

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038654.D
 Acq On : 21 Mar 2022 16:28
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Mar 21 16:57:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 15:04:50 2022

QLast Update : Mon Mar 21 15:04:50 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	955974	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2538708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2500523	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1880728	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1534961	10.63	ppbv	99
3) Chlorodifluoromethane	2.99	51	1385915	8.22	ppbv	100
4) Chloromethane	3.14	50	768715	12.30	ppbv	99
5) Vinyl Chloride	3.26	62	756153	12.06	ppbv	98
6) Bromomethane	3.47	94	420140	12.48	ppbv	97
7) Chloroethane	3.56	64	258415	12.72	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1692363	12.09	ppbv	99
9) Propene	3.01	41	676516	11.37	ppbv	99
10) Heptane	8.12	43	1777825	12.49	ppbv	100
11) Trichlorofluoromethane	3.95	101	1545903	12.21	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1146834	11.65	ppbv	97
13) Ethanol	3.61	45	49232	7.21	ppbv	92
14) Bromoethene	3.74	108	546104	13.02	ppbv	99
15) Acetone	3.85	43	1109169	16.45	ppbv	100
16) 1,3-Butadiene	3.33	39	677921	12.51	ppbv	100
17) tert-Butyl alcohol	4.29	59	896194	12.23	ppbv	100
18) 1,1-Dichloroethene	4.29	96	527163	11.97	ppbv	97
19) Isopropyl Alcohol	3.96	45	544380	12.09	ppbv	100
20) Methylene Chloride	4.35	84	448322	11.05	ppbv	99
21) Allyl Chloride	4.41	41	845351	13.01	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	577104	12.50	ppbv	99
23) Vinyl Acetate	5.07	43	1186118	12.27	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1057498	12.03	ppbv	100
25) Ethyl Acetate	5.67	43	2970184	13.08	ppbv	99
26) Hexane	5.69	57	1316881	12.35	ppbv	99
27) Carbon Disulfide	4.55	76	1396526	13.15	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	949753	10.94	ppbv	100
29) Chloroform	5.75	83	2076545	12.51	ppbv	98
30) Cyclohexane	7.13	84	1149759	12.47	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1294416	12.69	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1995063	12.40	ppbv	100
34) 2-Butanone	5.24	43	1800214	27.36	ppbv	98
35) Carbon Tetrachloride	7.01	117	2100261	12.13	ppbv	100
36) Benzene	6.89	78	2824237	12.33	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1429193	13.05	ppbv	100
38) Trichloroethene	7.83	130	1166097	12.74	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1094041	12.42	ppbv	97
40) 1,4-Dioxane	7.82	88	341337	15.48	ppbv #	1
41) Tetrahydrofuran	6.04	42	1142621	21.22	ppbv	99
42) Bromodichloromethane	7.79	83	2193402	12.64	ppbv	98
43) Methyl Methacrylate	8.01	69	1159467	14.74	ppbv	99

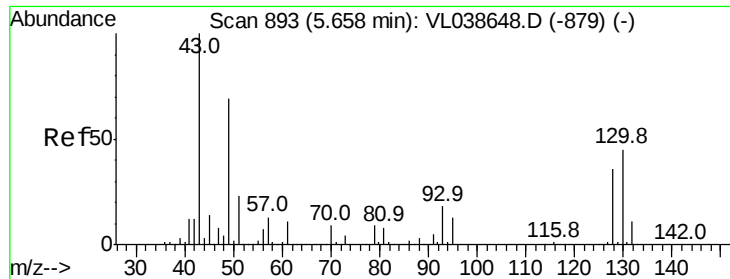
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038654.D
 Acq On : 21 Mar 2022 16:28
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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 VSTDIC015

Quant Time: Mar 21 16:57:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 15:04:50 2022
 QLast Update : Mon Mar 21 15:04:50 2022
 Response via : Initial Calibration

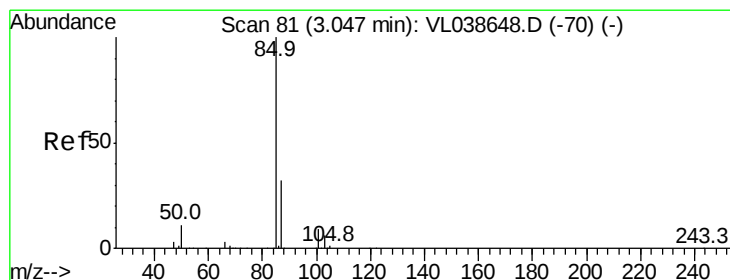
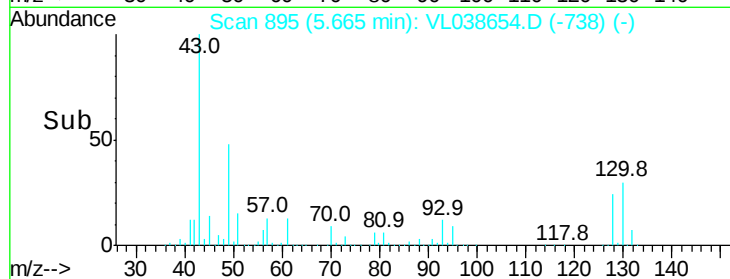
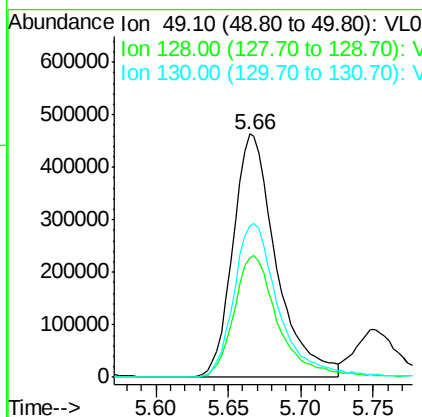
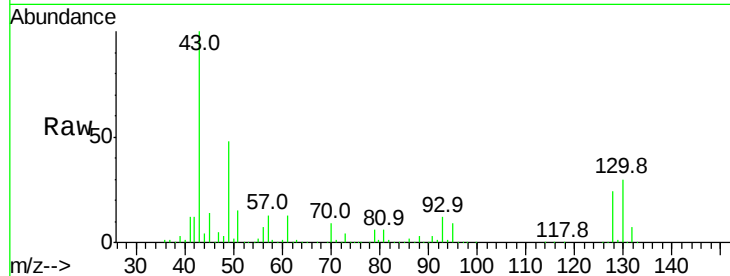
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4560164	11.77	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1336785	23.59	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1655133	21.36	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1175433	13.09	ppbv	98
48) Dibromochloromethane	10.30	129	2020126	14.17	ppbv	100
49) Bromoform	13.04	173	1714380	15.70	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2864999	21.24	ppbv	100
51) 2-Hexanone	10.13	43	2269787	39.82	ppbv #	100
52) Tetrachloroethene	11.22	164	1025772	12.22	ppbv	97
53) Toluene	9.80	91	3249714	13.29	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1735224	13.52	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1363870	13.39	ppbv #	69
57) Chlorobenzene	12.15	112	2369148	12.41	ppbv	100
58) Ethyl Benzene	12.71	91	4196158	12.96	ppbv	99
59) m/p-Xylene	13.00	91	3997541	14.42	ppbv #	46
60) o-Xylene	13.69	91	3355432	12.82	ppbv	99
61) Styrene	13.52	104	2151610	16.68	ppbv	100
62) Isopropylbenzene	14.66	105	4949854	13.71	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2280677	10.31	ppbv	99
64) n-propylbenzene	15.56	120	1355564	14.73	ppbv	98
65) tert-Butylbenzene	16.74	119	4338083	13.43	ppbv	99
66) Benzyl Chloride	16.98	91	1165836	60.92	ppbv	100
67) sec-Butylbenzene	17.29	105	6227259	13.57	ppbv	99
69) p-Isopropyltoluene	17.65	119	5232353	13.76	ppbv	99
70) n-Butylbenzene	18.55	91	5476609	13.52	ppbv	99
71) 2-Chlorotoluene	15.45	91	3760355	14.02	ppbv	99
72) 4-Ethyltoluene	15.83	105	4235114	14.09	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3710859	13.30	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	3804607	12.76	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2466494	13.11	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2497572	13.40	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2446165	12.85	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1886146	10.16	ppbv	100
79) Naphthalene	22.19	128	3842797	14.33	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	1026520	21.68	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2182528	12.74	ppbv	99

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



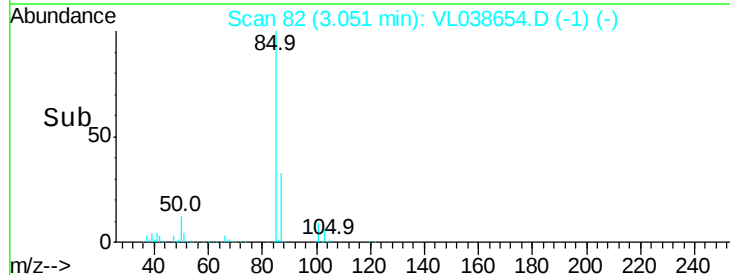
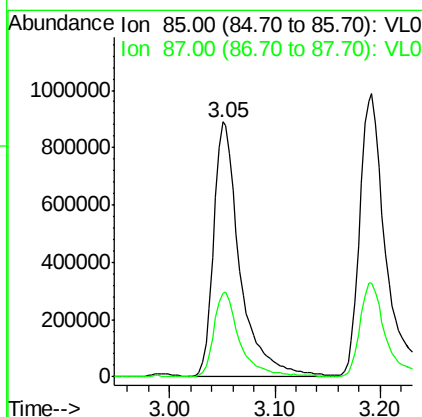
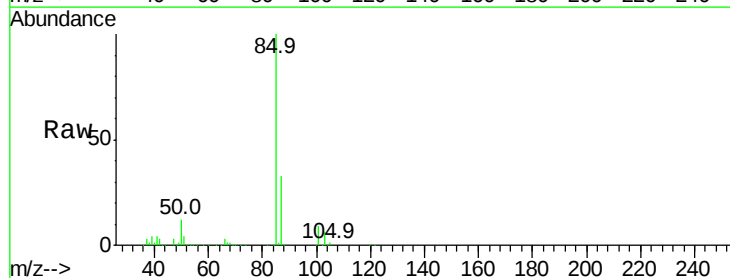
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

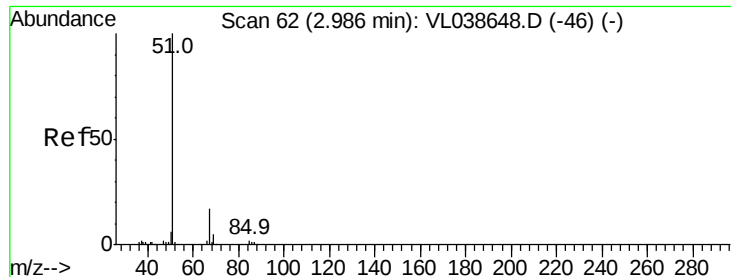
Tgt Ion: 49 Resp: 955974
 Ion Ratio Lower Upper
 49 100
 128 52.2 26.2 78.6
 130 67.0 33.7 101.1



#2
 Dichlorodifluoromethane
 Concen: 10.63 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T.: 0.00 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion: 85 Resp: 1534961
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0





#3

Chlorodifluoromethane

Concen: 8.22 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

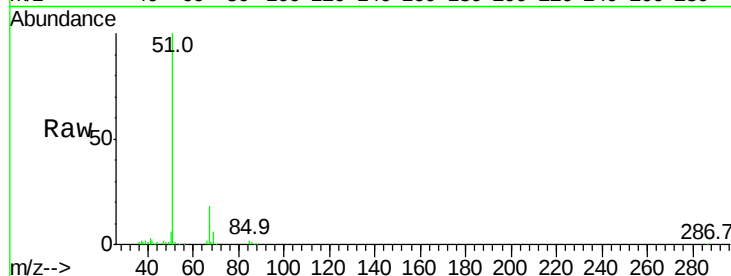
Acq: 21 Mar 2022 16:28

Tgt Ion: 51 Resp: 1385915

Ion Ratio Lower Upper

51 100

67 17.6 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

600000

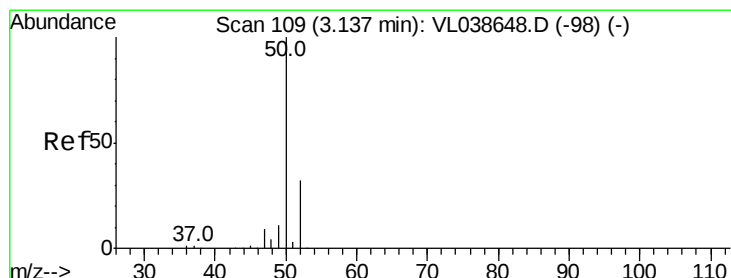
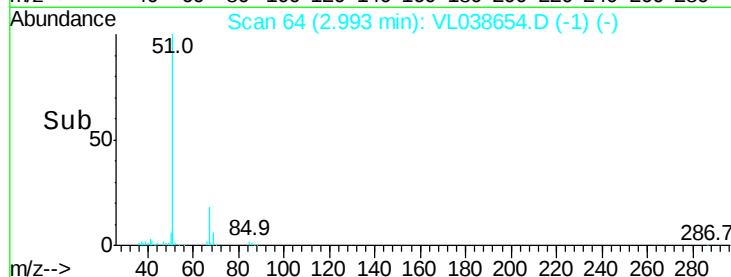
400000

200000

0

2.90 3.00 3.10

Time-->



#4

Chloromethane

Concen: 12.30 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038654.D

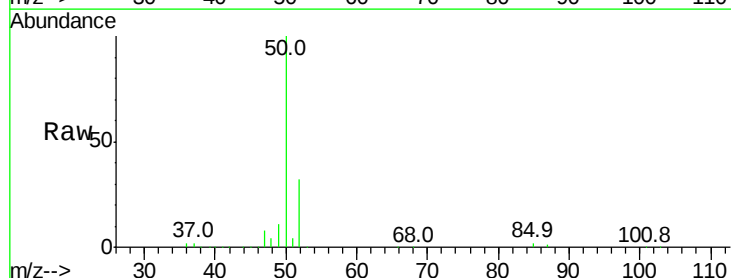
Acq: 21 Mar 2022 16:28

Tgt Ion: 50 Resp: 768715

Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

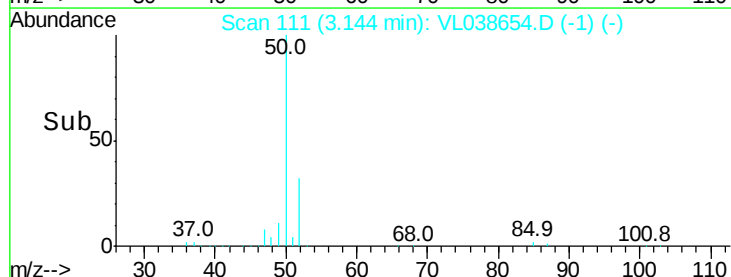
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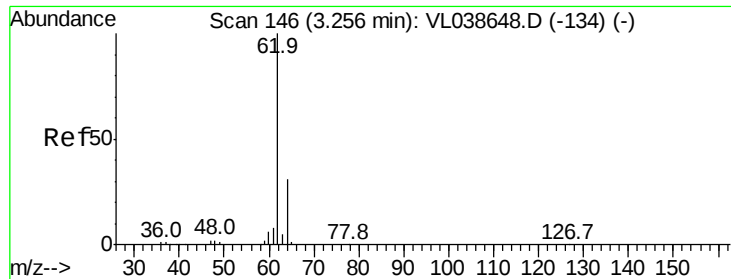
100000

0

3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 12.06 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

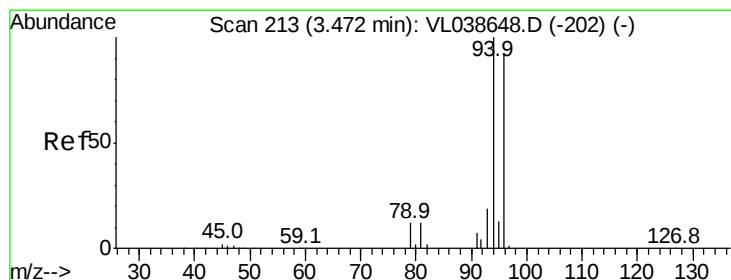
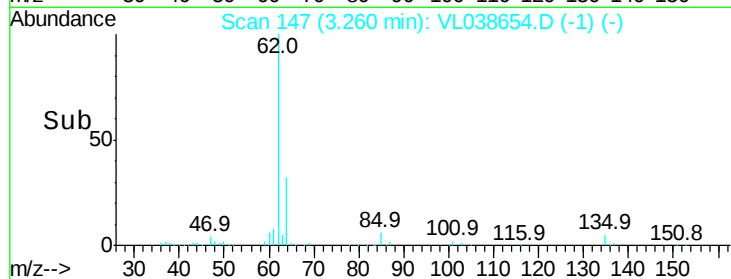
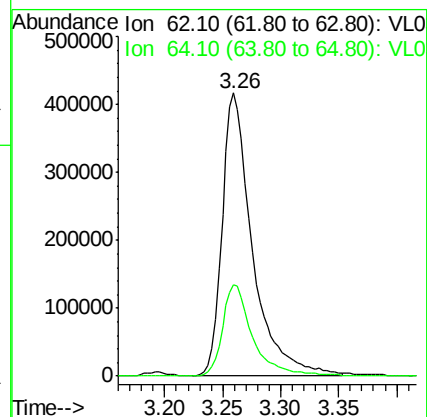
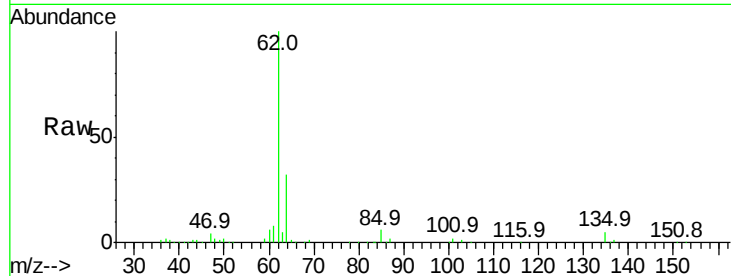
Acq: 21 Mar 2022 16:28 VSTDIC015

Tgt Ion: 62 Resp: 756153

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4



#6

Bromomethane

Concen: 12.48 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL038654.D

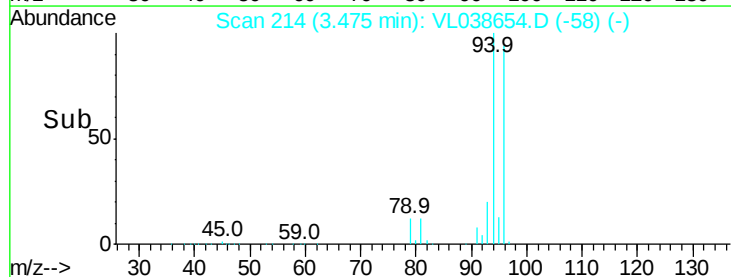
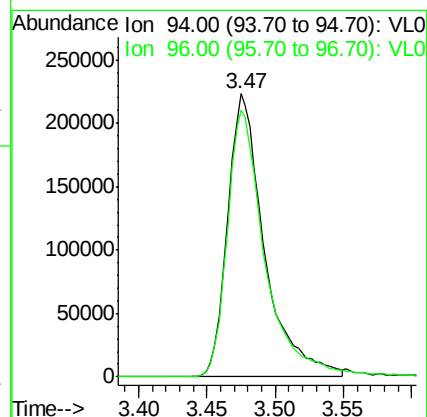
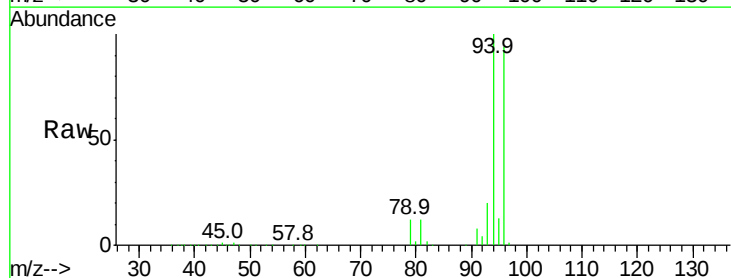
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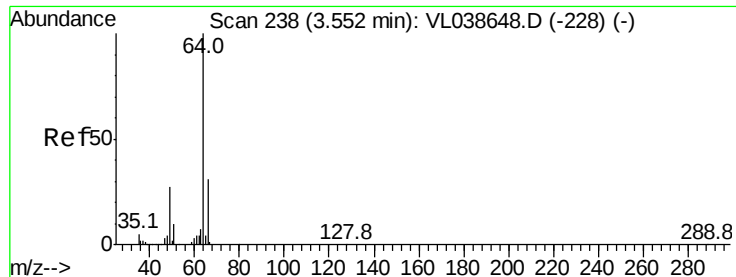
Tgt Ion: 94 Resp: 420140

Ion Ratio Lower Upper

94 100

96 94.3 73.3 109.9





#7

Chloroethane

Concen: 12.72 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

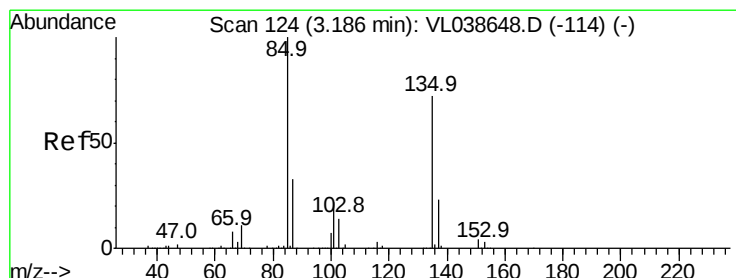
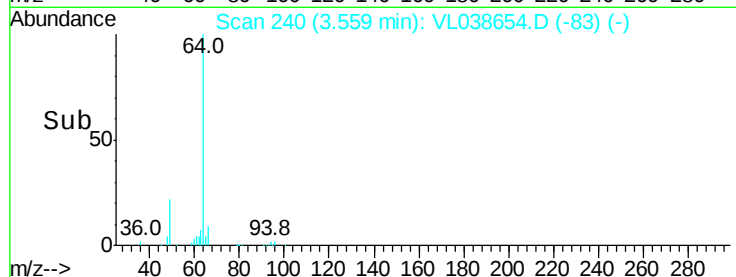
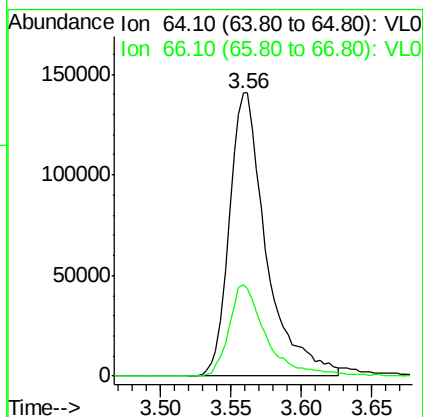
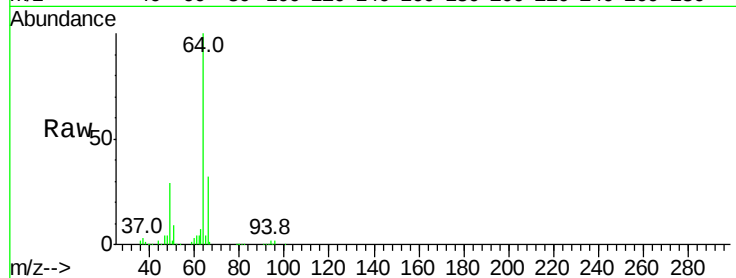
Acq: 21 Mar 2022 16:28 VSTDIC015

Tgt Ion: 64 Resp: 258415

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 12.09 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL038654.D

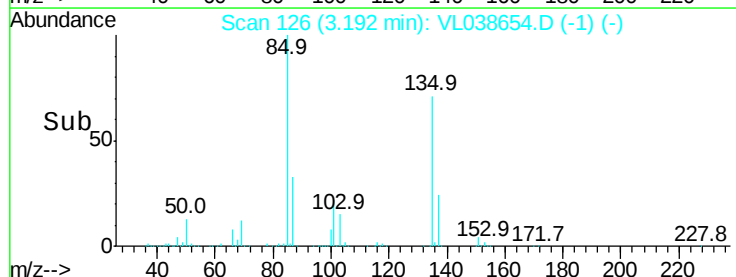
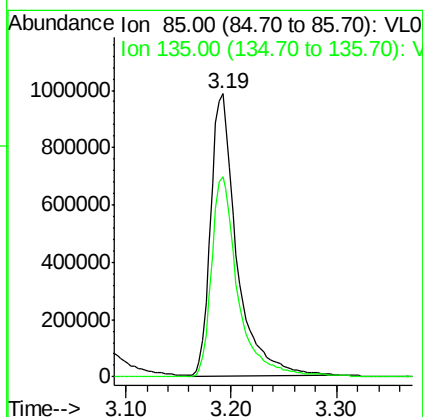
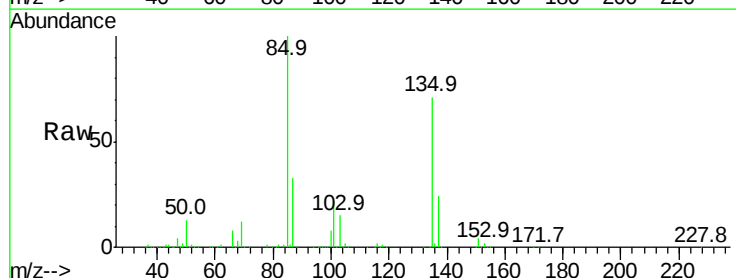
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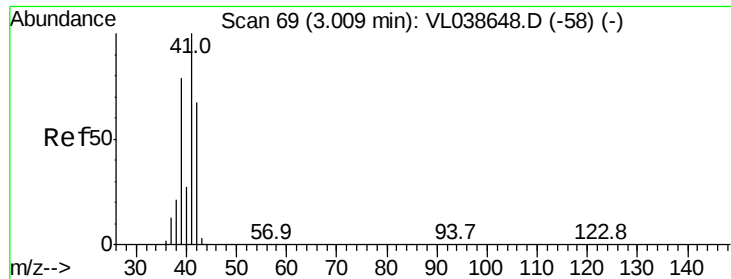
Tgt Ion: 85 Resp: 1692363

