

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038573.D
 Acq On : 9 Mar 2022 12:28
 Operator : SY/AP
 Sample : VL0309ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Quant Time: Mar 10 00:30:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	889727	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2366759	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2775778	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1720959	8.15	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1331474	9.91	ppbv	99
3) Chlorodifluoromethane	3.00	51	1441596	9.19	ppbv	99
4) Chloromethane	3.15	50	565618	9.73	ppbv	99
5) Vinyl Chloride	3.27	62	551401	9.45	ppbv	98
6) Bromomethane	3.48	94	302279	9.65	ppbv	99
7) Chloroethane	3.56	64	185664	9.82	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	1275995	9.79	ppbv	100
9) Propene	3.02	41	508435	9.18	ppbv	99
10) Heptane	8.13	43	1318889	9.96	ppbv	97
11) Trichlorofluoromethane	3.96	101	1164806	9.89	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	921146	10.05	ppbv	98
13) Ethanol	3.61	45	54074	8.50	ppbv	100
14) Bromoethene	3.74	108	402544	10.31	ppbv	100
15) Acetone	3.85	43	649435	10.35	ppbv	98
16) 1,3-Butadiene	3.34	39	495582	9.83	ppbv	97
17) tert-Butyl alcohol	4.29	59	674672	9.89	ppbv	100
18) 1,1-Dichloroethene	4.29	96	413715	10.09	ppbv	99
19) Isopropyl Alcohol	3.97	45	408372	9.75	ppbv	99
20) Methylene Chloride	4.35	84	338054	8.95	ppbv	100
21) Allyl Chloride	4.42	41	602122	9.95	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	444798	10.35	ppbv	99
23) Vinyl Acetate	5.08	43	988526	10.99	ppbv	99
24) 1,1-Dichloroethane	5.02	63	805520	9.85	ppbv	100
25) Ethyl Acetate	5.68	43	2050158	9.70	ppbv	100
26) Hexane	5.69	57	964479	9.72	ppbv	99
27) Carbon Disulfide	4.56	76	1079499	10.92	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	803495	9.95	ppbv	100
29) Chloroform	5.75	83	1483857	9.61	ppbv	98
30) Cyclohexane	7.13	84	828164	9.65	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	906935	9.55	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1420189	9.48	ppbv	100
34) 2-Butanone	5.25	43	631306	10.29	ppbv	97
35) Carbon Tetrachloride	7.02	117	1499003	9.29	ppbv	98
36) Benzene	6.90	78	2078801	9.73	ppbv	99
37) 1,2-Dichloroethane	6.31	62	997711	9.78	ppbv	100
38) Trichloroethene	7.84	130	796276	9.33	ppbv	98
39) 1,2-Dichloropropane	7.62	63	795708	9.69	ppbv	100
40) 1,4-Dioxane	7.84	88	200304	9.74	ppbv #	1
41) Tetrahydrofuran	6.05	42	492201	9.81	ppbv	99
42) Bromodichloromethane	7.80	83	1601063	9.89	ppbv	99
43) Methyl Methacrylate	8.02	69	754138	10.29	ppbv	96

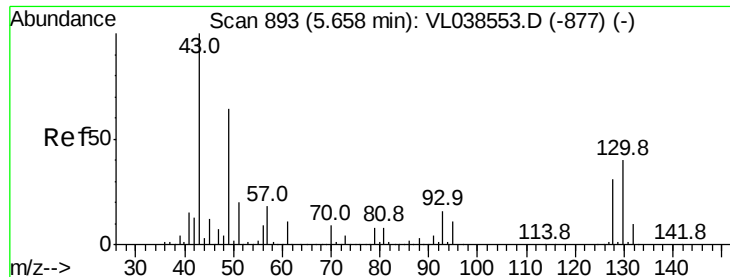
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038573.D
 Acq On : 9 Mar 2022 12:28
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Quant Time: Mar 10 00:30:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3411545	9.45	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	604099	11.43	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	775312	10.73	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	843433	10.08	ppbv	98
48) Dibromochloromethane	10.31	129	1425257	10.72	ppbv	99
49) Bromoform	13.04	173	1194487	11.73	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1260399	10.02	ppbv	99
51) 2-Hexanone	10.14	43	532654	10.02	ppbv #	99
52) Tetrachloroethene	11.23	164	747055	9.54	ppbv	99
53) Toluene	9.81	91	2359001	10.35	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1228584	10.27	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	917700	8.12	ppbv	98
57) Chlorobenzene	12.15	112	1707542	8.06	ppbv	98
58) Ethyl Benzene	12.71	91	3011380	8.38	ppbv	96
59) m/p-Xylene	13.00	91	2682501	8.72	ppbv #	39
60) o-Xylene	13.70	91	2388358	8.22	ppbv	99
61) Styrene	13.53	104	1305588	9.12	ppbv	99
62) Isopropylbenzene	14.67	105	3311467	8.26	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1831712	7.46	ppbv	100
64) n-propylbenzene	15.56	120	896701	8.78	ppbv	96
65) tert-Butylbenzene	16.74	119	2902702	8.10	ppbv	99
66) Benzyl Chloride	16.99	91	182753	8.60	ppbv	99
67) sec-Butylbenzene	17.29	105	4135445	8.12	ppbv	100
69) p-Isopropyltoluene	17.65	119	3399385	8.05	ppbv	99
70) n-Butylbenzene	18.55	91	3492931	7.77	ppbv	100
71) 2-Chlorotoluene	15.45	91	2499672	8.40	ppbv	99
72) 4-Ethyltoluene	15.84	105	2899175	8.69	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2577737	8.32	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2643987	7.99	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1683208	8.06	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1642578	7.94	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1621602	7.68	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1286617	6.24	ppbv	99
79) Naphthalene	22.19	128	2443268	8.21	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	581681	11.07	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1361385	7.16	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 12:28

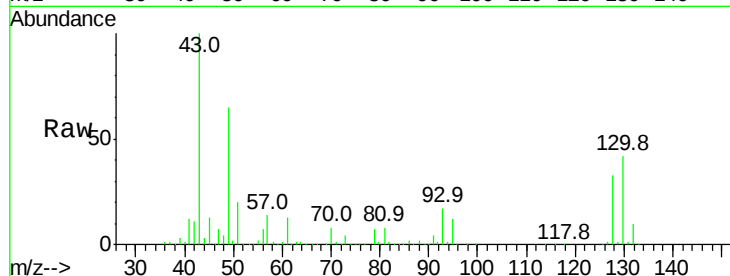
Tgt Ion: 49 Resp: 889727

Ion Ratio Lower Upper

49 100

128 53.8 26.4 79.2

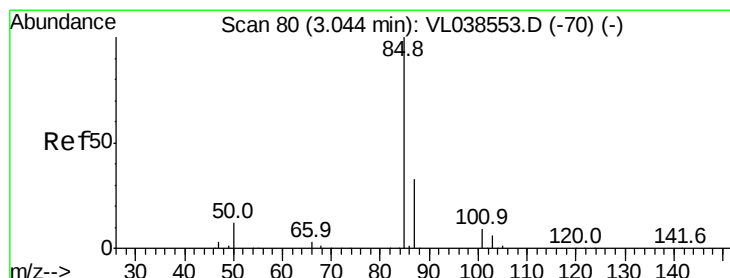
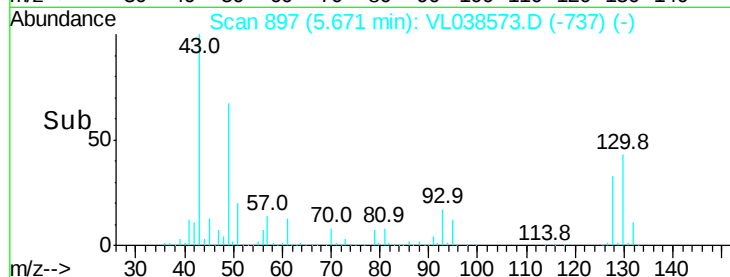
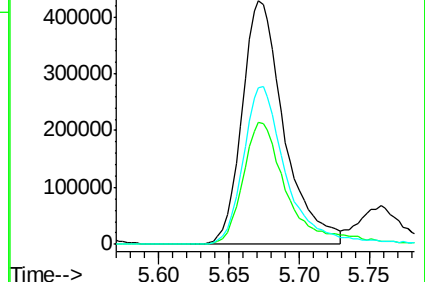
130 67.5 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.91 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038573.D

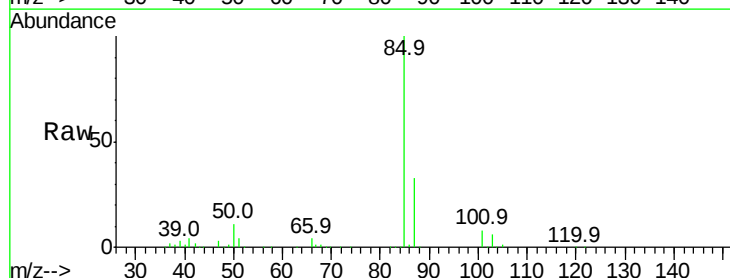
Acq: 9 Mar 2022 12:28

Tgt Ion: 85 Resp: 1331474

Ion Ratio Lower Upper

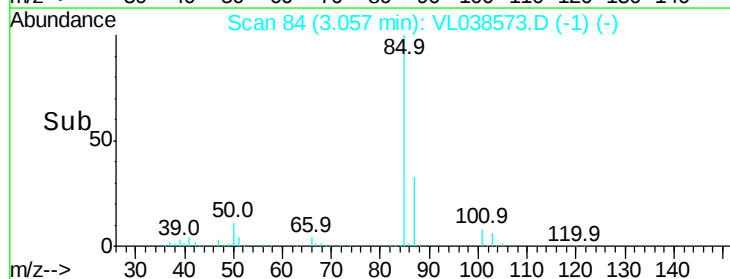
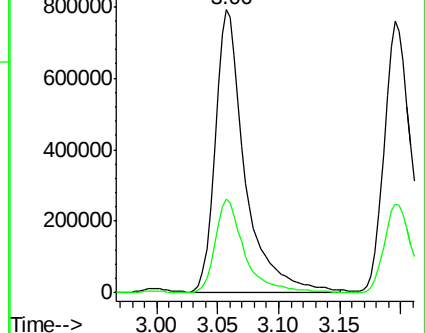
85 100

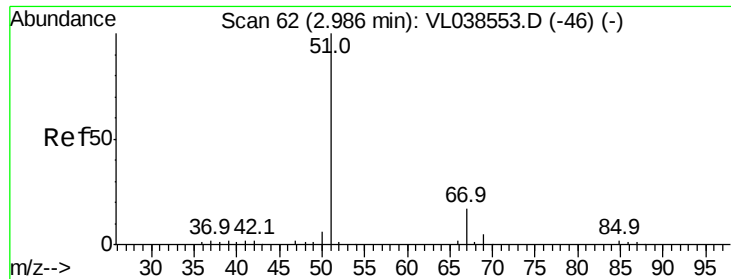
87 33.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

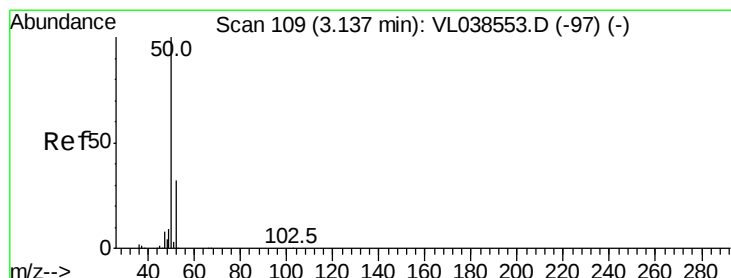
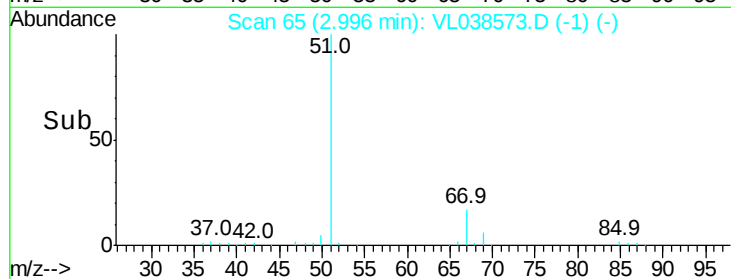
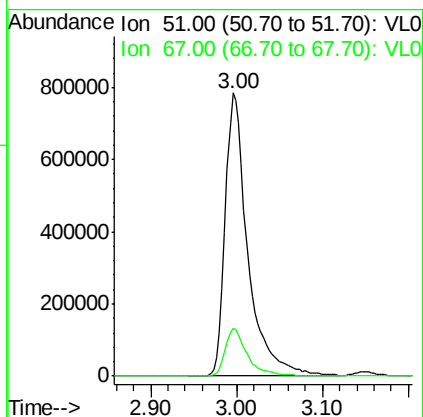
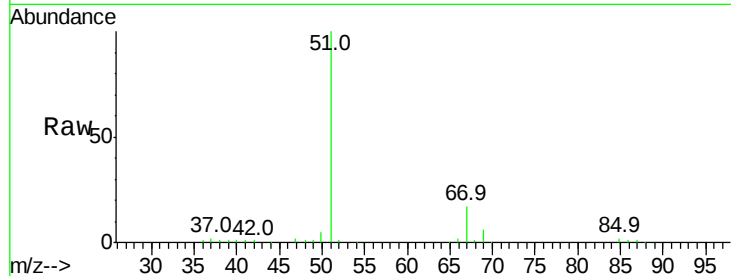
Ion 87.00 (86.70 to 87.70): VL0





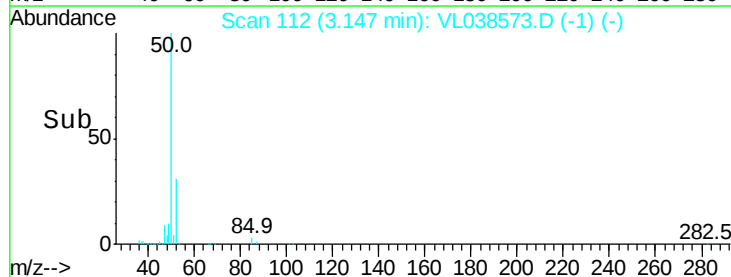
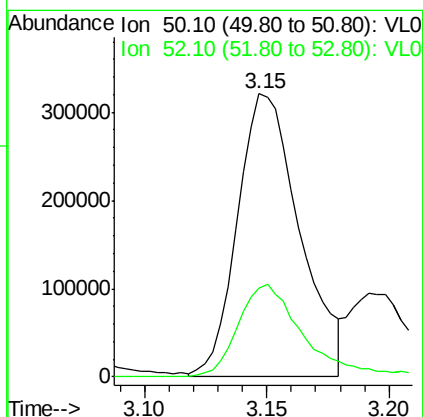
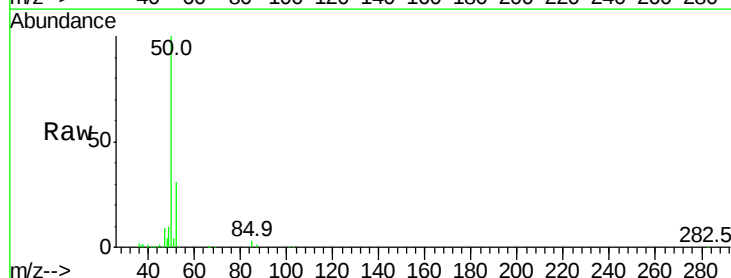
#3
 Chlorodifluoromethane
 Concen: 9.19 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 12:28

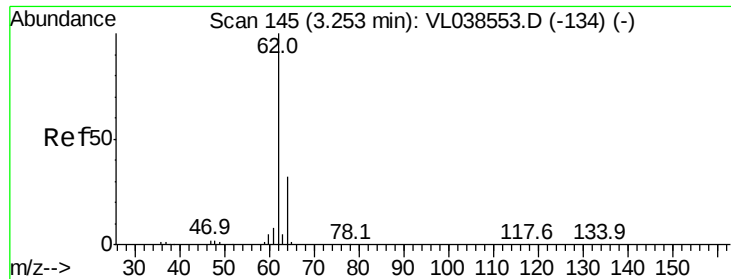
Tgt Ion: 51 Resp: 1441596
 Ion Ratio Lower Upper
 51 100
 67 16.7 13.6 20.4



#4
 Chloromethane
 Concen: 9.73 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion: 50 Resp: 565618
 Ion Ratio Lower Upper
 50 100
 52 31.5 25.6 38.4





#5

Vinyl Chloride

Concen: 9.45 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0309ABS01

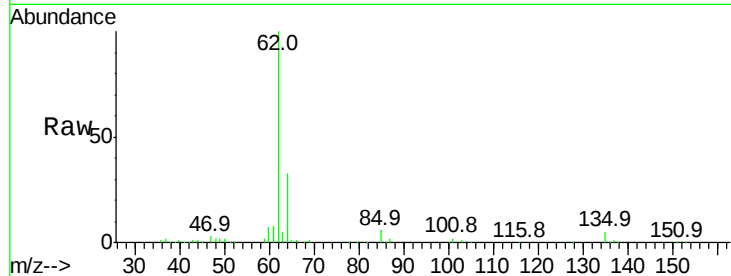
Acq: 9 Mar 2022 12:28

Tgt Ion: 62 Resp: 551401

Ion Ratio Lower Upper

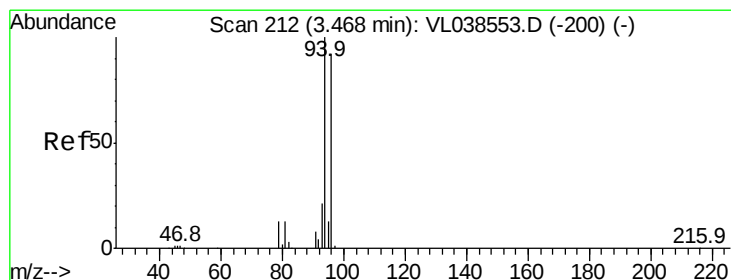
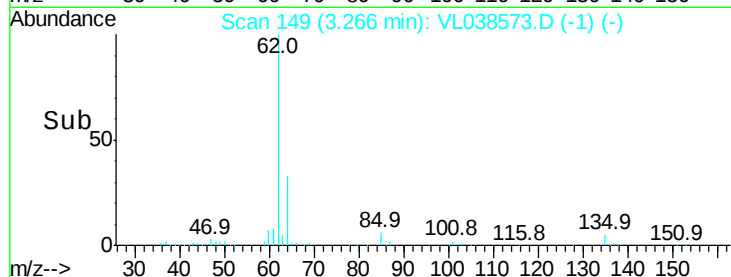
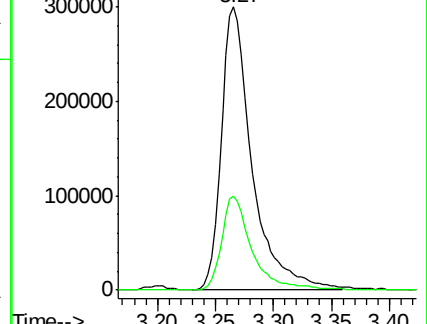
62 100

64 33.2 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.65 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL038573.D

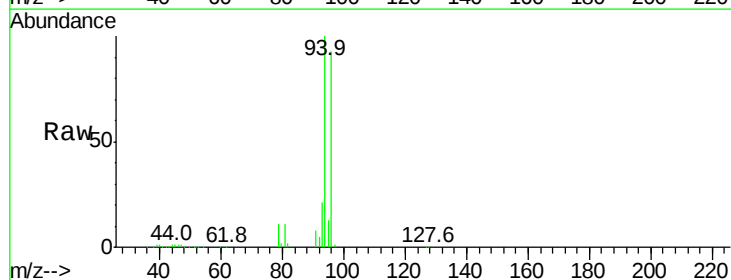
Acq: 9 Mar 2022 12:28

Tgt Ion: 94 Resp: 302279

Ion Ratio Lower Upper

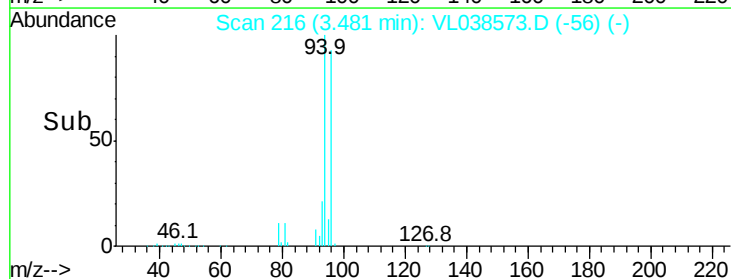
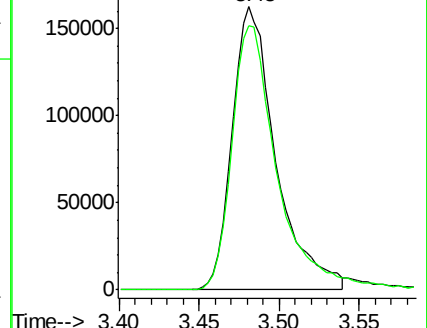
94 100

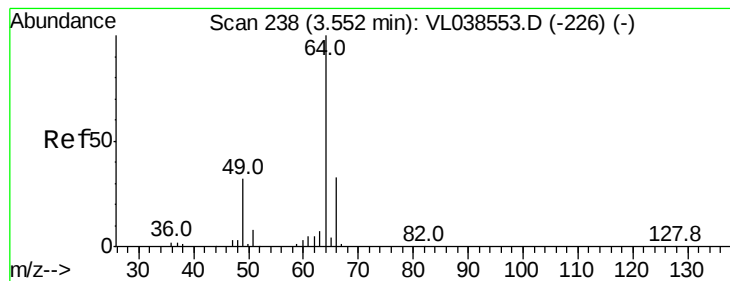
96 93.1 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.82 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

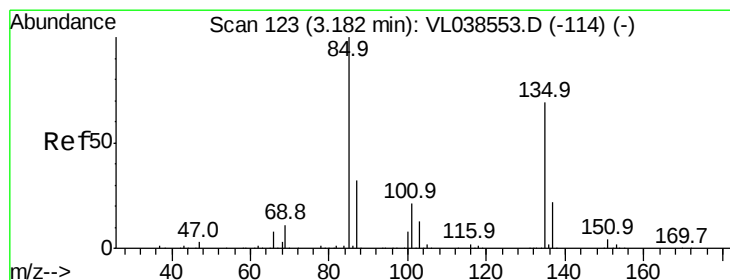
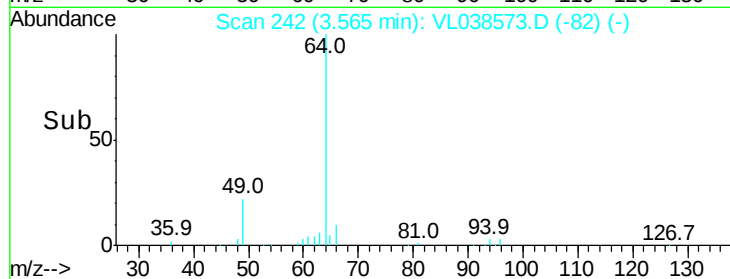
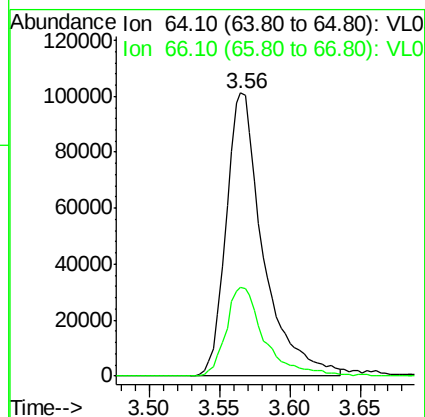
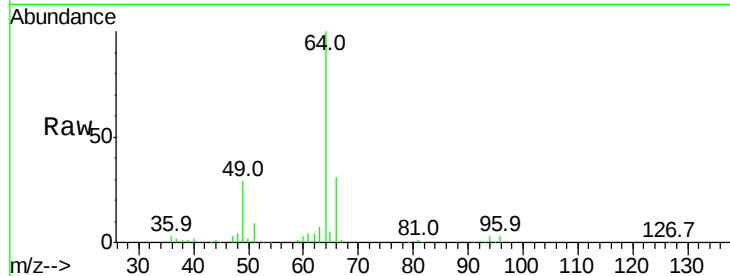
Acq: 9 Mar 2022 12:28 VL0309ABS01

