbv	99
43) Methyl Methacrylate	7.48	69	894525	11.320	ppbv	98

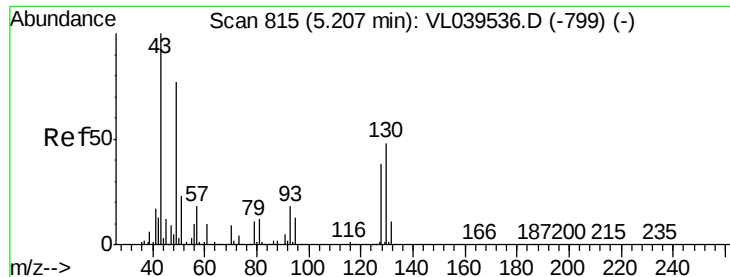
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082522\
 Data File : VL039579.D
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 VSTDCCC010

Quant Time: Aug 26 06:06:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.33	57	3782807	10.240	ppbv	98
45) t-1,3-Dichloropropene	8.71	75	908715	13.205	ppbv	98
46) cis-1,3-Dichloropropene	8.15	75	1198153	12.570	ppbv	95
47) 1,1,2-Trichloroethane	8.90	97	928816	9.871	ppbv	98
48) Dibromochloromethane	9.71	129	1624895	11.715	ppbv	99
49) Bromoform	12.41	173	1379204	12.005	ppbv	99
50) 4-Methyl-2-Pentanone	8.19	43	2335530	10.489	ppbv	99
51) 2-Hexanone	9.55	43	1820587	11.110	ppbv #	100
52) Tetrachloroethene	10.62	164	867522	10.464	ppbv	93
53) Toluene	9.22	91	2663693	10.861	ppbv	100
54) 1,2-Dibromoethane	10.01	107	1126975	10.709	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.51	131	1141664	10.335	ppbv	98
57) Chlorobenzene	11.53	112	1968938	9.708	ppbv	99
58) Ethyl Benzene	12.09	91	3456246	11.065	ppbv	100
59) m/p-Xylene	12.37	91	3049098	10.881	ppbv #	35
60) o-Xylene	13.06	91	2772175	10.306	ppbv	99
61) Styrene	12.90	104	1702425	11.883	ppbv	99
62) Isopropylbenzene	14.03	105	4037590	9.926	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.05	83	1138934	8.941	ppbv	100
64) n-propylbenzene	14.92	120	1060714	10.034	ppbv	100
65) tert-Butylbenzene	16.09	119	3562200	9.852	ppbv	99
66) Benzyl Chloride	16.33	91	414712	14.120	ppbv	95
67) sec-Butylbenzene	16.64	105	4949697	9.665	ppbv	99
69) p-Isopropyltoluene	17.00	119	4164827	9.797	ppbv	99
70) n-Butylbenzene	17.89	91	4092294	9.676	ppbv	100
71) 2-Chlorotoluene	14.80	91	2972788	10.091	ppbv	99
72) 4-Ethyltoluene	15.19	105	3297973	10.486	ppbv	99
73) 1,3,5-Trimethylbenzene	15.36	105	2915745	10.145	ppbv	99
74) 1,2,4-Trimethylbenzene	16.11	105	3115205	9.727	ppbv	93
75) 1,3-Dichlorobenzene	16.33	146	1887347	9.693	ppbv	99
76) 1,4-Dichlorobenzene	16.47	146	1853585	9.555	ppbv	98
77) 1,2-Dichlorobenzene	17.14	146	1804425	9.464	ppbv	99
78) Hexachloro-1,3-Butadiene	22.63	225	1477851	9.732	ppbv	99
79) Naphthalene	21.38	128	3124895	13.701	ppbv	98
80) Naphthalene, 2-methyl-	24.38	142	1379218	14.900	ppbv	99
81) 1,2,4-Trichlorobenzene	21.14	180	1736370	11.401	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

Acq: 25 Aug 2022 15:20

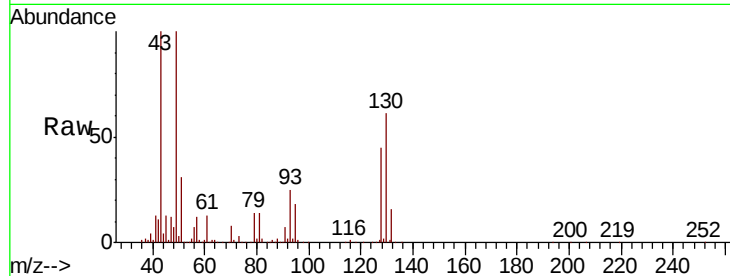
Tot Ion: 49 Resp: 1087279

Ion Ratio Lower Upper

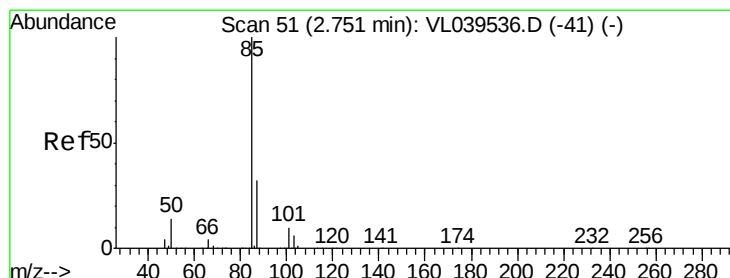
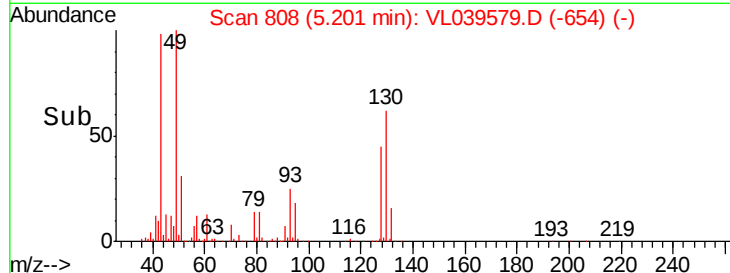
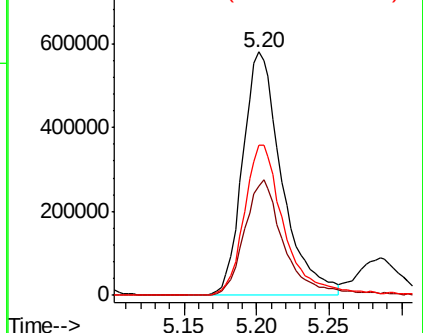
49 100

128 49.1 26.7 80.0

130 64.5 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 13.316 ppbv

RT: 2.75 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL039579.D

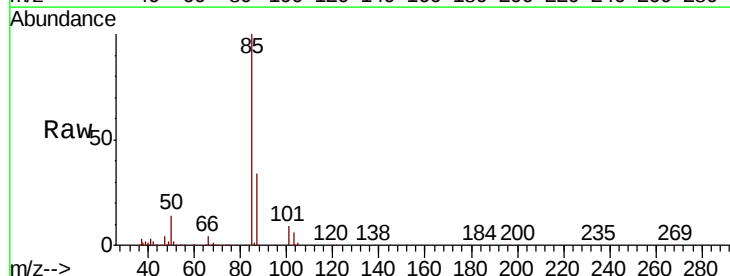
Acq: 25 Aug 2022 15:20

Tgt Ion: 85 Resp: 1926588

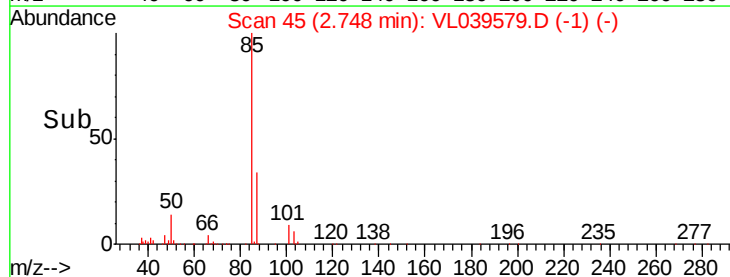
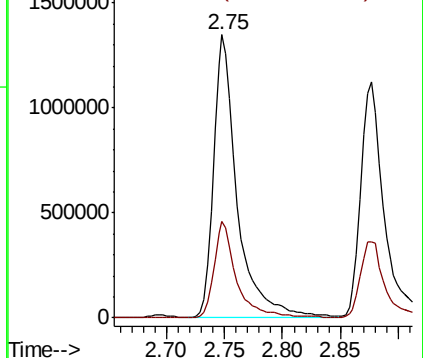
Ion Ratio Lower Upper

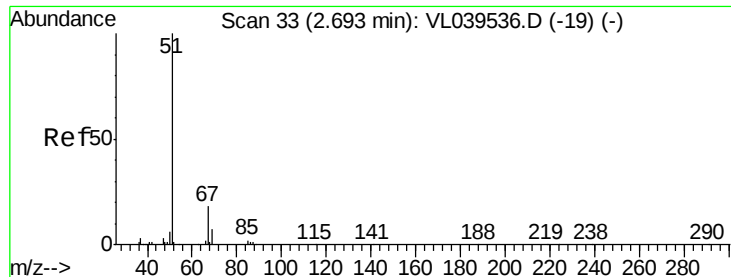
85 100

87 34.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.521 ppbv

RT: 2.69 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

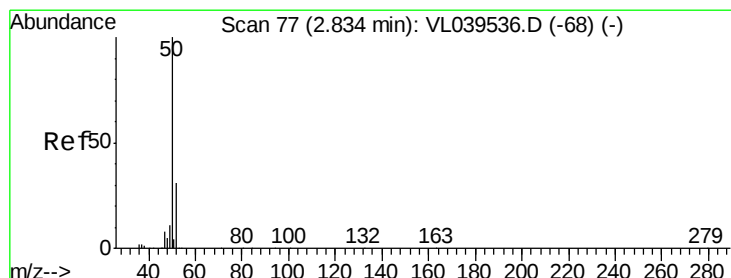
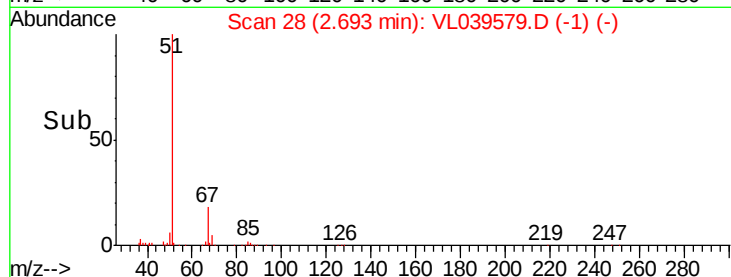
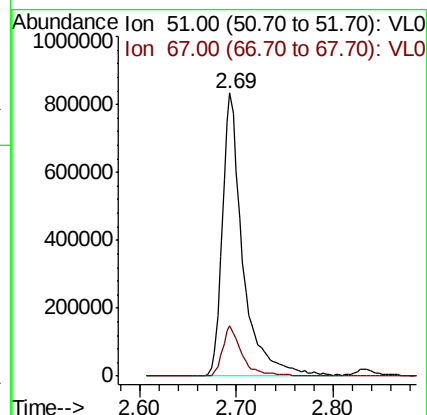
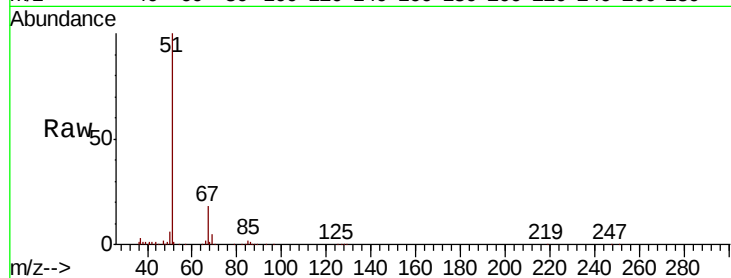
Acq: 25 Aug 2022 15:20

Tot Ion: 51 Resp: 1233302

Ion Ratio Lower Upper

51 100

67 17.4 15.7 23.5



#4

Chloromethane

Concen: 9.538 ppbv

RT: 2.83 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL039579.D

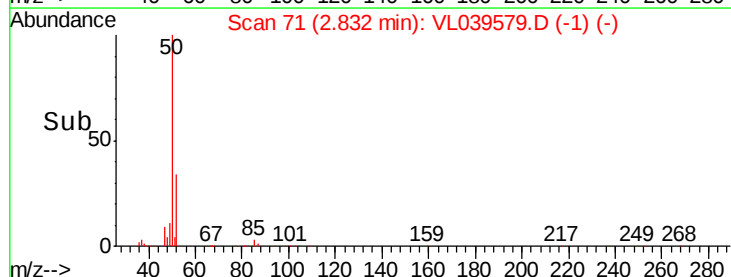
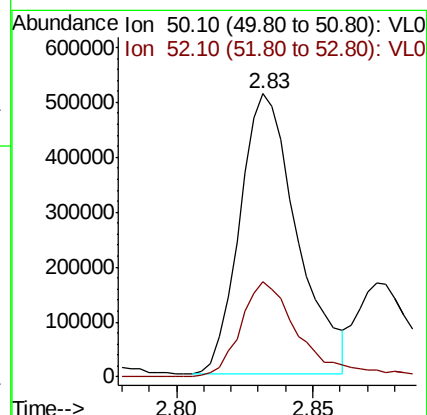
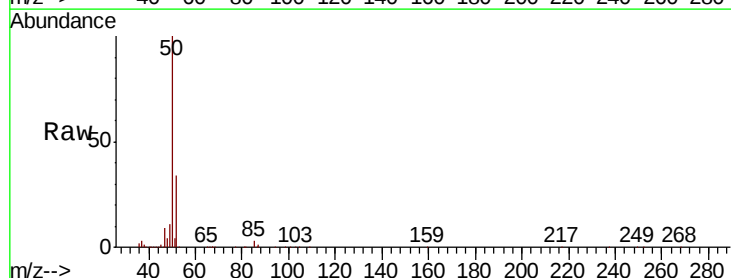
Acq: 25 Aug 2022 15:20

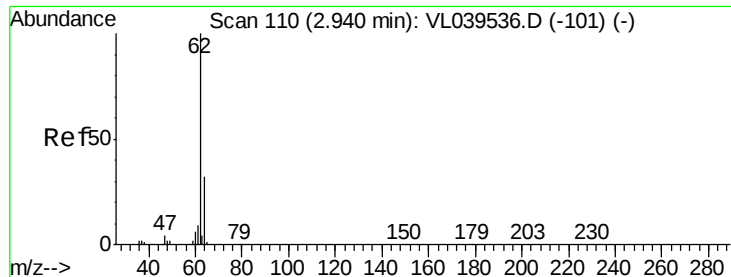
Tgt Ion: 50 Resp: 744228

Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7





#5

Vinyl Chloride

Concen: 10.611 ppbv

RT: 2.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

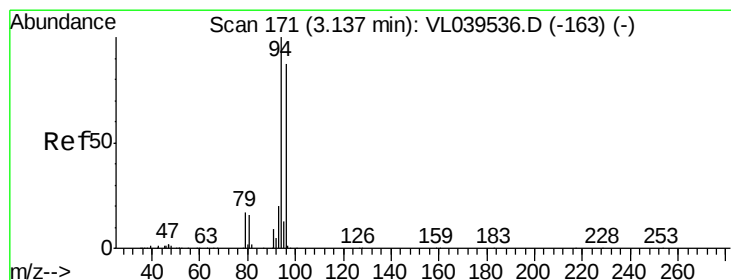
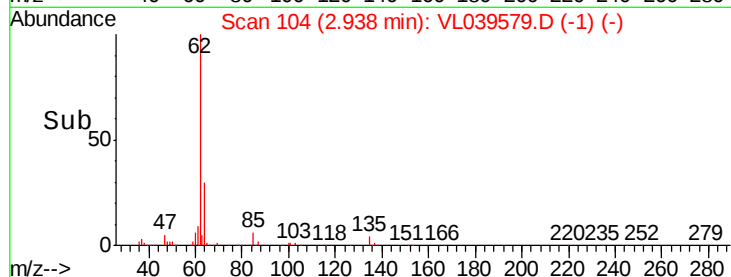
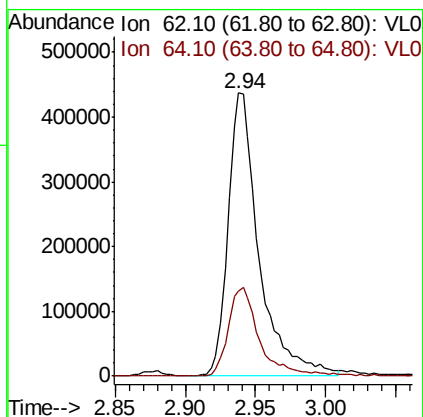
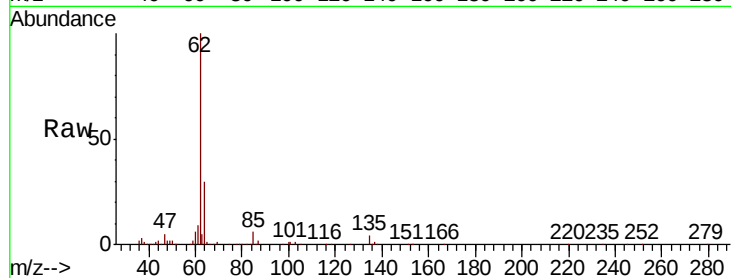
Acq: 25 Aug 2022 15:20 VSTDCCC010

Tot Ion: 62 Resp: 668237

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8



#6

Bromomethane

Concen: 9.694 ppbv

RT: 3.14 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL039579.D

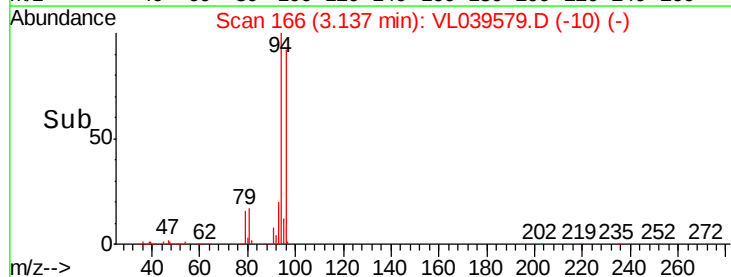
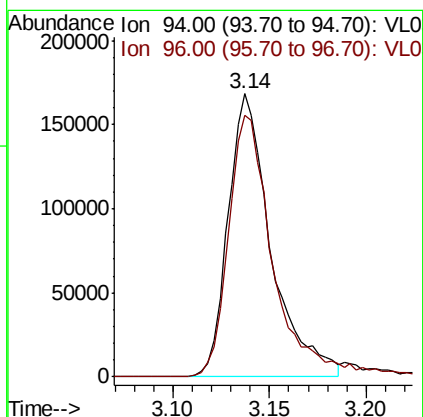
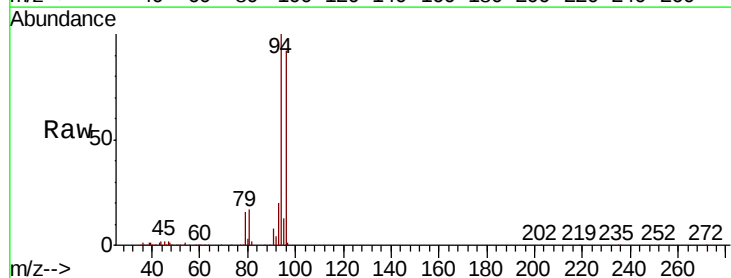
Acq: 25 Aug 2022 15:20

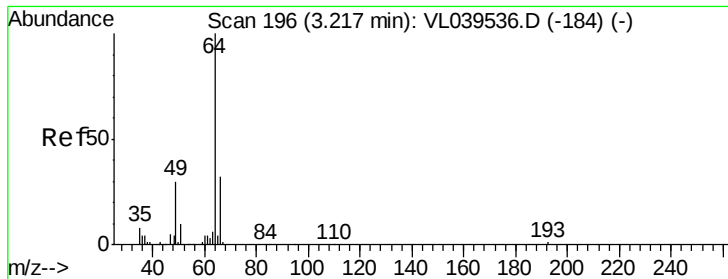
Tgt Ion: 94 Resp: 258903

Ion Ratio Lower Upper

94 100

96 92.1 75.6 113.4





#7

Chloroethane

Concen: 10.128 ppbv

RT: 3.21 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

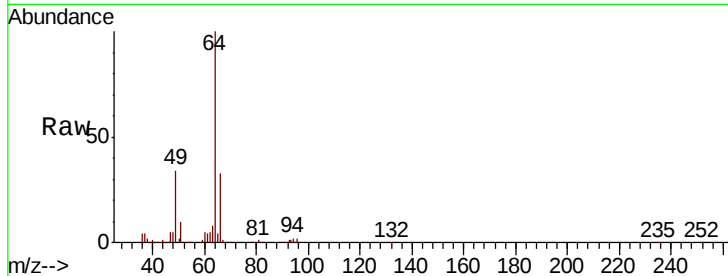
Acq: 25 Aug 2022 15:20

Tot Ion: 64 Resp: 238947

Ion Ratio Lower Upper

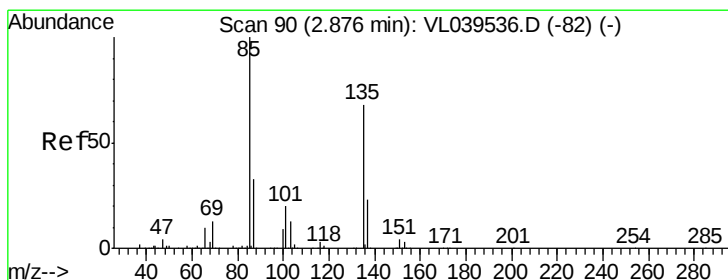
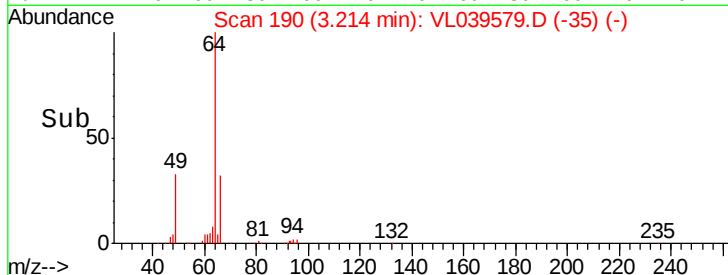
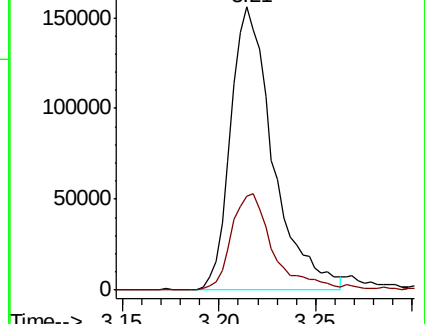
64 100

66 33.2 24.7 37.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.058 ppbv

RT: 2.88 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL039579.D

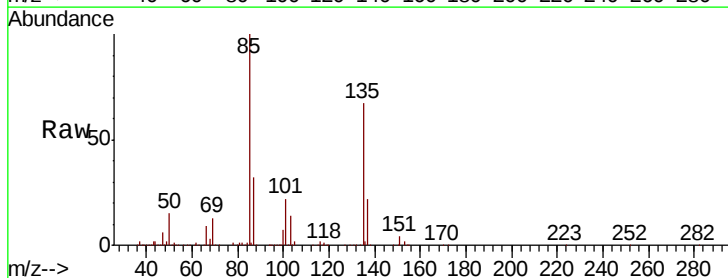
Acq: 25 Aug 2022 15:20

Tgt Ion: 85 Resp: 1556776

Ion Ratio Lower Upper

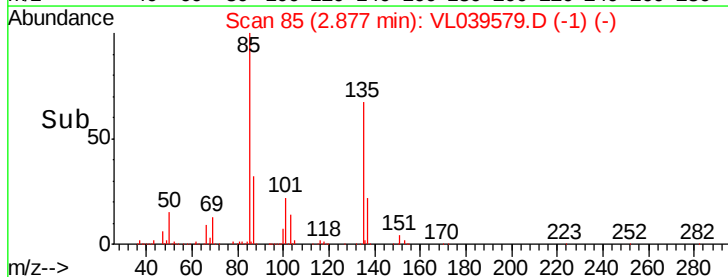
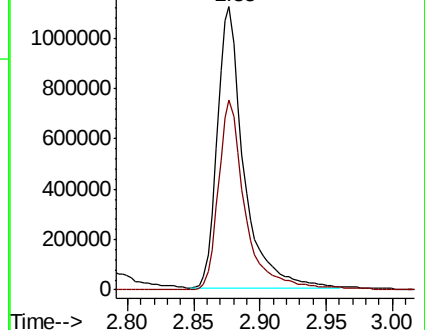
85 100

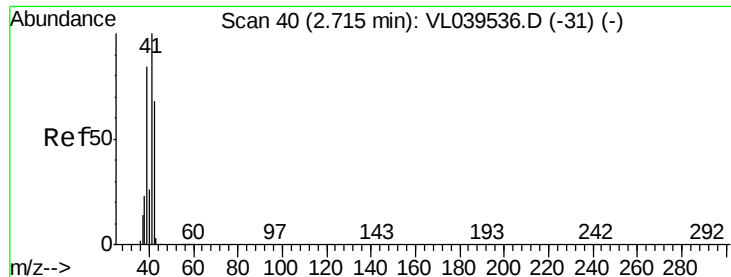
135 69.2 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.908 ppbv

RT: 2.71 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

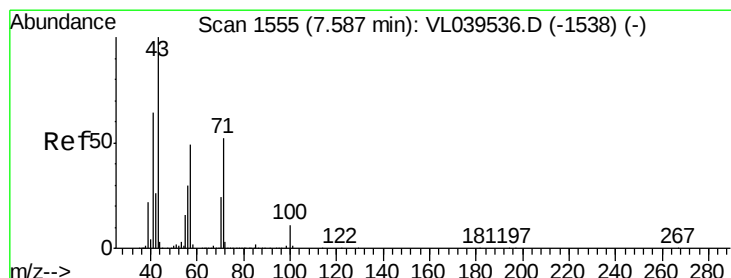
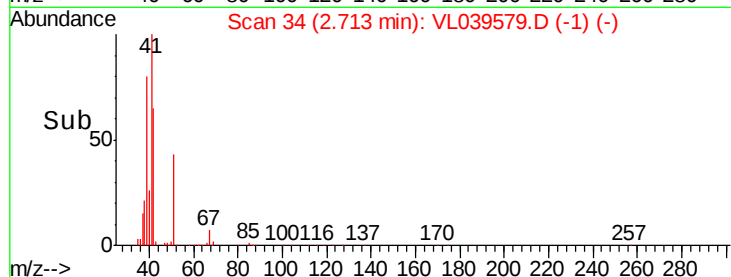
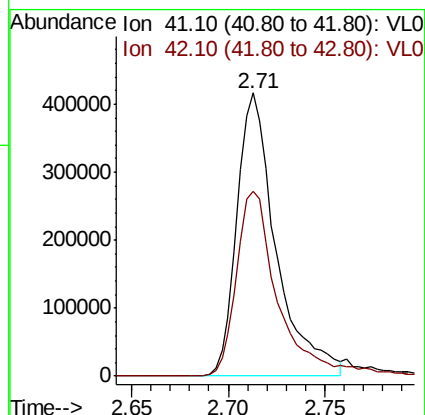
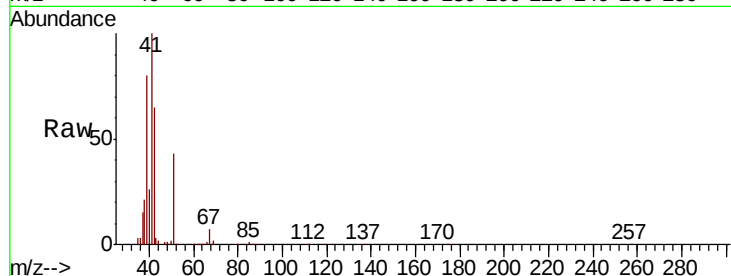
Acq: 25 Aug 2022 15:20

