

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038963.D
 Acq On : 5 May 2022 6:34
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: May 05 07:24:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1281623	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3074026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3968757	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2288785	7.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	72.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2350057	11.343	ppbv	99
3) Chlorodifluoromethane	2.99	51	2223551	9.854	ppbv	98
4) Chloromethane	3.14	50	1110928	13.254	ppbv	97
5) Vinyl Chloride	3.26	62	1094973	12.777	ppbv	99
6) Bromomethane	3.47	94	531697	11.624	ppbv	98
7) Chloroethane	3.56	64	381123	13.024	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2611435	13.262	ppbv	97
9) Propene	3.01	41	957714	12.942	ppbv	96
10) Heptane	8.11	43	2456102	12.960	ppbv	100
11) Trichlorofluoromethane	3.95	101	2531766	12.282	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1799568	13.504	ppbv	99
13) Ethanol	3.61	45	25937	3.200	ppbv #	42
14) Bromoethene	3.74	108	778472	14.038	ppbv	97
15) Acetone	3.84	43	1778910	14.050	ppbv	100
16) 1,3-Butadiene	3.33	39	1021935	12.113	ppbv	100
17) tert-Butyl alcohol	4.28	59	1495910	14.035	ppbv	100
18) 1,1-Dichloroethene	4.29	96	797819	13.549	ppbv	98
19) Isopropyl Alcohol	3.95	45	933768	13.822	ppbv #	98
20) Methylene Chloride	4.34	84	652294	11.438	ppbv	98
21) Allyl Chloride	4.41	41	1328396	13.689	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	871656	15.618	ppbv	97
23) Vinyl Acetate	5.07	43	1518305	7.897	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1658464	11.196	ppbv	98
25) Ethyl Acetate	5.67	43	4233637	14.121	ppbv	100
26) Hexane	5.68	57	1830880	13.402	ppbv	98
27) Carbon Disulfide	4.55	76	2086321	15.488	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1536339	10.179	ppbv	100
29) Chloroform	5.74	83	3008964	13.557	ppbv	99
30) Cyclohexane	7.12	84	1541446	13.929	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1970205	14.760	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	3099050	13.866	ppbv	99
34) 2-Butanone	5.24	43	2225636	14.586	ppbv	99
35) Carbon Tetrachloride	7.01	117	3176214	13.475	ppbv	96
36) Benzene	6.88	78	3724619	13.281	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2525002	15.040	ppbv	99
38) Trichloroethene	7.83	130	1609920	14.336	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1494174	13.151	ppbv	96
40) 1,4-Dioxane	7.82	88	428119	14.681	ppbv #	54
41) Tetrahydrofuran	6.04	42	1589217	20.968	ppbv	98
42) Bromodichloromethane	7.78	83	3410759	14.948	ppbv	99
43) Methyl Methacrylate	8.00	69	1606737	16.605	ppbv	99

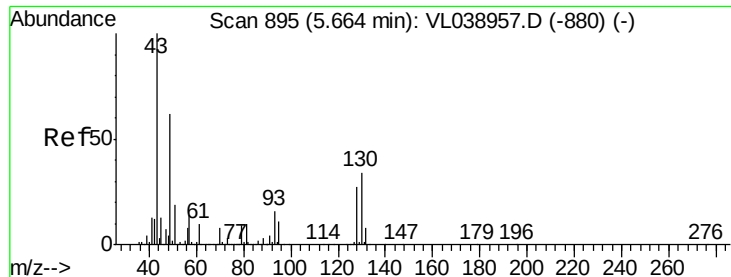
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6258549	12.617	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1938782	17.670	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	2318427	16.631	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1530993	13.242	ppbv	97
48) Dibromochloromethane	10.29	129	2705427	15.218	ppbv	99
49) Bromoform	13.03	173	2096404	14.736	ppbv	96
50) 4-Methyl-2-Pentanone	8.73	43	4001752	17.544	ppbv	97
51) 2-Hexanone	10.12	43	3320718	25.720	ppbv #	100
52) Tetrachloroethene	11.21	164	1280252	12.364	ppbv	98
53) Toluene	9.80	91	4263520	14.236	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2203779	13.534	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1834964	10.265	ppbv #	71
57) Chlorobenzene	12.13	112	3050179	9.188	ppbv	98
58) Ethyl Benzene	12.70	91	5722884	10.030	ppbv	99
59) m/p-Xylene	12.99	91	5629790	11.283	ppbv #	49
60) o-Xylene	13.68	91	4628501	9.601	ppbv	100
61) Styrene	13.52	104	2669477	11.113	ppbv	98
62) Isopropylbenzene	14.65	105	6761124	10.299	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2595696	7.184	ppbv	98
64) n-propylbenzene	15.55	120	1677207	10.475	ppbv	98
65) tert-Butylbenzene	16.73	119	5633670	9.884	ppbv	99
66) Benzyl Chloride	16.97	91	1186623	17.019	ppbv	99
67) sec-Butylbenzene	17.28	105	8042944	9.940	ppbv	99
69) p-Isopropyltoluene	17.64	119	6697646	10.591	ppbv	99
70) n-Butylbenzene	18.54	91	7295169	11.003	ppbv	99
71) 2-Chlorotoluene	15.44	91	5057674	10.242	ppbv	99
72) 4-Ethyltoluene	15.82	105	5311996	10.037	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4935036	10.005	ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	5133602	9.639	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	2924544	9.805	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2843707	9.567	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2842653	10.066	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2372166	9.333	ppbv	99
79) Naphthalene	22.17	128	5312499	16.179	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1975124	27.563	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2743825	13.764	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

Acq: 5 May 2022 8:34

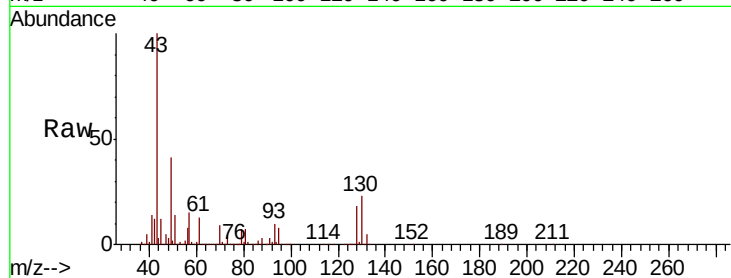
Tot Ion: 49 Resp: 1281623

Ion	Ratio	Lower	Upper
49	100		
128	45.6	23.3	69.8
130	59.3	29.8	89.3

49 100

128 45.6 23.3 69.8

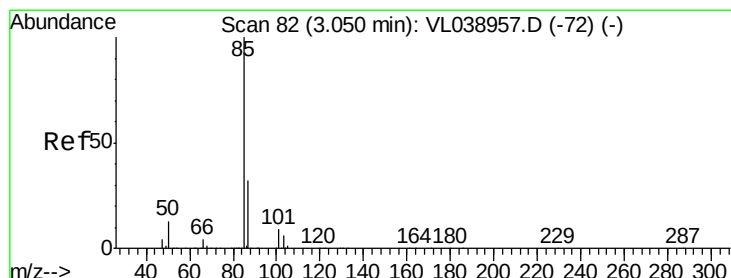
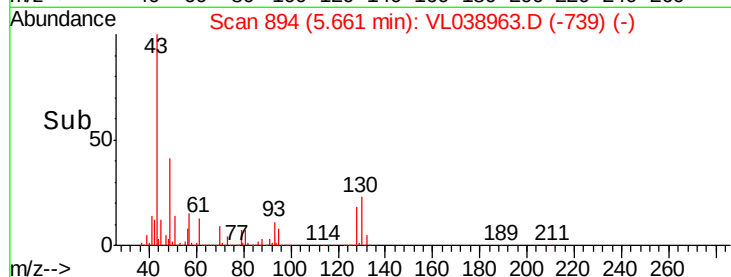
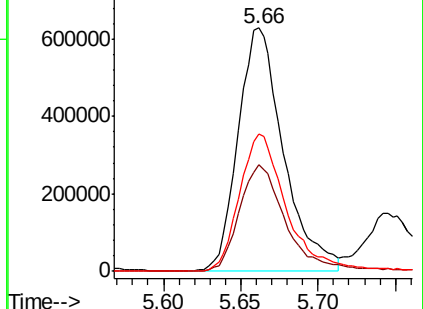
130 59.3 29.8 89.3



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: 11.343 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038963.D

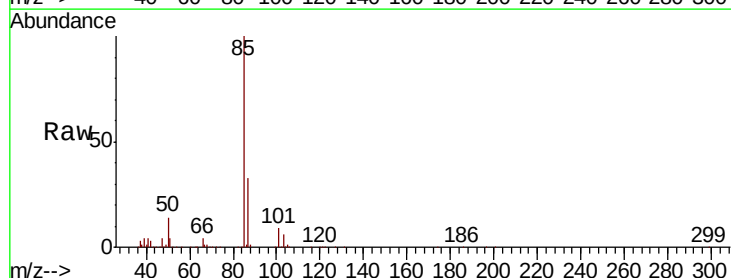
Acq: 5 May 2022 6:34

Tgt Ion: 85 Resp: 2350057

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.7	38.5

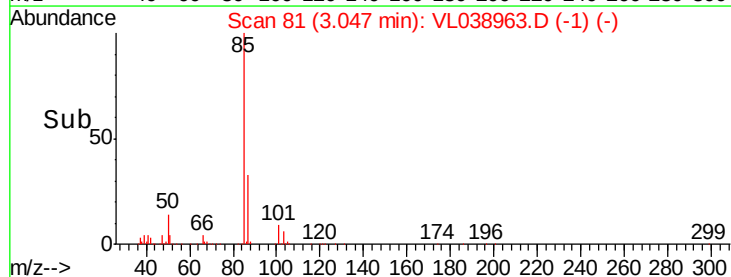
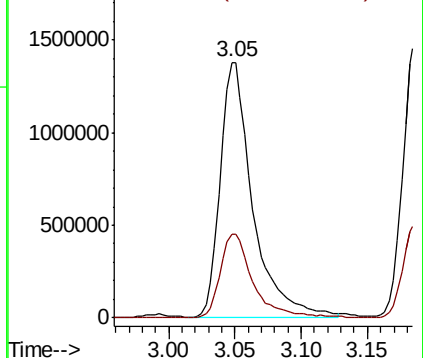
85 100

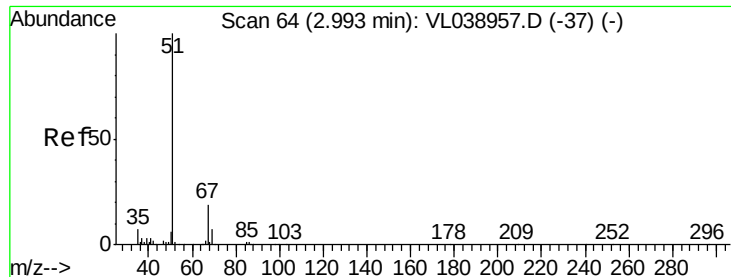
87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.854 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

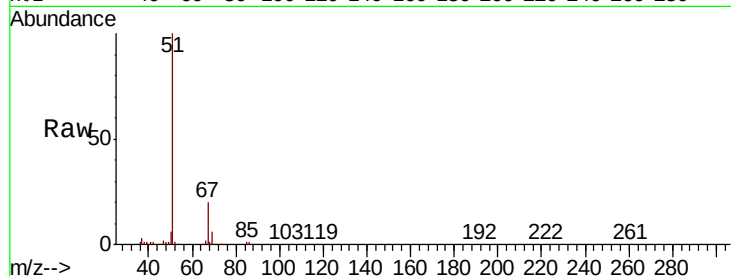
Acq: 5 May 2022 8:34

Tot Ion: 51 Resp: 2223551

Ion Ratio Lower Upper

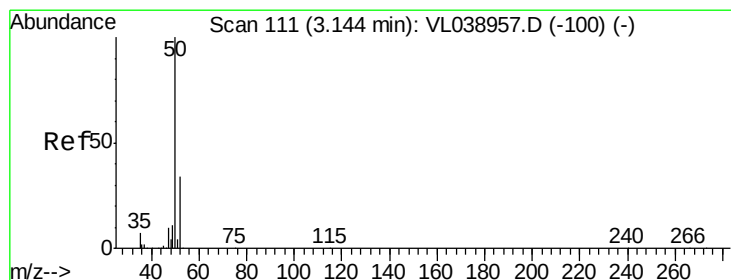
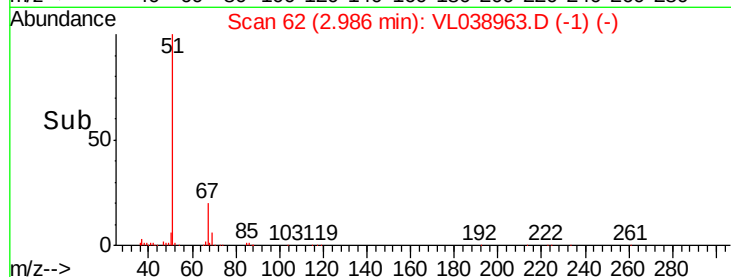
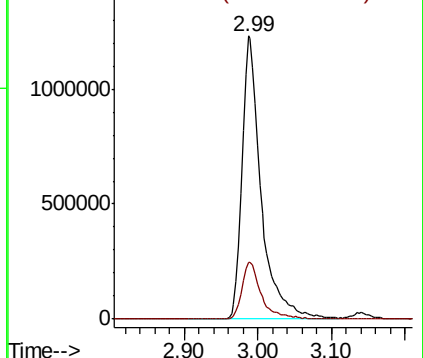
51 100

67 20.5 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 13.254 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038963.D

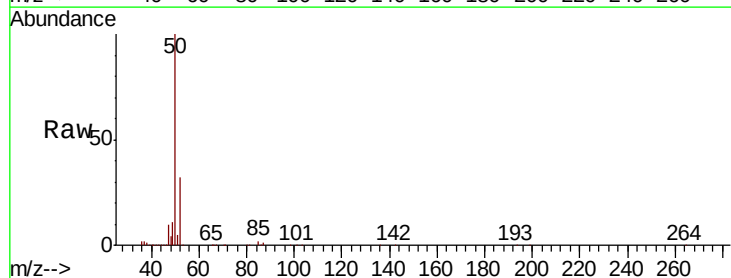
Acq: 5 May 2022 6:34

Tgt Ion: 50 Resp: 1110928

Ion Ratio Lower Upper

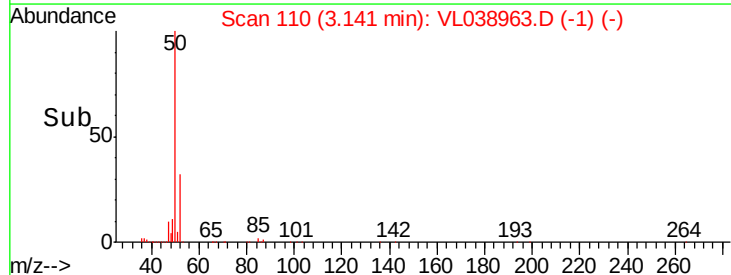
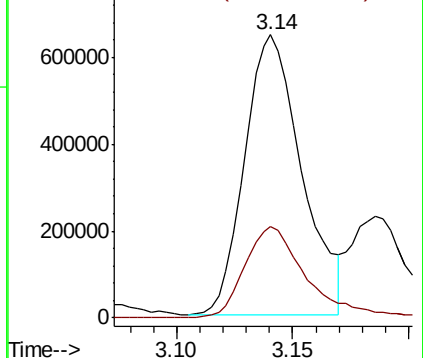
50 100

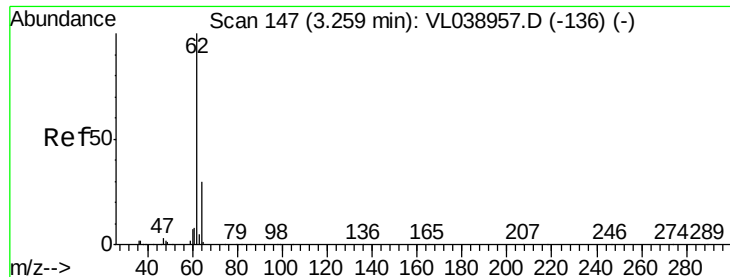
52 32.5 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.777 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

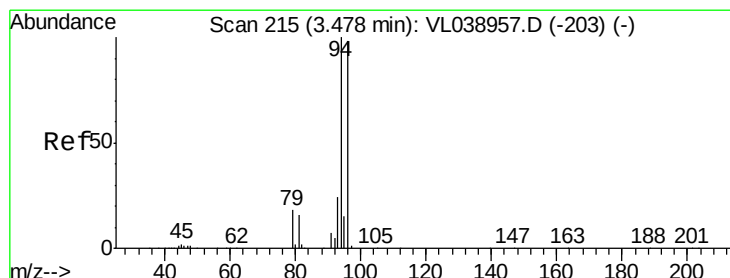
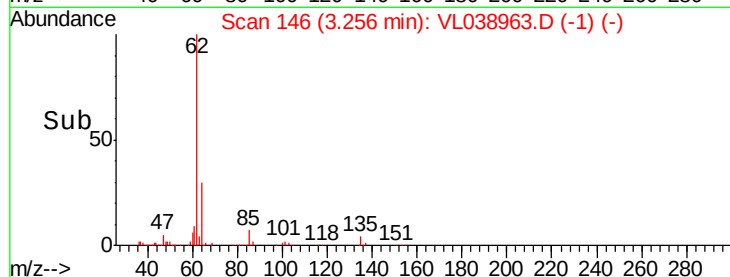
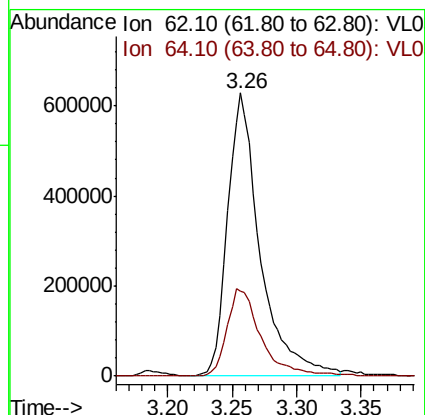
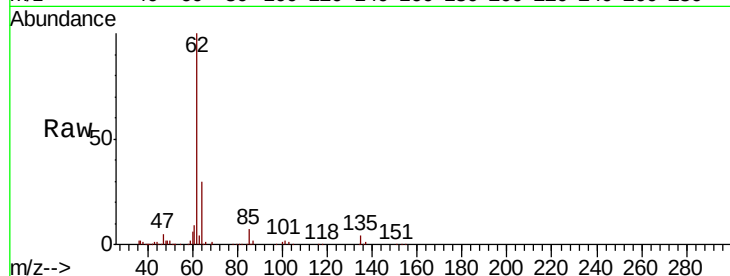
Acq: 5 May 2022 8:34

Tot Ion: 62 Resp: 1094973

Ion Ratio Lower Upper

62 100

64 30.0 24.2 36.4



#6

Bromomethane

Concen: 11.624 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038963.D

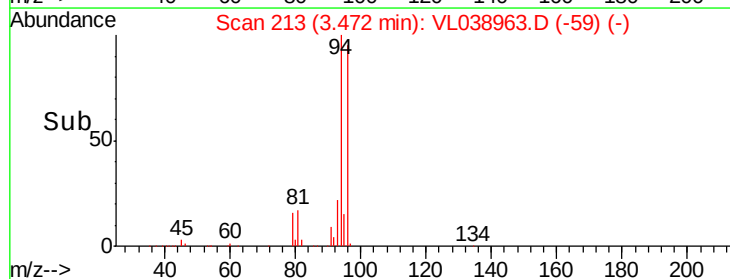
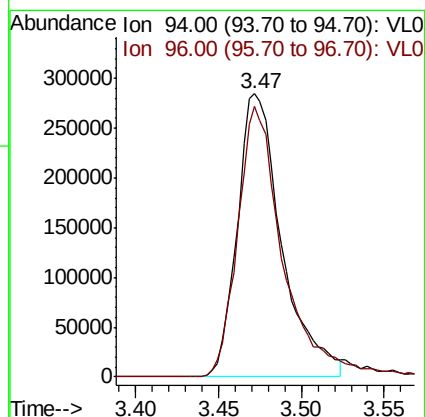
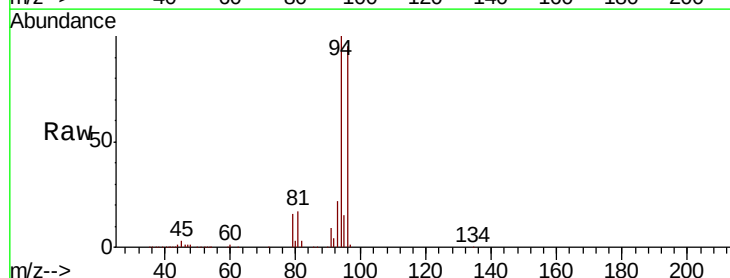
Acq: 5 May 2022 6:34

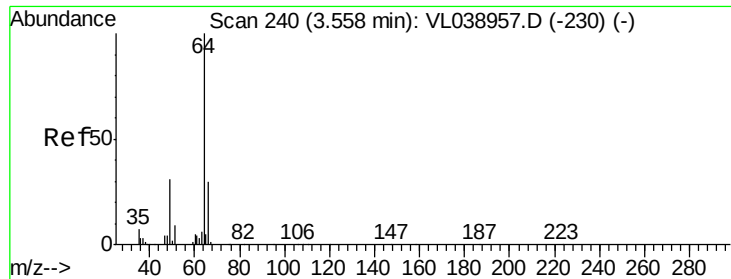
Tgt Ion: 94 Resp: 531697

Ion Ratio Lower Upper

94 100

96 95.4 78.1 117.1





#7

Chloroethane

Concen: 13.024 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

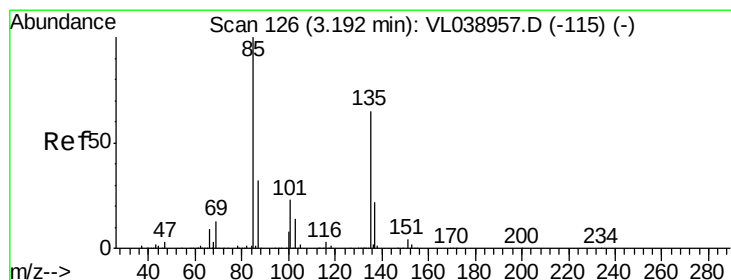
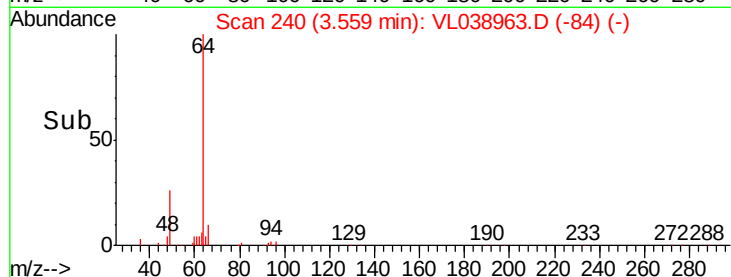
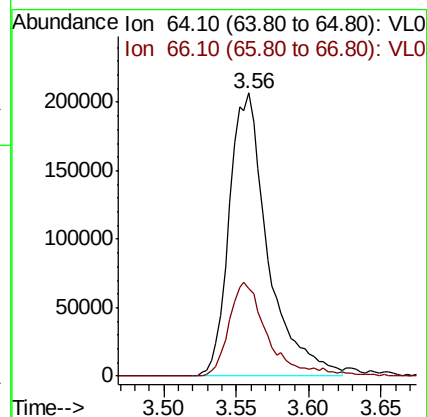
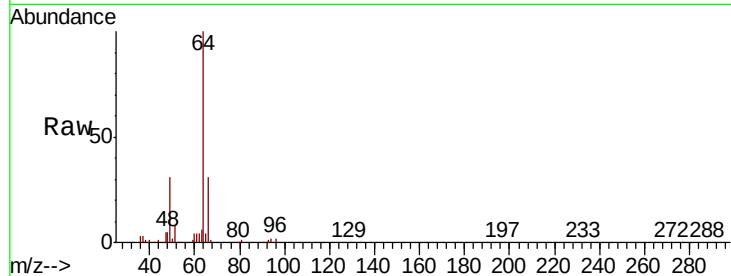
Acq: 5 May 2022 8:34

Tot Ion: 64 Resp: 381123

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 13.262 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL038963.D

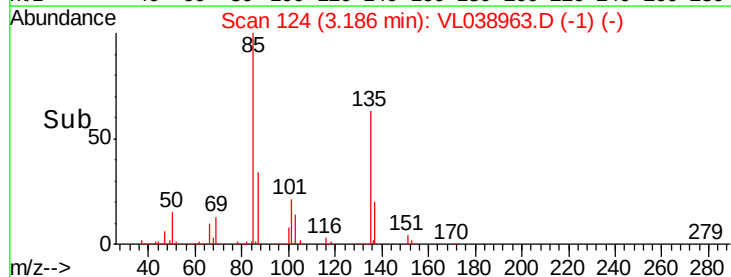
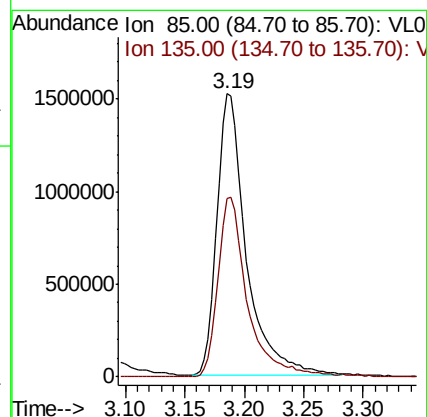
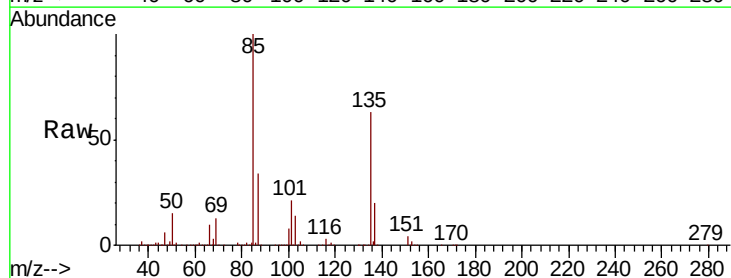
Acq: 5 May 2022 6:34