Tgt Ion: 64 Resp: 185664

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8



#8

Dichlorotetrafluoroethane

Concen: 9.79 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL038573.D

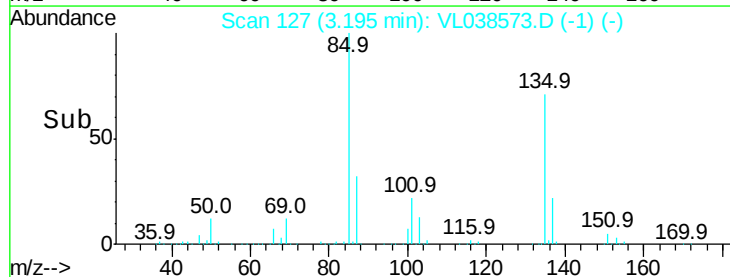
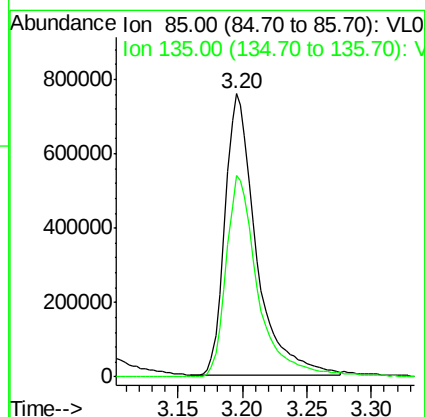
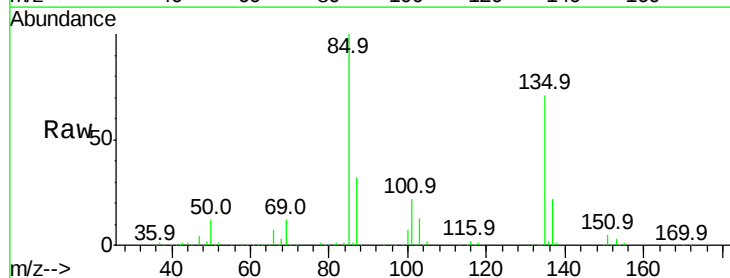
Acq: 9 Mar 2022 12:28

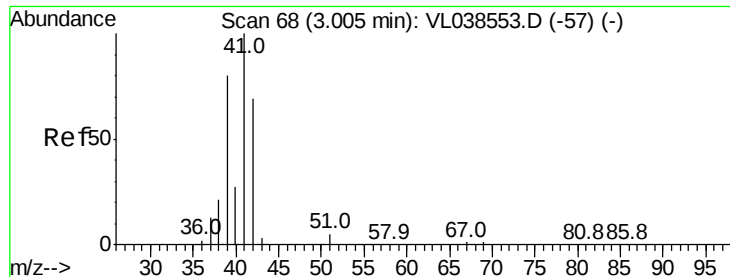
Tgt Ion: 85 Resp: 1275995

Ion Ratio Lower Upper

85 100

135 73.8 59.0 88.4





#9

Propene

Concen: 9.18 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02

Lab File: ClientSampleId: VL0309ABS01

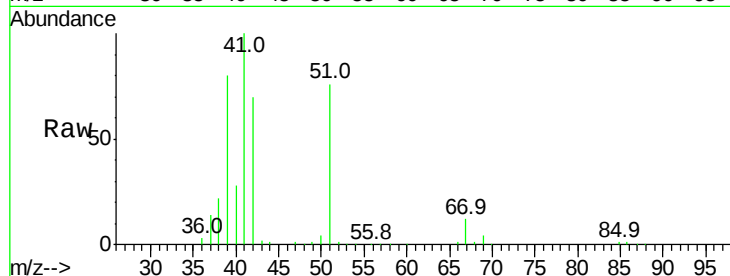
Acq: 9 Mar 2022 12:28

Tgt Ion: 41 Resp: 508435

Ion Ratio Lower Upper

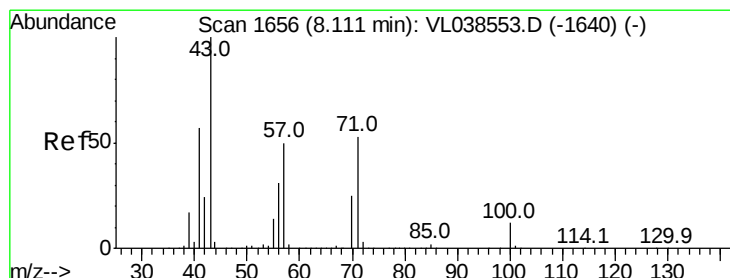
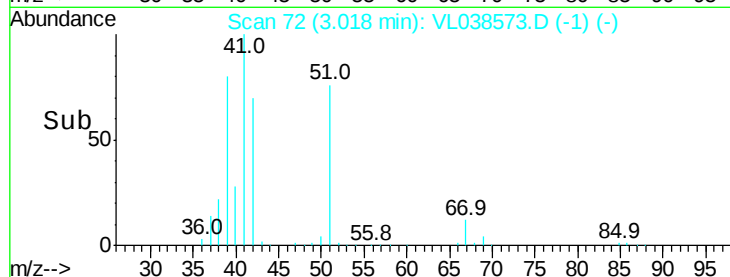
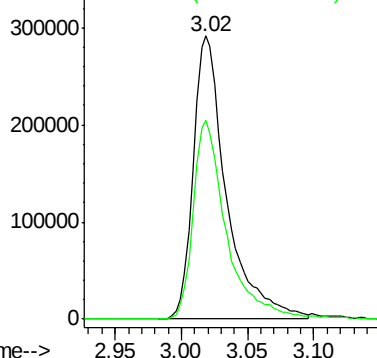
41 100

42 70.6 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.96 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL038573.D

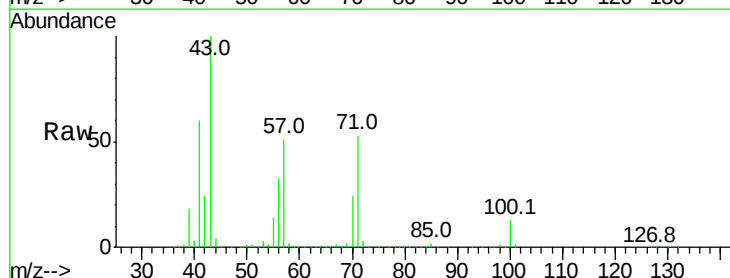
Acq: 9 Mar 2022 12:28

Tgt Ion: 43 Resp: 1318889

Ion Ratio Lower Upper

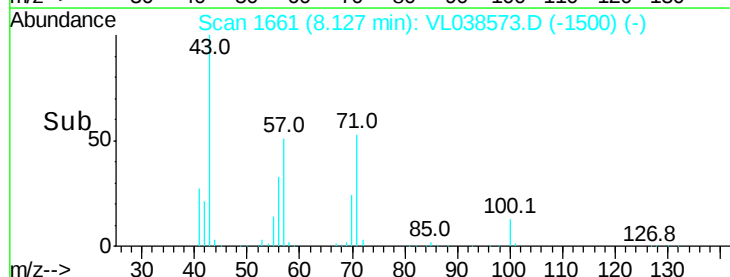
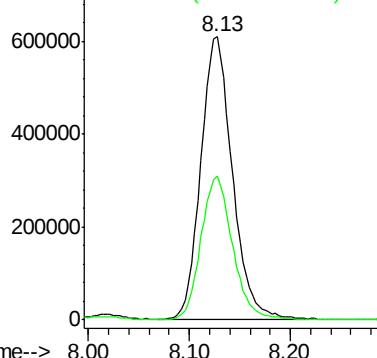
43 100

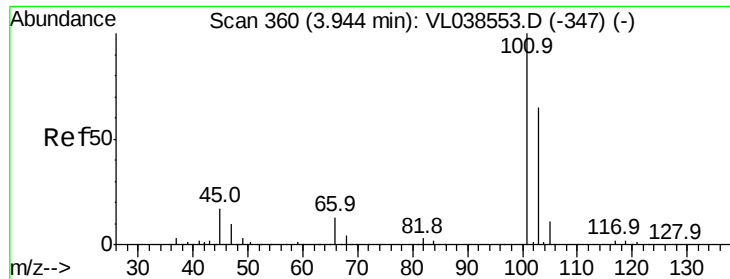
57 51.2 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

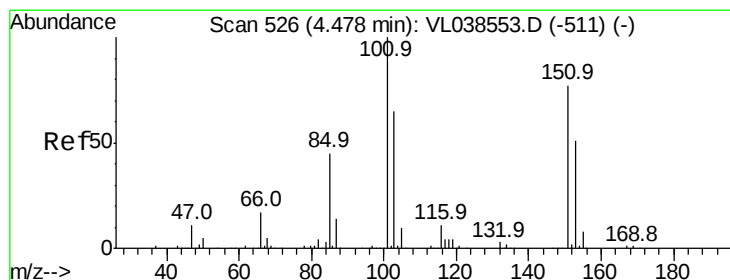
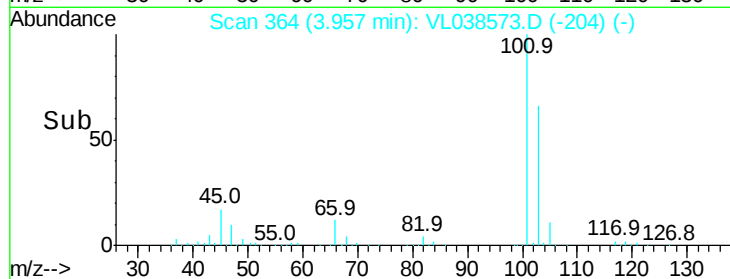
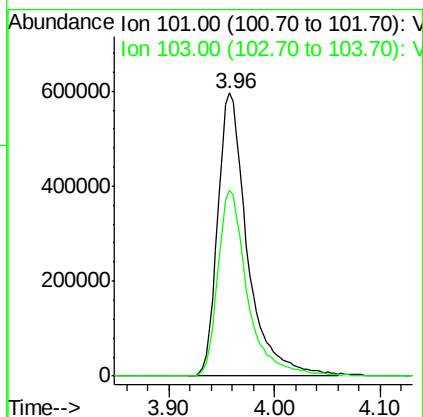
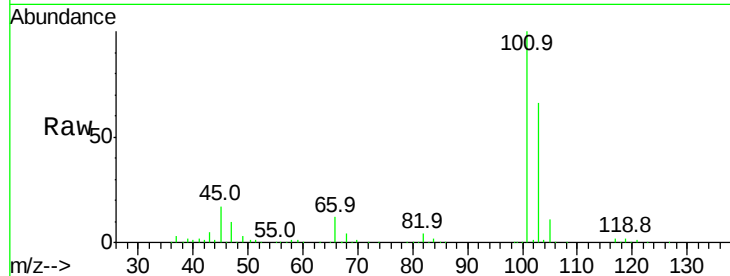
Ion 57.10 (56.80 to 57.80): VL0





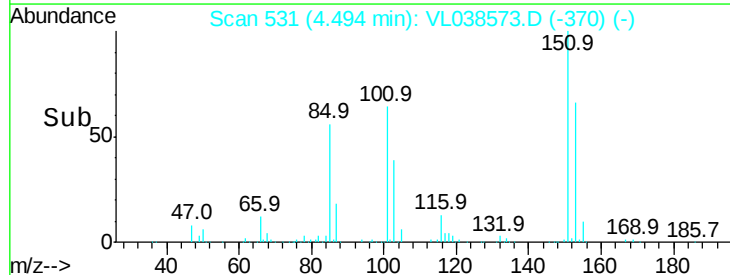
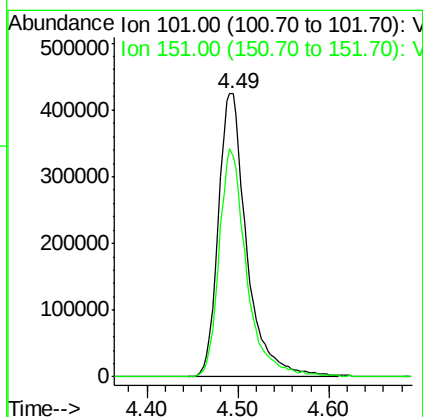
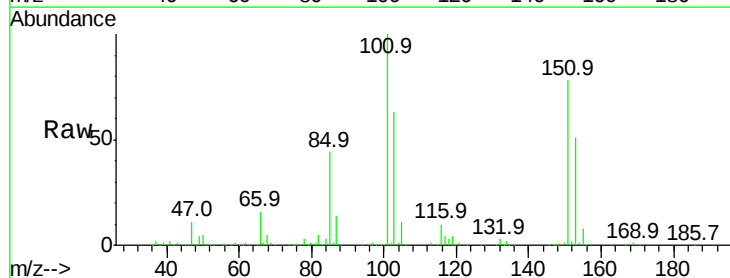
#11
 Trichlorofluoromethane
 Concen: 9.89 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0309ABS01
 Acq: 9 Mar 2022 12:28

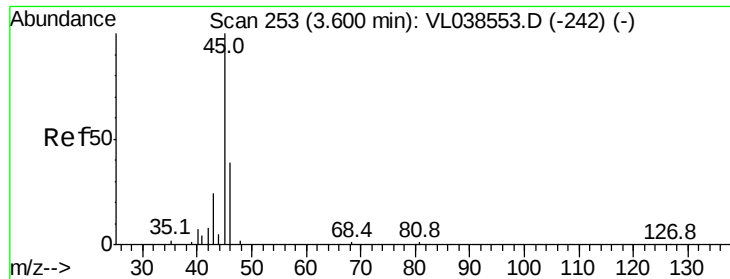
Tgt Ion:101 Resp: 1164806
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.05 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion:101 Resp: 921146
 Ion Ratio Lower Upper
 101 100
 151 77.9 63.4 95.0





#13

Ethanol

Concen: 8.50 ppbv

RT: 3.61 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0309ABS01

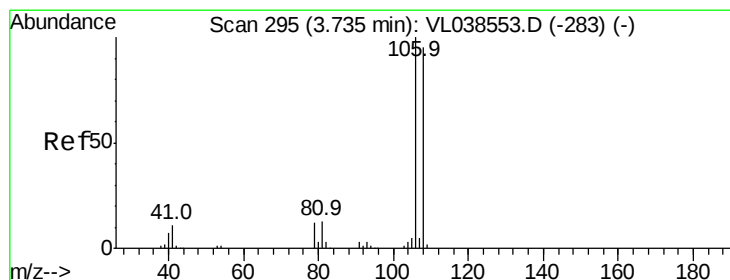
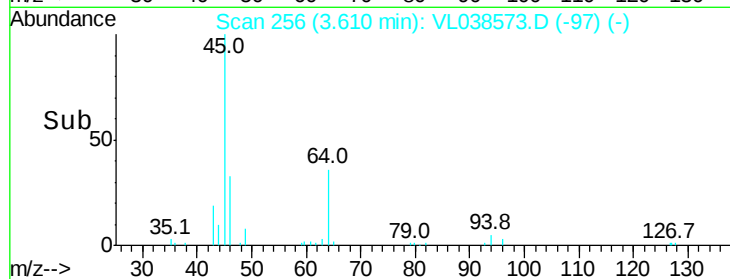
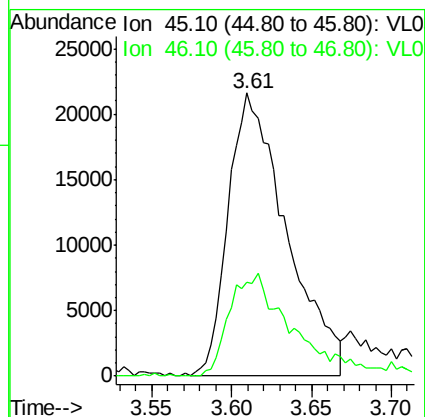
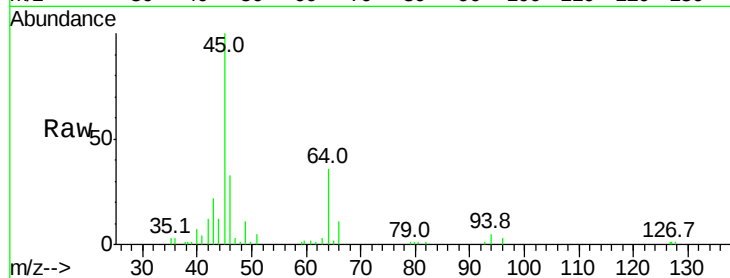
Acq: 9 Mar 2022 12:28

Tgt Ion: 45 Resp: 54074

Ion Ratio Lower Upper

45 100

46 41.6 16.8 67.0



#14

Bromoethene

Concen: 10.31 ppbv

RT: 3.74 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL038573.D

Acq: 9 Mar 2022 12:28

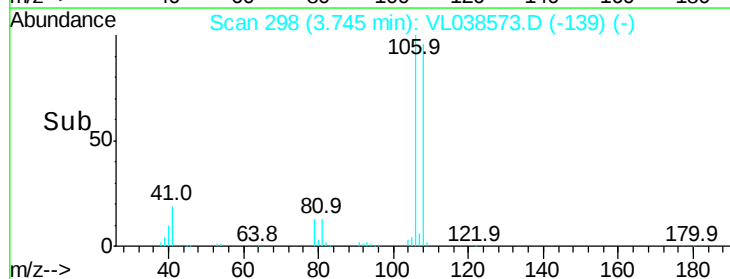
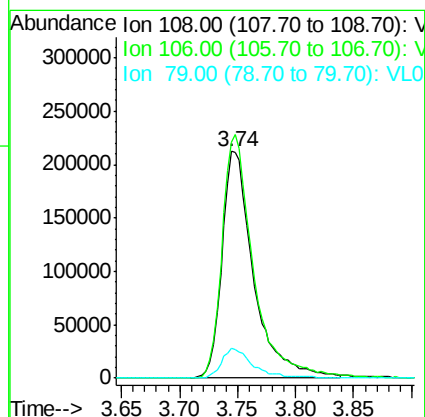
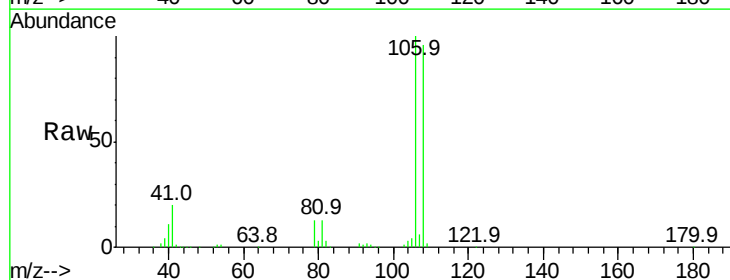
Tgt Ion: 108 Resp: 402544

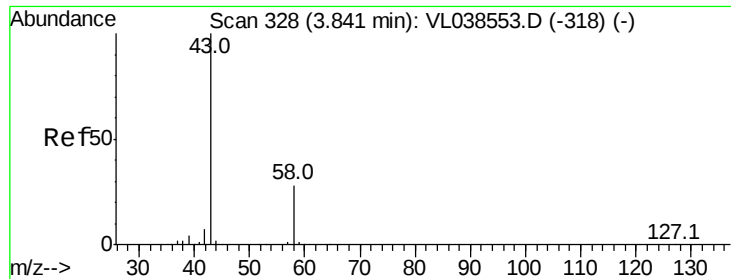
Ion Ratio Lower Upper

108 100

106 107.3 85.9 128.9

79 13.4 11.0 16.6





#15

Acetone

Concen: 10.35 ppbv

RT: 3.85

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

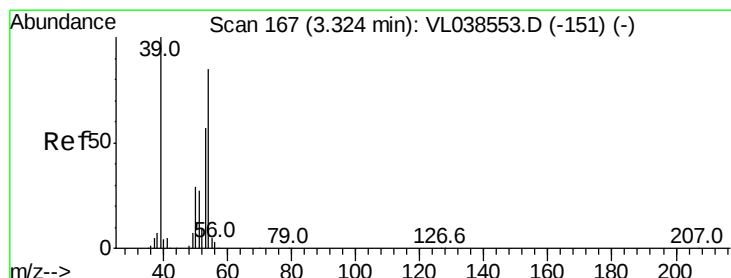
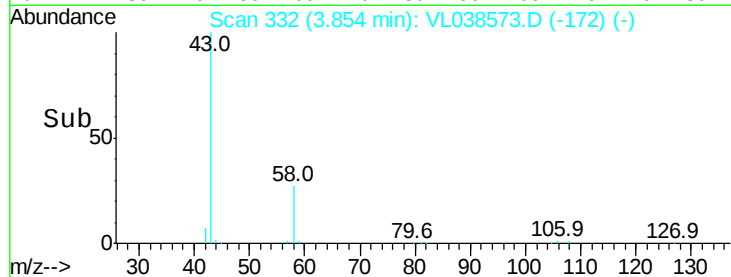
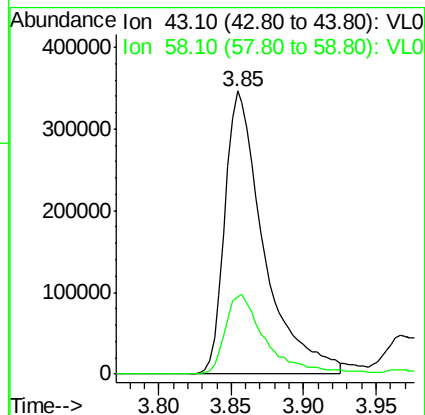
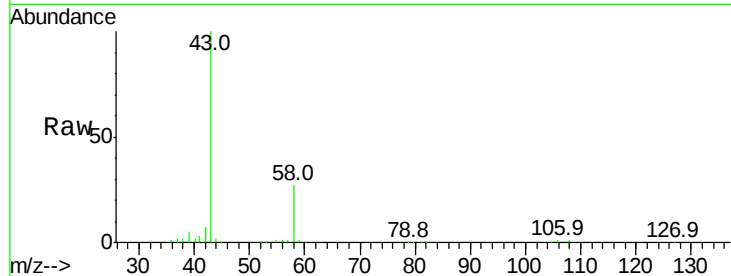
Acq: 9 Mar 2022 12:28

Tgt Ion: 43 Resp: 649435

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1



#16

1,3-Butadiene

Concen: 9.83 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL038573.D

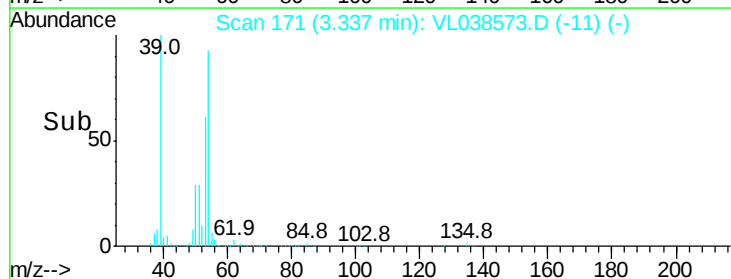
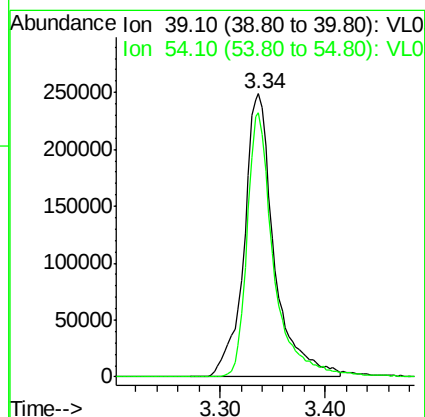
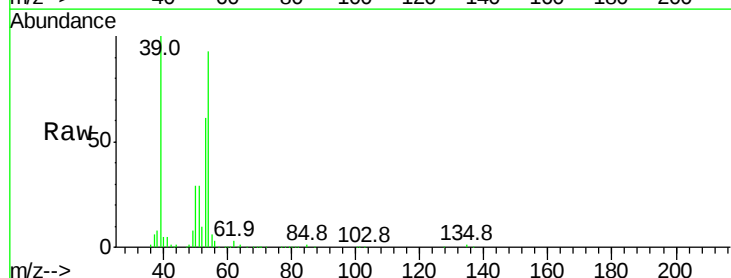
Acq: 9 Mar 2022 12:28