Ion Ratio Lower Upper

85 100

135 73.0 57.8 86.6





#9

Propene

Concen: 11.37 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

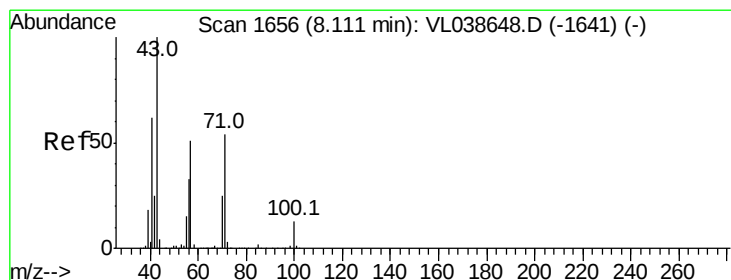
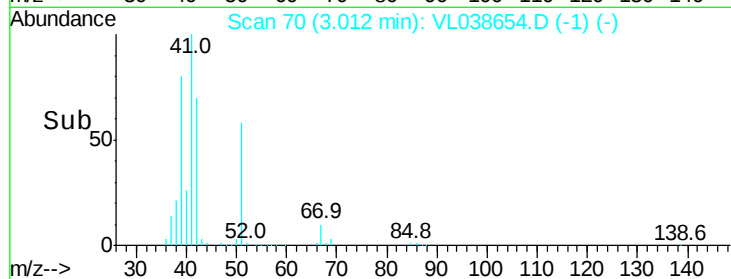
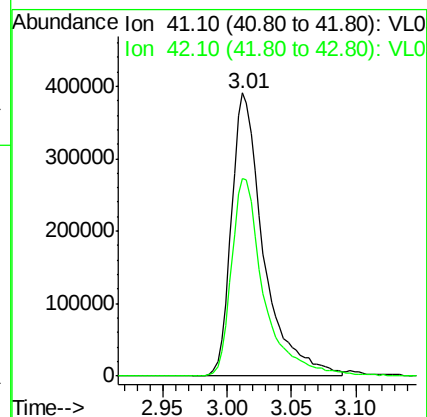
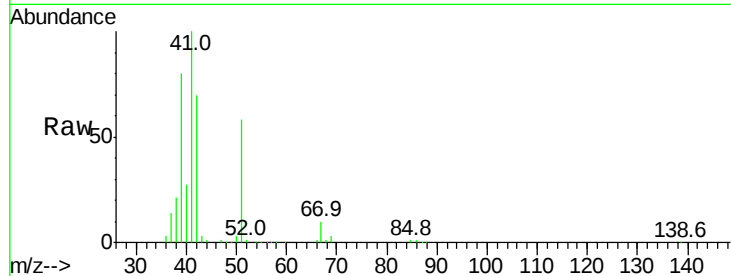
Acq: 21 Mar 2022 16:28 VSTDIC015

Tgt Ion: 41 Resp: 676516

Ion Ratio Lower Upper

41 100

42 70.7 56.2 84.4



#10

Heptane

Concen: 12.49 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL038654.D

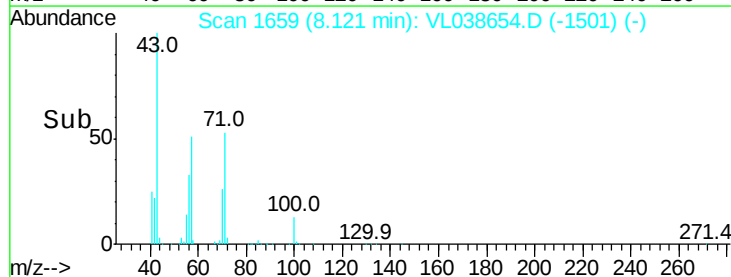
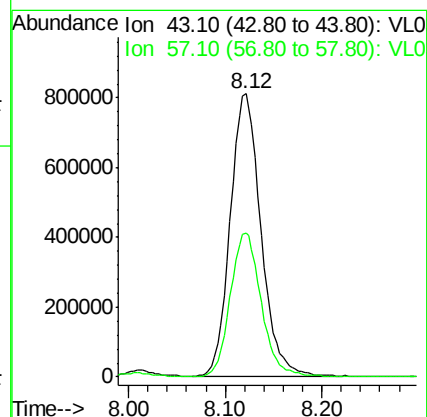
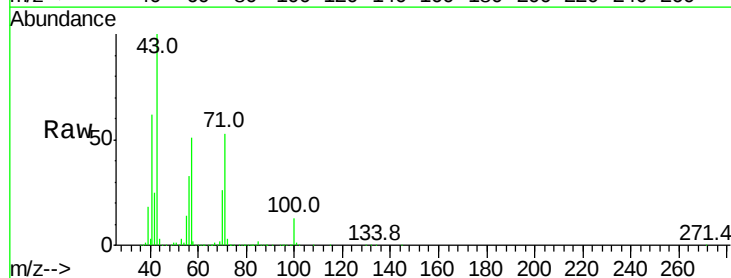
Acq: 21 Mar 2022 16:28

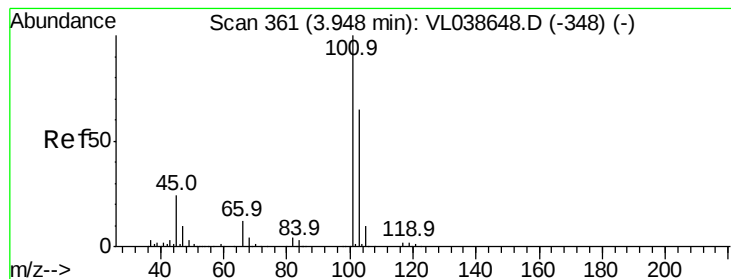
Tgt Ion: 43 Resp: 1777825

Ion Ratio Lower Upper

43 100

57 51.6 41.4 62.2





#11

Trichlorofluoromethane

Concen: 12.21 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

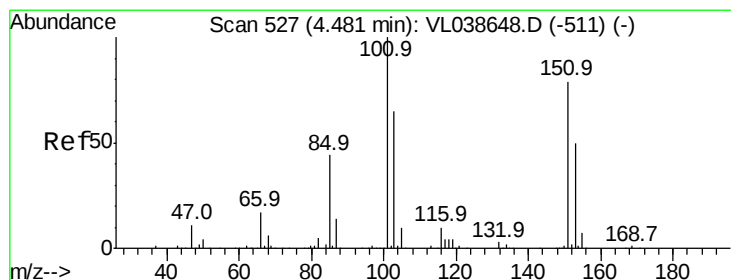
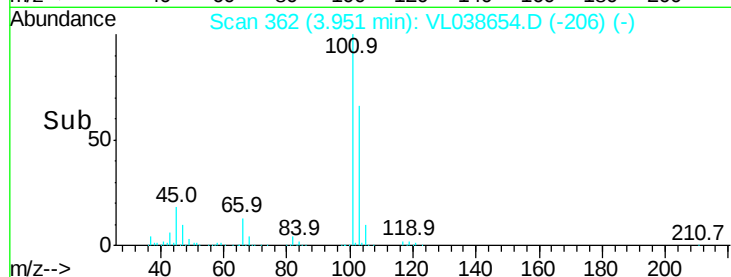
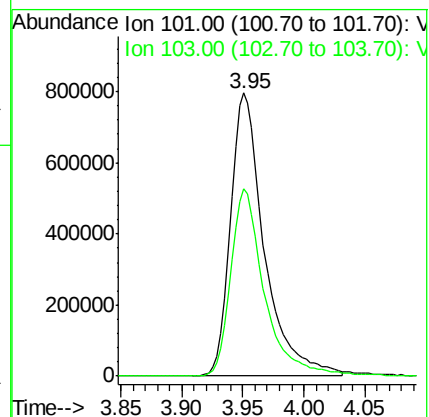
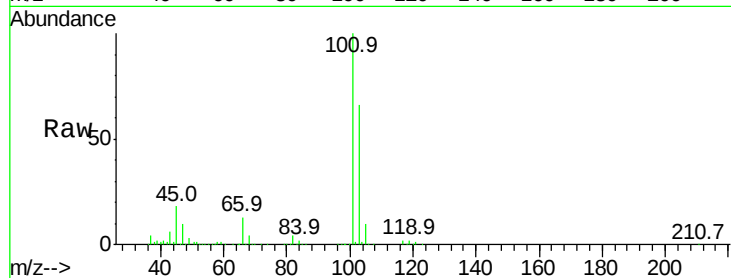
Acq: 21 Mar 2022 16:28 VSTDIC015

Tgt Ion:101 Resp: 1545903

Ion Ratio Lower Upper

101 100

103 66.1 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.65 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL038654.D

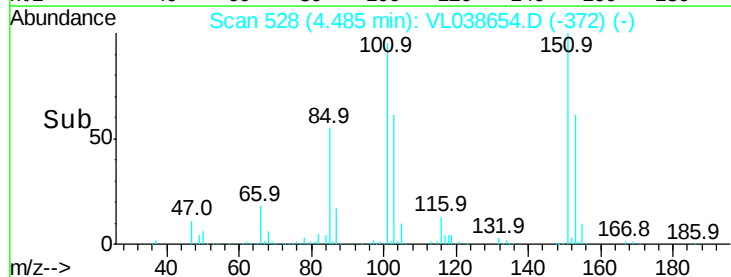
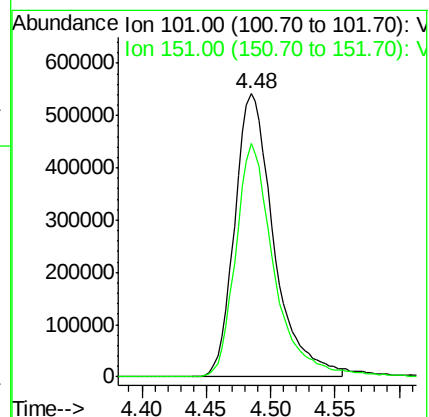
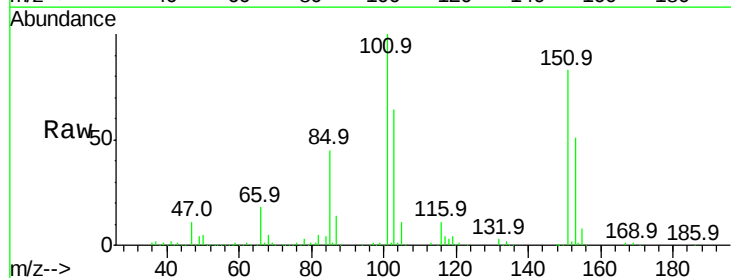
Acq: 21 Mar 2022 16:28

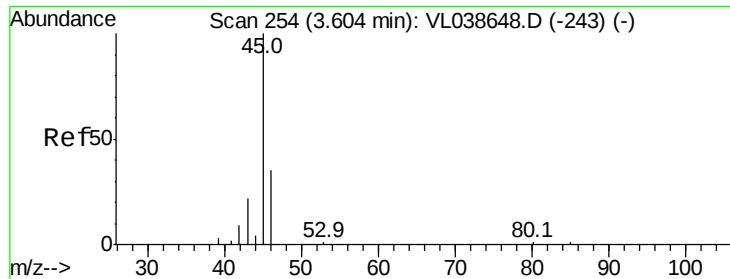
Tgt Ion:101 Resp: 1146834

Ion Ratio Lower Upper

101 100

151 81.2 62.9 94.3





#13

Ethanol

Concen: 7.21 ppbv

RT: 3.61 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDIC015

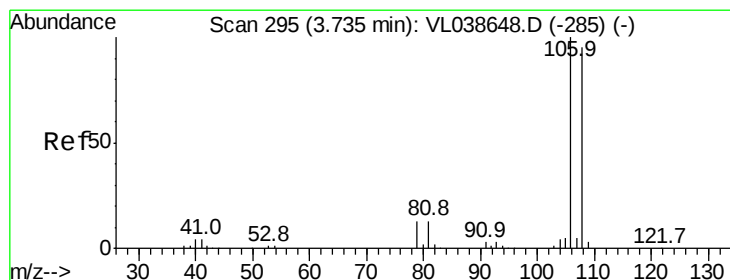
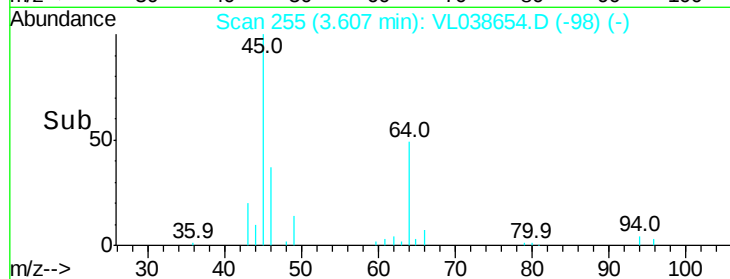
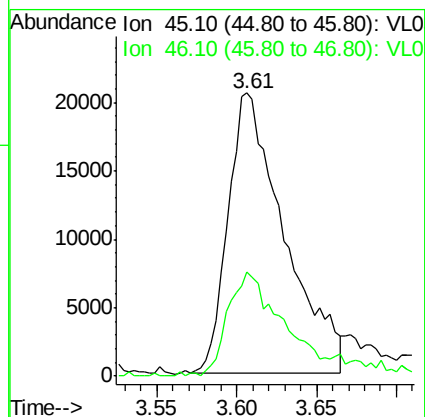
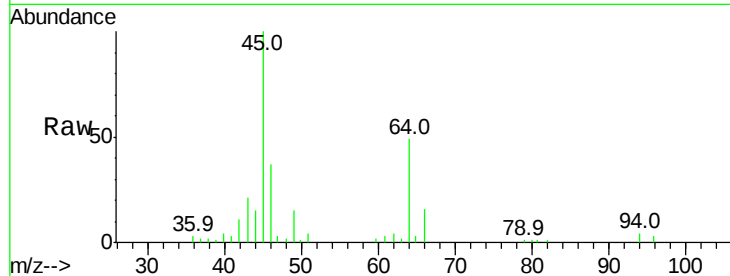
Acq: 21 Mar 2022 16:28

Tgt Ion: 45 Resp: 49232

Ion Ratio Lower Upper

45 100

46 42.5 15.1 60.5



#14

Bromoethene

Concen: 13.02 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

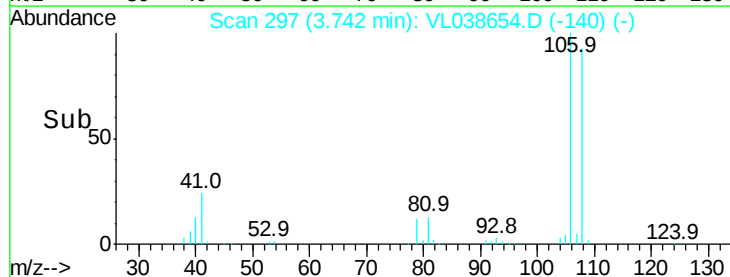
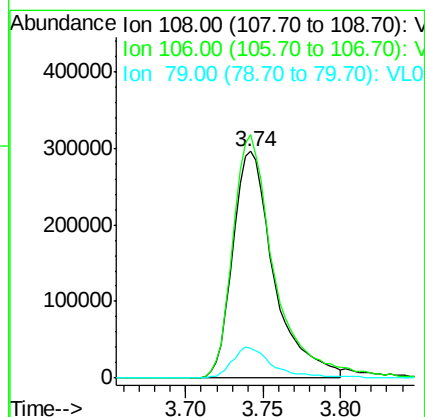
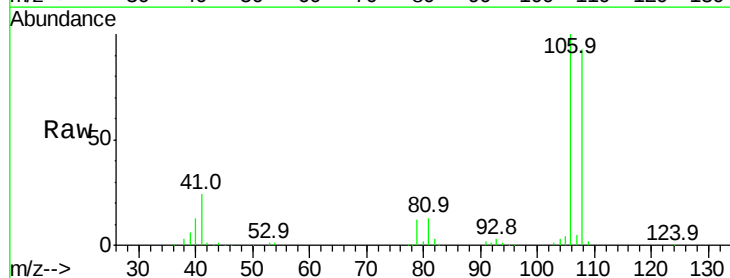
Tgt Ion: 108 Resp: 546104

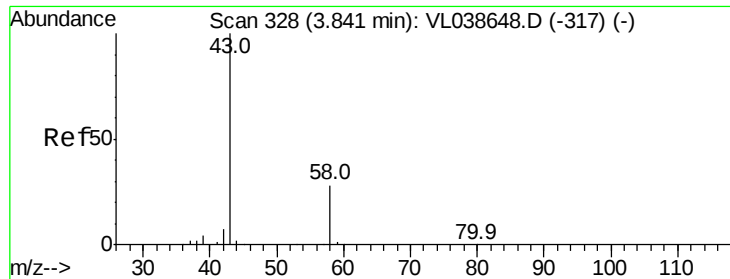
Ion Ratio Lower Upper

108 100

106 109.7 88.3 132.5

79 14.0 11.2 16.8





#15

Acetone

Concen: 16.45 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

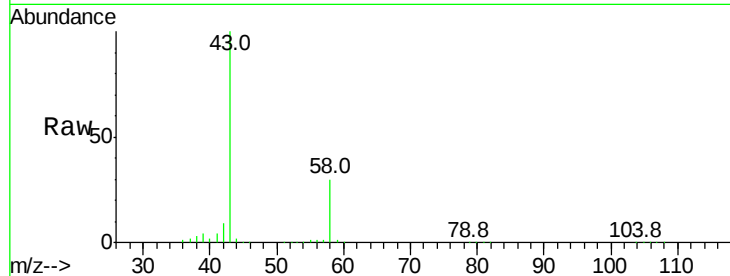
Acq: 21 Mar 2022 16:28

Tgt Ion: 43 Resp: 1109169

Ion Ratio Lower Upper

43 100

58 28.9 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

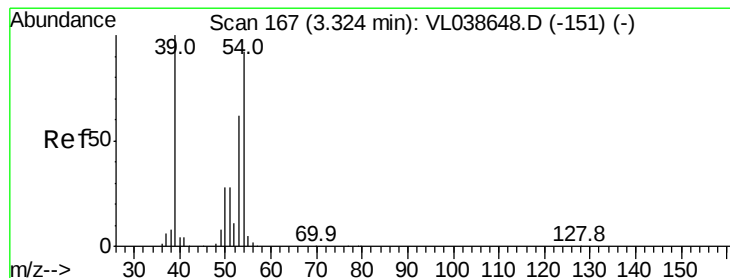
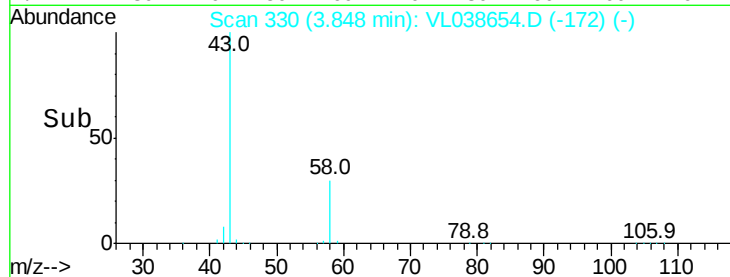
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 12.51 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL038654.D

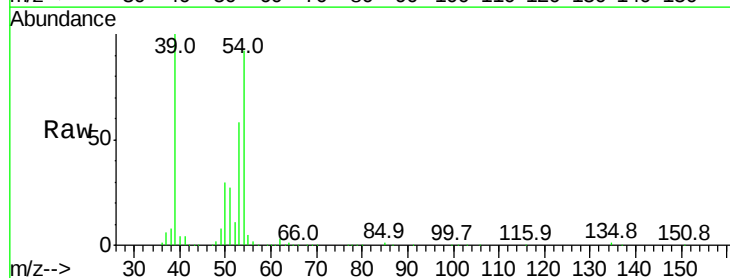
Acq: 21 Mar 2022 16:28

Tgt Ion: 39 Resp: 677921

Ion Ratio Lower Upper

39 100

54 86.3 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

400000

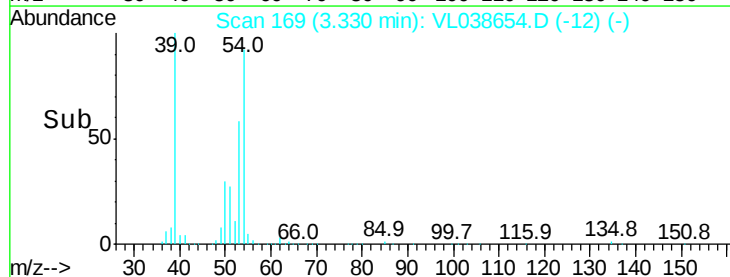
300000

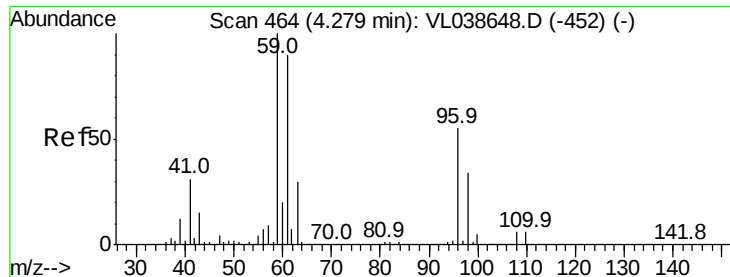
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 12.23 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDIC015

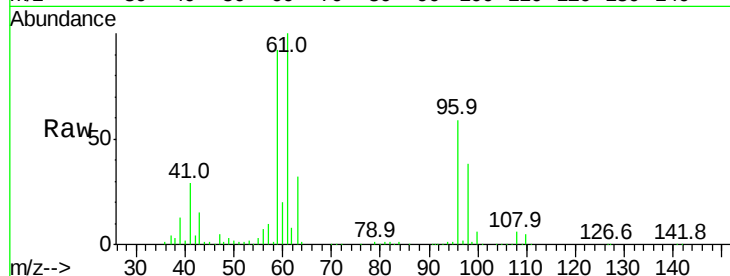
Acq: 21 Mar 2022 16:28

Tgt Ion: 59 Resp: 896194

Ion Ratio Lower Upper

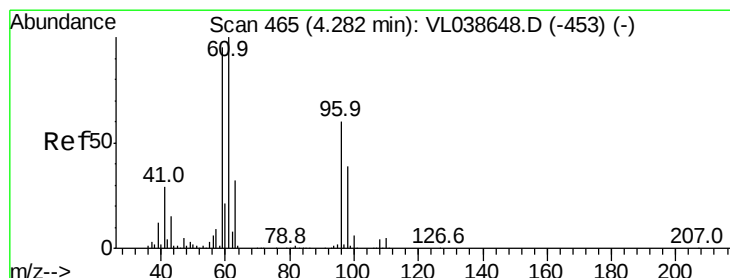
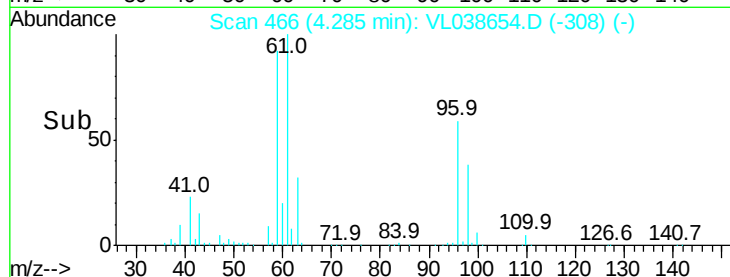
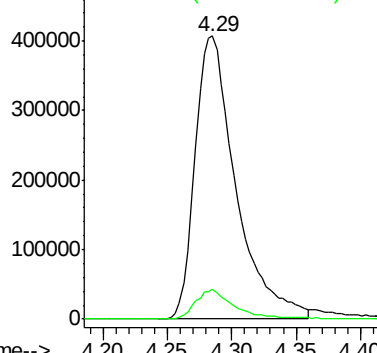
59 100

57 10.4 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 11.97 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

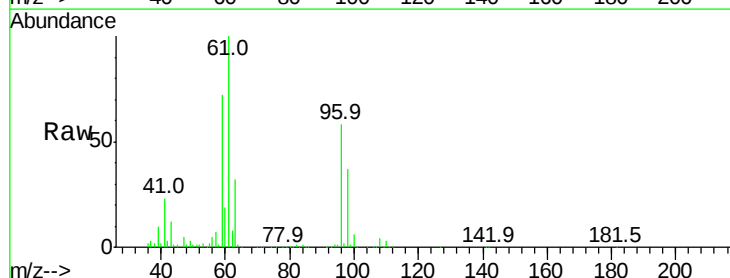
Tgt Ion: 96 Resp: 527163

Ion Ratio Lower Upper

96 100

61 171.5 132.4 198.6

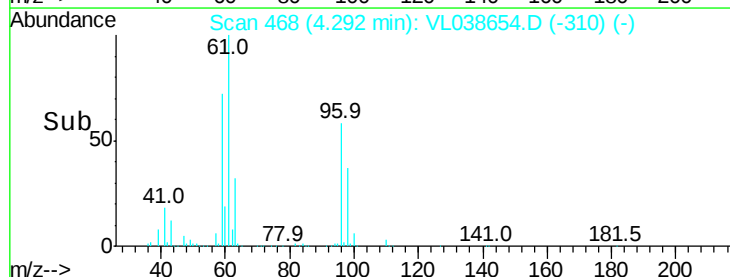
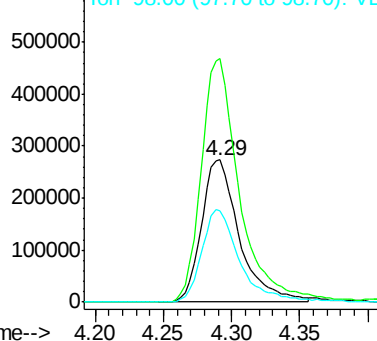
98 64.3 51.6 77.4

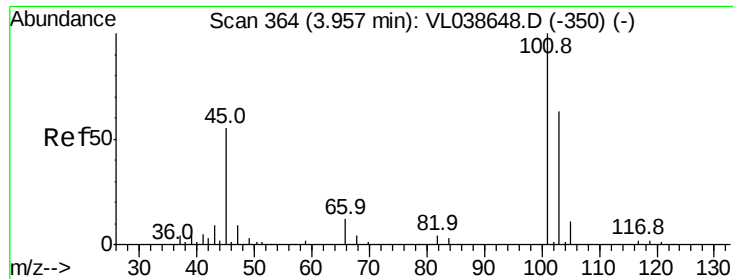


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 12.09 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

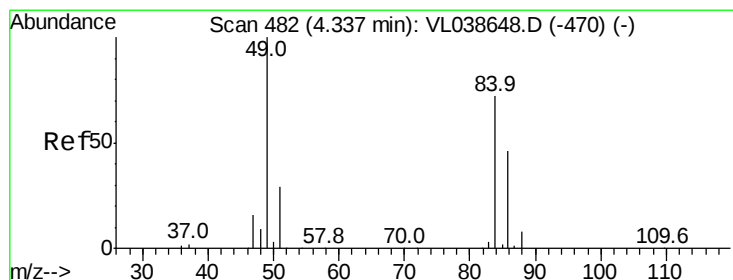
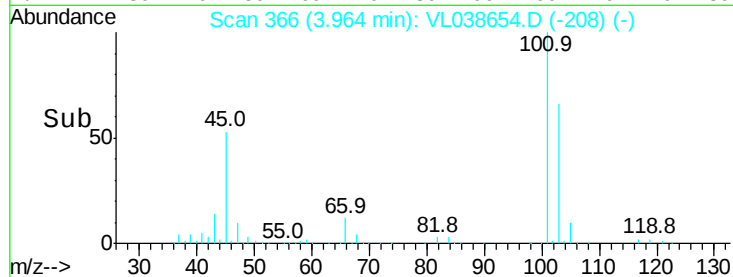
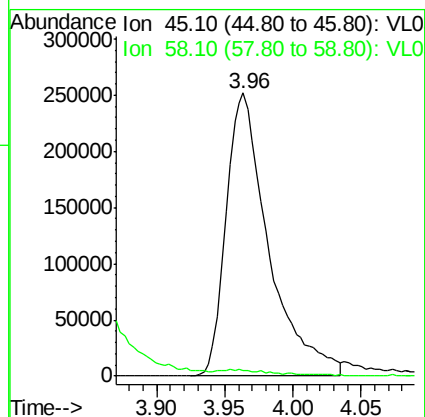
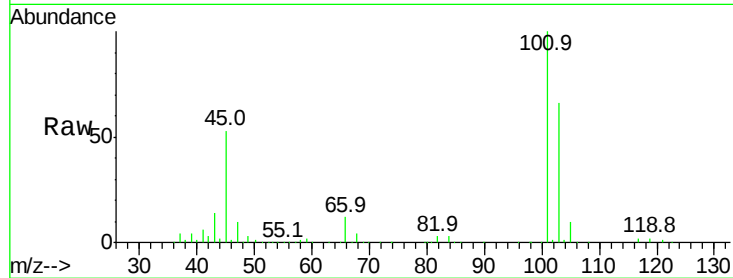
Acq: 21 Mar 2022 16:28