Tot Ion: 41 Resp: 587320

Ion Ratio Lower Upper

41 100

42 70.4 55.2 82.8



#10

Heptane

Concen: 10.561 ppbv

RT: 7.58 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL039579.D

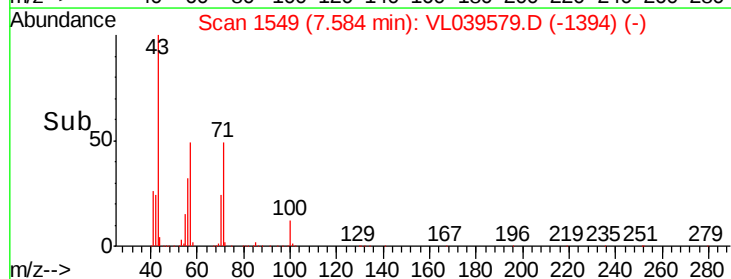
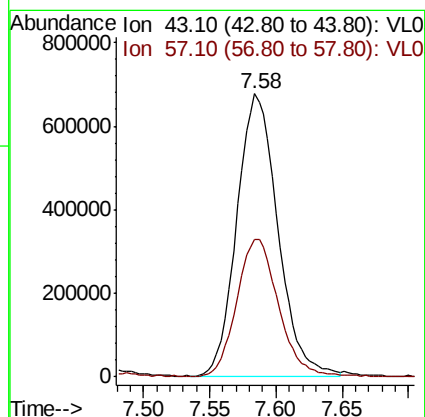
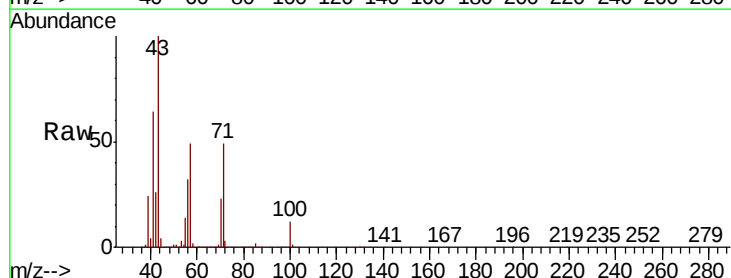
Acq: 25 Aug 2022 15:20

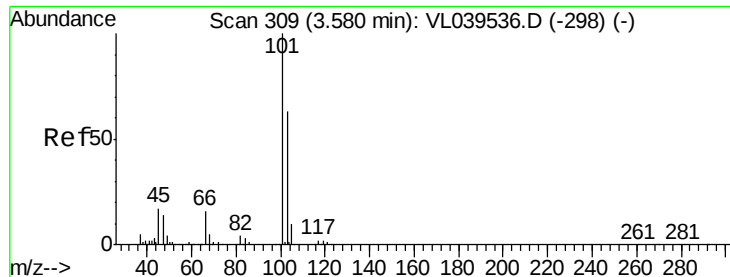
Tgt Ion: 43 Resp: 1449778

Ion Ratio Lower Upper

43 100

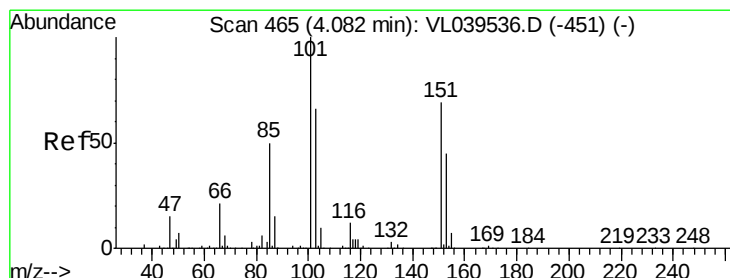
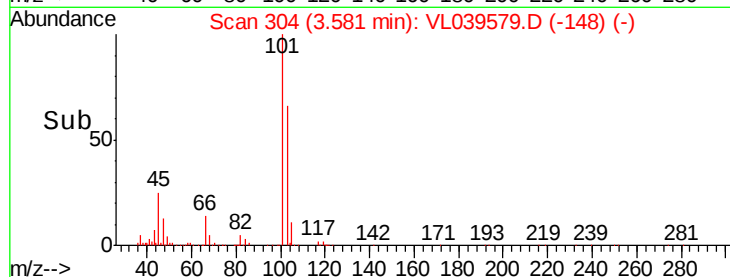
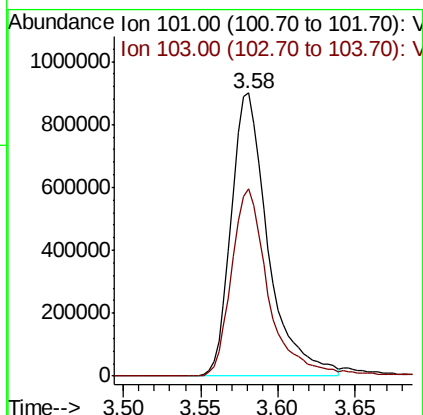
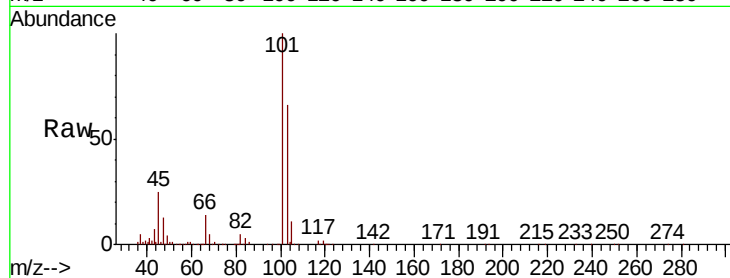
57 50.0 40.5 60.7





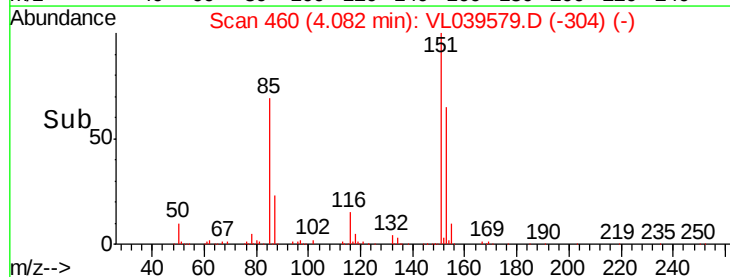
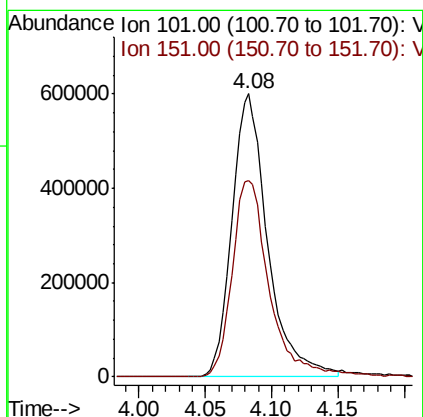
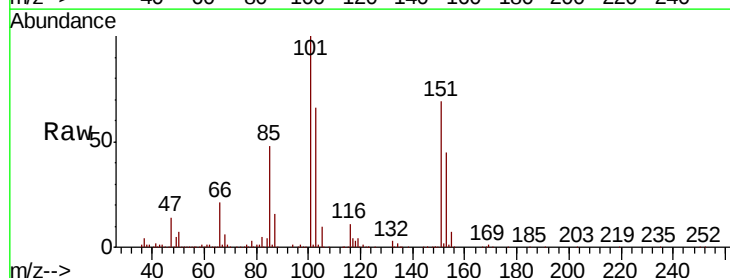
#11
 Trichlorofluoromethane
 Concen: 9.375 ppbv
 RT: 3.58 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: VSTDCCC010
 Acq: 25 Aug 2022 15:20

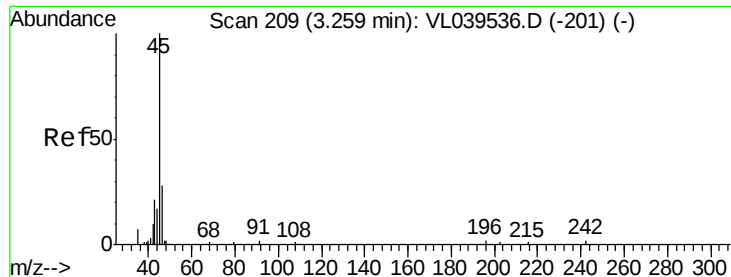
Tot Ion:101 Resp: 1488652
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.590 ppbv
 RT: 4.08 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

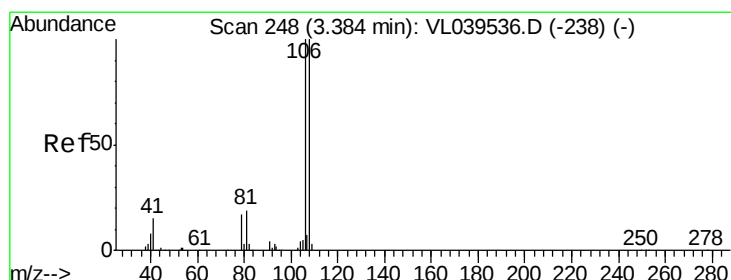
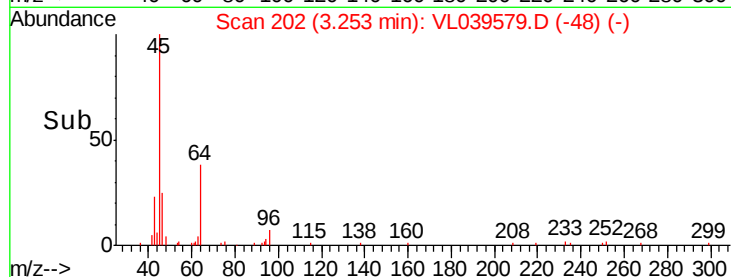
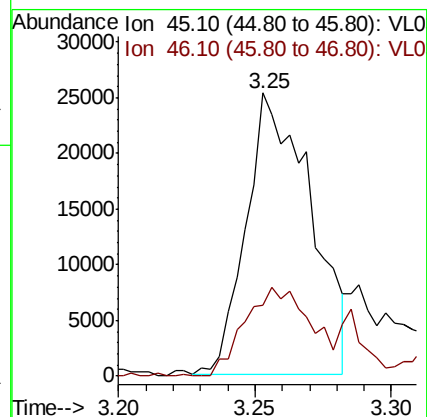
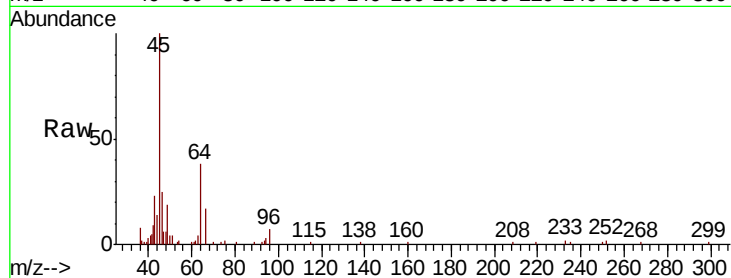
Tgt Ion:101 Resp: 1126317
 Ion Ratio Lower Upper
 101 100
 151 72.7 58.9 88.3





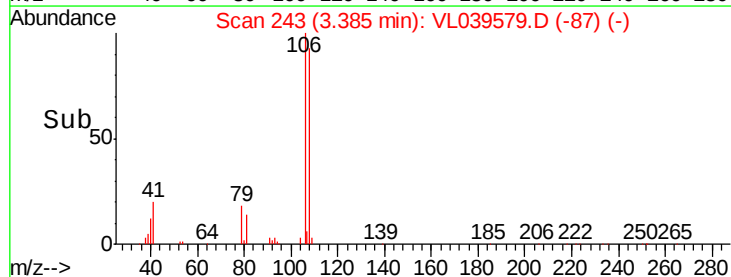
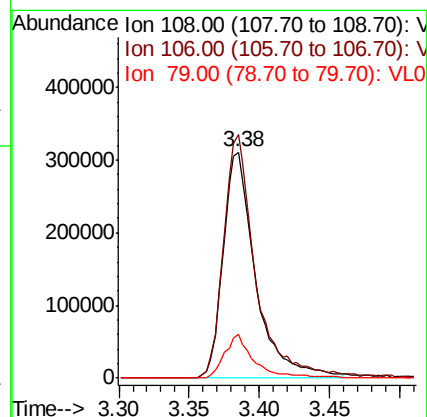
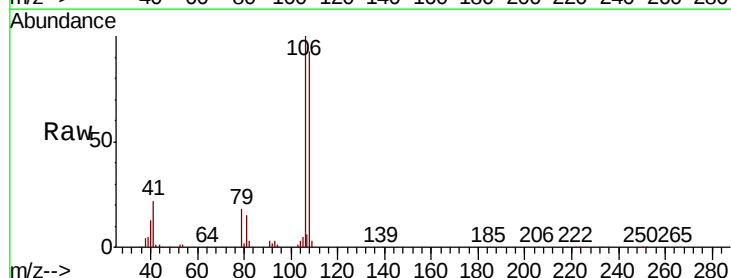
#13
Ethanol
Concen: 9.725 ppbv
RT: 3.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Aug 2022 15:20

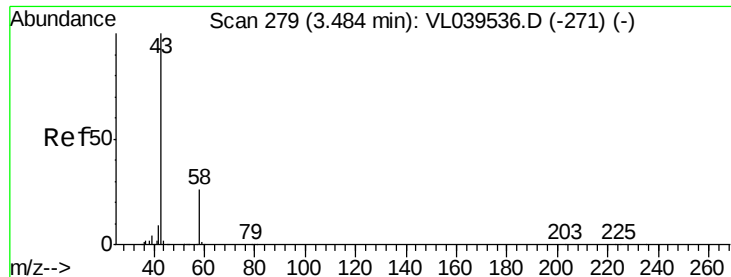
Tot Ion: 45 Resp: 41429
Ion Ratio Lower Upper
45 100
46 43.9 22.8 91.2



#14
Bromoethene
Concen: 10.402 ppbv
RT: 3.38 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20

Tgt Ion: 108 Resp: 499168
Ion Ratio Lower Upper
108 100
106 108.0 87.1 130.7
79 17.9 14.6 22.0





#15

Acetone

Concen: 9.527 ppbv

RT: 3.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

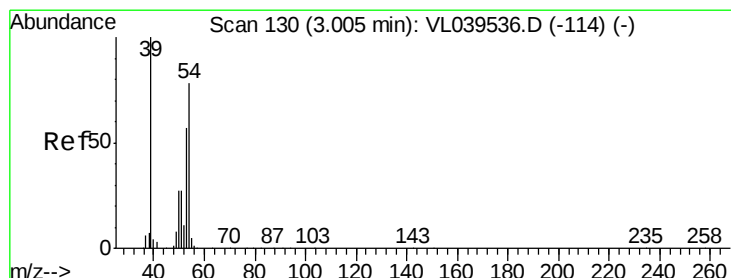
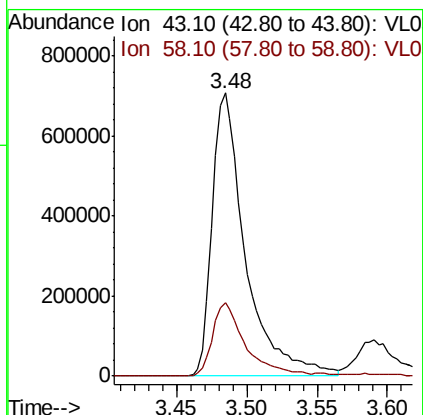
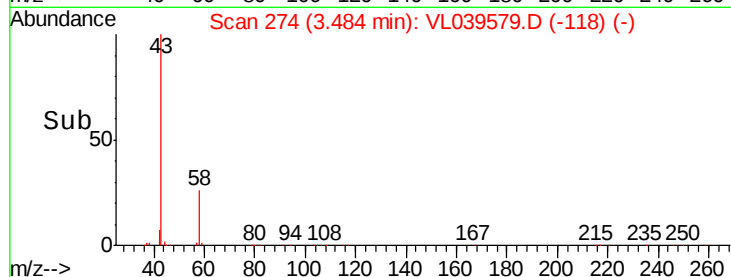
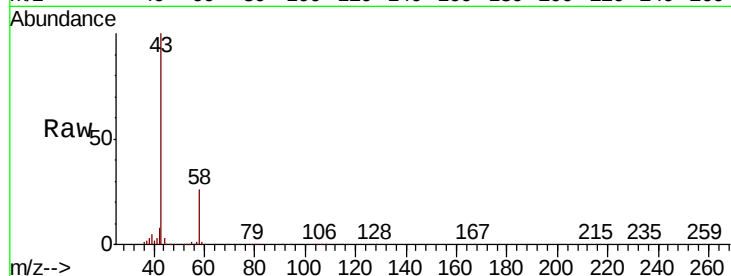
Acq: 25 Aug 2022 15:20 VSTDCCC010

Tot Ion: 43 Resp: 1160310

Ion Ratio Lower Upper

43 100

58 26.1 21.0 31.6



#16

1,3-Butadiene

Concen: 10.042 ppbv

RT: 3.00 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL039579.D

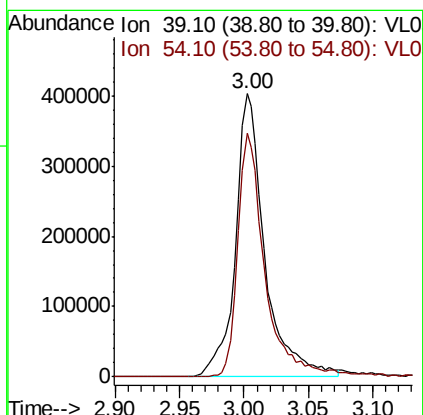
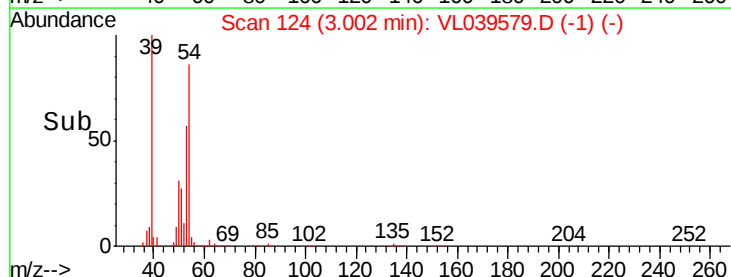
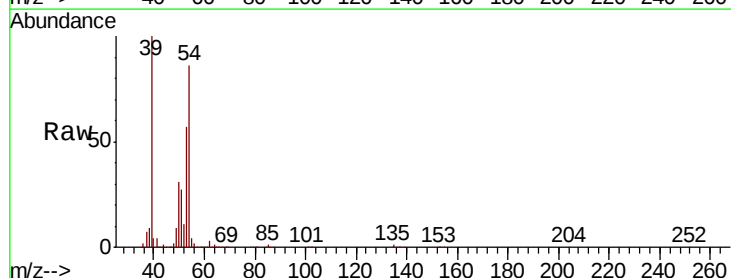
Acq: 25 Aug 2022 15:20

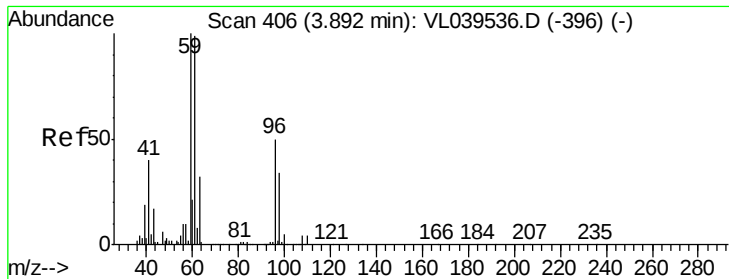
Tgt Ion: 39 Resp: 638171

Ion Ratio Lower Upper

39 100

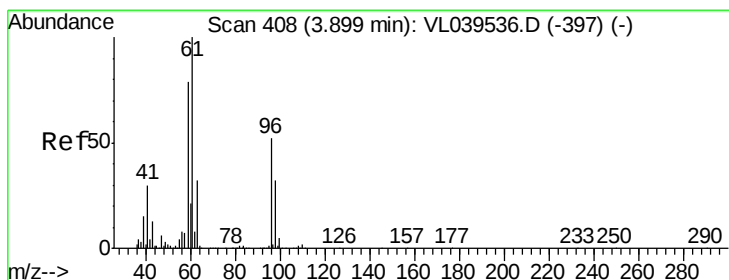
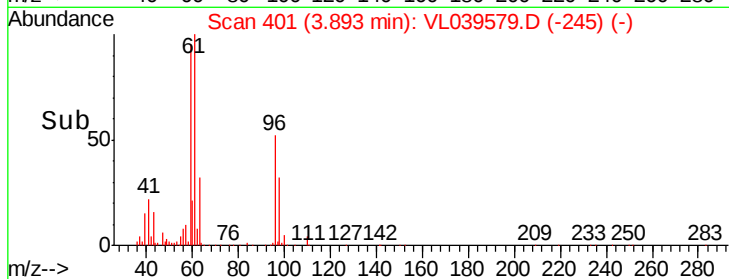
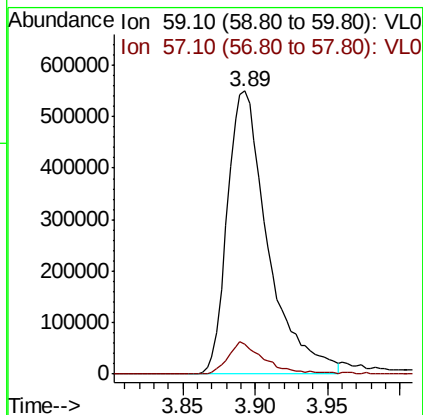
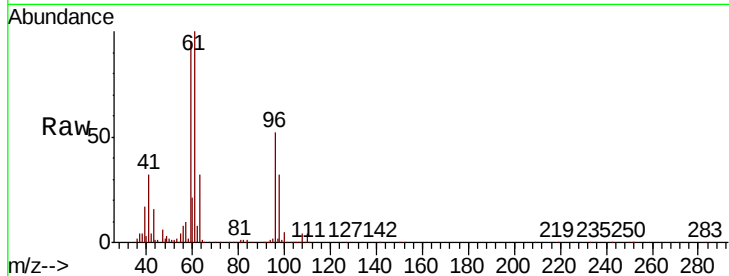
54 81.0 63.7 95.5





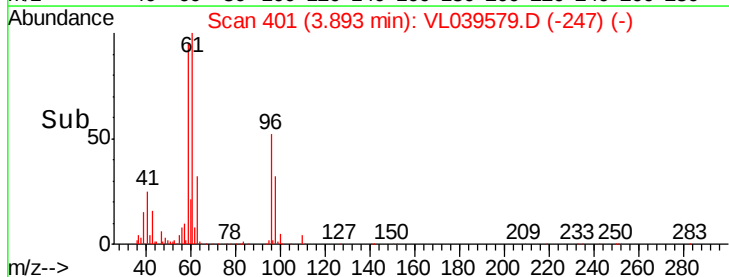
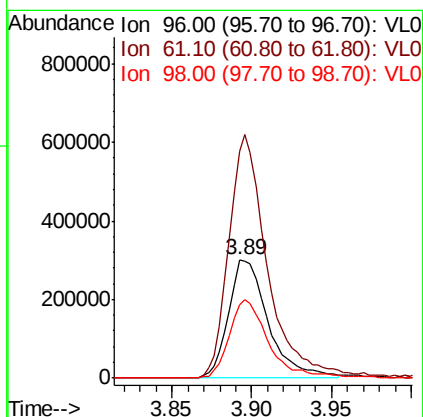
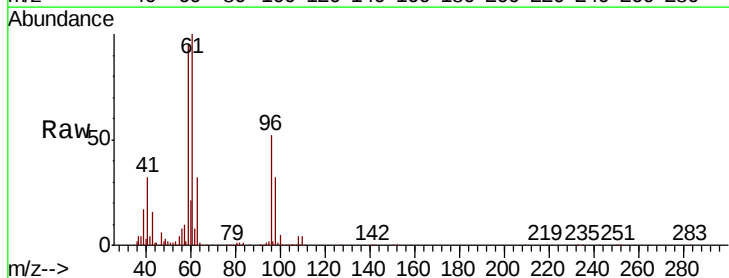
#17
 tert-Butyl alcohol
 Concen: 10.299 ppbv
 RT: 3.89 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

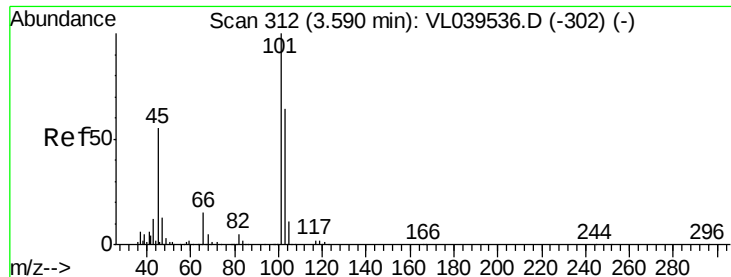
Tot Ion: 59 Resp: 1070584
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 9.666 ppbv
 RT: 3.89 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion: 96 Resp: 511307
 Ion Ratio Lower Upper
 96 100
 61 191.8 152.2 228.4
 98 61.5 51.8 77.6





#19

Isopropyl Alcohol

Concen: 10.860 ppbv

RT: 3.59 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

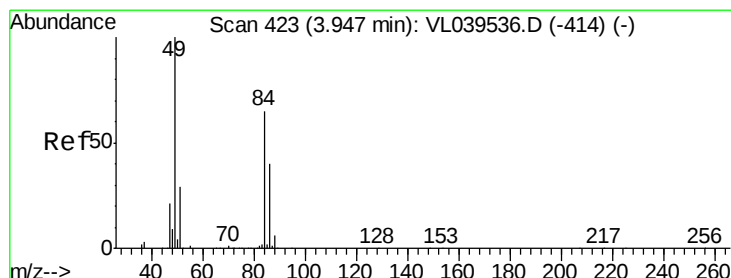
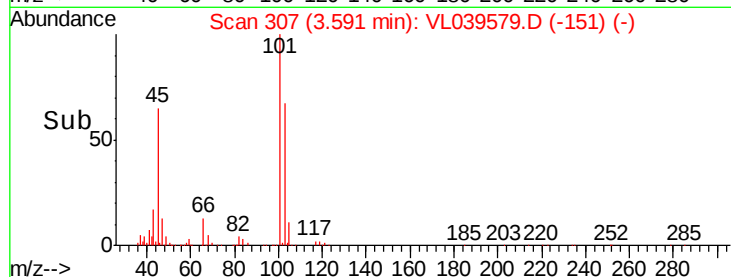
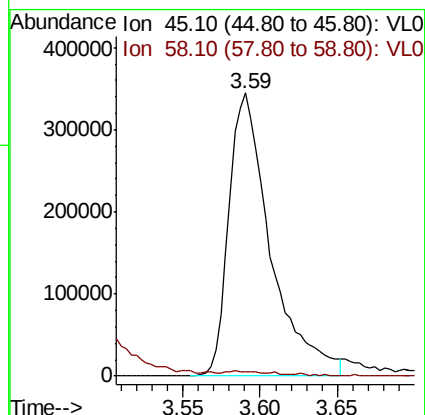
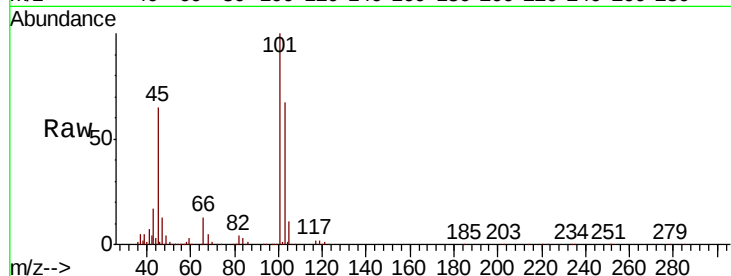
Acq: 25 Aug 2022 15:20