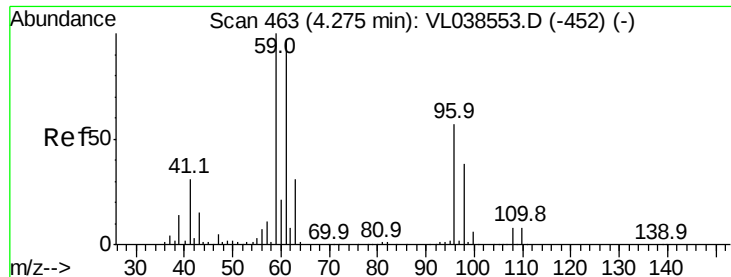
Tgt Ion: 39 Resp: 495582

Ion Ratio Lower Upper

39 100

54 83.1 64.2 96.2





#17

tert-Butyl alcohol

Concen: 9.89 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

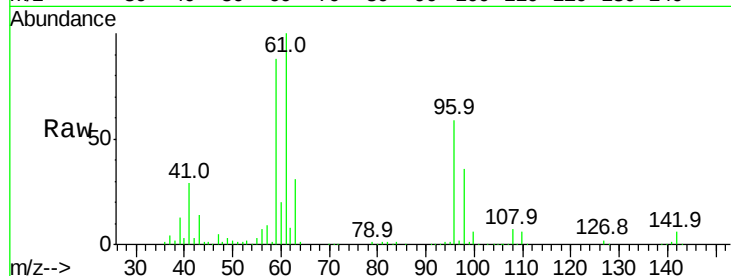
Acq: 9 Mar 2022 12:28 VL0309ABS01

Tgt Ion: 59 Resp: 674672

Ion Ratio Lower Upper

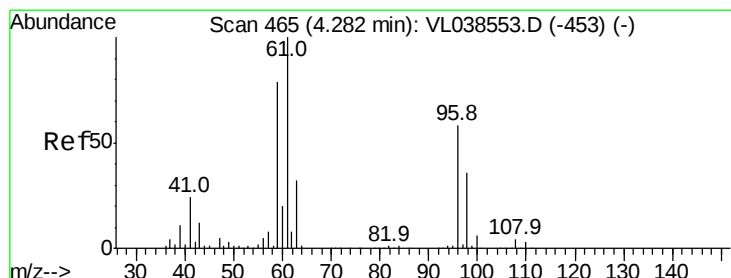
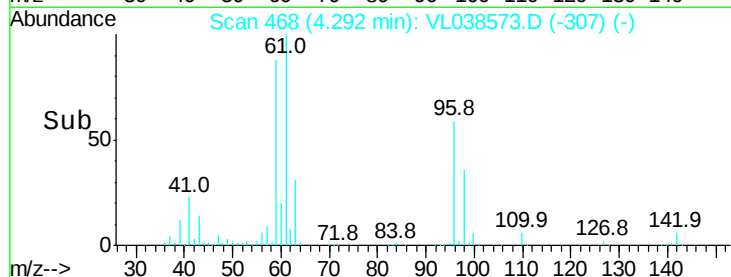
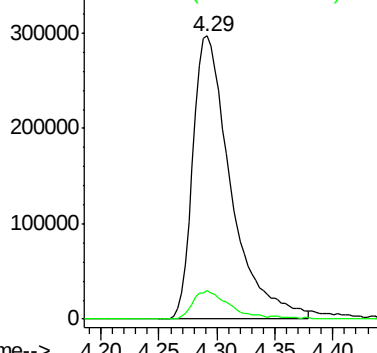
59 100

57 10.2 8.1 12.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.09 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL038573.D

Acq: 9 Mar 2022 12:28

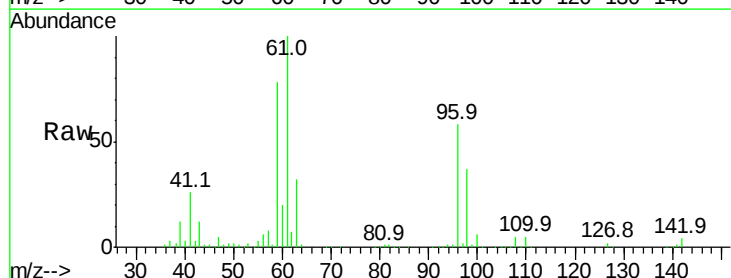
Tgt Ion: 96 Resp: 413715

Ion Ratio Lower Upper

96 100

61 173.1 137.4 206.0

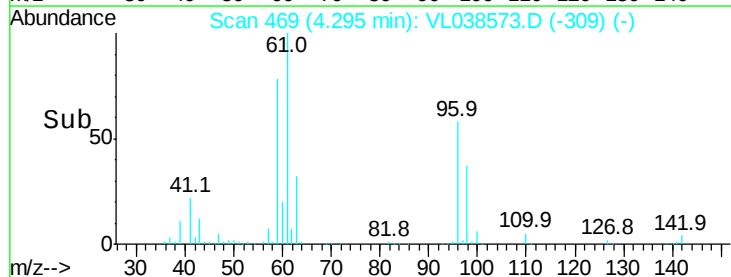
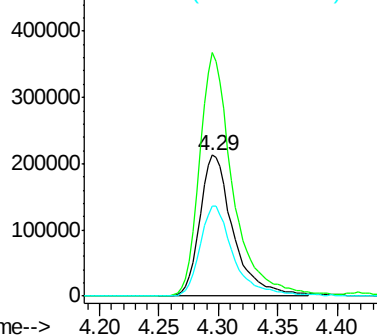
98 63.8 49.3 73.9

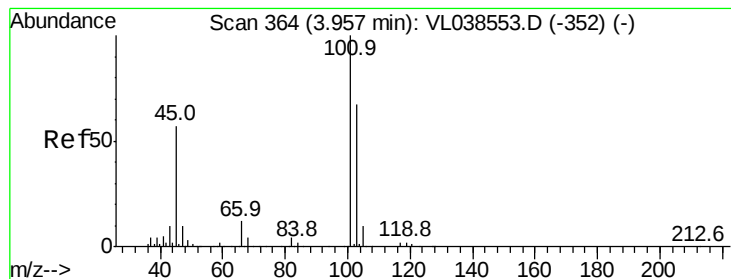


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.75 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

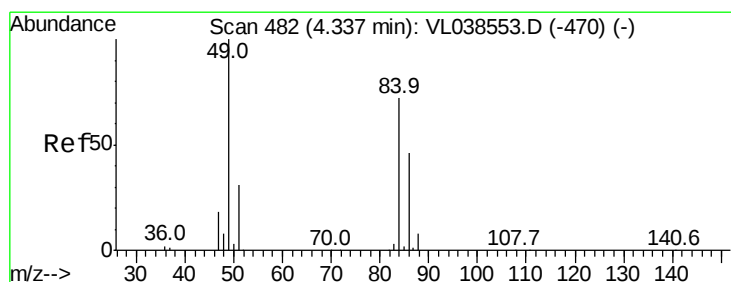
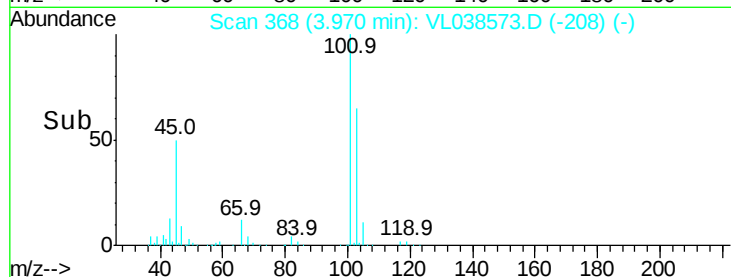
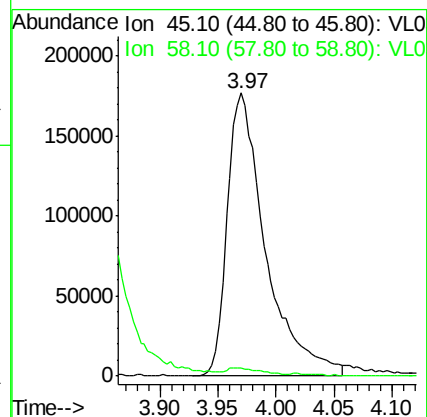
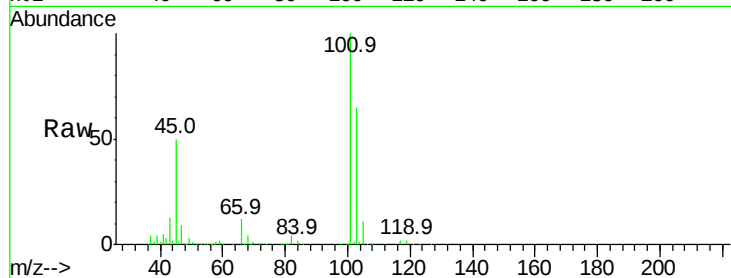
Acq: 9 Mar 2022 12:28

Tgt Ion: 45 Resp: 408372

Ion Ratio Lower Upper

45 100

58 2.9 2.2 3.2



#20

Methylene Chloride

Concen: 8.95 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038573.D

Acq: 9 Mar 2022 12:28

Tgt Ion: 84 Resp: 338054

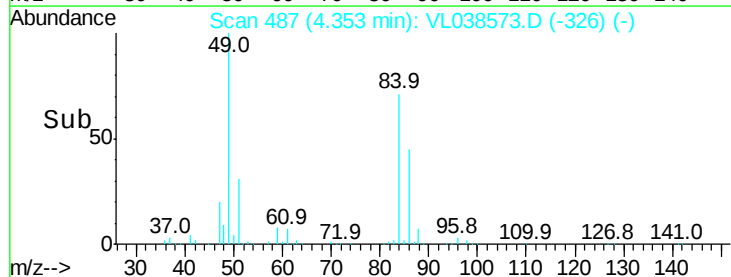
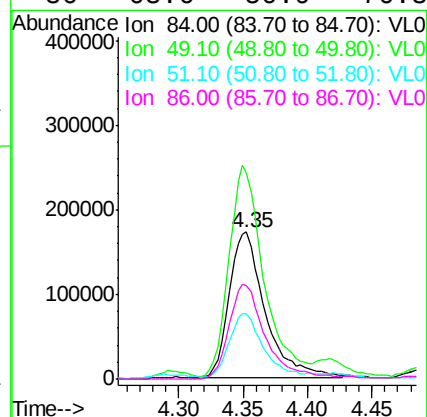
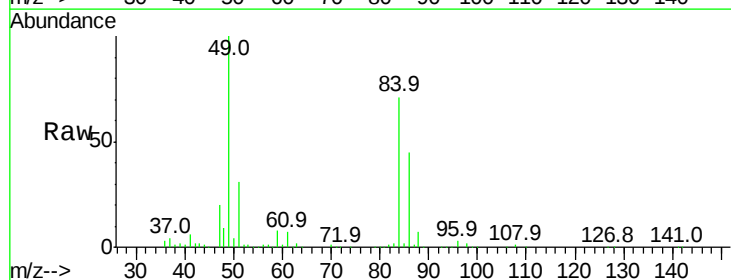
Ion Ratio Lower Upper

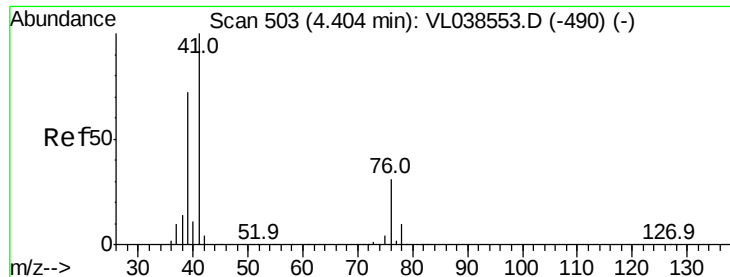
84 100

49 138.9 111.1 166.7

51 42.5 34.0 51.0

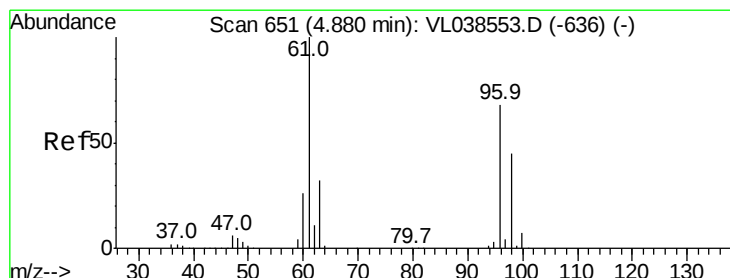
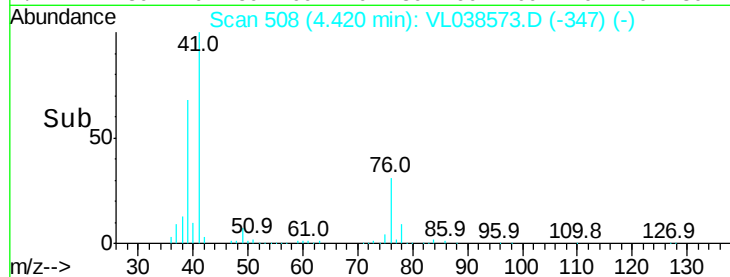
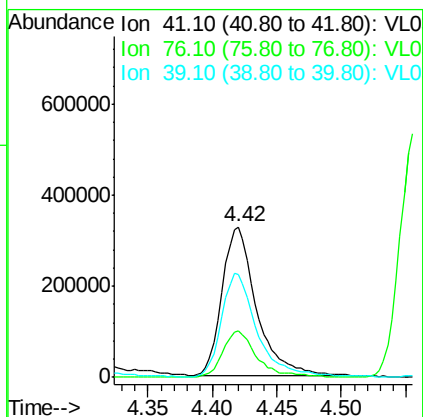
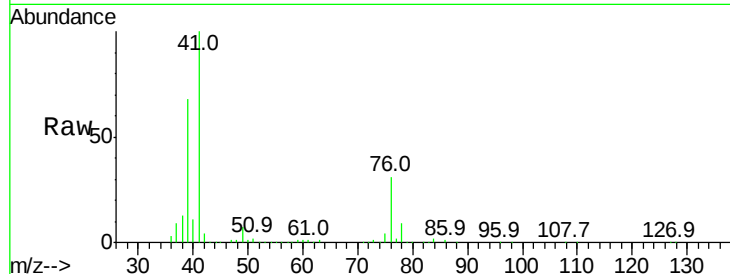
86 63.6 50.9 76.3





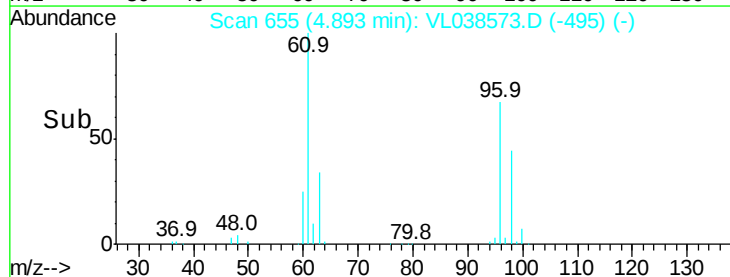
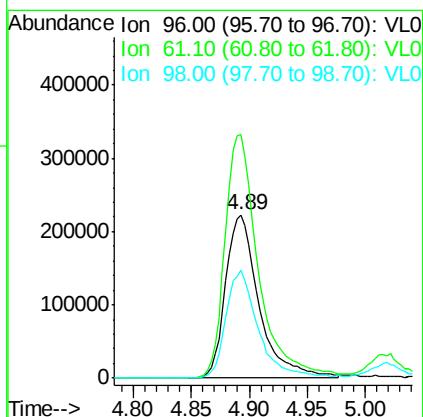
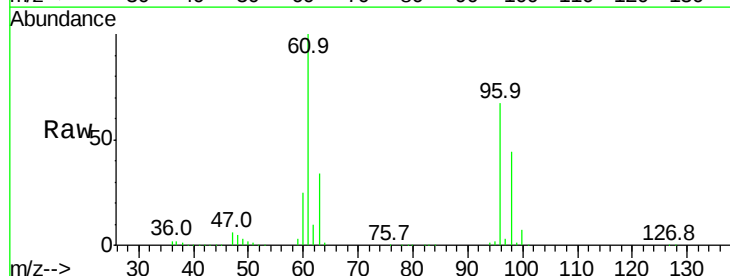
#21
 Allyl Chloride
 Concen: 9.95 ppbv
 RT: 4.42
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0309ABS01
 Acq: 9 Mar 2022 12:28

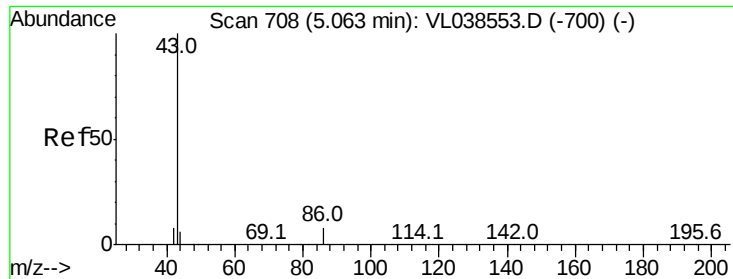
Tgt Ion: 41 Resp: 602122
 Ion Ratio Lower Upper
 41 100
 76 31.2 24.3 36.5
 39 71.8 57.1 85.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.35 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

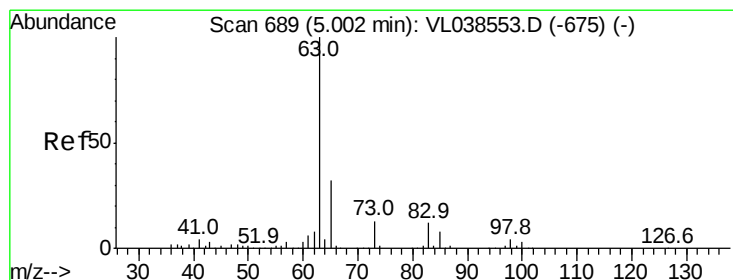
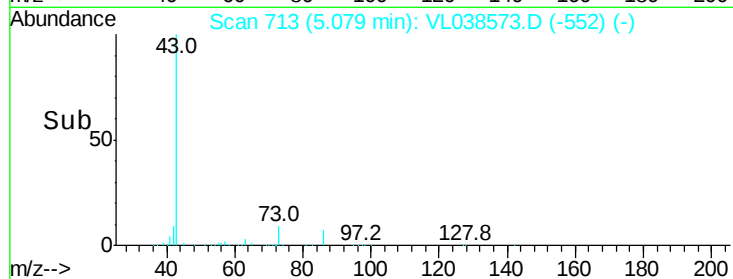
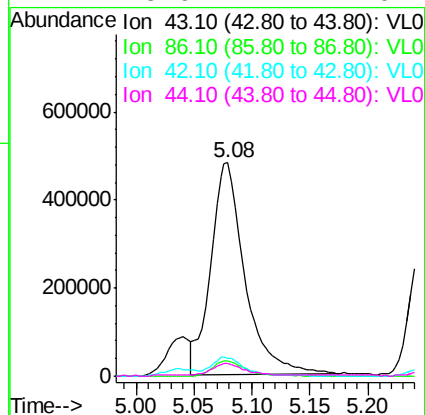
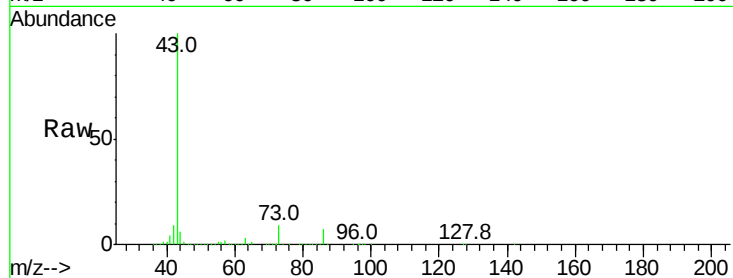
Tgt Ion: 96 Resp: 444798
 Ion Ratio Lower Upper
 96 100
 61 149.3 117.6 176.4
 98 65.9 52.6 78.8





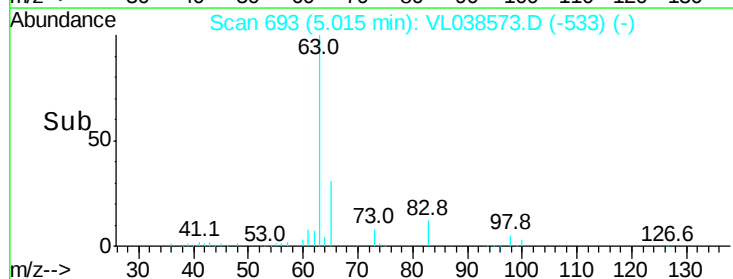
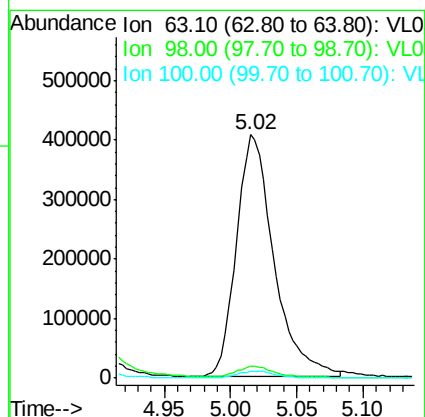
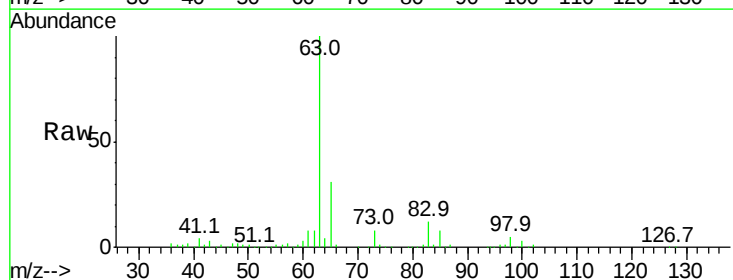
#23
 Vinyl Acetate
 Concen: 10.99 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

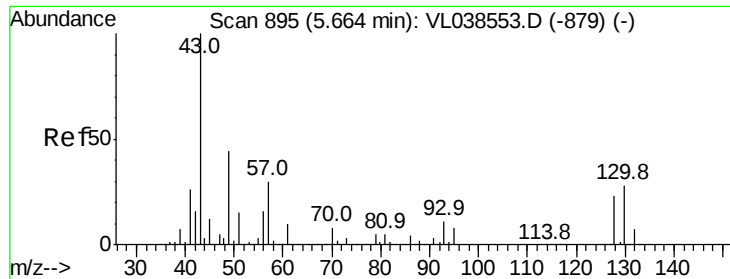
Tgt Ion:	43	Resp:	988526
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.6	8.4
42	8.5	7.1	10.7
44	5.6	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 9.85 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T.: 0.01 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion:	63	Resp:	805520
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.7	1.5	4.5

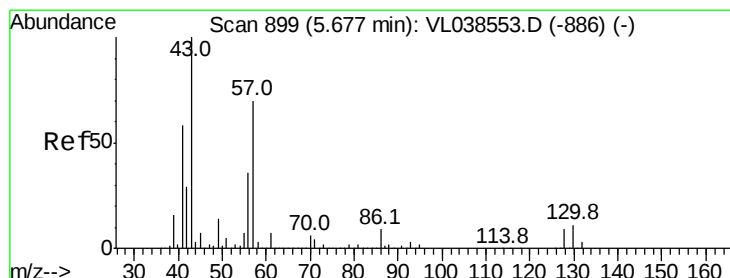
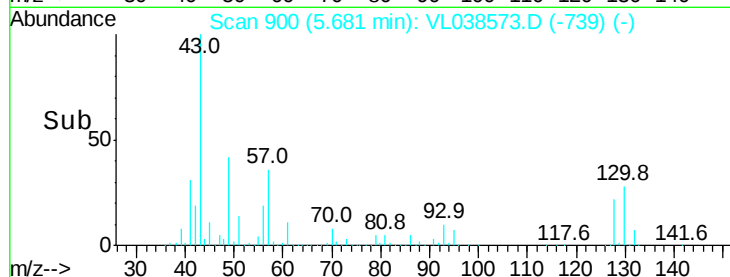
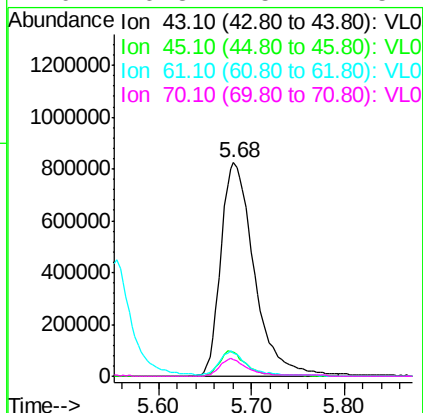
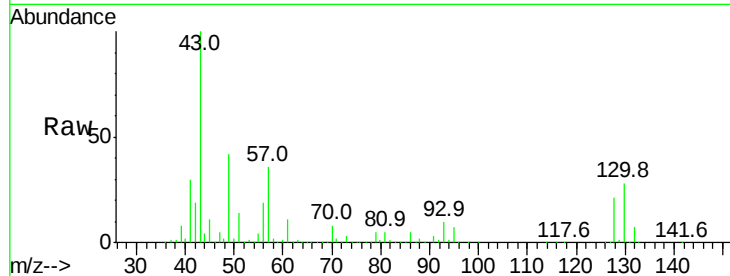




#25
Ethyl Acetate
Concen: 9.70 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0309ABS01
Acq: 9 Mar 2022 12:28