Tgt Ion: 45 Resp: 544380

Ion Ratio Lower Upper

45 100

58 2.8 2.3 3.5



#20

Methylene Chloride

Concen: 11.05 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

Tgt Ion: 84 Resp: 448322

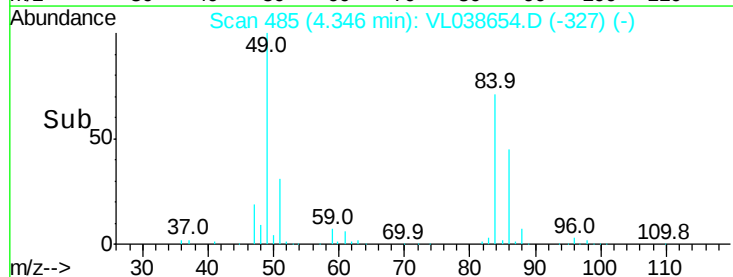
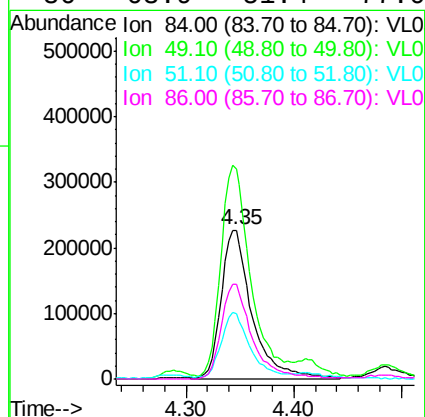
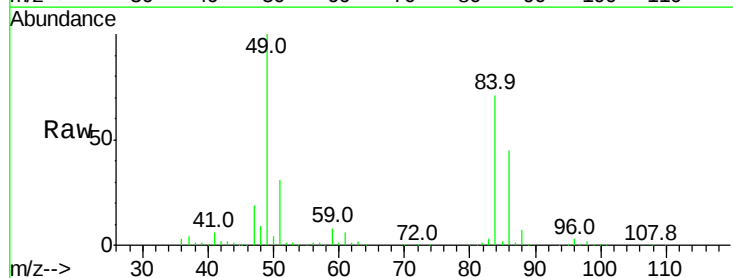
Ion Ratio Lower Upper

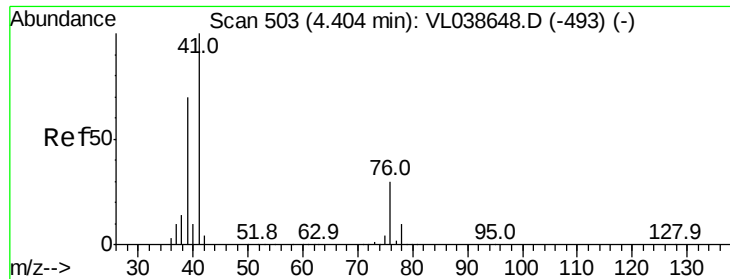
84 100

49 138.9 111.2 166.8

51 42.5 32.8 49.2

86 63.9 51.4 77.0





#21

Allyl Chloride

Concen: 13.01 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 16:28 VSTDIC015

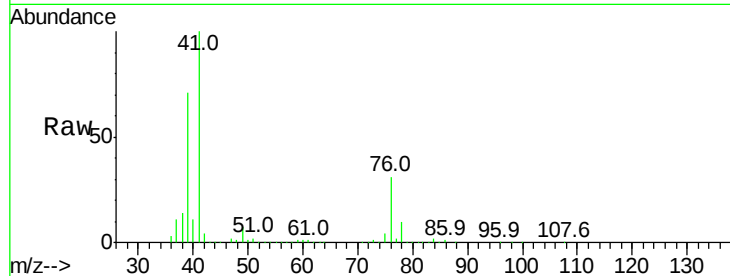
Tgt Ion: 41 Resp: 845351

Ion Ratio Lower Upper

41 100

76 30.7 25.0 37.6

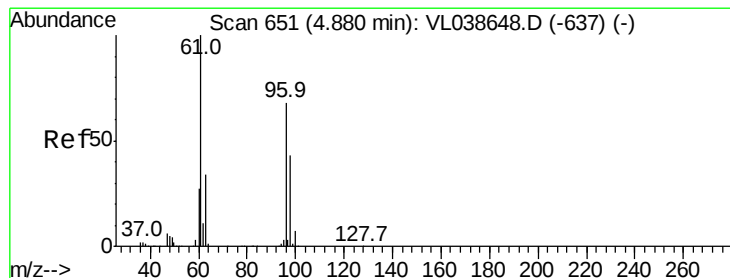
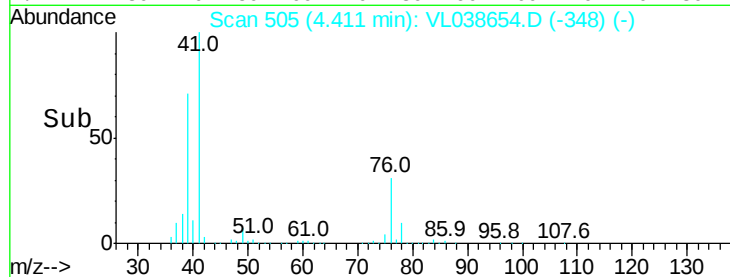
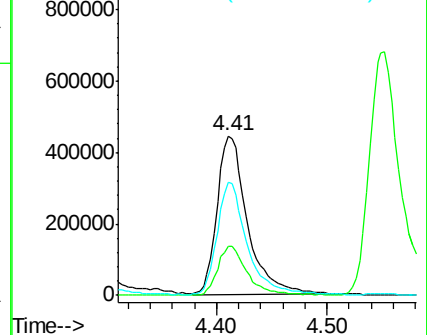
39 69.9 56.6 85.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 12.50 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

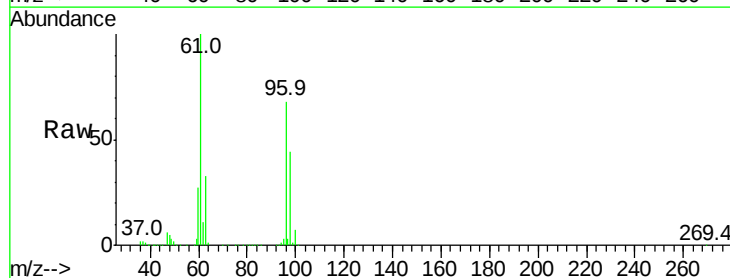
Tgt Ion: 96 Resp: 577104

Ion Ratio Lower Upper

96 100

61 146.1 118.3 177.5

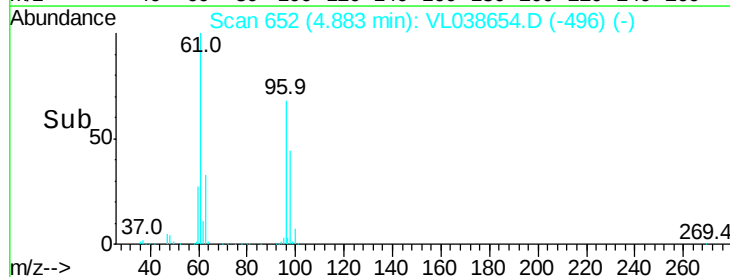
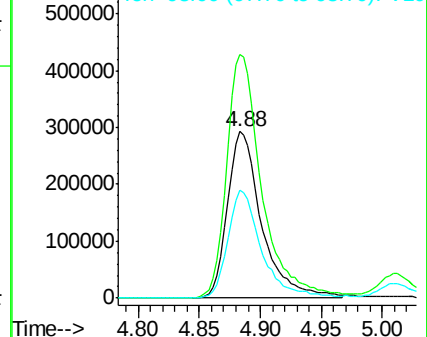
98 64.5 51.3 76.9

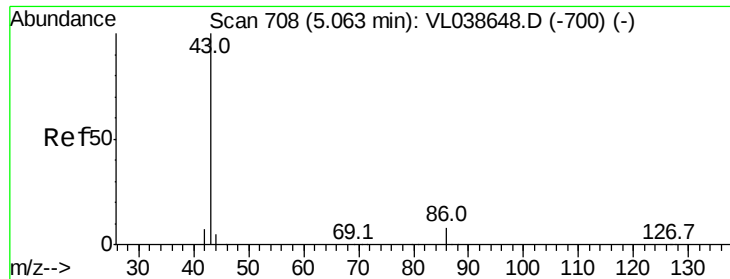


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 12.27 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

Acq: 21 Mar 2022 16:28

Tgt Ion: 43 Resp: 1186118

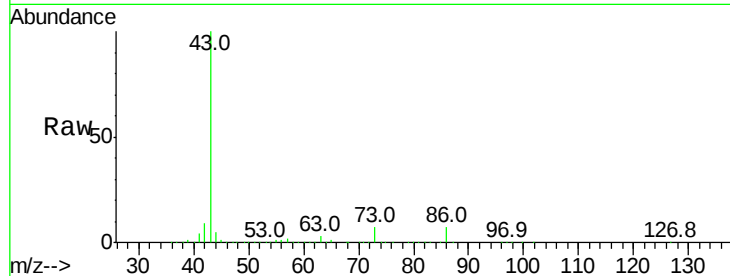
Ion Ratio Lower Upper

43 100

86 7.3 5.6 8.4

42 9.1 6.8 10.2

44 4.9 4.2 6.2

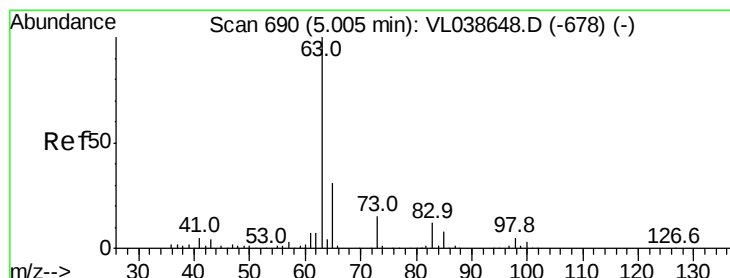
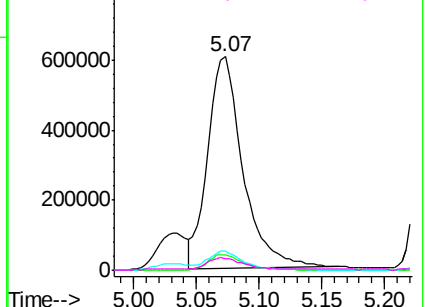
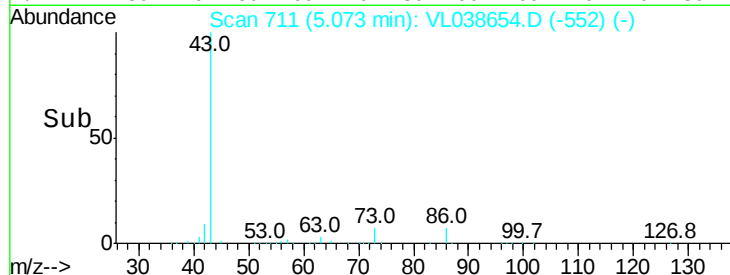


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 12.03 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

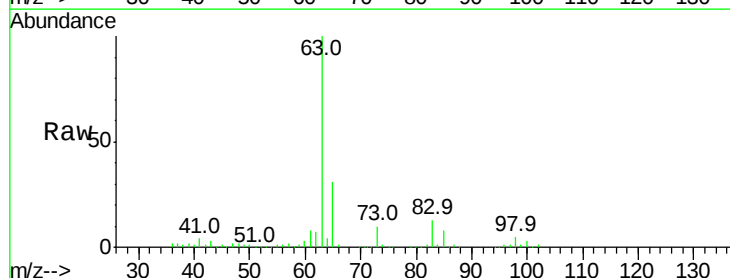
Tgt Ion: 63 Resp: 1057498

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

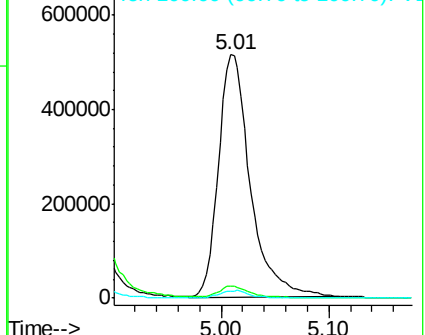
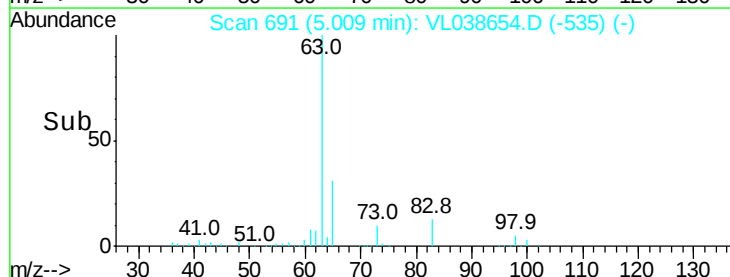
100 3.0 1.4 4.2

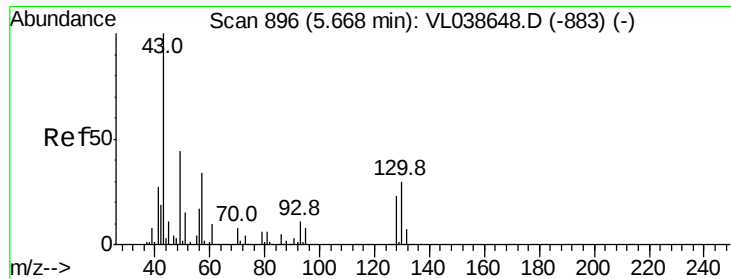


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

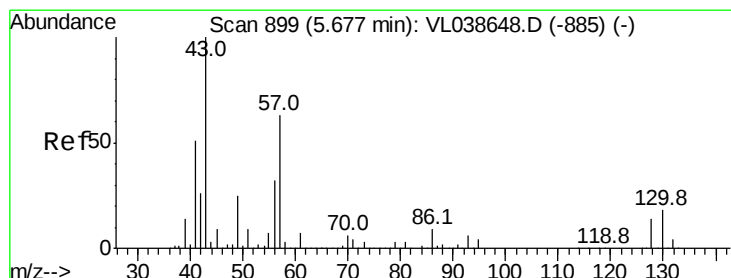
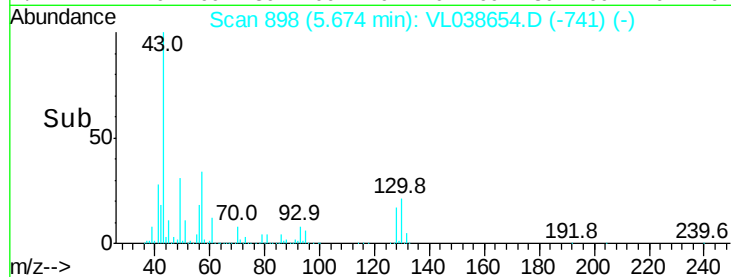
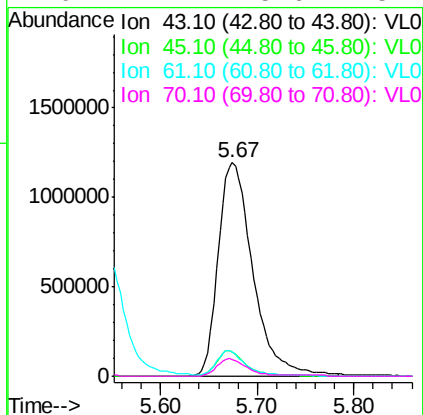
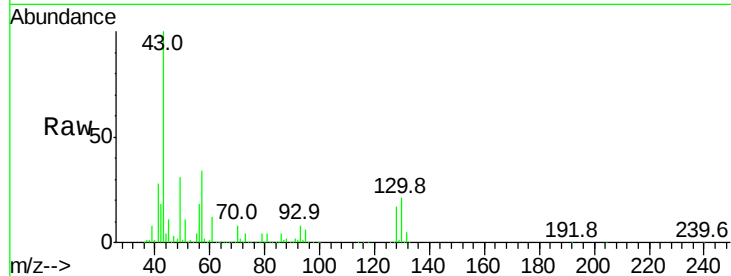




#25
Ethyl Acetate
Concen: 13.08 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC015
Acq: 21 Mar 2022 16:28

Tgt Ion: 43 Resp: 2970184

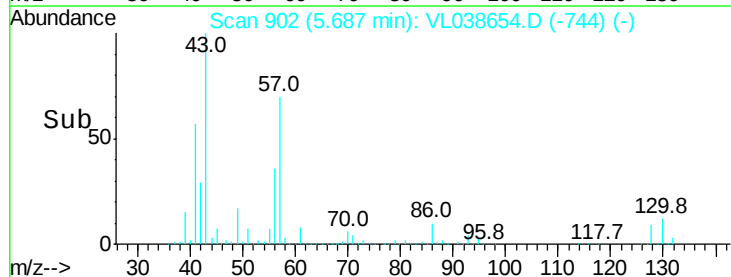
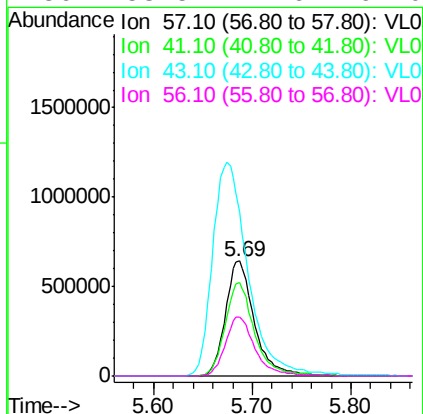
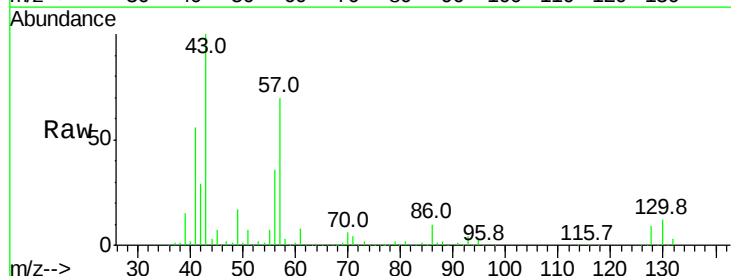
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.7	8.3	12.5
70	7.2	5.6	8.4

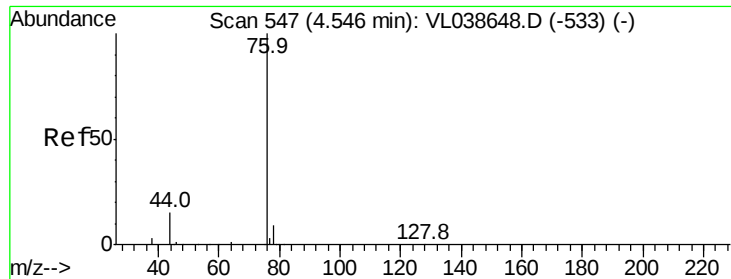


#26
Hexane
Concen: 12.35 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

Tgt Ion: 57 Resp: 1316881

Ion	Ratio	Lower	Upper
57	100		
41	84.1	67.0	100.4
43	227.1	184.2	276.2
56	53.5	42.6	64.0





#27

Carbon Disulfide

Concen: 13.15 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC015

Acq: 21 Mar 2022 16:28

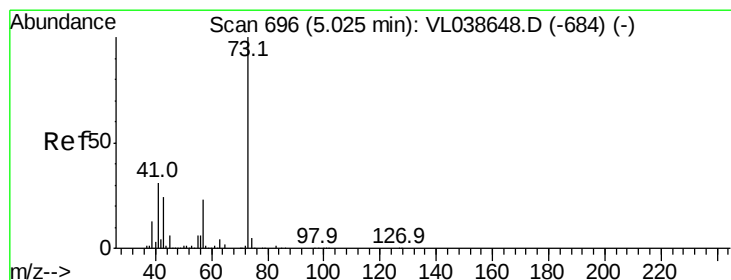
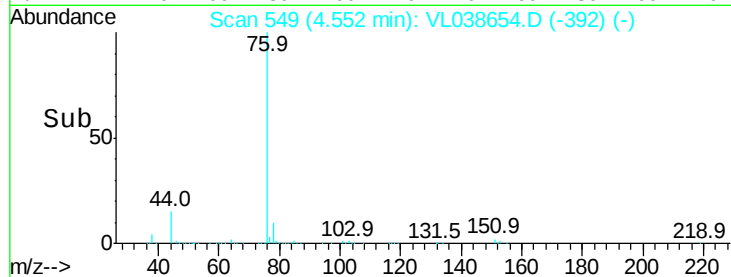
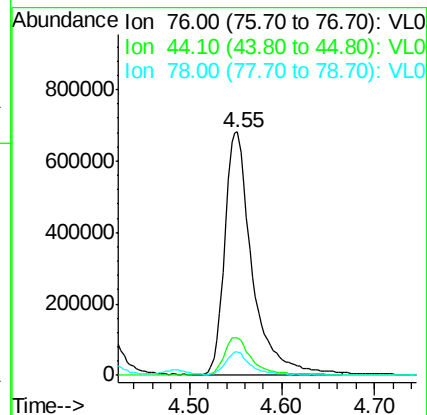
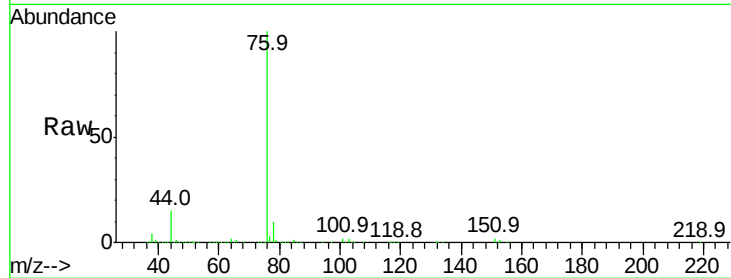
Tgt Ion: 76 Resp: 1396526

Ion Ratio Lower Upper

76 100

44 15.3 12.4 18.6

78 9.3 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 10.94 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL038654.D

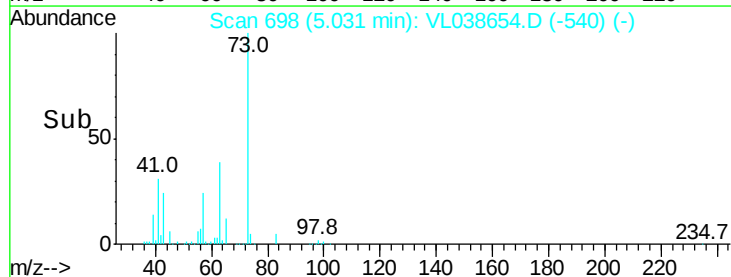
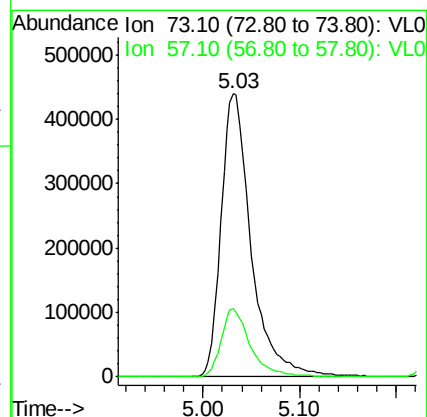
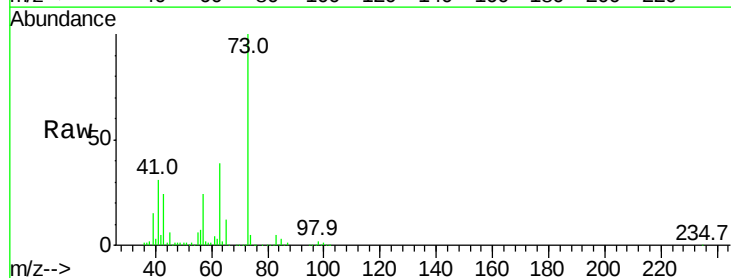
Acq: 21 Mar 2022 16:28

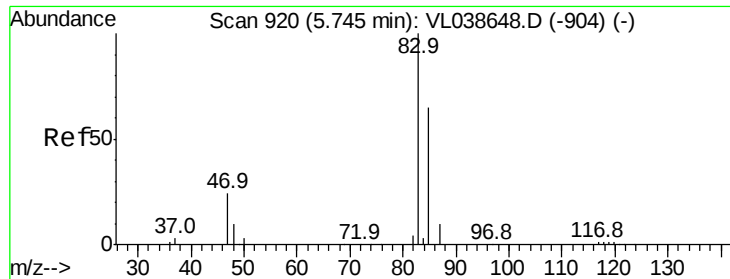
Tgt Ion: 73 Resp: 949753

Ion Ratio Lower Upper

73 100

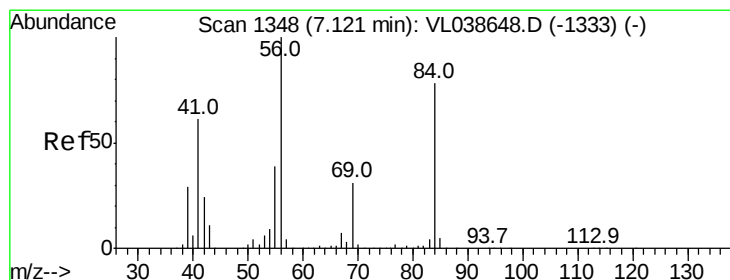
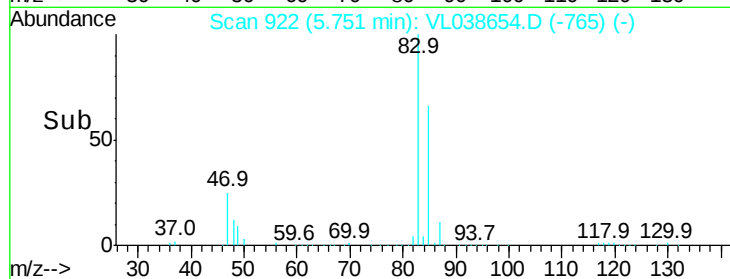
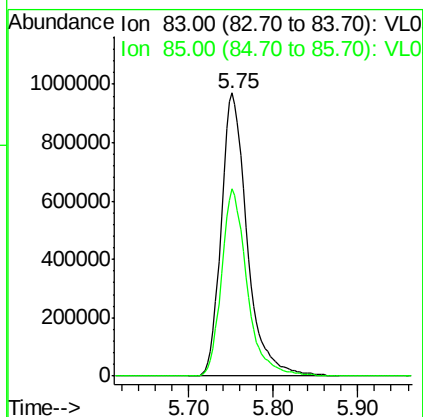
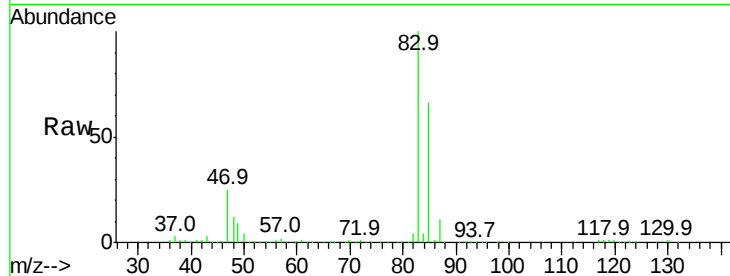
57 23.8 19.2 28.8