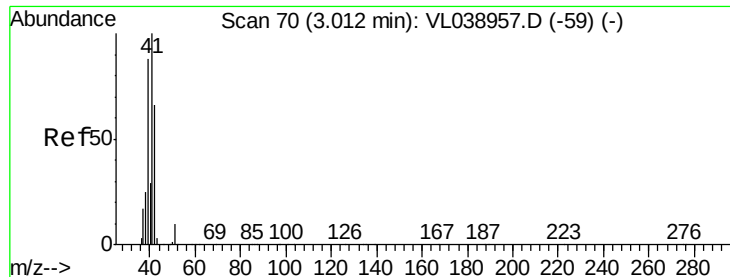
Tgt Ion: 85 Resp: 2611435

Ion Ratio Lower Upper

85 100

135 65.0 53.6 80.4





#9

Propene

Concen: 12.942 ppbv

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

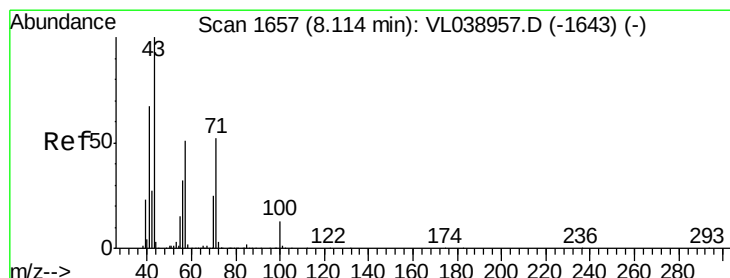
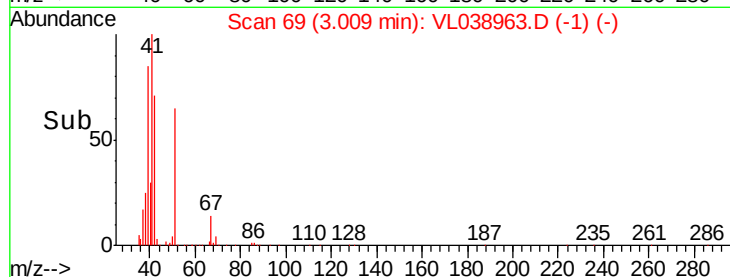
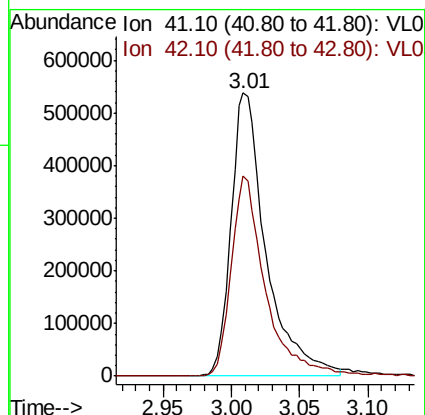
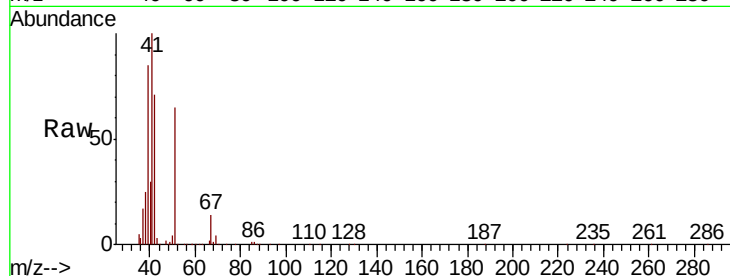
Acq: 5 May 2022 8:34

Tot Ion: 41 Resp: 957714

Ion Ratio Lower Upper

41 100

42 69.7 58.3 87.5



#10

Heptane

Concen: 12.960 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL038963.D

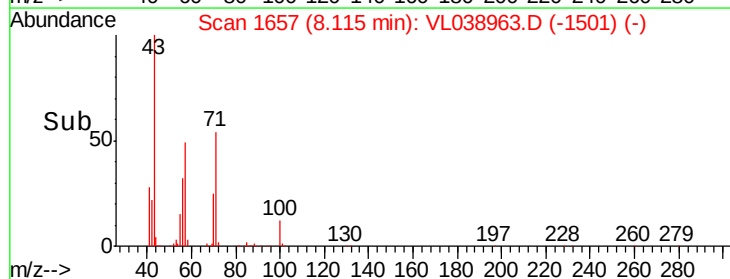
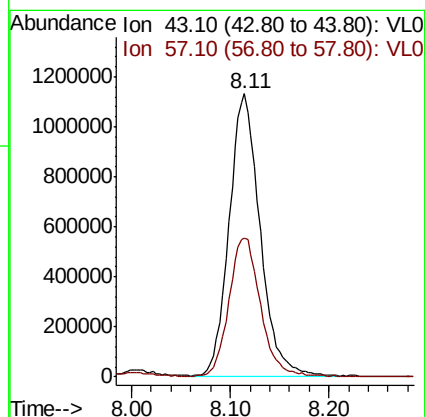
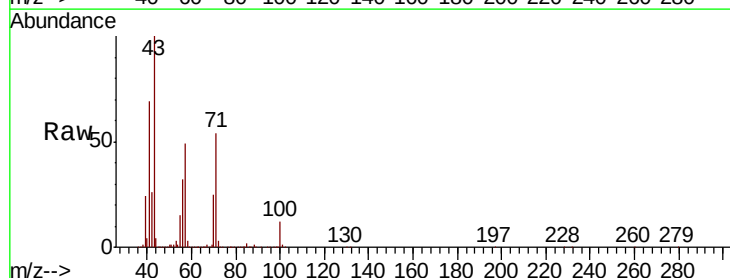
Acq: 5 May 2022 6:34

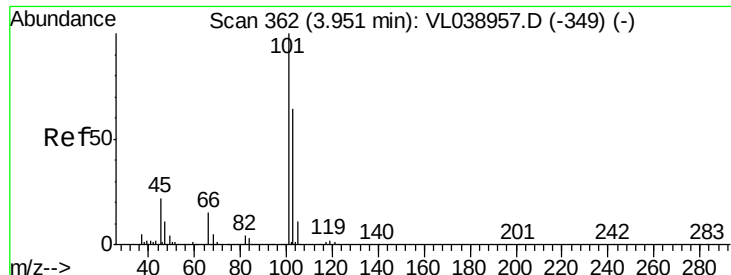
Tgt Ion: 43 Resp: 2456102

Ion Ratio Lower Upper

43 100

57 50.6 40.5 60.7





#11

Trichlorofluoromethane

Concen: 12.282 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

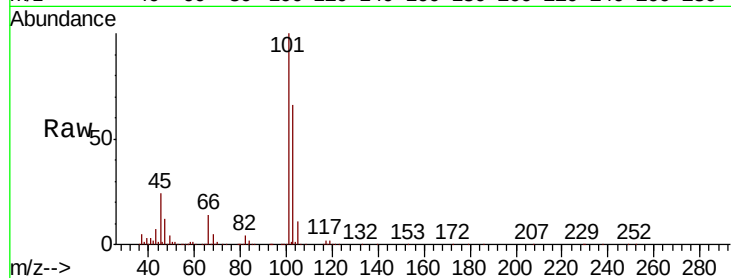
Acq: 5 May 2022 6:34

Tot Ion:101 Resp: 2531766

Ion Ratio Lower Upper

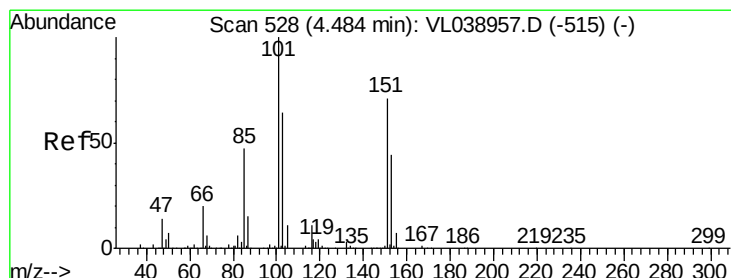
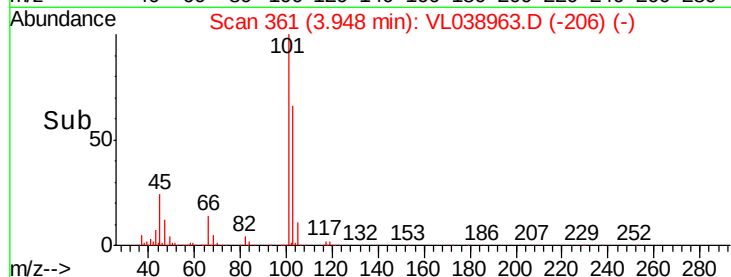
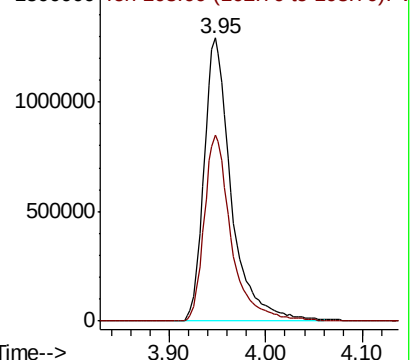
101 100

103 65.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.504 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL038963.D

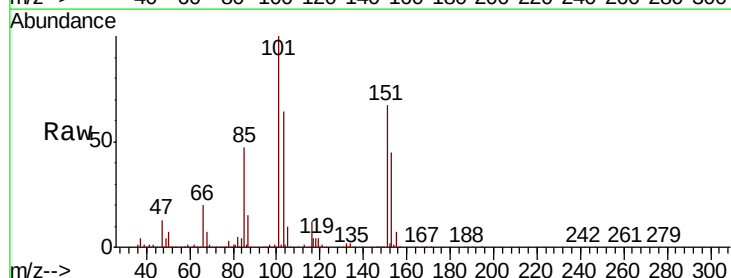
Acq: 5 May 2022 6:34

Tgt Ion:101 Resp: 1799568

Ion Ratio Lower Upper

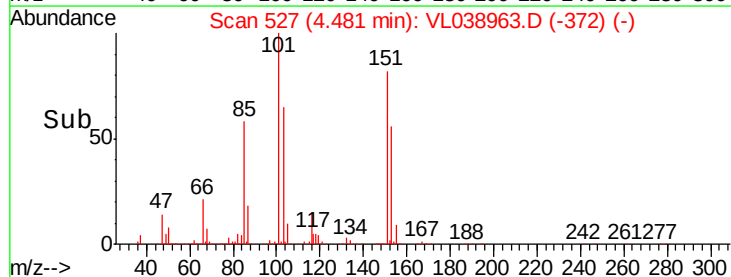
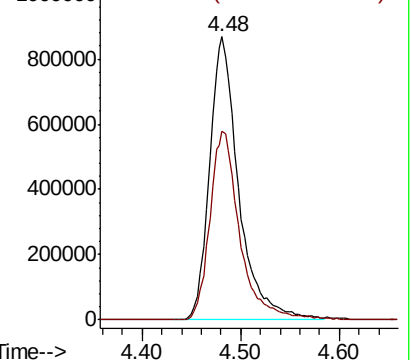
101 100

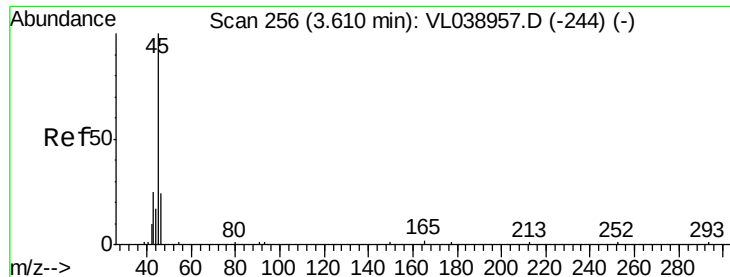
151 68.6 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

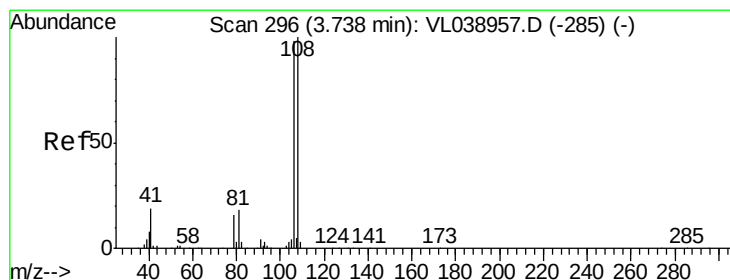
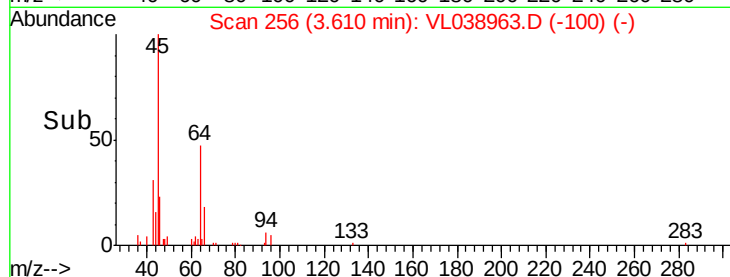
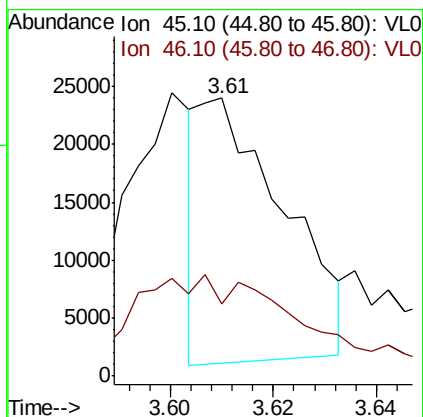
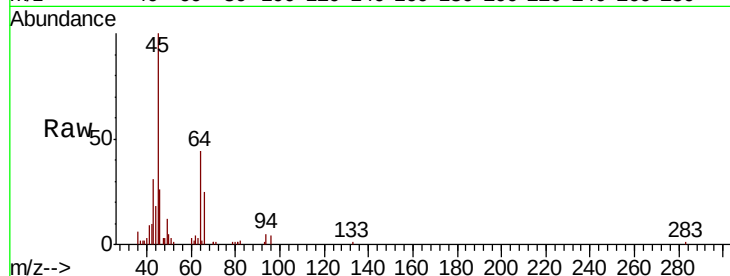
Ion 151.00 (150.70 to 151.70): V





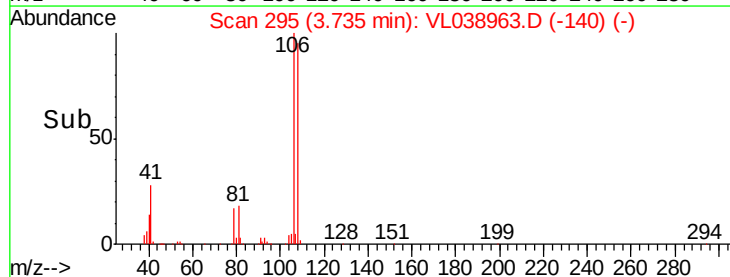
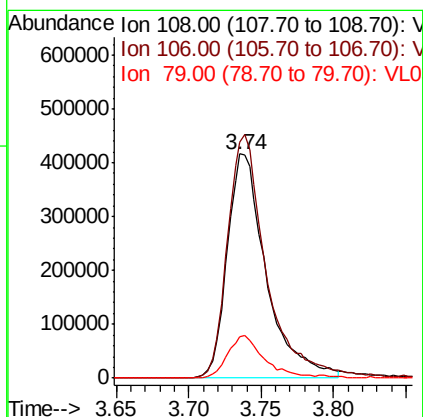
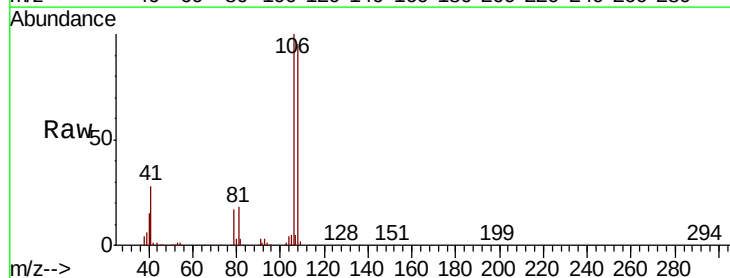
#13
Ethanol
Concen: 3.200 ppbv
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 5 May 2022 8:34

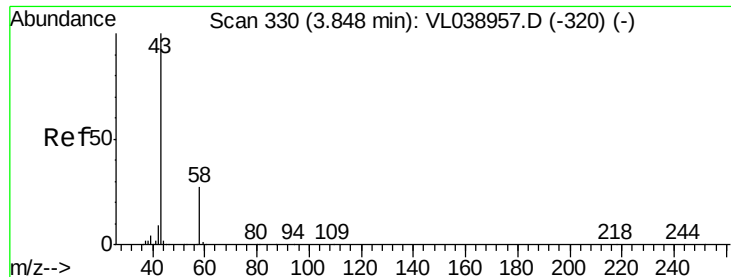
Tot Ion: 45 Resp: 25937
Ion Ratio Lower Upper
45 100
46 83.3 18.0 72.2#



#14
Bromoethene
Concen: 14.038 ppbv
RT: 3.74 min Scan# 295
Delta R.T.: -0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion: 108 Resp: 778472
Ion Ratio Lower Upper
108 100
106 109.6 90.3 135.5
79 18.7 14.9 22.3





#15

Acetone

Concen: 14.050 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

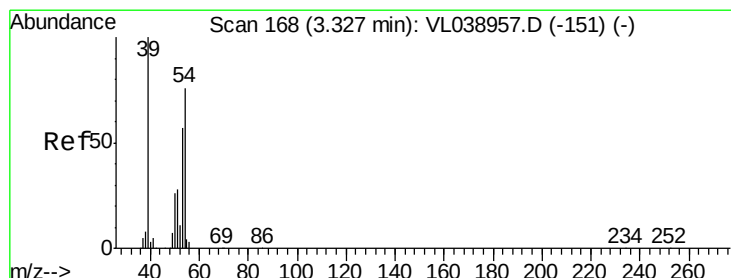
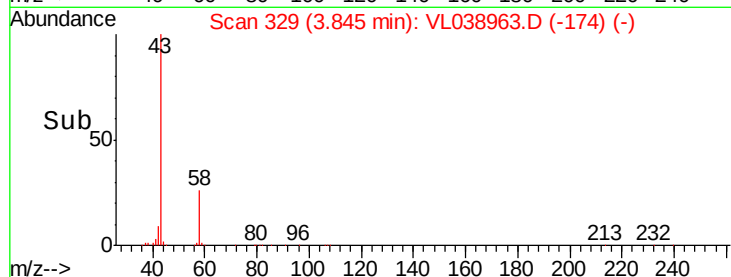
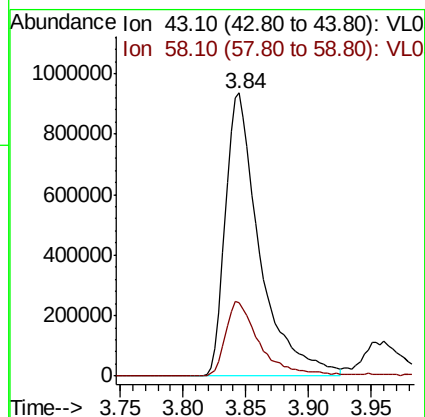
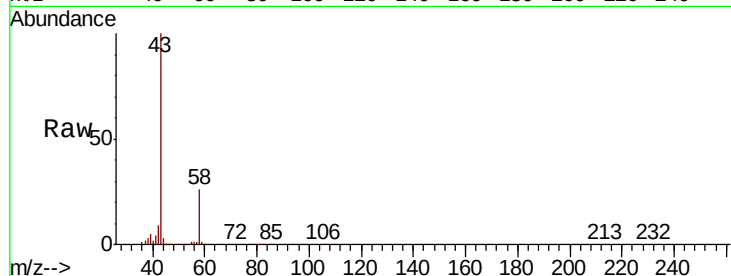
Acq: 5 May 2022 6:34 VSTDIC015

Tot Ion: 43 Resp: 1778910

Ion Ratio Lower Upper

43 100

58 26.5 21.3 31.9



#16

1,3-Butadiene

Concen: 12.113 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038963.D

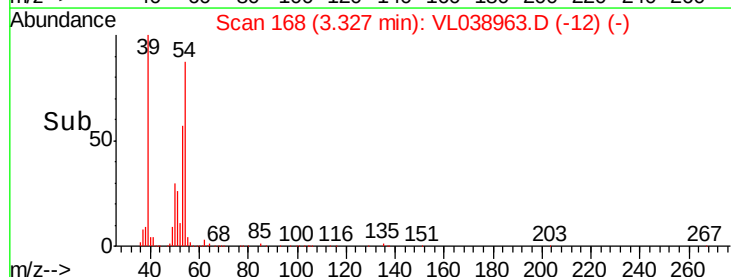
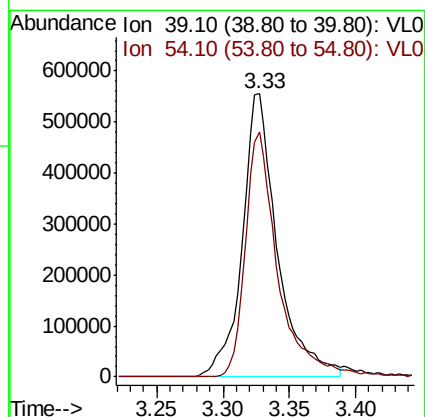
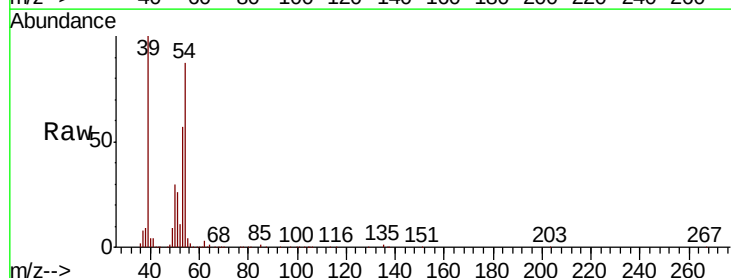
Acq: 5 May 2022 6:34

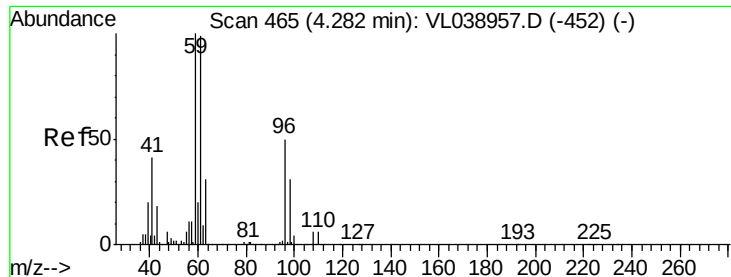
Tgt Ion: 39 Resp: 1021935

Ion Ratio Lower Upper

39 100

54 81.3 65.2 97.8





#17

tert-Butyl alcohol

Concen: 14.035 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

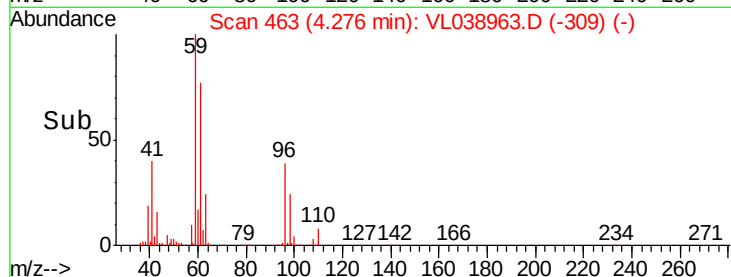
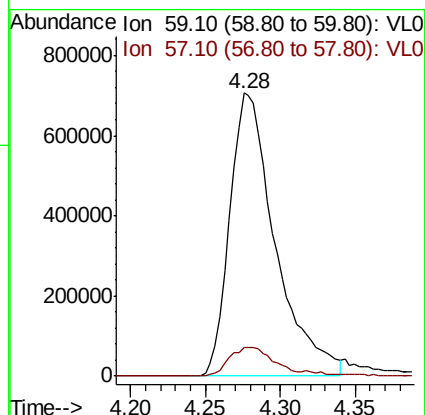
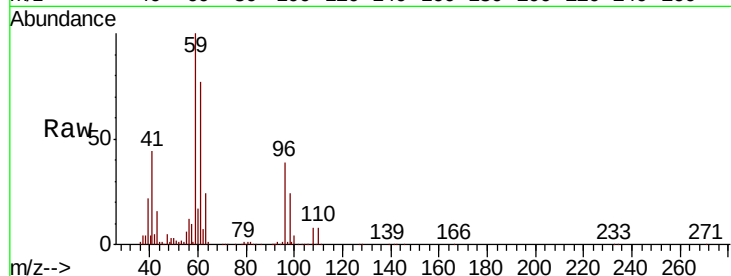
Acq: 5 May 2022 8:34

Tot Ion: 59 Resp: 1495910

Ion Ratio Lower Upper

59 100

57 11.5 9.2 13.8



#18

1,1-Dichloroethene

Concen: 13.549 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

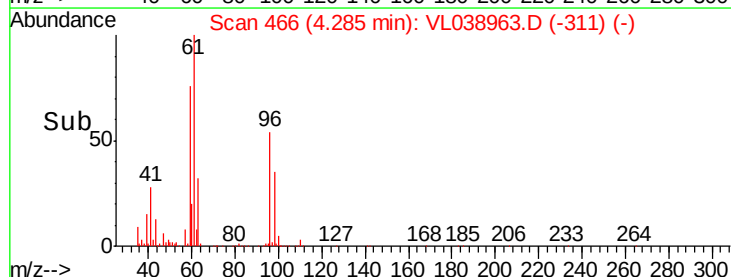
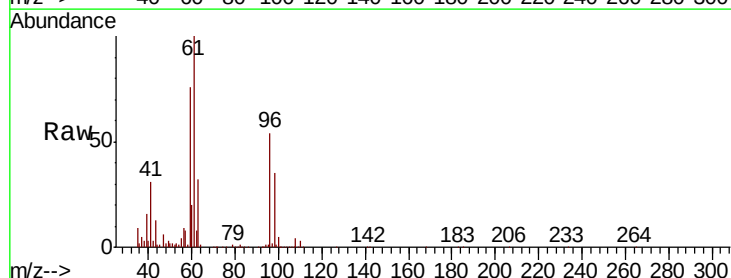
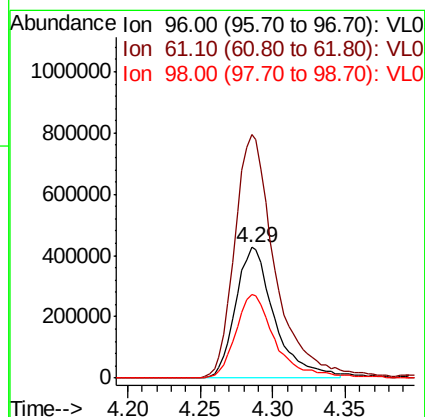
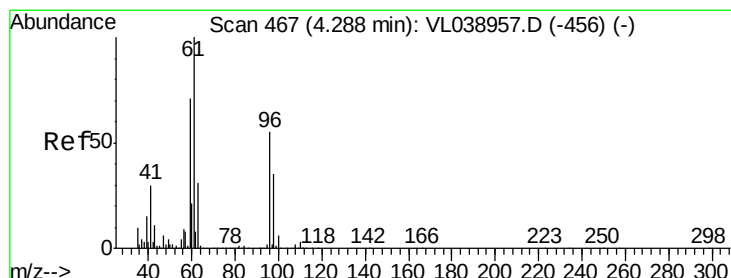
Tgt Ion: 96 Resp: 797819