Tgt Ion: 43 Resp: 2050158

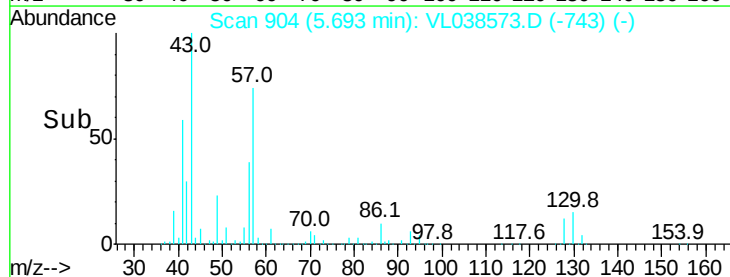
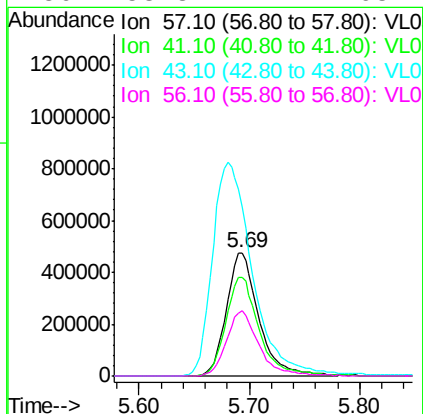
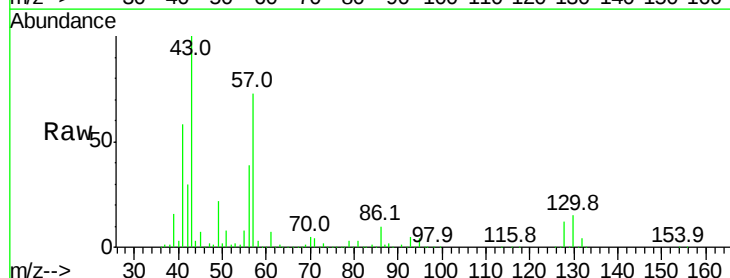
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	10.5	8.2	12.4
70	6.8	5.4	8.2

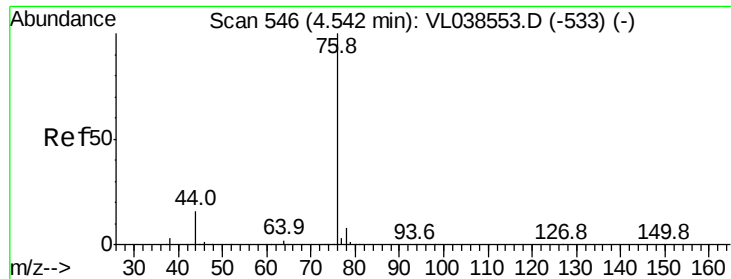


#26
Hexane
Concen: 9.72 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion: 57 Resp: 964479

Ion	Ratio	Lower	Upper
57	100		
41	83.8	67.8	101.6
43	215.3	173.6	260.4
56	53.3	42.2	63.2

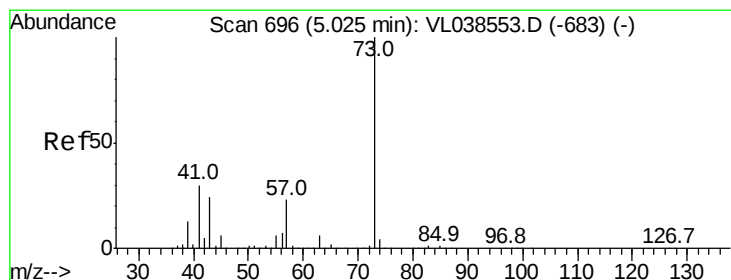
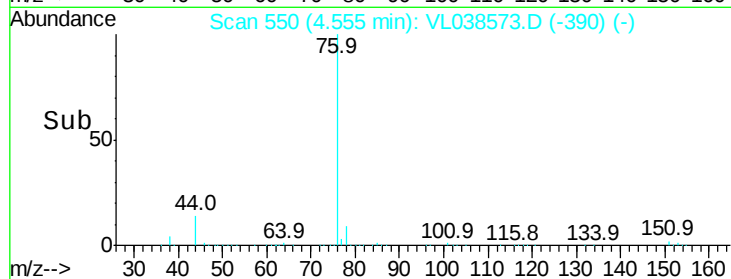
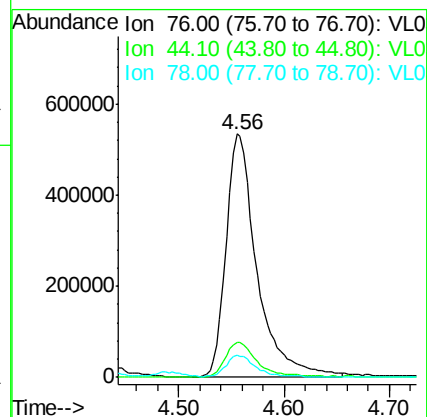
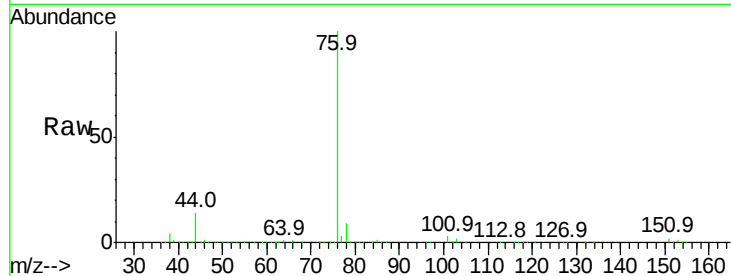




#27
Carbon Disulfide
Concen: 10.92 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0309ABS01
Acq: 9 Mar 2022 12:28

Tgt Ion: 76 Resp: 1079499

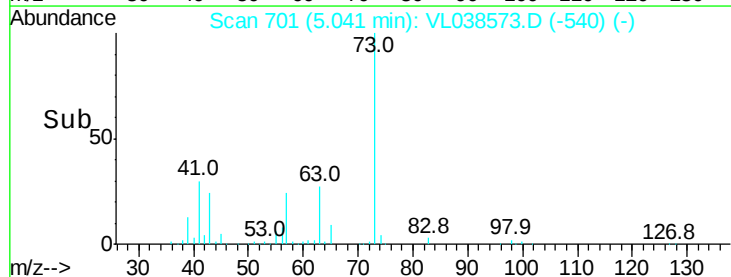
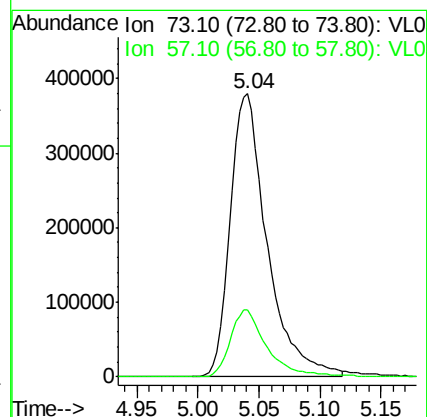
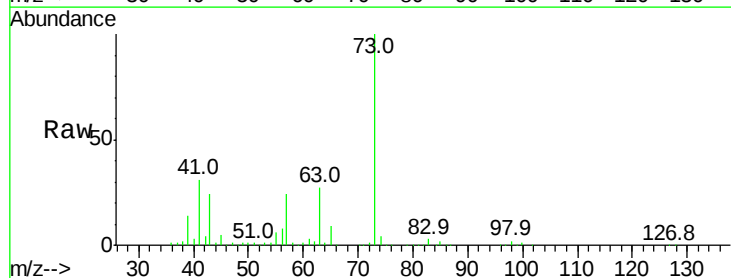
Ion	Ratio	Lower	Upper
76	100		
44	15.0	12.9	19.3
78	9.0	7.8	11.6

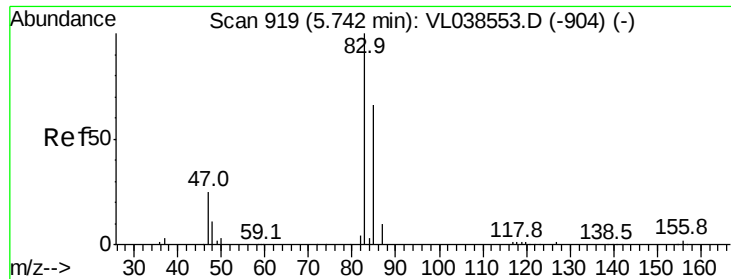


#28
Methyl tert-Butyl Ether
Concen: 9.95 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion: 73 Resp: 803495

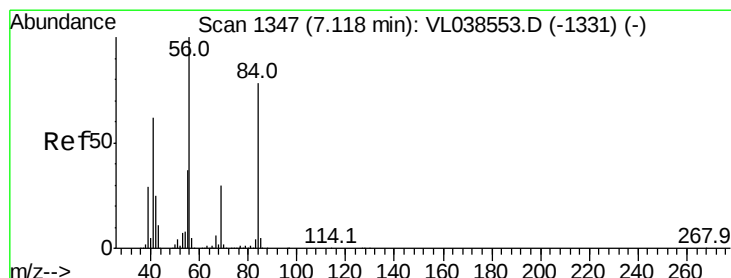
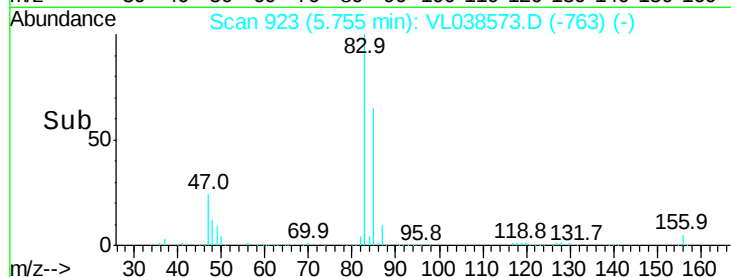
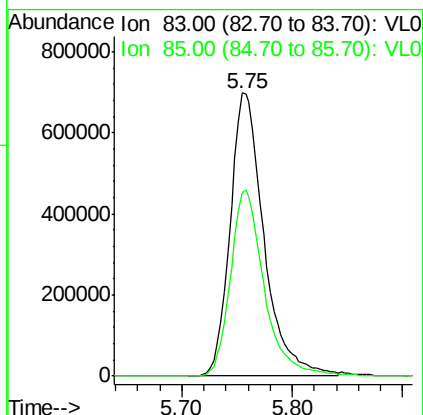
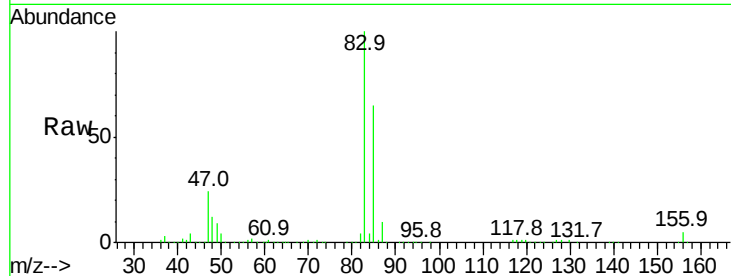
Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.8	28.2





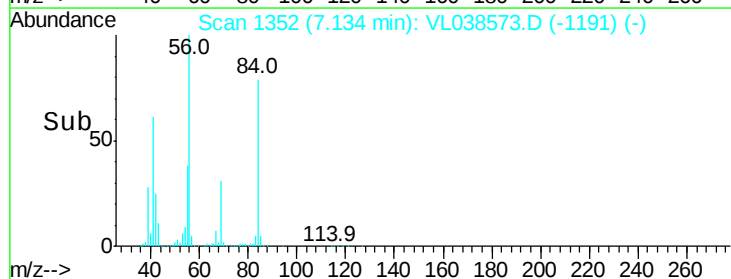
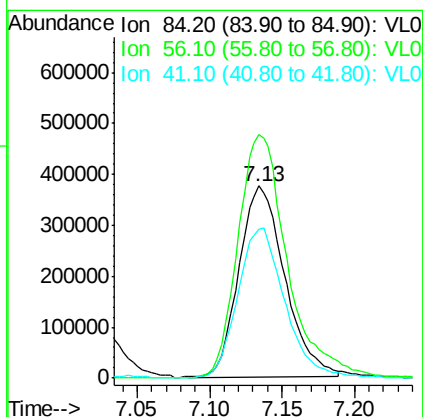
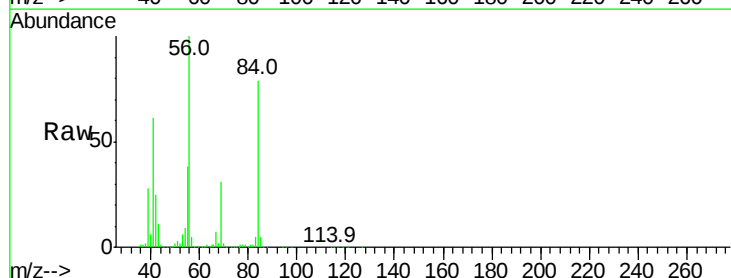
#29
Chloroform
Concen: 9.61 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 12:28

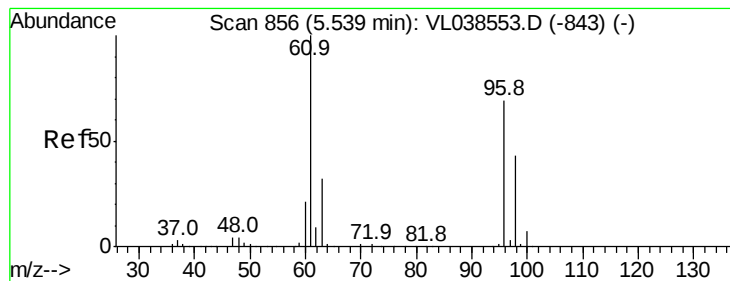
Tgt Ion: 83 Resp: 1483857
Ion Ratio Lower Upper
83 100
85 64.4 52.8 79.2



#30
Cyclohexane
Concen: 9.65 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion: 84 Resp: 828164
Ion Ratio Lower Upper
84 100
56 138.2 111.4 167.0
41 81.1 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 9.55 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 12:28 VL0309ABS01

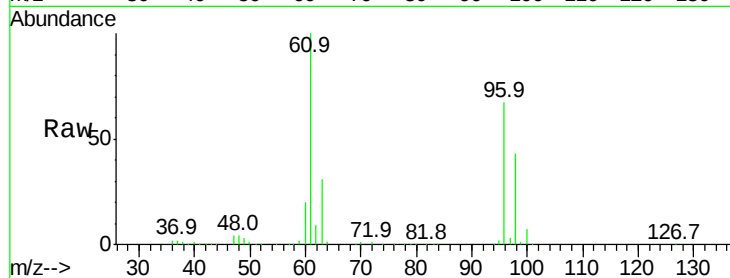
Tgt Ion: 61 Resp: 906935

Ion Ratio Lower Upper

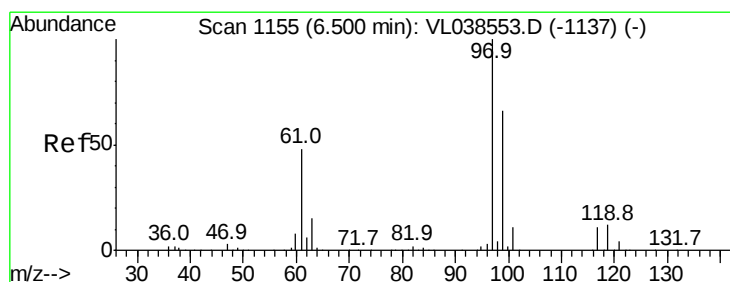
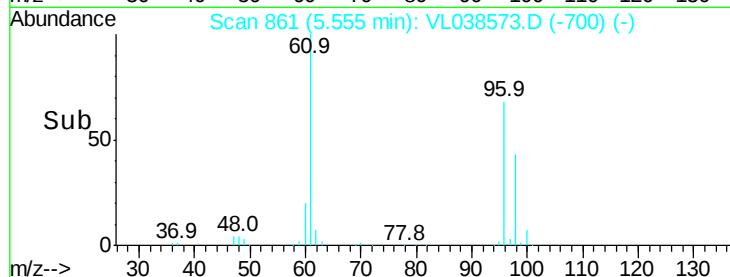
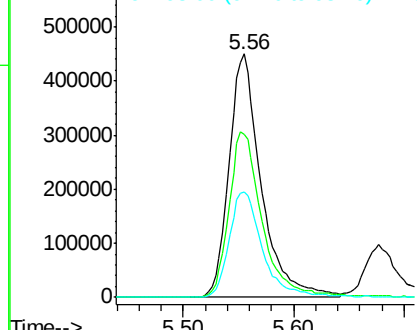
61 100

96 66.6 55.2 82.8

98 43.3 34.2 51.4



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: 9.48 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VL038573.D

Acq: 9 Mar 2022 12:28

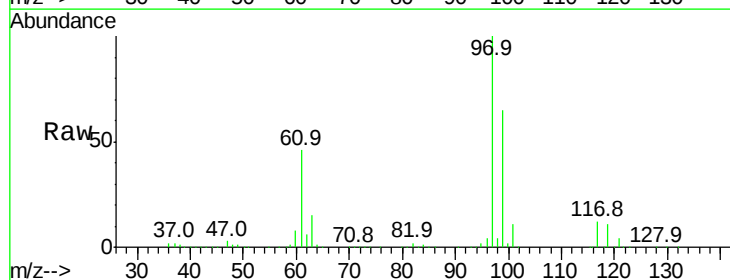
Tgt Ion: 97 Resp: 1420189

Ion Ratio Lower Upper

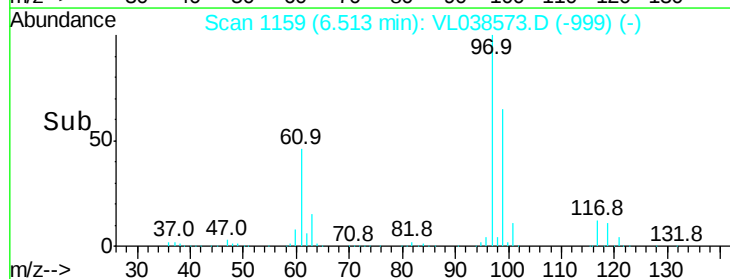
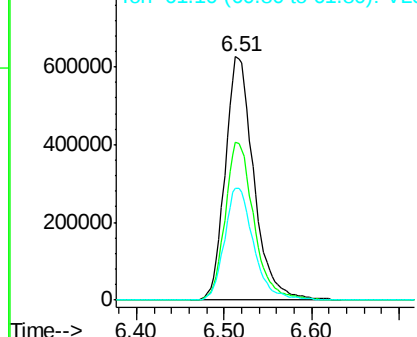
97 100

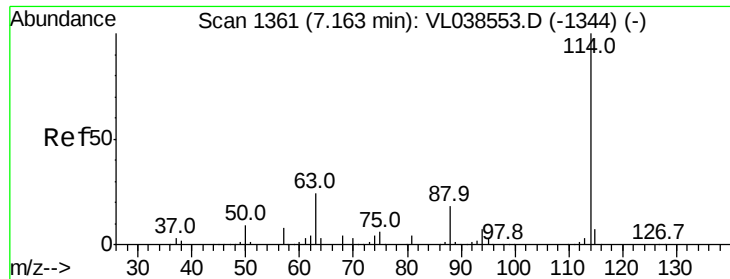
99 65.2 52.1 78.1

61 47.0 37.7 56.5



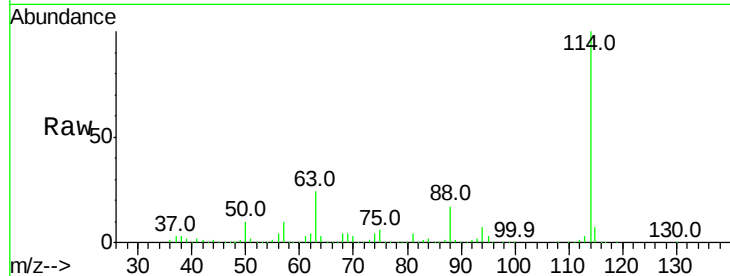
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



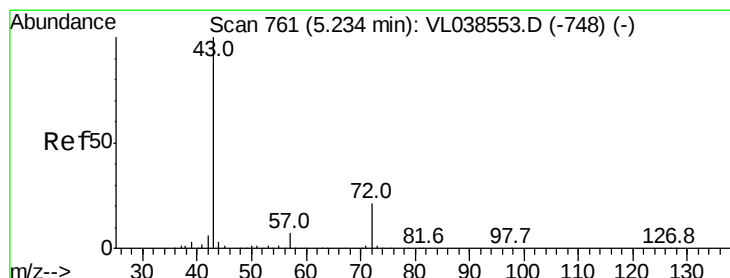
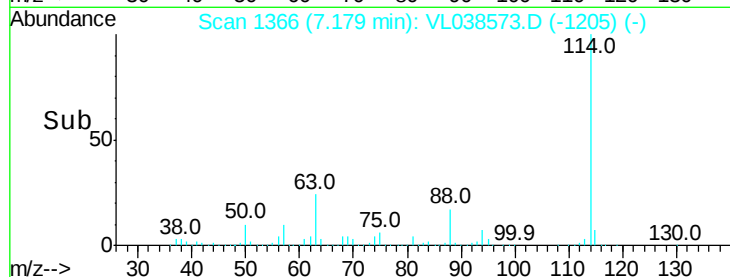
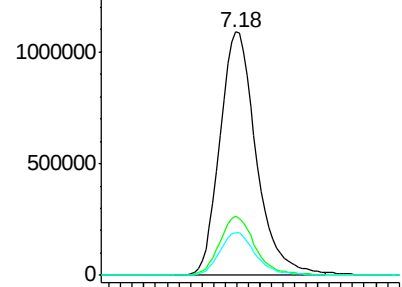


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

Tgt Ion:114 Resp: 2366759
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.4 13.9 20.9

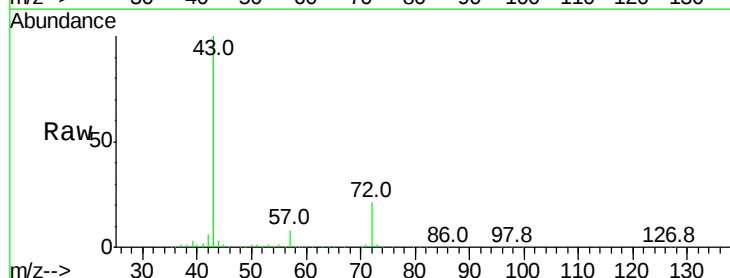


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

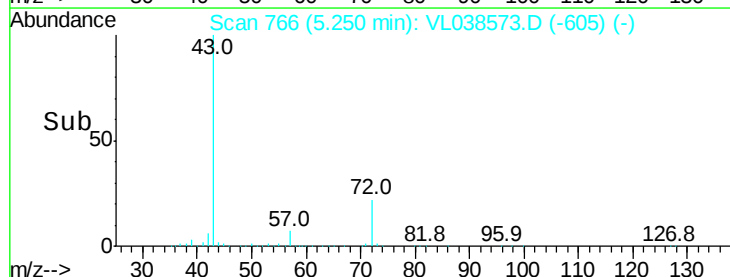
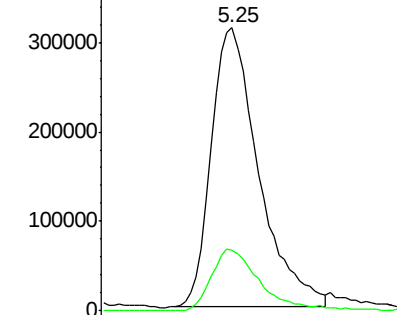


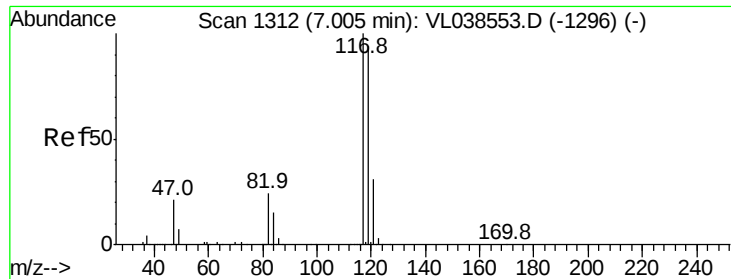
#34
 2-Butanone
 Concen: 10.29 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion: 43 Resp: 631306
 Ion Ratio Lower Upper
 43 100
 72 23.6 17.8 26.6