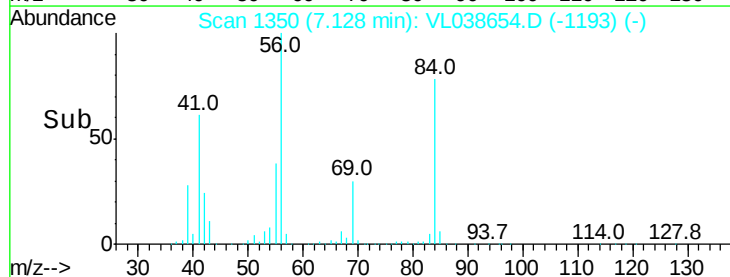
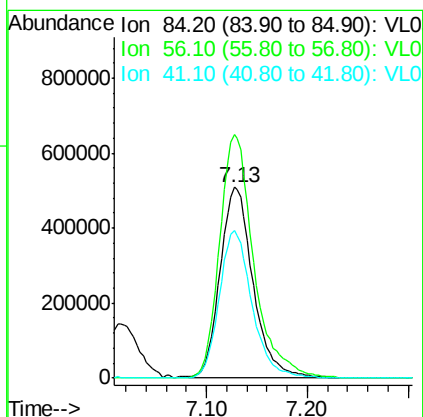
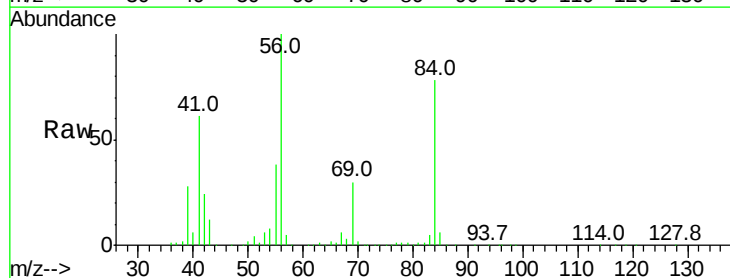
#29
Chloroform
Concen: 12.51 ppbv
RT: 5.75
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Mar 2022 16:28

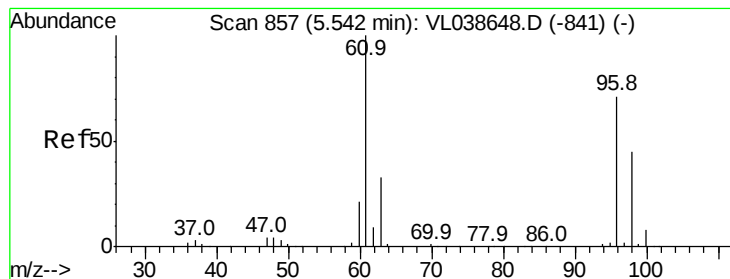
Tgt Ion: 83 Resp: 2076545
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5



#30
Cyclohexane
Concen: 12.47 ppbv
RT: 7.13 min Scan# 1350
Delta R.T.: 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

Tgt Ion: 84 Resp: 1149759
Ion Ratio Lower Upper
84 100
56 134.0 108.2 162.4
41 78.0 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 12.69 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 16:28 VSTDIC015

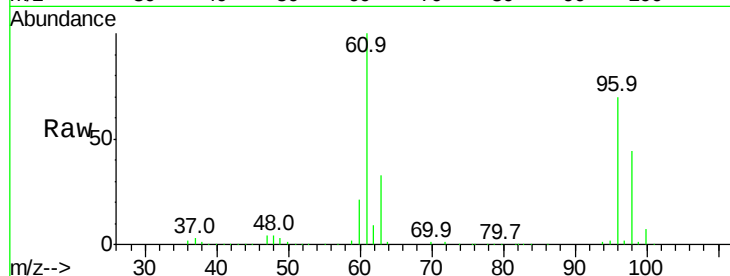
Tgt Ion: 61 Resp: 1294416

Ion Ratio Lower Upper

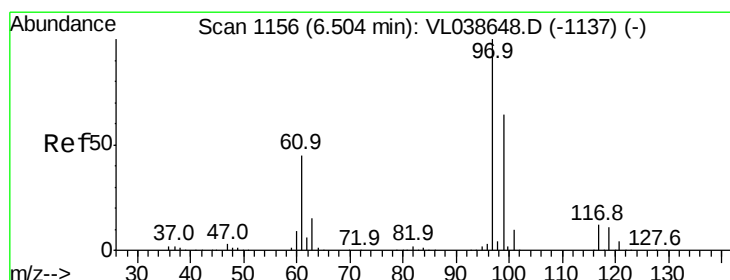
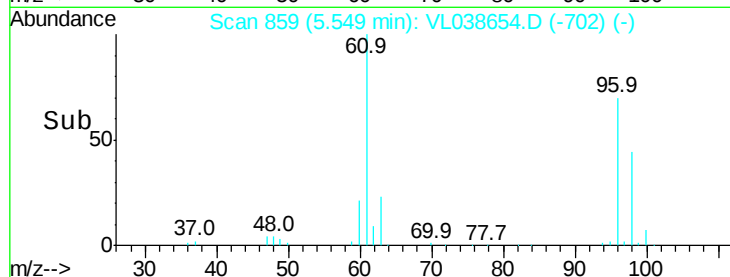
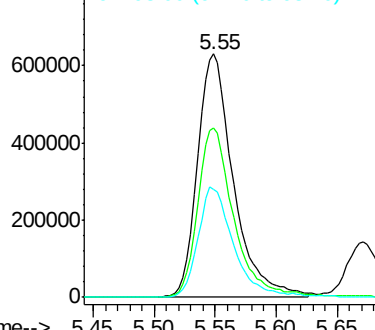
61 100

96 69.8 56.6 84.8

98 44.3 36.3 54.5



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



#32

1,1,1-Trichloroethane

Concen: 12.40 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

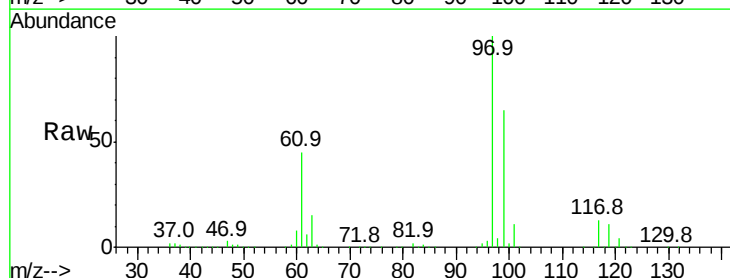
Tgt Ion: 97 Resp: 1995063

Ion Ratio Lower Upper

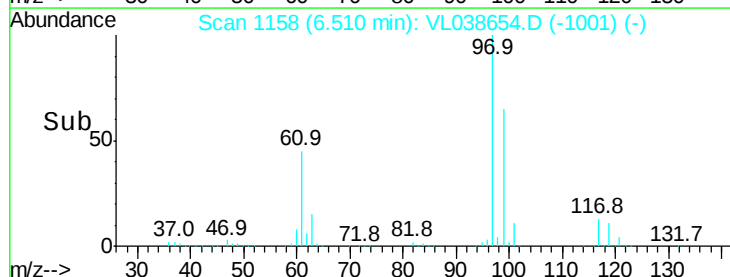
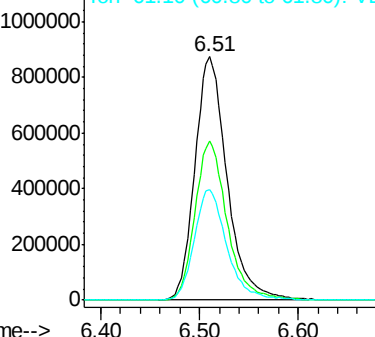
97 100

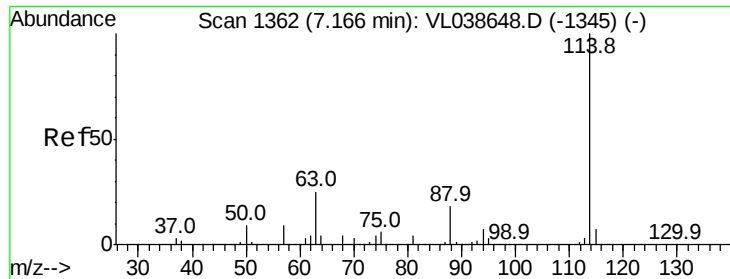
99 65.3 51.8 77.8

61 45.9 36.7 55.1



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

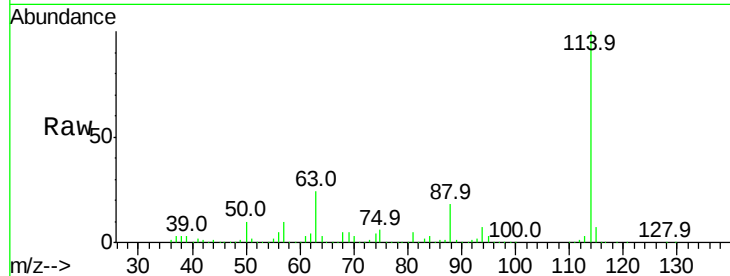




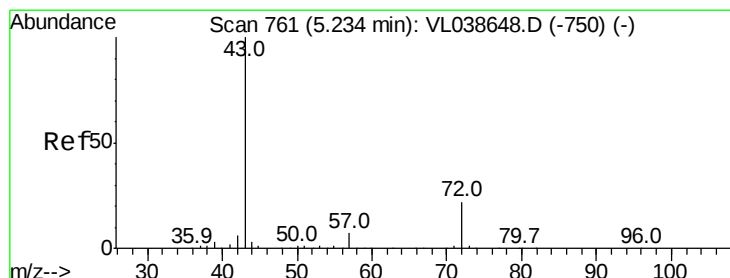
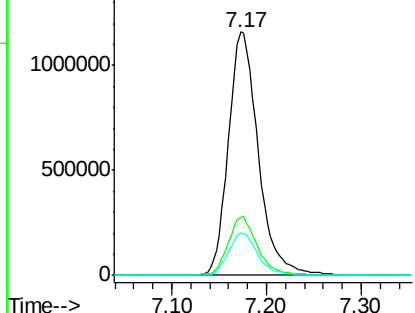
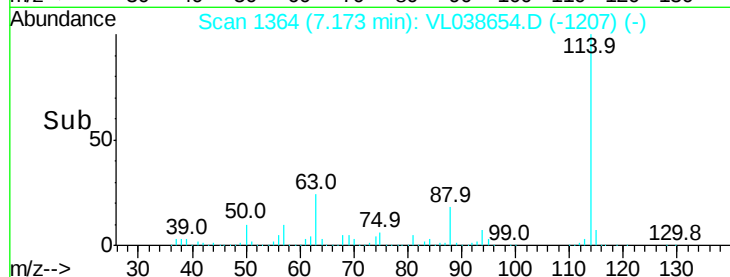
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

Tgt Ion: 114 Resp: 2538708

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.3	13.9	20.9



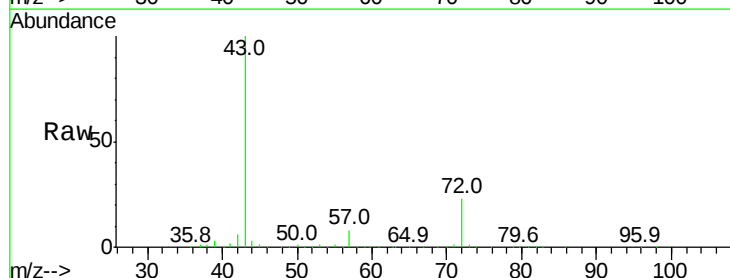
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



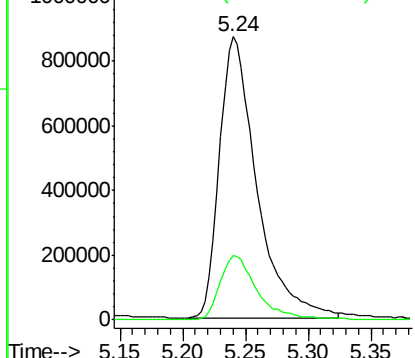
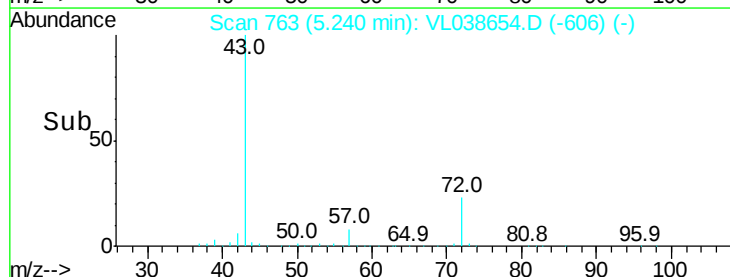
#34
 2-Butanone
 Concen: 27.36 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

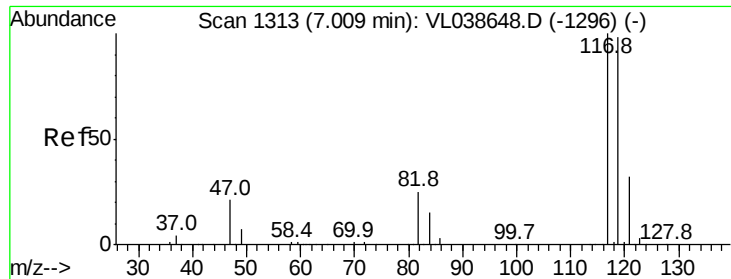
Tgt Ion: 43 Resp: 1800214

Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.8	26.8



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

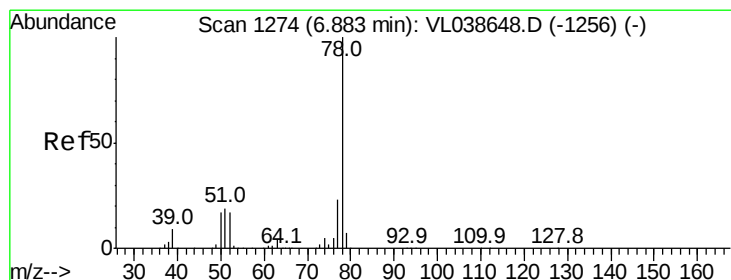
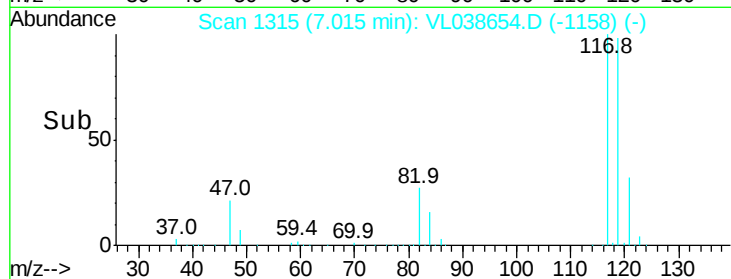
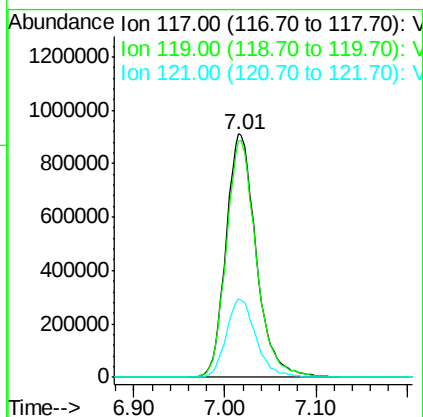
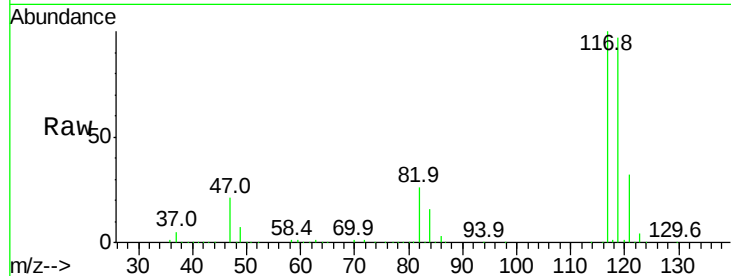




#35
Carbon Tetrachloride
Concen: 12.13 ppbv
RT: 7.01 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Mar 2022 16:28

Tgt Ion: 117 Resp: 2100261

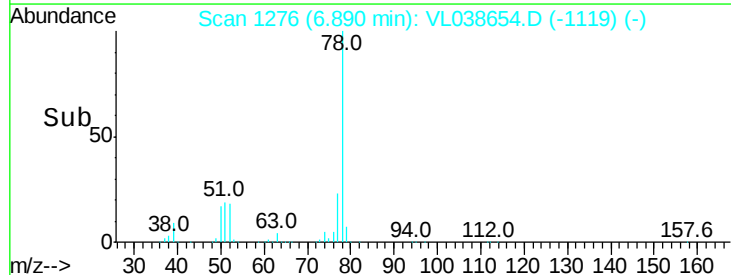
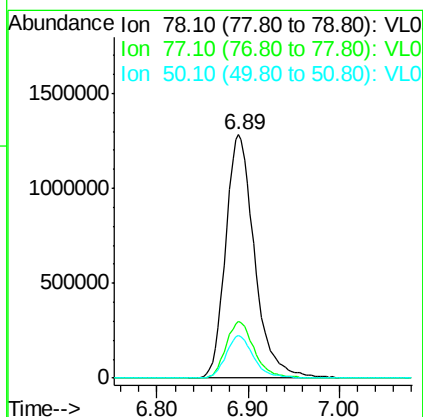
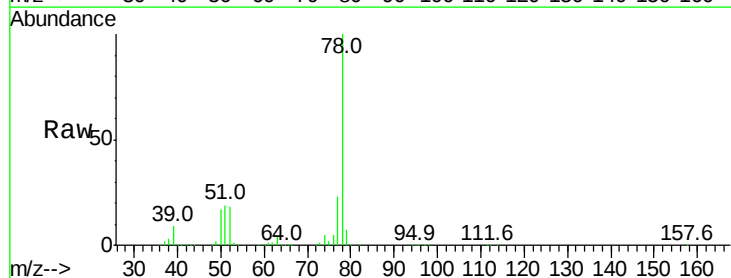
Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.1	117.1
121	32.1	25.8	38.6

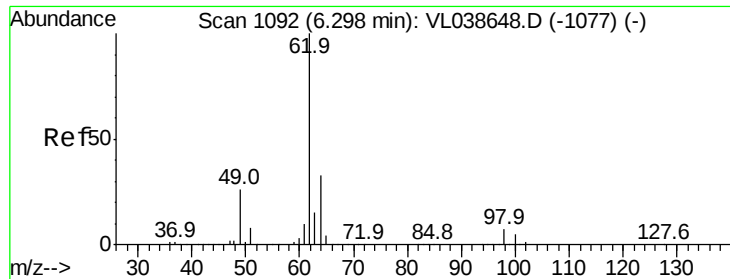


#36
Benzene
Concen: 12.33 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

Tgt Ion: 78 Resp: 2824237

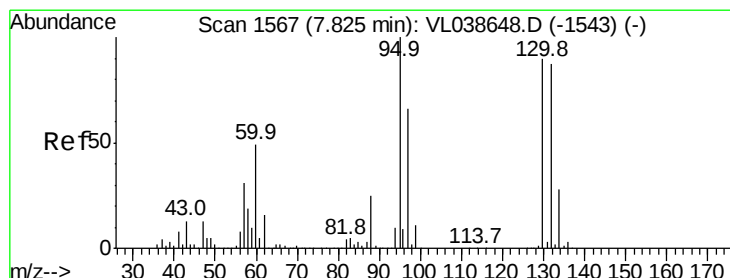
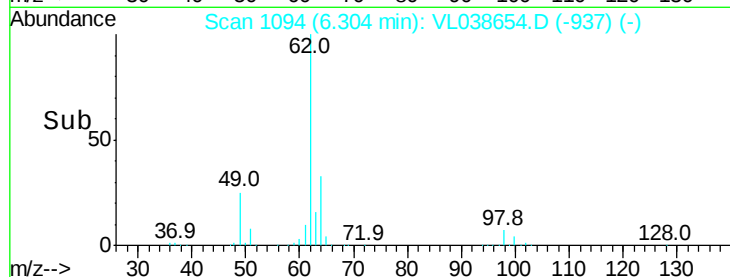
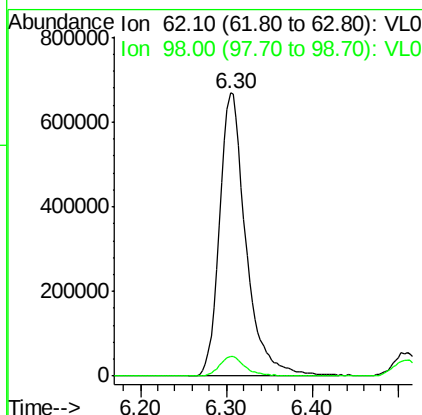
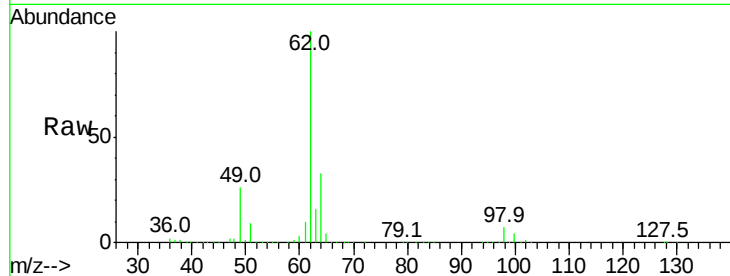
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.1	27.1
50	17.3	13.6	20.4





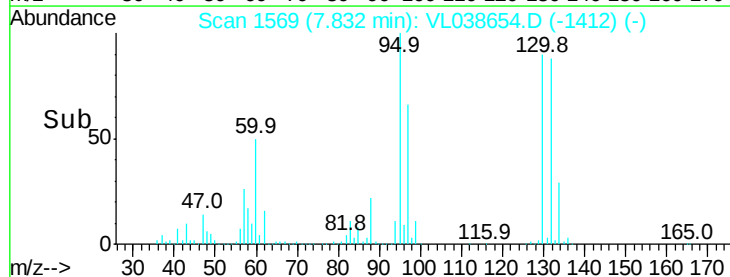
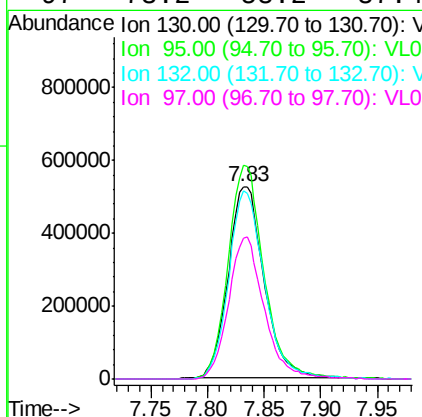
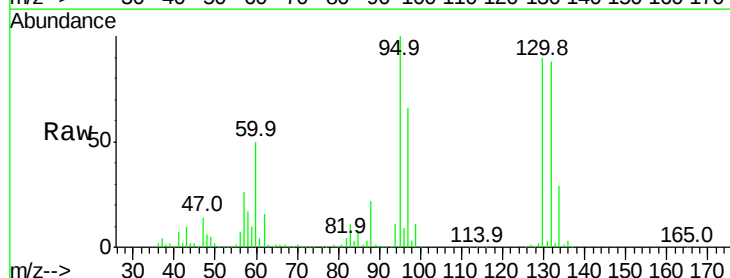
#37
 1,2-Dichloroethane
 Concen: 13.05 ppbv
 RT: 6.30
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

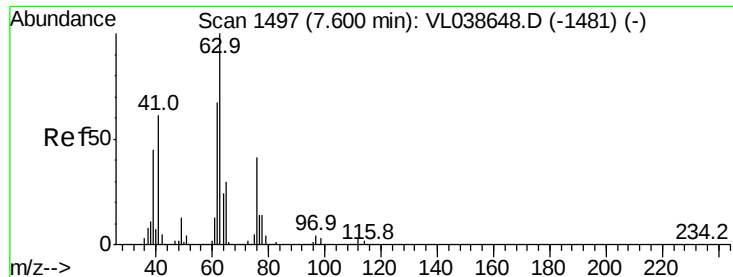
Tgt Ion: 62 Resp: 1429193
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.6 8.4



#38
 Trichloroethene
 Concen: 12.74 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T.: 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

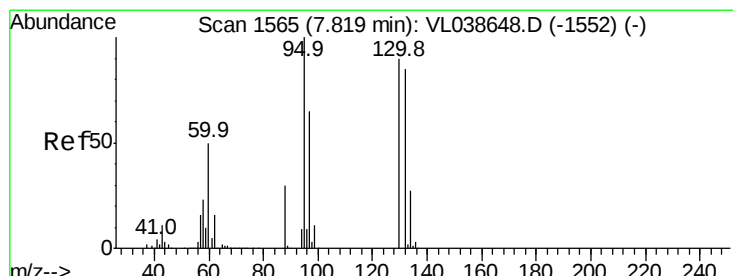
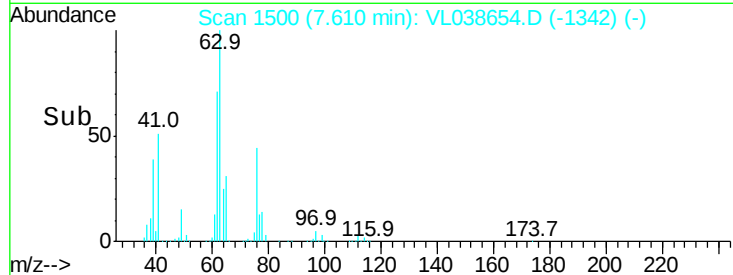
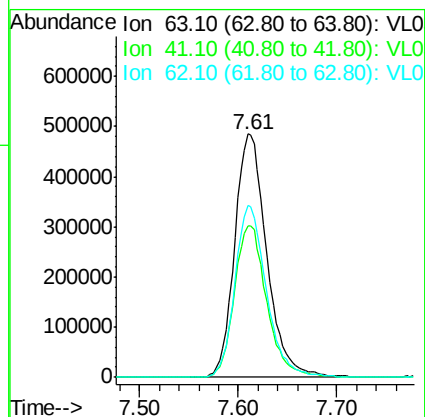
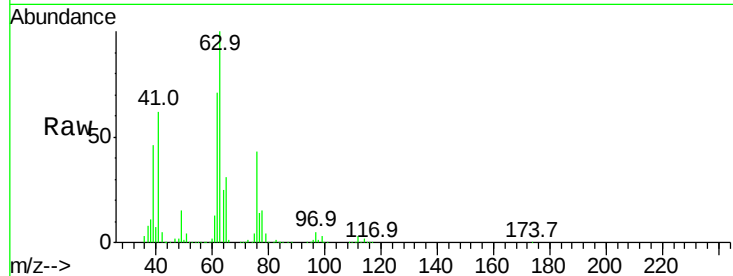
Tgt Ion:130 Resp: 1166097
 Ion Ratio Lower Upper
 130 100
 95 111.3 88.9 133.3
 132 98.3 77.4 116.0
 97 73.2 58.2 87.4