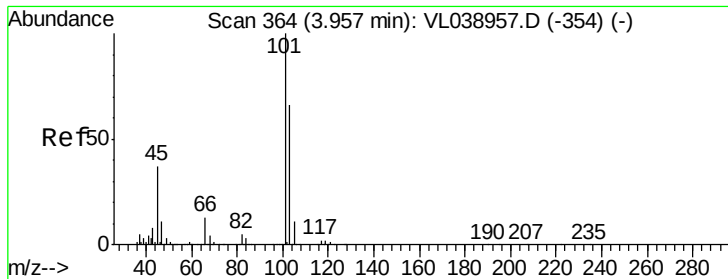
Ion Ratio Lower Upper

96 100

61 186.6 146.3 219.5

98 64.5 50.6 75.8





#19

Isopropyl Alcohol

Concen: 13.822 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

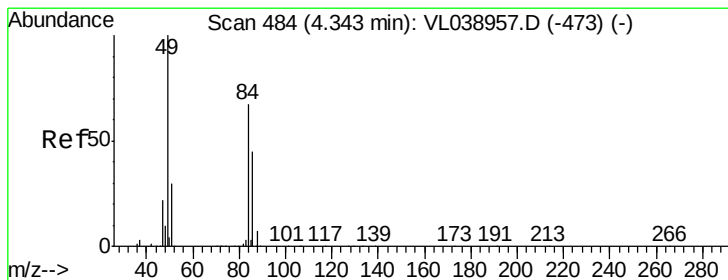
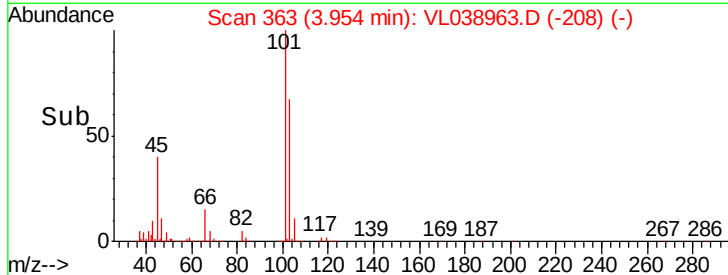
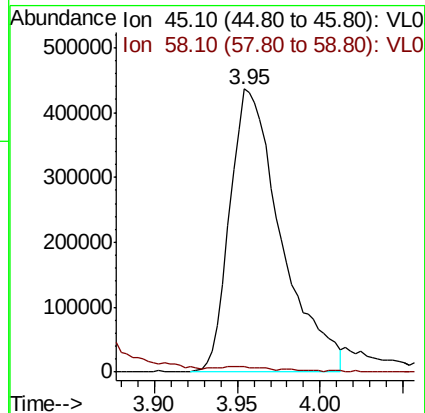
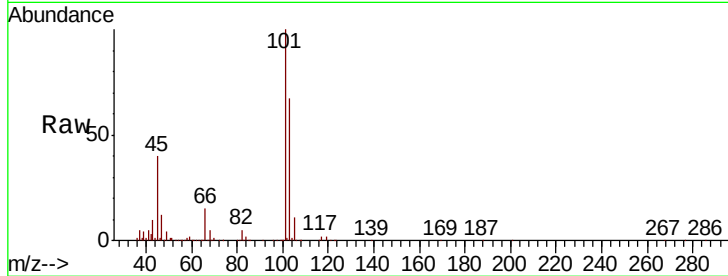
Acq: 5 May 2022 8:34 VSTDIC015

Tot Ion: 45 Resp: 933768

Ion Ratio Lower Upper

45 100

58 2.5 1.4 2.2#



#20

Methylene Chloride

Concen: 11.438 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

Tgt Ion: 84 Resp: 652294

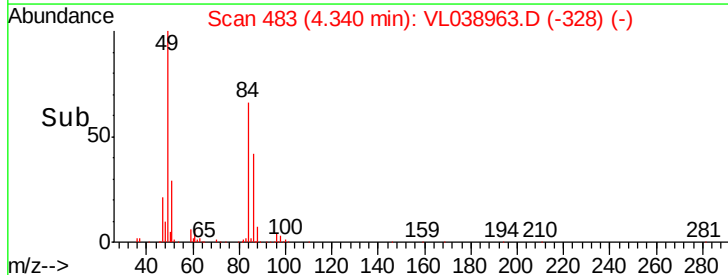
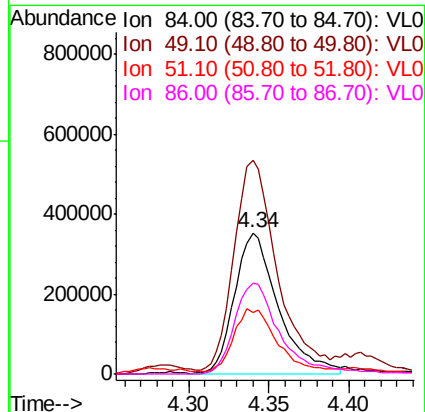
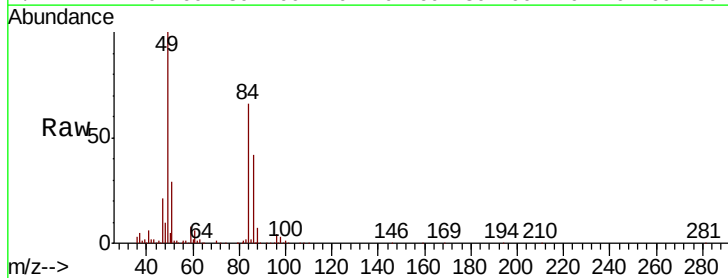
Ion Ratio Lower Upper

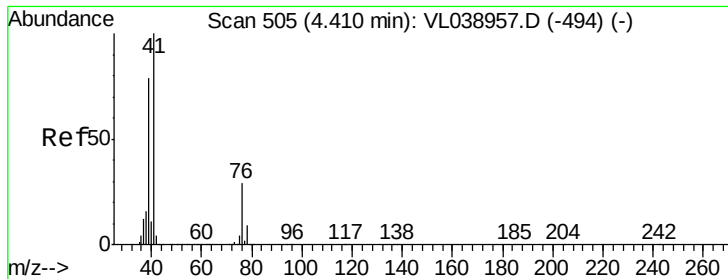
84 100

49 148.4 119.9 179.9

51 42.0 35.7 53.5

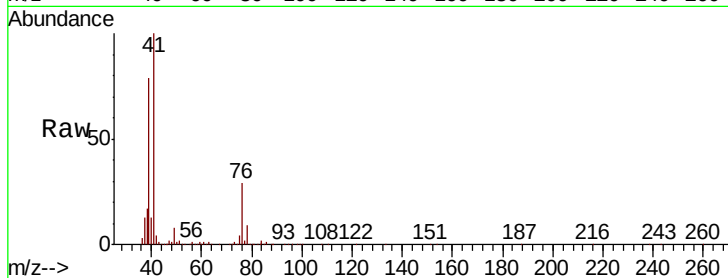
86 63.9 53.8 80.6



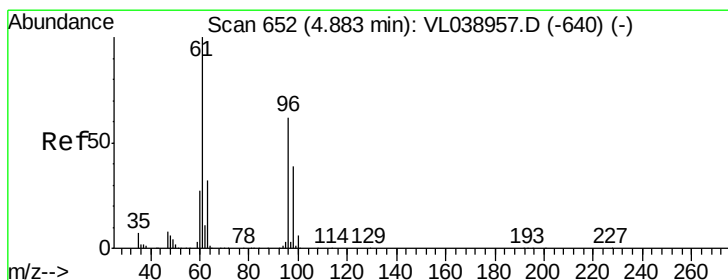
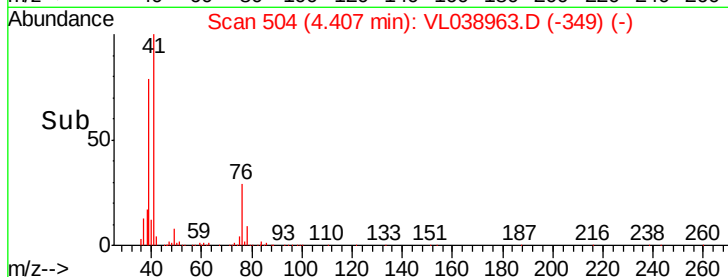
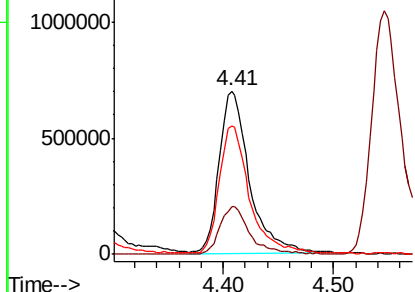


#21
 Allvl Chloride
 Concen: 13.689 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 5 May 2022 8:34

Tot Ion: 41 Resp: 1328396
 Ion Ratio Lower Upper
 41 100
 76 29.4 24.2 36.4
 39 82.0 63.8 95.8

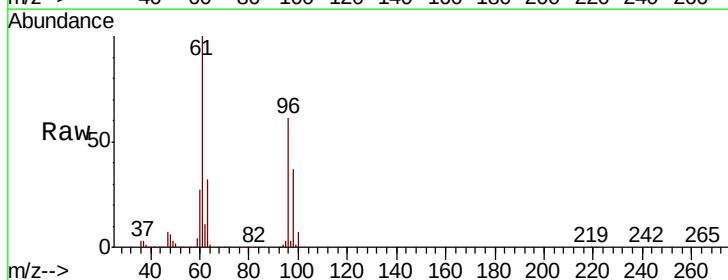


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

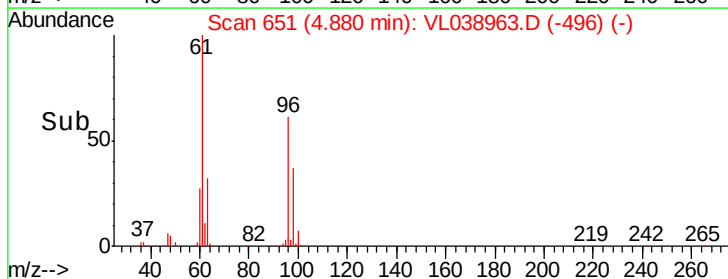
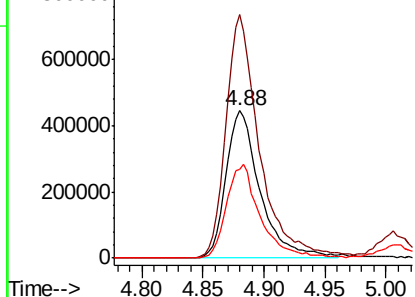


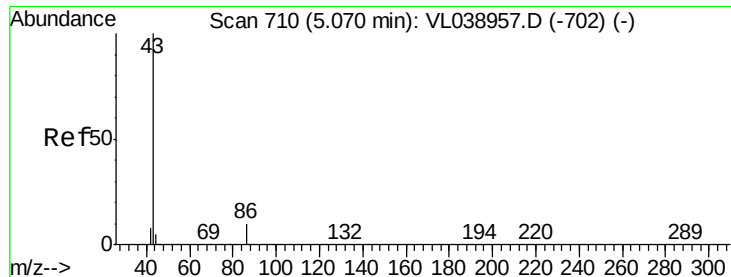
#22
 trans-1,2-Dichloroethene
 Concen: 15.618 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

Tgt Ion: 96 Resp: 871656
 Ion Ratio Lower Upper
 96 100
 61 165.1 128.2 192.2
 98 60.4 50.1 75.1



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: 7.897 ppbv

RT: 5.07 Instrument:

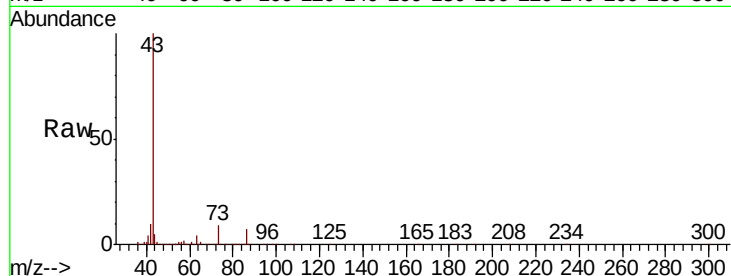
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 May 2022 8:34 VSTDIC015

Tot Ion: 43 Resp: 1518305

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.6	9.8
42	9.8	8.1	12.1
44	5.1	3.5	5.3

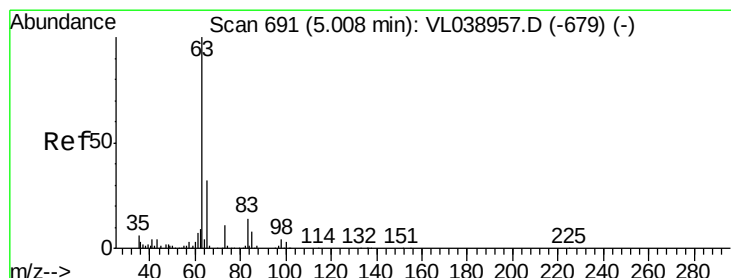
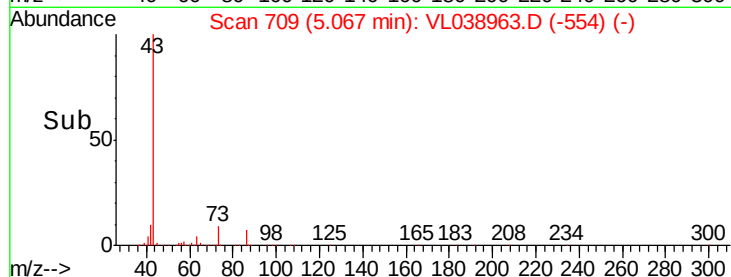
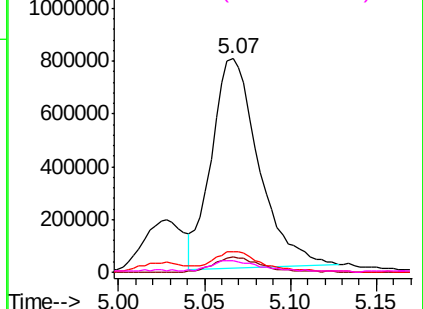


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.196 ppbv

RT: 5.01 min Scan# 690

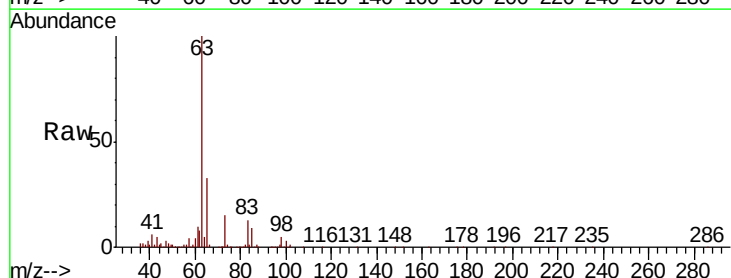
Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

Tgt Ion: 63 Resp: 1658464

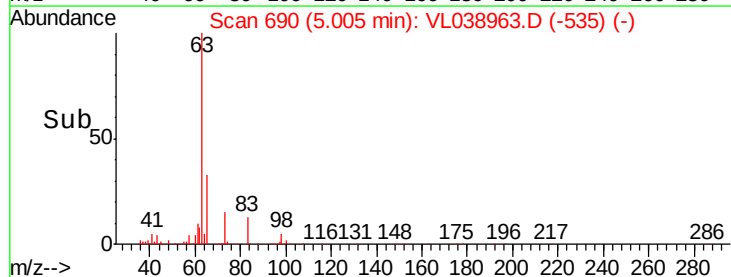
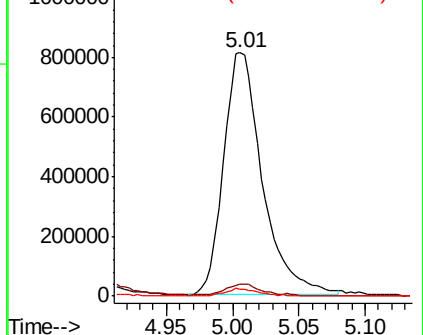
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.2
100	2.4	1.4	4.2

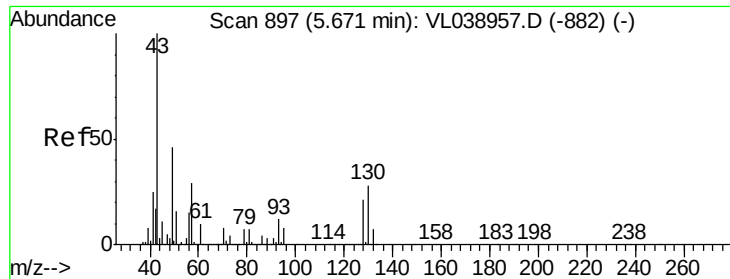


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

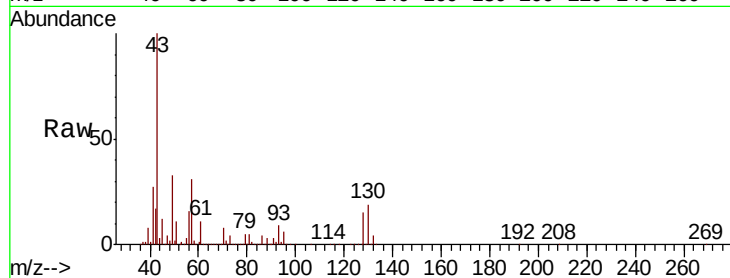




#25
Ethyl Acetate
Concen: 14.121 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC015
Acq: 5 May 2022 8:34

Tot Ion: 43 Resp: 4233637

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	9.8	7.8	11.6
70	6.8	5.6	8.4



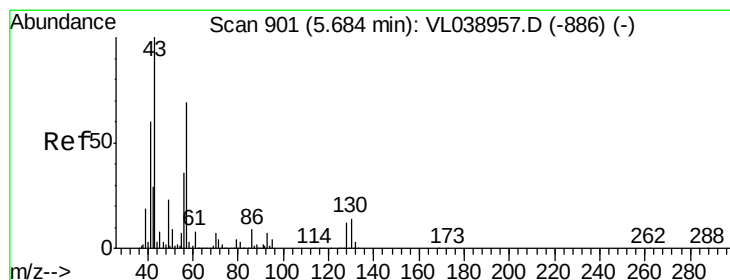
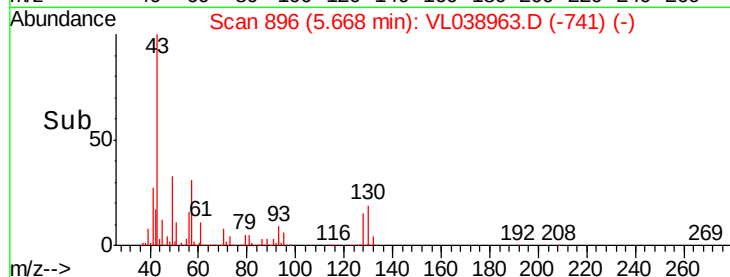
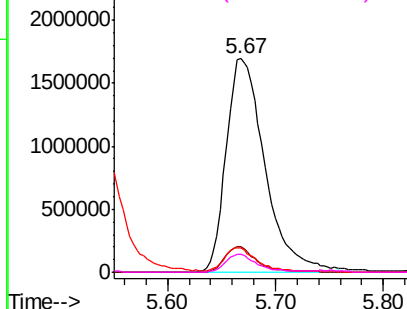
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

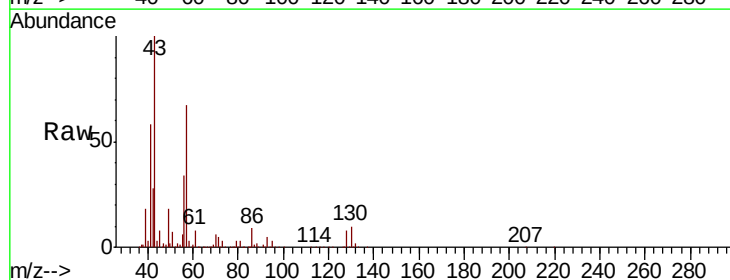
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 13.402 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion: 57 Resp: 1830880

Ion	Ratio	Lower	Upper
57	100		
41	92.9	75.2	112.8
43	234.5	190.8	286.2
56	53.3	43.0	64.6



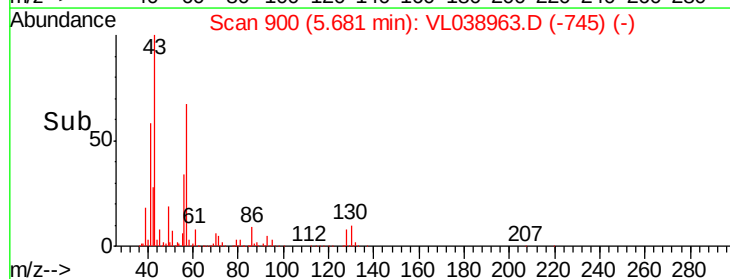
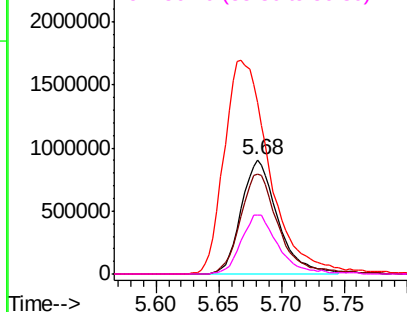
Abundance

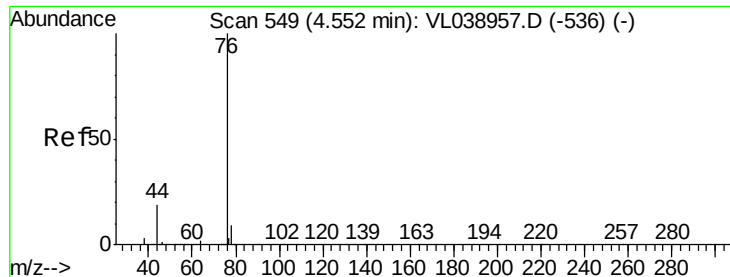
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 15.488 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 8:34

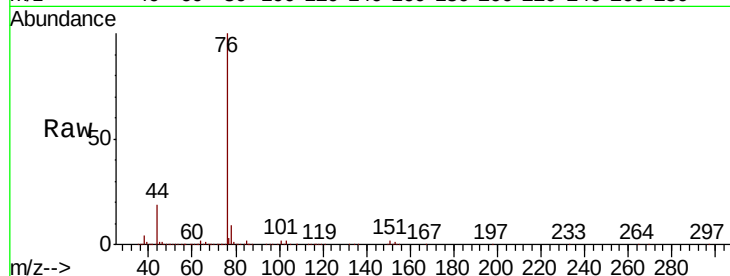
Tot Ion: 76 Resp: 2086321

Ion Ratio Lower Upper

76 100

44 19.0 15.3 22.9

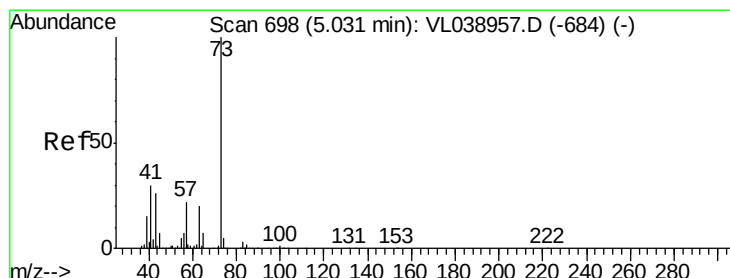
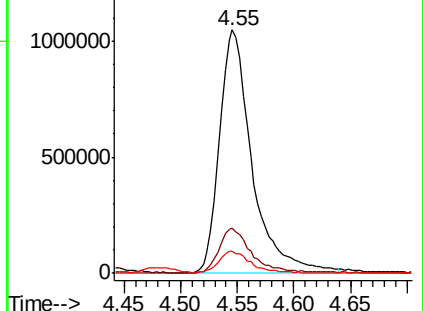
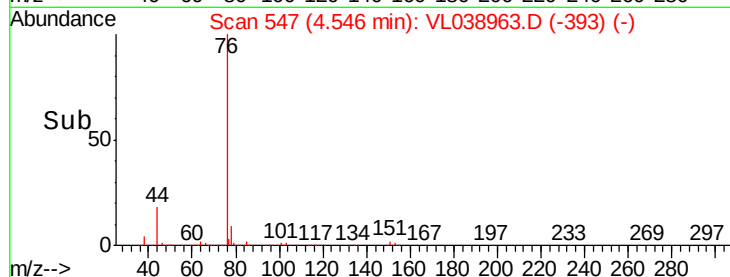
78 9.2 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.179 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL038963.D

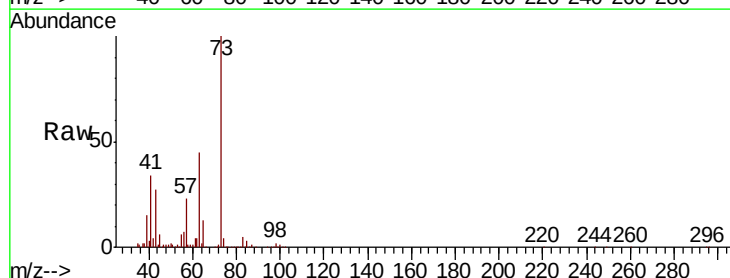
Acq: 5 May 2022 6:34

Tgt Ion: 73 Resp: 1536339

Ion Ratio Lower Upper

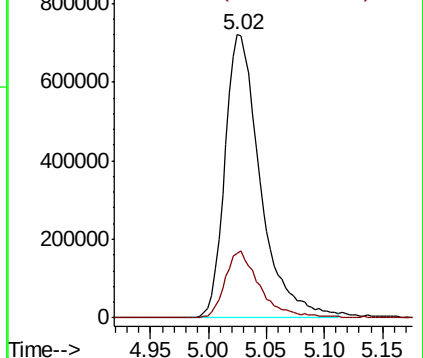
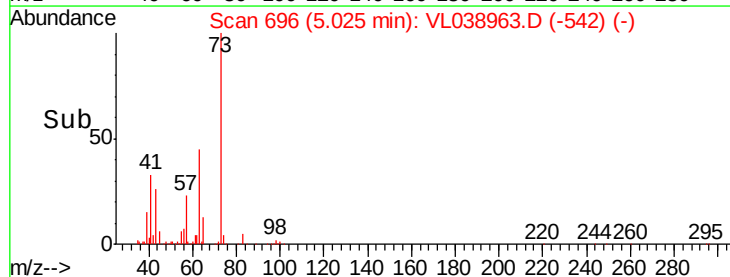
73 100

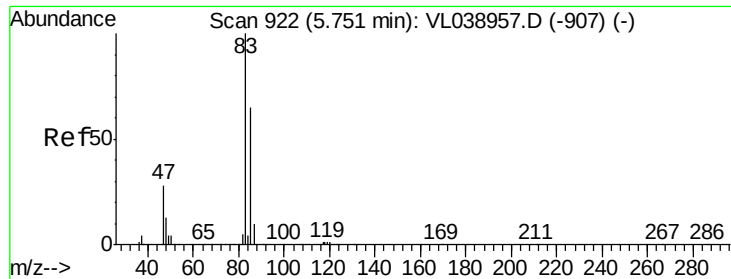
57 23.5 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

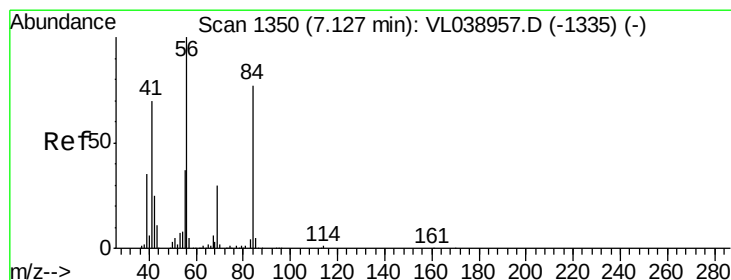
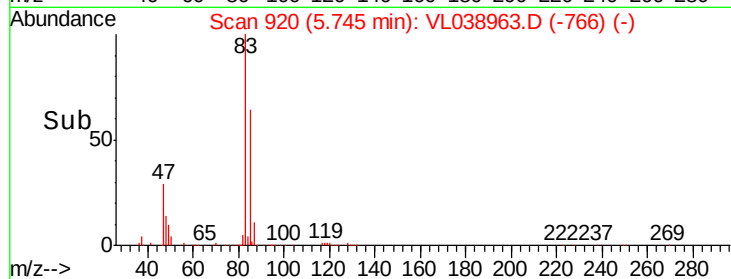
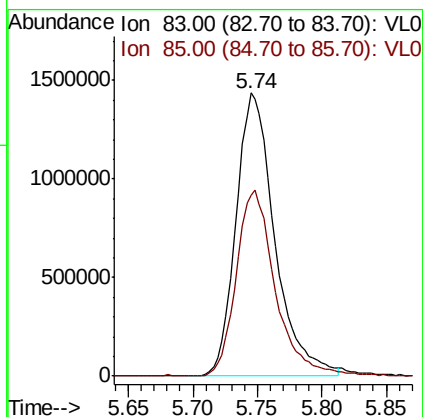
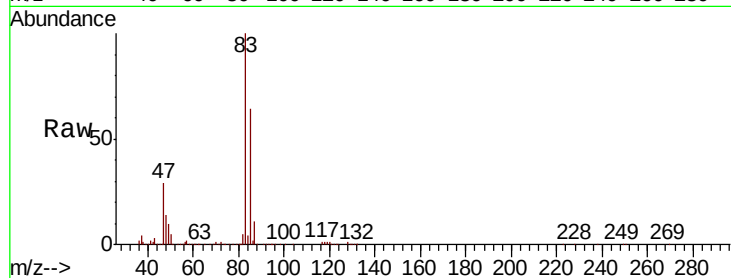
Ion 57.10 (56.80 to 57.80): VL0