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

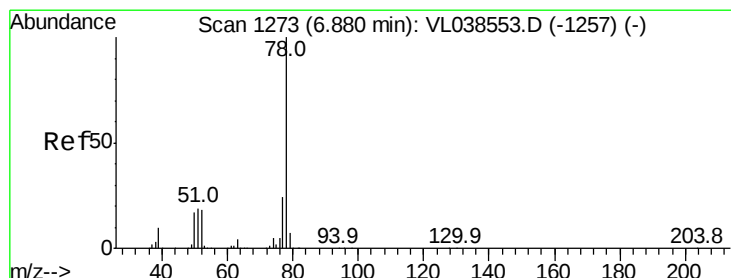
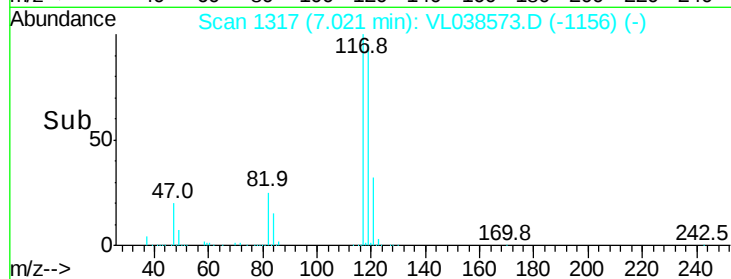
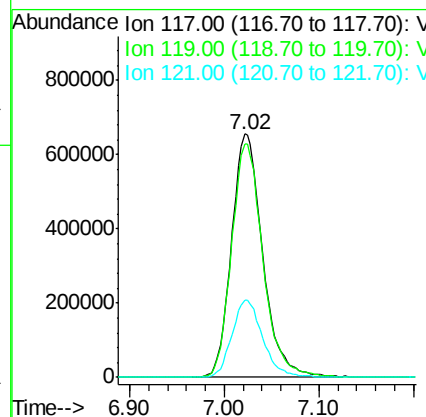
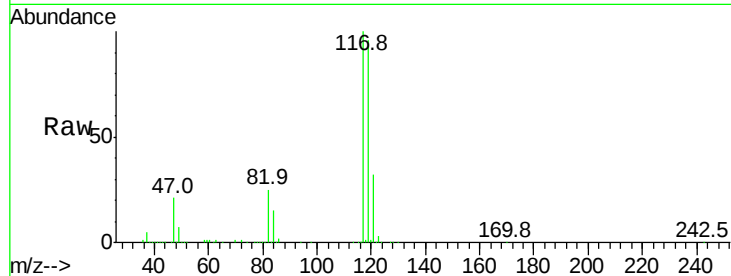




#35
Carbon Tetrachloride
Concen: 9.29 ppbv
RT: 7.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0309ABS01
Acq: 9 Mar 2022 12:28

Tgt Ion: 117 Resp: 1499003

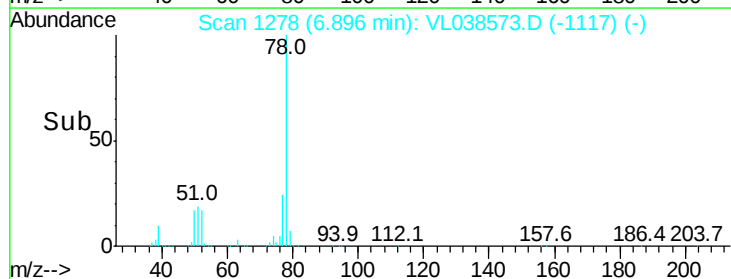
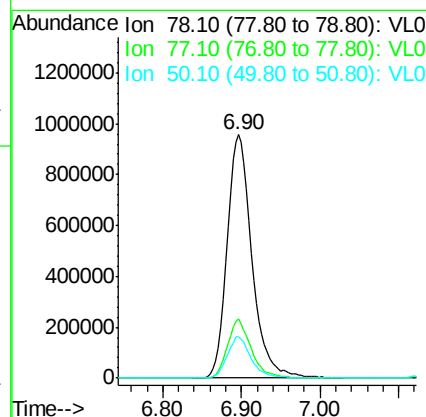
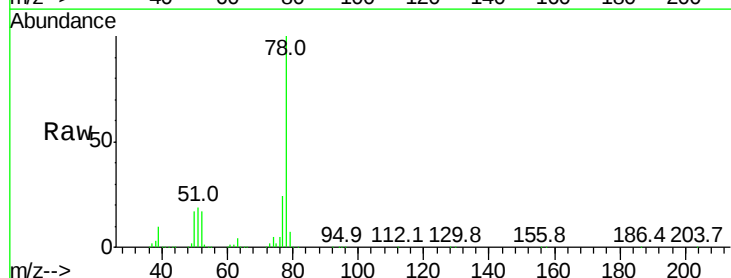
Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8
121	31.7	24.8	37.2

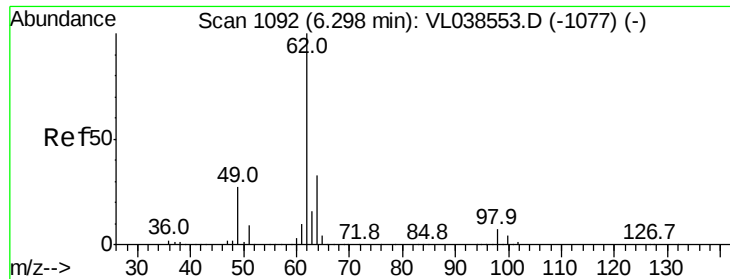


#36
Benzene
Concen: 9.73 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion: 78 Resp: 2078801

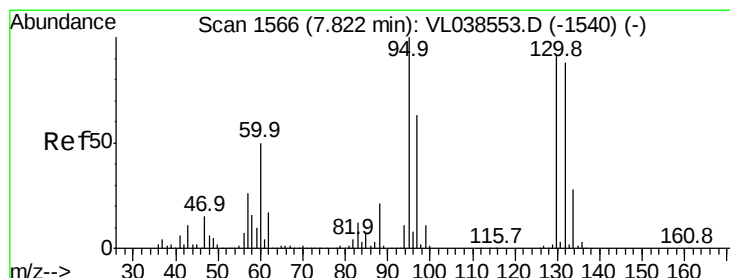
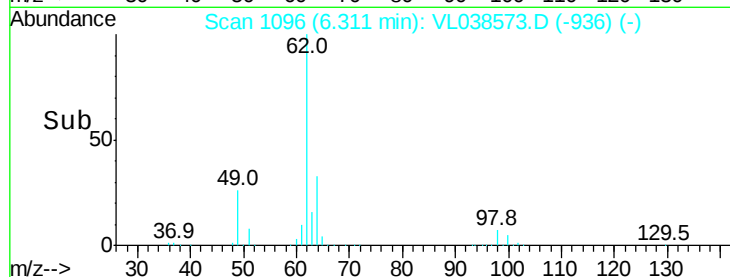
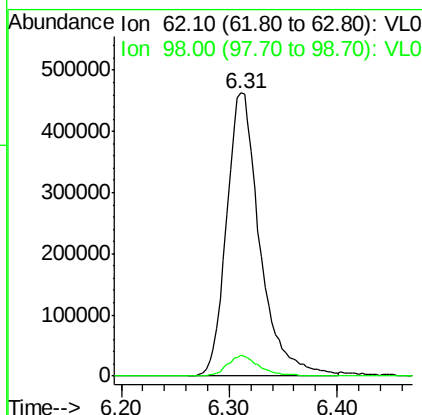
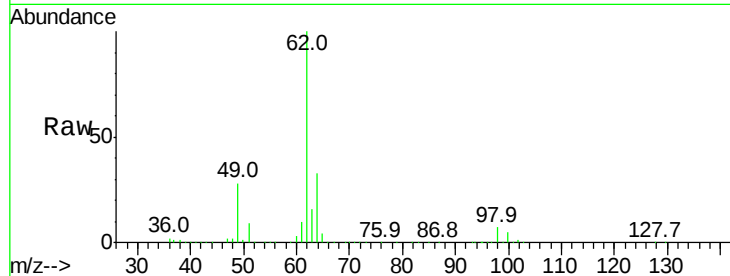
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4
50	16.9	13.9	20.9





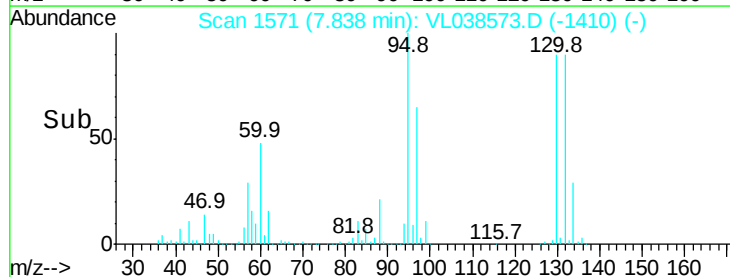
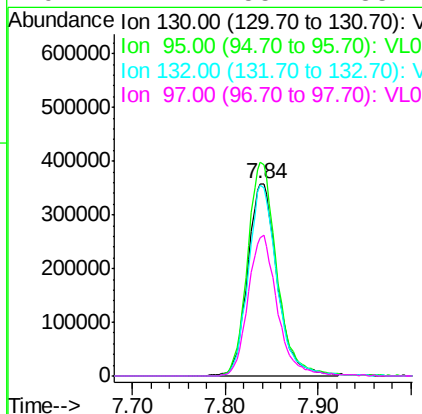
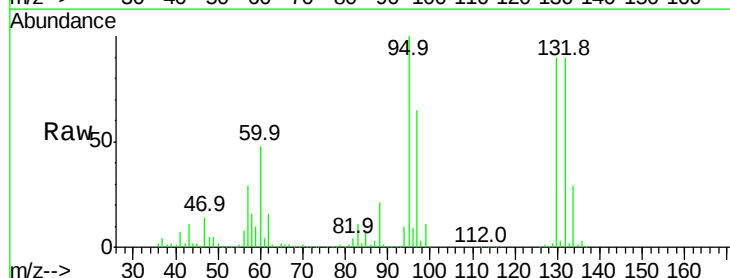
#37
 1,2-Dichloroethane
 Concen: 9.78 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

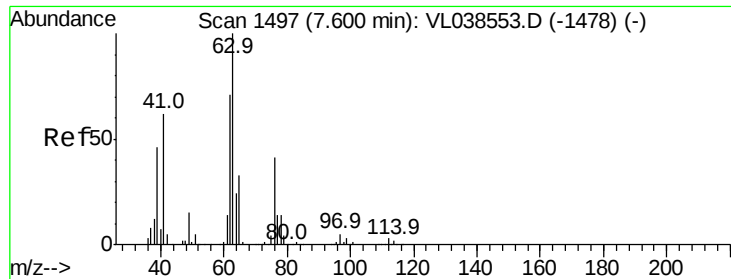
Tgt Ion: 62 Resp: 997711
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.7 8.5



#38
 Trichloroethene
 Concen: 9.33 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

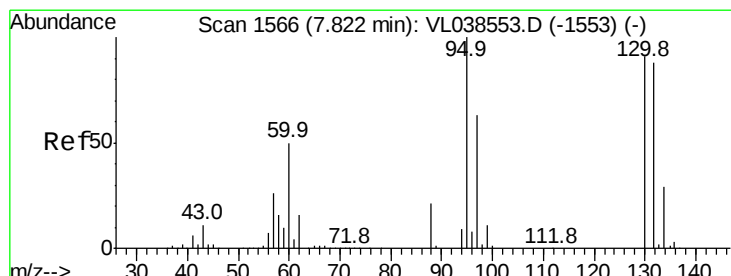
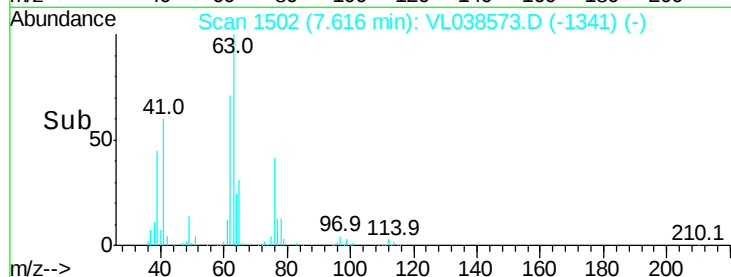
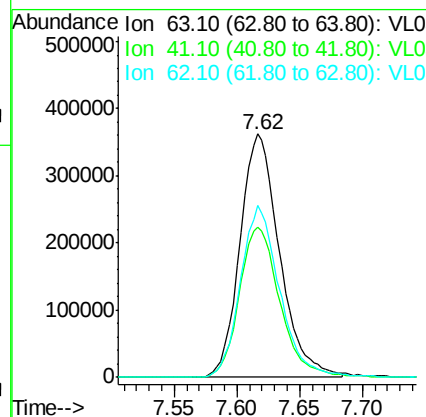
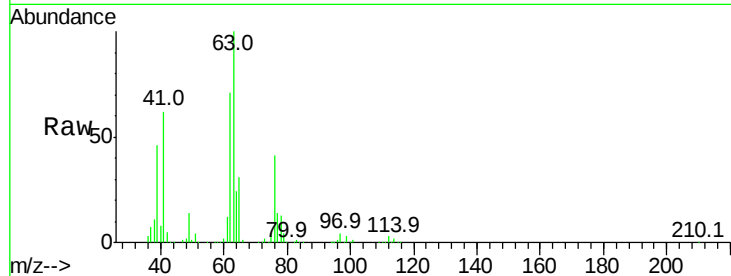
Tgt Ion: 130 Resp: 796276
 Ion Ratio Lower Upper
 130 100
 95 111.0 87.8 131.8
 132 99.5 77.5 116.3
 97 71.7 55.4 83.2





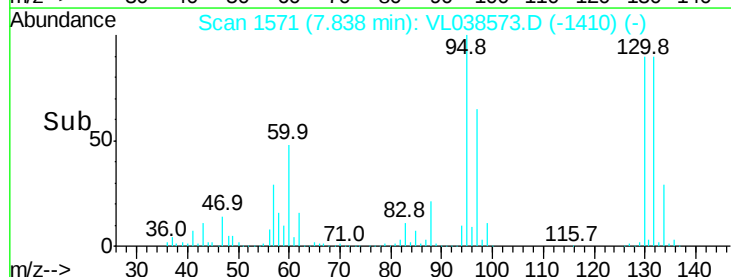
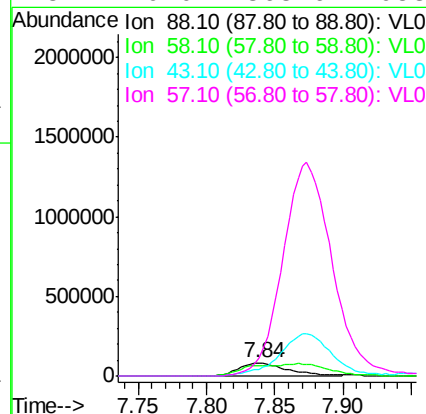
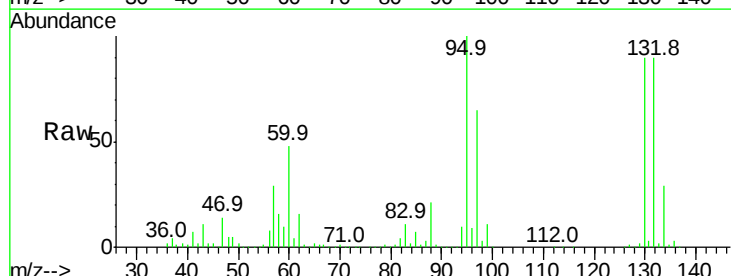
#39
 1,2-Dichloropropane
 Concen: 9.69 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0309ABS01
 Acq: 9 Mar 2022 12:28

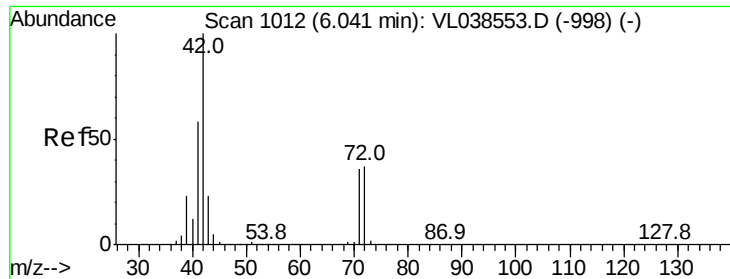
Tgt Ion: 63 Resp: 795708
 Ion Ratio Lower Upper
 63 100
 41 61.7 49.8 74.6
 62 70.7 56.7 85.1



#40
 1,4-Dioxane
 Concen: 9.74 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

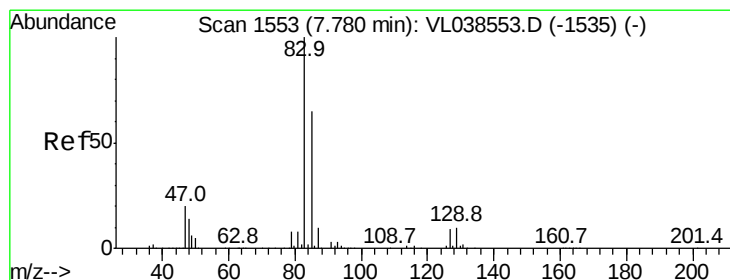
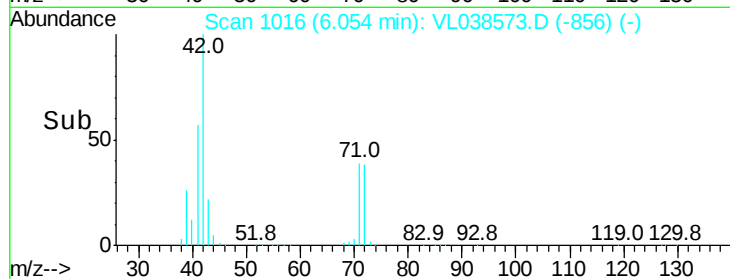
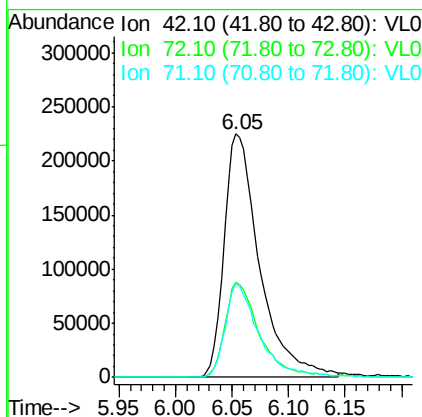
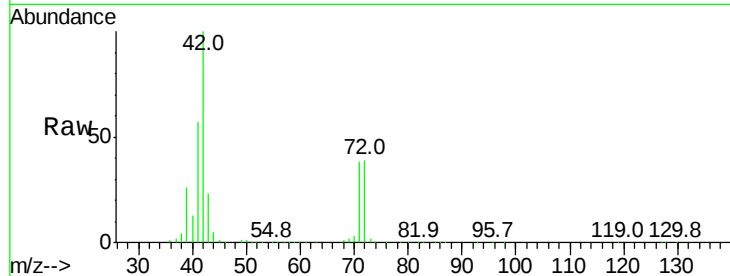
Tgt Ion: 88 Resp: 200304
 Ion Ratio Lower Upper
 88 100
 58 0.0 126.7 190.1#
 43 0.0 303.0 454.6#
 57 0.0 1368.6 2053.0#





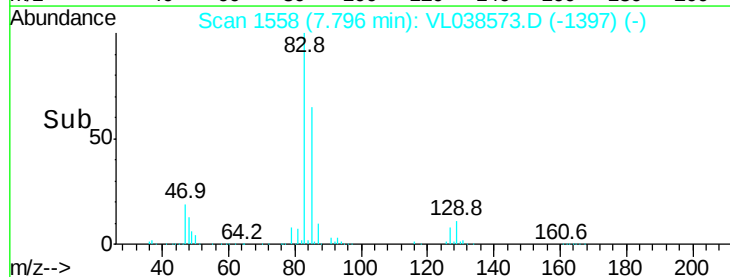
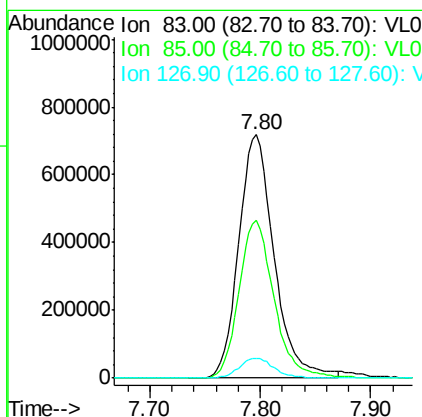
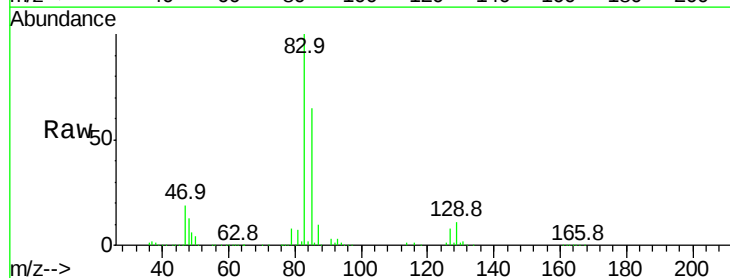
#41
Tetrahydrofuran
Concen: 9.81 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VL0309ABS01
Acq: 9 Mar 2022 12:28

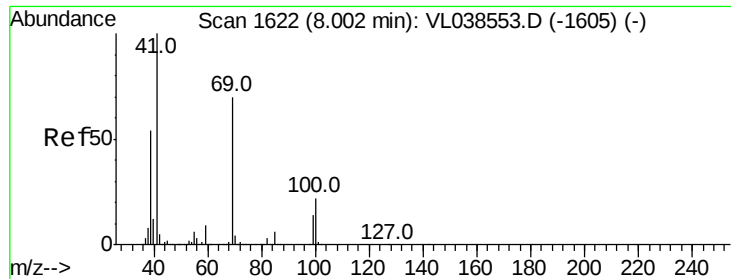
Tgt Ion:	42	Resp:	492201
Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.9	46.3
71	37.3	29.1	43.7



#42
Bromodichloromethane
Concen: 9.89 ppbv
RT: 7.80 min Scan# 1558
Delta R.T.: 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

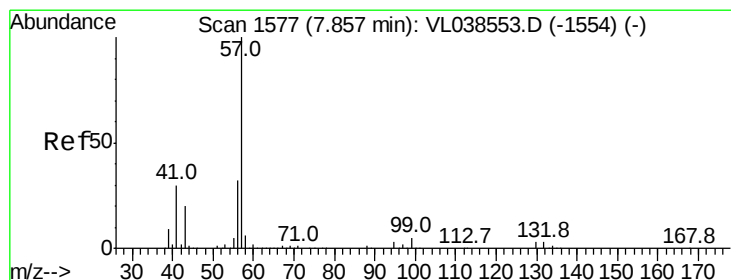
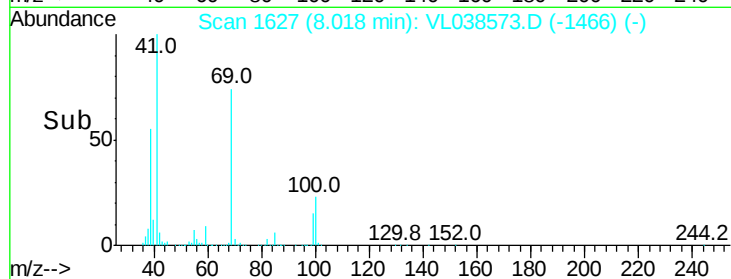
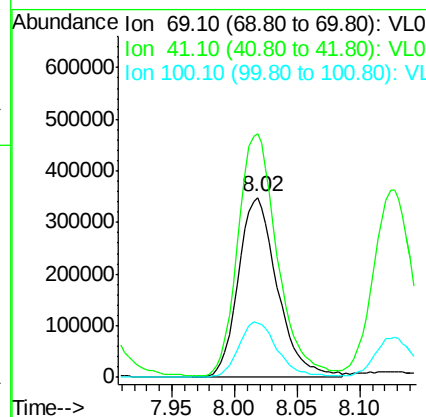
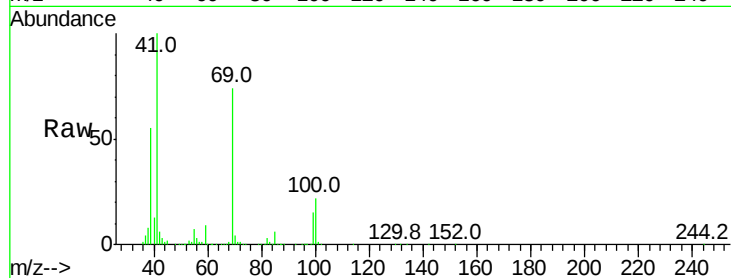
Tgt Ion:	83	Resp:	1601063
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.7	77.5
127	8.1	6.9	10.3