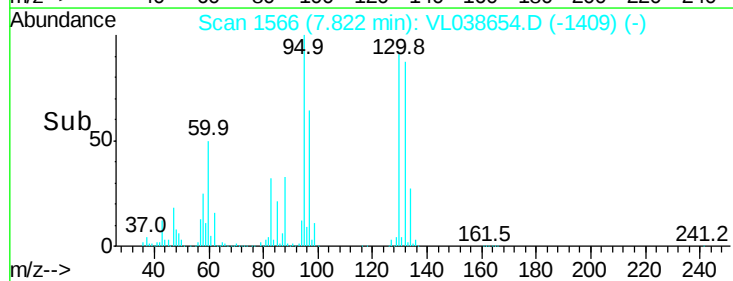
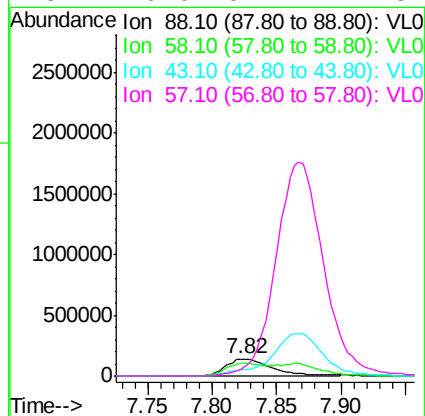
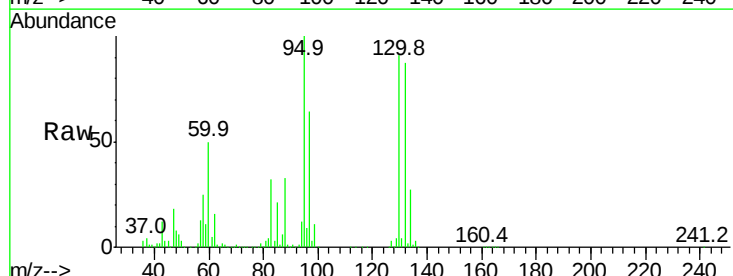
#39
 1,2-Dichloropropane
 Concen: 12.42 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

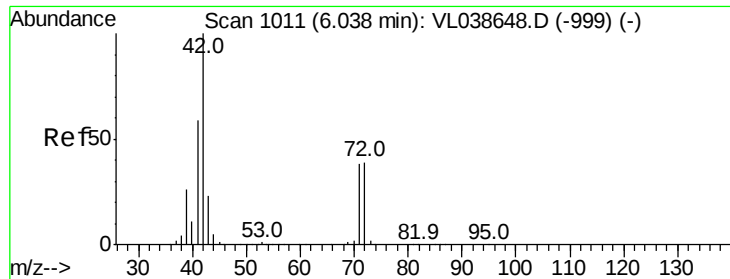
Tgt Ion: 63 Resp: 1094041
 Ion Ratio Lower Upper
 63 100
 41 61.9 49.0 73.6
 62 70.8 53.9 80.9



#40
 1,4-Dioxane
 Concen: 15.48 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion: 88 Resp: 341337
 Ion Ratio Lower Upper
 88 100
 58 54.5 105.6 158.4#
 43 0.0 201.9 302.9#
 57 0.0 942.1 1413.1#





#41

Tetrahydrofuran

Concen: 21.22 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC015

Acq: 21 Mar 2022 16:28

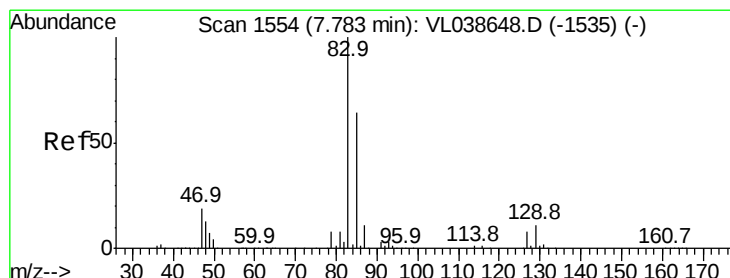
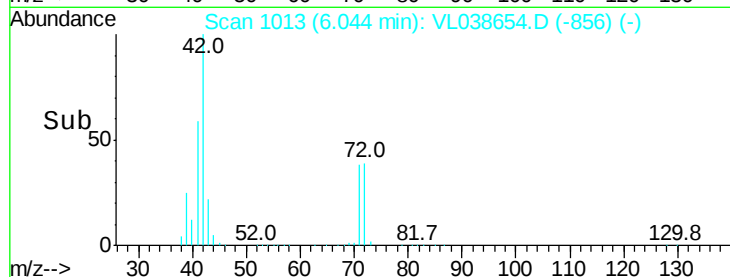
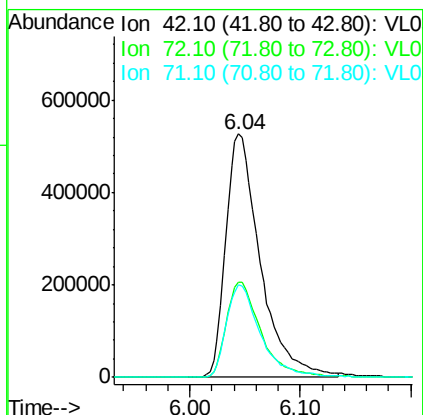
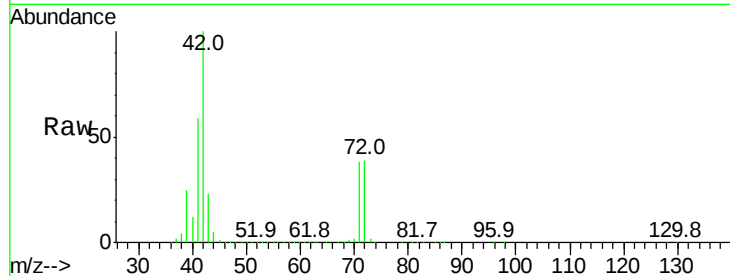
Tgt Ion: 42 Resp: 1142621

Ion Ratio Lower Upper

42 100

72 39.9 32.5 48.7

71 38.2 31.4 47.2



#42

Bromodichloromethane

Concen: 12.64 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

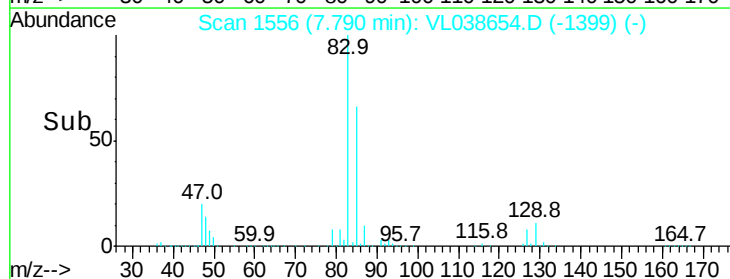
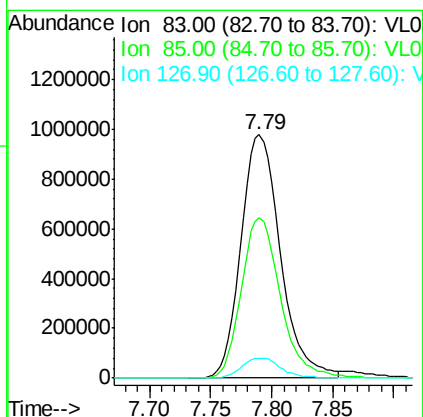
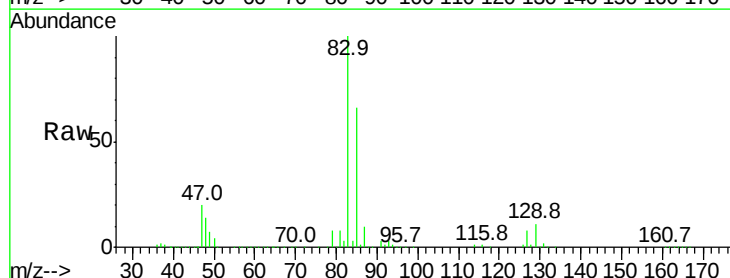
Tgt Ion: 83 Resp: 2193402

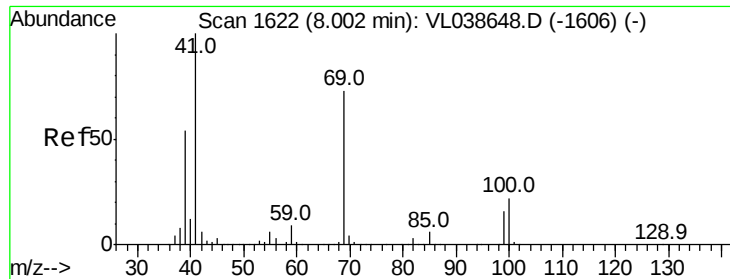
Ion Ratio Lower Upper

83 100

85 66.0 51.1 76.7

127 8.1 6.5 9.7





#43

Methyl Methacrylate

Concen: 14.74 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 21 Mar 2022 16:28

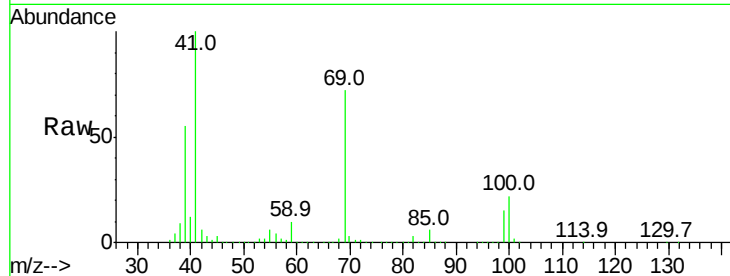
Tgt Ion: 69 Resp: 1159467

Ion Ratio Lower Upper

69 100

41 138.8 110.3 165.5

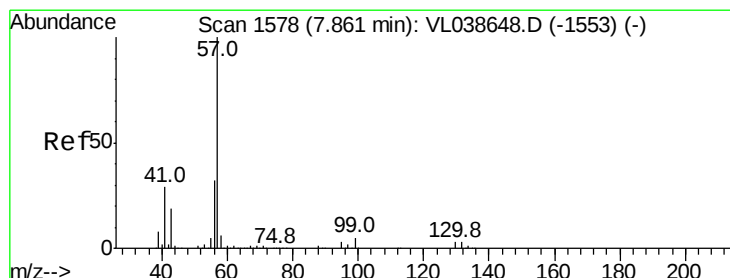
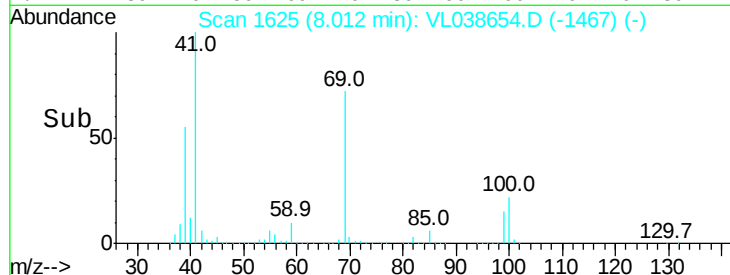
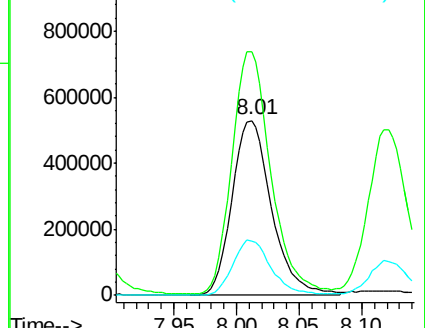
100 31.1 24.8 37.2



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 11.77 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

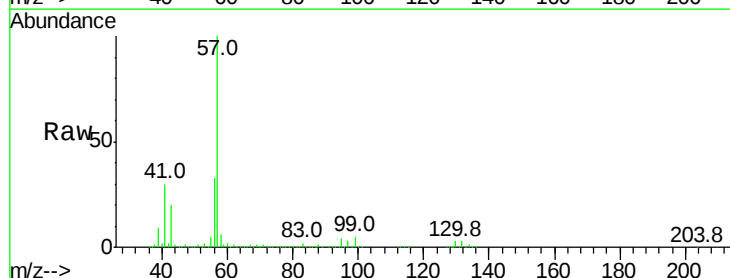
Tgt Ion: 57 Resp: 4560164

Ion Ratio Lower Upper

57 100

41 29.1 23.0 34.4

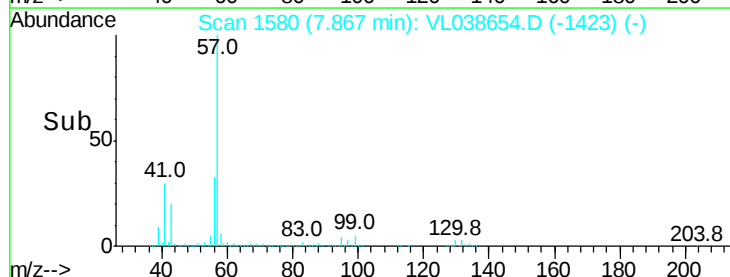
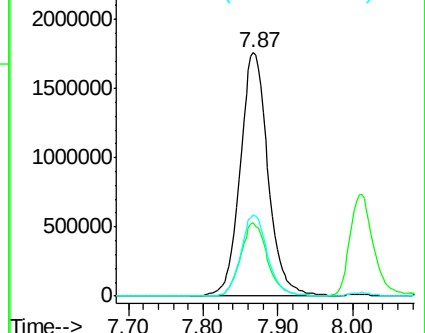
56 32.1 25.3 37.9

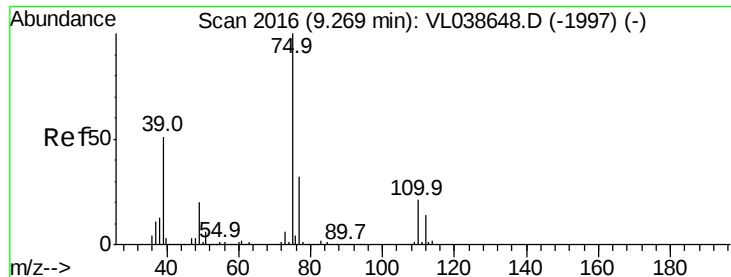


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 23.59 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

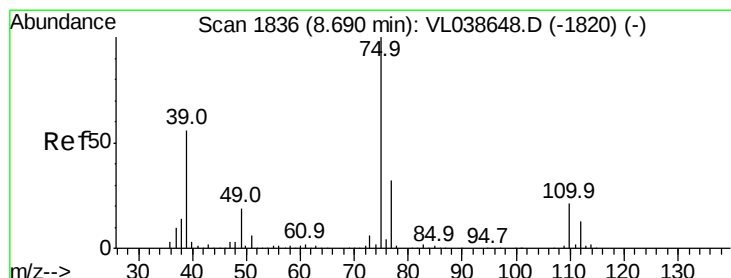
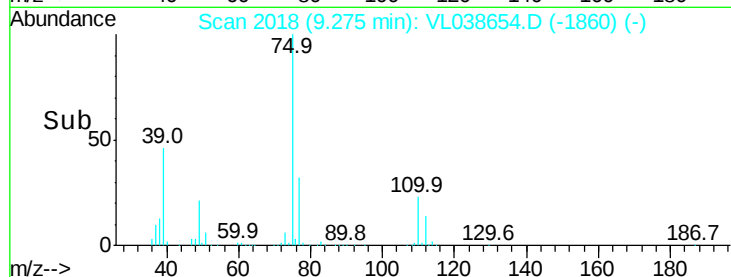
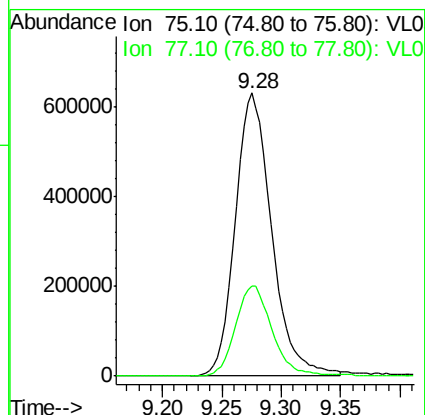
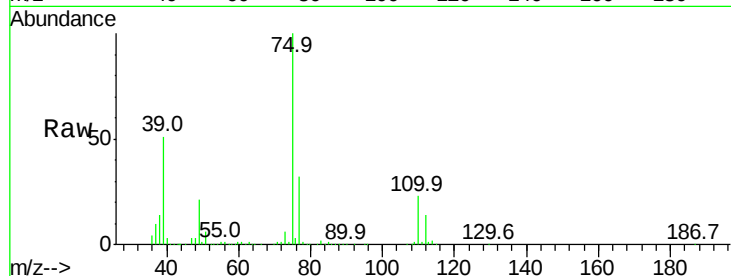
Acq: 21 Mar 2022 16:28 VSTDIC015

Tgt Ion: 75 Resp: 1336785

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 21.36 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

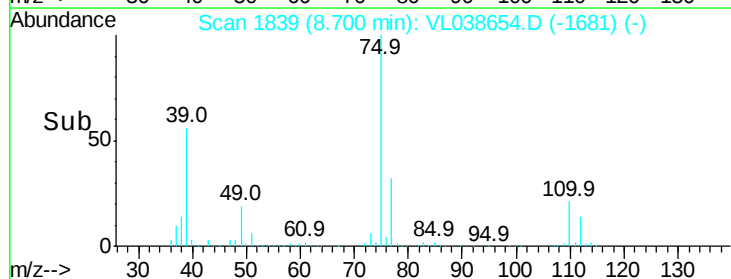
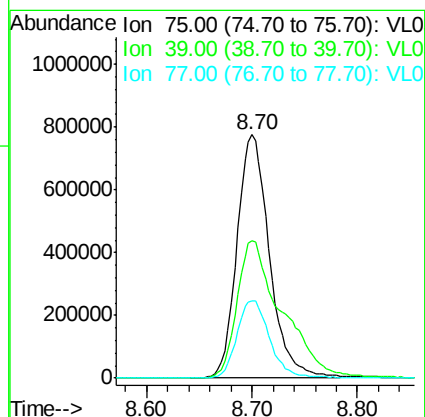
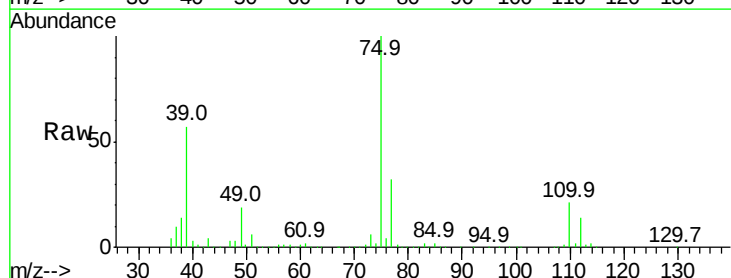
Tgt Ion: 75 Resp: 1655133

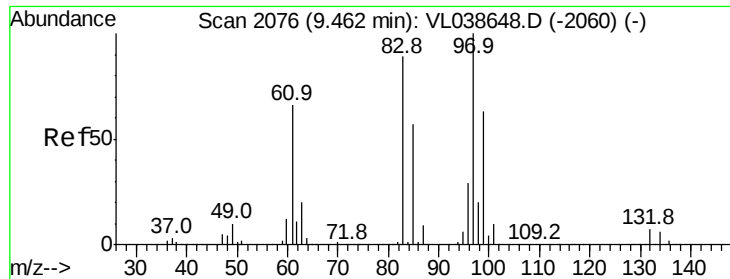
Ion Ratio Lower Upper

75 100

39 56.6 44.8 67.2

77 31.6 25.4 38.0

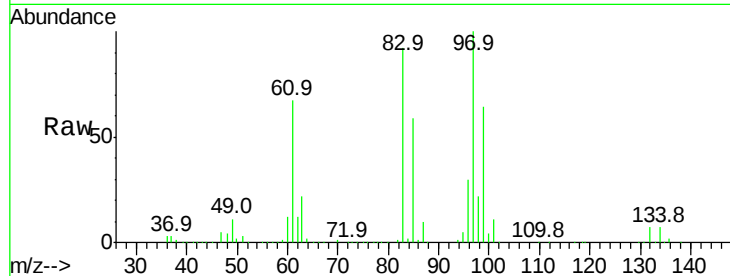




#47
 1,1,2-Trichloroethane
 Concen: 13.09 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

Tgt Ion: 97 Resp: 1175433

Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.2	106.8
85	58.5	45.3	67.9
99	64.0	50.6	76.0



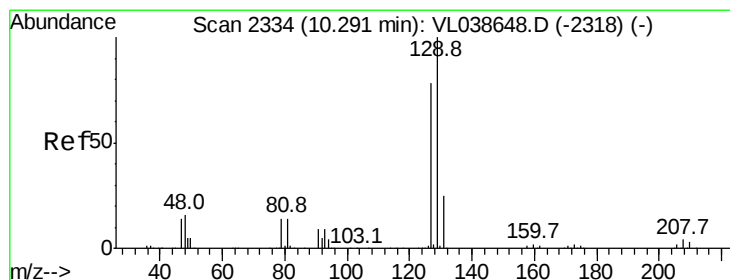
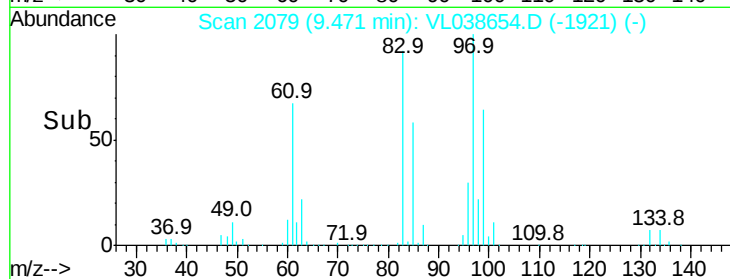
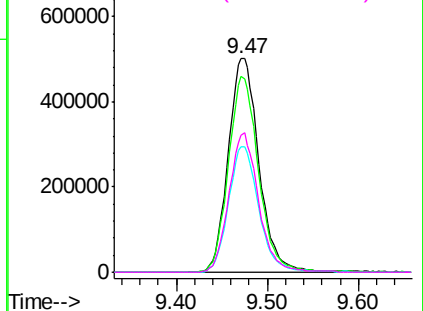
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

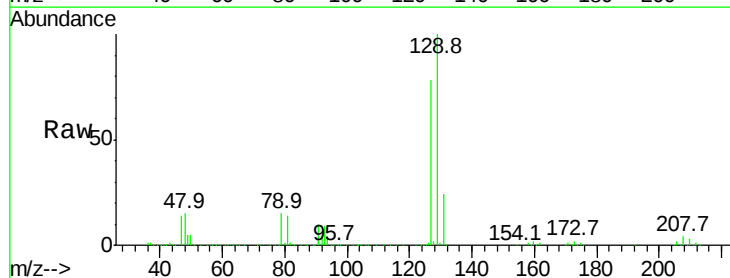
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 14.17 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion: 129 Resp: 2020126

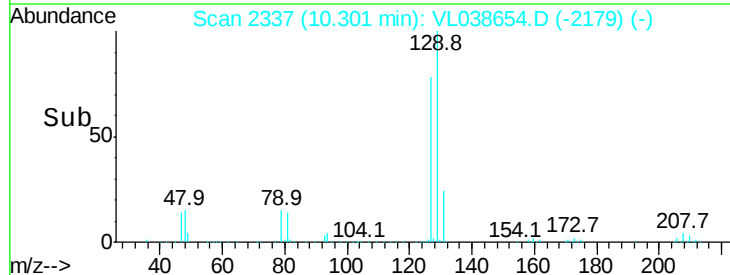
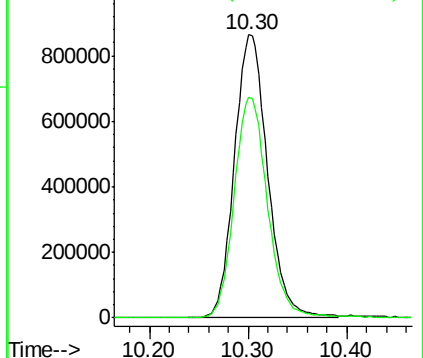
Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.5	118.5

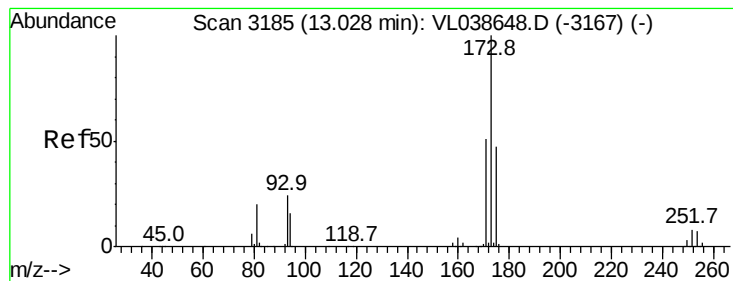


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 15.70 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Mar 2022 16:28

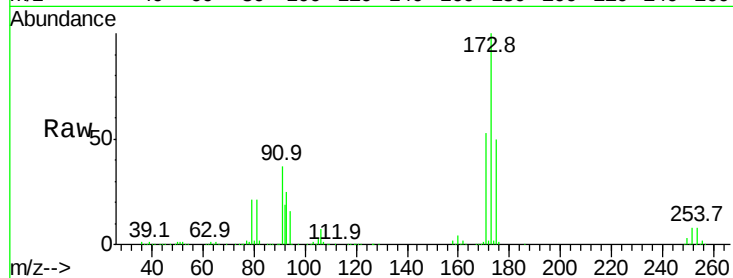
Tgt Ion:173 Resp: 1714380

Ion Ratio Lower Upper

173 100

175 51.1 41.0 61.6

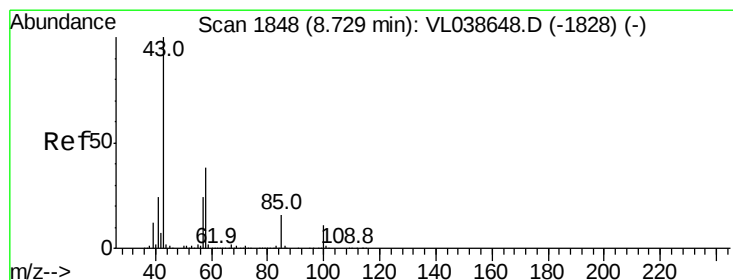
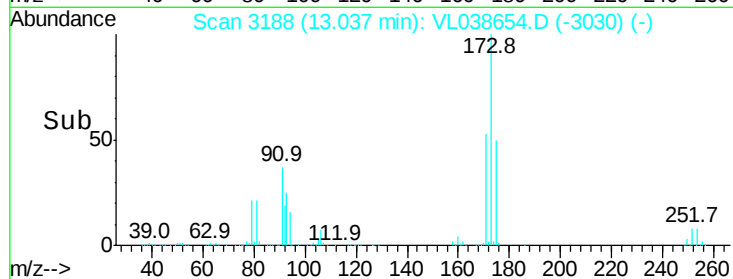
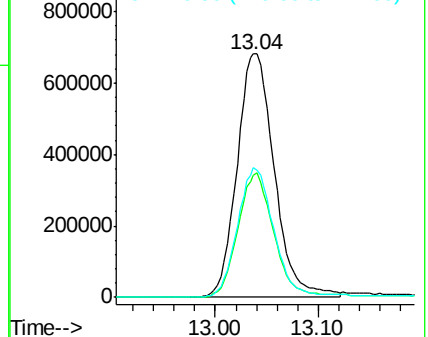
171 53.8 43.1 64.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 21.24 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL038654.D