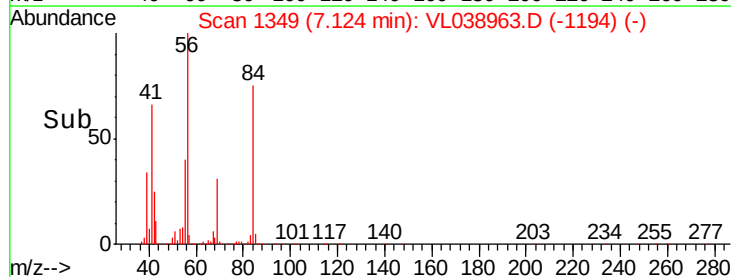
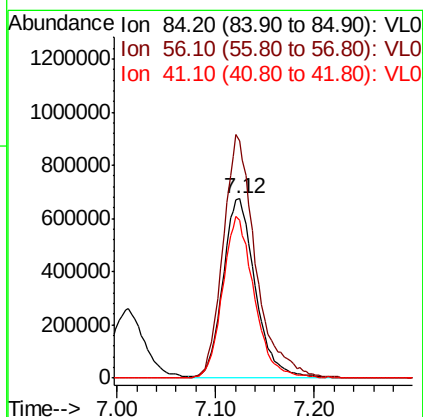
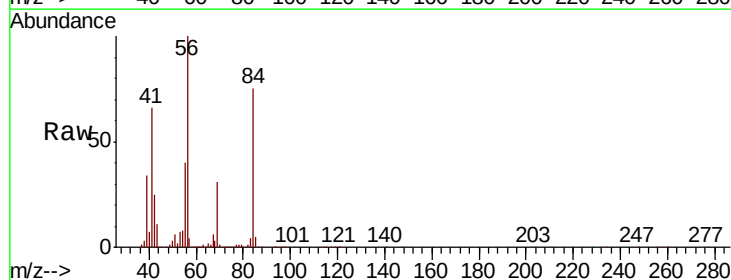
#29
Chloroform
Concen: 13.557 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 6:34

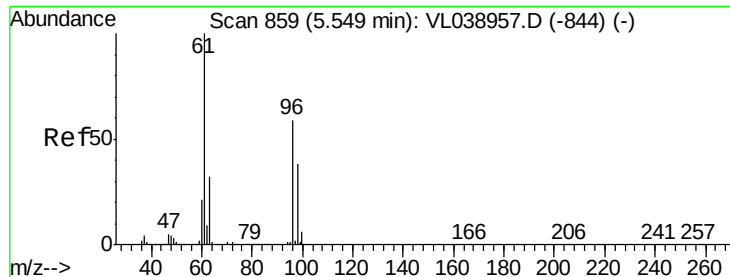
Tot Ion: 83 Resp: 3008964
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6



#30
Cyclohexane
Concen: 13.929 ppbv
RT: 7.12 min Scan# 1349
Delta R.T.: -0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion: 84 Resp: 1541446
Ion Ratio Lower Upper
84 100
56 137.9 115.3 172.9
41 89.1 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 14.760 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 6:34 VSTDIC015

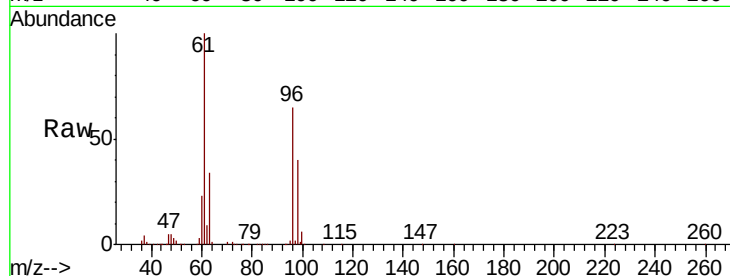
Tot Ion: 61 Resp: 1970205

Ion Ratio Lower Upper

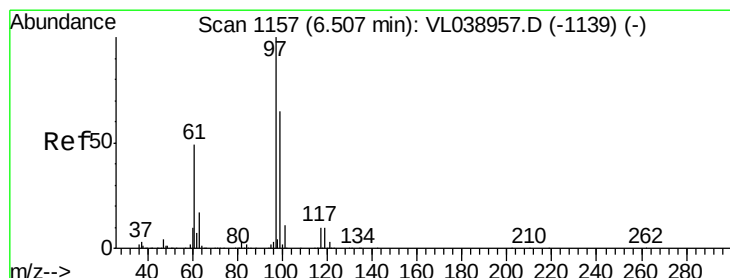
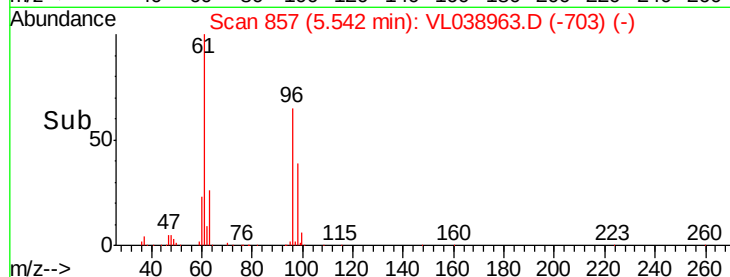
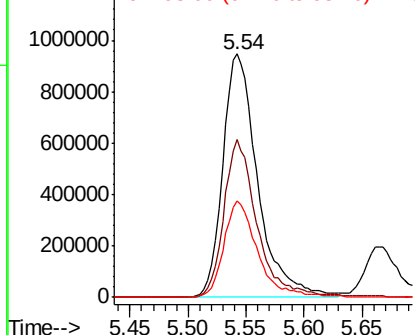
61 100

96 64.6 47.4 71.0

98 39.5 30.6 45.8



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



#32

1,1,1-Trichloroethane

Concen: 13.866 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

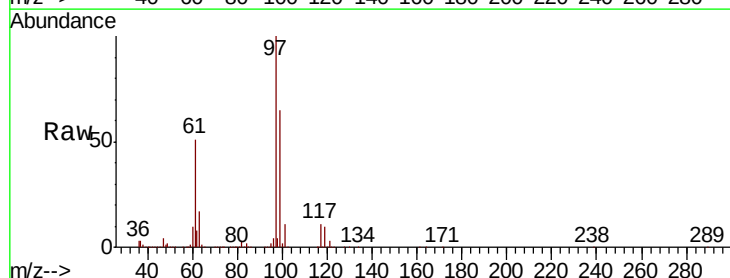
Tgt Ion: 97 Resp: 3099050

Ion Ratio Lower Upper

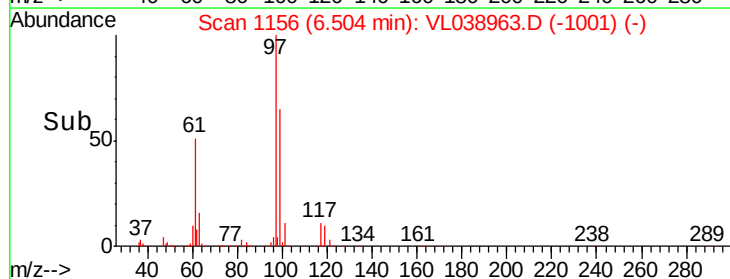
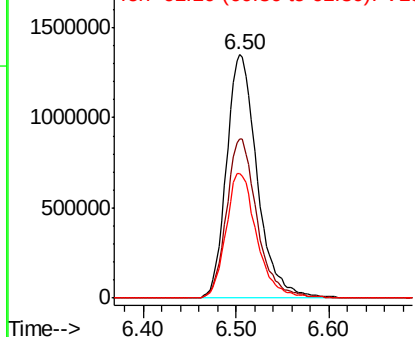
97 100

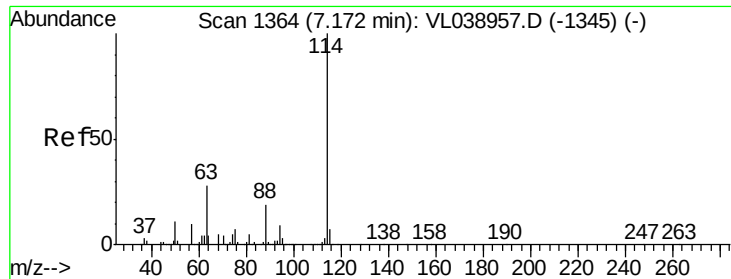
99 65.3 51.9 77.9

61 51.9 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

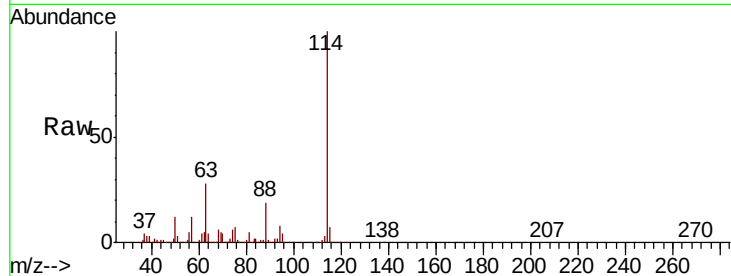




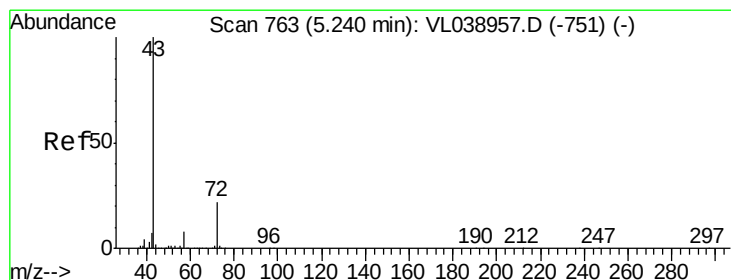
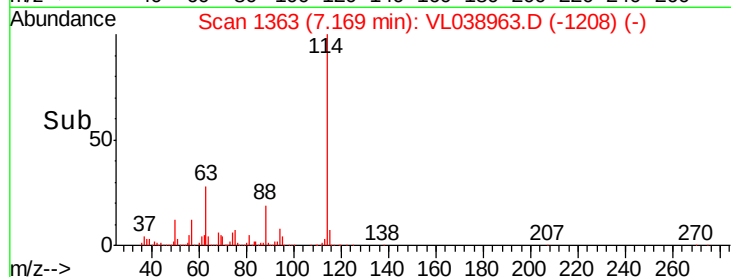
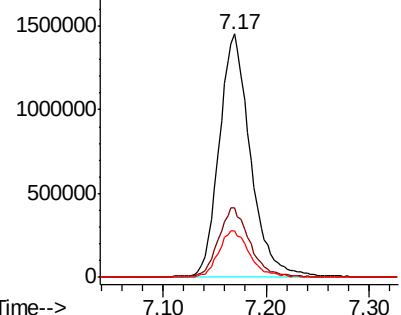
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 5 May 2022 6:34

Tot Ion:114 Resp: 3074026

Ion	Ratio	Lower	Upper
114	100		
63	29.1	22.6	33.8
88	19.2	15.4	23.0



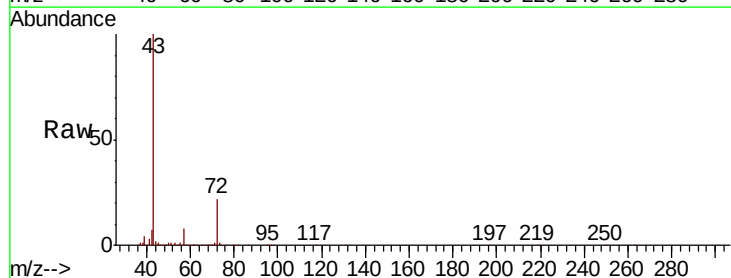
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



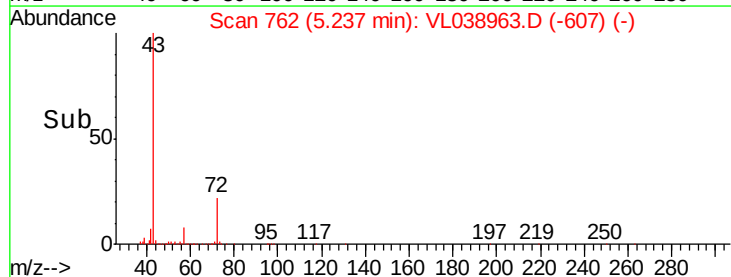
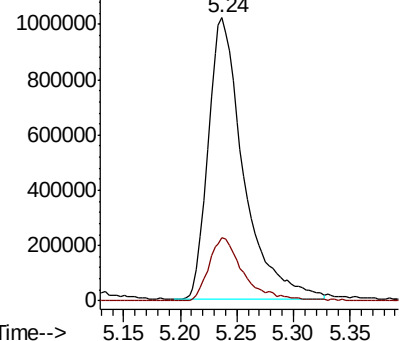
#34
 2-Butanone
 Concen: 14.586 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

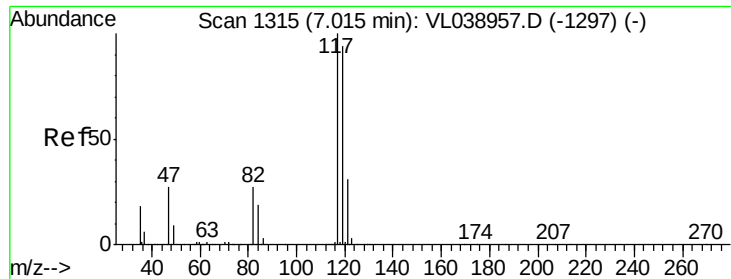
Tgt Ion: 43 Resp: 2225636

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.8	26.6



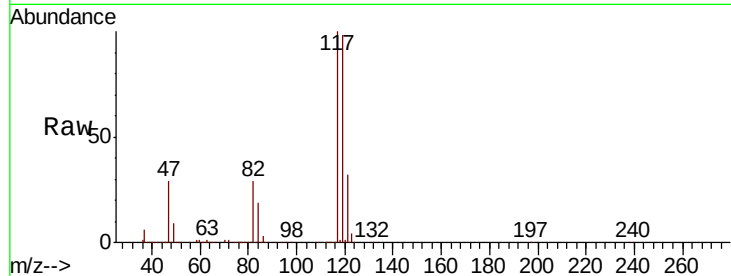
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



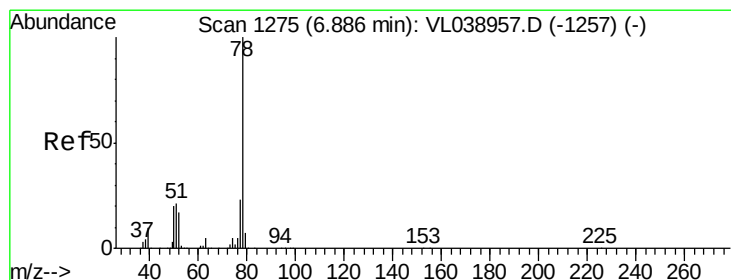
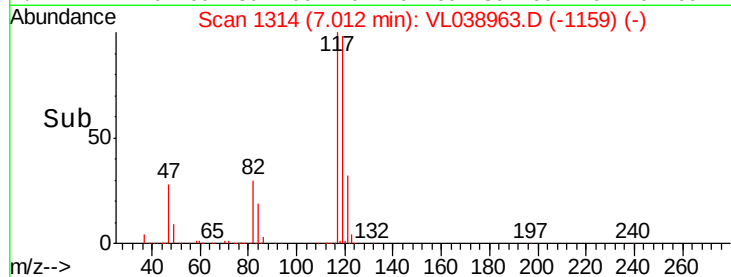
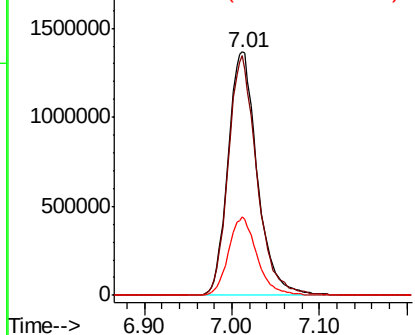


#35
Carbon Tetrachloride
Concen: 13.475 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 5 May 2022 6:34

Tot Ion:117 Resp: 3176214
Ion Ratio Lower Upper
117 100
119 98.4 75.2 112.8
121 32.0 24.6 37.0

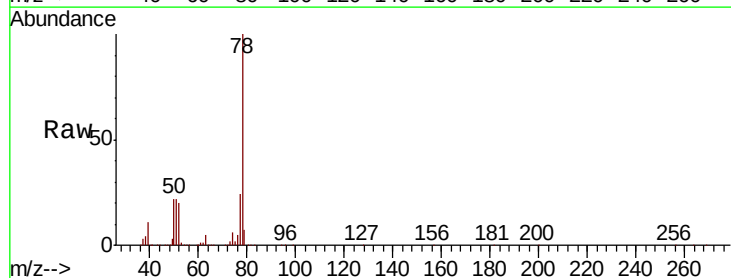


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

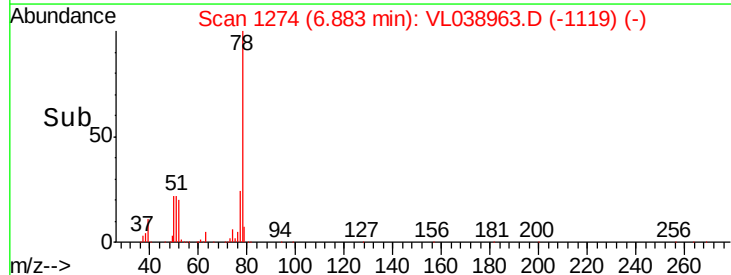
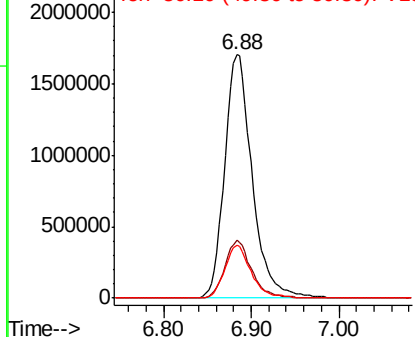


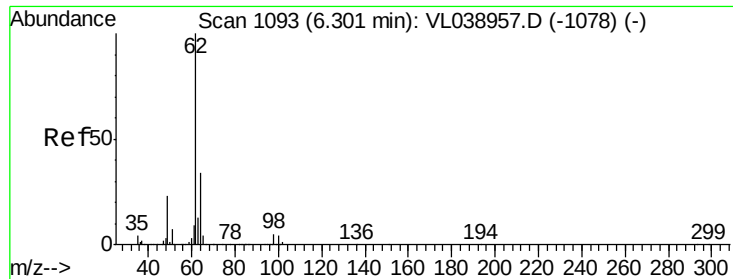
#36
Benzene
Concen: 13.281 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion: 78 Resp: 3724619
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0
50 21.8 15.6 23.4



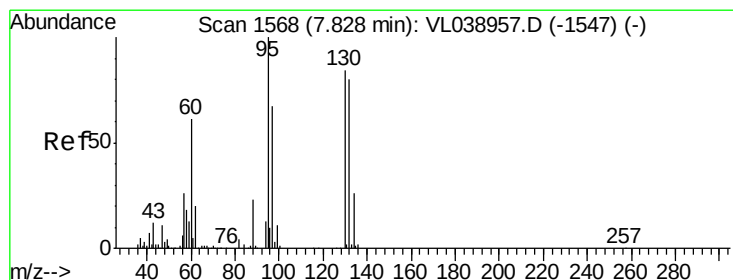
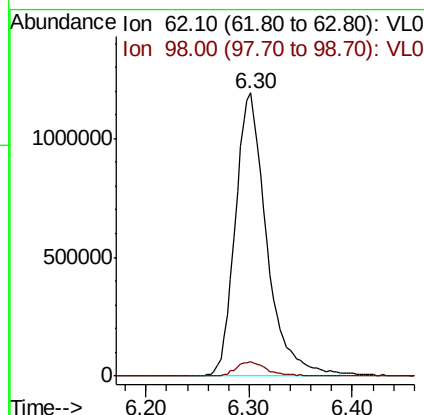
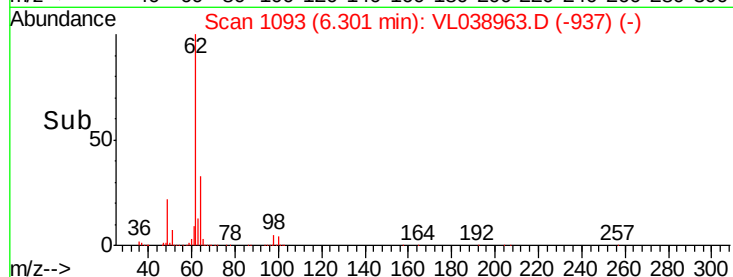
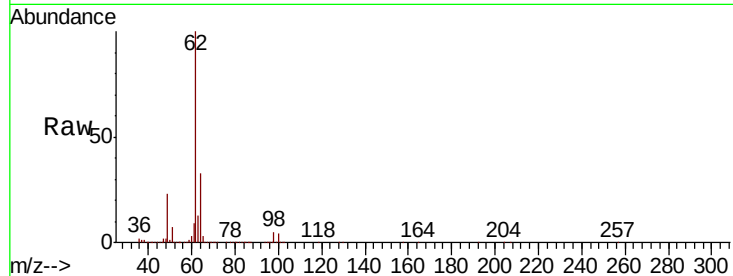
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





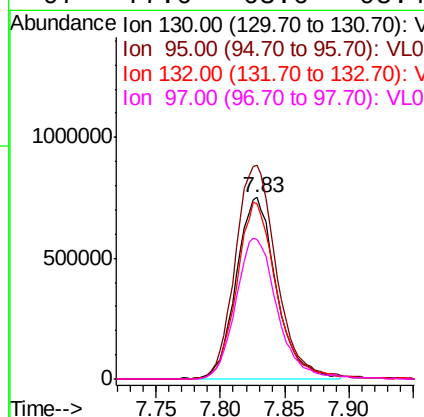
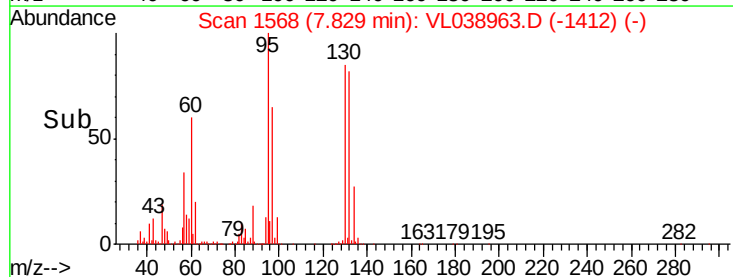
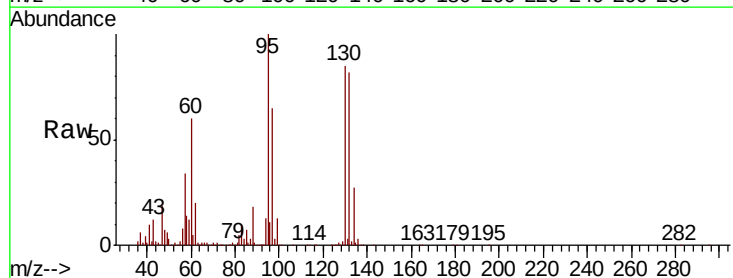
#37
 1,2-Dichloroethane
 Concen: 15.040 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 5 May 2022 6:34

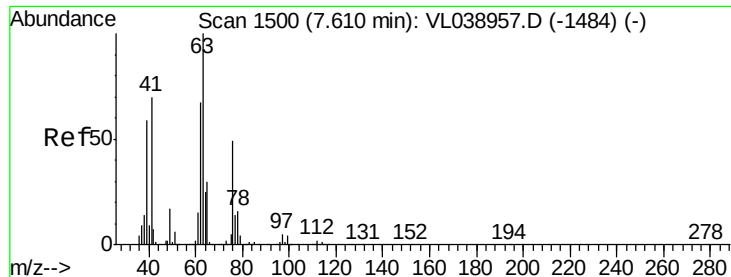
Tot Ion: 62 Resp: 2525002
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.5 6.7



#38
 Trichloroethene
 Concen: 14.336 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

Tgt Ion:130 Resp: 1609920
 Ion Ratio Lower Upper
 130 100
 95 117.8 94.8 142.2
 132 96.8 75.8 113.8
 97 77.0 63.6 95.4





#39

1,2-Dichloropropane

Concen: 13.151 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 8:34

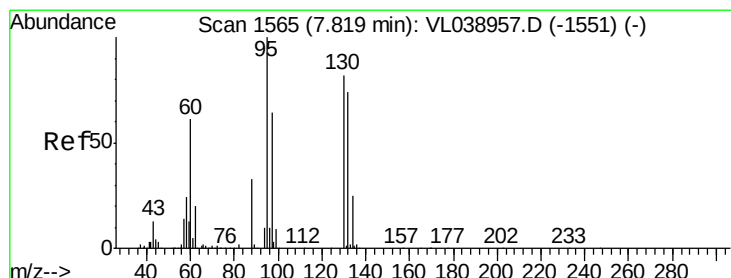
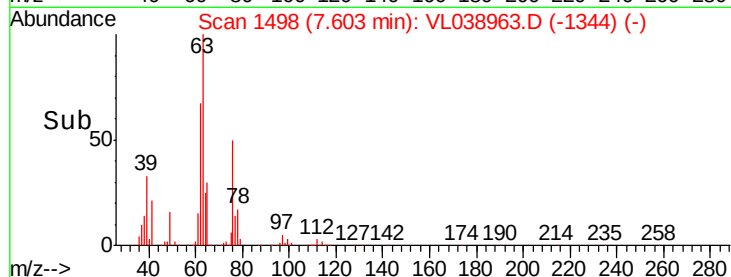
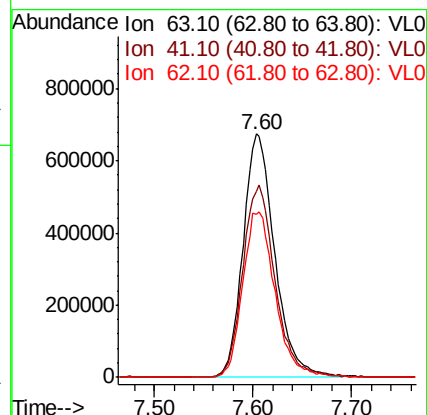
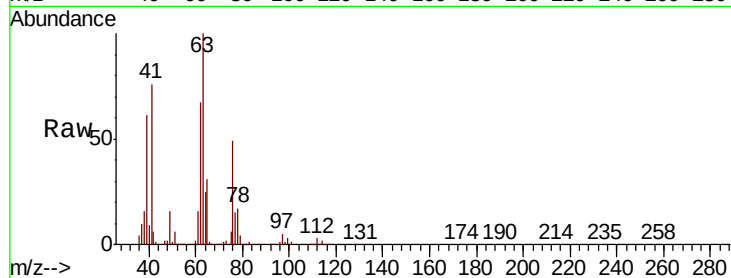
Tot Ion: 63 Resp: 1494174