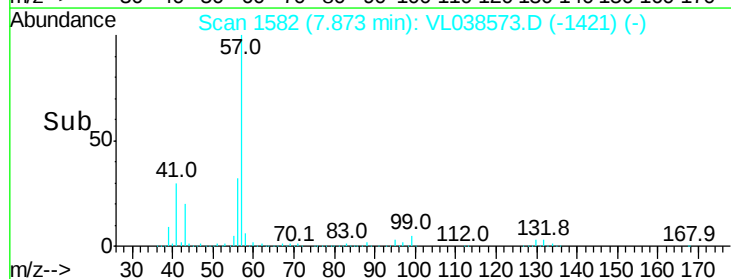
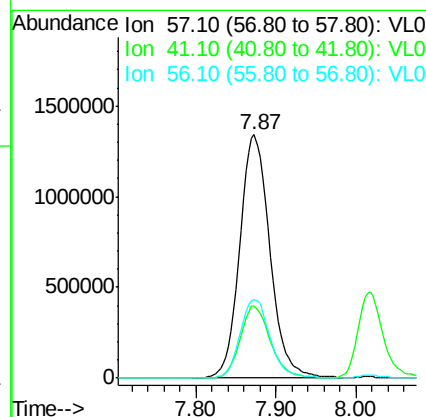
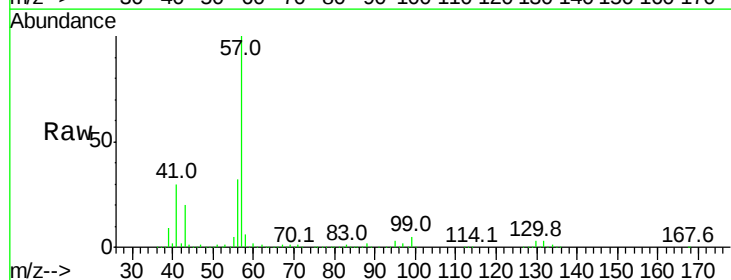
#43
Methyl Methacrylate
Concen: 10.29 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0309ABS01
Acq: 9 Mar 2022 12:28

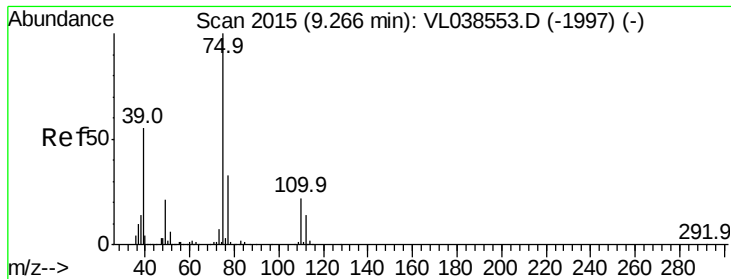
Tgt Ion: 69 Resp: 754138
Ion Ratio Lower Upper
69 100
41 136.9 113.8 170.6
100 30.6 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.45 ppbv
RT: 7.87 min Scan# 1582
Delta R.T.: 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion: 57 Resp: 3411545
Ion Ratio Lower Upper
57 100
41 29.4 24.0 36.0
56 32.0 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 11.43 ppbv

RT: 9.28

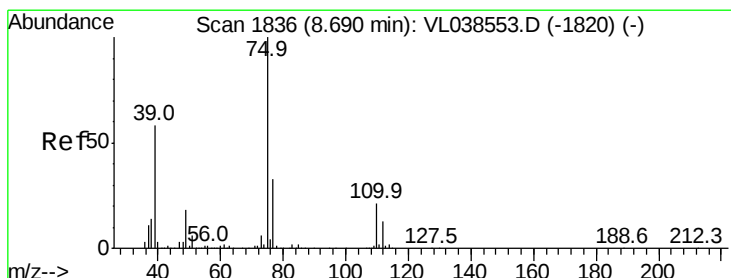
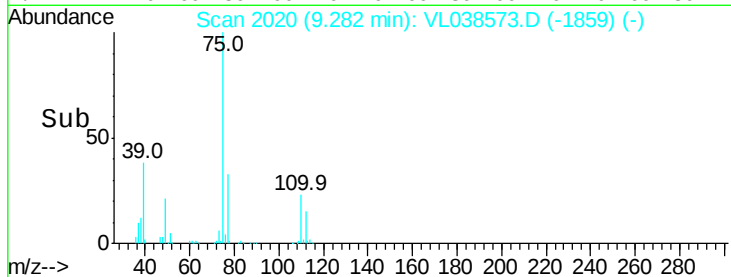
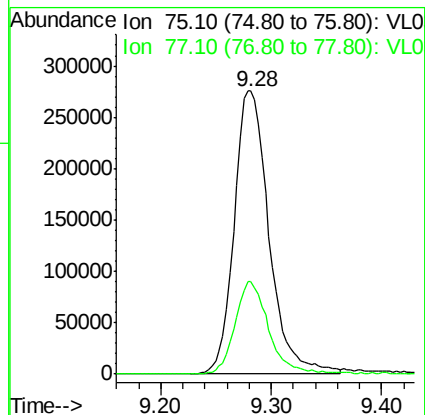
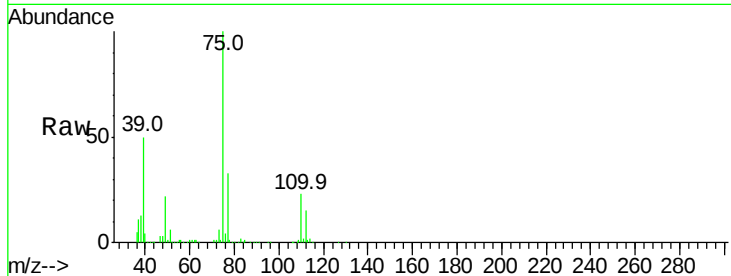
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VL0309ABS01

Acq: 9 Mar 2022 12:28

Tgt Ion: 75 Resp: 604099

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.6	40.0



#46

cis-1,3-Dichloropropene

Concen: 10.73 ppbv

RT: 8.71 min Scan# 1841

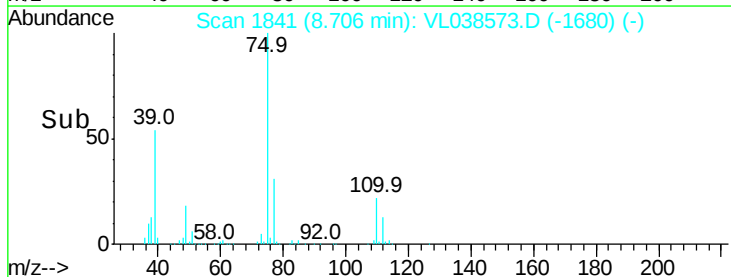
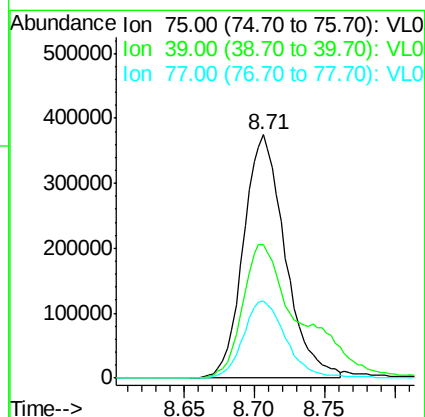
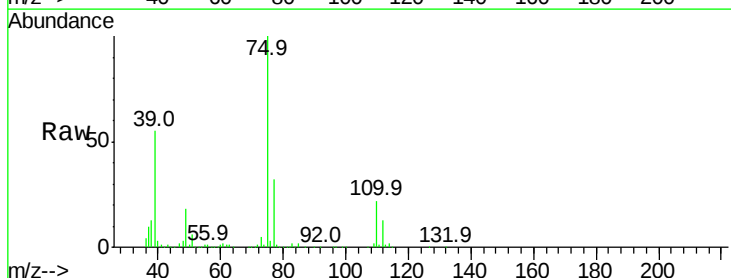
Delta R.T. 0.02 min

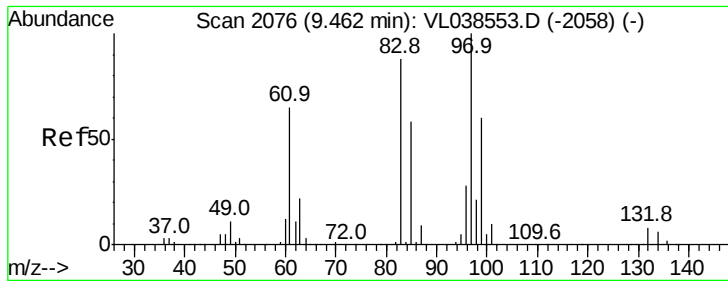
Lab File: VL038573.D

Acq: 9 Mar 2022 12:28

Tgt Ion: 75 Resp: 775312

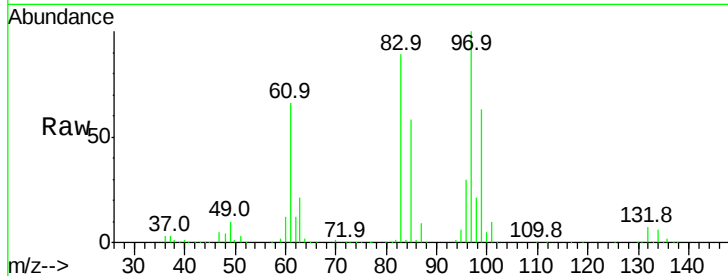
Ion	Ratio	Lower	Upper
75	100		
39	54.7	46.2	69.2
77	31.5	26.2	39.2



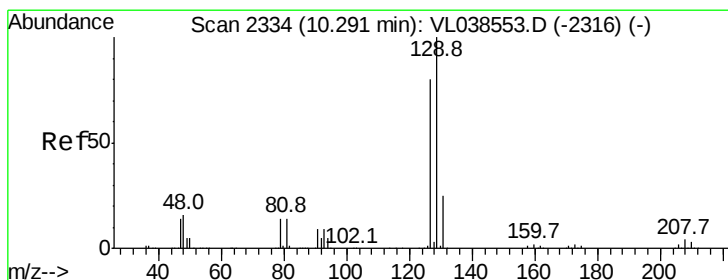
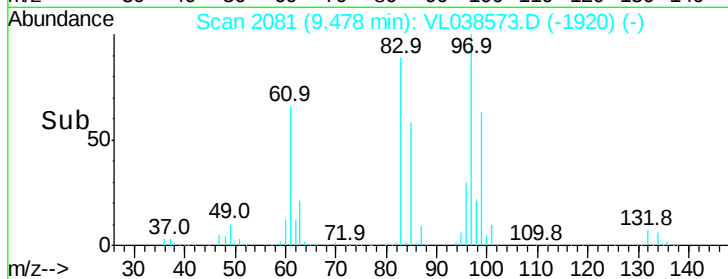
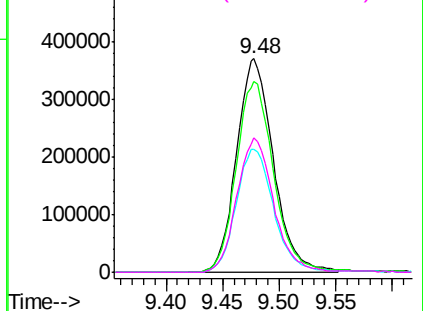


#47
 1,1,2-Trichloroethane
 Concen: 10.08 ppbv
 RT: 9.48 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampled : VL0309ABS01
 Acq: 9 Mar 2022 12:28

Tgt Ion:	97	Resp:	843433
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.1	105.1
85	57.6	46.6	69.8
99	63.2	48.1	72.1

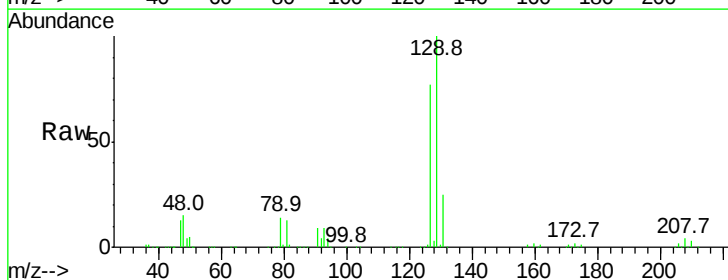


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

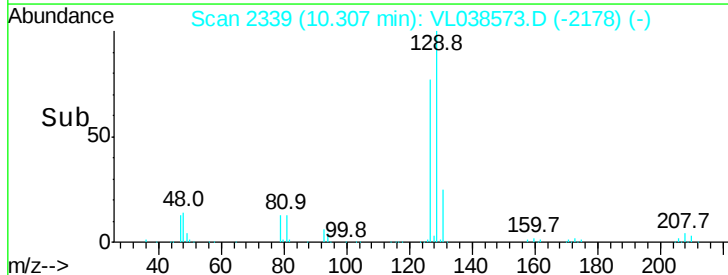
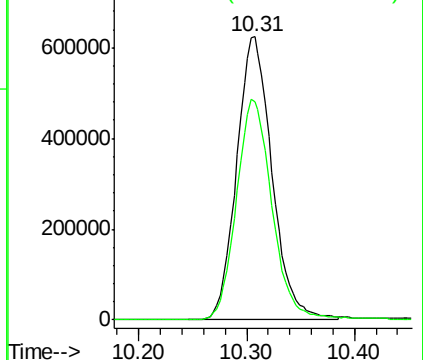


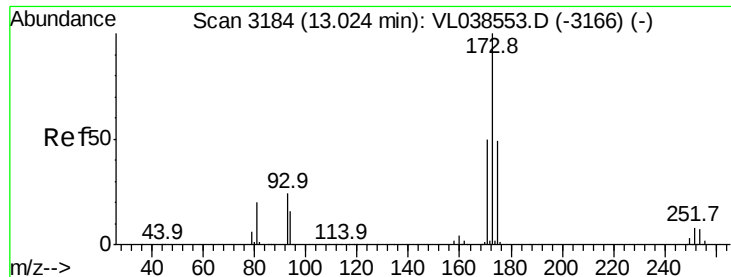
#48
 Dibromochloromethane
 Concen: 10.72 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion:	129	Resp:	1425257
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.5	118.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.73 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 12:28

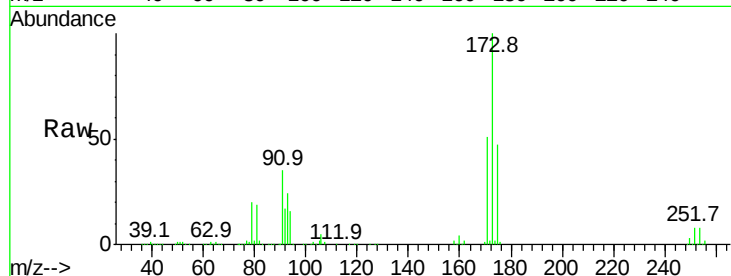
Tgt Ion:173 Resp: 1194487

Ion Ratio Lower Upper

173 100

175 50.7 40.7 61.1

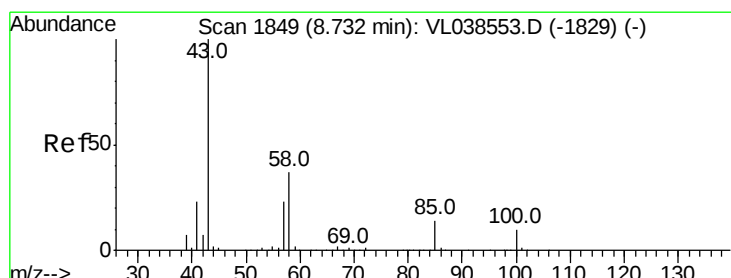
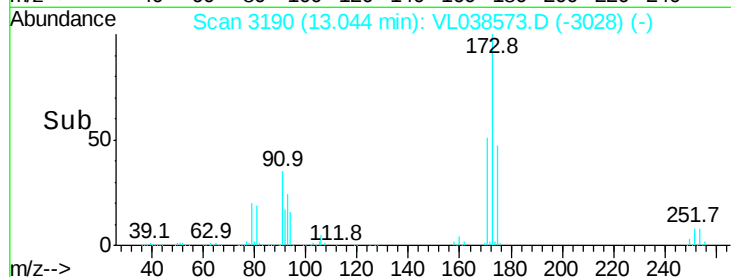
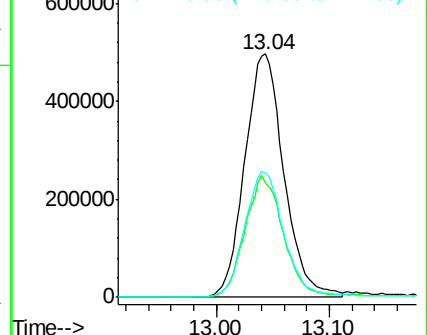
171 53.3 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.02 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL038573.D

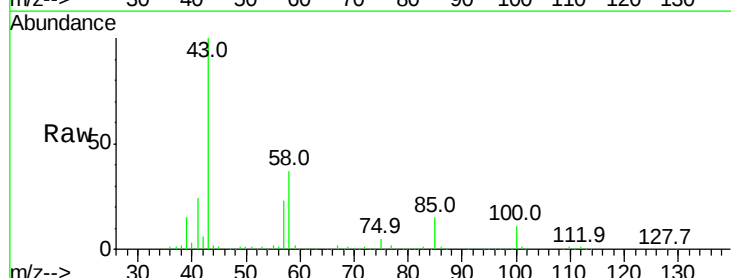
Acq: 9 Mar 2022 12:28

Tgt Ion: 43 Resp: 1260399

Ion Ratio Lower Upper

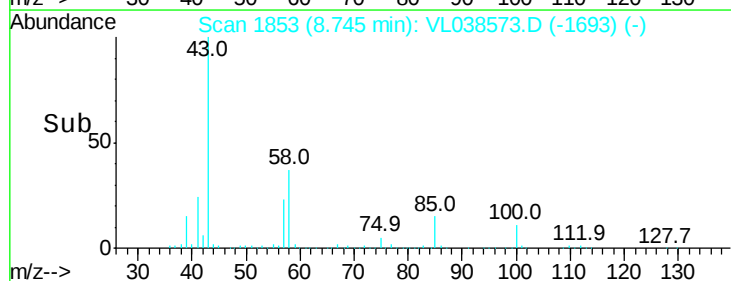
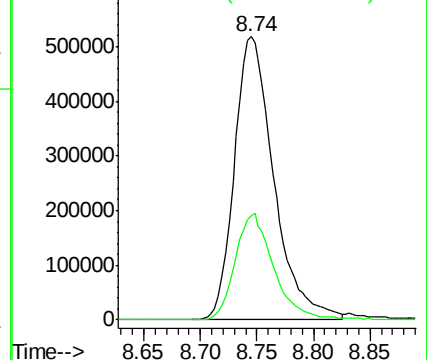
43 100

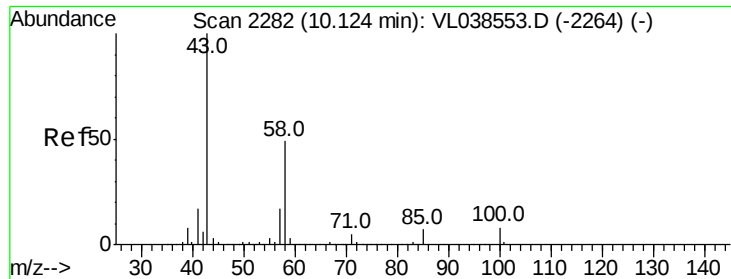
58 37.1 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

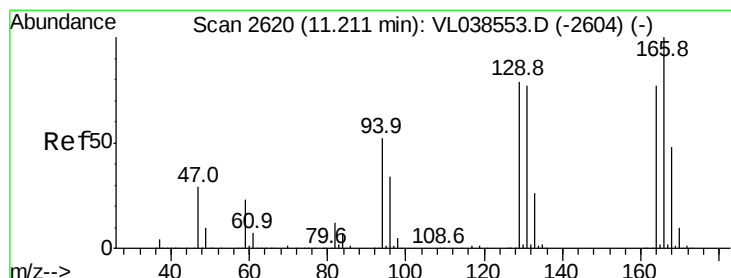
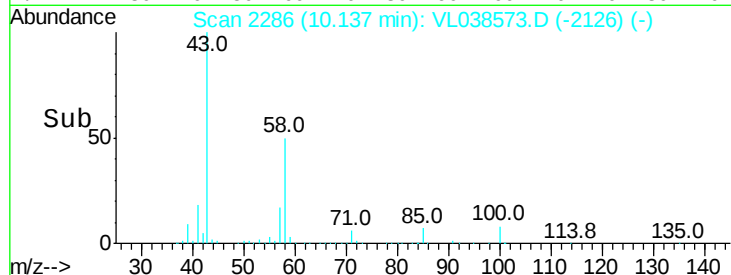
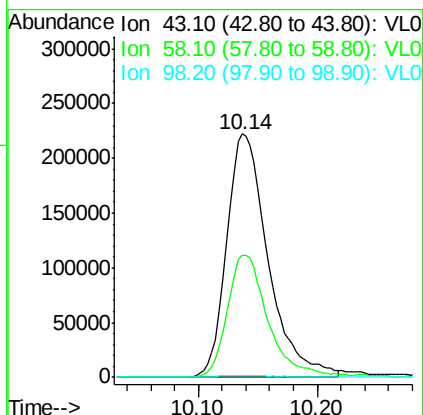
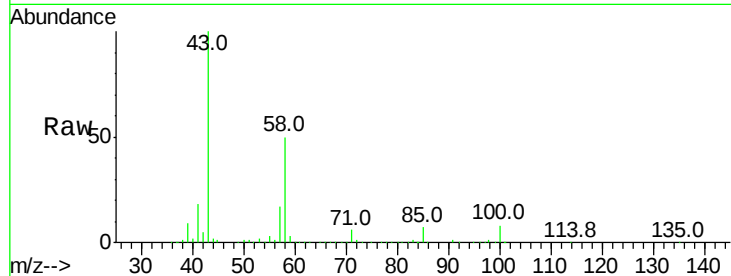
Ion 58.10 (57.80 to 58.80): VL0





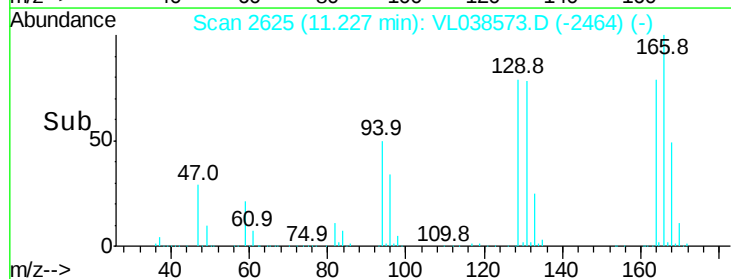
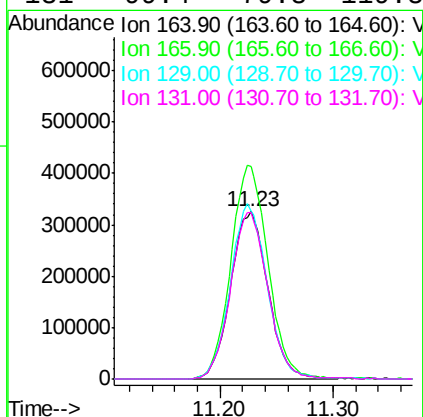
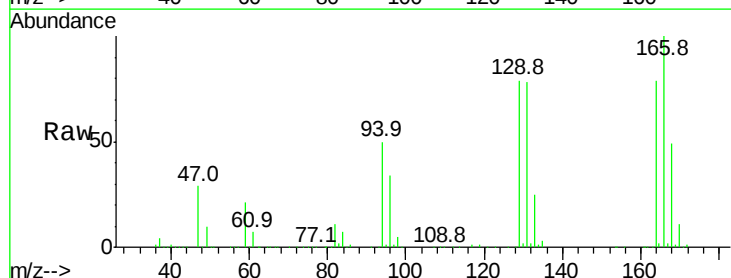
#51
2-Hexanone
Concen: 10.02 ppbv
RT: 10.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0309ABS01
Acq: 9 Mar 2022 12:28

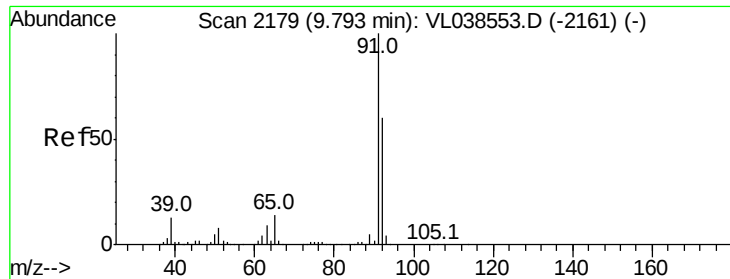
Tgt Ion: 43 Resp: 532654
Ion Ratio Lower Upper
43 100
58 50.5 40.1 60.1
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.54 ppbv
RT: 11.23 min Scan# 2625
Delta R.T.: 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion: 164 Resp: 747055
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.2
129 100.2 81.3 121.9
131 99.4 79.8 119.8