Tot Ion: 45 Resp: 643421

Ion Ratio Lower Upper

45 100

58 2.7 3.2 4.8#



#20

Methylene Chloride

Concen: 8.644 ppbv

RT: 3.95 min Scan# 419

Delta R.T. 0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

Tgt Ion: 84 Resp: 427691

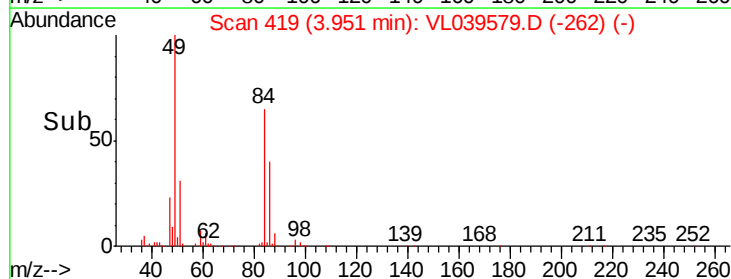
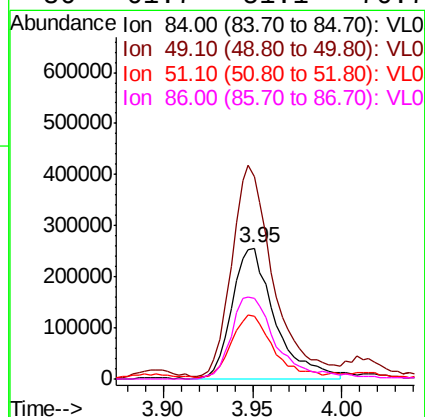
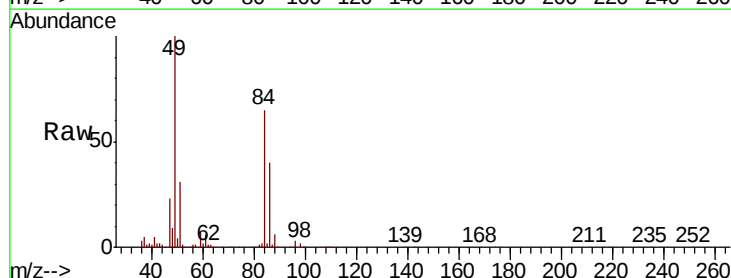
Ion Ratio Lower Upper

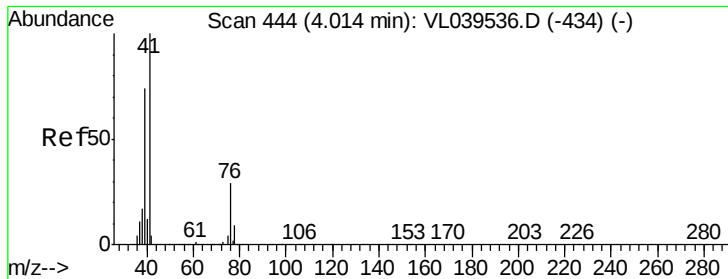
84 100

49 152.5 123.1 184.7

51 46.7 34.4 51.6

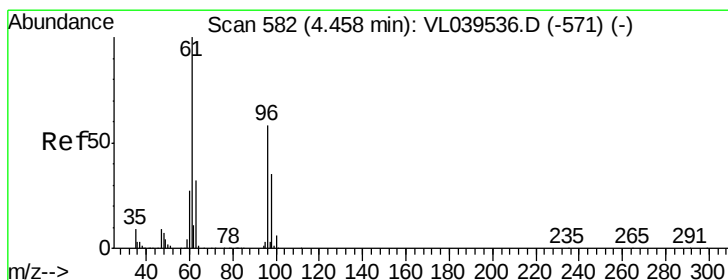
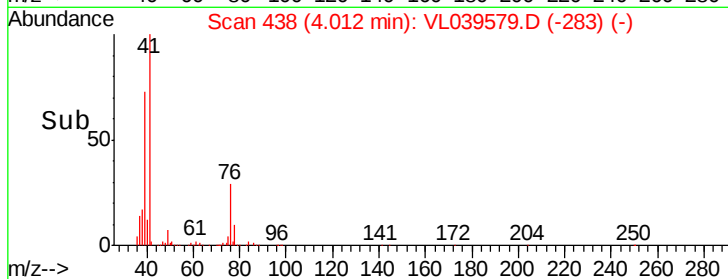
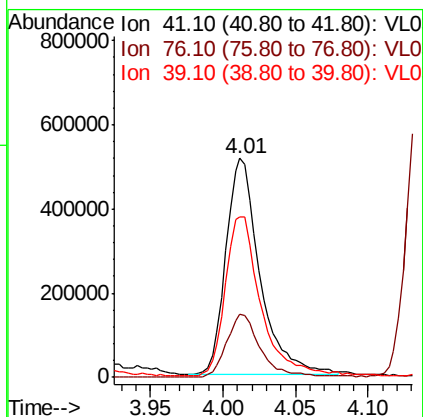
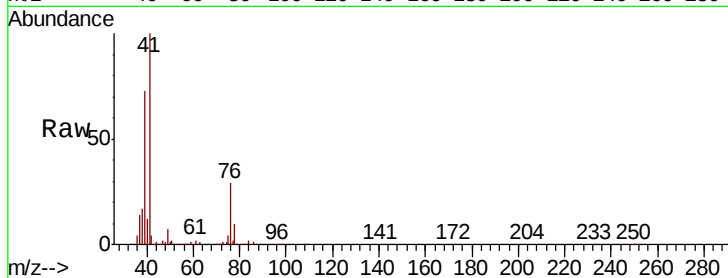
86 61.7 51.1 76.7





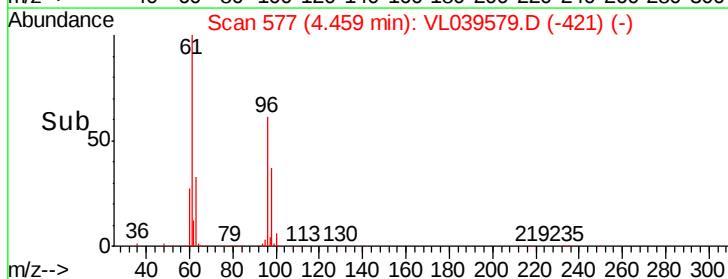
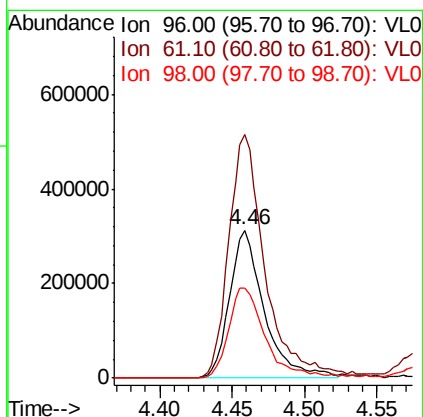
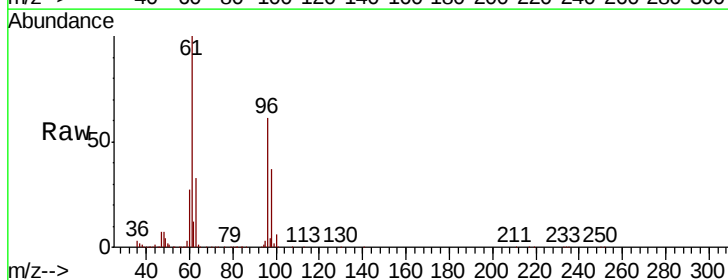
#21
 Allvl Chloride
 Concen: 10.568 ppbv
 RT: 4.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

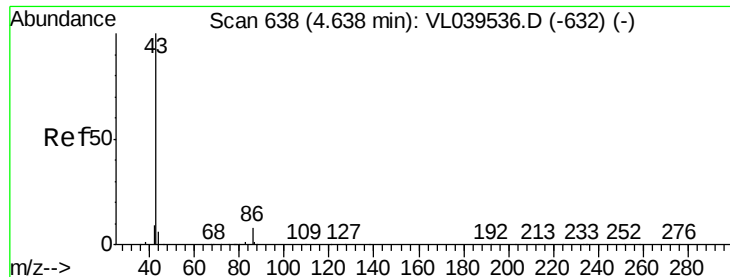
Tot Ion:	41	Resp:	837277
Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.4	36.6
39	78.6	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.865 ppbv
 RT: 4.46 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion:	96	Resp:	519029
Ion	Ratio	Lower	Upper
96	100		
61	164.8	130.6	195.8
98	61.1	53.4	80.0





#23

Vinyl Acetate

Concen: 10.615 ppbv

RT: 4.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 25 Aug 2022 15:20

Tot Ion: 43 Resp: 614753

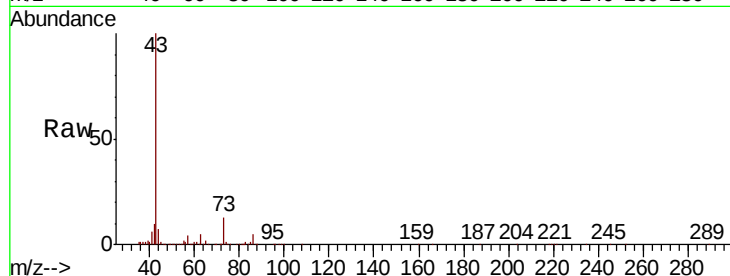
Ion Ratio Lower Upper

43 100

86 5.2 5.0 7.6

42 9.6 7.7 11.5

44 5.7 4.6 7.0

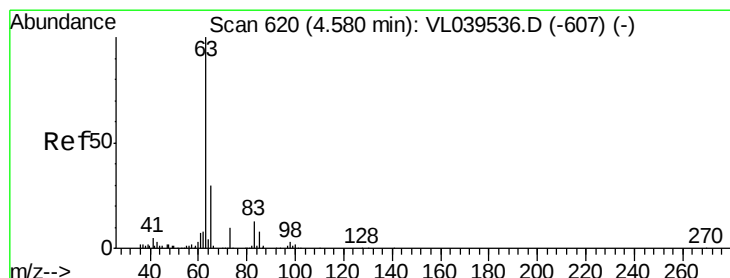
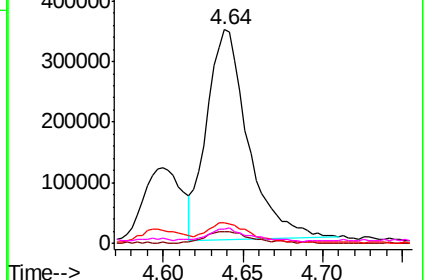
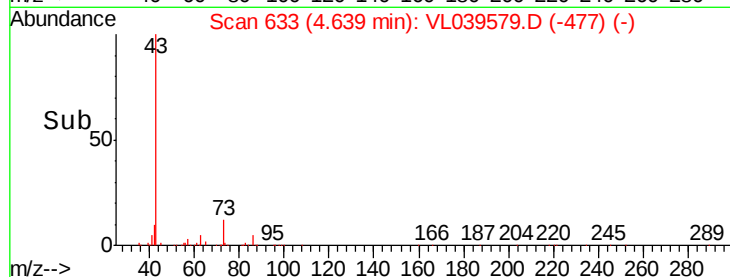


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.828 ppbv

RT: 4.58 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

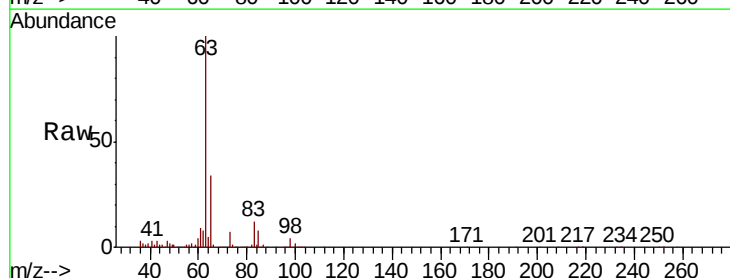
Tgt Ion: 63 Resp: 1053542

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.3

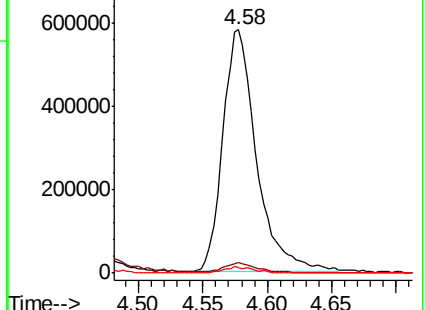
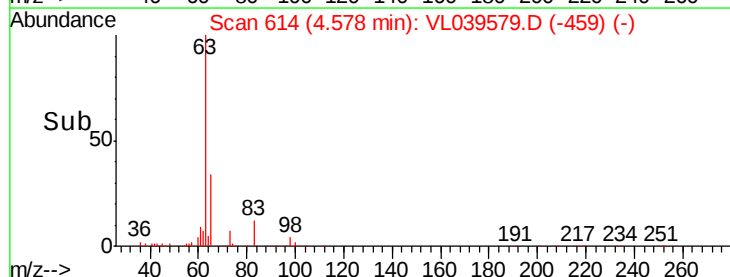
100 2.3 1.5 4.4

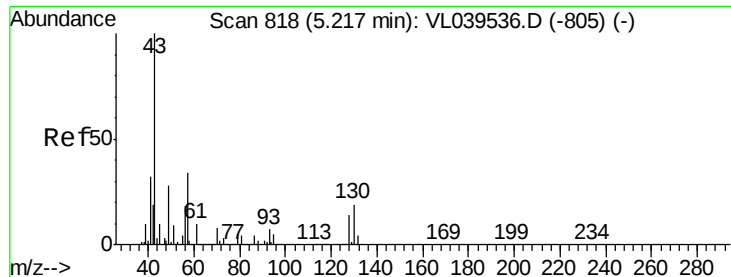


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

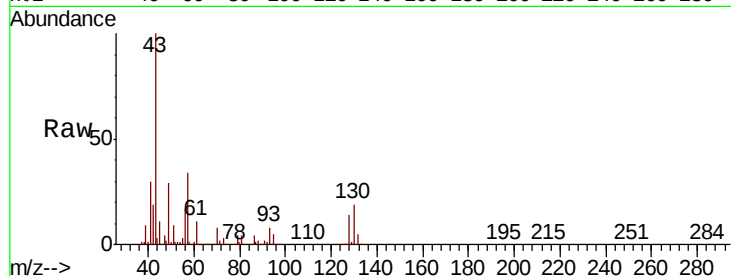
Ion 100.00 (99.70 to 100.70): VL0



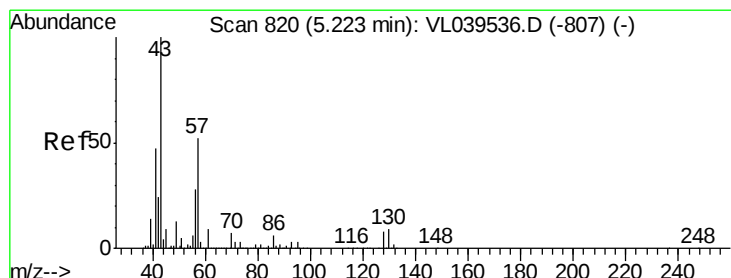
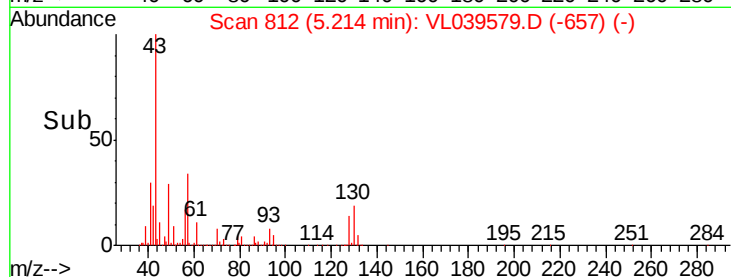
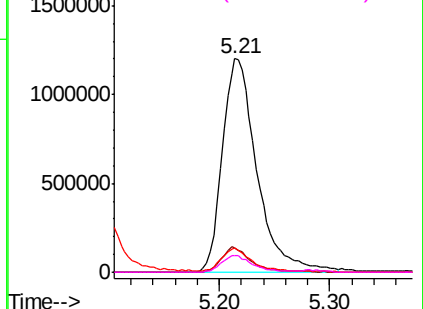


#25
Ethyl Acetate
Concen: 9.969 ppbv
RT: 5.21 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 25 Aug 2022 15:20

Tot Ion:	43	Resp:	2598029
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	10.5	8.3	12.5
70	7.1	5.9	8.9

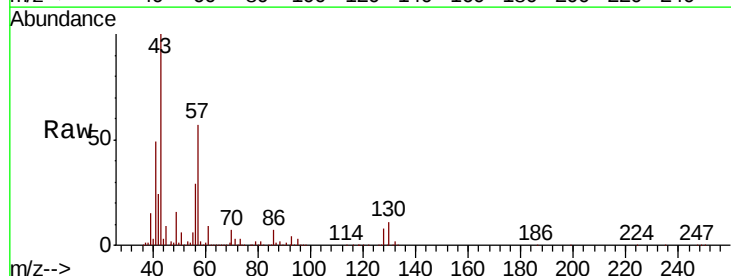


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

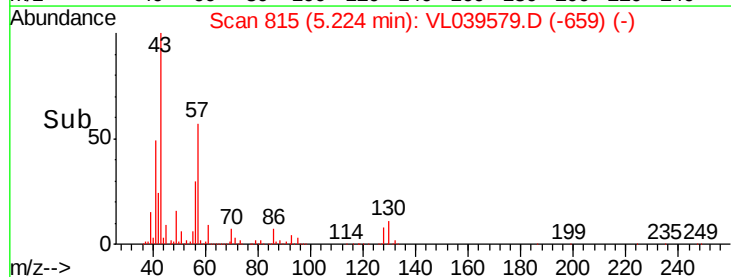
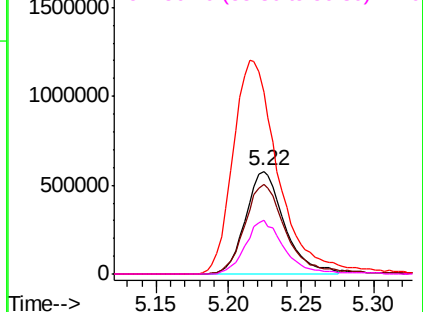


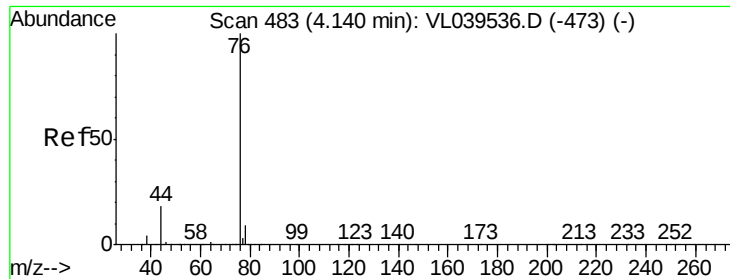
#26
Hexane
Concen: 10.161 ppbv
RT: 5.22 min Scan# 815
Delta R.T. 0.00 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20

Tgt Ion:	57	Resp:	1080807
Ion	Ratio	Lower	Upper
57	100		
41	94.2	76.9	115.3
43	244.8	191.0	286.6
56	53.2	43.2	64.8



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

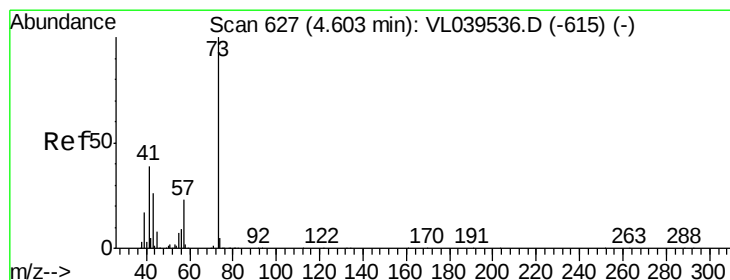
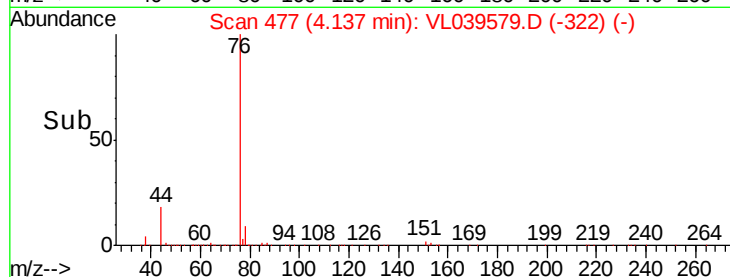
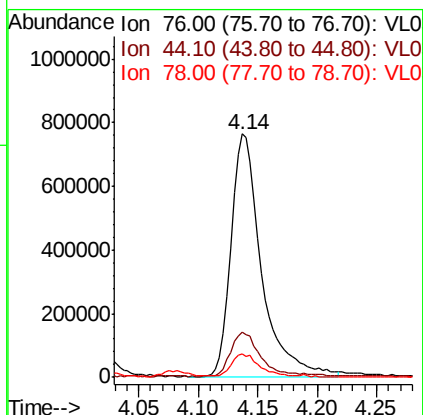
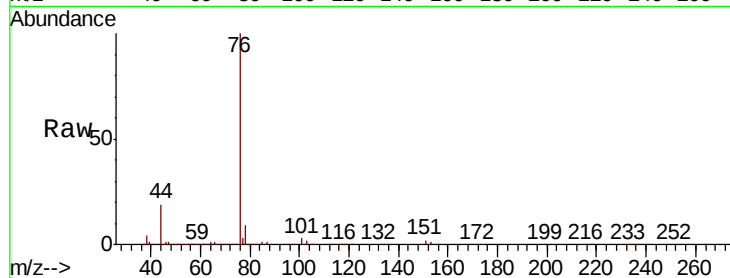




#27
Carbon Disulfide
Concen: 11.937 ppbv
RT: 4.14
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010
Acq: 25 Aug 2022 15:20

Tot Ion: 76 Resp: 1356382

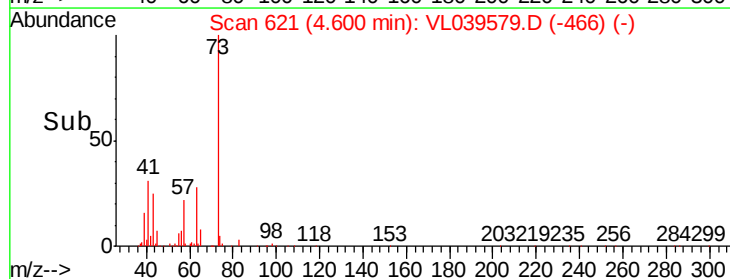
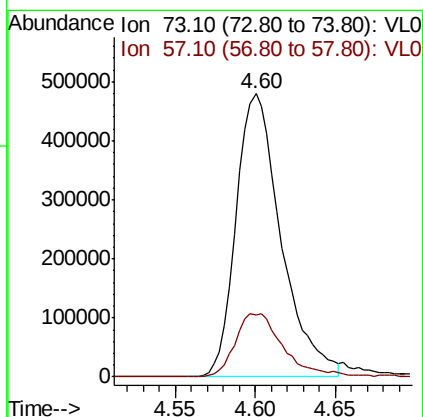
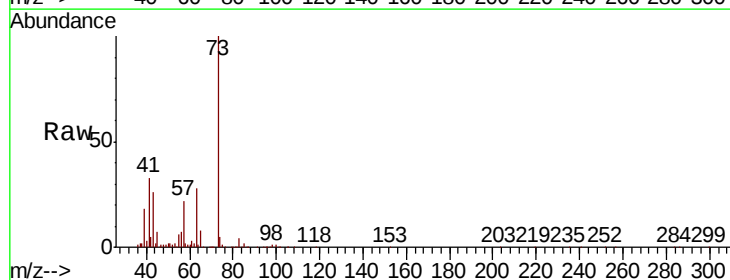
Ion	Ratio	Lower	Upper
76	100		
44	18.7	14.6	21.8
78	10.2	7.8	11.6

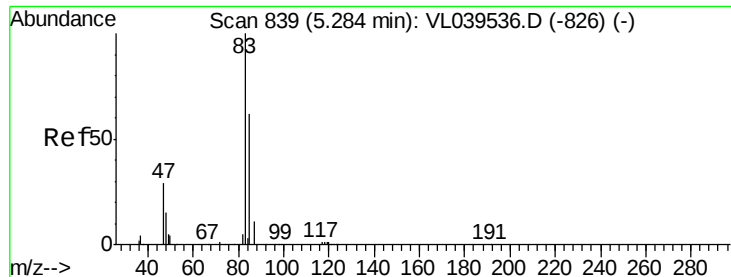


#28
Methyl tert-Butyl Ether
Concen: 10.044 ppbv
RT: 4.60 min Scan# 621
Delta R.T.: -0.00 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20

Tgt Ion: 73 Resp: 921598

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.8





#29

Chloroform

Concen: 9.707 ppbv

RT: 5.29 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

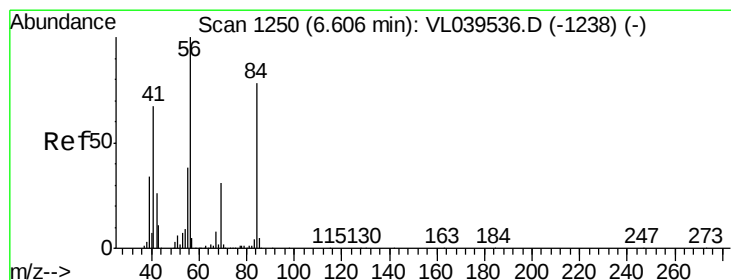
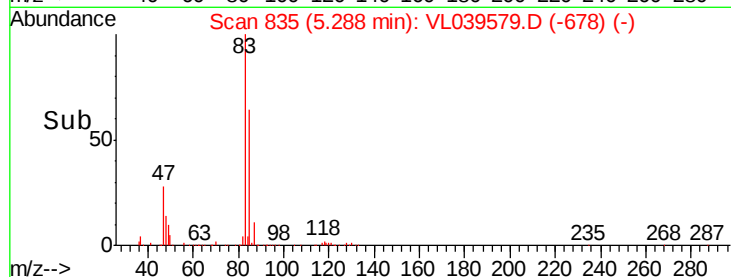
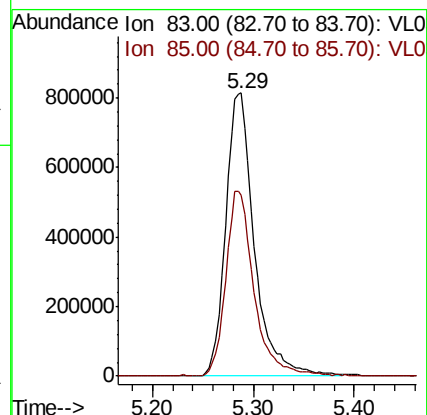
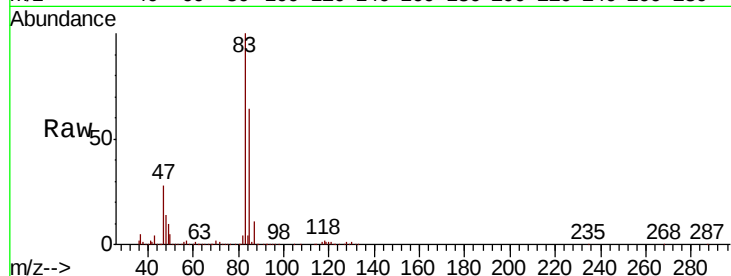
Acq: 25 Aug 2022 15:20