Ion Ratio Lower Upper

63 100

41 76.2 55.9 83.9

62 67.1 53.8 80.6



#40

1,4-Dioxane

Concen: 14.681 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

Tgt Ion: 88 Resp: 428119

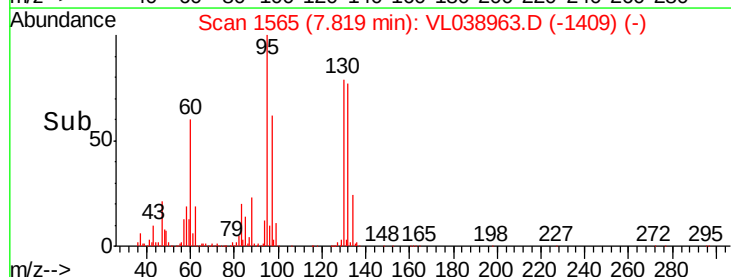
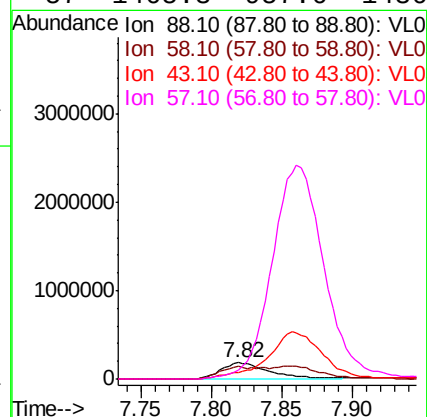
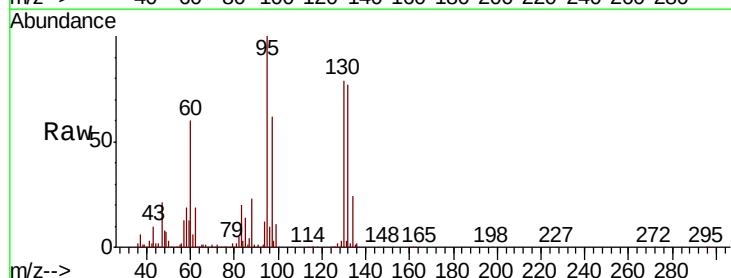
Ion Ratio Lower Upper

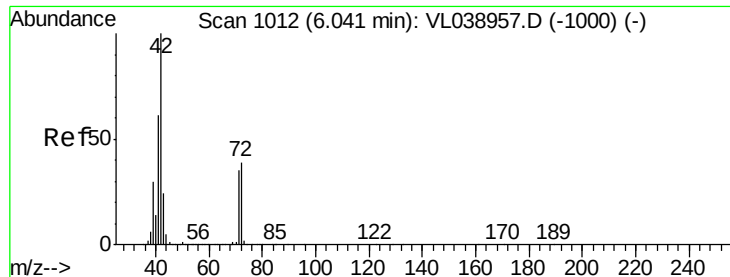
88 100

58 151.9 106.1 159.1

43 339.4 222.9 334.3#

57 1465.3 957.6 1436.4#

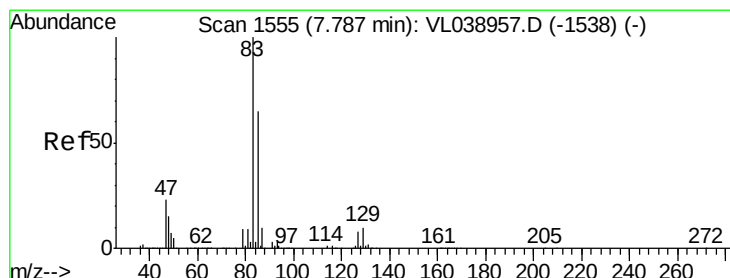
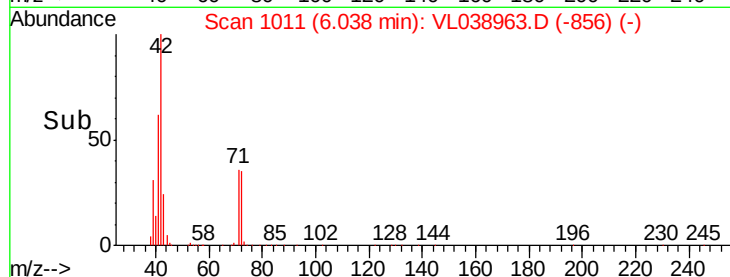
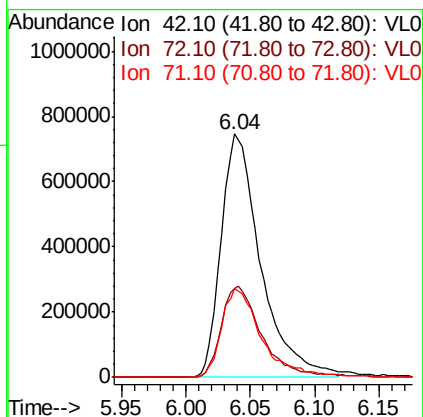
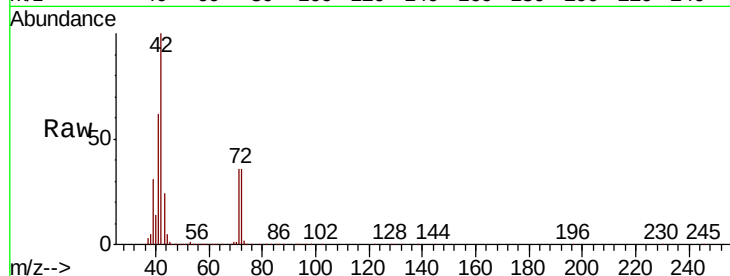




#41
Tetrahydrofuran
Concen: 20.968 ppbv
RT: 6.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 6:34

Tot Ion: 42 Resp: 1589217

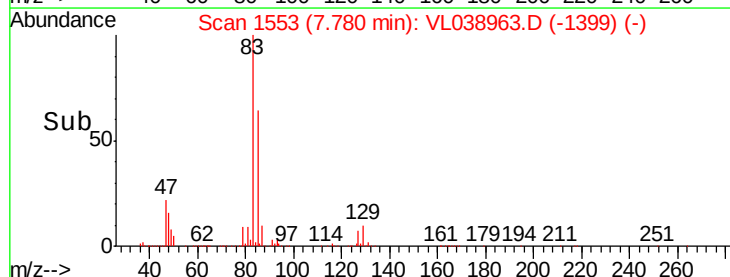
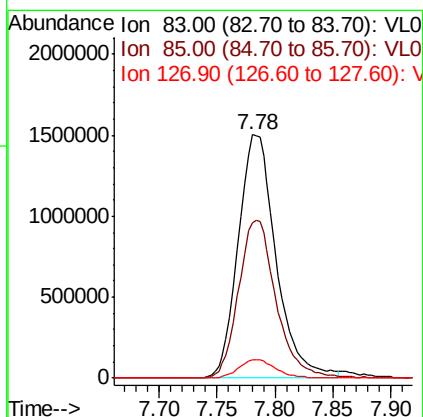
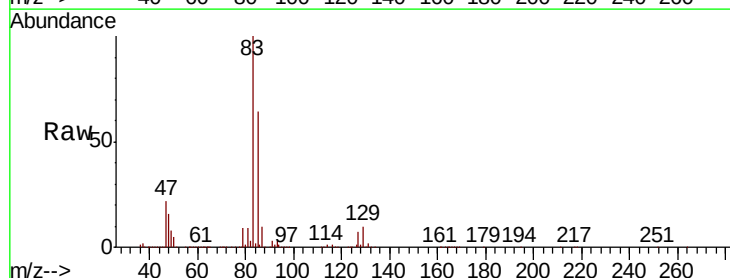
Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.8	47.6
71	37.1	30.6	45.8

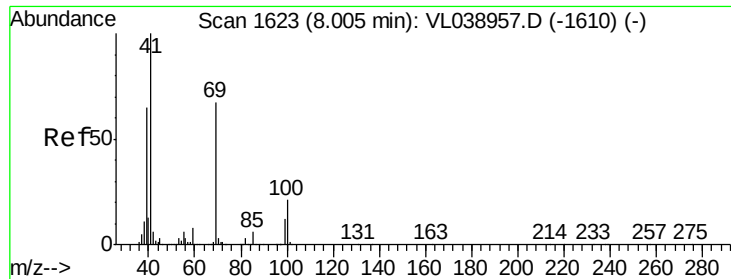


#42
Bromodichloromethane
Concen: 14.948 ppbv
RT: 7.78 min Scan# 1553
Delta R.T.: -0.01 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion: 83 Resp: 3410759

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.0	78.0
127	7.3	6.0	9.0





#43

Methyl Methacrylate

Concen: 16.605 ppbv

RT: 8.00 Instrument: MSVOA_1

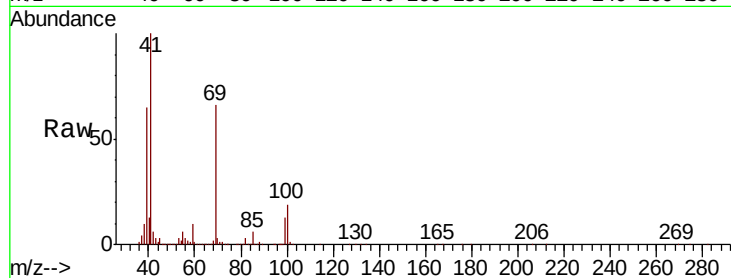
Delta R.T. ClientSampleId:

Lab File: VSTDIC015

Acq: 5 May 2022 8:34

Tot Ion: 69 Resp: 1606737

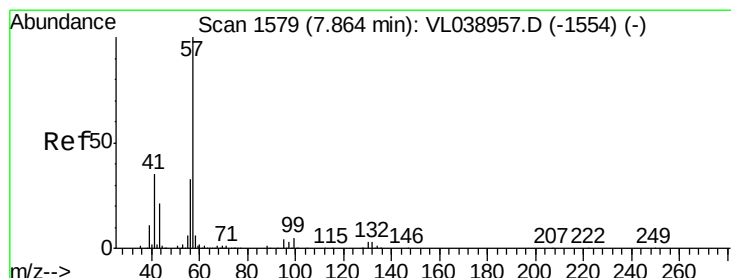
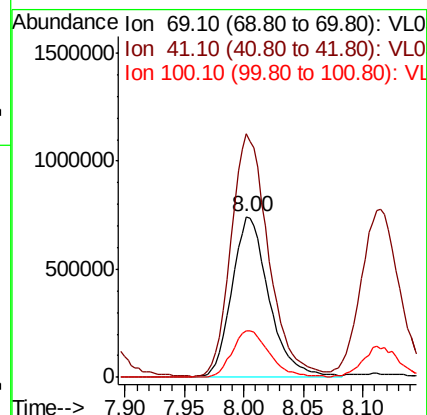
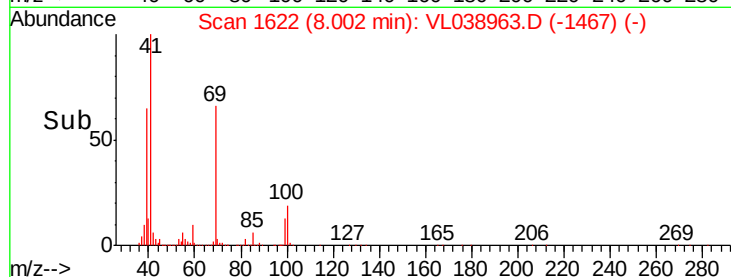
Ion	Ratio	Lower	Upper
69	100		
41	153.5	121.9	182.9
100	29.2	24.6	36.8



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: 12.617 ppbv

RT: 7.86 min Scan# 1578

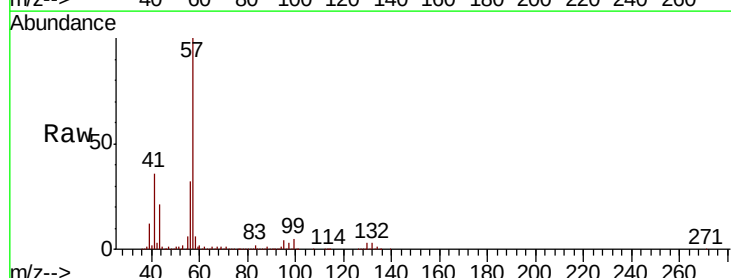
Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

Tgt Ion: 57 Resp: 6258549

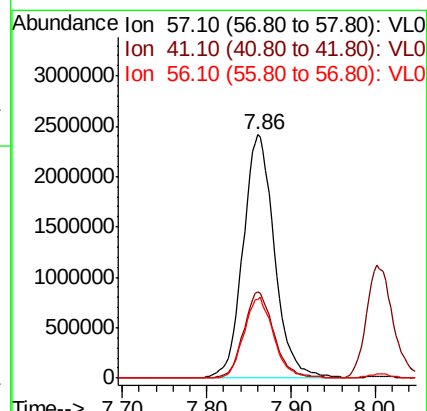
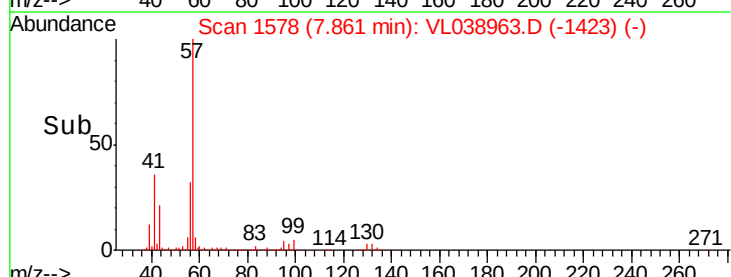
Ion	Ratio	Lower	Upper
57	100		
41	34.0	26.3	39.5
56	31.5	24.6	37.0

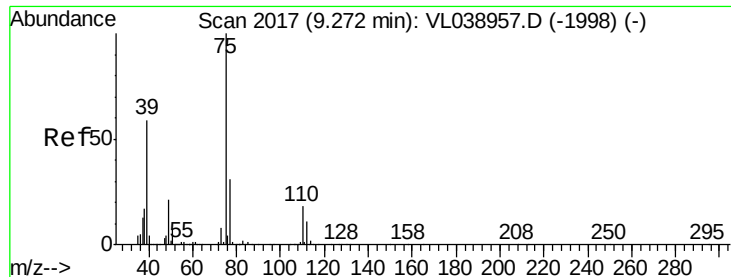


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 17.670 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

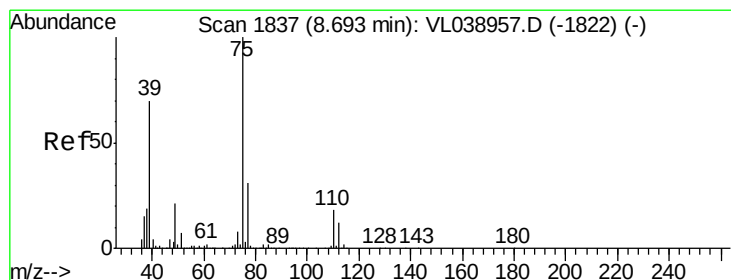
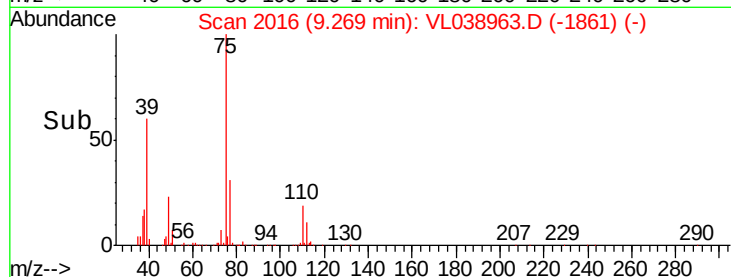
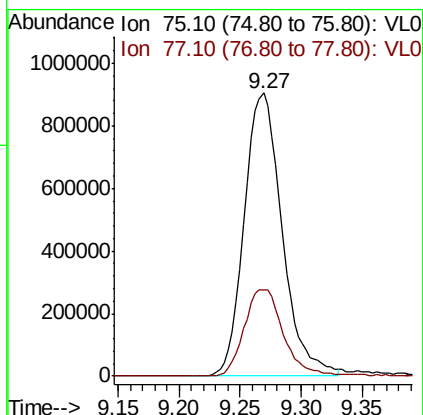
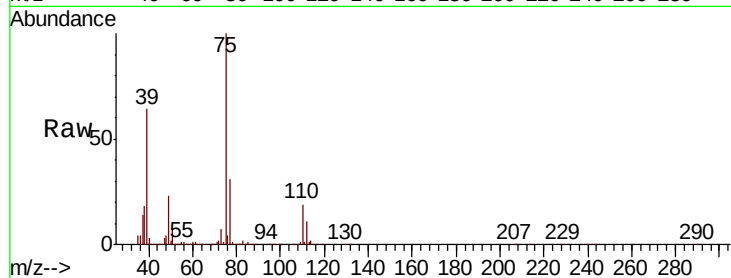
Acq: 5 May 2022 8:34 VSTDIC015

Tot Ion: 75 Resp: 1938782

Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 16.631 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

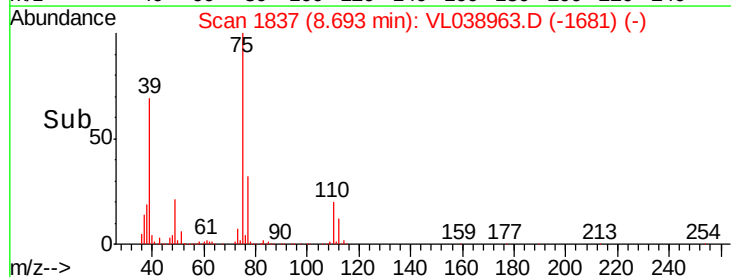
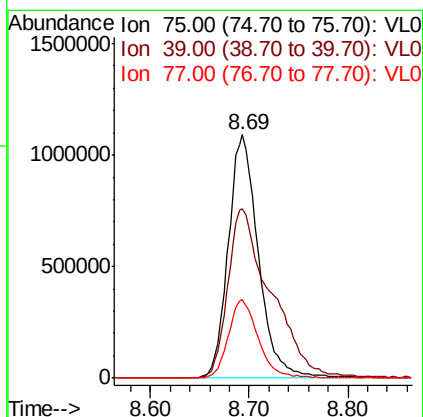
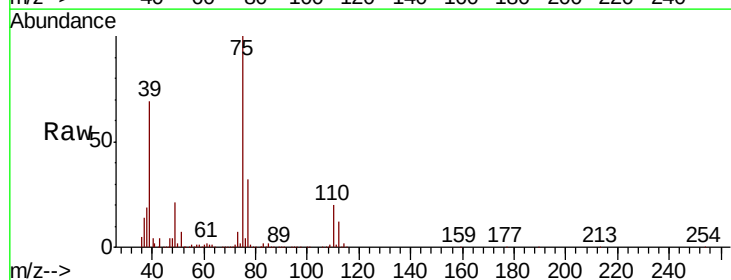
Tgt Ion: 75 Resp: 2318427

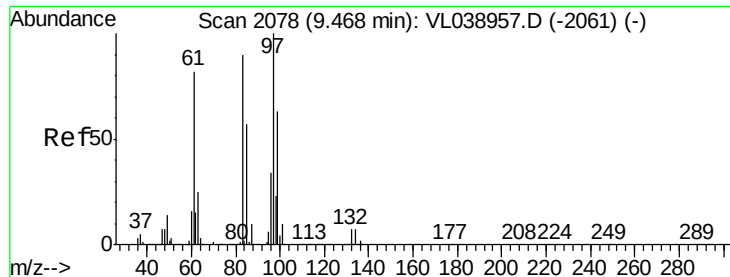
Ion Ratio Lower Upper

75 100

39 69.4 55.8 83.6

77 32.0 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 13.242 ppbv

RT: 9.46 Instrument:

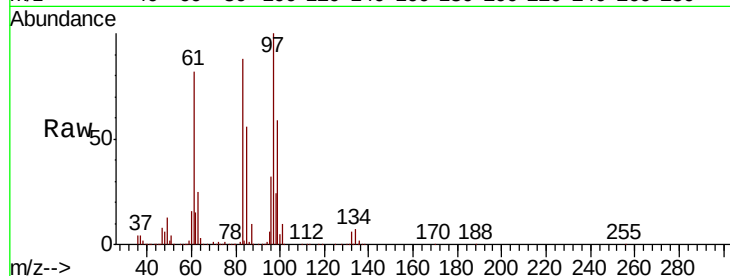
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 8:34 VSTDIC015

Tot Ion: 97 Resp: 1530993

Ion	Ratio	Lower	Upper
97	100		
83	88.3	72.0	108.0
85	56.0	45.7	68.5
99	59.3	50.2	75.4



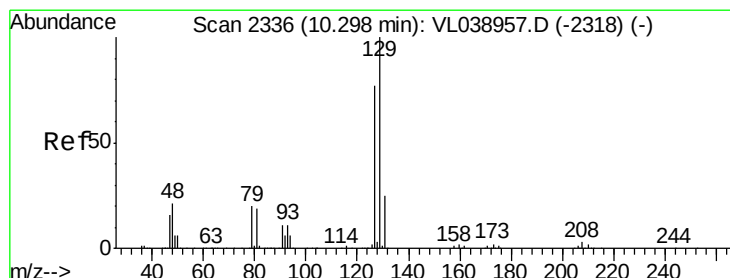
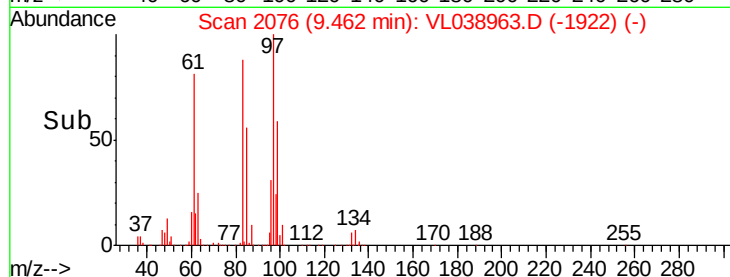
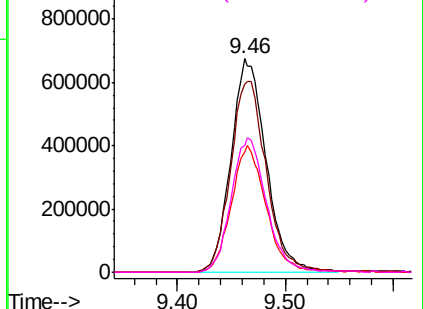
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 15.218 ppbv

RT: 10.29 min Scan# 2335

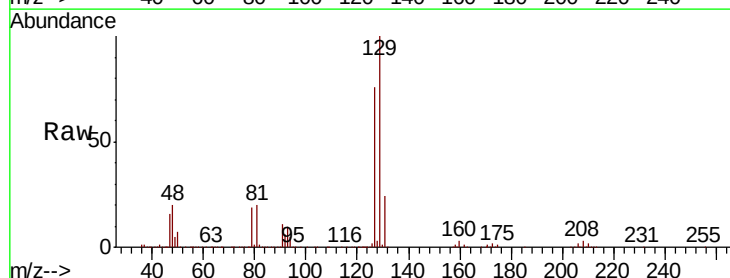
Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

Tgt Ion: 129 Resp: 2705427

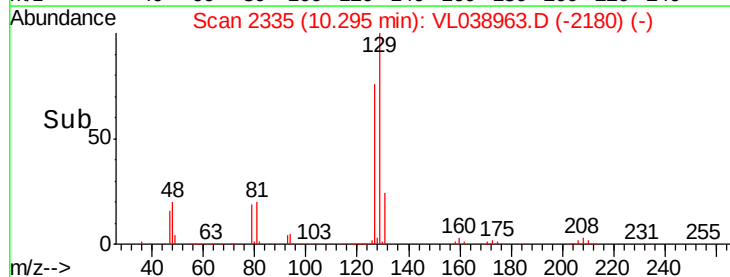
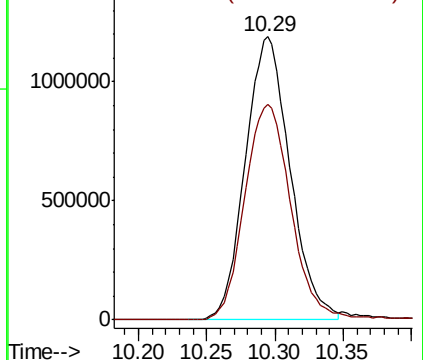
Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.3	117.9

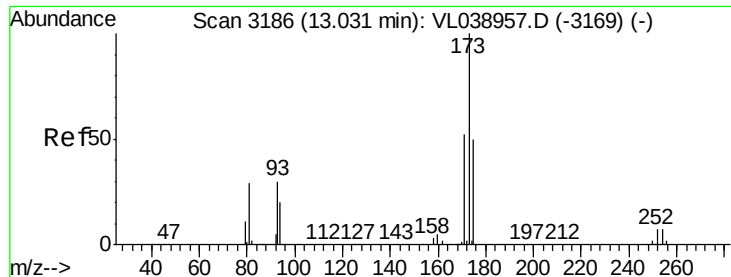


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 14.736 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 8:34

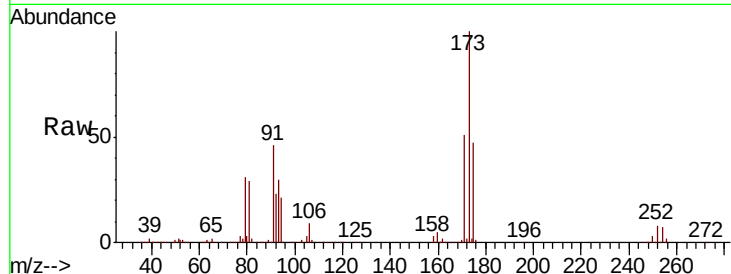
Tot Ion:173 Resp: 2096404

Ion Ratio Lower Upper

173 100

175 53.5 41.0 61.6

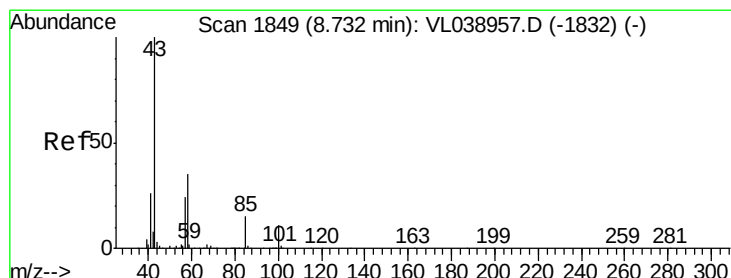
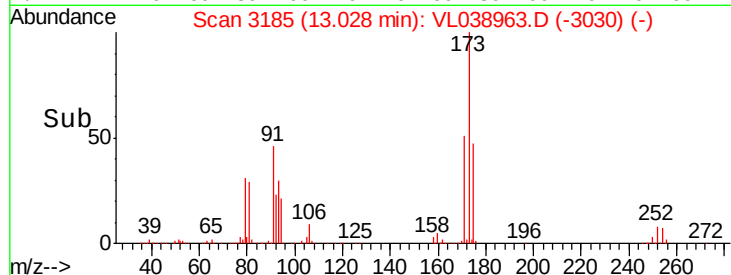
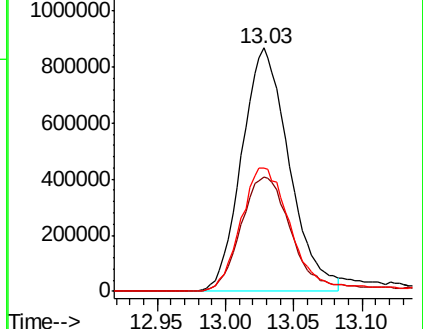
171 57.2 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 17.544 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VL038963.D