#53

Toluene

Concen: 10.35 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

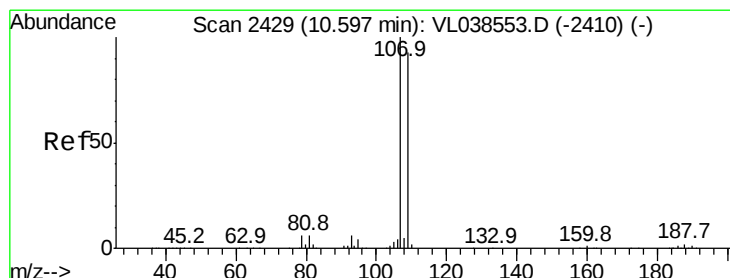
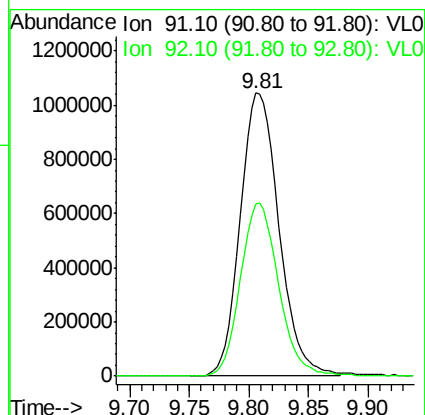
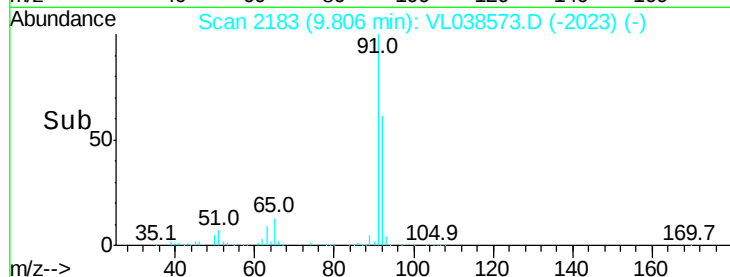
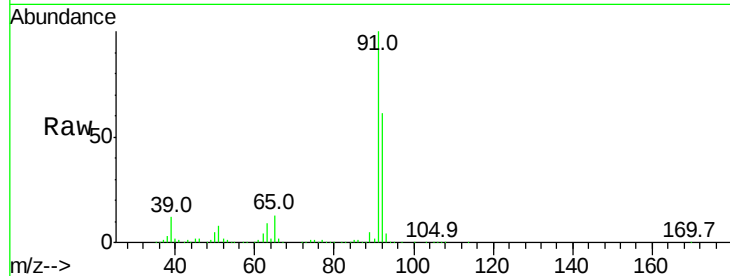
Acq: 9 Mar 2022 12:28 VL0309ABS01

Tgt Ion: 91 Resp: 2359001

Ion Ratio Lower Upper

91 100

92 60.7 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.27 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.02 min

Lab File: VL038573.D

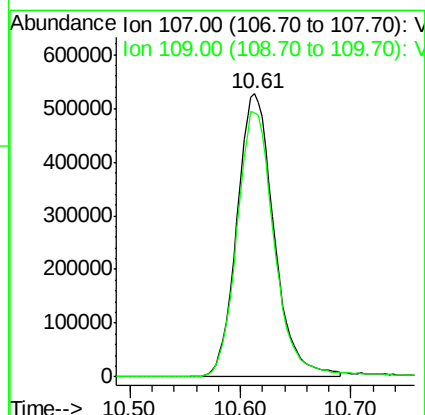
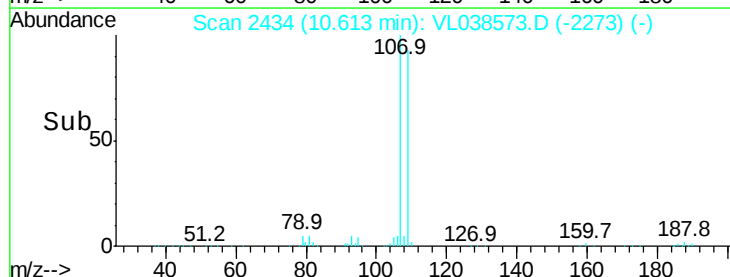
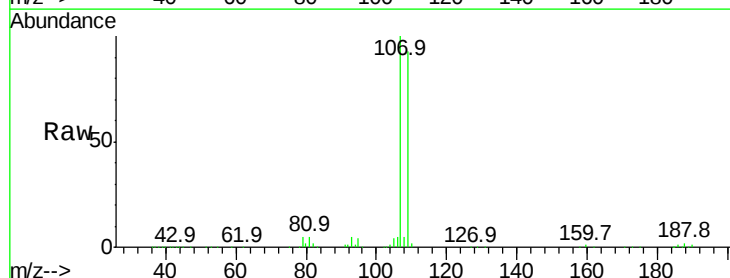
Acq: 9 Mar 2022 12:28

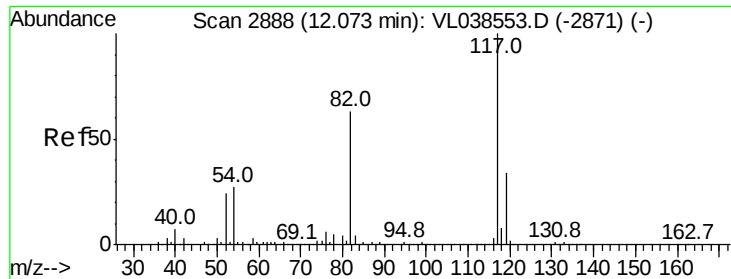
Tgt Ion: 107 Resp: 1228584

Ion Ratio Lower Upper

107 100

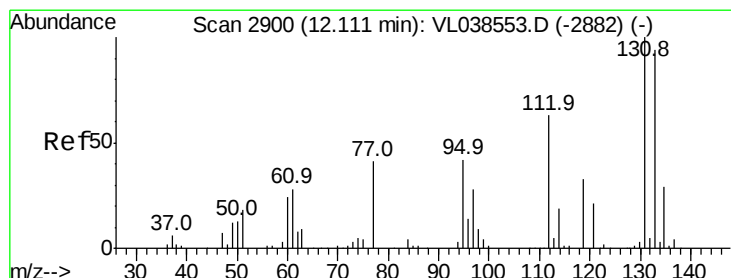
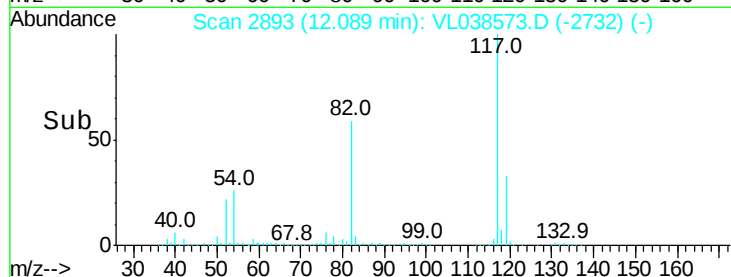
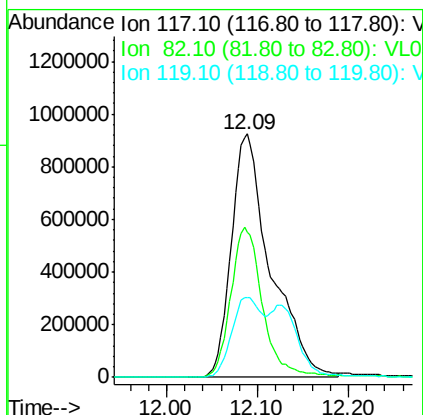
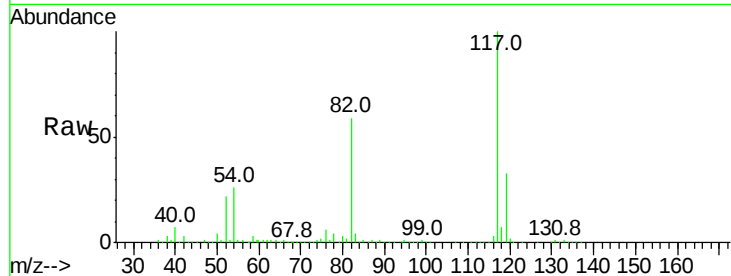
109 93.1 74.6 112.0





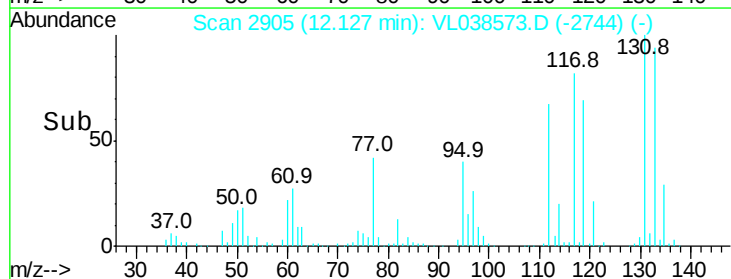
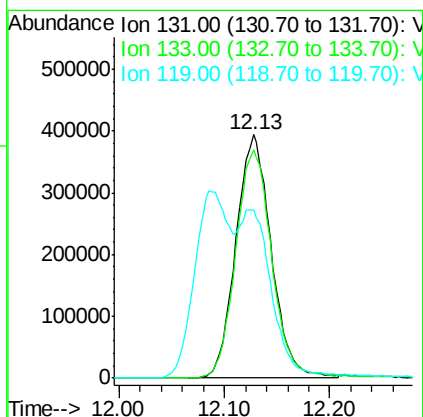
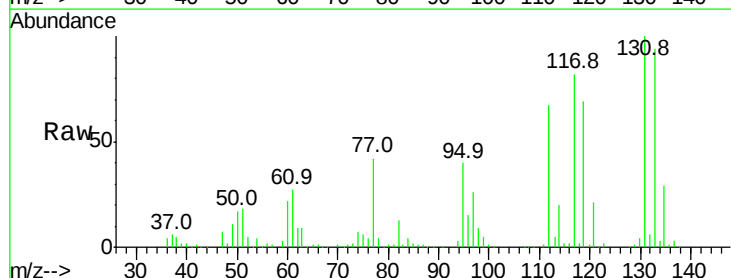
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0309ABS01
Acq: 9 Mar 2022 12:28

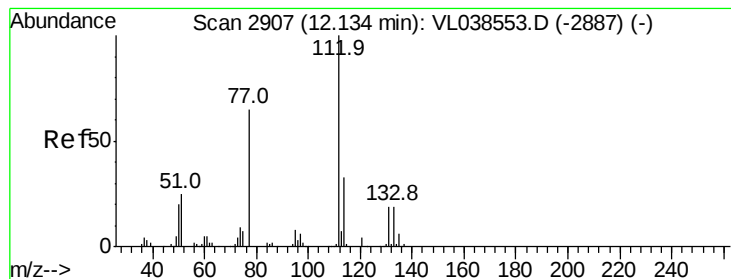
Tgt Ion:117 Resp: 2775778
Ion Ratio Lower Upper
117 100
82 51.0 52.5 78.7#
119 26.6 46.4 69.6#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.12 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion:131 Resp: 917700
Ion Ratio Lower Upper
131 100
133 97.1 78.0 117.0
119 69.7 53.1 79.7





#57

Chlorobenzene

Concen: 8.06 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 12:28

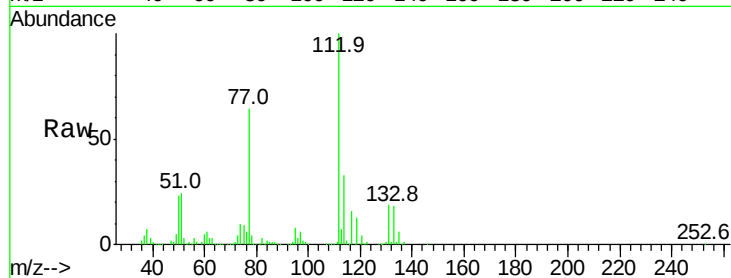
Tgt Ion: 112 Resp: 1707542

Ion Ratio Lower Upper

112 100

77 62.9 52.5 78.7

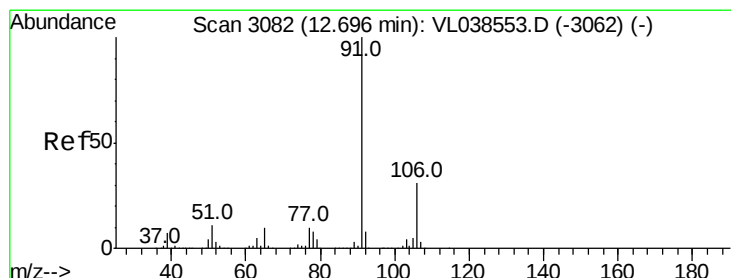
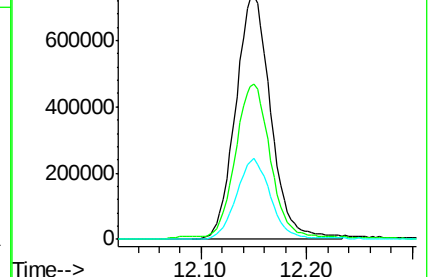
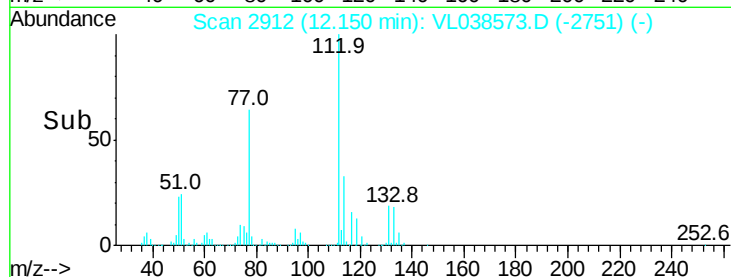
114 33.2 30.0 36.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.38 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL038573.D

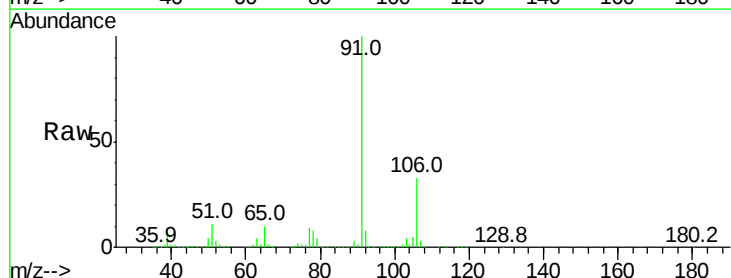
Acq: 9 Mar 2022 12:28

Tgt Ion: 91 Resp: 3011380

Ion Ratio Lower Upper

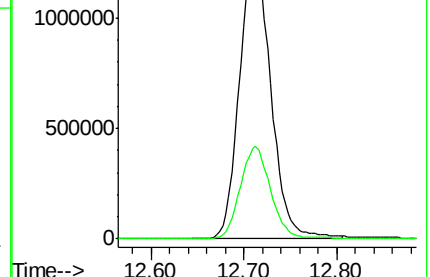
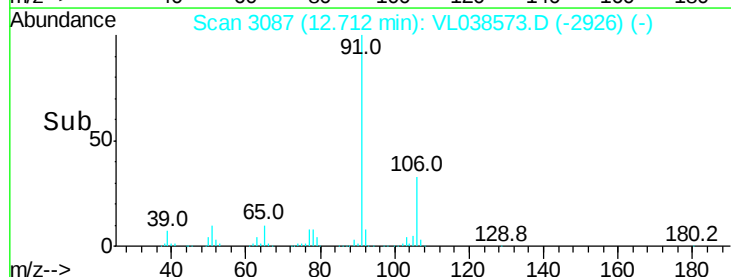
91 100

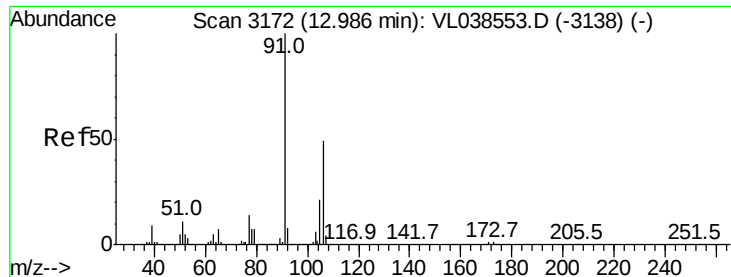
106 32.8 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

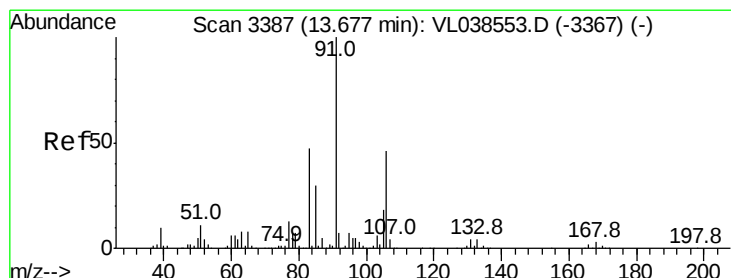
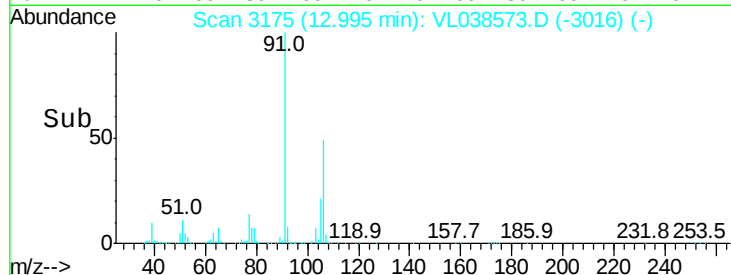
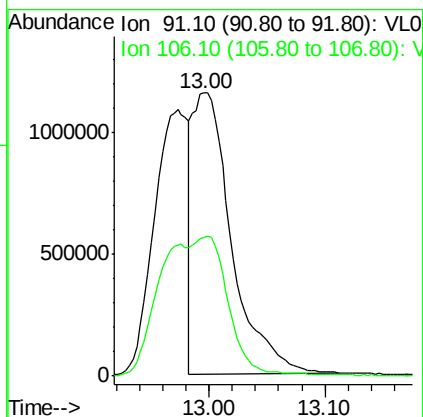
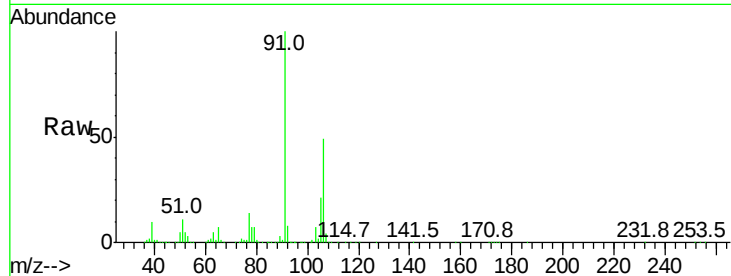
Ion 106.10 (105.80 to 106.80): V





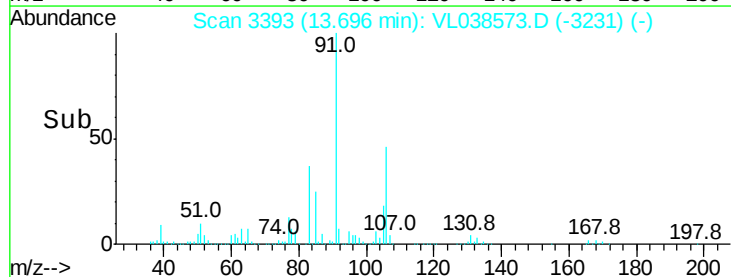
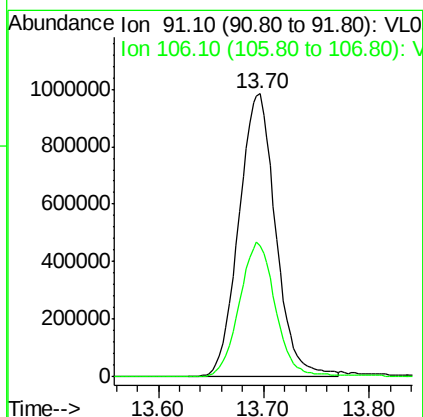
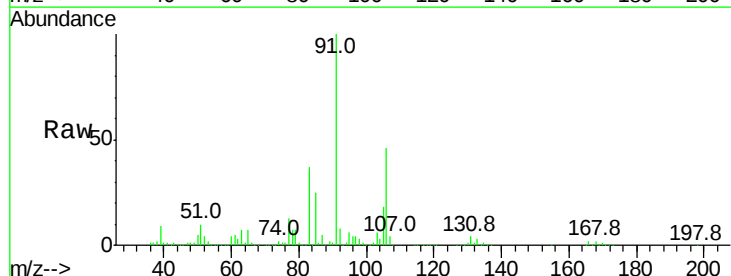
#59
m/p-Xylene
Concen: 8.72 ppbv
RT: 13.00 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL0309ABS01
Acq: 9 Mar 2022 12:28

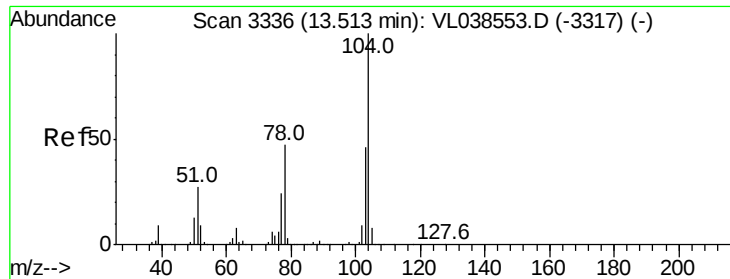
Tgt Ion: 91 Resp: 2682501
Ion Ratio Lower Upper
91 100
106 86.8 37.1 55.7#



#60
o-Xylene
Concen: 8.22 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

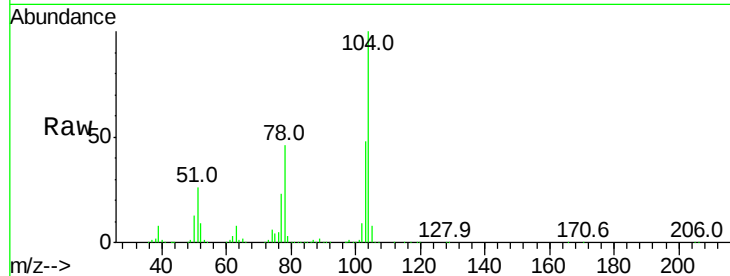
Tgt Ion: 91 Resp: 2388358
Ion Ratio Lower Upper
91 100
106 47.6 23.5 70.6



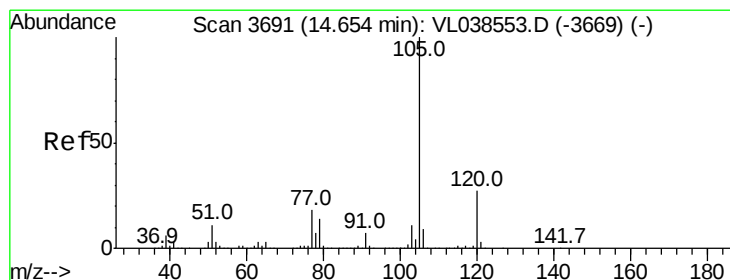
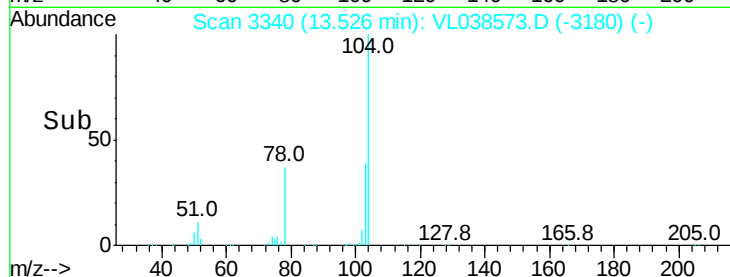
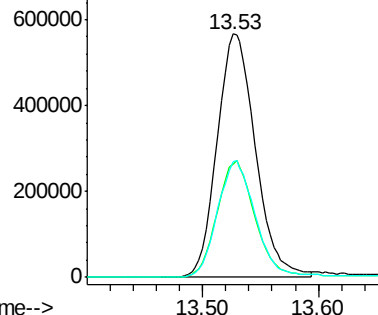


#61
Styrene
Concen: 9.12 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0309ABS01
Acq: 9 Mar 2022 12:28

Tgt Ion:104 Resp: 1305588
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.4
103 47.9 38.0 57.0