Tot Ion: 83 Resp: 1614703

Ion Ratio Lower Upper

83 100

85 63.9 52.8 79.2



#30

Cyclohexane

Concen: 10.143 ppbv

RT: 6.61 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

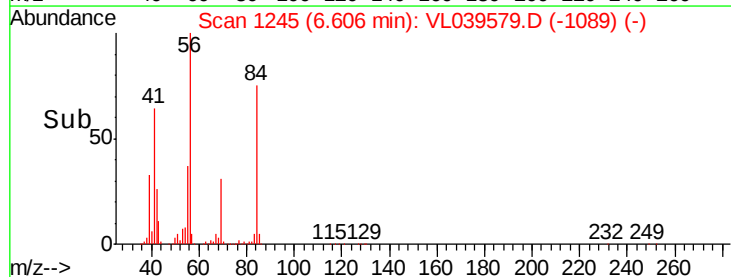
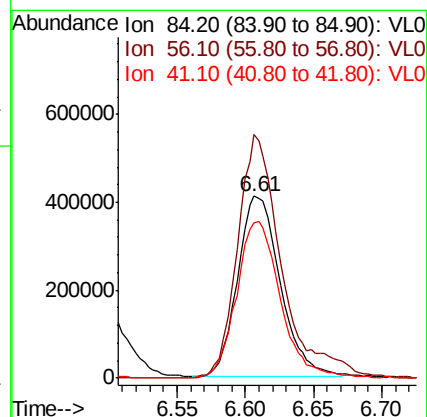
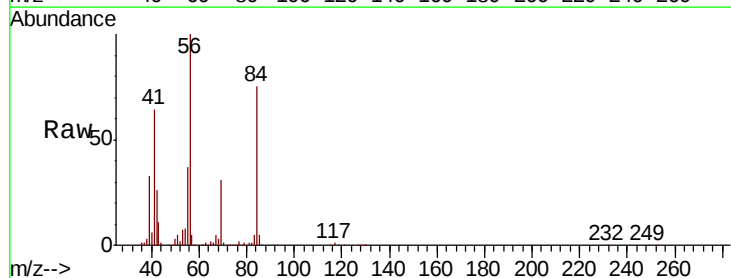
Tgt Ion: 84 Resp: 893383

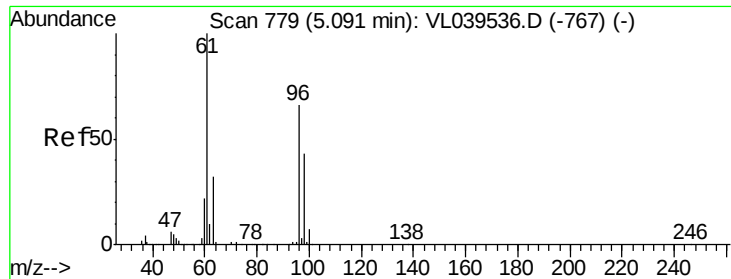
Ion Ratio Lower Upper

84 100

56 140.4 107.7 161.5

41 89.0 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.265 ppbv

RT: 5.09 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 25 Aug 2022 15:20

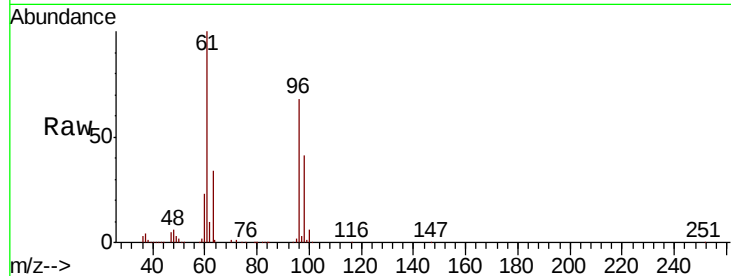
Tot Ion: 61 Resp: 1057529

Ion Ratio Lower Upper

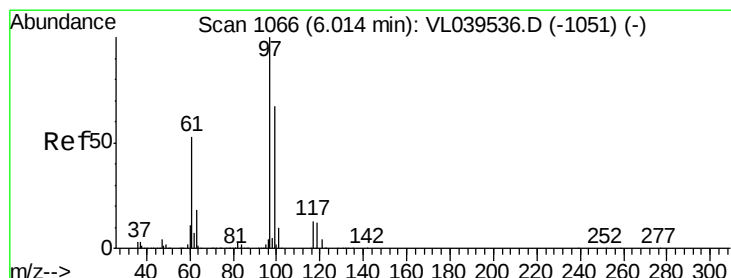
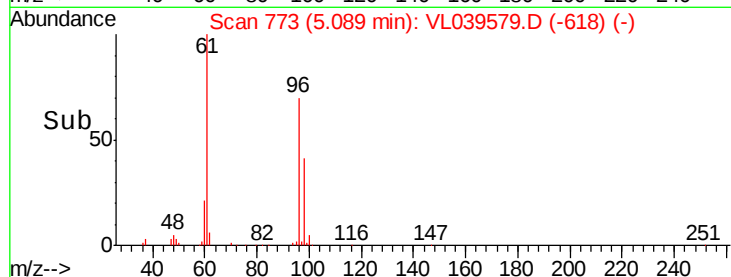
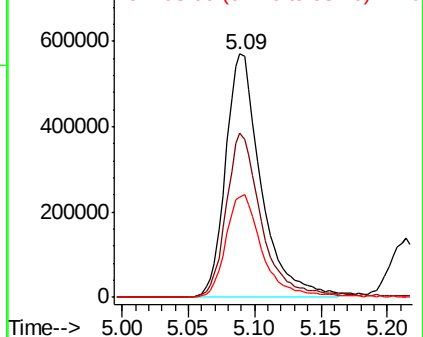
61 100

96 67.7 54.1 81.1

98 41.4 34.6 52.0



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: 10.695 ppbv

RT: 6.01 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

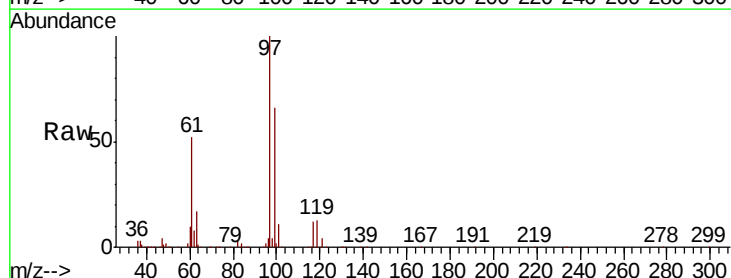
Tgt Ion: 97 Resp: 1565097

Ion Ratio Lower Upper

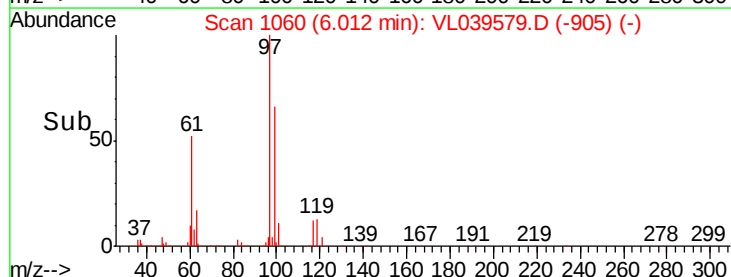
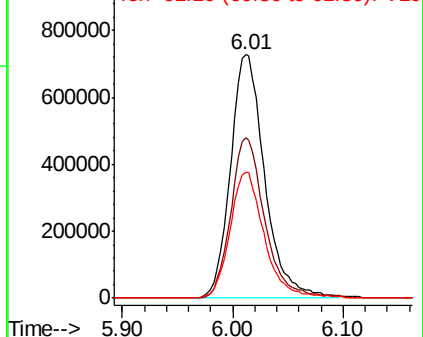
97 100

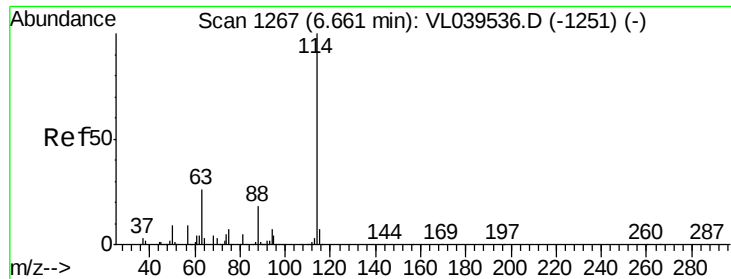
99 65.8 52.3 78.5

61 52.2 40.9 61.3



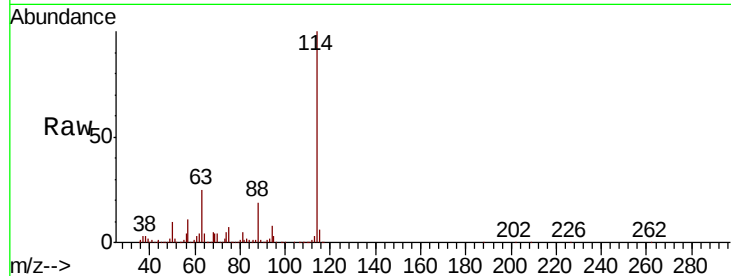
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



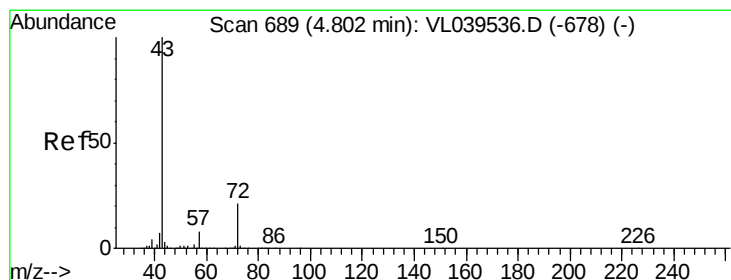
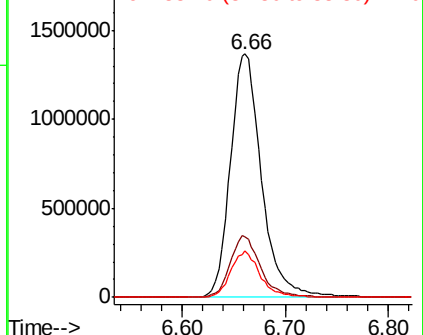
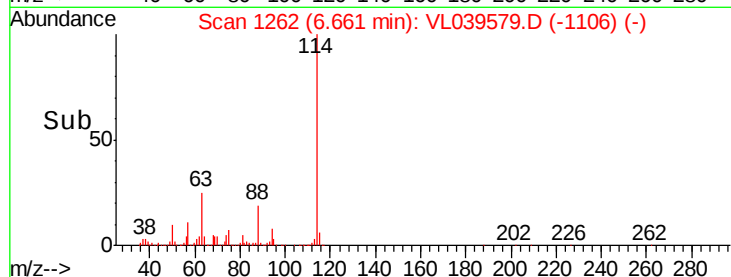


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.4
88	18.1	14.5	21.7

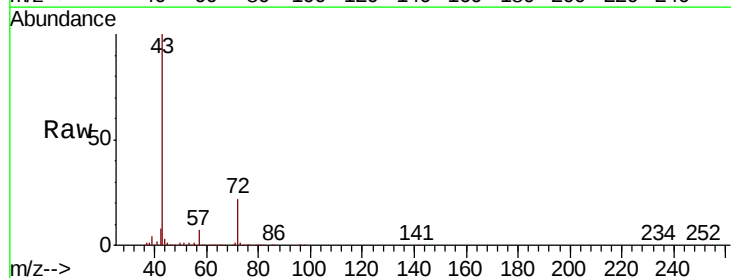


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

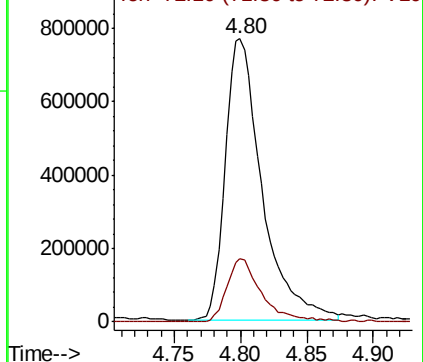
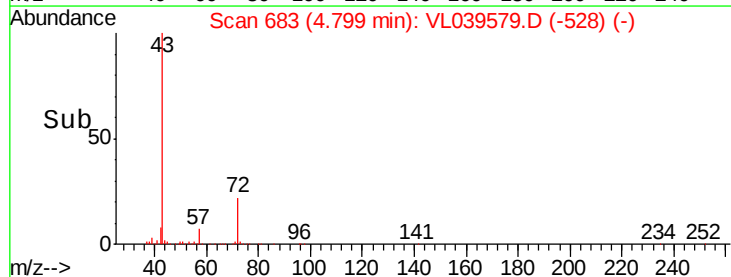


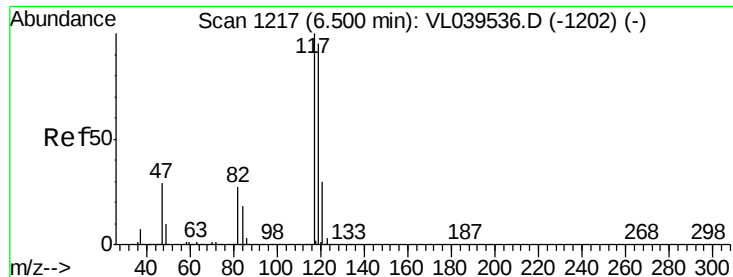
#34
 2-Butanone
 Concen: 10.443 ppbv
 RT: 4.80 min Scan# 683
 Delta R.T.: -0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.9	26.9



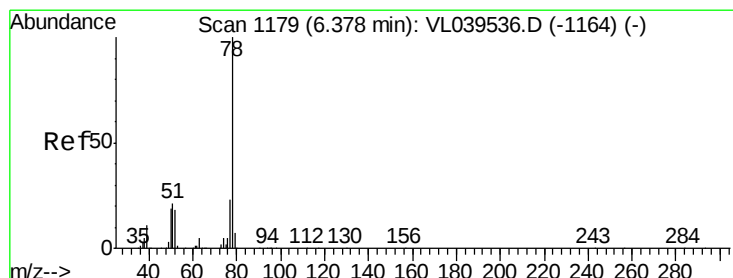
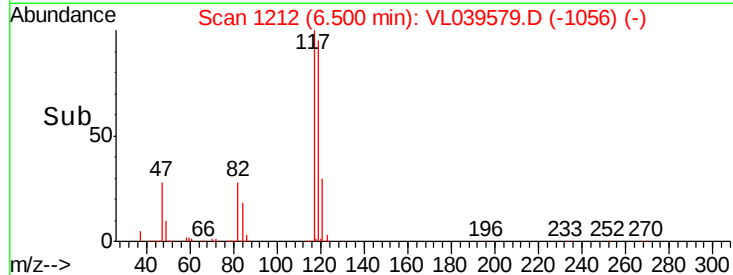
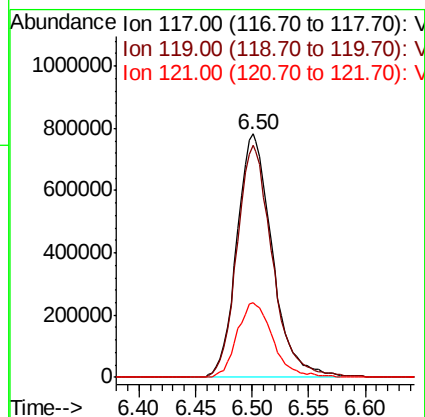
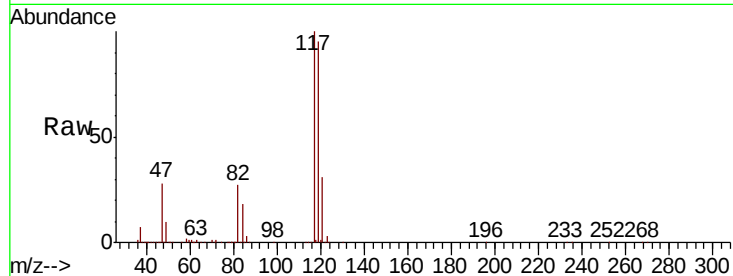
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





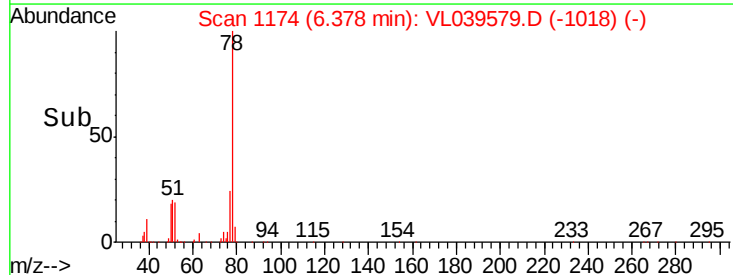
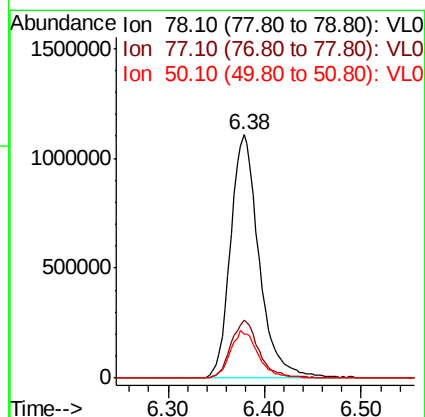
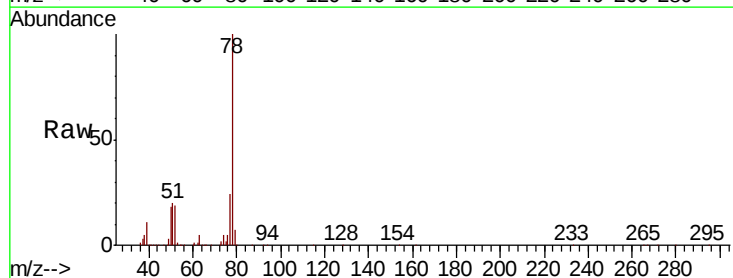
#35
 Carbon Tetrachloride
 Concen: 10.937 ppbv
 RT: 6.50
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

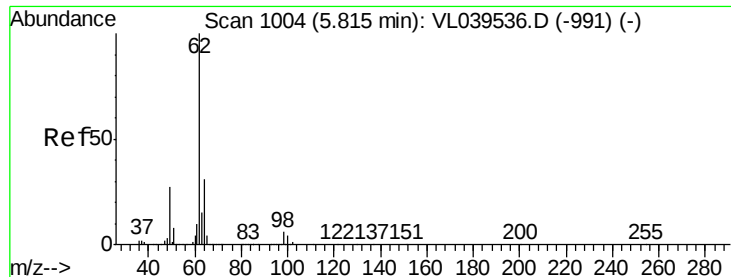
Tot Ion:117 Resp: 1699623
 Ion Ratio Lower Upper
 117 100
 119 95.4 75.4 113.2
 121 30.7 24.2 36.2



#36
 Benzene
 Concen: 10.357 ppbv
 RT: 6.38 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

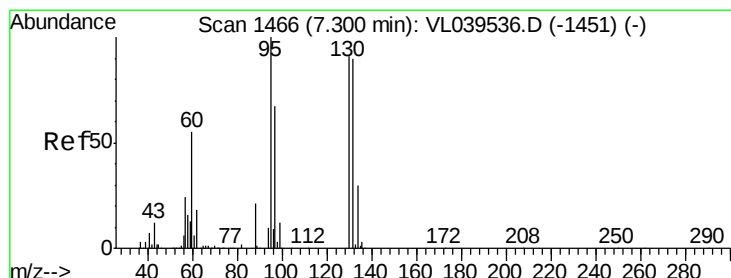
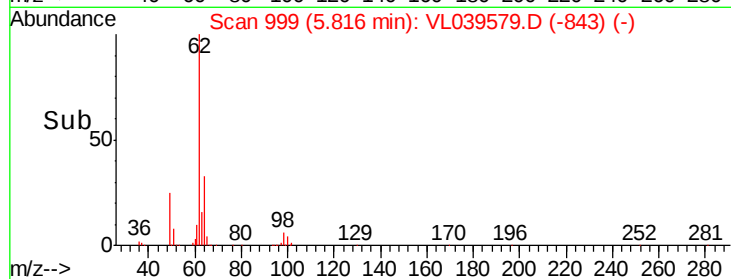
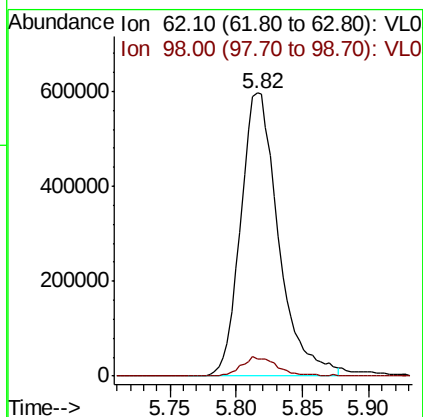
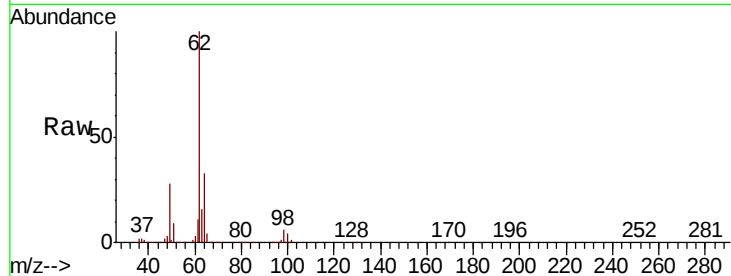
Tgt Ion: 78 Resp: 2269667
 Ion Ratio Lower Upper
 78 100
 77 23.9 20.3 30.5
 50 18.2 15.5 23.3





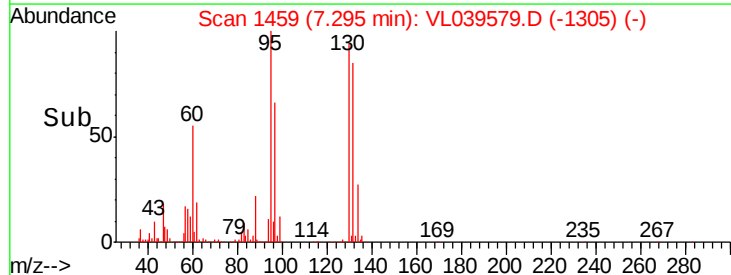
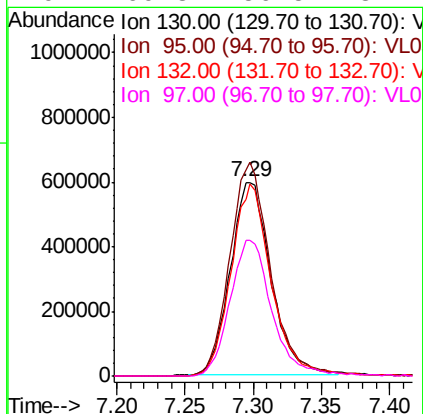
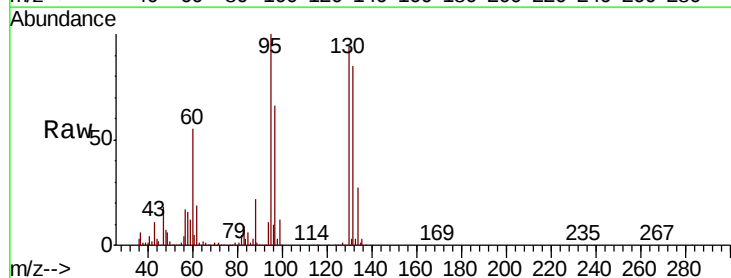
#37
 1,2-Dichloroethane
 Concen: 9.827 ppbv
 RT: 5.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

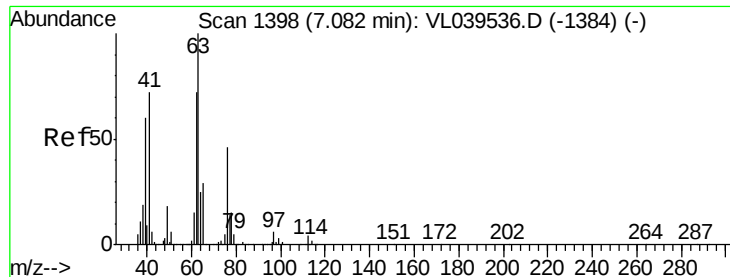
Tot Ion: 62 Resp: 1186156
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.1 7.7



#38
 Trichloroethene
 Concen: 10.576 ppbv
 RT: 7.29 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion:130 Resp: 1241722
 Ion Ratio Lower Upper
 130 100
 95 106.5 87.3 130.9
 132 91.2 76.7 115.1
 97 69.8 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.528 ppbv

RT: 7.08 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Aug 2022 15:20 VSTDCCC010

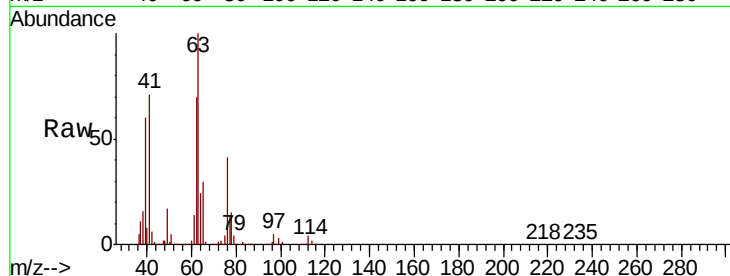
Tot Ion: 63 Resp: 867427

Ion Ratio Lower Upper

63 100

41 70.5 59.6 89.4

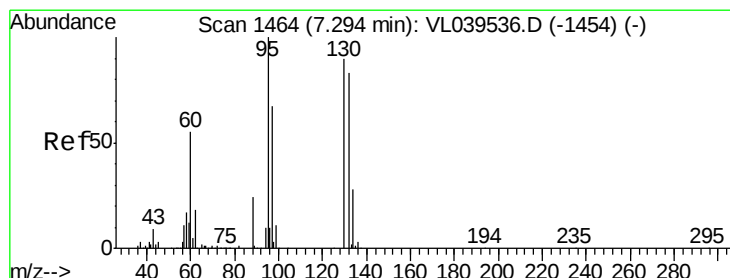
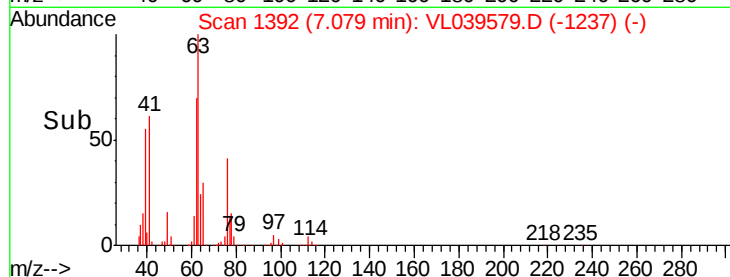
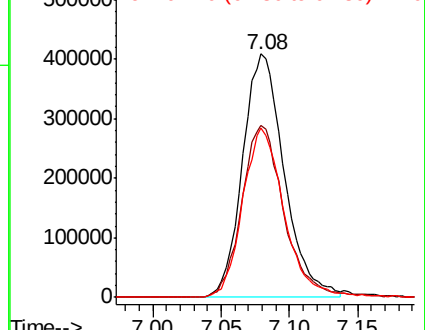
62 69.7 51.4 77.0



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: 10.335 ppbv

RT: 7.29 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

Tgt Ion: 88 Resp: 333357

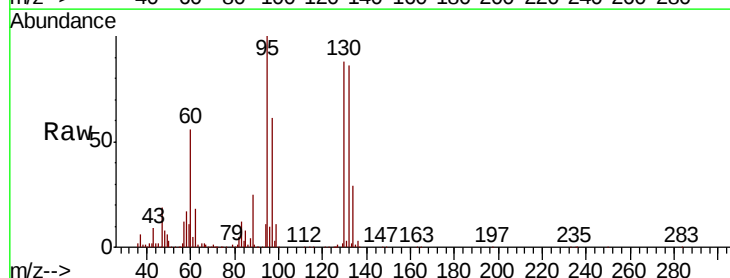
Ion Ratio Lower Upper

88 100

58 127.6 100.2 150.4

43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#

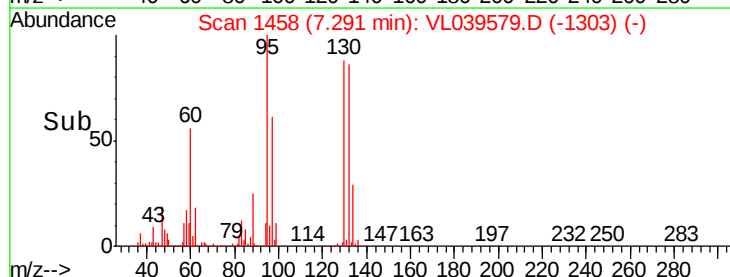
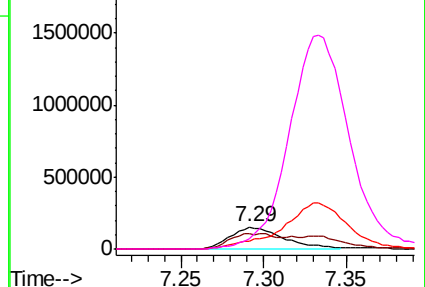