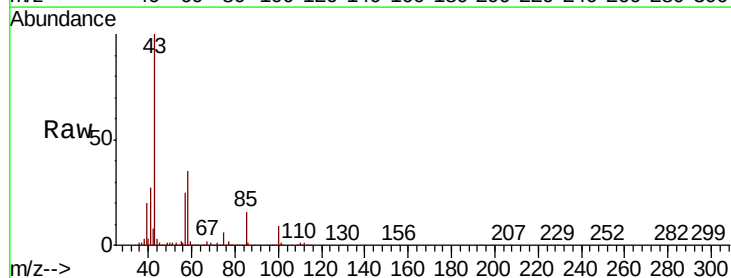
Acq: 5 May 2022 6:34

Tgt Ion: 43 Resp: 4001752

Ion Ratio Lower Upper

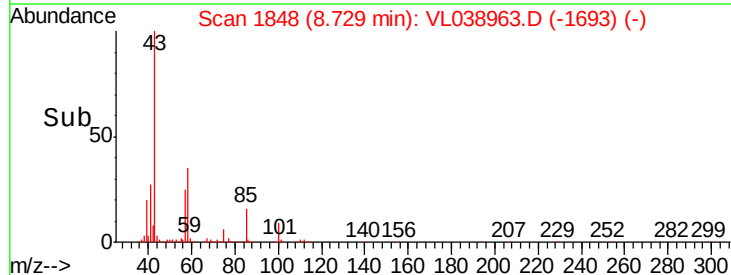
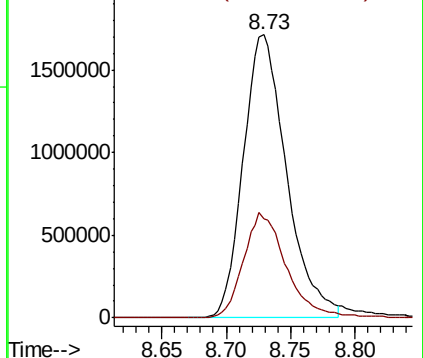
43 100

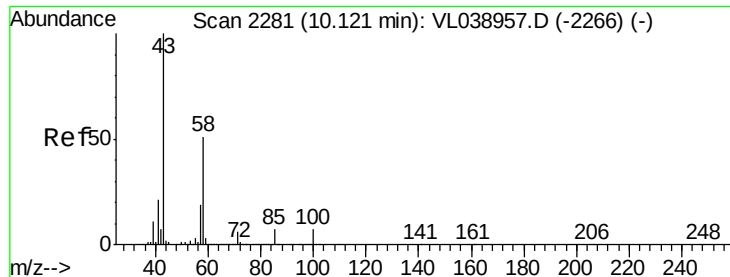
58 37.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 25.720 ppbv

RT: 10.12

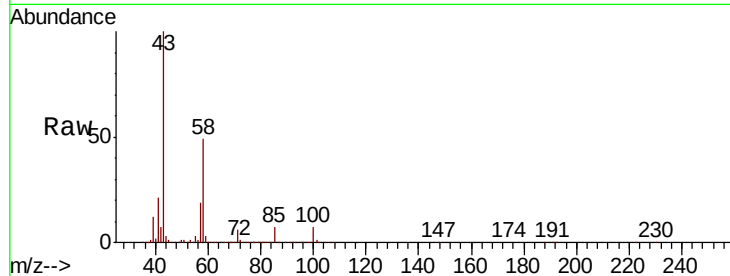
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

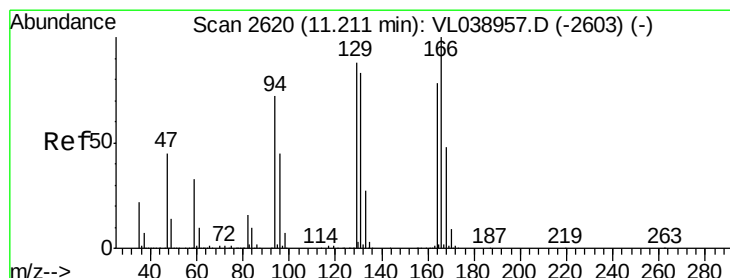
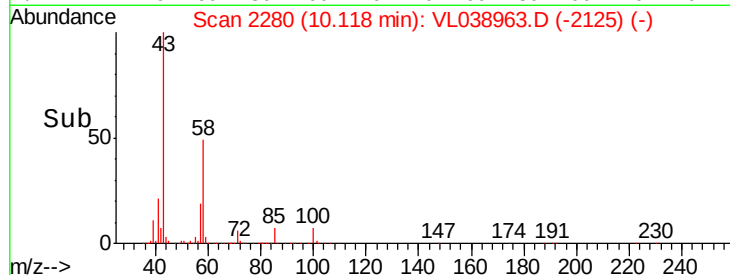
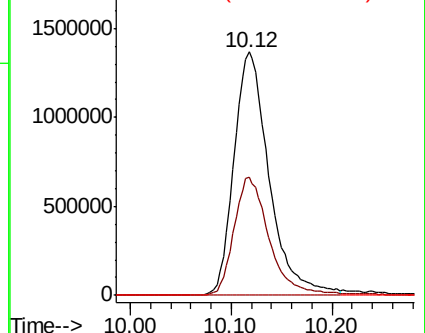
Acq: 5 May 2022 0:34

Tot Ion: 43 Resp: 3320718

Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.3	58.9
98	0.1	0.2	0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 12.364 ppbv

RT: 11.21 min Scan# 2620

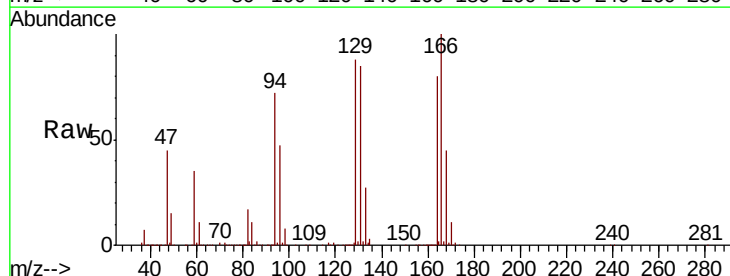
Delta R.T. 0.00 min

Lab File: VL038963.D

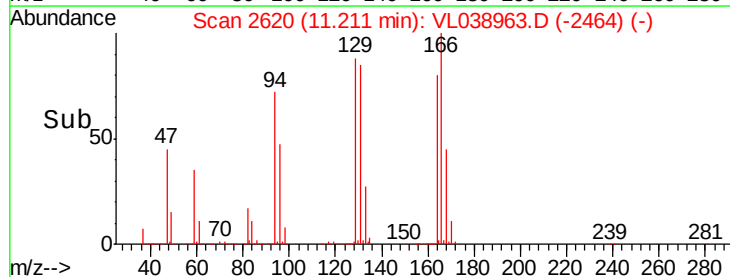
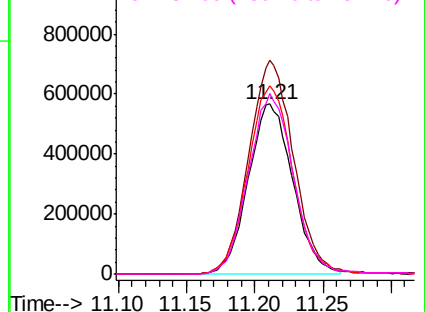
Acq: 5 May 2022 6:34

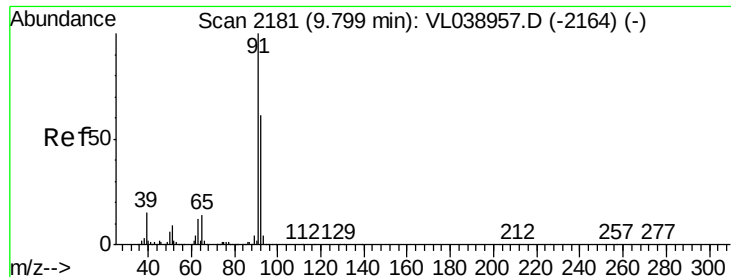
Tgt Ion:164 Resp: 1280252

Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.5	153.7
129	110.2	90.1	135.1
131	106.2	84.8	127.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 14.236 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

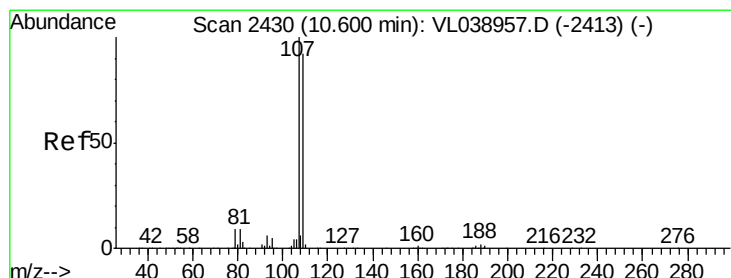
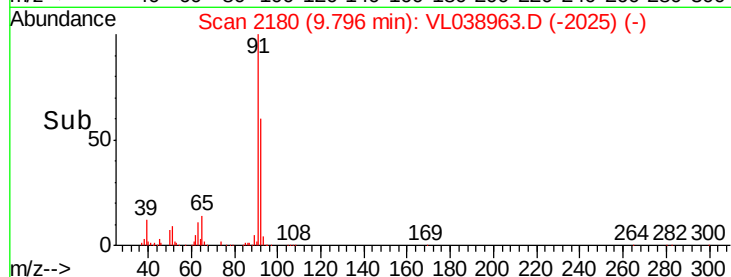
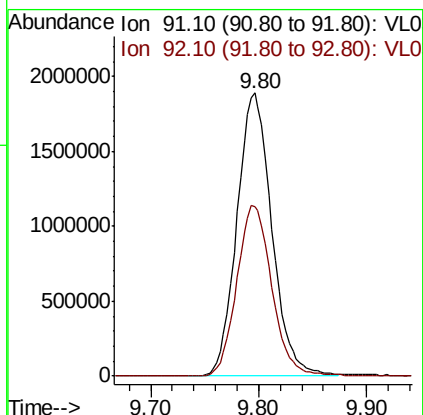
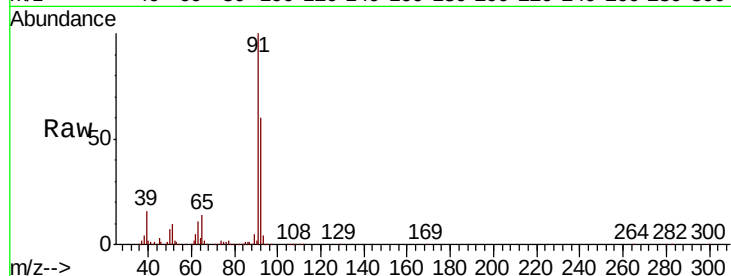
Acq: 5 May 2022 8:34 VSTDIC015

Tot Ion: 91 Resp: 4263520

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.2



#54

1,2-Dibromoethane

Concen: 13.534 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL038963.D

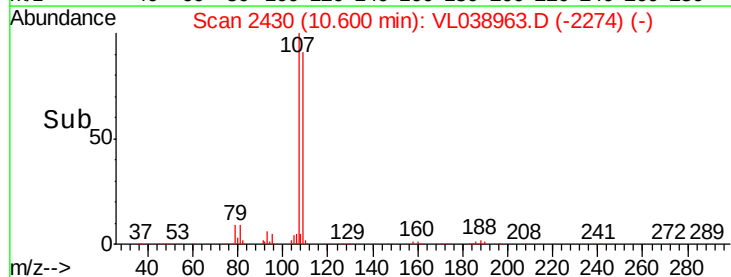
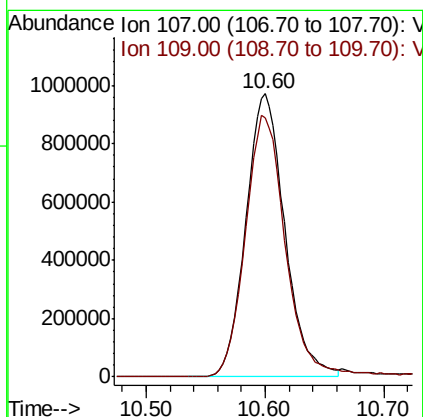
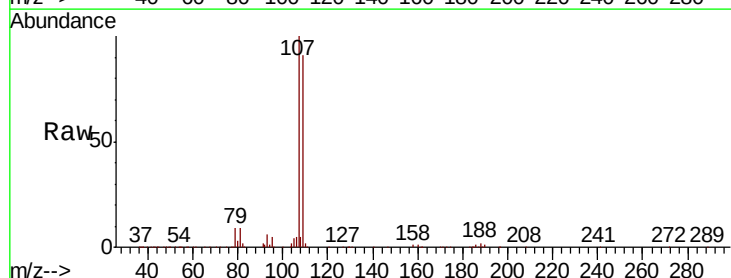
Acq: 5 May 2022 6:34

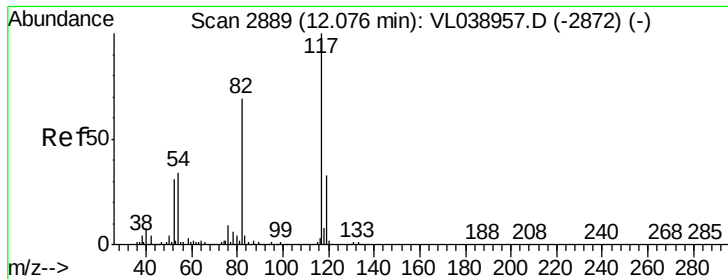
Tgt Ion: 107 Resp: 2203779

Ion Ratio Lower Upper

107 100

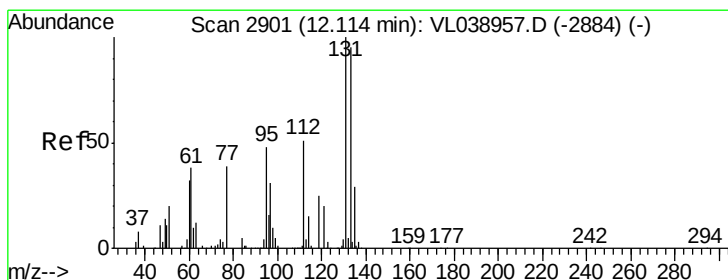
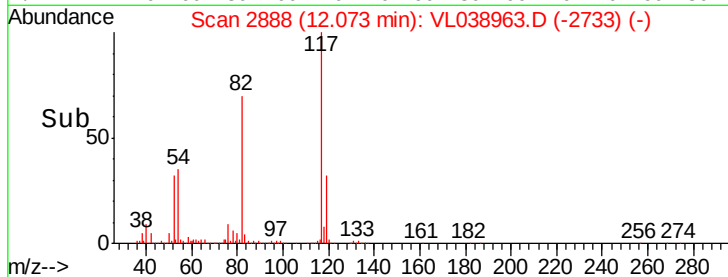
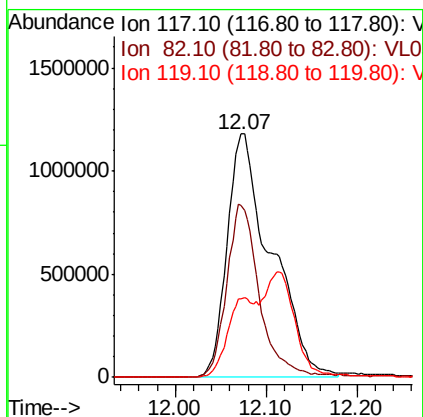
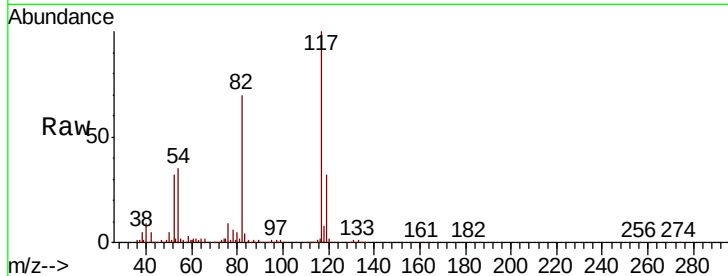
109 91.3 73.8 110.8





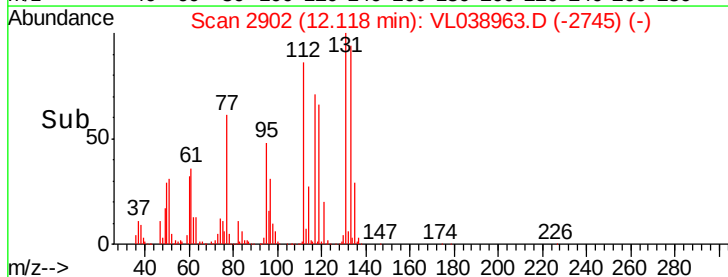
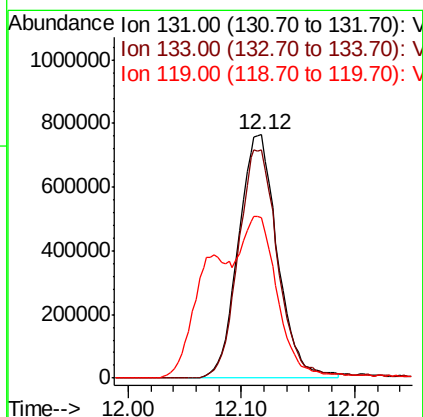
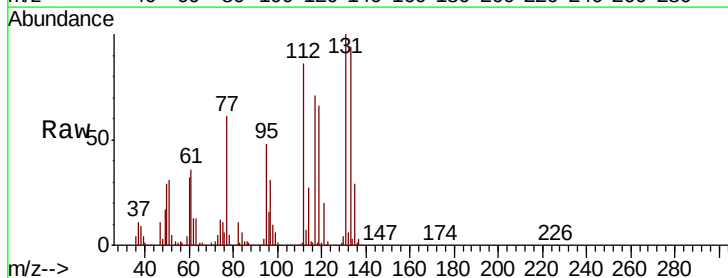
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC015
Acq: 5 May 2022 8:34

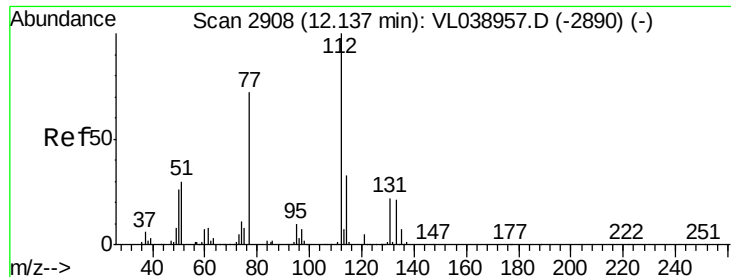
Tot Ion:117 Resp: 3968757
Ion Ratio Lower Upper
117 100
82 53.8 57.0 85.6#
119 52.8 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.265 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

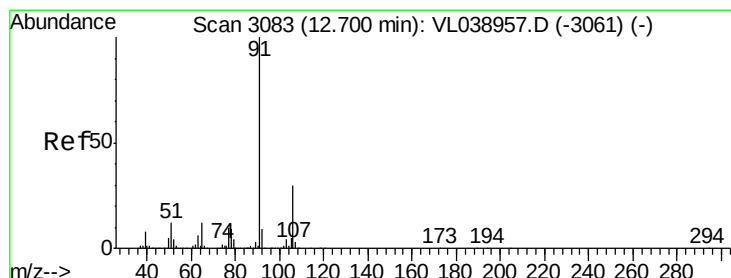
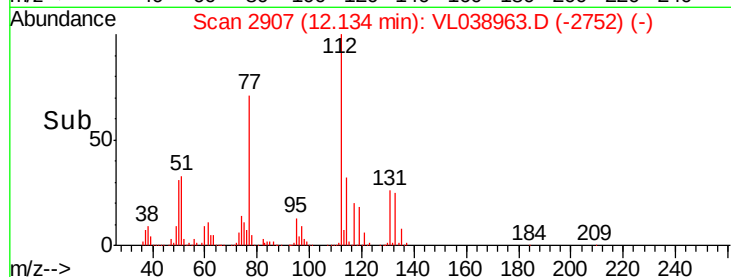
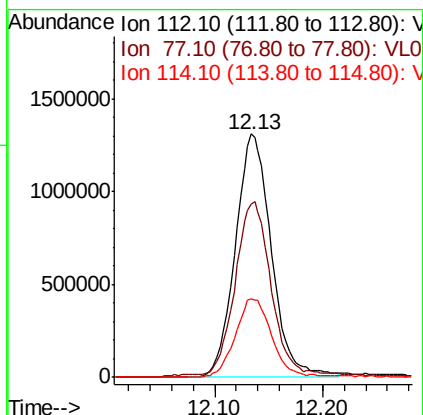
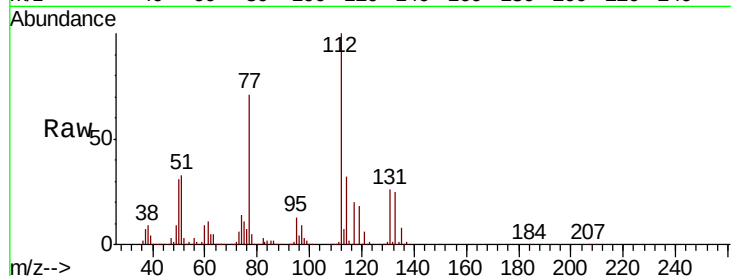
Tgt Ion:131 Resp: 1834964
Ion Ratio Lower Upper
131 100
133 96.8 76.9 115.3
119 115.4 47.4 71.0#





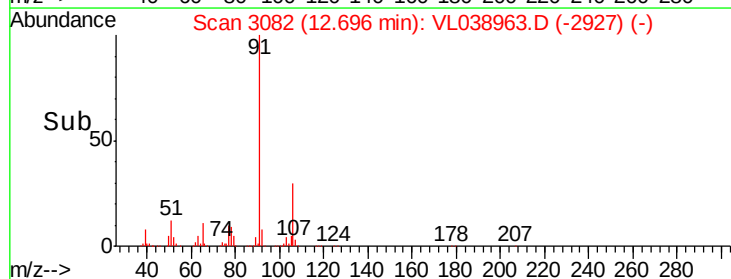
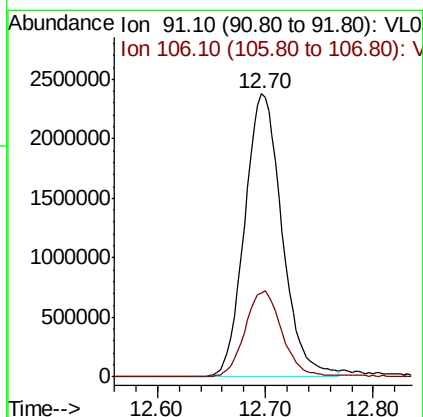
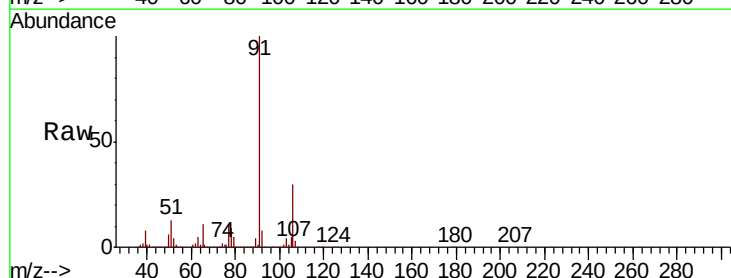
#57
Chlorobenzene
Concen: 9.188 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC015
Acq: 5 May 2022 6:34

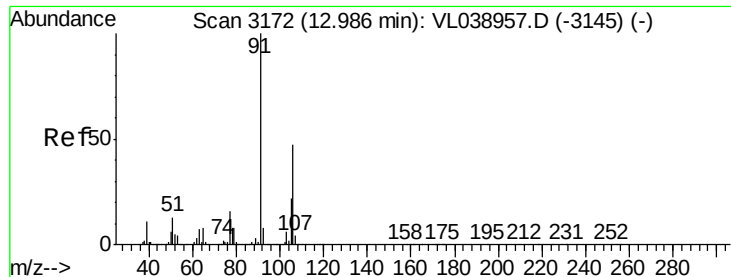
Tot Ion: 112 Resp: 3050179
Ion Ratio Lower Upper
112 100
77 70.2 57.7 86.5
114 31.9 30.1 36.7



#58
Ethyl Benzene
Concen: 10.030 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

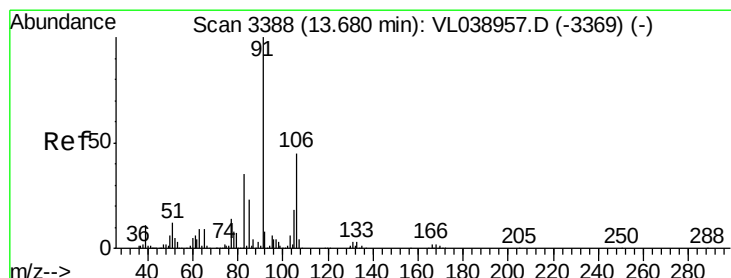
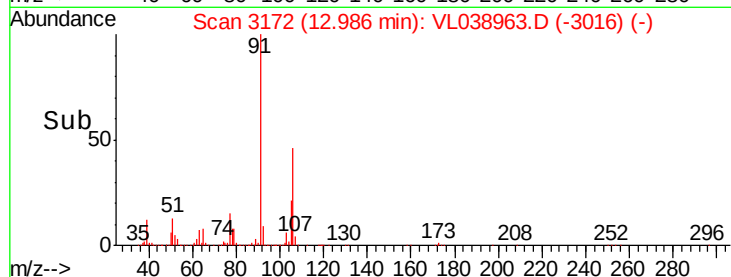
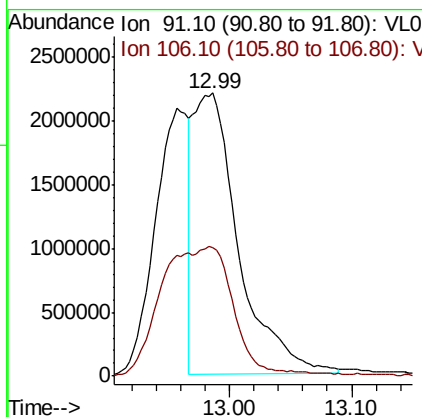
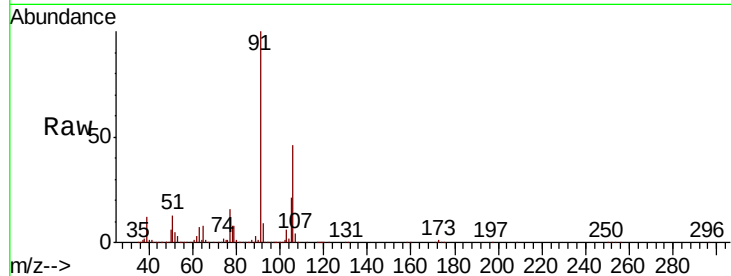
Tgt Ion: 91 Resp: 5722884
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.4





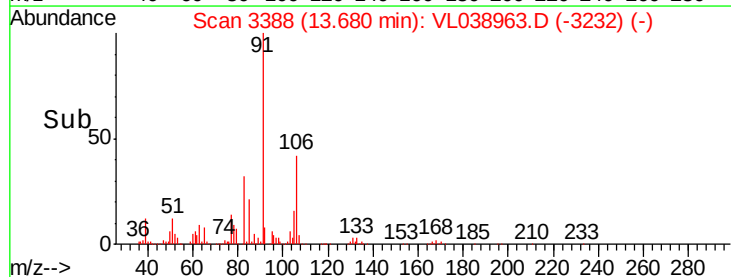
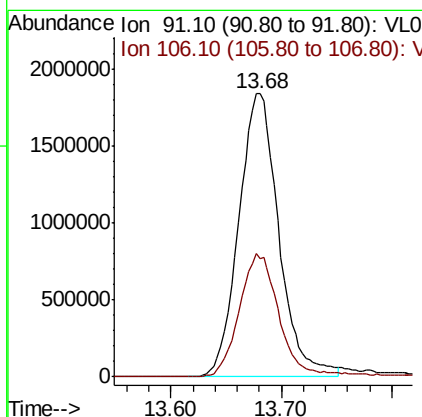
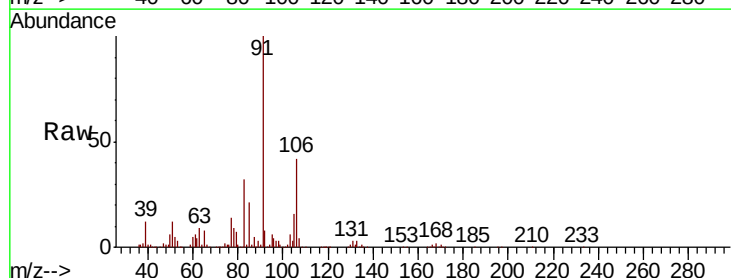
#59
m/p-Xylene
Concen: 11.283 ppbv
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC015
Acq: 5 May 2022 6:34