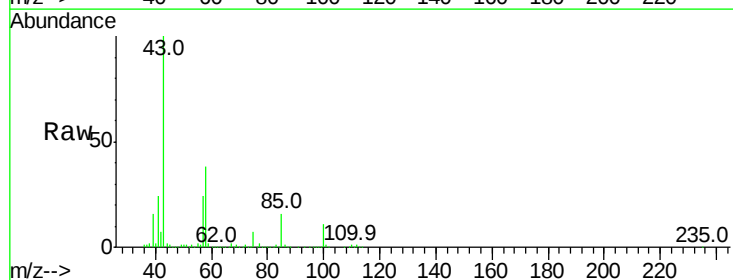
Acq: 21 Mar 2022 16:28

Tgt Ion: 43 Resp: 2864999

Ion Ratio Lower Upper

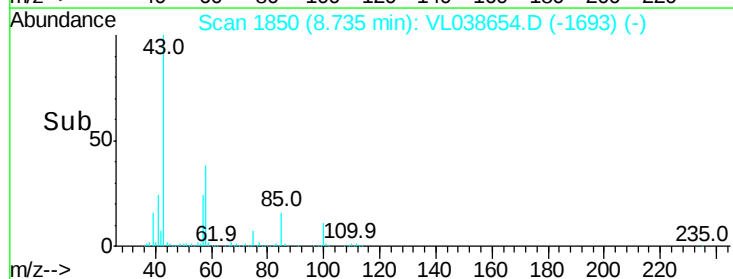
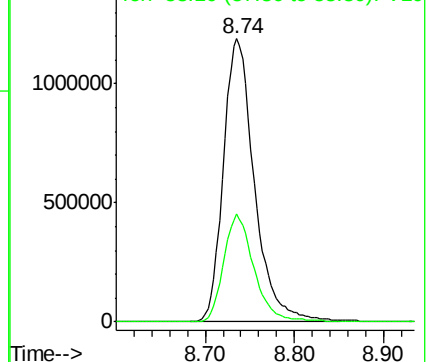
43 100

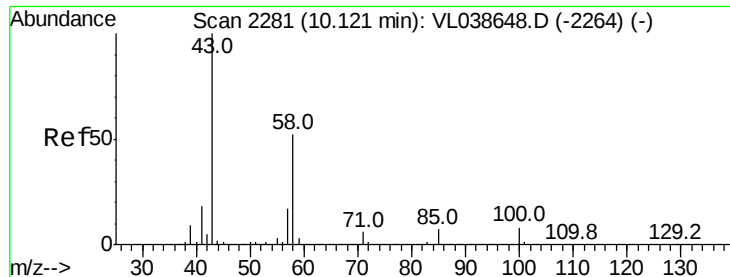
58 37.5 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

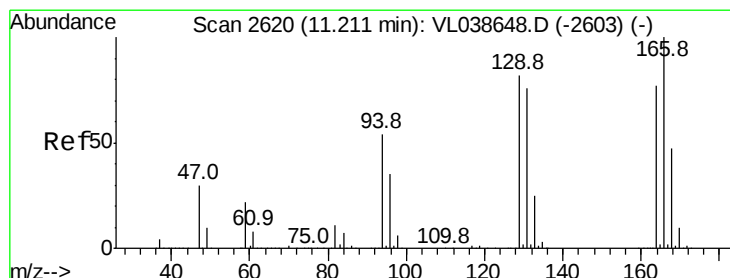
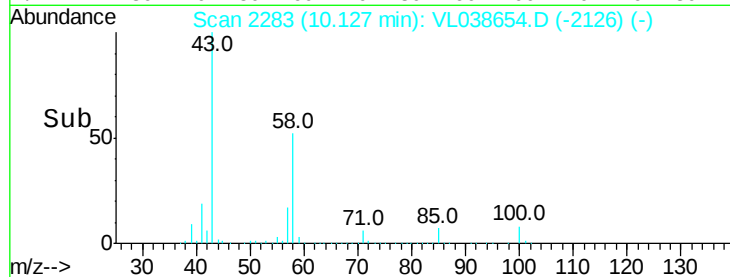
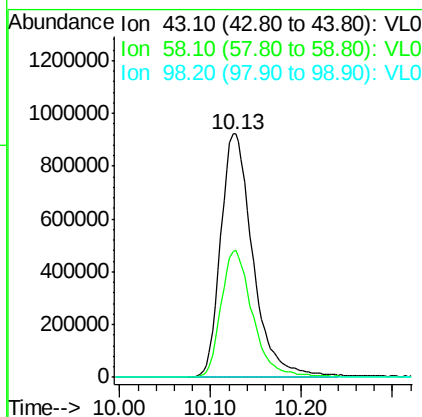
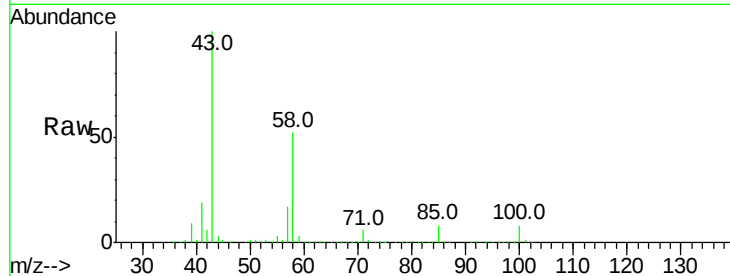
Ion 58.10 (57.80 to 58.80): VL0





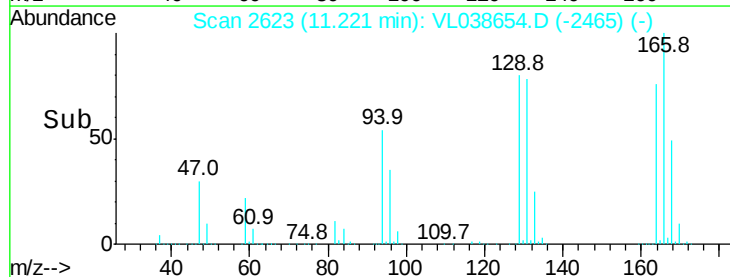
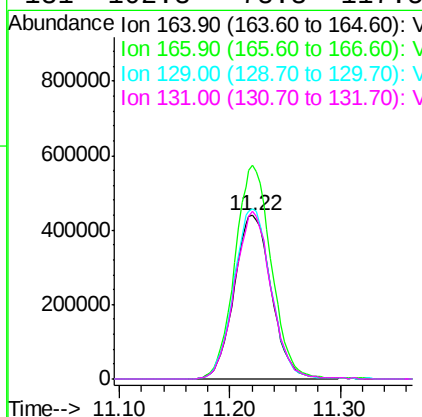
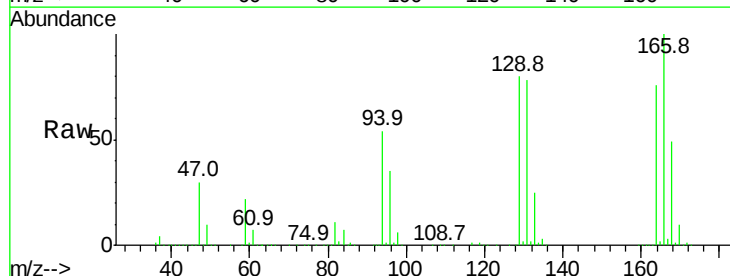
#51
2-Hexanone
Concen: 39.82 ppbv
RT: 10.13
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Mar 2022 16:28

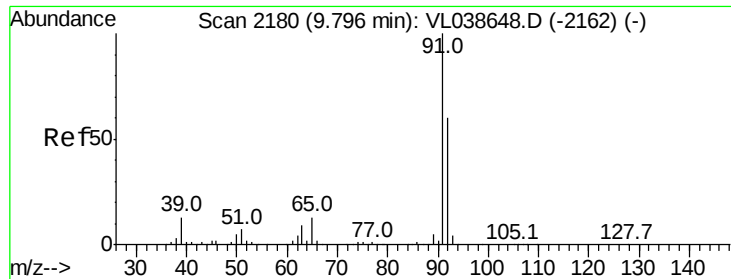
Tgt Ion: 43 Resp: 2269787
Ion Ratio Lower Upper
43 100
58 51.6 41.2 61.8
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 12.22 ppbv
RT: 11.22 min Scan# 2623
Delta R.T.: 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

Tgt Ion: 164 Resp: 1025772
Ion Ratio Lower Upper
164 100
166 130.7 103.3 154.9
129 104.0 85.2 127.8
131 102.3 78.3 117.5





#53

Toluene

Concen: 13.29 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

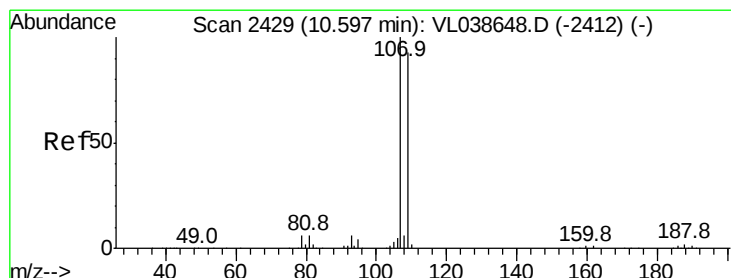
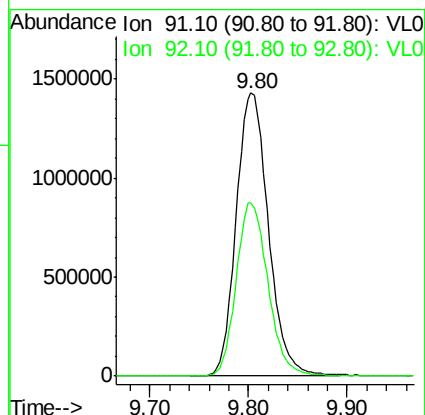
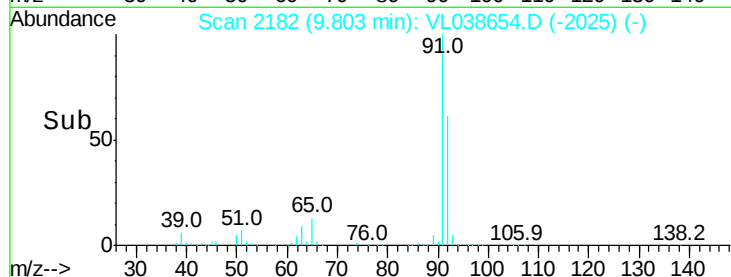
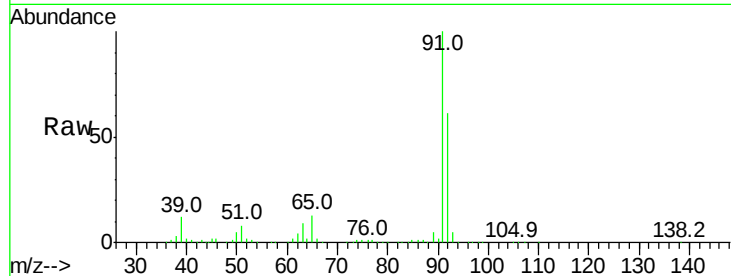
Acq: 21 Mar 2022 16:28

Tgt Ion: 91 Resp: 3249714

Ion Ratio Lower Upper

91 100

92 60.7 48.7 73.1



#54

1,2-Dibromoethane

Concen: 13.52 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VL038654.D

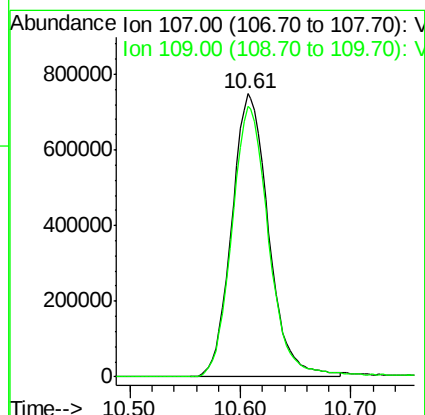
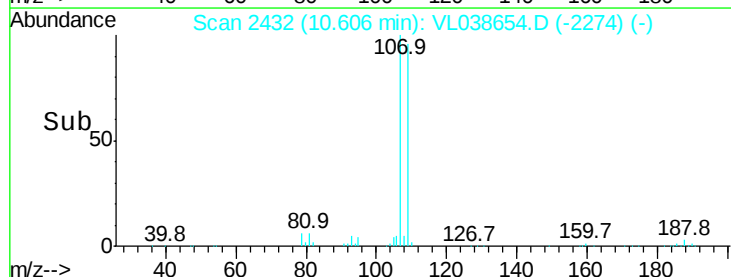
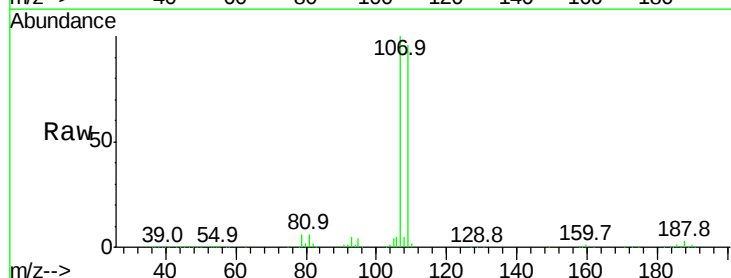
Acq: 21 Mar 2022 16:28

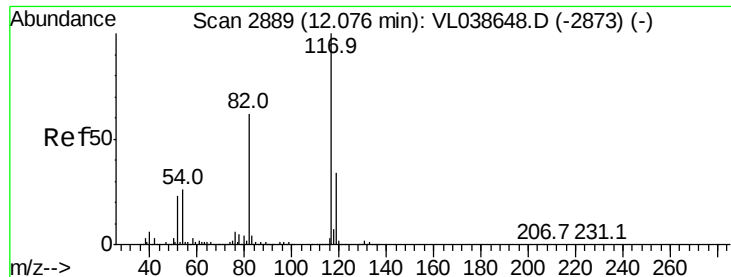
Tgt Ion: 107 Resp: 1735224

Ion Ratio Lower Upper

107 100

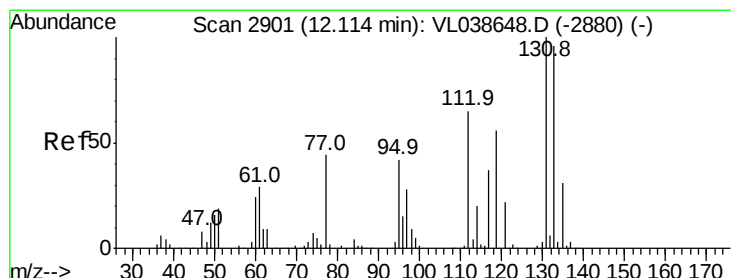
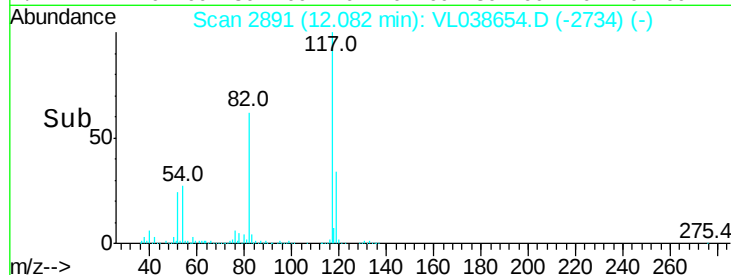
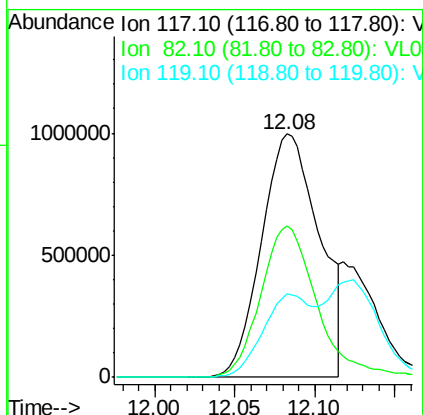
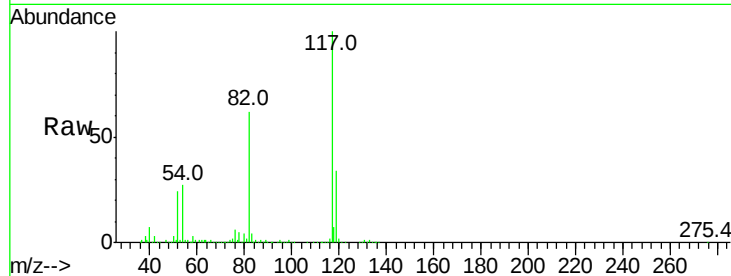
109 95.7 74.1 111.1





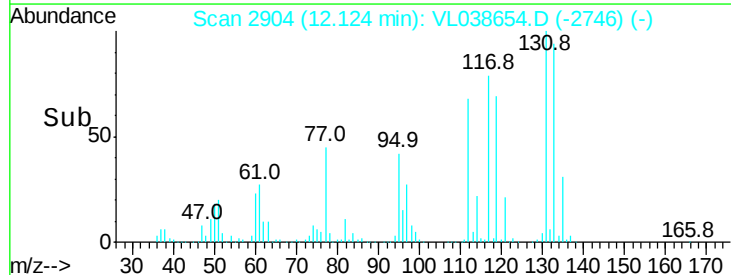
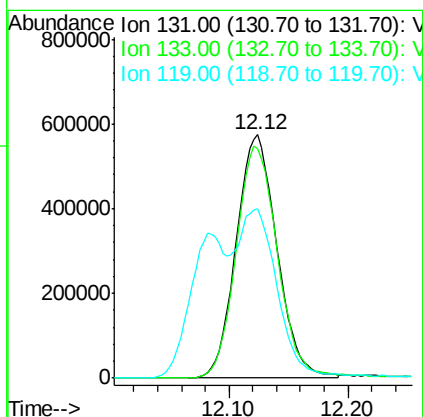
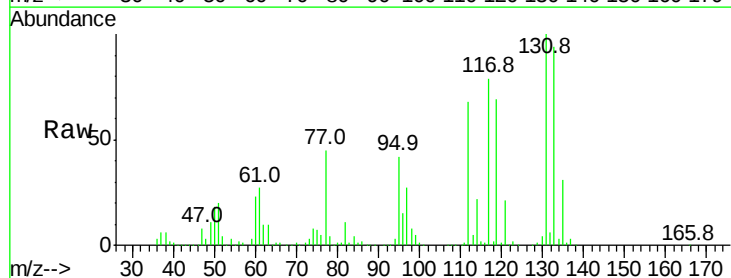
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 21 Mar 2022 16:28

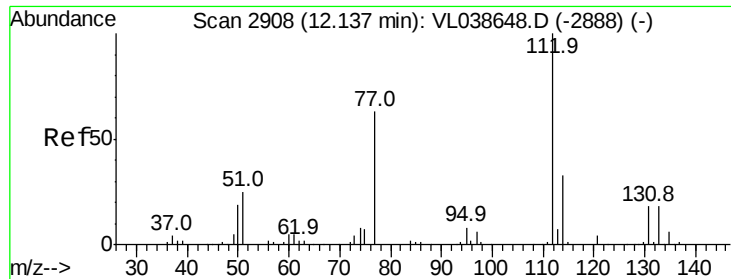
Tgt Ion:117 Resp: 2500523
Ion Ratio Lower Upper
117 100
82 62.2 51.6 77.4
119 27.7 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 13.39 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

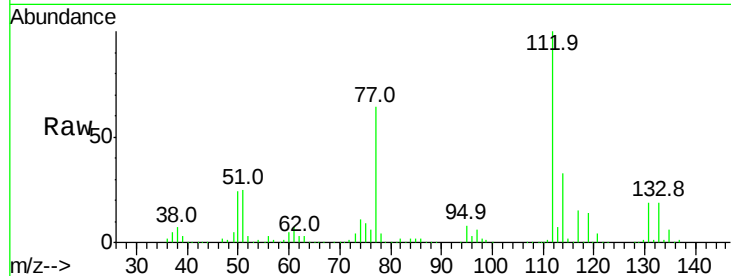
Tgt Ion:131 Resp: 1363870
Ion Ratio Lower Upper
131 100
133 98.4 77.3 115.9
119 125.1 53.0 79.6#



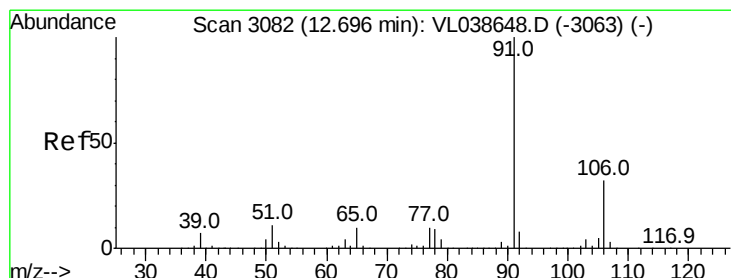
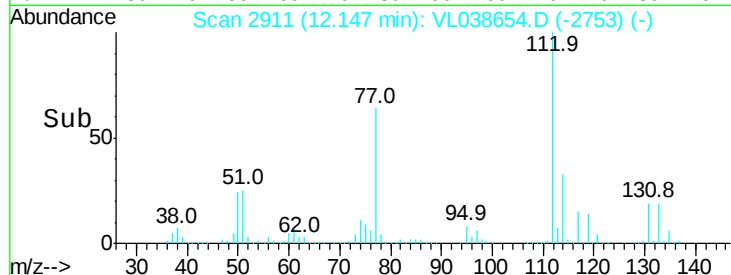
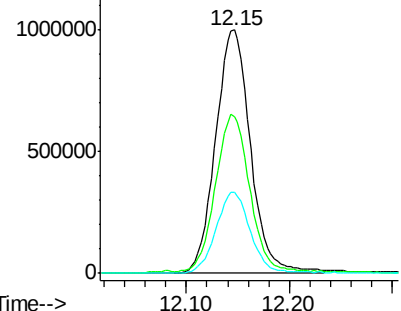


#57
Chlorobenzene
Concen: 12.41 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDIC015
Acq: 21 Mar 2022 16:28

Tgt Ion: 112 Resp: 2369148
Ion Ratio Lower Upper
112 100
77 63.5 51.0 76.6
114 33.4 29.8 36.4

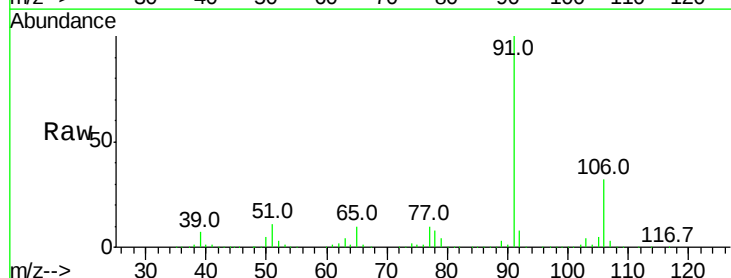


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

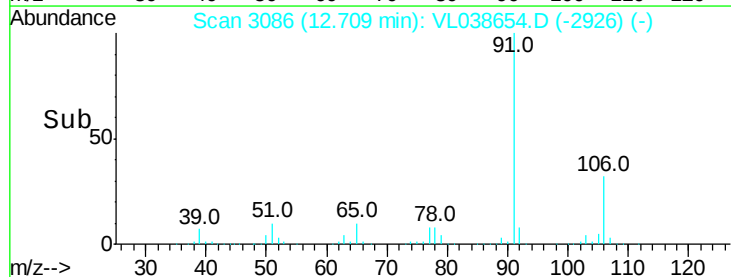
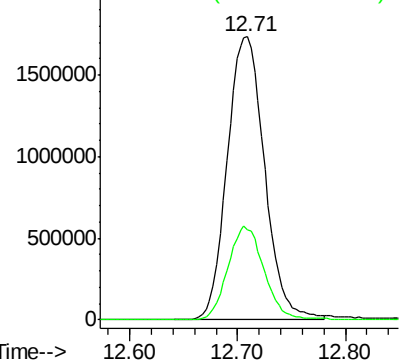


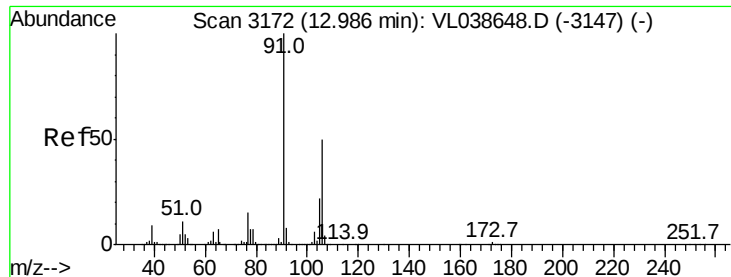
#58
Ethyl Benzene
Concen: 12.96 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

Tgt Ion: 91 Resp: 4196158
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0



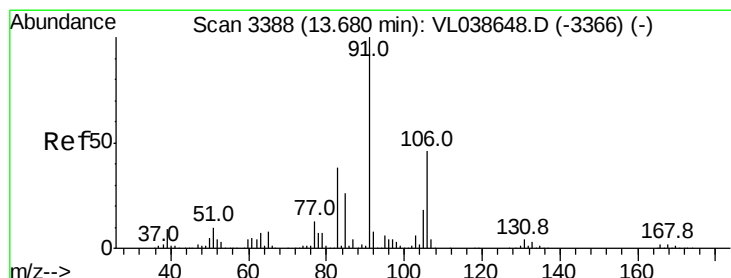
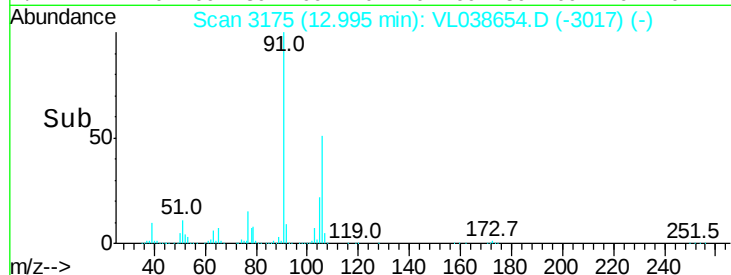
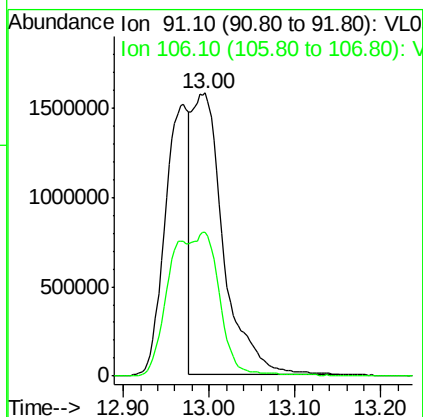
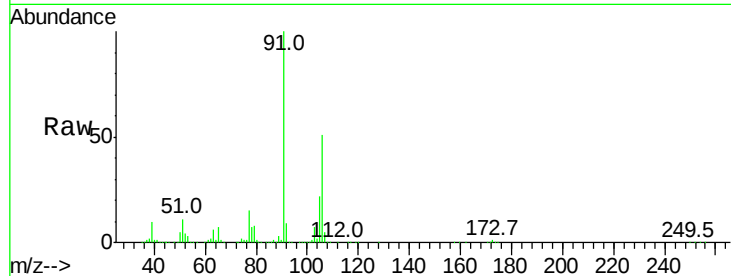
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