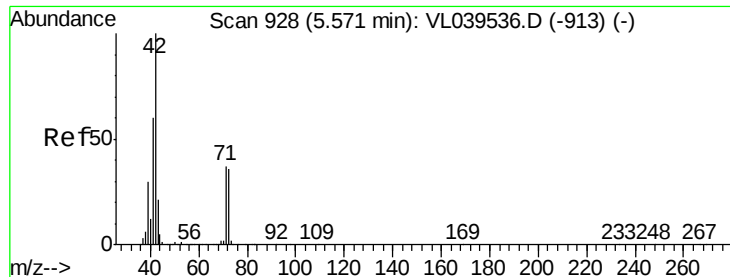
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.986 ppbv

RT: 5.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Aug 2022 15:20

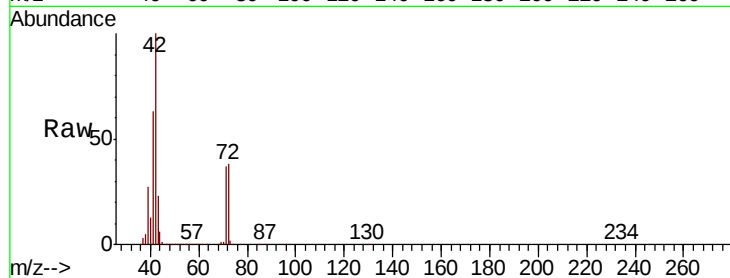
Tot Ion: 42 Resp: 937959

Ion Ratio Lower Upper

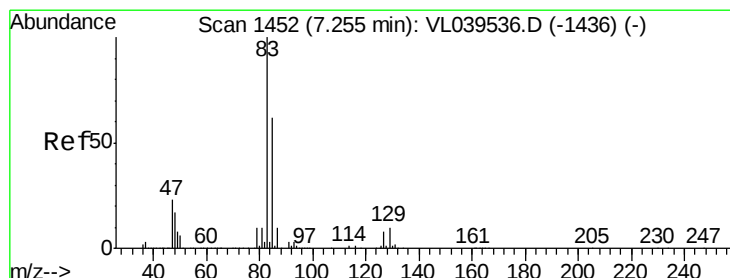
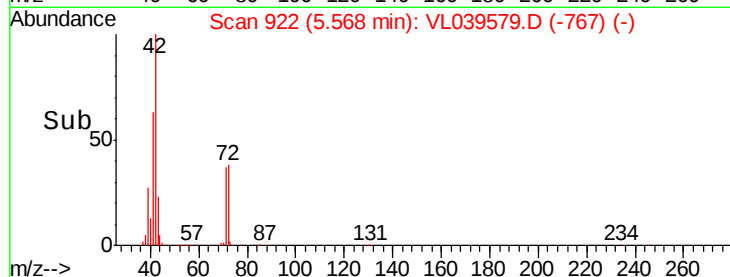
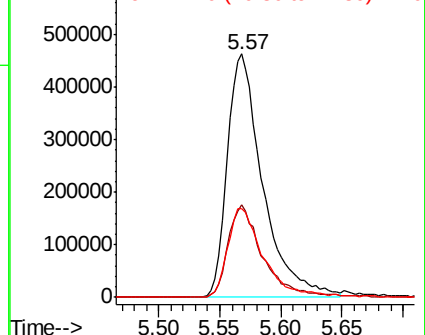
42 100

72 38.0 31.8 47.8

71 37.4 31.8 47.8



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: 10.677 ppbv

RT: 7.25 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

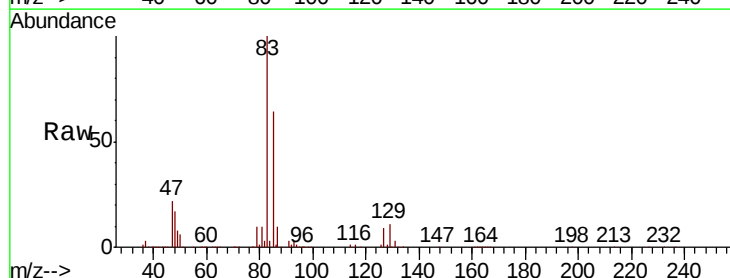
Tgt Ion: 83 Resp: 1763514

Ion Ratio Lower Upper

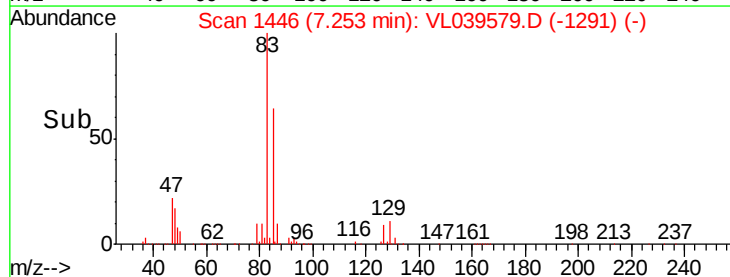
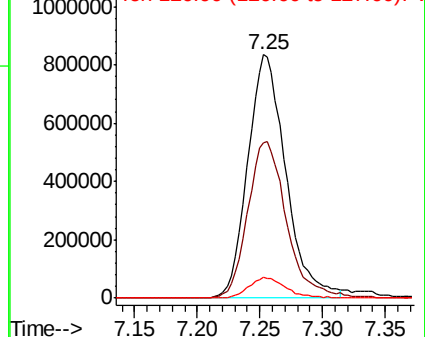
83 100

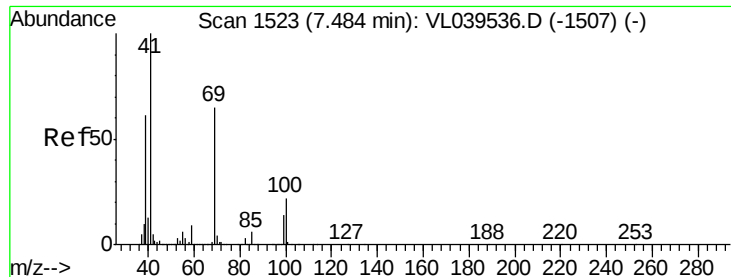
85 63.9 50.7 76.1

127 8.7 6.6 9.8



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: 11.320 ppbv

RT: 7.48

Instrument: MSVOA_1

Delta R.T.:

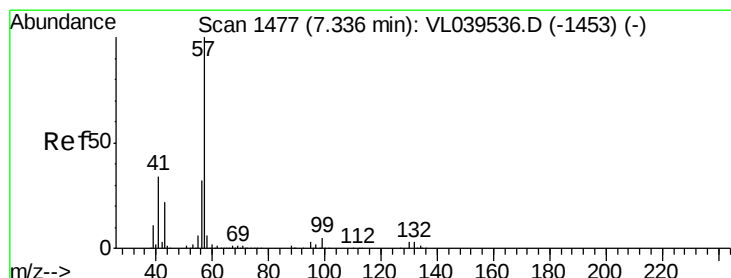
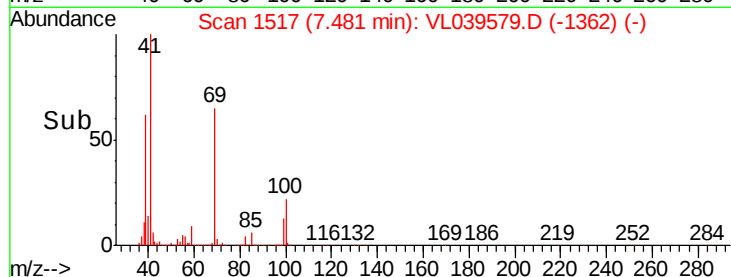
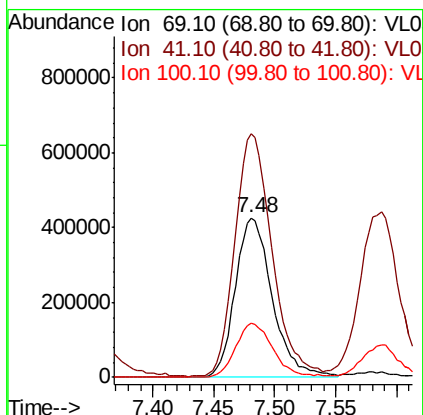
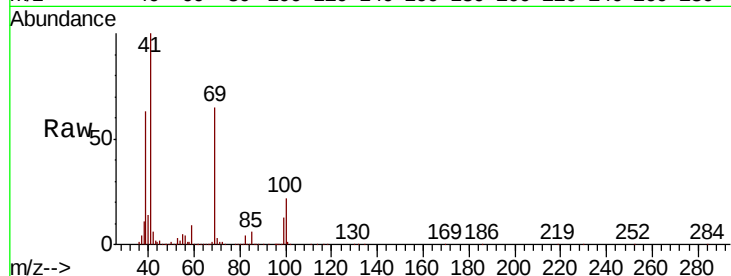
Client Sample Id:

Lab File: VSTDCCC010

Acq: 25 Aug 2022 15:20

Tot Ion: 69 Resp: 894525

Ion	Ratio	Lower	Upper
69	100		
41	154.6	120.8	181.2
100	34.3	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 10.240 ppbv

RT: 7.33 min Scan# 1471

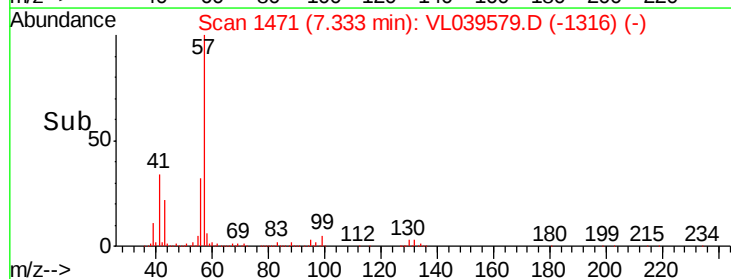
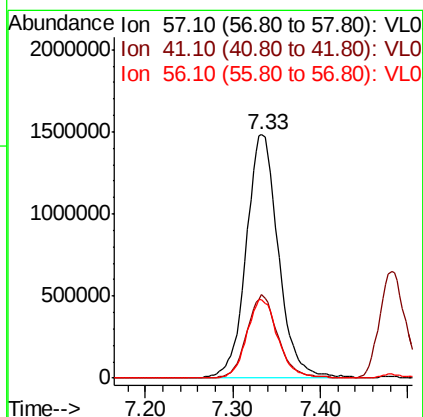
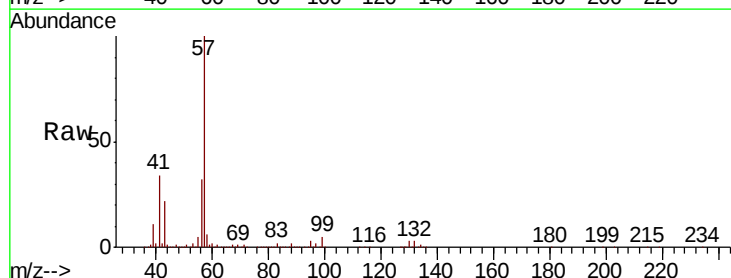
Delta R.T. -0.00 min

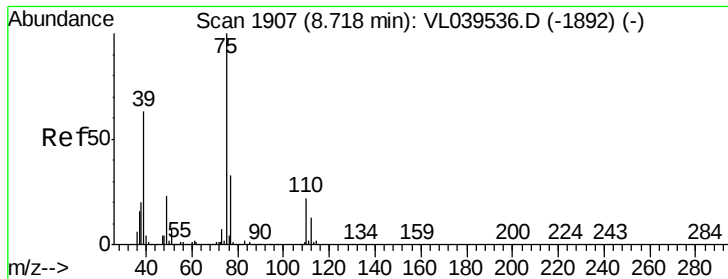
Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

Tgt Ion: 57 Resp: 3782807

Ion	Ratio	Lower	Upper
57	100		
41	32.8	27.4	41.2
56	31.5	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 13.205 ppbv

RT: 8.71 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

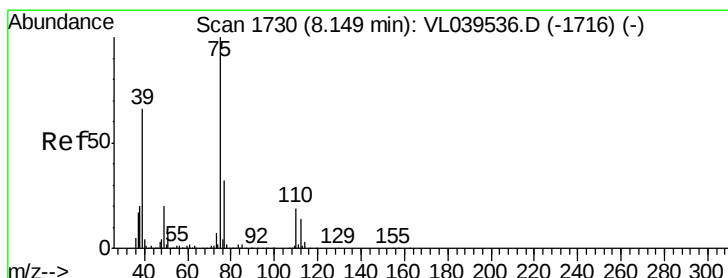
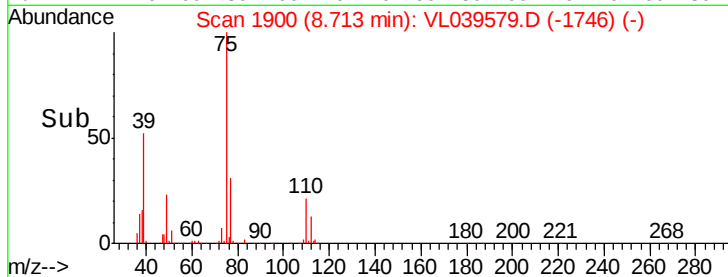
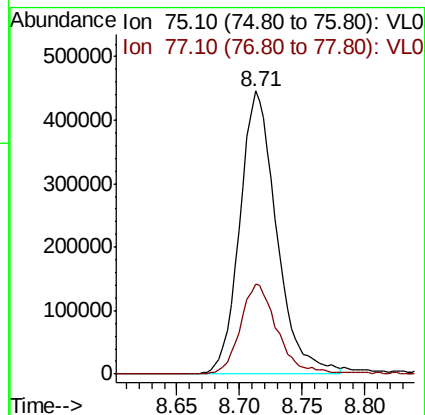
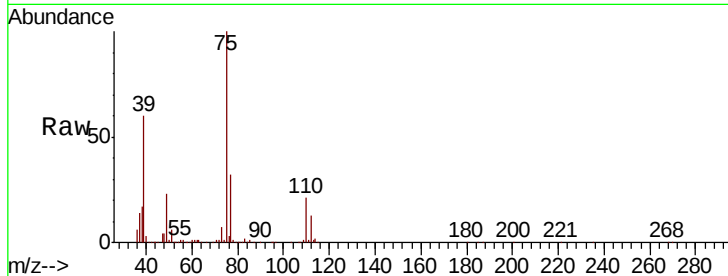
Acq: 25 Aug 2022 15:20 VSTDCCC010

Tot Ion: 75 Resp: 908715

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 12.570 ppbv

RT: 8.15 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

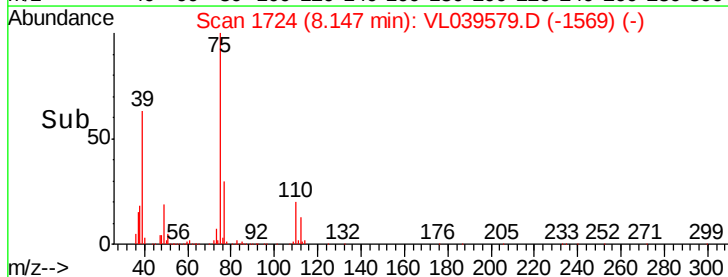
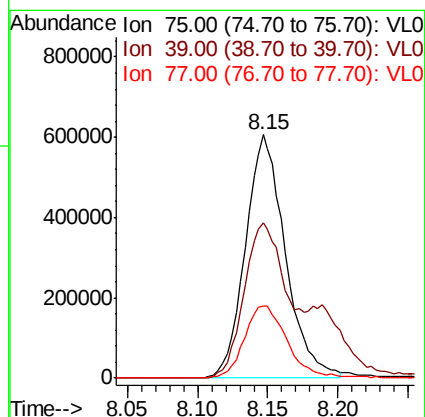
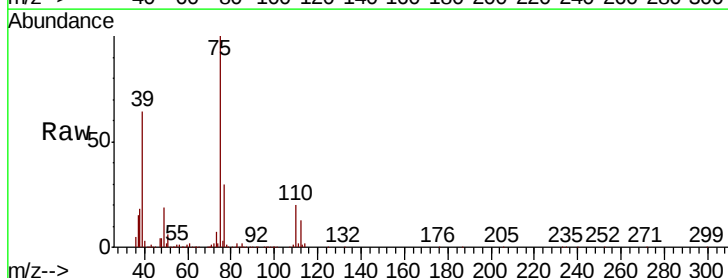
Tgt Ion: 75 Resp: 1198153

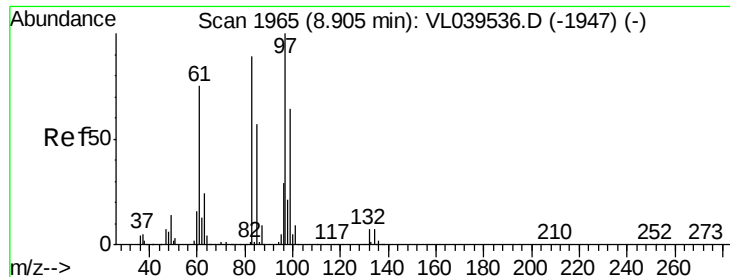
Ion Ratio Lower Upper

75 100

39 63.9 55.0 82.4

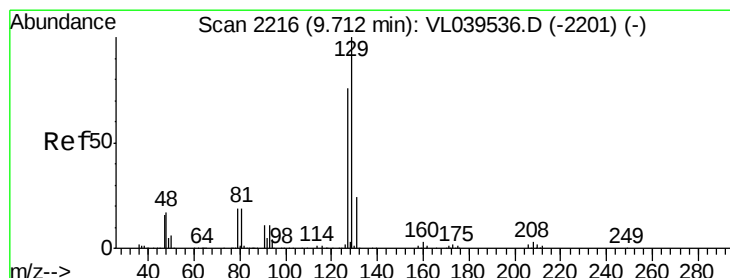
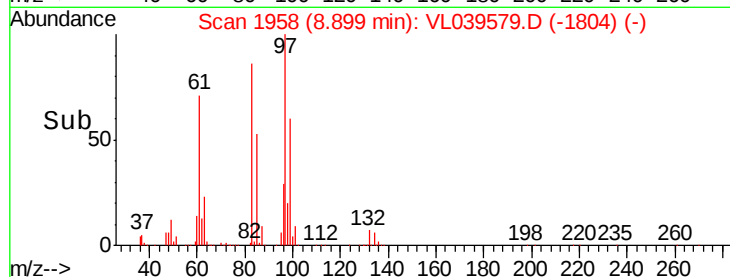
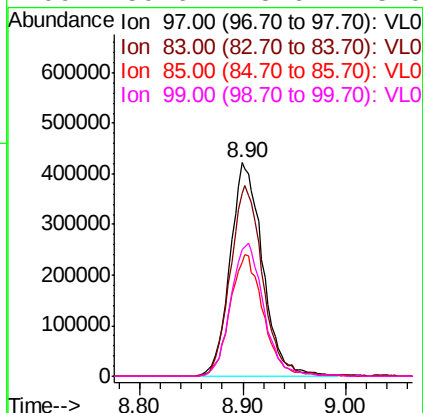
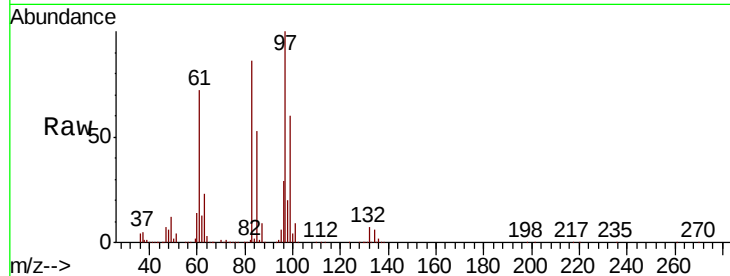
77 29.9 25.7 38.5





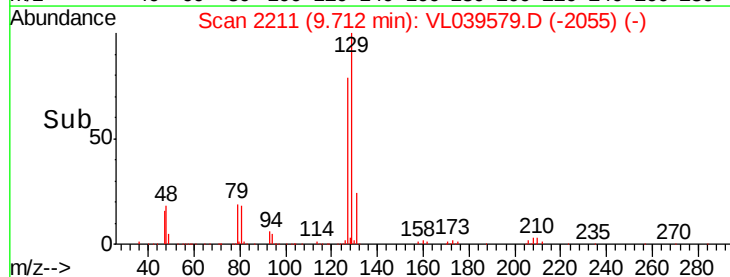
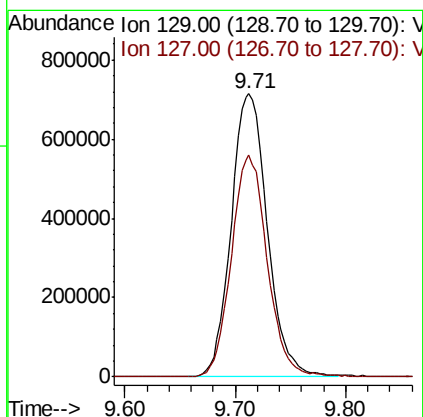
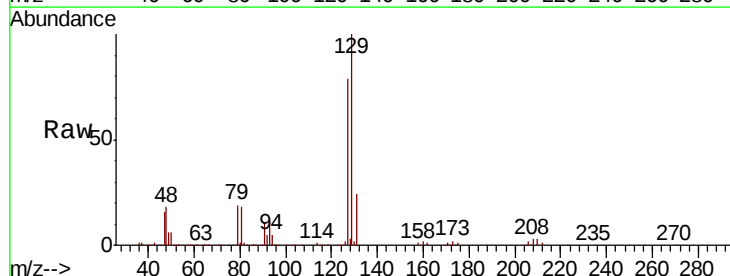
#47
 1,1,2-Trichloroethane
 Concen: 9.871 ppbv
 RT: 8.90
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

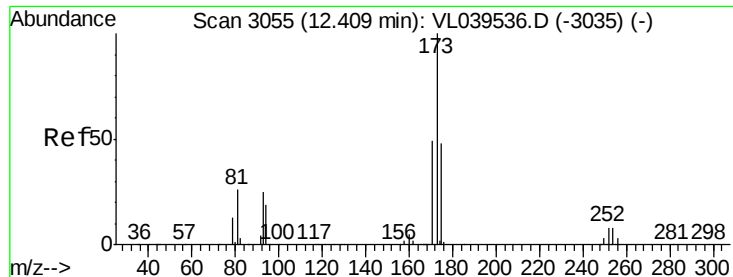
Tot Ion:	97	Resp:	928816
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.0
85	53.4	45.1	67.7
99	59.6	48.6	73.0



#48
 Dibromochloromethane
 Concen: 11.715 ppbv
 RT: 9.71 min Scan# 2211
 Delta R.T. 0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion:	129	Resp:	1624895
Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.3	117.9





#49

Bromoform

Concen: 12.005 ppbv

RT: 12.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Aug 2022 15:20

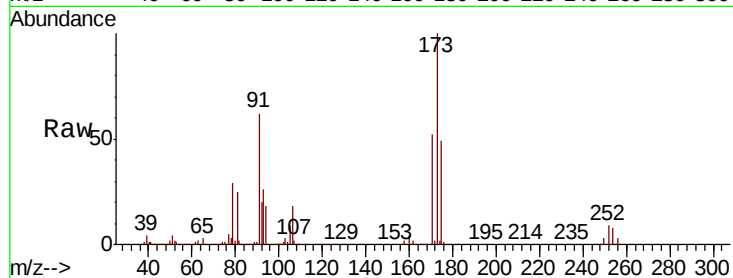
Tot Ion:173 Resp: 1379204

Ion Ratio Lower Upper

173 100

175 49.6 40.3 60.5

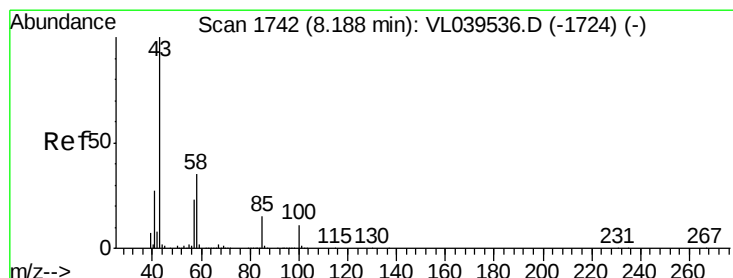
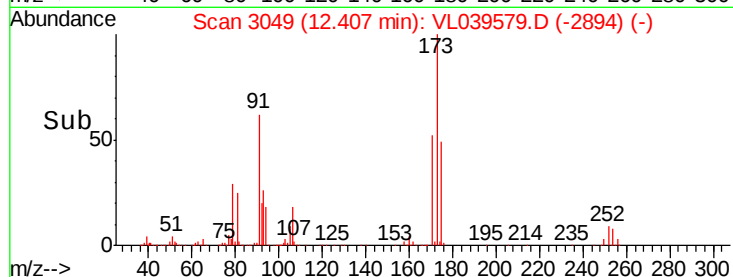
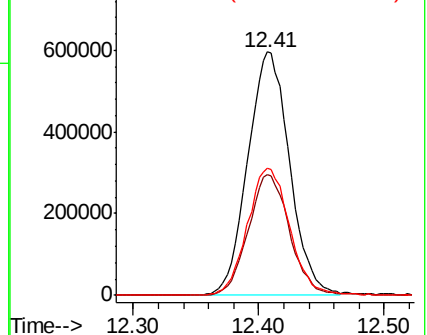
171 53.1 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.489 ppbv

RT: 8.19 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VL039579.D

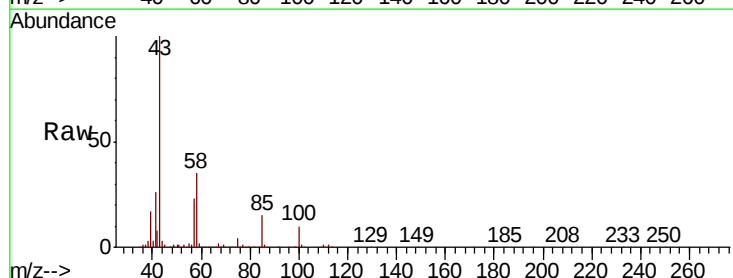
Acq: 25 Aug 2022 15:20

Tgt Ion: 43 Resp: 2335530

Ion Ratio Lower Upper

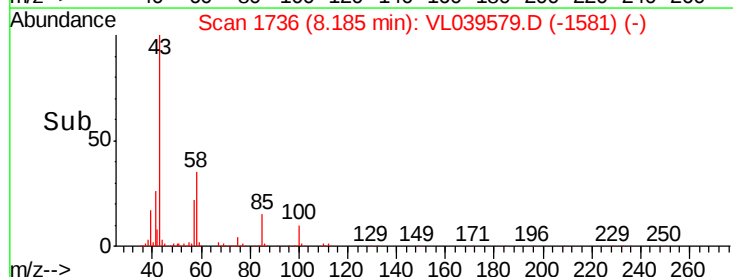
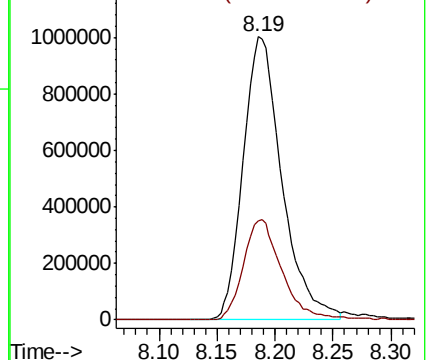
43 100