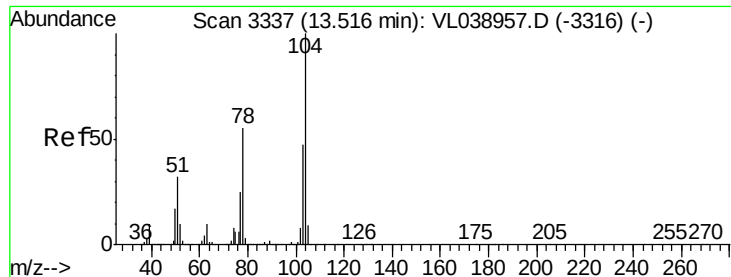
Tot Ion: 91 Resp: 5629790
Ion Ratio Lower Upper
91 100
106 75.9 34.6 52.0#



#60
o-Xylene
Concen: 9.601 ppbv
RT: 13.68 min Scan# 3388
Delta R.T.: 0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion: 91 Resp: 4628501
Ion Ratio Lower Upper
91 100
106 44.4 22.2 66.6





#61

Stvrene

Concen: 11.113 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 8:34

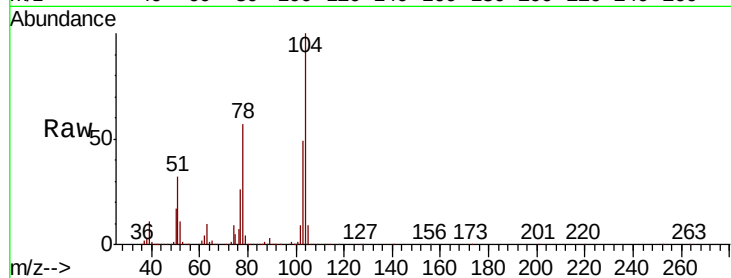
Tot Ion:104 Resp: 2669477

Ion Ratio Lower Upper

104 100

78 59.7 46.4 69.6

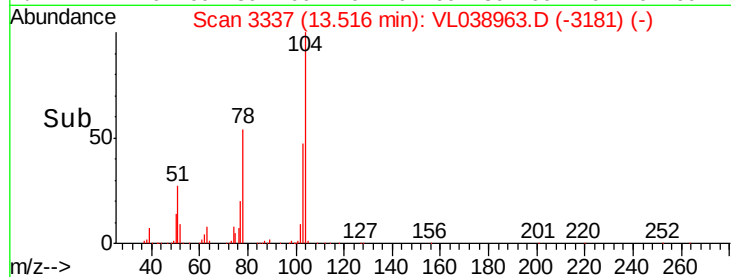
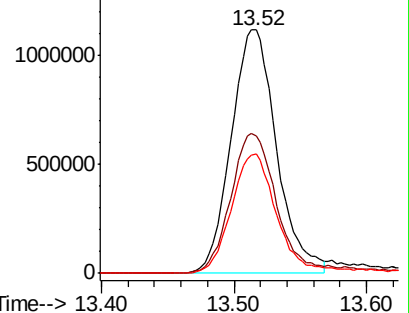
103 50.1 39.3 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.299 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.00 min

Lab File: VL038963.D

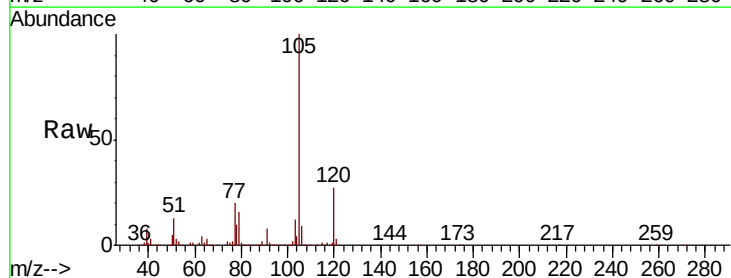
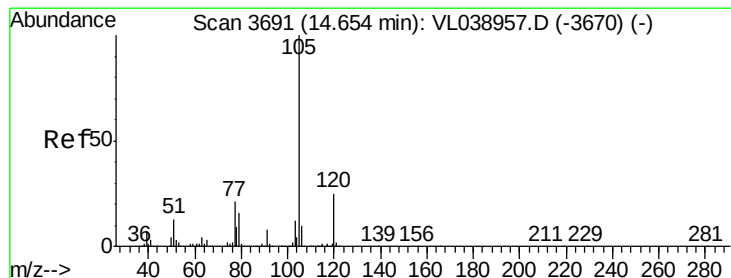
Acq: 5 May 2022 6:34

Tgt Ion:105 Resp: 6761124

Ion Ratio Lower Upper

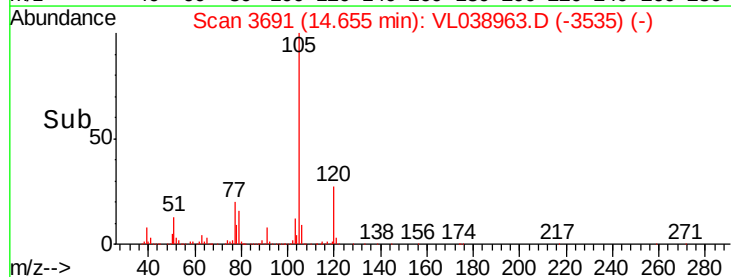
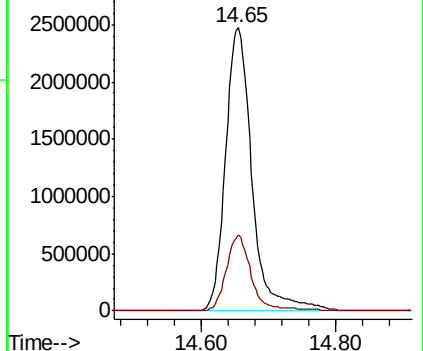
105 100

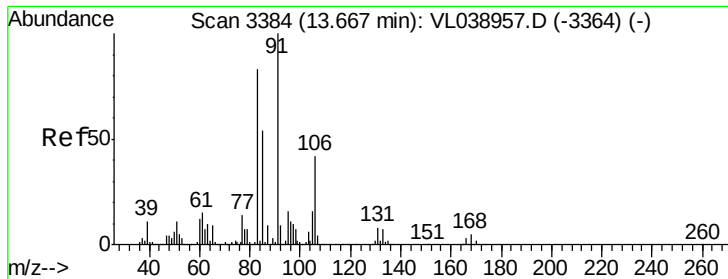
120 25.5 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

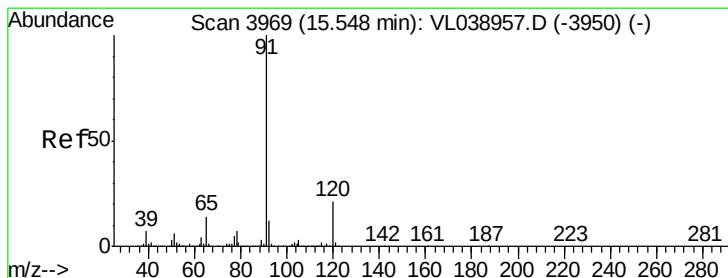
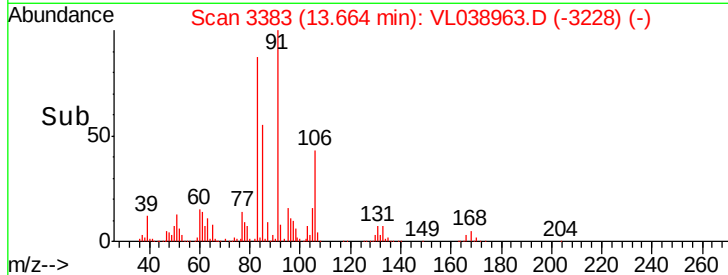
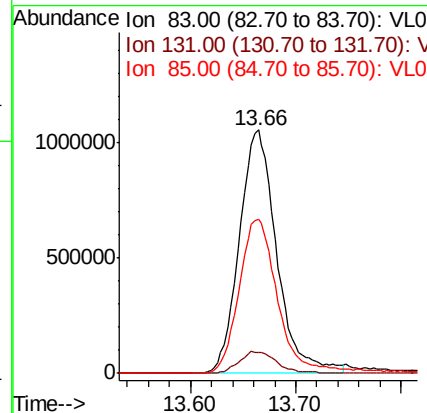
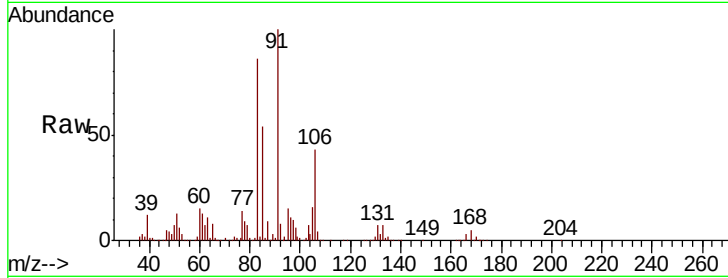




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.184 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC015
 Acq: 5 May 2022 8:34

Tot Ion: 83 Resp: 2595696

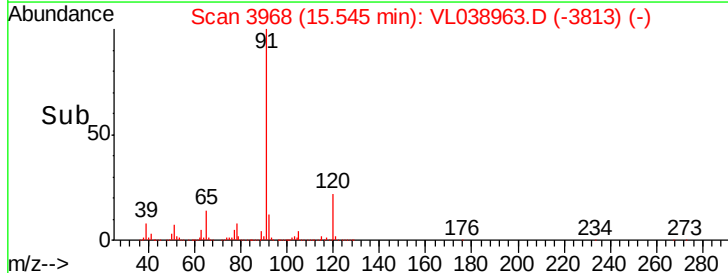
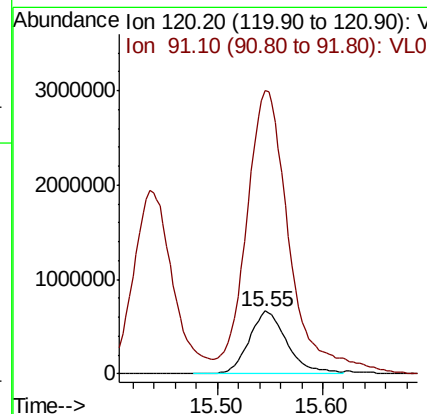
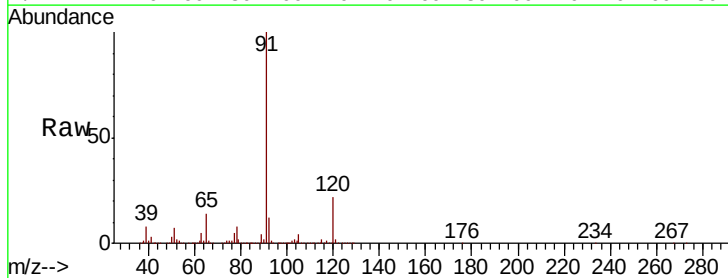
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.7
85	66.9	32.8	98.3

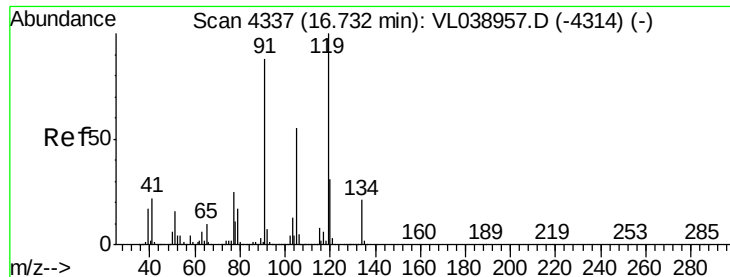


#64
 n-propylbenzene
 Concen: 10.475 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

Tgt Ion:120 Resp: 1677207

Ion	Ratio	Lower	Upper
120	100		
91	506.9	400.6	601.0

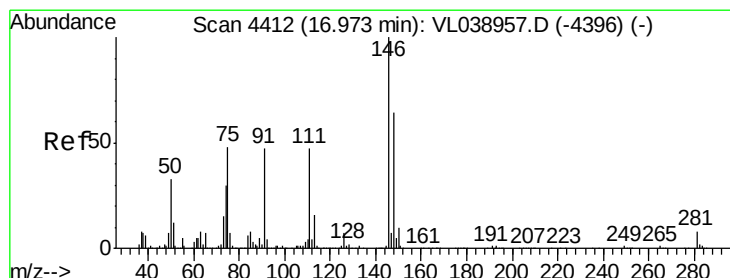
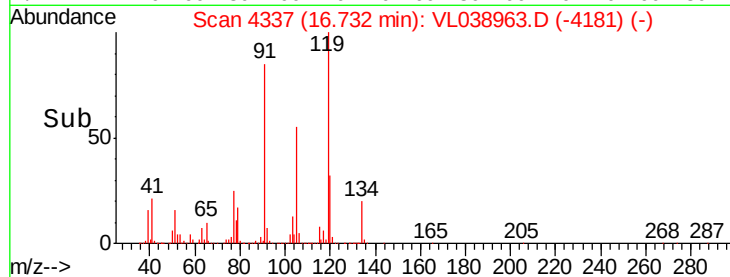
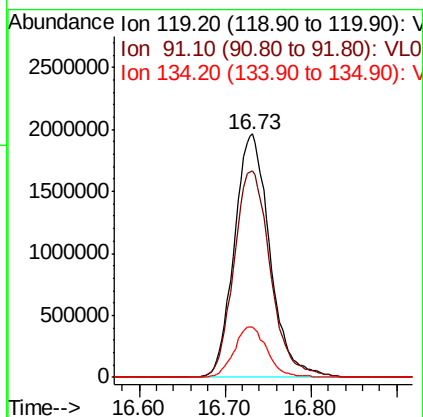
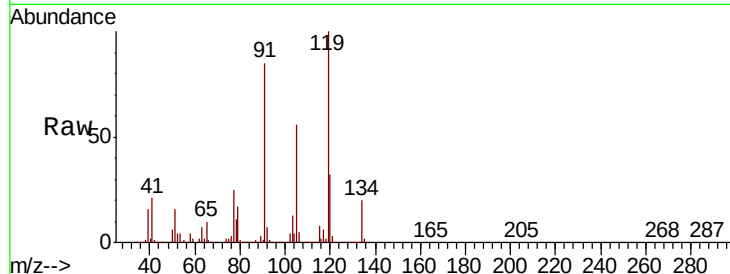




#65
 tert-Butylbenzene
 Concen: 9.884 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VSTDIC015
 Acq: 5 May 2022 8:34

Tot Ion: 119 Resp: 5633670

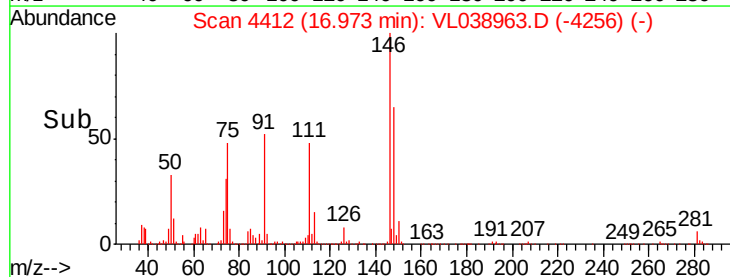
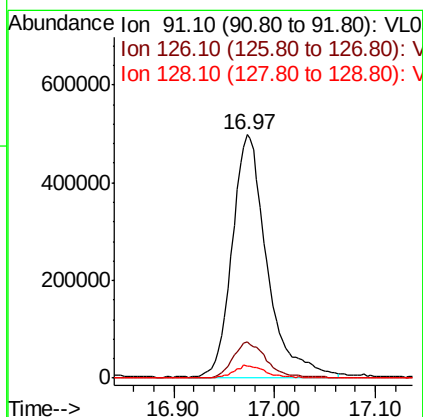
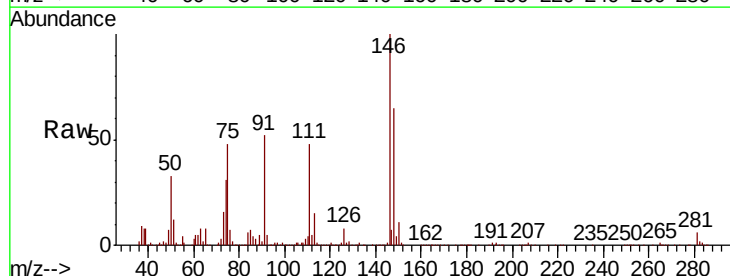
Ion	Ratio	Lower	Upper
119	100		
91	87.4	69.4	104.2
134	19.4	15.8	23.8

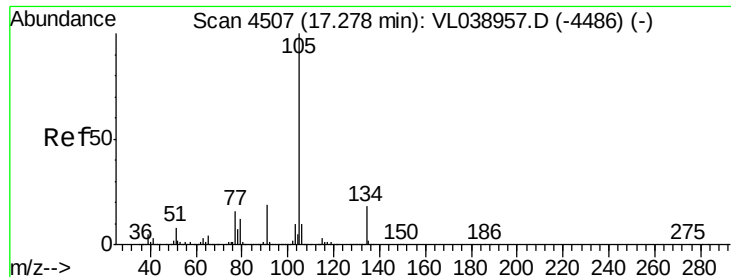


#66
 Benzyl Chloride
 Concen: 17.019 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T.: 0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

Tgt Ion: 91 Resp: 1186623

Ion	Ratio	Lower	Upper
91	100		
126	14.9	11.8	17.6
128	5.0	4.2	6.2





#67

sec-Butylbenzene

Concen: 9.940 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

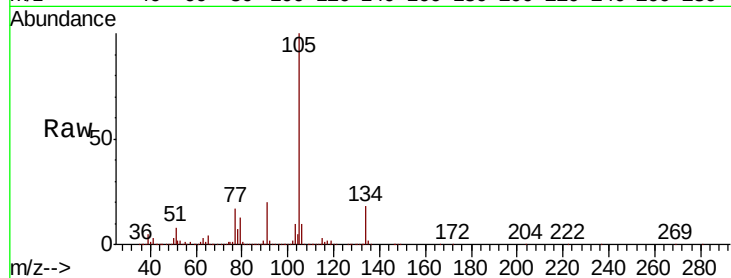
Acq: 5 May 2022 8:34

Tot Ion: 105 Resp: 8042944

Ion Ratio Lower Upper

105 100

134 18.1 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

3000000

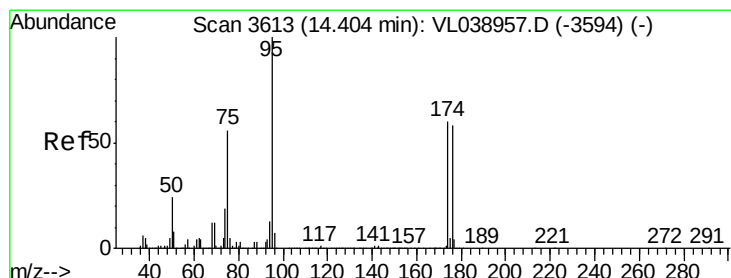
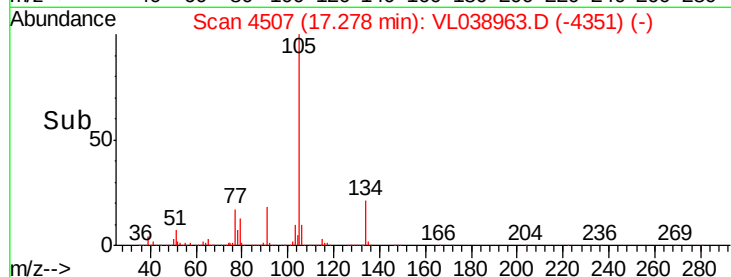
2000000

1000000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 7.291 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

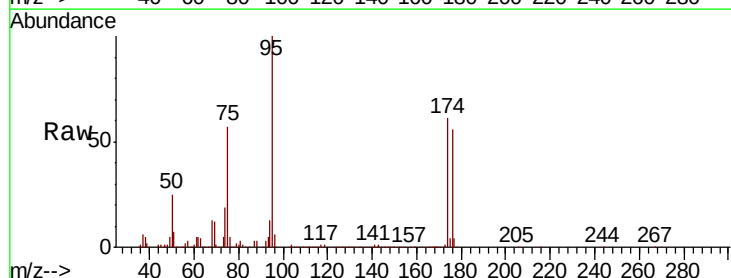
Tgt Ion: 95 Resp: 2288785

Ion Ratio Lower Upper

95 100

174 65.0 50.8 76.2

175 4.6 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.40

1200000

1000000

800000

600000

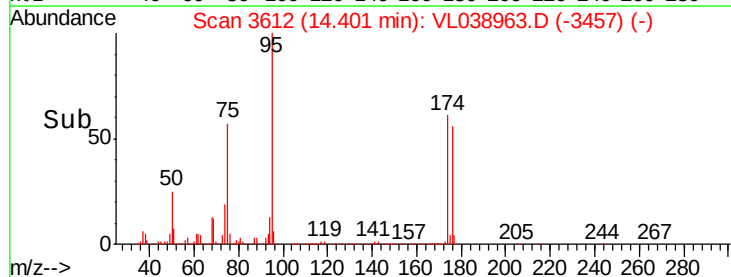
400000

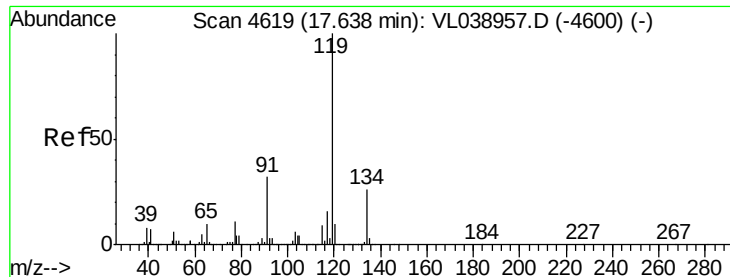
200000

0

Time-->

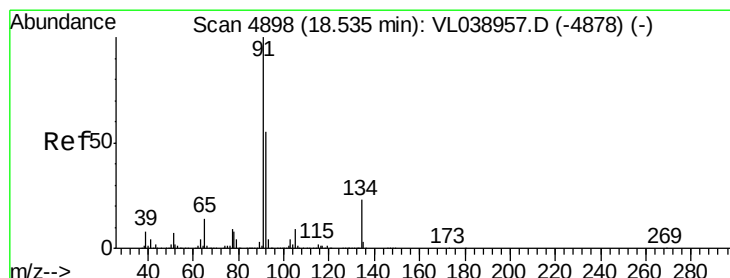
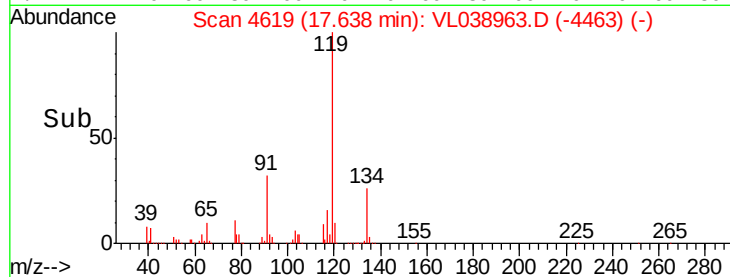
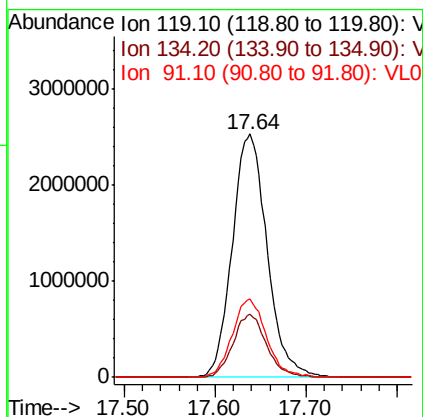
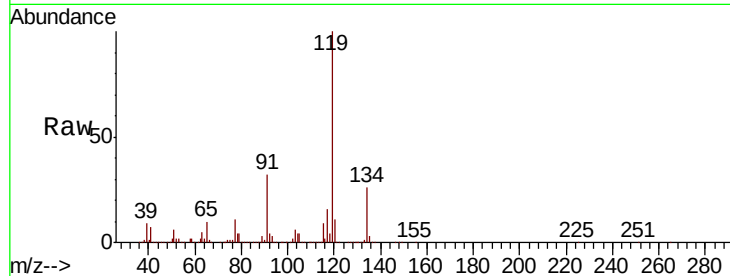
14.30 14.40





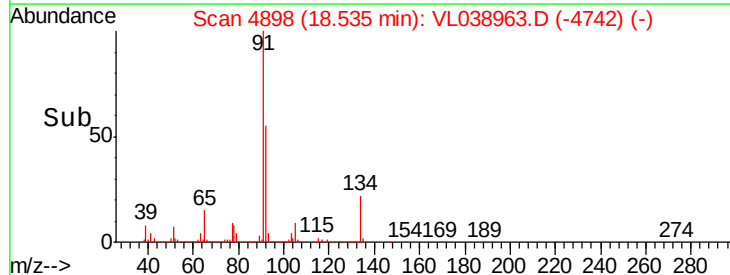
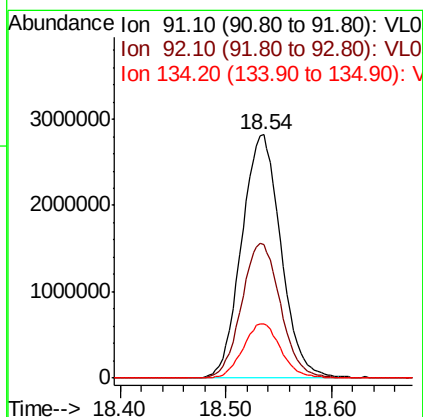
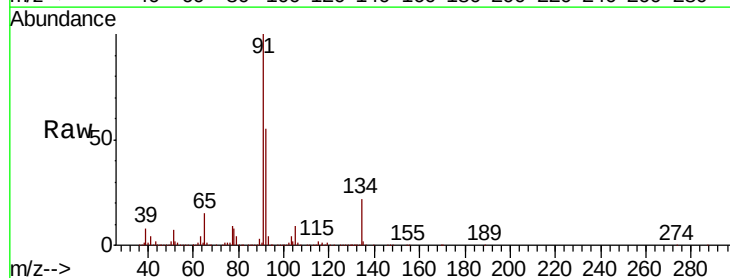
#69
 p-Isopropyltoluene
 Concen: 10.591 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDIC015
 Acq: 5 May 2022 8:34

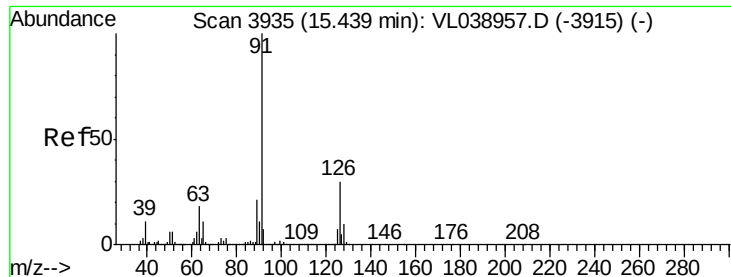
Tot Ion: 119 Resp: 6697646
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.0 30.0
 91 31.5 24.8 37.2