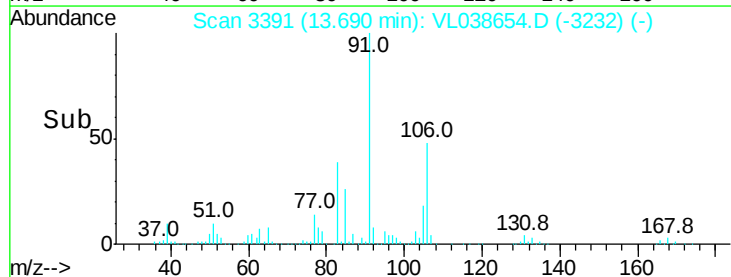
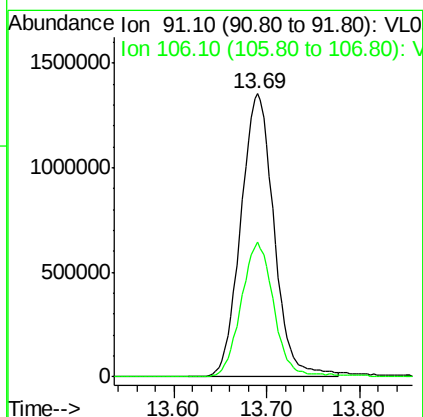
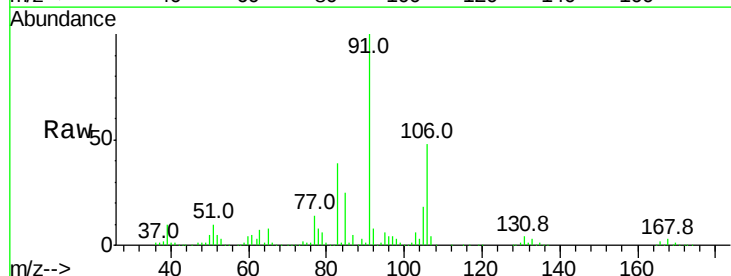
#59
m/p-Xylene
Concen: 14.42 ppbv
RT: 13.00 min
Delta R.T. 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

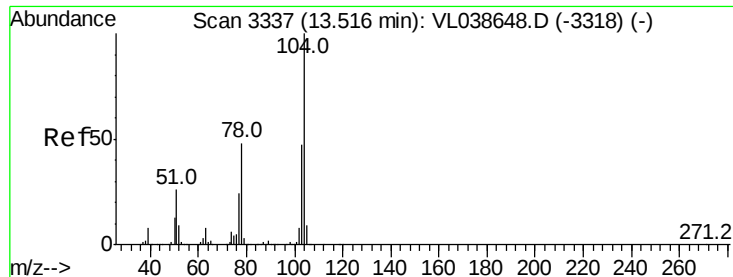
Tgt Ion: 91 Resp: 3997541
Ion Ratio Lower Upper
91 100
106 82.2 37.2 55.8#



#60
o-Xylene
Concen: 12.82 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VL038654.D
Acq: 21 Mar 2022 16:28

Tgt Ion: 91 Resp: 3355432
Ion Ratio Lower Upper
91 100
106 47.5 23.5 70.5





#61

Styrene

Concen: 16.68 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 16:28

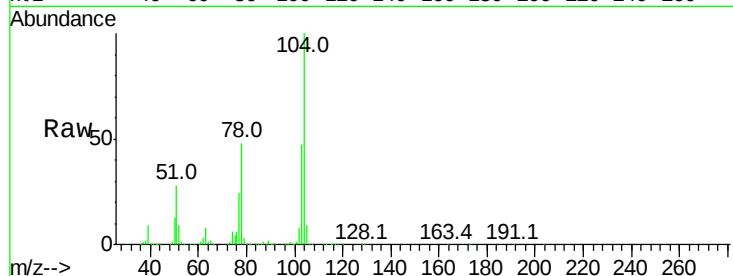
Tgt Ion:104 Resp: 2151610

Ion Ratio Lower Upper

104 100

78 48.5 39.0 58.4

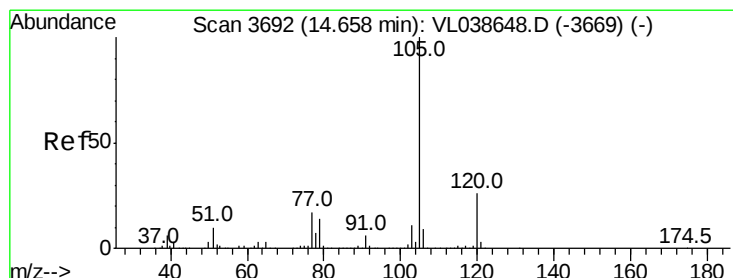
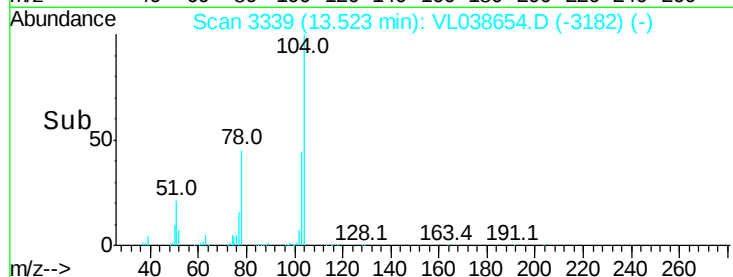
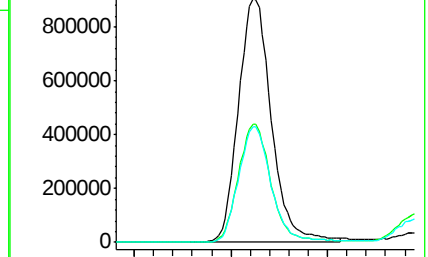
103 47.5 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 13.71 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.01 min

Lab File: VL038654.D

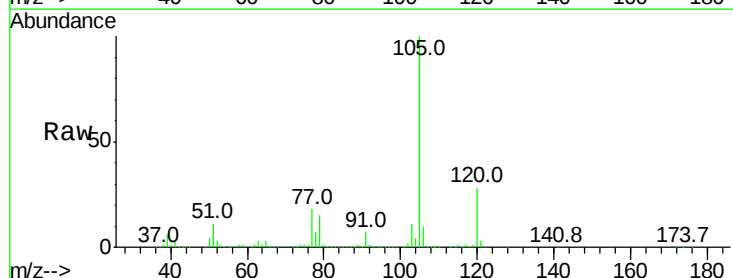
Acq: 21 Mar 2022 16:28

Tgt Ion:105 Resp: 4949854

Ion Ratio Lower Upper

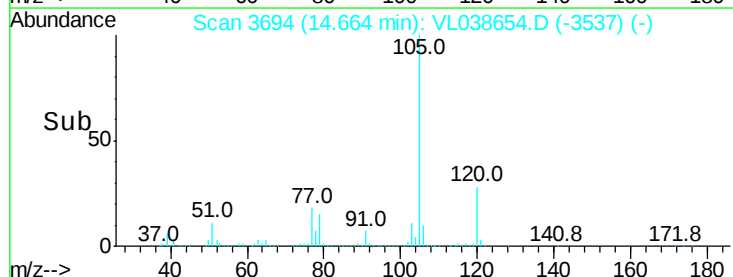
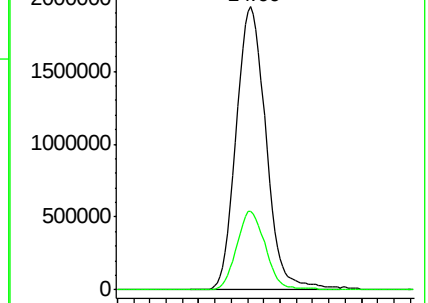
105 100

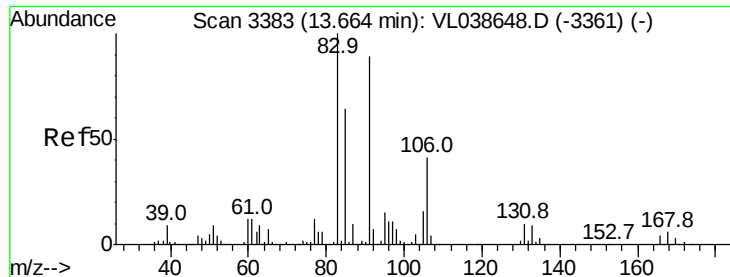
120 27.1 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

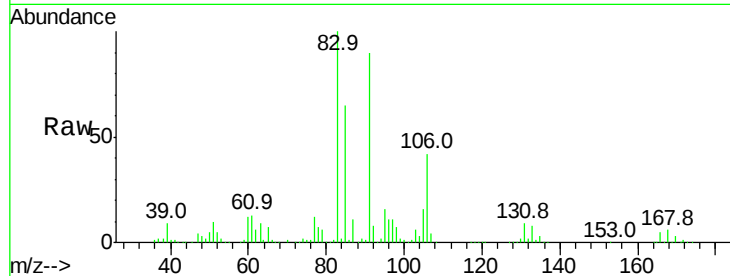
Ion 120.20 (119.90 to 120.90): V



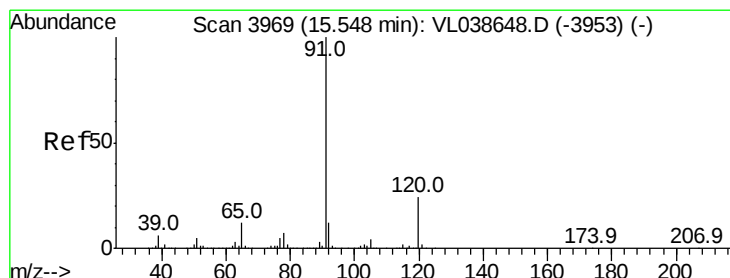
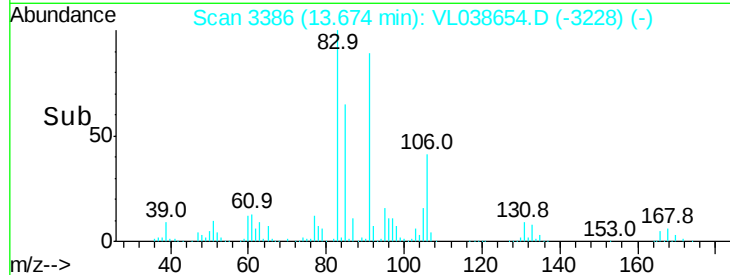
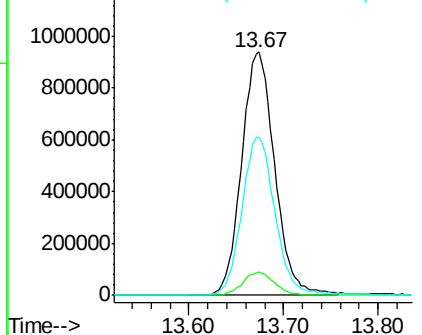


#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.31 ppbv
 RT: 13.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

Tgt Ion: 83 Resp: 2280677
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 65.9 32.6 97.8

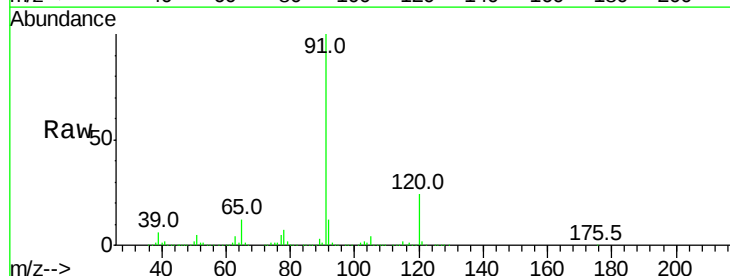


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

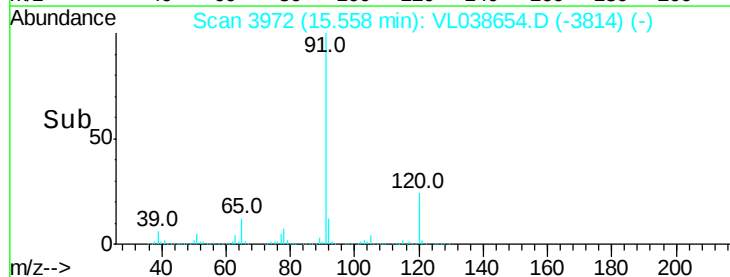
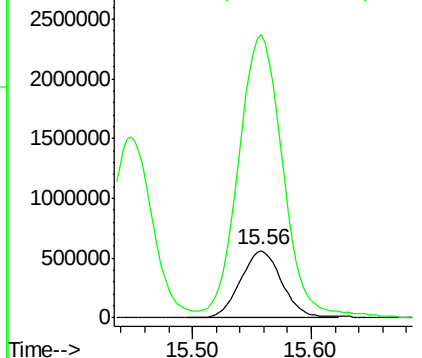


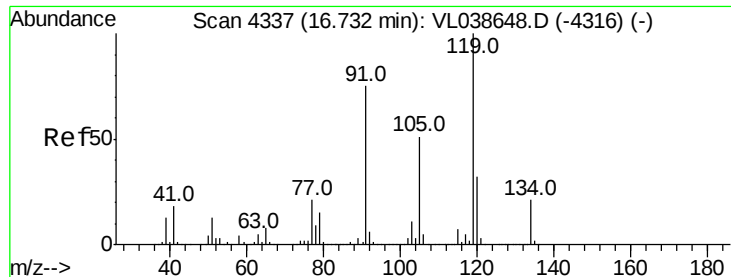
#64
 n-propylbenzene
 Concen: 14.73 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion:120 Resp: 1355564
 Ion Ratio Lower Upper
 120 100
 91 454.3 368.0 552.0



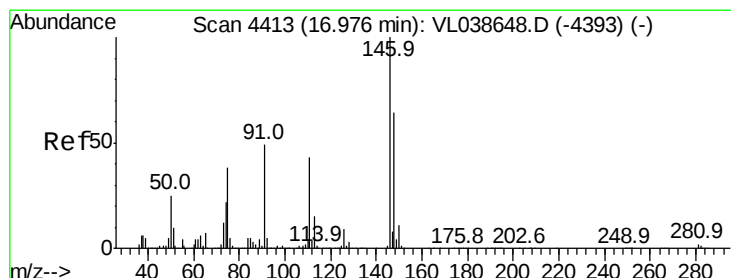
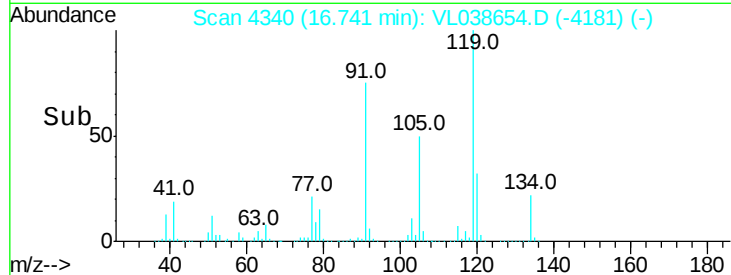
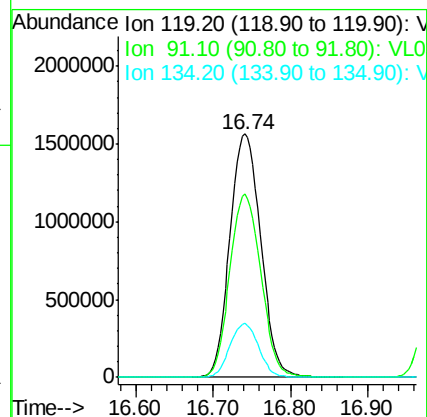
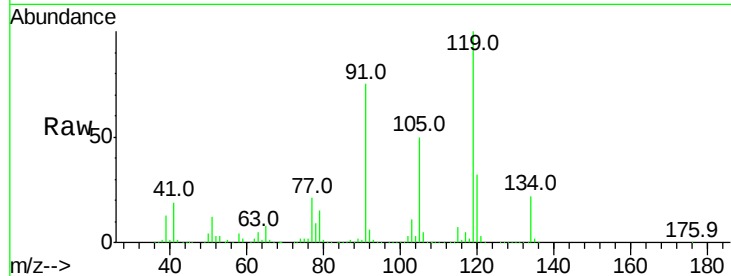
Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0





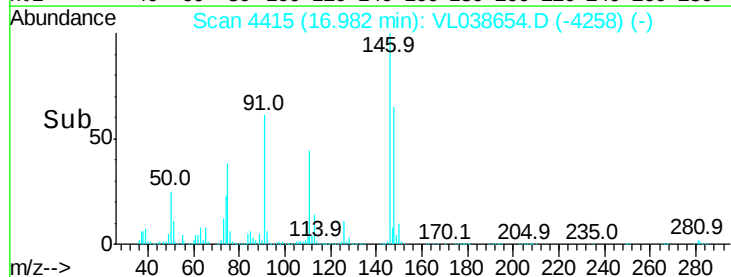
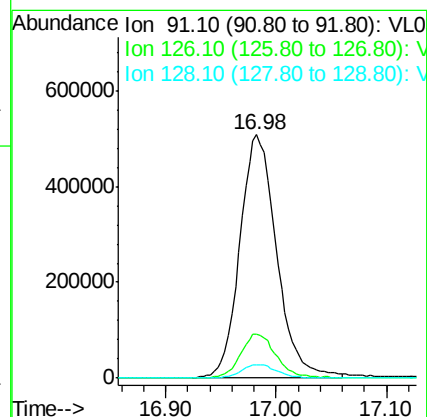
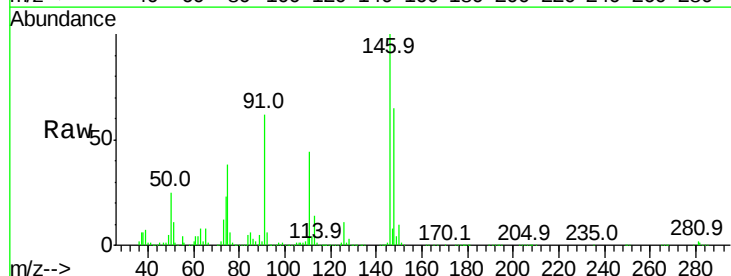
#65
 tert-Butylbenzene
 Concen: 13.43 ppbv
 RT: 16.74 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

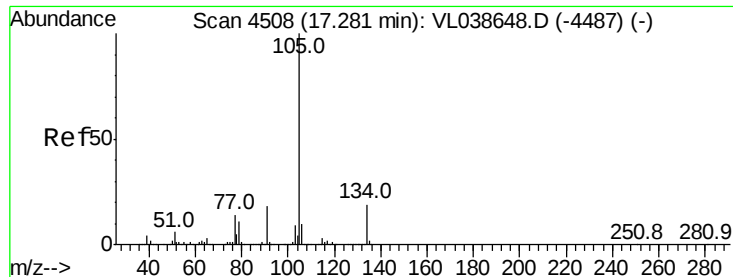
Tgt Ion: 119 Resp: 4338083
 Ion Ratio Lower Upper
 119 100
 91 75.9 61.2 91.8
 134 20.7 16.3 24.5



#66
 Benzyl Chloride
 Concen: 60.92 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

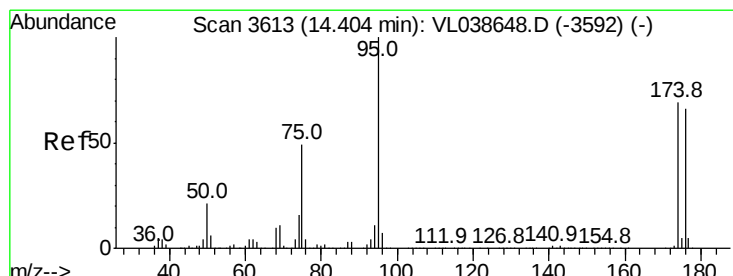
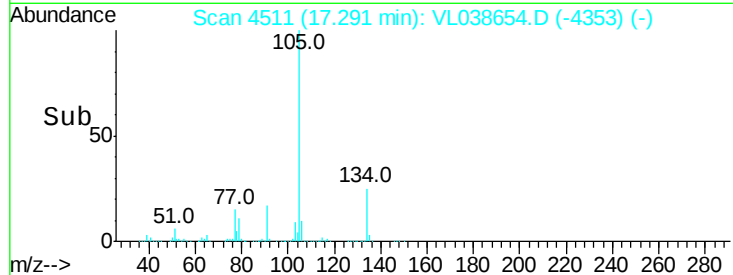
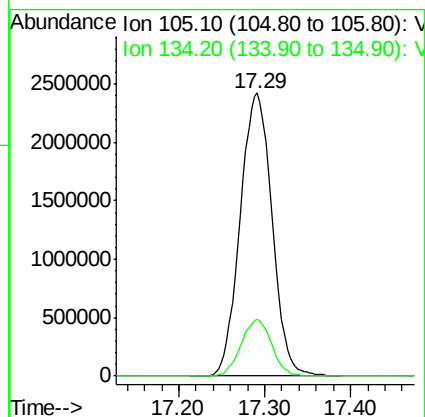
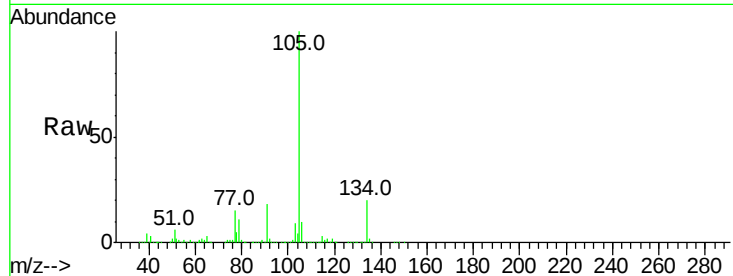
Tgt Ion: 91 Resp: 1165836
 Ion Ratio Lower Upper
 91 100
 126 17.8 14.3 21.5
 128 5.6 4.6 6.8





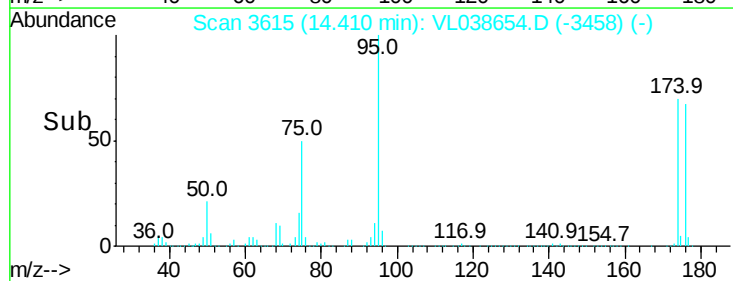
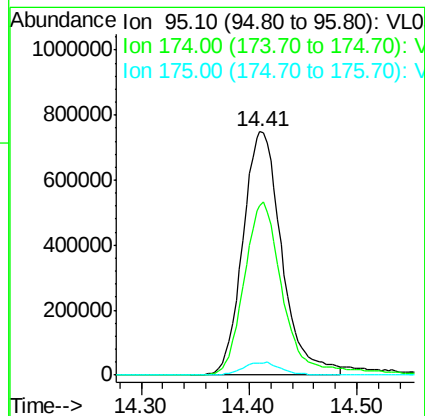
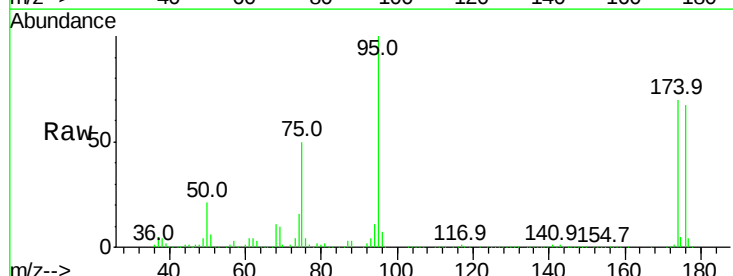
#67
 sec-Butylbenzene
 Concen: 13.57 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 21 Mar 2022 16:28

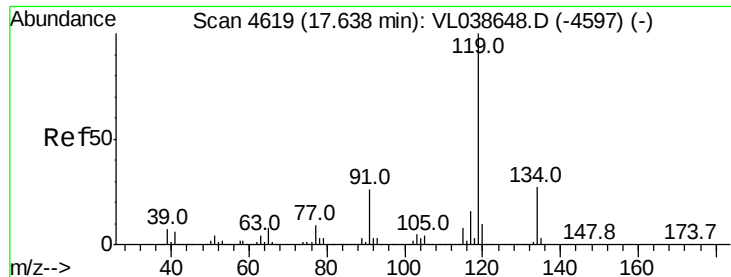
Tgt Ion: 105 Resp: 6227259
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.89 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion: 95 Resp: 1880728
 Ion Ratio Lower Upper
 95 100
 174 72.0 56.1 84.1
 175 5.4 4.2 6.2

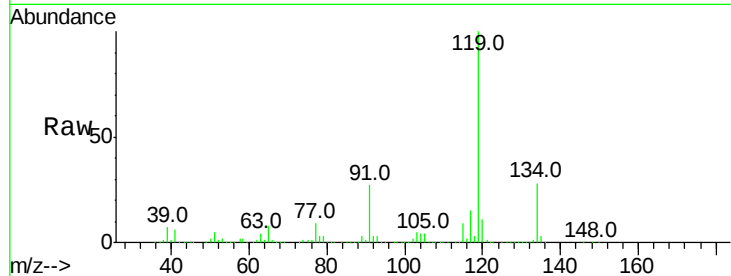




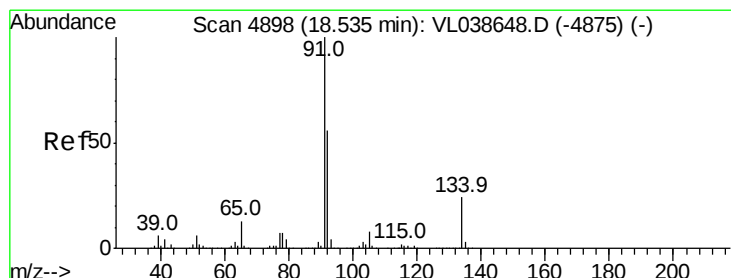
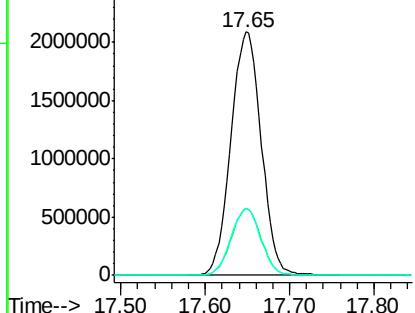
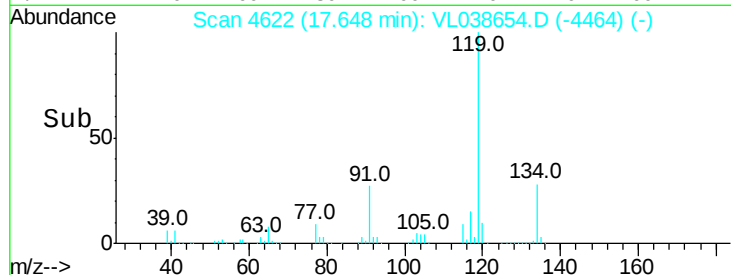
#69
 p-Isopropyltoluene
 Concen: 13.76 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