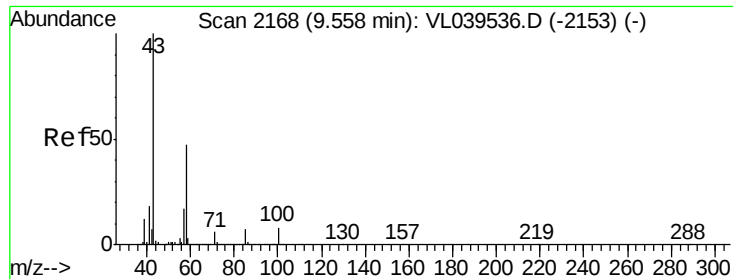
58 35.5 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

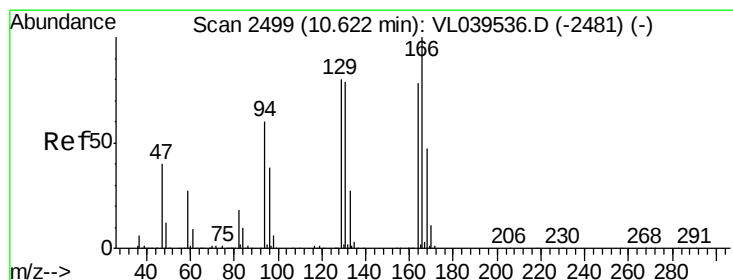
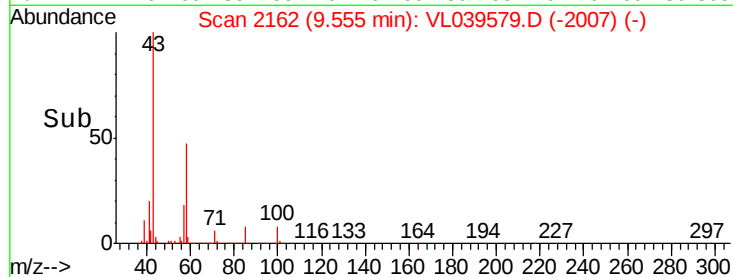
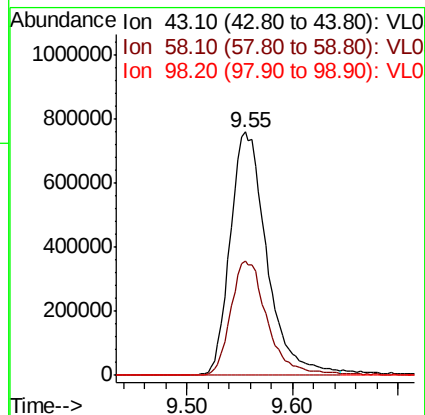
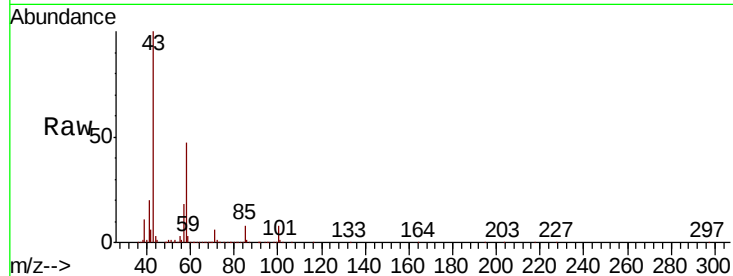
Ion 58.10 (57.80 to 58.80): VL0



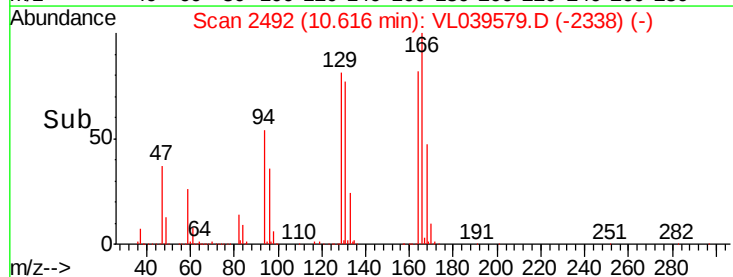
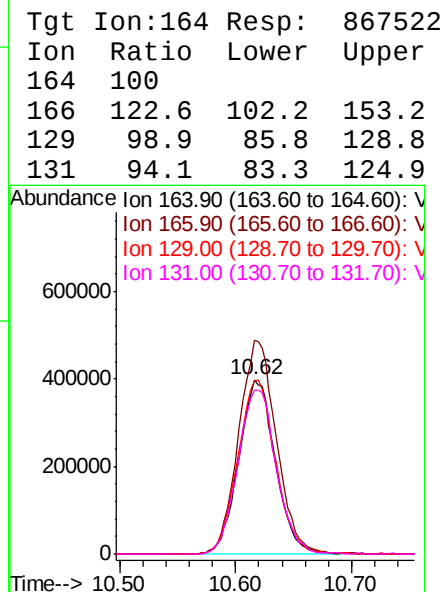
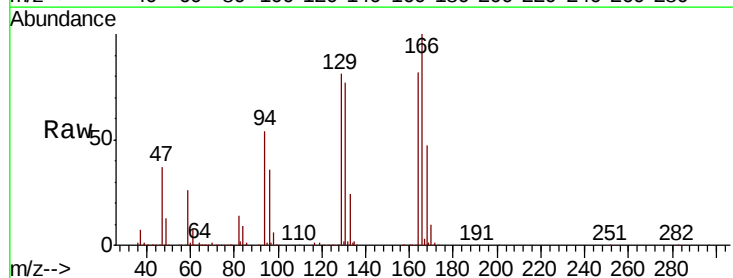


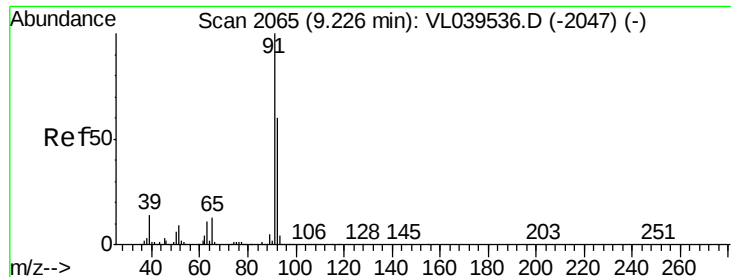
#51
2-Hexanone
Concen: 11.110 ppbv
RT: 9.55 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Aug 2022 15:20
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.4	57.6
98	0.2	0.3	0.5#



#52
Tetrachloroethene
Concen: 10.464 ppbv
RT: 10.62 min Scan# 2492
Delta R.T.: -0.01 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20





#53

Toluene

Concen: 10.861 ppbv

RT: 9.22 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

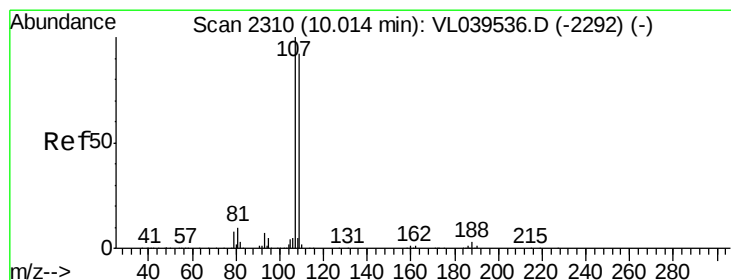
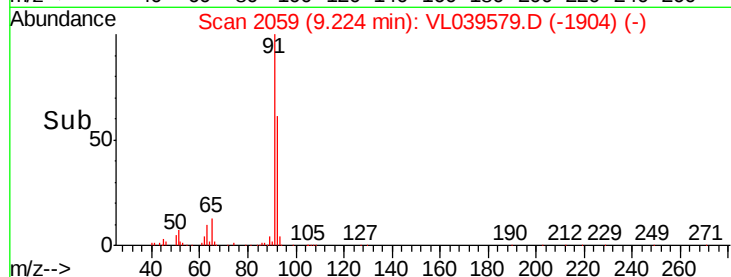
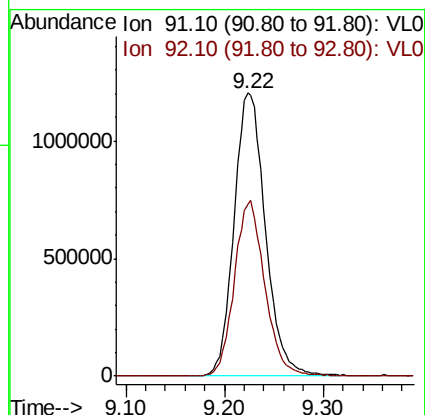
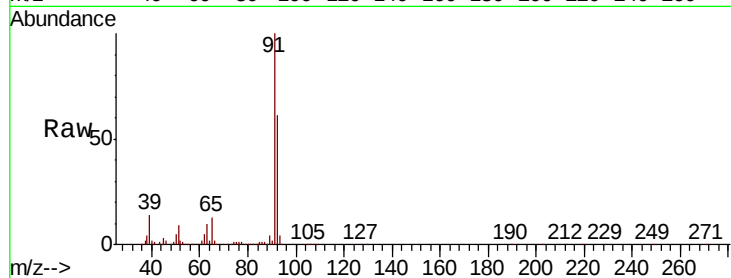
Acq: 25 Aug 2022 15:20 VSTDCCC010

Tot Ion: 91 Resp: 2663693

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.709 ppbv

RT: 10.01 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VL039579.D

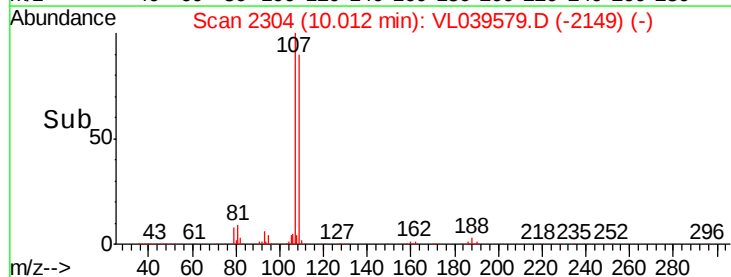
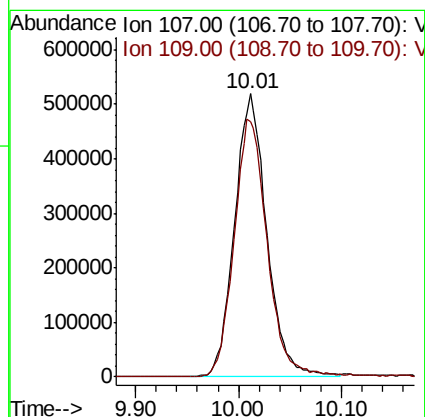
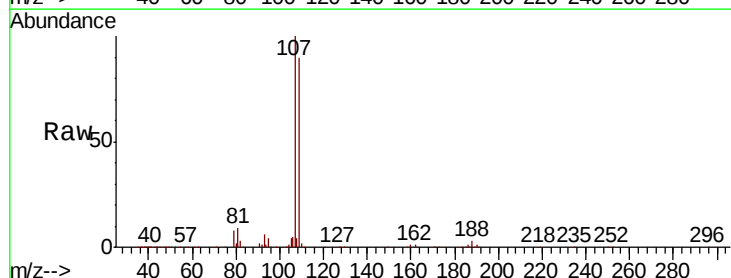
Acq: 25 Aug 2022 15:20

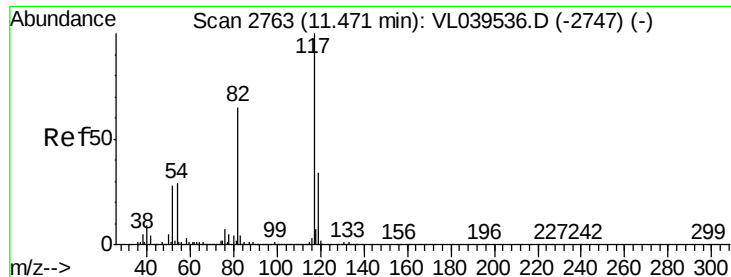
Tgt Ion:107 Resp: 1126975

Ion Ratio Lower Upper

107 100

109 90.0 74.8 112.2

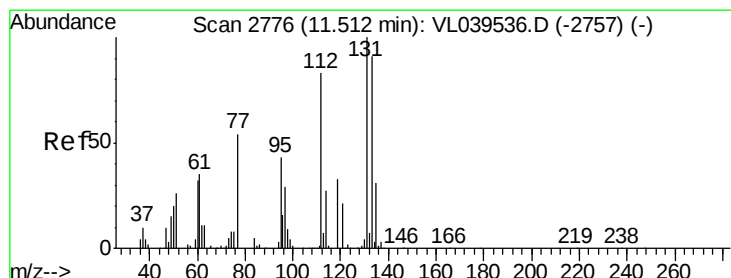
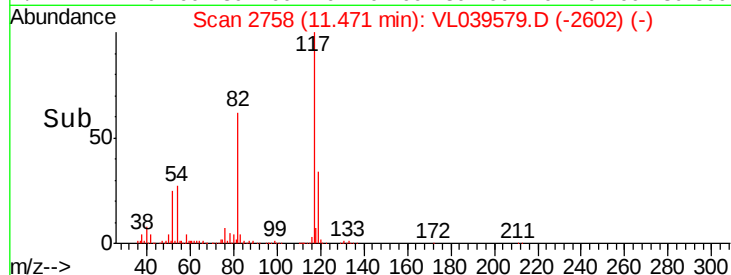
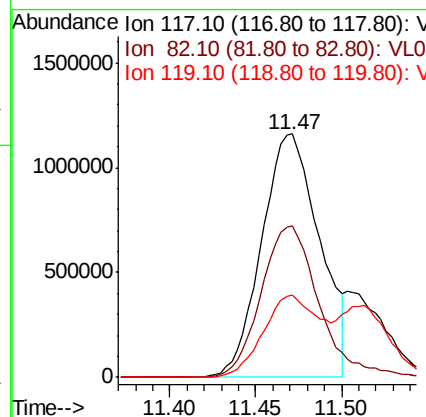
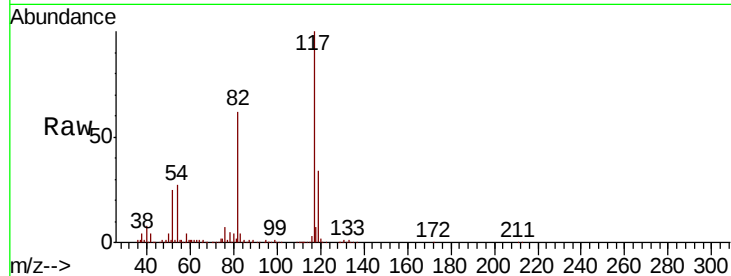




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 25 Aug 2022 15:20

Tot Ion:117 Resp: 2718609

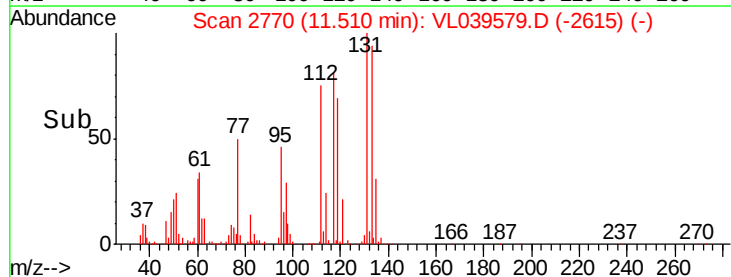
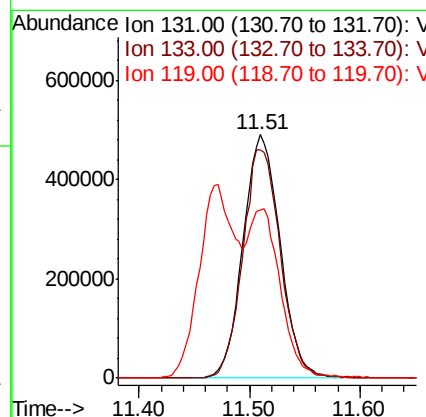
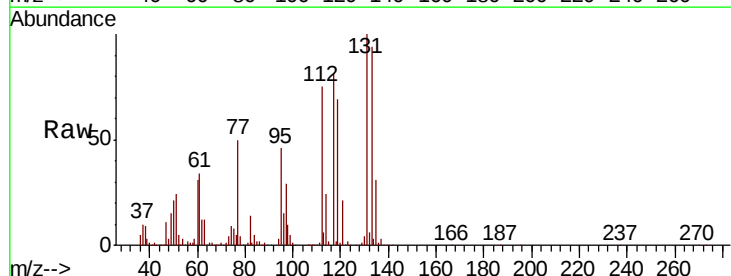
Ion	Ratio	Lower	Upper
117	100		
82	62.6	50.8	76.2
119	33.3	24.1	36.1

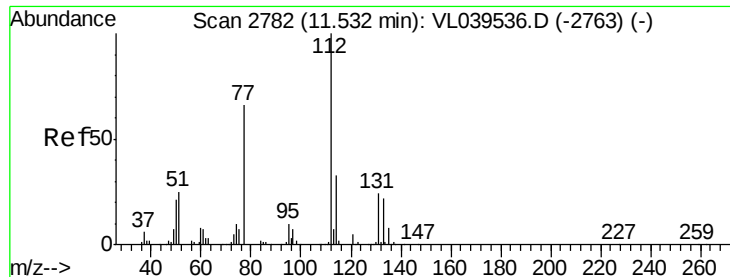


#56
1,1,1,2-Tetrachloroethane
Concen: 10.335 ppbv
RT: 11.51 min Scan# 2770
Delta R.T.: -0.00 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20

Tgt Ion:131 Resp: 1141664

Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.8	115.2
119	61.4	46.2	69.4





#57

Chlorobenzene

Concen: 9.708 ppbv

RT: 11.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Aug 2022 15:20

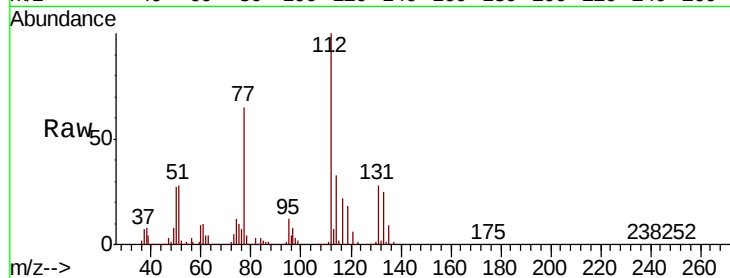
Tot Ion: 112 Resp: 1968938

Ion Ratio Lower Upper

112 100

77 63.6 51.0 76.4

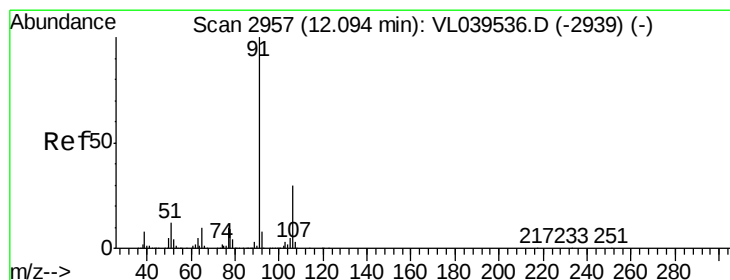
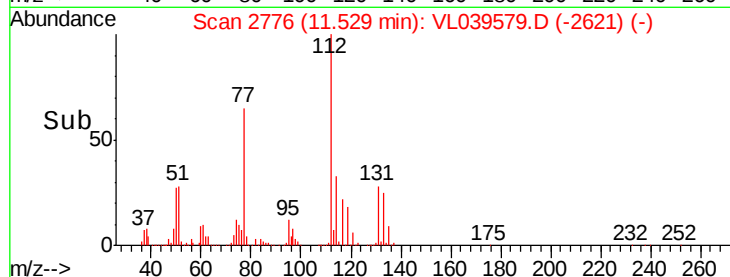
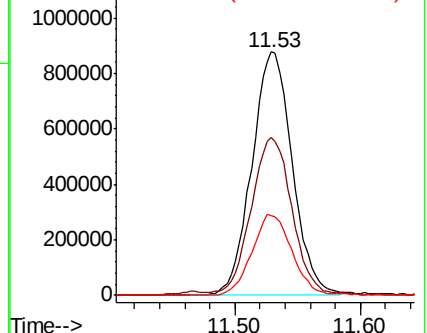
114 32.9 27.5 33.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.065 ppbv

RT: 12.09 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VL039579.D

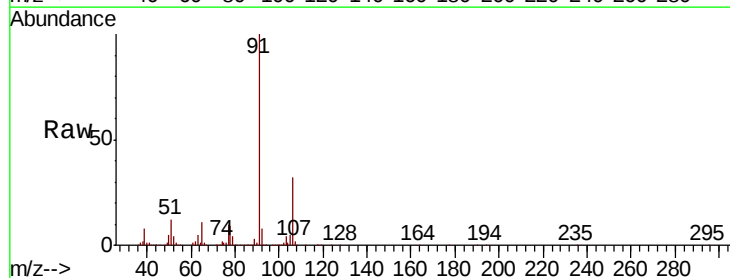
Acq: 25 Aug 2022 15:20

Tgt Ion: 91 Resp: 3456246

Ion Ratio Lower Upper

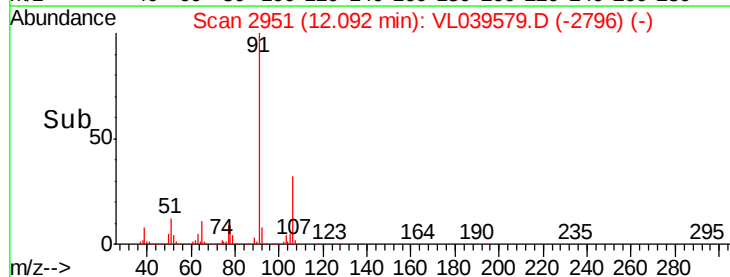
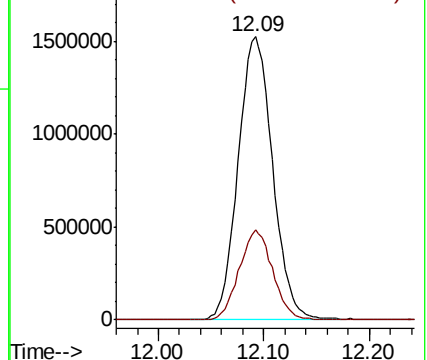
91 100

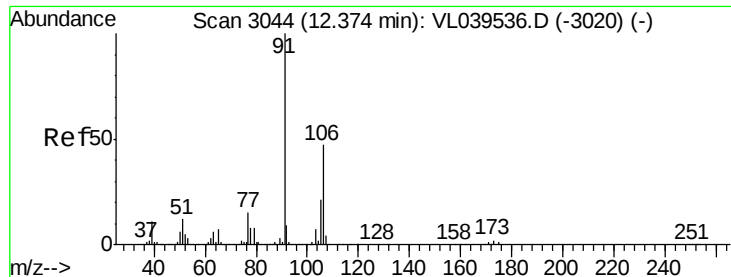
106 31.9 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

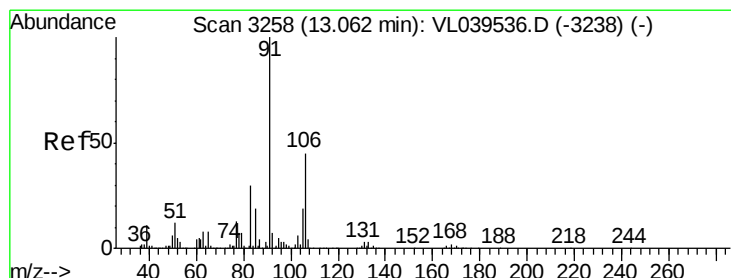
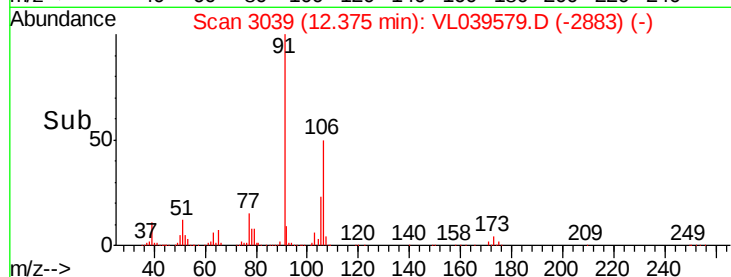
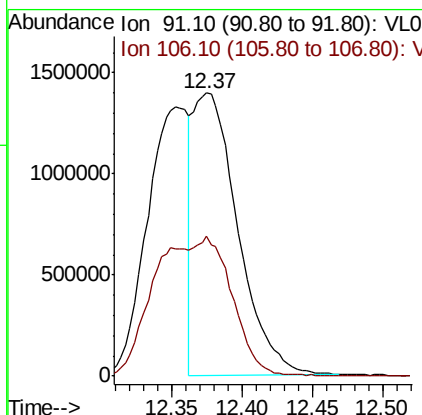
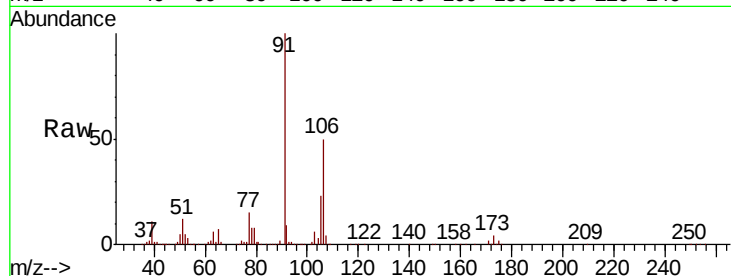
Ion 106.10 (105.80 to 106.80): V





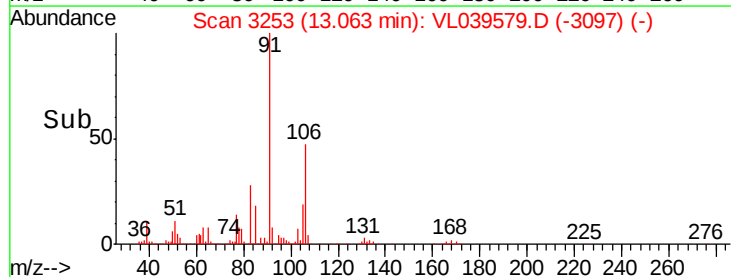
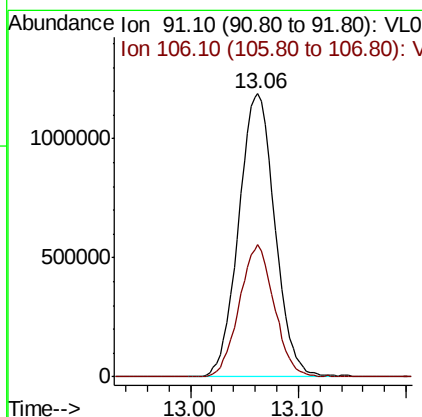
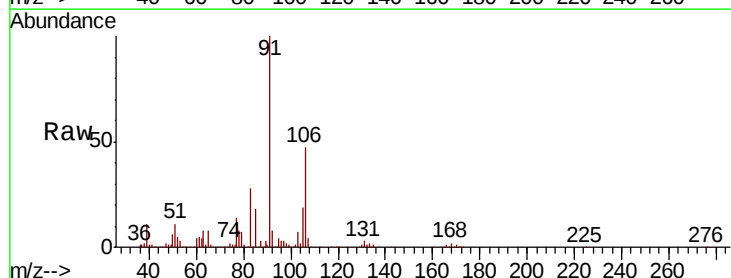
#59
m/p-Xylene
Concen: 10.881 ppbv
RT: 12.37
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 25 Aug 2022 15:20

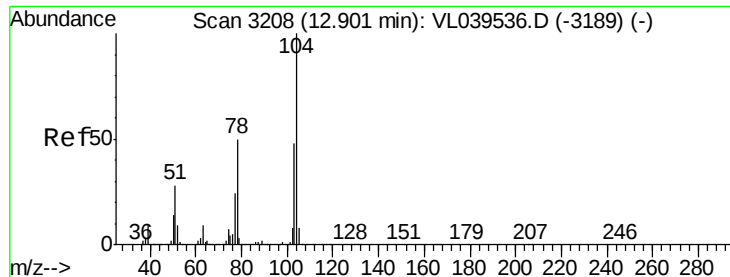
Tot Ion: 91 Resp: 3049098
Ion Ratio Lower Upper
91 100
106 86.7 35.4 53.2#