#70
 n-Butylbenzene
 Concen: 11.003 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T.: 0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

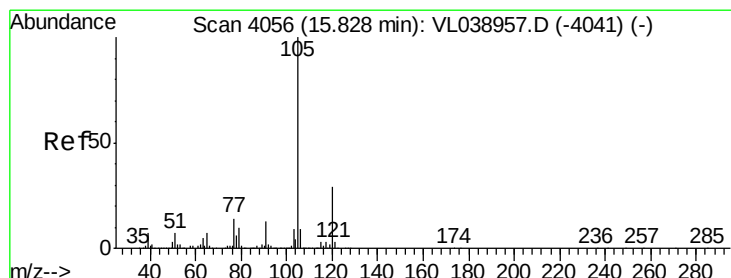
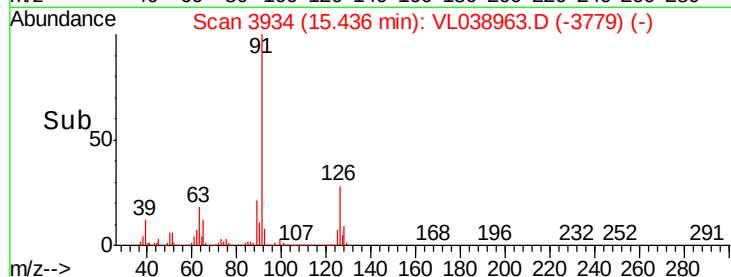
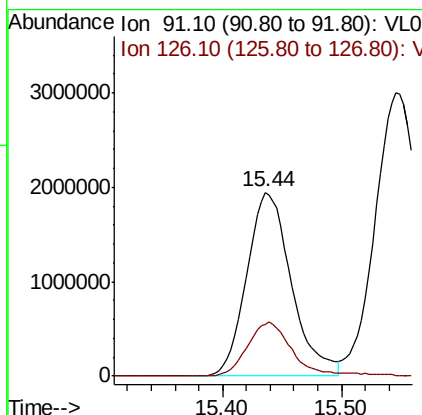
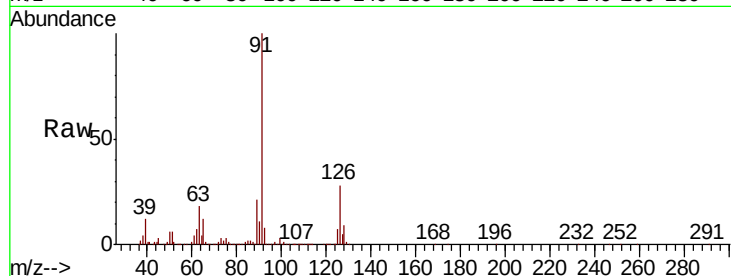
Tgt Ion: 91 Resp: 7295169
 Ion Ratio Lower Upper
 91 100
 92 55.1 43.1 64.7
 134 21.7 17.0 25.4





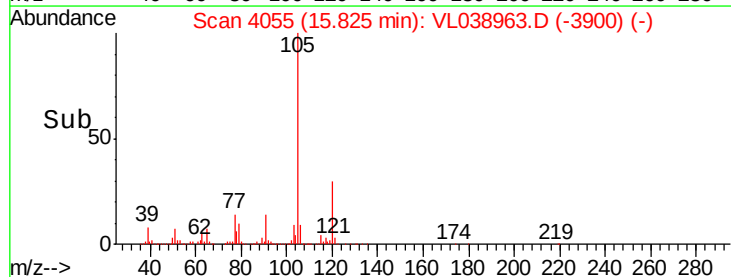
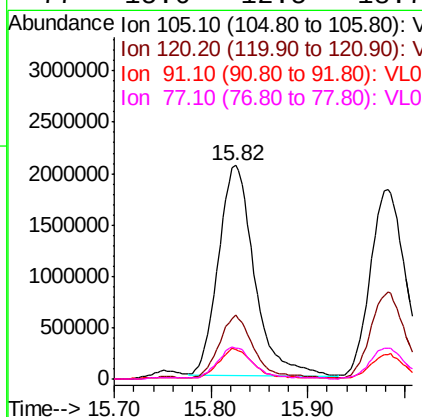
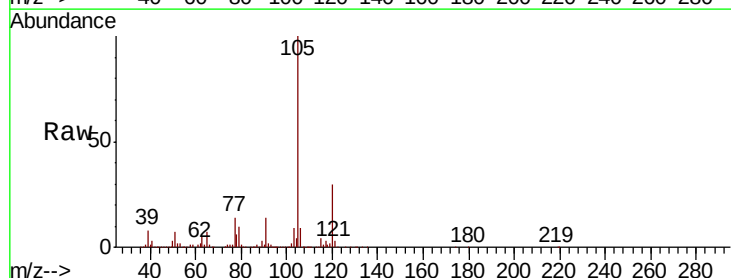
#71
 2-Chlorotoluene
 Concen: 10.242 ppbv
 RT: 15.44 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 5 May 2022 8:34

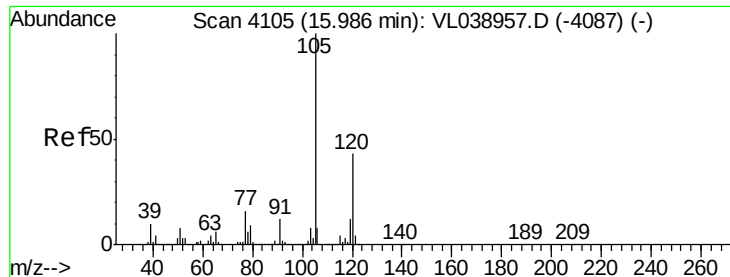
Tot Ion: 91 Resp: 5057674
 Ion Ratio Lower Upper
 91 100
 126 30.3 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 10.037 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T.: -0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

Tgt Ion: 105 Resp: 5311996
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.4 35.0
 91 13.6 10.6 16.0
 77 15.6 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 10.005 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

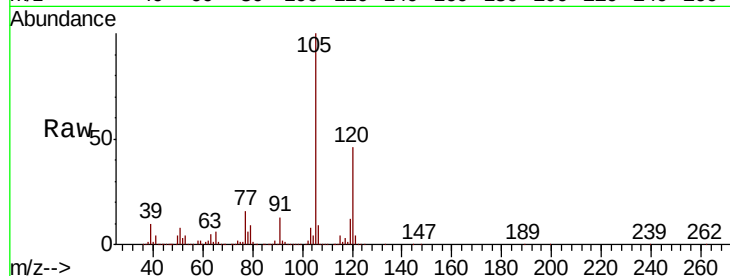
Acq: 5 May 2022 8:34

Tot Ion:105 Resp: 4935036

Ion Ratio Lower Upper

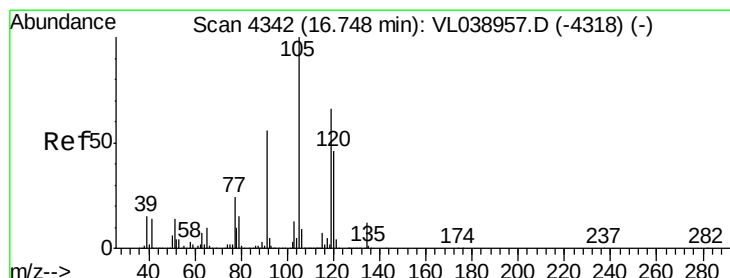
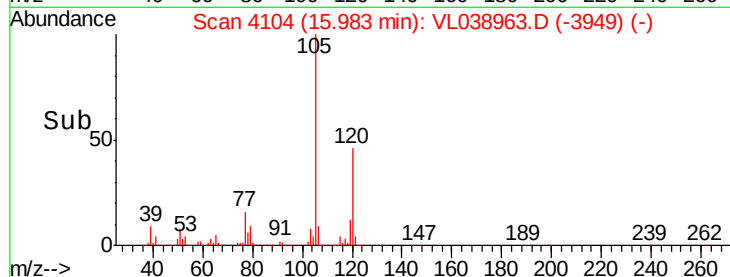
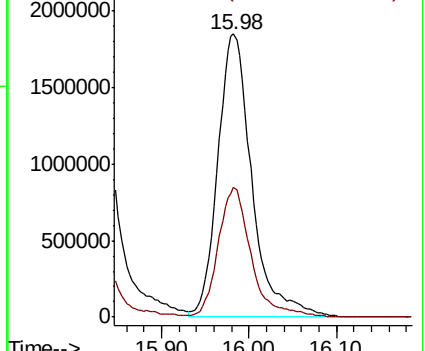
105 100

120 46.0 34.4 51.6



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: 9.639 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL038963.D

Acq: 5 May 2022 6:34

Tgt Ion:105 Resp: 5133602

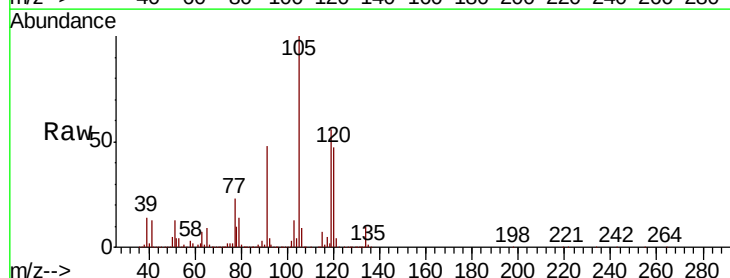
Ion Ratio Lower Upper

105 100

120 46.8 36.9 55.3

91 48.3 45.0 67.4

77 22.8 19.2 28.8

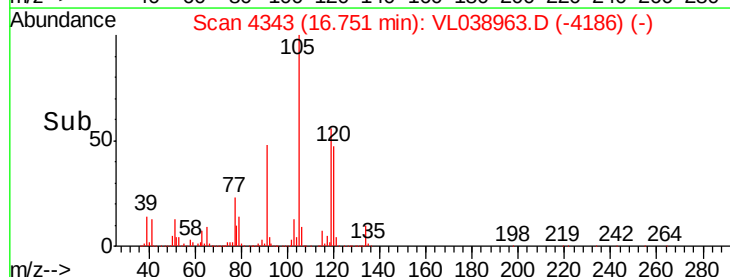
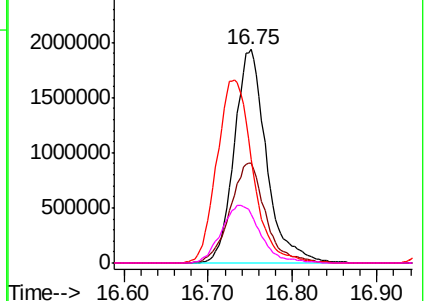


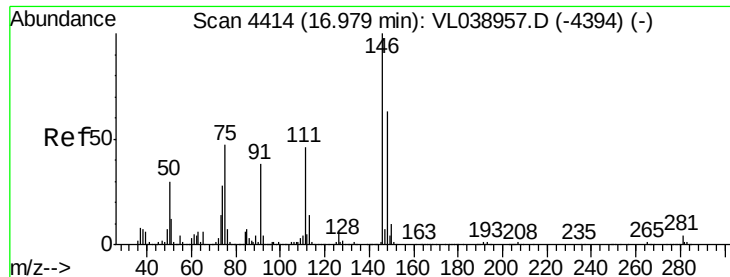
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

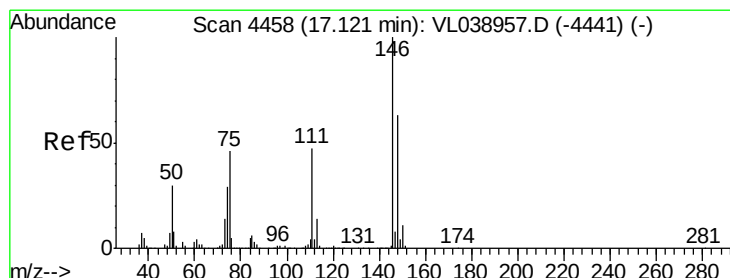
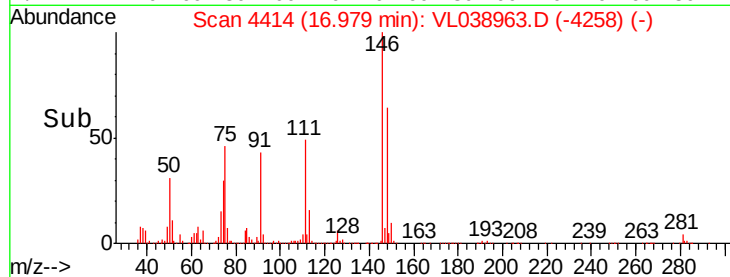
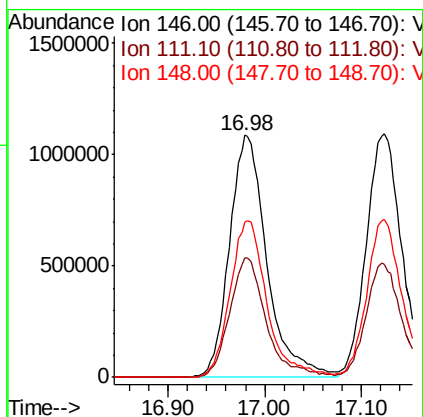
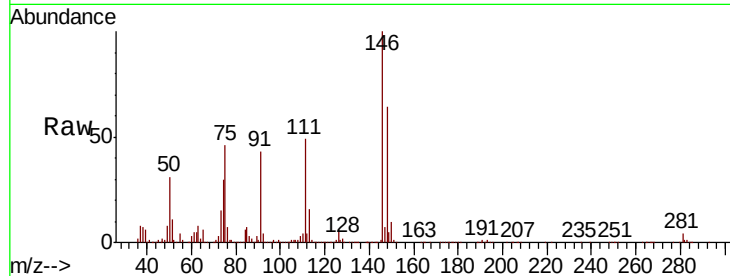
Ion 77.10 (76.80 to 77.80): VL0





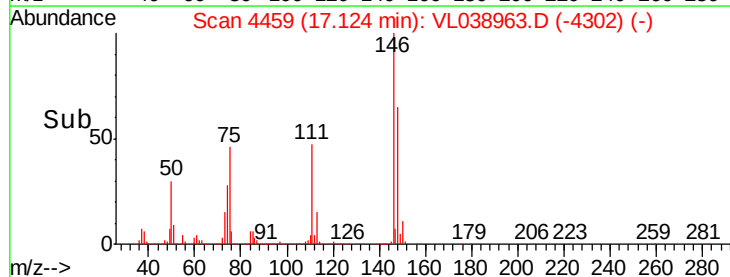
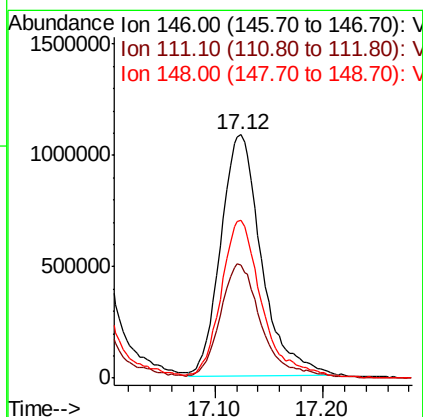
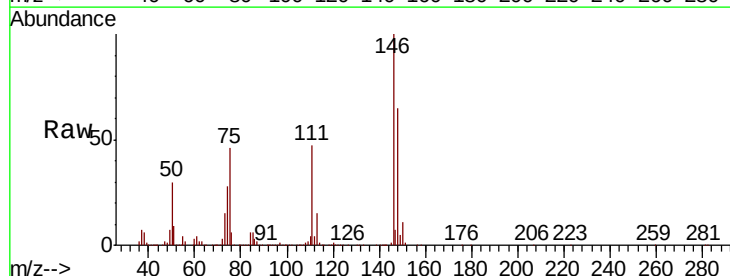
#75
 1,3-Dichlorobenzene
 Concen: 9.805 ppbv
 RT: 16.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 5 May 2022 8:34

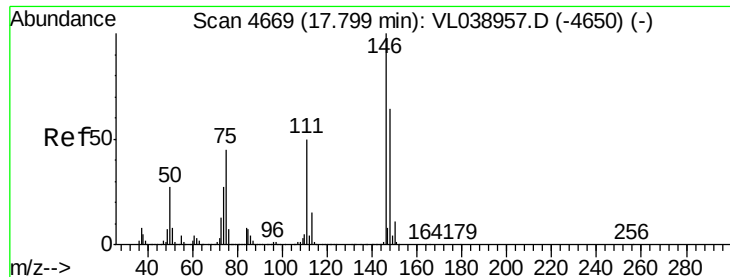
Tot Ion:146 Resp: 2924544
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.1 72.2
 148 63.8 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 9.567 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

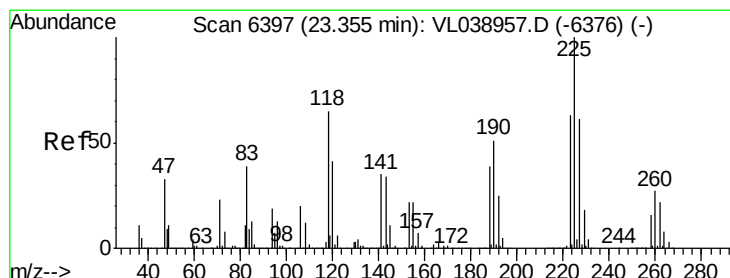
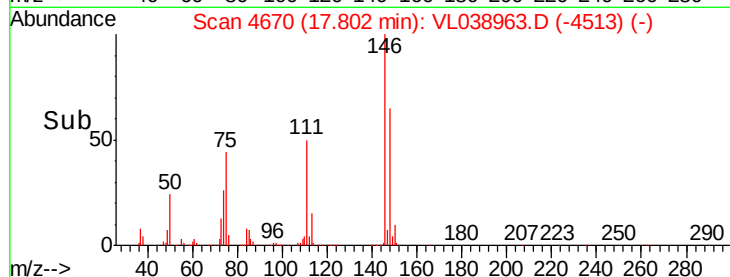
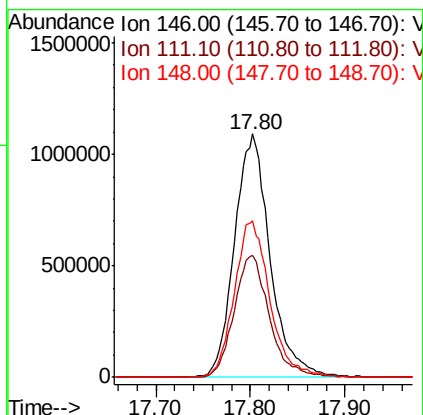
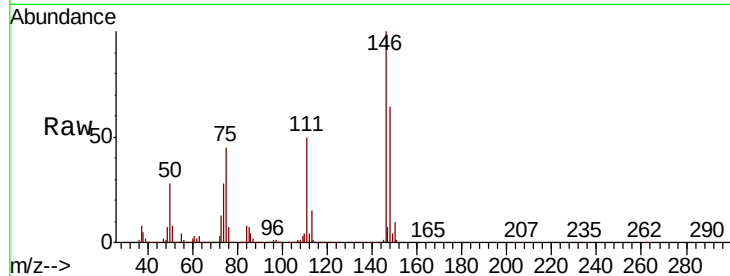
Tgt Ion:146 Resp: 2843707
 Ion Ratio Lower Upper
 146 100
 111 48.4 23.6 71.0
 148 66.1 32.2 96.6





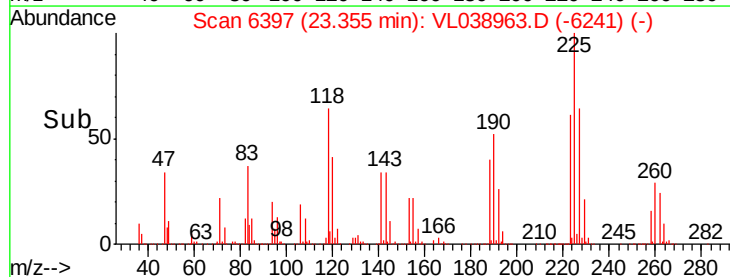
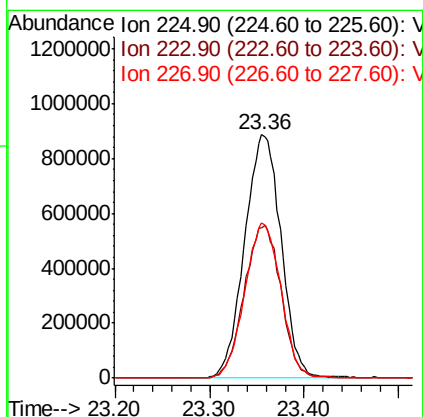
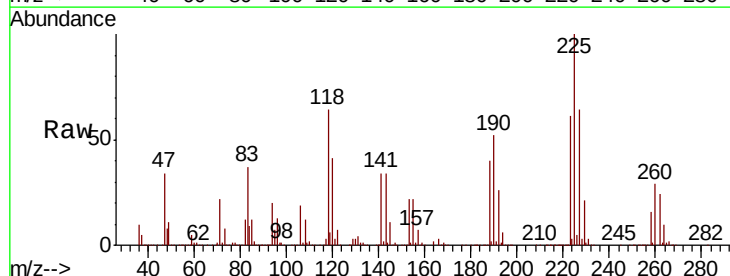
#77
 1,2-Dichlorobenzene
 Concen: 10.066 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 5 May 2022 8:34

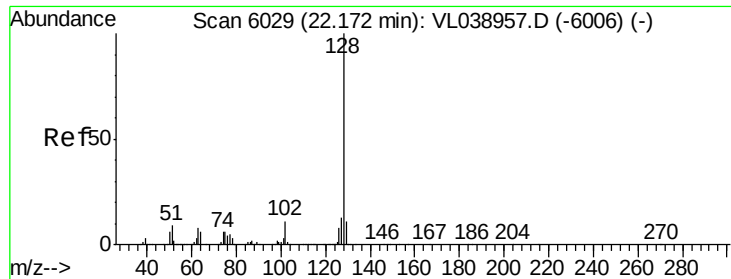
Tot Ion:146 Resp: 2842653
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.3 75.9
 148 64.3 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.333 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL038963.D
 Acq: 5 May 2022 6:34

Tgt Ion:225 Resp: 2372166
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.4 77.0
 227 63.6 51.4 77.0

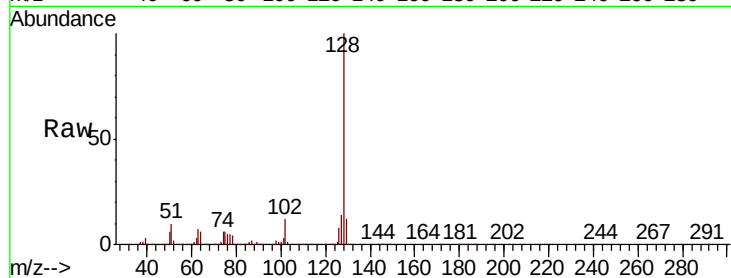




#79
Naphthalene
Concen: 16.179 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDIC015
Acq: 5 May 2022 8:34

Tot Ion:128 Resp: 5312499

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	11.7	8.9	13.3

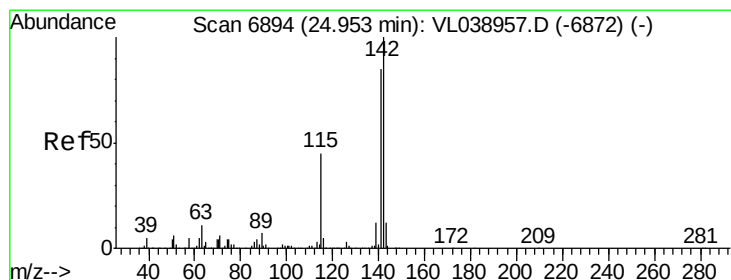
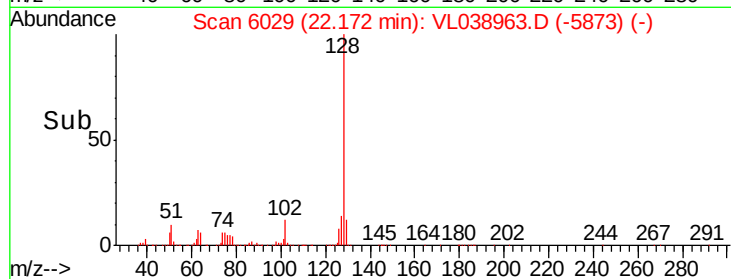
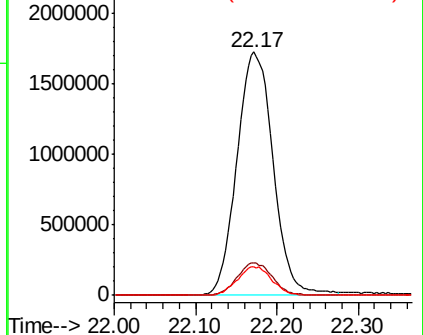


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

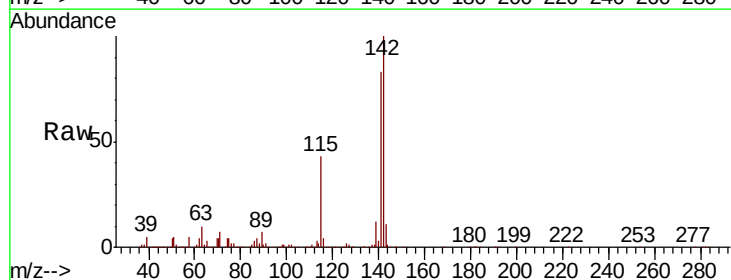
Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 27.563 ppbv
RT: 24.95 min Scan# 6894
Delta R.T.: 0.00 min
Lab File: VL038963.D
Acq: 5 May 2022 6:34

Tgt Ion:142 Resp: 1975124

Ion	Ratio	Lower	Upper
142	100		
141	82.7	70.8	106.2
115	42.0	35.1	52.7

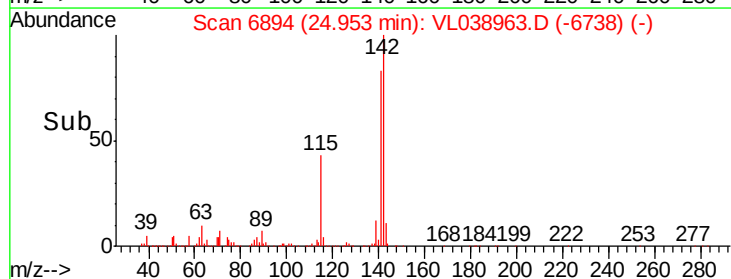
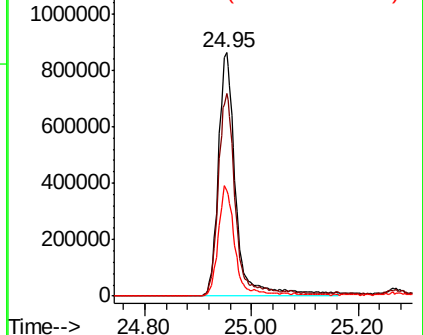


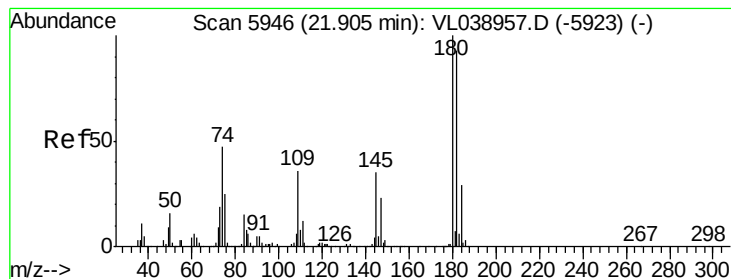
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 13.764 ppbv

RT: 21.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 5 May 2022 8.34

Tot Ion:180 Resp: 2743825

Ion Ratio Lower Upper

180 100

182 97.4 78.4 117.6

184 30.9 24.4 36.6