Tgt Ion: 119 Resp: 5232353

Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.2	31.8
91	26.9	21.4	32.2



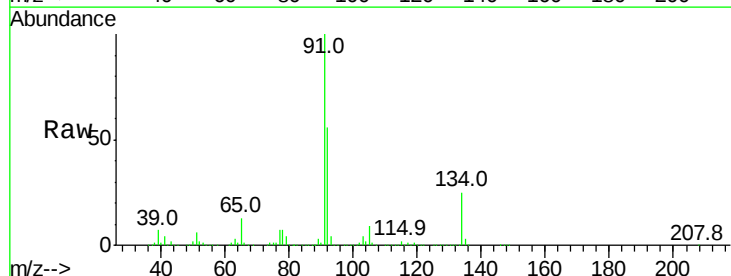
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



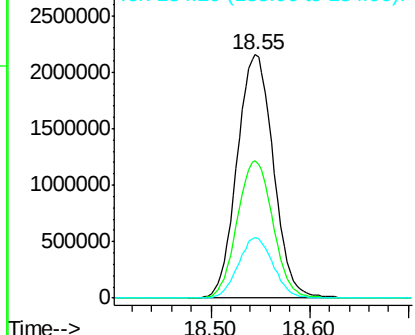
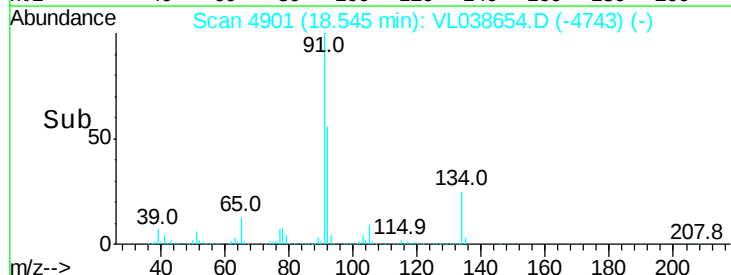
#70
 n-Butylbenzene
 Concen: 13.52 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T.: 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

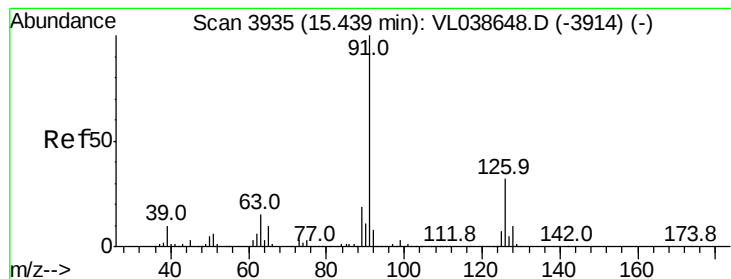
Tgt Ion: 91 Resp: 5476609

Ion	Ratio	Lower	Upper
91	100		
92	56.0	43.9	65.9
134	24.1	18.7	28.1



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





#71

2-Chlorotoluene

Concen: 14.02 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

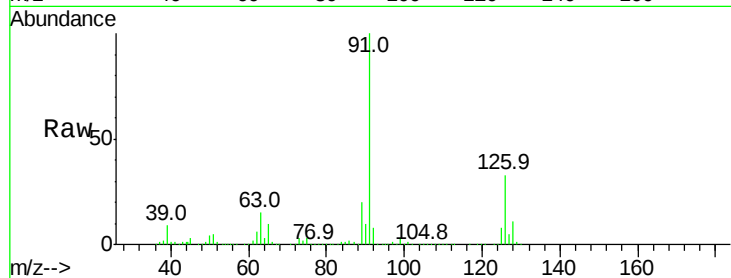
Acq: 21 Mar 2022 16:28

Tgt Ion: 91 Resp: 3760355

Ion Ratio Lower Upper

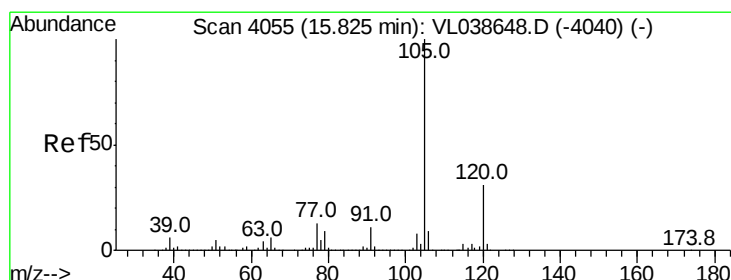
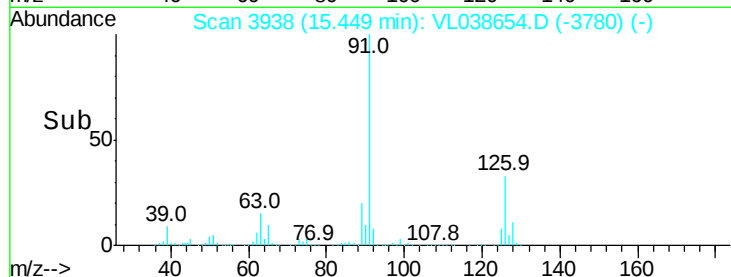
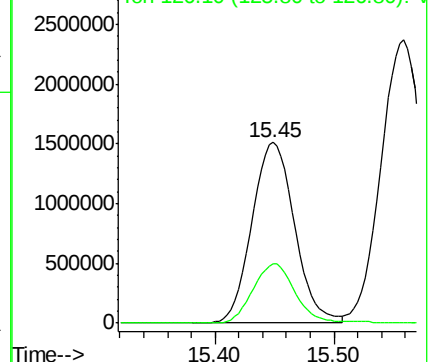
91 100

126 33.2 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 14.09 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

Tgt Ion: 105 Resp: 4235114

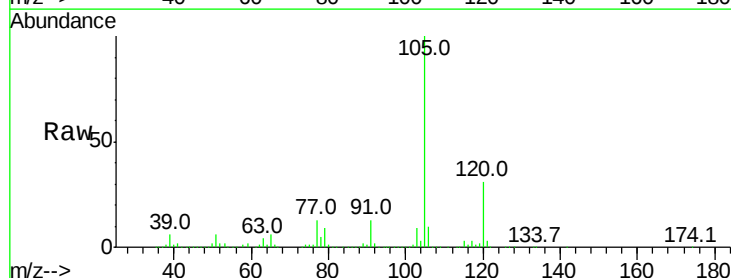
Ion Ratio Lower Upper

105 100

120 30.6 24.9 37.3

91 11.8 9.8 14.6

77 13.1 10.6 16.0

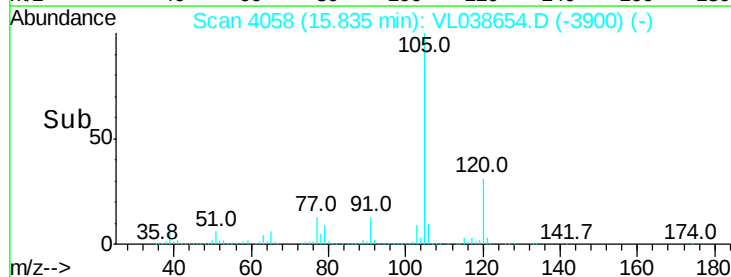
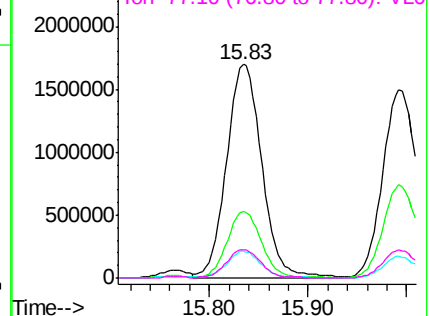


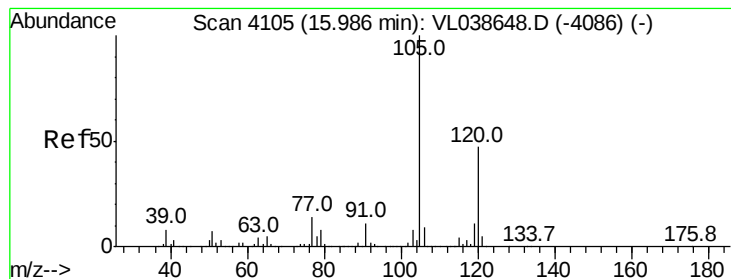
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 13.30 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

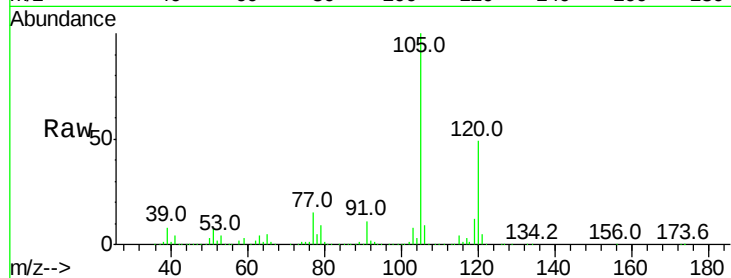
Acq: 21 Mar 2022 16:28

Tgt Ion:105 Resp: 3710859

Ion Ratio Lower Upper

105 100

120 49.5 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

1500000

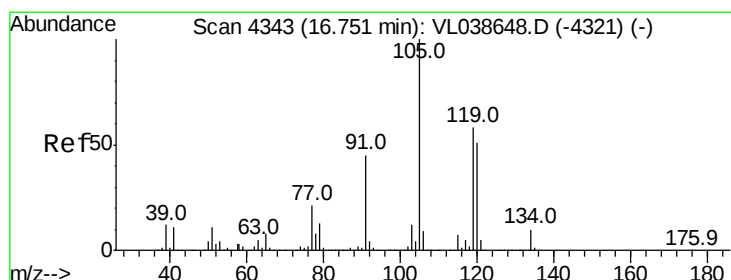
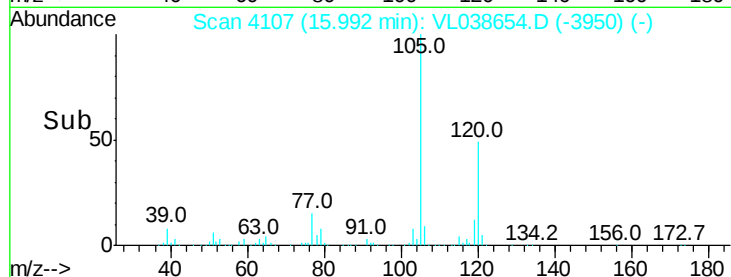
1000000

500000

0

Time-->

15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 12.76 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

Tgt Ion:105 Resp: 3804607

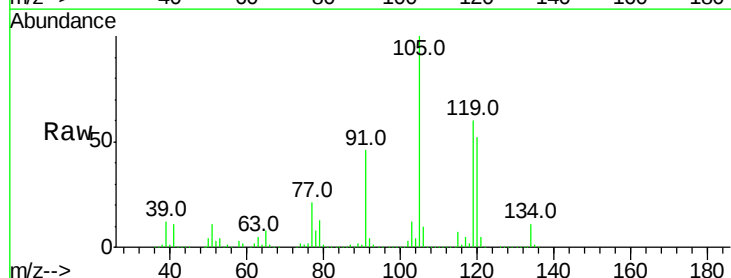
Ion Ratio Lower Upper

105 100

120 52.0 40.5 60.7

91 45.9 35.9 53.9

77 21.2 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

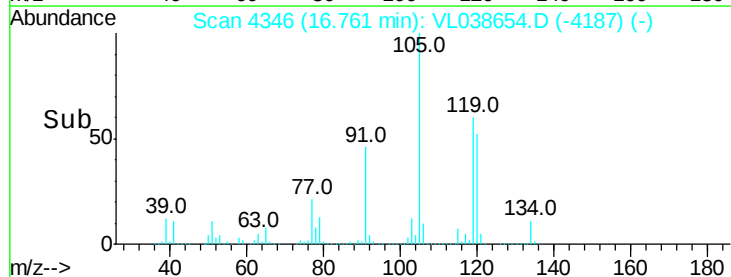
1000000

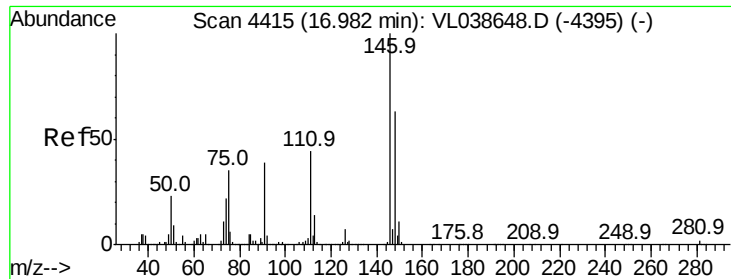
500000

0

Time-->

16.60 16.70 16.80 16.90

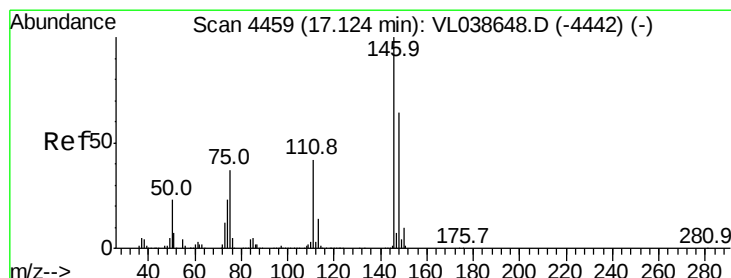
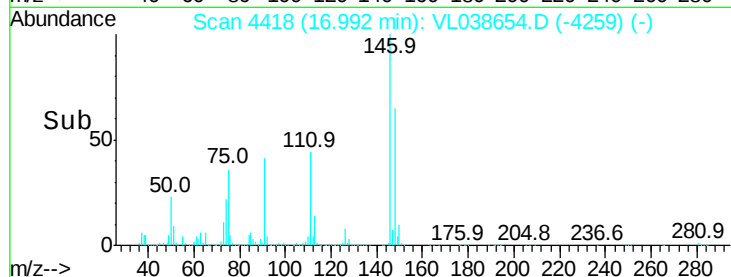
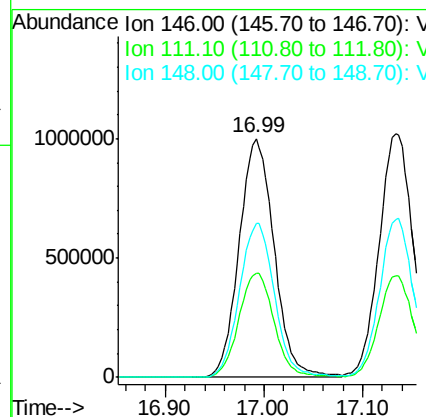
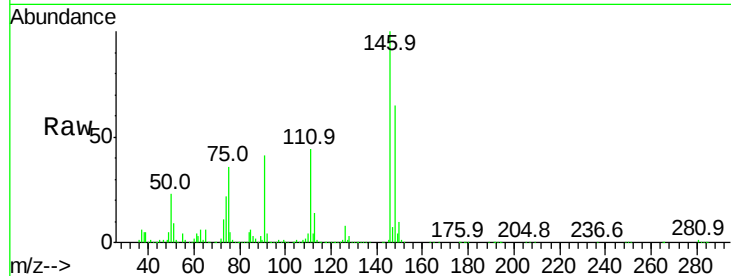




#75
 1,3-Dichlorobenzene
 Concen: 13.11 ppbv
 RT: 16.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDIC015
 Acq: 21 Mar 2022 16:28

Tgt Ion:146 Resp: 2466494

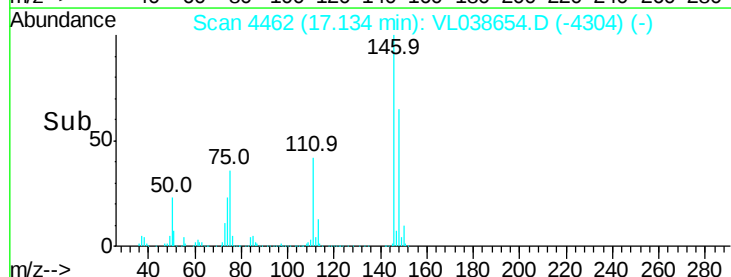
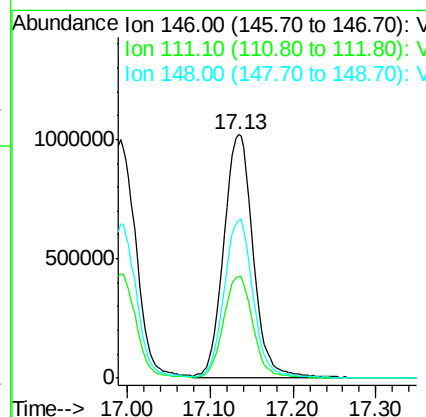
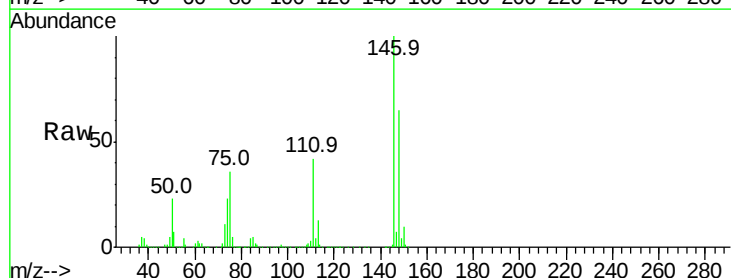
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.6	32.5	97.5

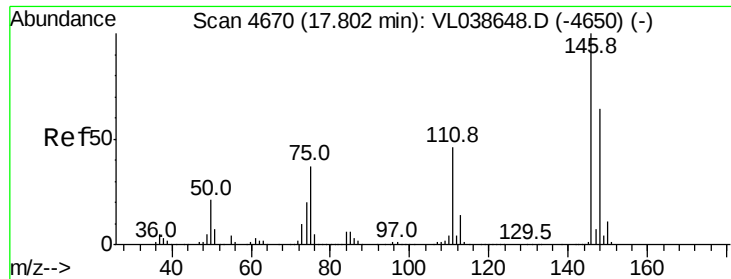


#76
 1,4-Dichlorobenzene
 Concen: 13.40 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T.: 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion:146 Resp: 2497572

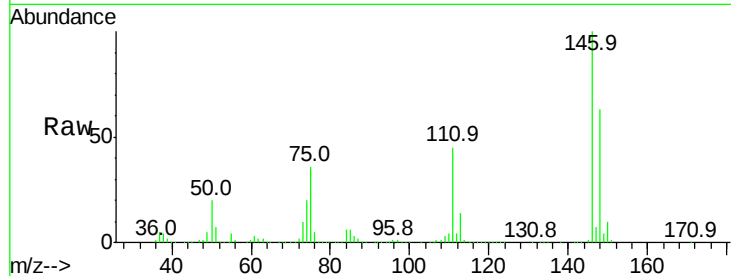
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.2
148	64.9	32.1	96.3



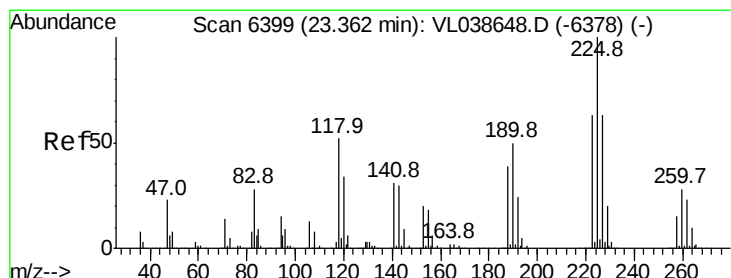
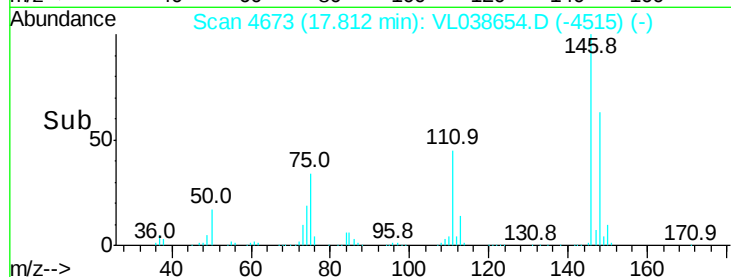
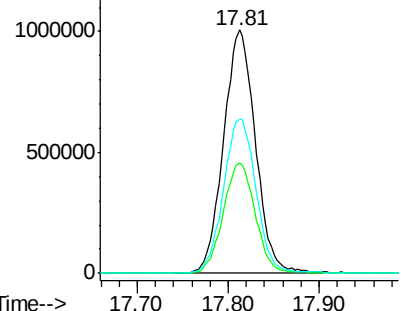


#77
 1,2-Dichlorobenzene
 Concen: 12.85 ppbv
 RT: 17.81 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 21 Mar 2022 16:28

Tgt Ion:146 Resp: 2446165
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.8 68.4
 148 64.8 32.5 97.4

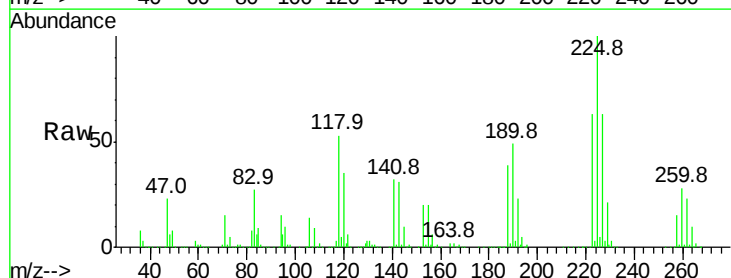


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

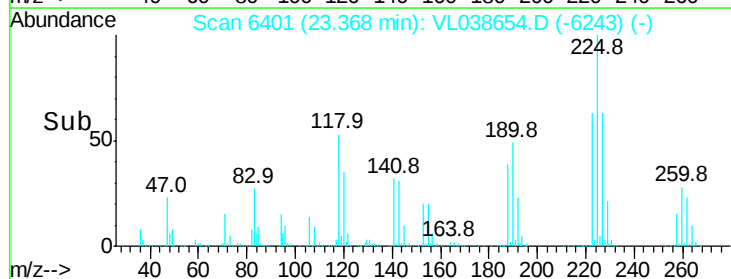
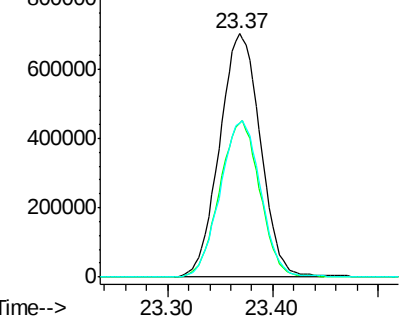


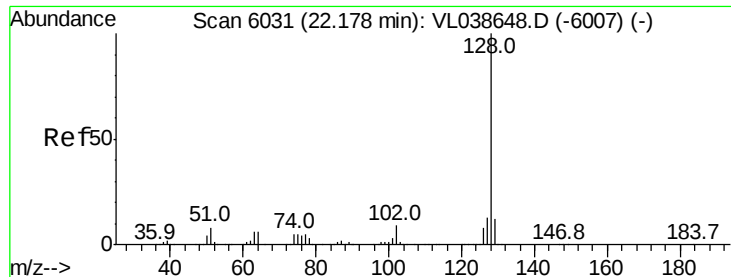
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.16 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL038654.D
 Acq: 21 Mar 2022 16:28

Tgt Ion:225 Resp: 1886146
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.0 76.6
 227 64.3 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 14.33 ppbv

RT: 22.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 16:28

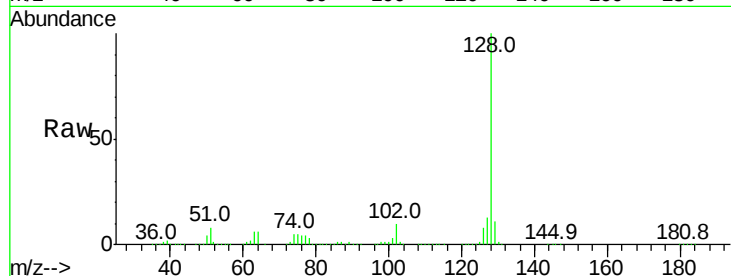
Tgt Ion:128 Resp: 3842797

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

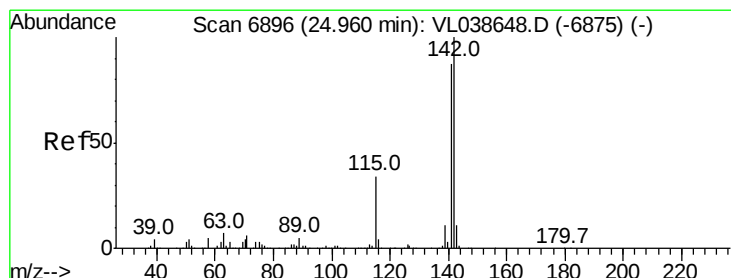
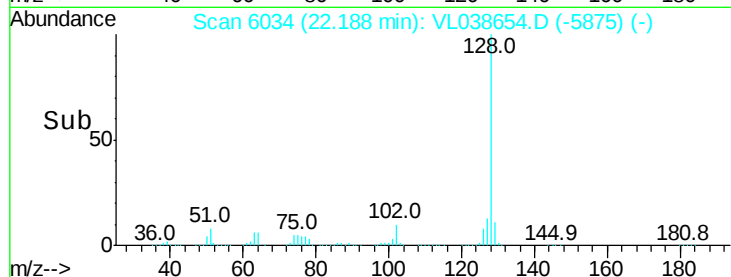
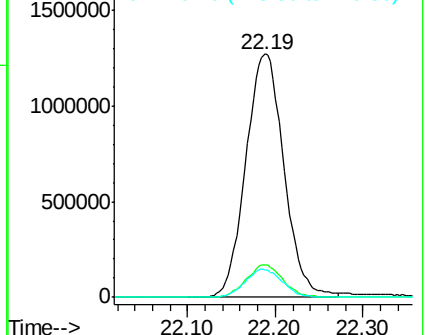
129 11.2 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 21.68 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL038654.D

Acq: 21 Mar 2022 16:28

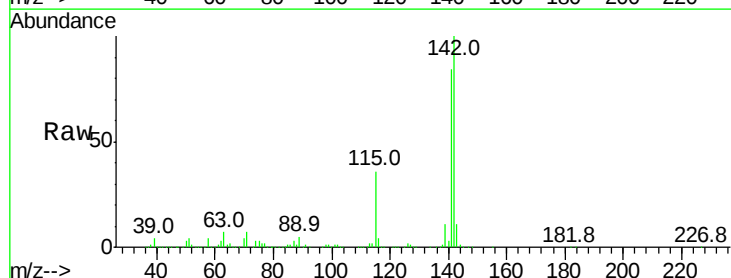
Tgt Ion:142 Resp: 1026520

Ion Ratio Lower Upper

142 100

141 87.2 66.4 99.6

115 36.5 27.8 41.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