#60
o-Xylene
Concen: 10.306 ppbv
RT: 13.06 min Scan# 3253
Delta R.T.: 0.00 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20

Tgt Ion: 91 Resp: 2772175
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3





#61

Stvrene

Concen: 11.883 ppbv

RT: 12.90

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Aug 2022 15:20

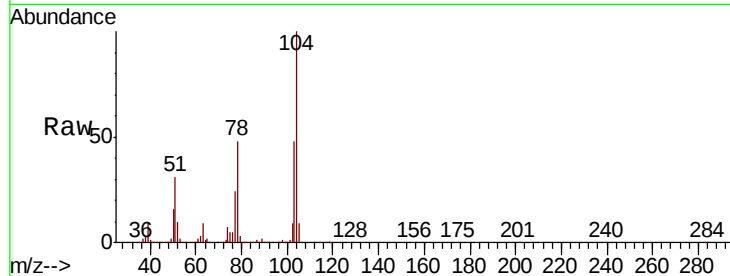
Tot Ion:104 Resp: 1702425

Ion Ratio Lower Upper

104 100

78 50.2 41.2 61.8

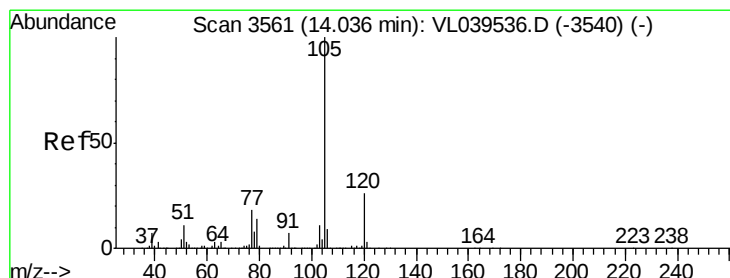
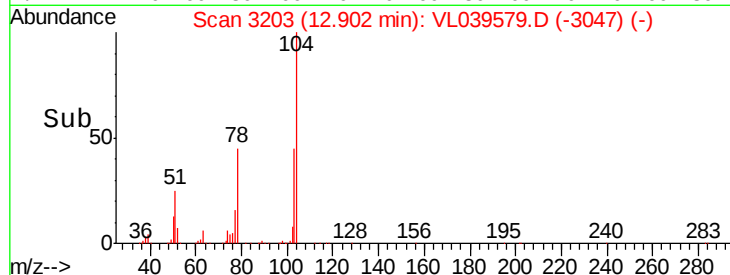
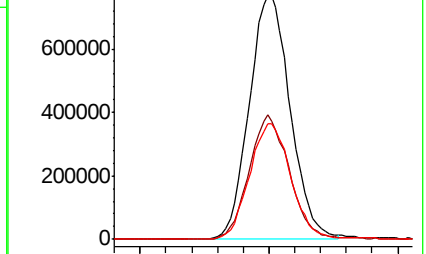
103 48.2 38.7 58.1



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: 9.926 ppbv

RT: 14.03 min Scan# 3555

Delta R.T. -0.00 min

Lab File: VL039579.D

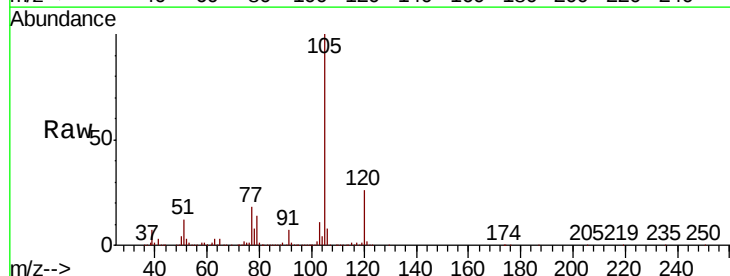
Acq: 25 Aug 2022 15:20

Tgt Ion:105 Resp: 4037590

Ion Ratio Lower Upper

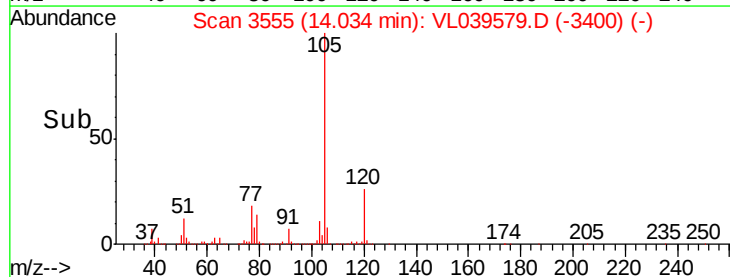
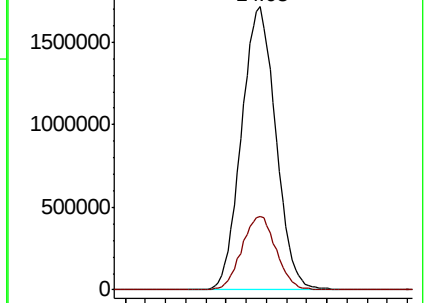
105 100

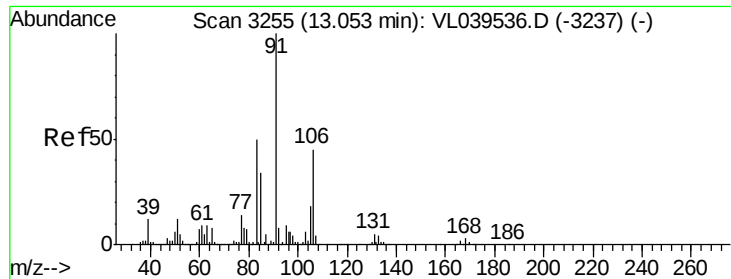
120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

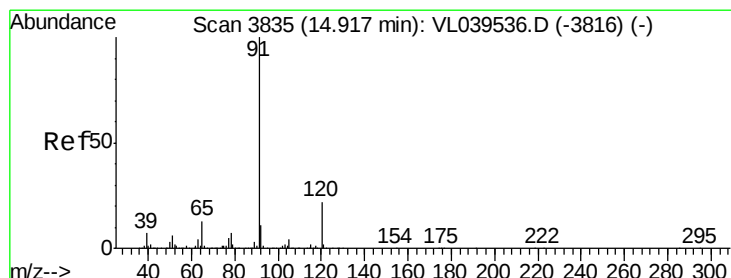
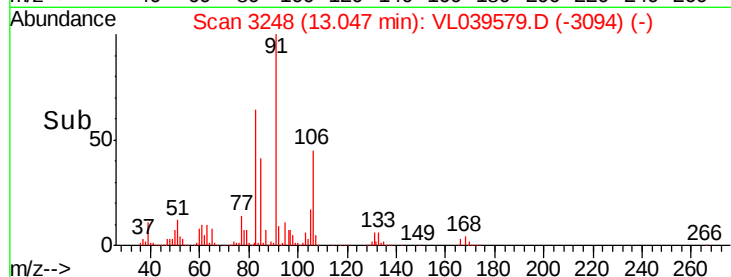
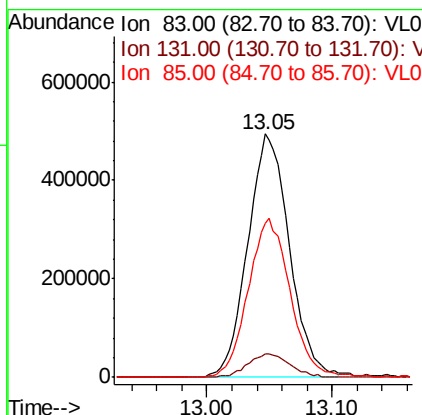
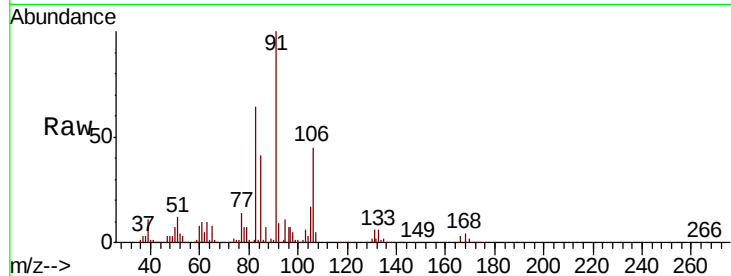
Ion 120.20 (119.90 to 120.90): V





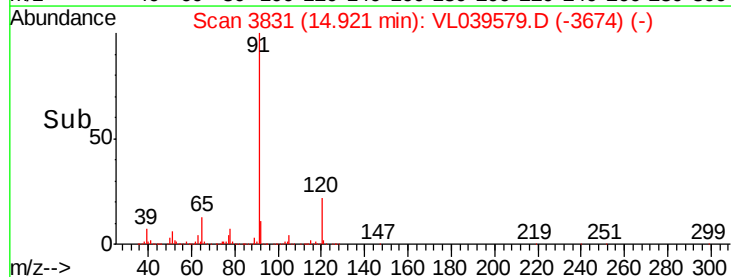
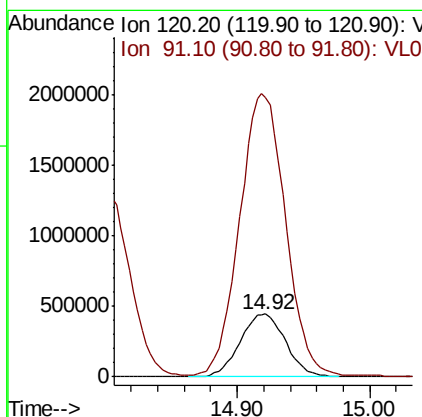
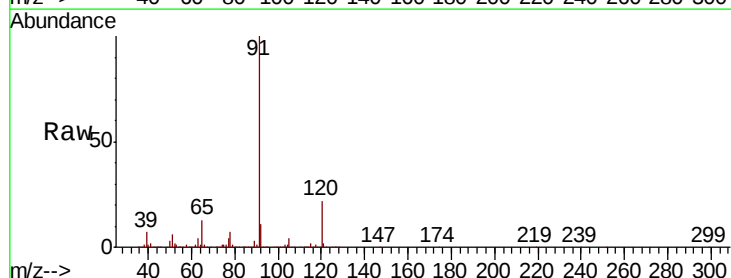
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.941 ppbv
 RT: 13.05
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

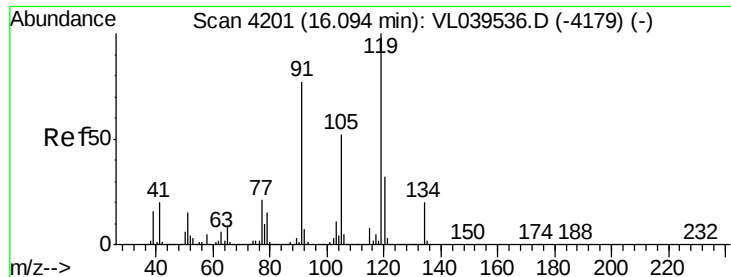
Tot Ion: 83 Resp: 1138934
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.3 15.8
 85 66.5 33.1 99.5



#64
 n-propylbenzene
 Concen: 10.034 ppbv
 RT: 14.92 min Scan# 3831
 Delta R.T. 0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

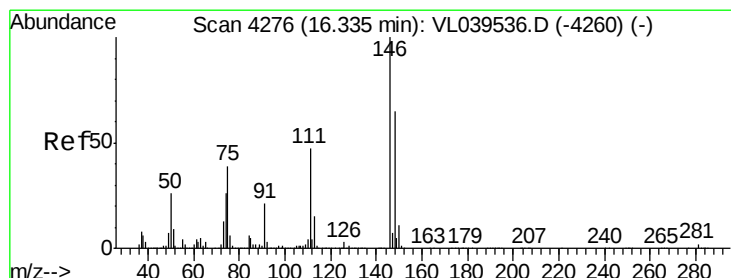
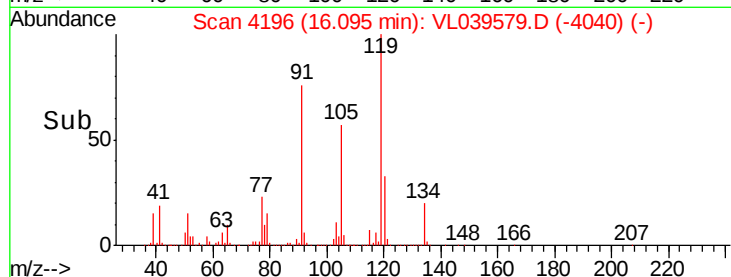
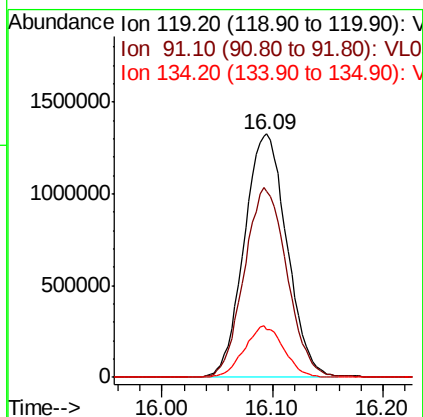
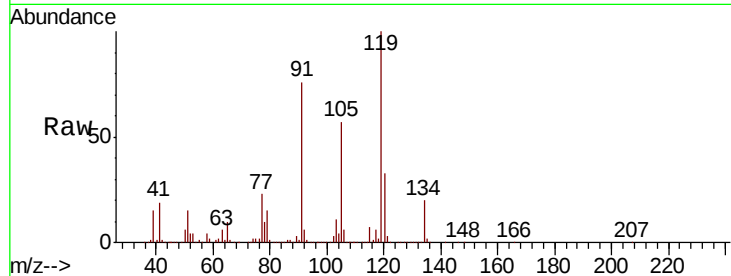
Tgt Ion:120 Resp: 1060714
 Ion Ratio Lower Upper
 120 100
 91 458.4 367.2 550.8





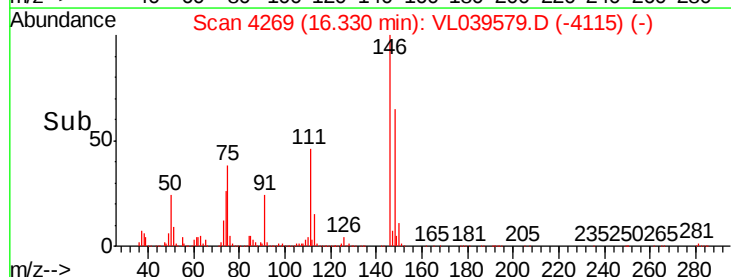
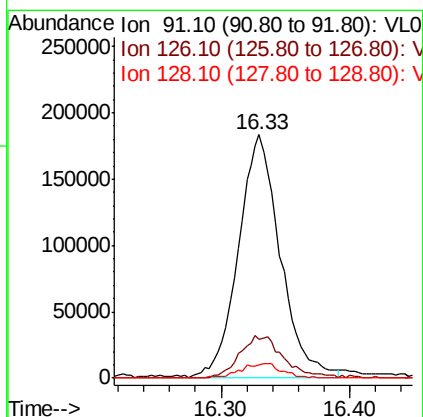
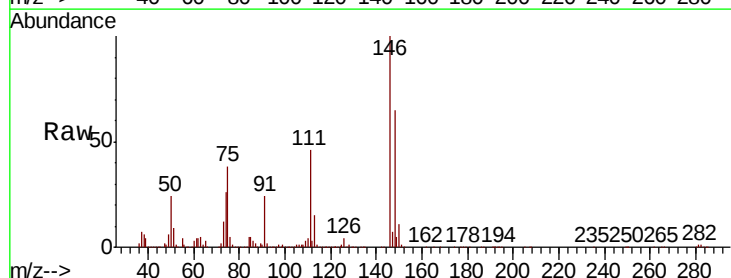
#65
 tert-Butylbenzene
 Concen: 9.852 ppbv
 RT: 16.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VSTDCCC010
 Acq: 25 Aug 2022 15:20

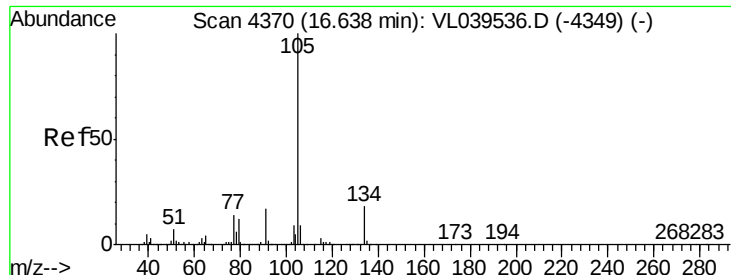
Tot Ion: 119 Resp: 3562200
 Ion Ratio Lower Upper
 119 100
 91 78.3 63.4 95.2
 134 19.5 15.9 23.9



#66
 Benzyl Chloride
 Concen: 14.120 ppbv
 RT: 16.33 min Scan# 4269
 Delta R.T.: -0.01 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

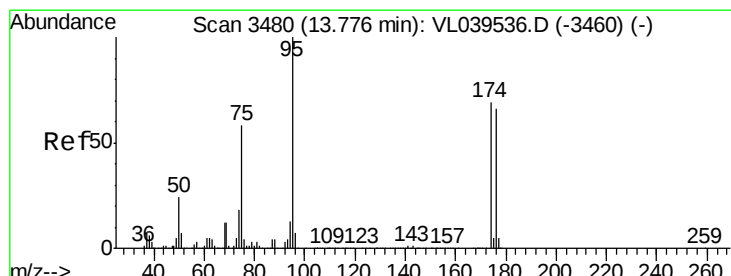
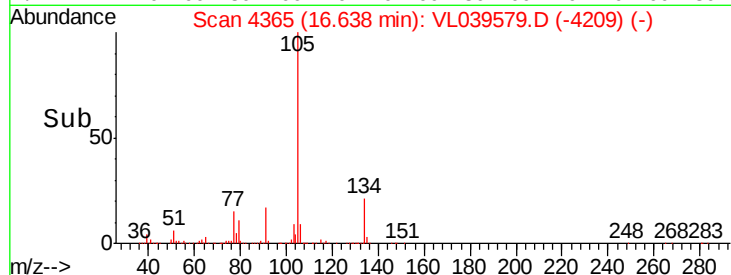
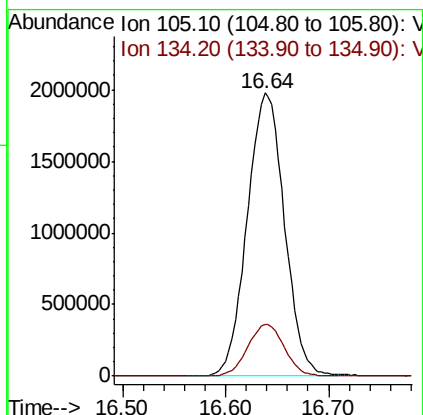
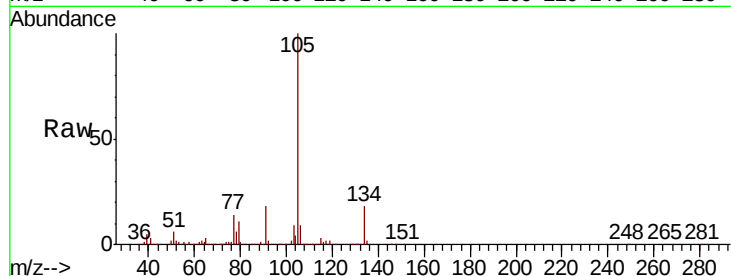
Tgt Ion: 91 Resp: 414712
 Ion Ratio Lower Upper
 91 100
 126 18.8 13.1 19.7
 128 6.1 4.4 6.6





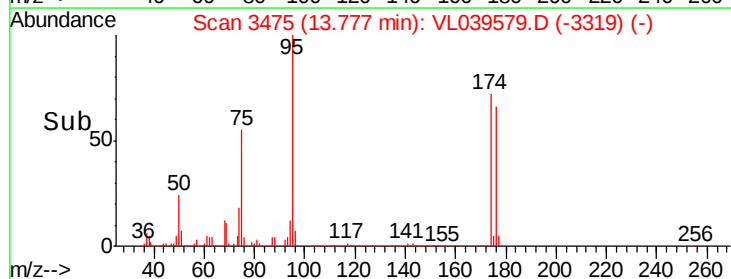
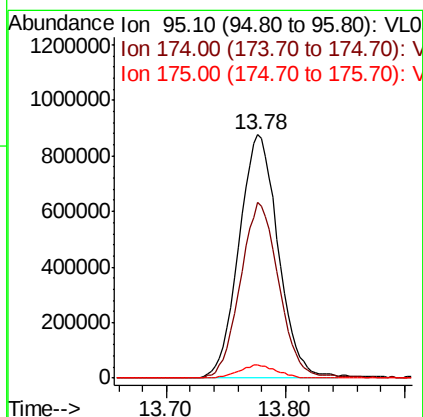
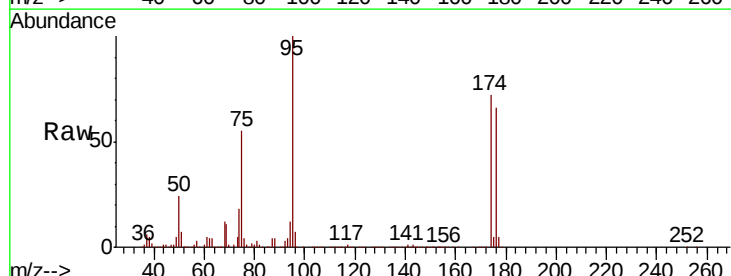
#67
 sec-Butylbenzene
 Concen: 9.665 ppbv
 RT: 16.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

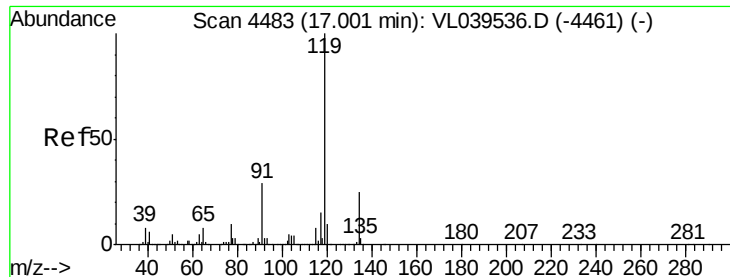
Tot Ion: 105 Resp: 4949697
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.741 ppbv
 RT: 13.78 min Scan# 3475
 Delta R.T. 0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion: 95 Resp: 1997889
 Ion Ratio Lower Upper
 95 100
 174 71.3 55.9 83.9
 175 5.4 4.2 6.4





#69

p-Isopropyltoluene

Concen: 9.797 ppbv

RT: 17.00 min

Delta R.T. 0.00 min

Lab File: VL039536.D

Acq: 25 Aug 2022 15:20

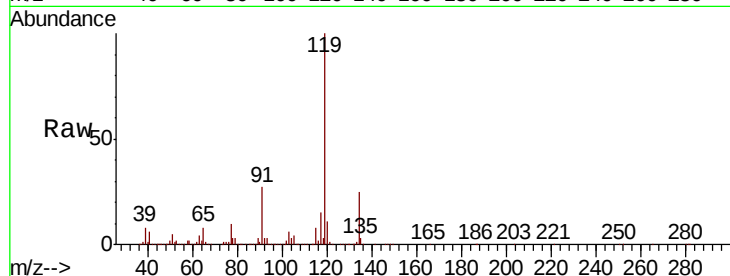
Tot Ion: 119 Resp: 4164827

Ion Ratio Lower Upper

119 100

134 25.1 20.3 30.5

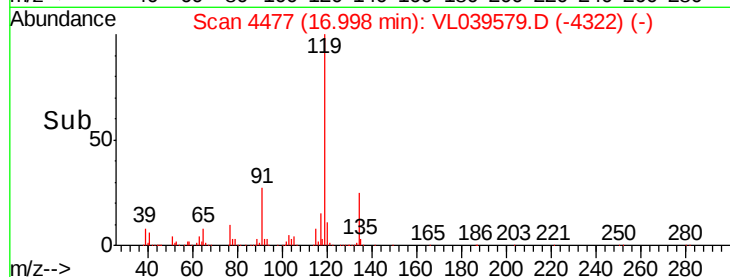
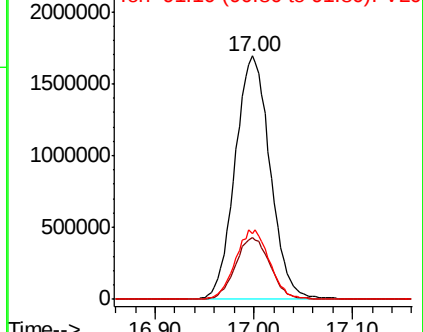
91 28.0 22.9 34.3



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.676 ppbv

RT: 17.89 min Scan# 4755

Delta R.T. 0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

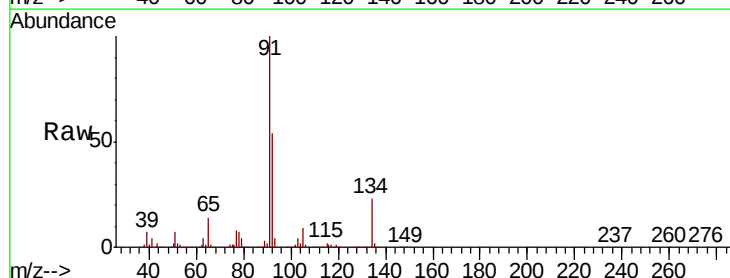
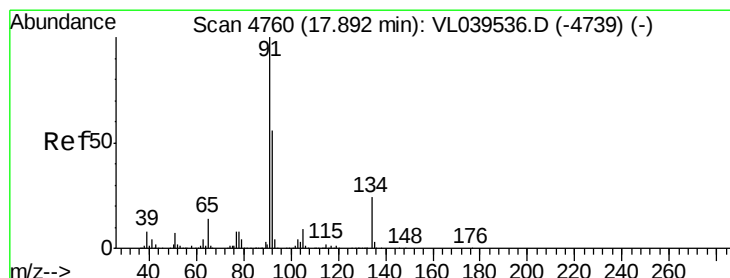
Tgt Ion: 91 Resp: 4092294

Ion Ratio Lower Upper

91 100

92 54.0 43.4 65.2

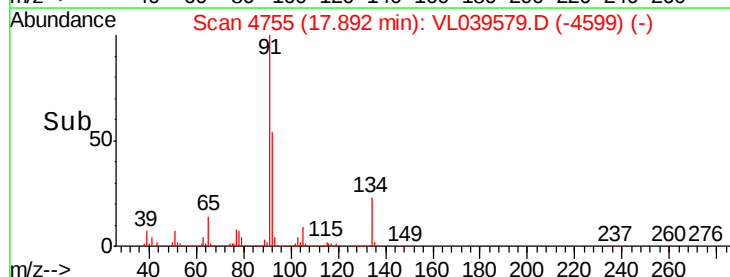
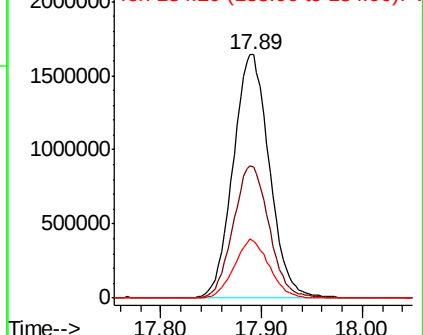
134 23.3 18.9 28.3

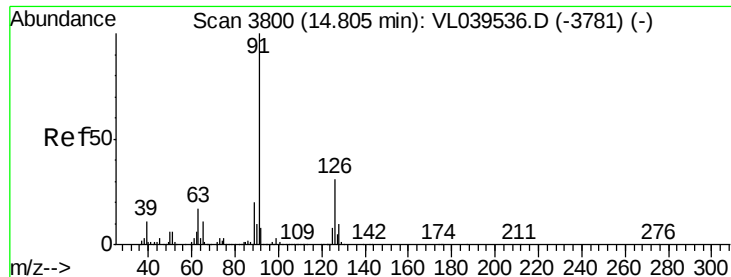


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

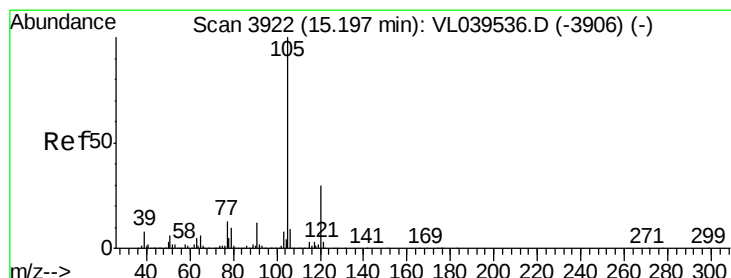
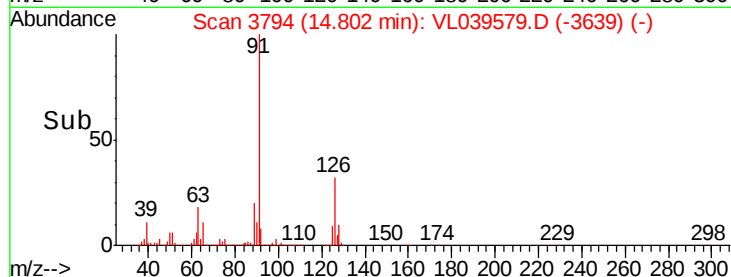
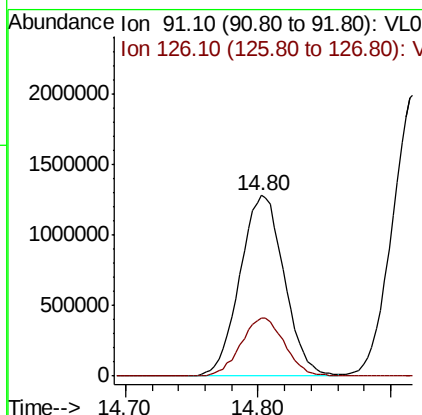
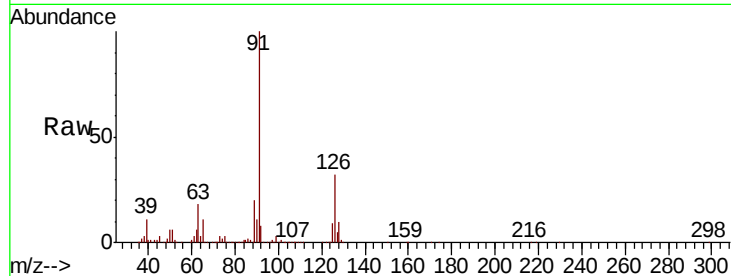
Ion 134.20 (133.90 to 134.90): V





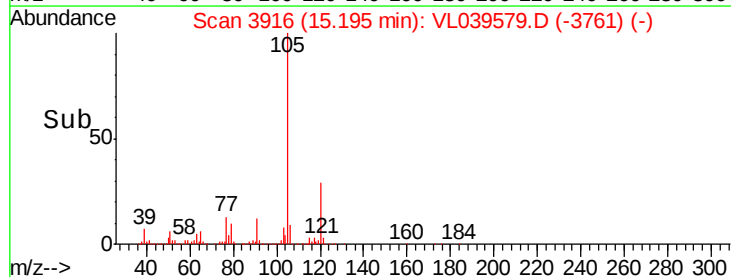
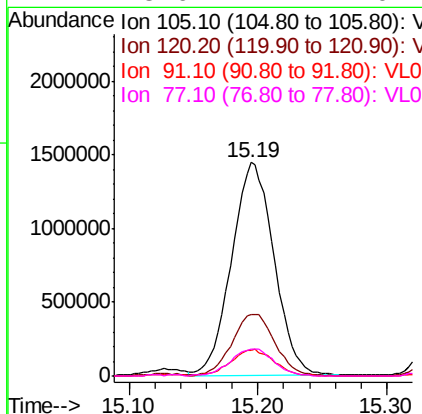
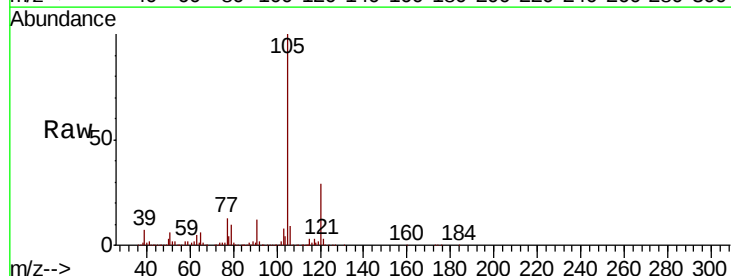
#71
 2-Chlorotoluene
 Concen: 10.091 ppbv
 RT: 14.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

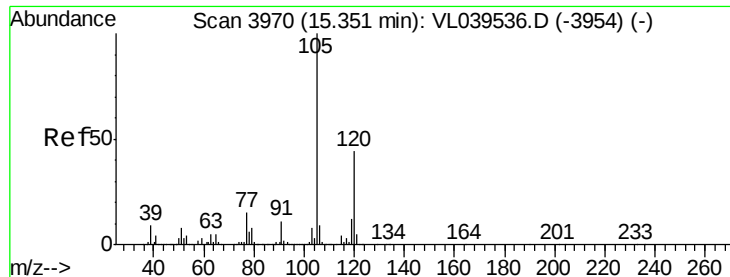
Tot Ion: 91 Resp: 2972788
 Ion Ratio Lower Upper
 91 100
 126 32.0 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 10.486 ppbv
 RT: 15.19 min Scan# 3916
 Delta R.T.: -0.00 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion:105 Resp: 3297973
 Ion Ratio Lower Upper
 105 100
 120 30.6 24.2 36.2
 91 12.3 10.2 15.4
 77 13.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.145 ppbv

RT: 15.36

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

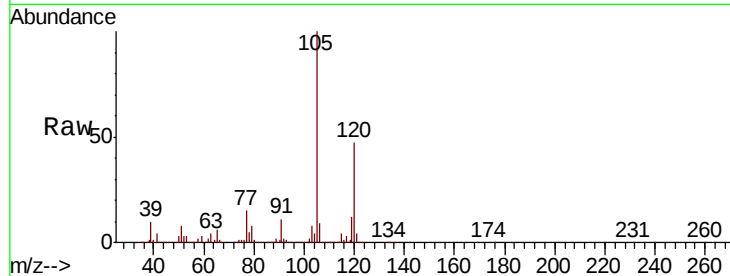
Acq: 25 Aug 2022 15:20

Tot Ion:105 Resp: 2915745

Ion Ratio Lower Upper

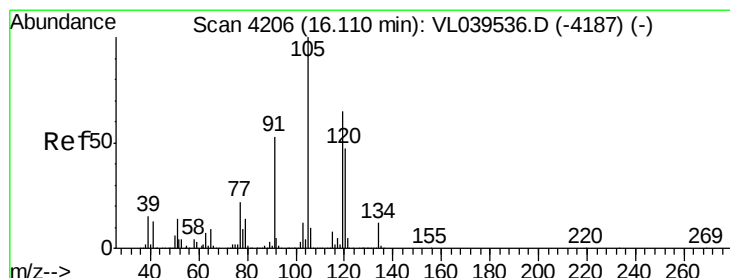
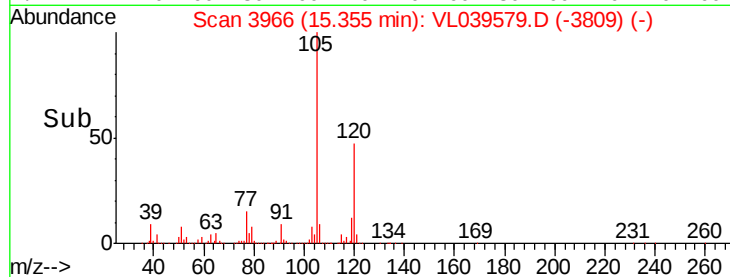
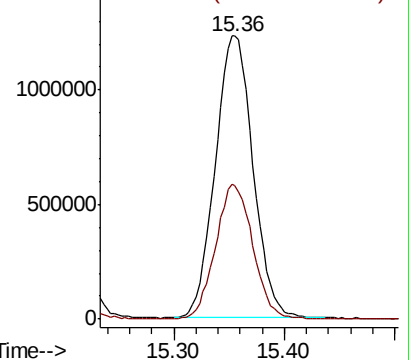
105 100

120 47.4 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.727 ppbv

RT: 16.11 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

Tgt Ion:105 Resp: 3115205

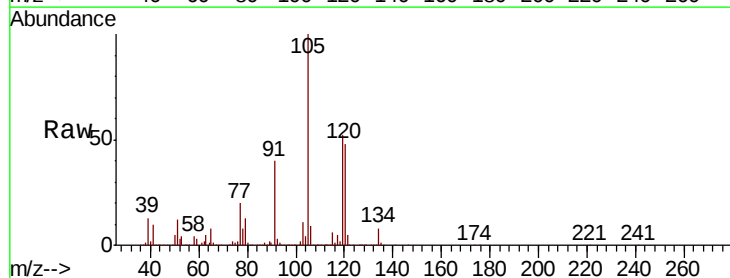
Ion Ratio Lower Upper

105 100

120 47.9 39.5 59.3

91 39.6 39.2 58.8

77 19.6 17.2 25.8

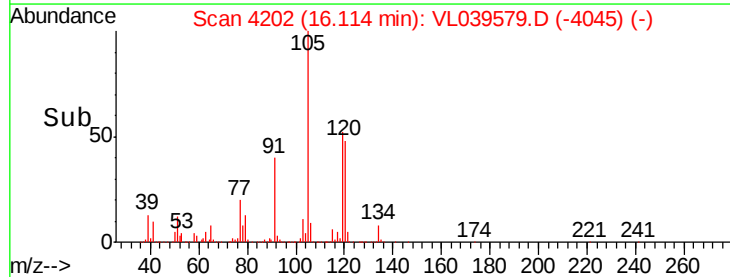
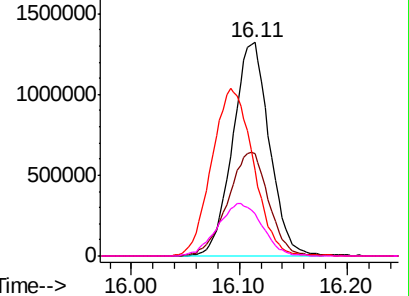


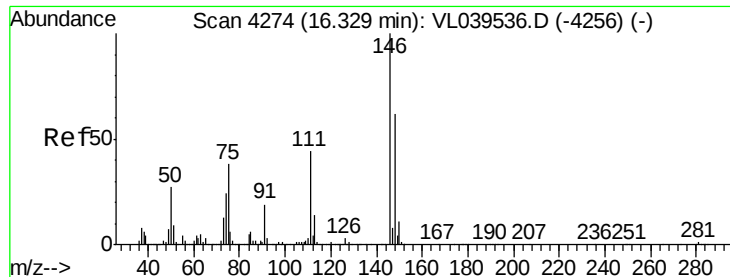
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.693 ppbv

RT: 16.33

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Aug 2022 15:20

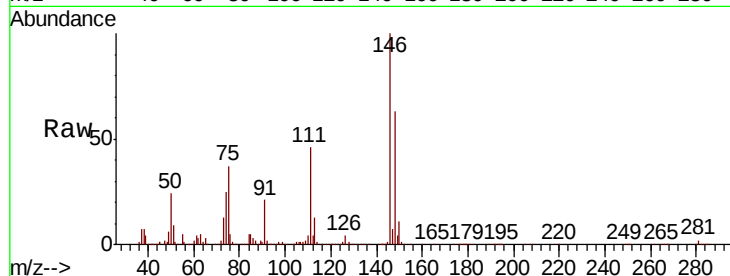
Tot Ion:146 Resp: 1887347

Ion Ratio Lower Upper

146 100

111 45.1 22.9 68.7

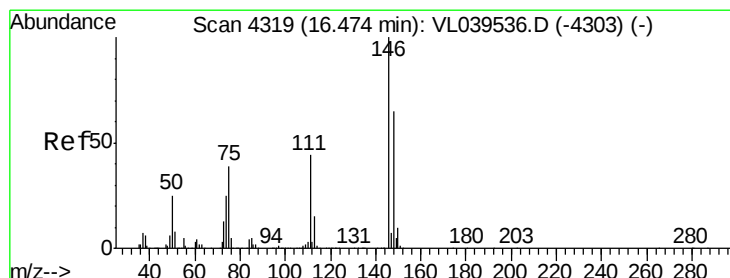
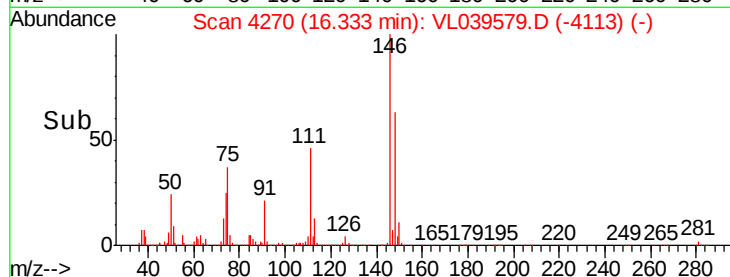
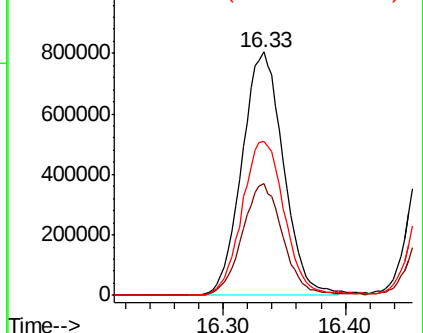
148 64.9 32.1 96.5



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: 9.555 ppbv

RT: 16.47 min Scan# 4314

Delta R.T. 0.00 min

Lab File: VL039579.D

Acq: 25 Aug 2022 15:20

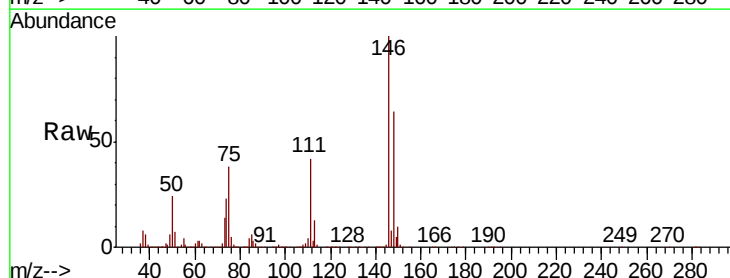
Tgt Ion:146 Resp: 1853585

Ion Ratio Lower Upper

146 100

111 43.8 22.9 68.8

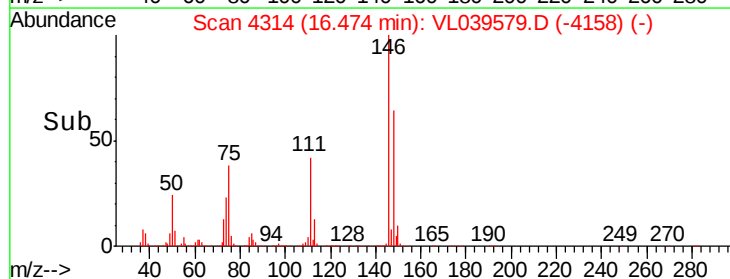
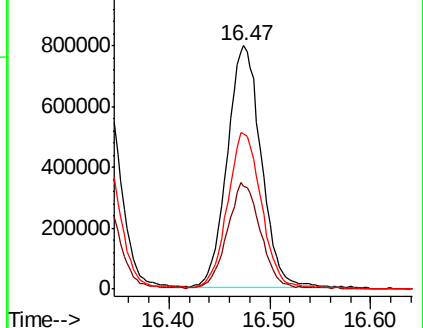
148 65.7 33.6 100.8

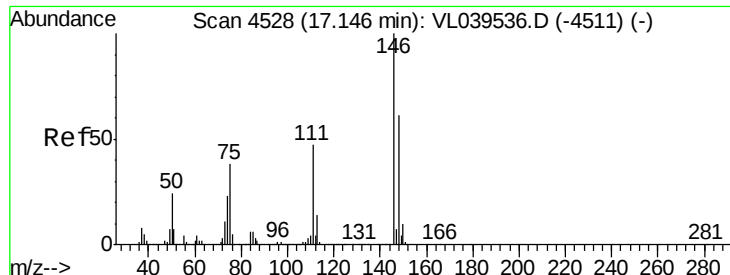


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

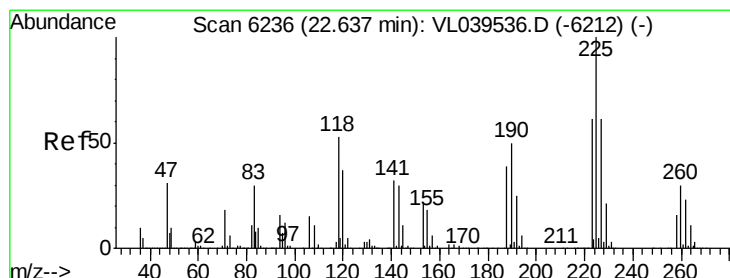
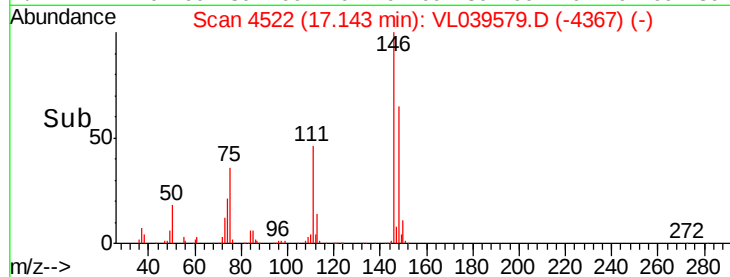
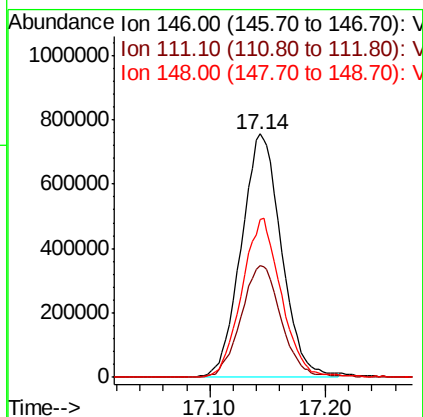
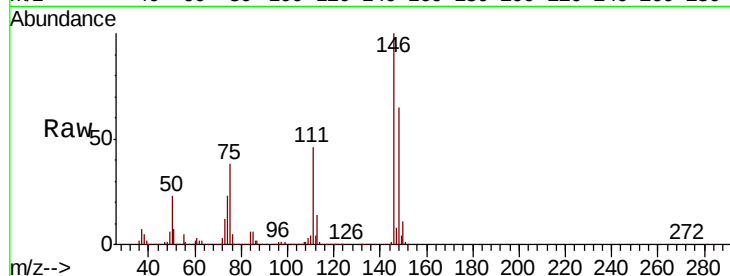
Ion 148.00 (147.70 to 148.70): V





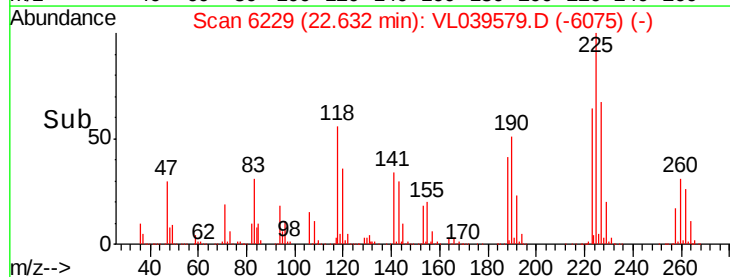
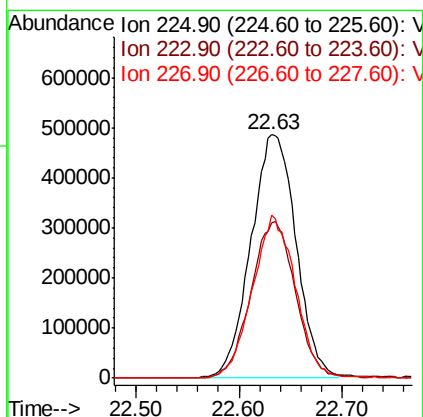
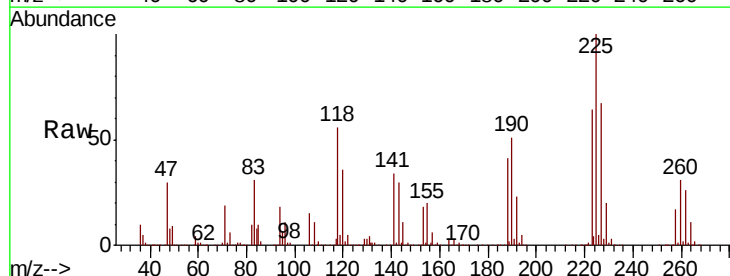
#77
 1,2-Dichlorobenzene
 Concen: 9.464 ppbv
 RT: 17.14 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 25 Aug 2022 15:20

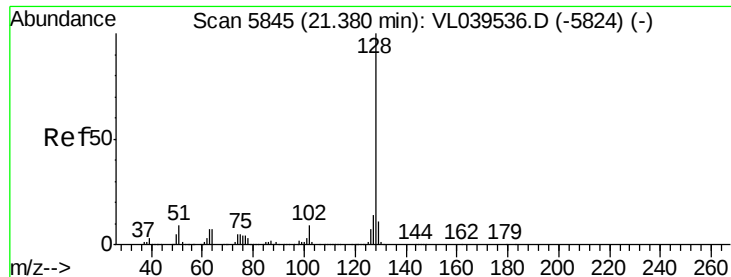
Tot Ion:146 Resp: 1804425
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.8 71.5
 148 64.6 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.732 ppbv
 RT: 22.63 min Scan# 6229
 Delta R.T. -0.01 min
 Lab File: VL039579.D
 Acq: 25 Aug 2022 15:20

Tgt Ion:225 Resp: 1477851
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.8 77.6
 227 63.8 51.4 77.2

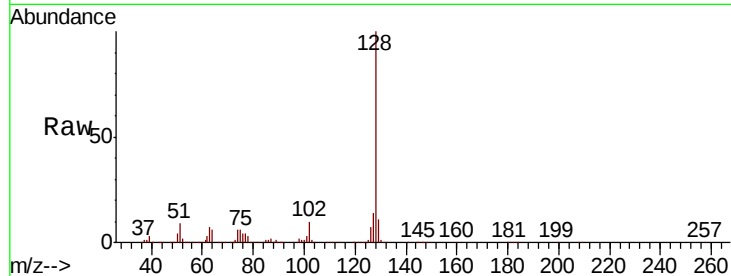




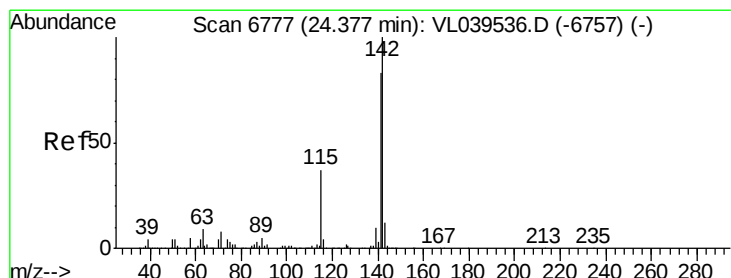
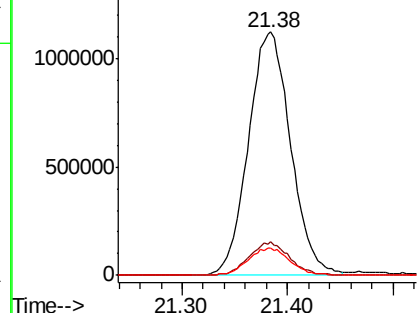
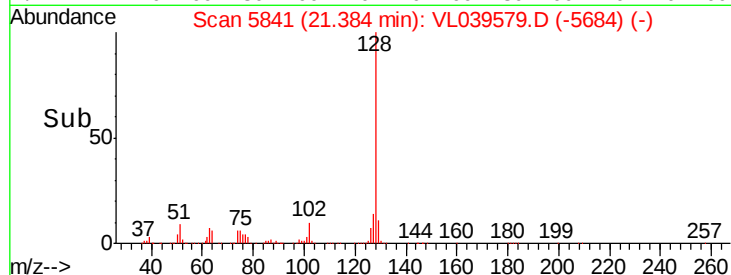
#79
Naphthalene
Concen: 13.701 ppbv
RT: 21.38 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 25 Aug 2022 15:20

Tot Ion:128 Resp: 3124895

Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	11.3	8.8	13.2



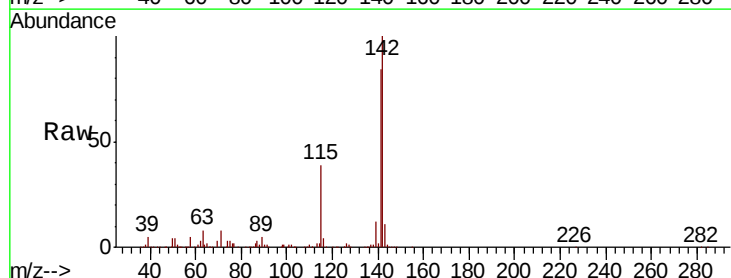
Abundance Ion 128.10 (127.80 to 128.80): V
1500000 Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



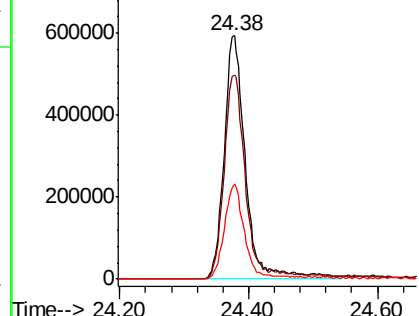
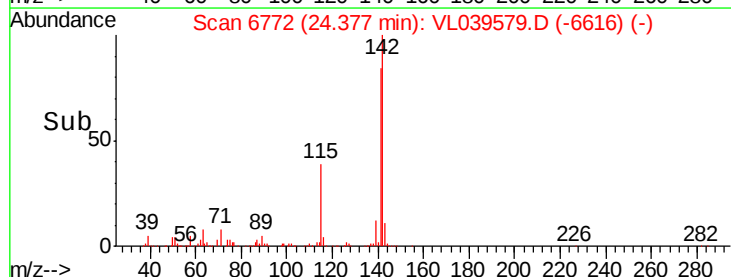
#80
Naphthalene, 2-methyl-
Concen: 14.900 ppbv
RT: 24.38 min Scan# 6772
Delta R.T.: 0.00 min
Lab File: VL039579.D
Acq: 25 Aug 2022 15:20

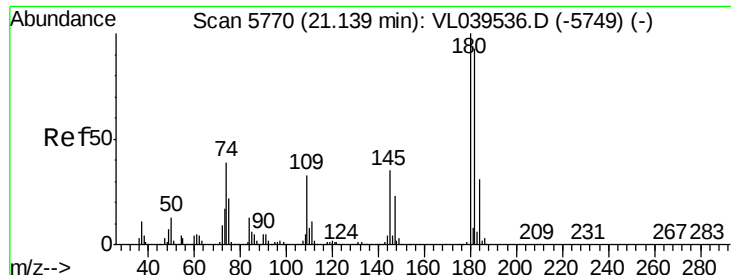
Tgt Ion:142 Resp: 1379218

Ion	Ratio	Lower	Upper
142	100		
141	85.6	68.9	103.3
115	37.2	30.0	45.0



Abundance Ion 142.00 (141.70 to 142.70): V
800000 Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 11.401 ppbv

RT: 21.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010

Acq: 25 Aug 2022 15:20

Tot Ion:180 Resp: 1736370

Ion Ratio Lower Upper

180 100

182 96.5 77.1 115.7

184 30.9 24.3 36.5