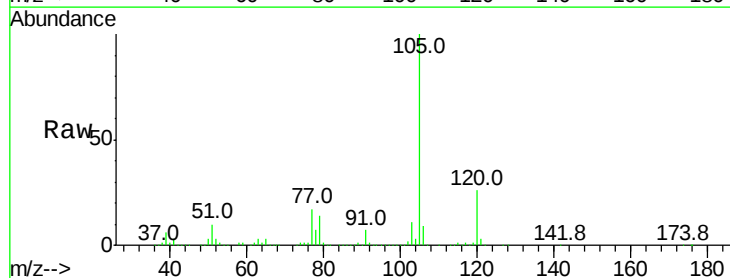


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

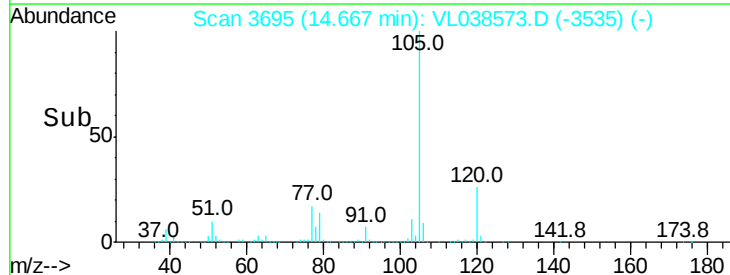
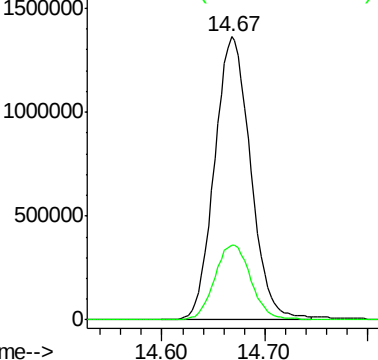


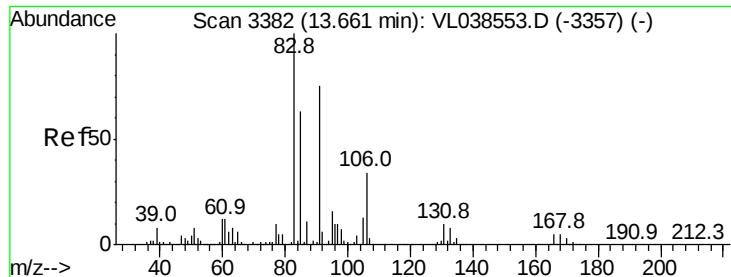
#62
Isopropylbenzene
Concen: 8.26 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.01 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion:105 Resp: 3311467
Ion Ratio Lower Upper
105 100
120 26.9 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: 7.46 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 12:28

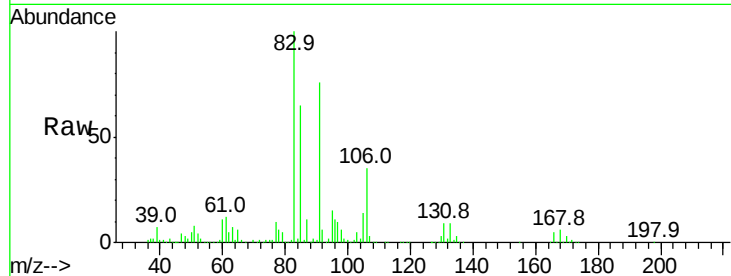
Tgt Ion: 83 Resp: 1831712

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

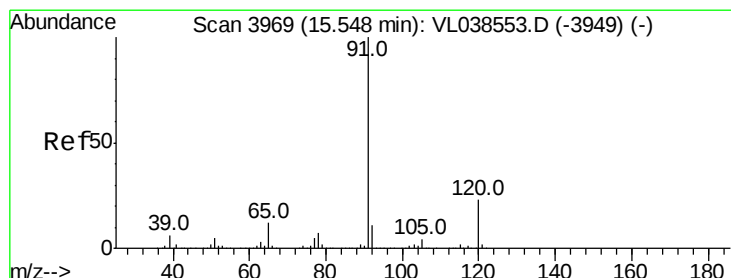
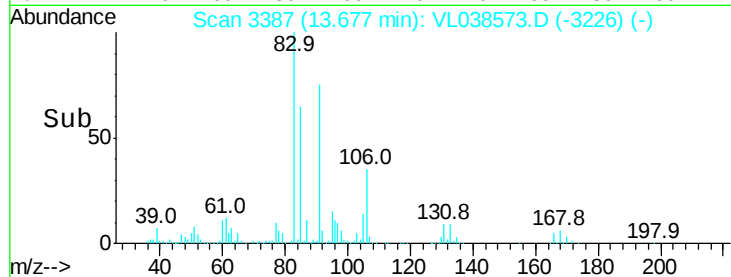
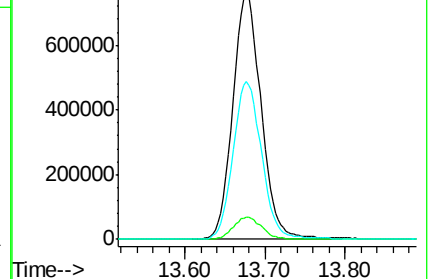
85 65.4 32.6 98.0



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: 8.78 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL038573.D

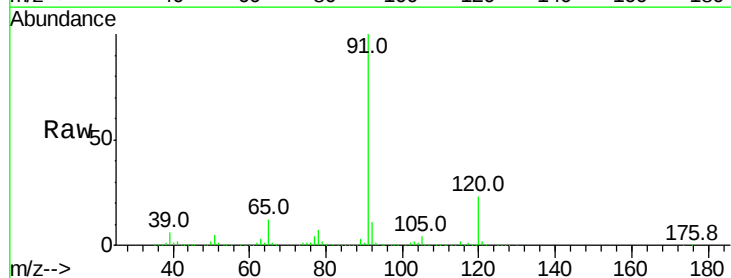
Acq: 9 Mar 2022 12:28

Tgt Ion:120 Resp: 896701

Ion Ratio Lower Upper

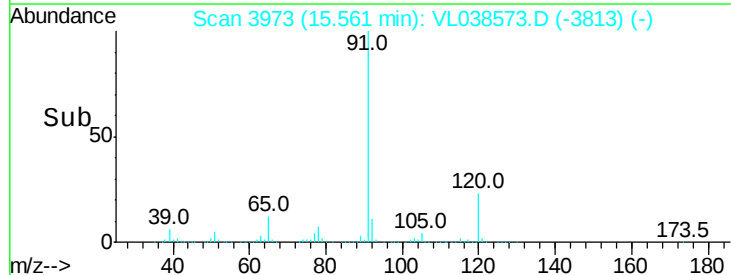
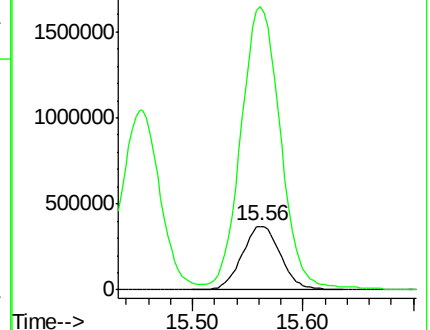
120 100

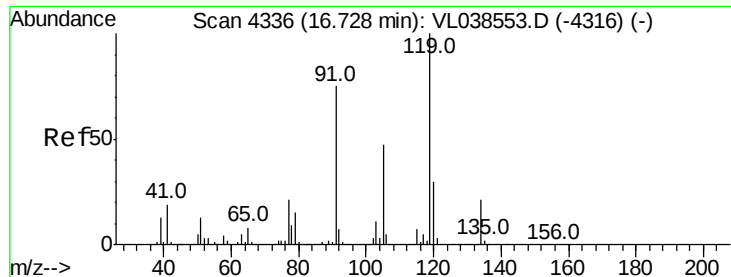
91 458.2 374.2 561.2



Abundance Ion 120.20 (119.90 to 120.90): V

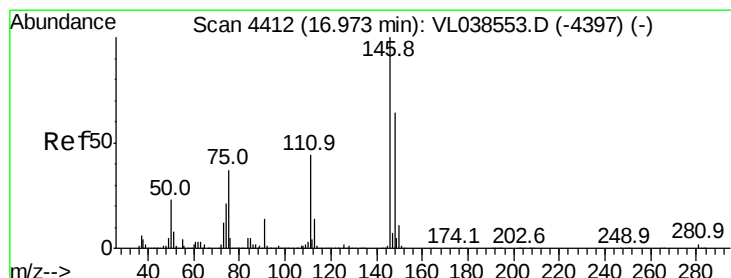
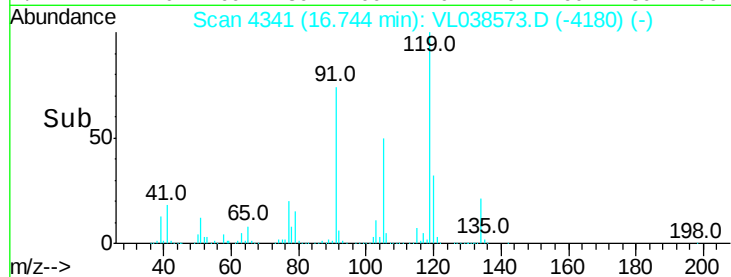
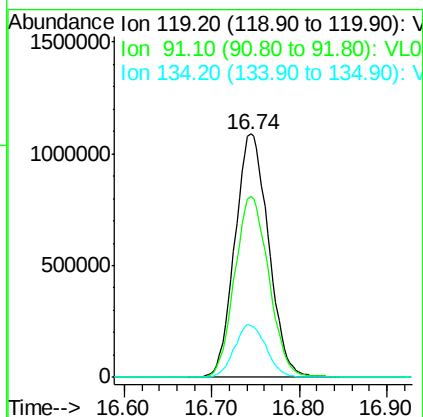
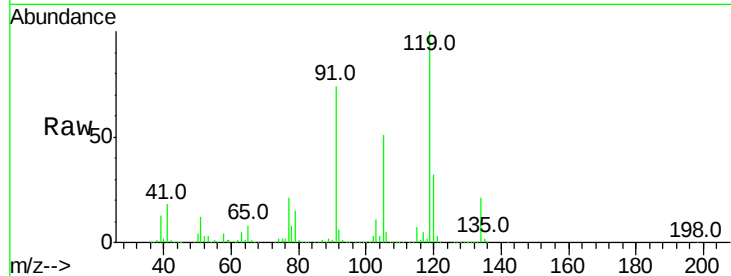
Ion 91.10 (90.80 to 91.80): VL0





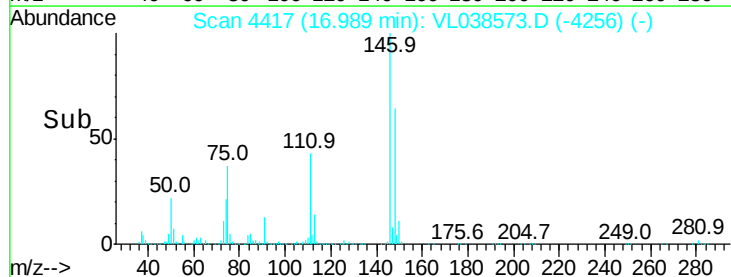
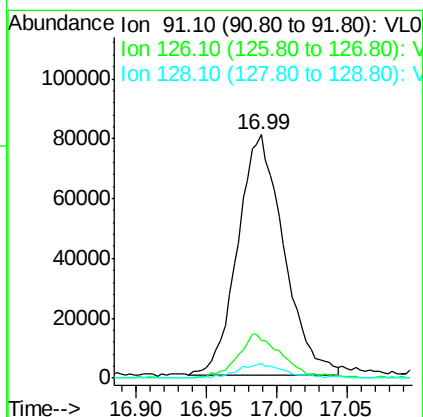
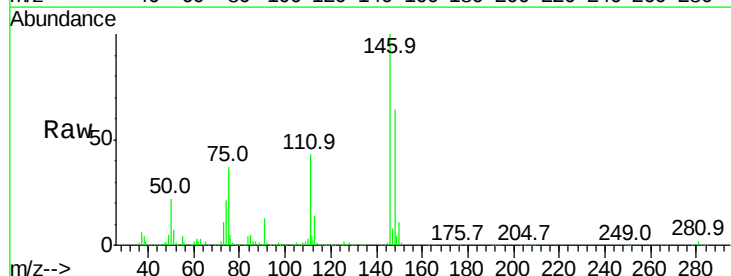
#65
 tert-Butylbenzene
 Concen: 8.10 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

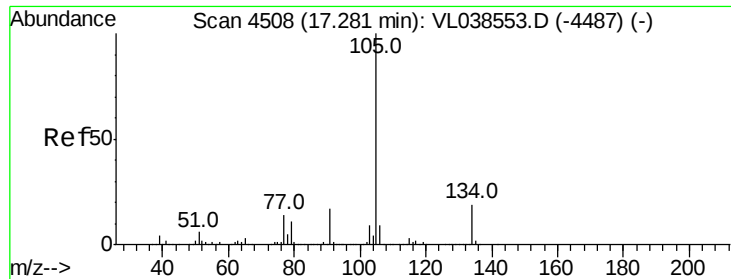
Tgt Ion: 119 Resp: 2902702
 Ion Ratio Lower Upper
 119 100
 91 75.6 61.2 91.8
 134 20.5 16.2 24.2



#66
 Benzyl Chloride
 Concen: 8.60 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

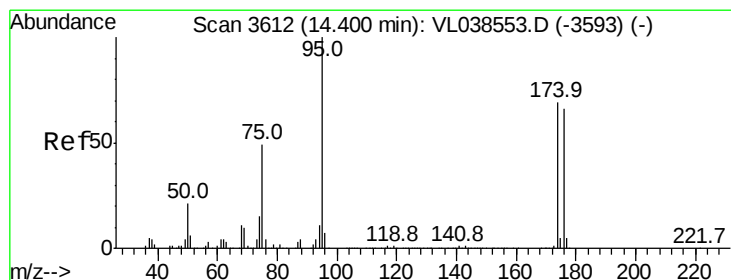
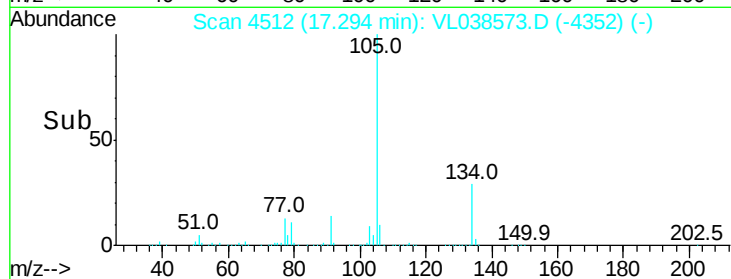
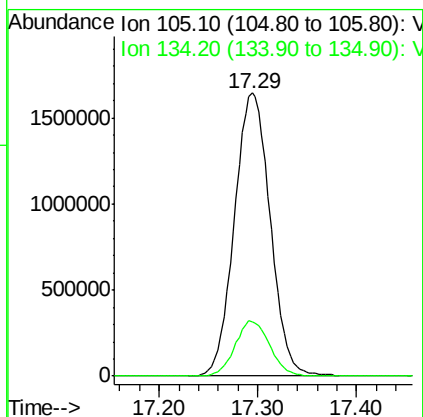
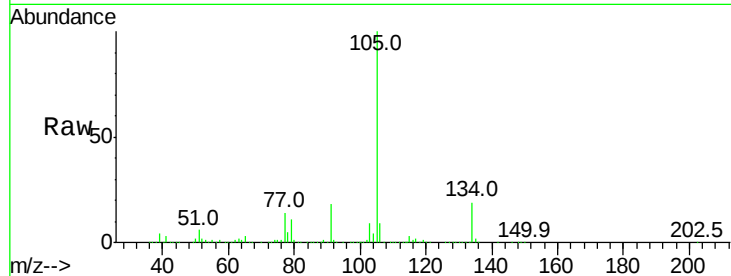
Tgt Ion: 91 Resp: 182753
 Ion Ratio Lower Upper
 91 100
 126 18.1 14.1 21.1
 128 6.3 5.1 7.7





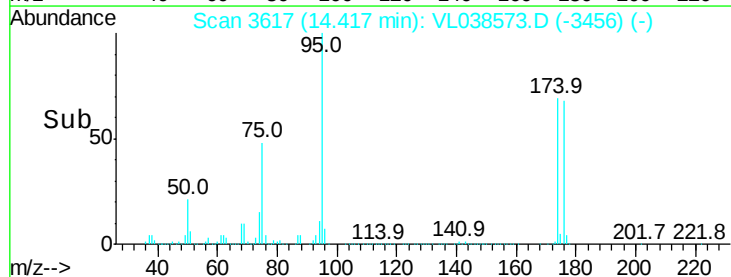
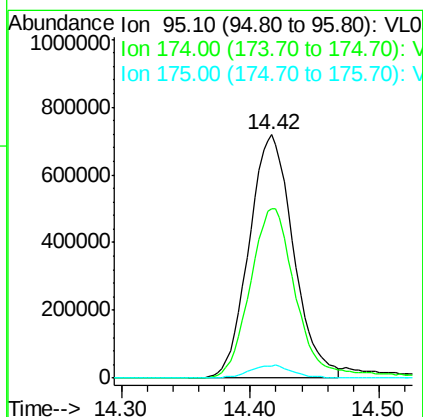
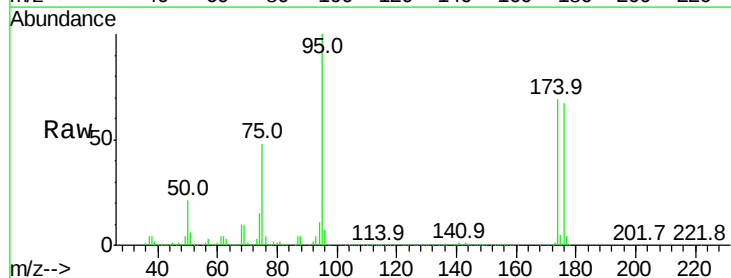
#67
 sec-Butylbenzene
 Concen: 8.12 ppbv
 RT: 17.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

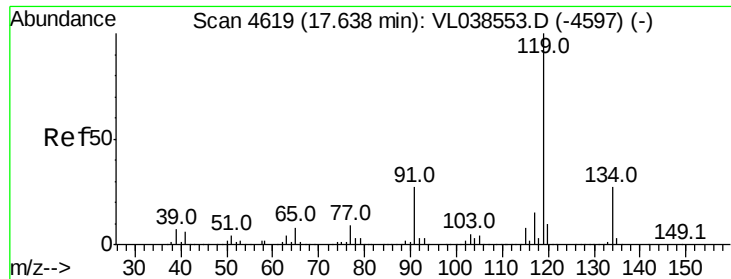
Tgt Ion: 105 Resp: 4135445
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.15 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

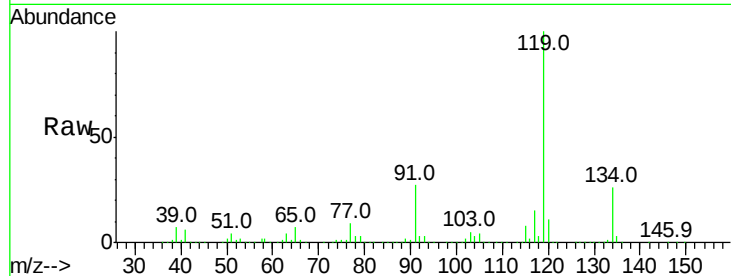
Tgt Ion: 95 Resp: 1720959
 Ion Ratio Lower Upper
 95 100
 174 73.7 56.2 84.4
 175 5.4 4.2 6.2



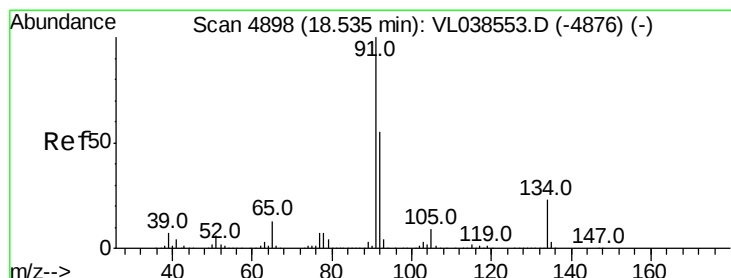
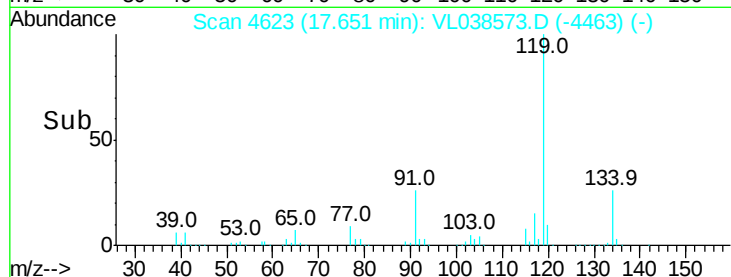
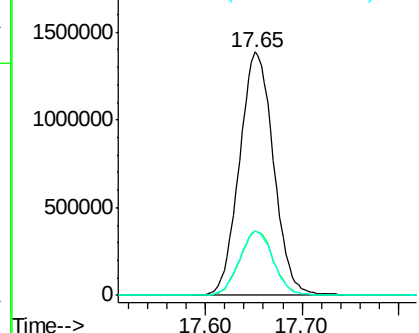


#69
 p-Isopropyltoluene
 Concen: 8.05 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

Tgt Ion: 119 Resp: 3399385
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.9 31.3
 91 26.2 21.1 31.7

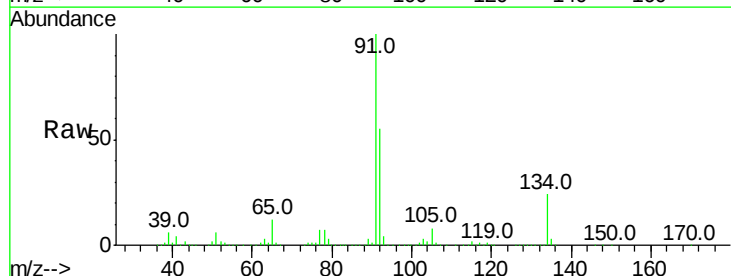


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

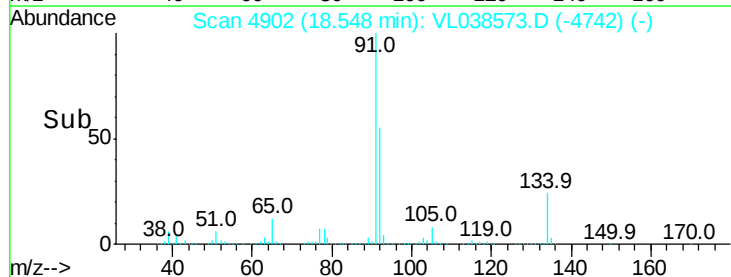
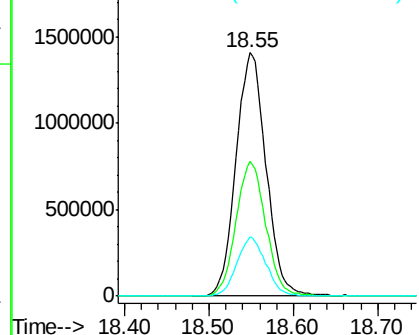


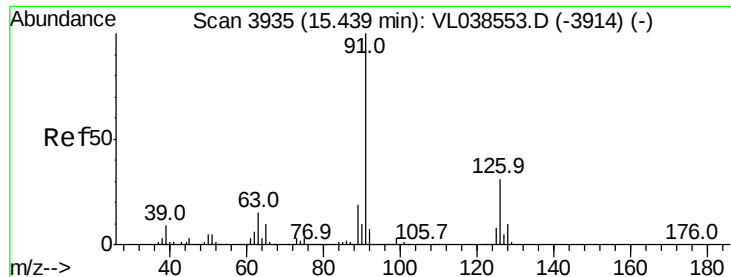
#70
 n-Butylbenzene
 Concen: 7.77 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion: 91 Resp: 3492931
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.8 65.8
 134 23.6 18.7 28.1



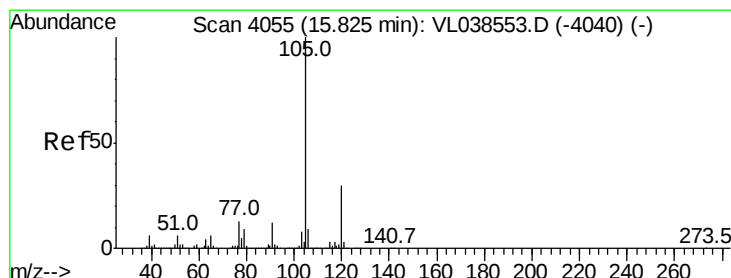
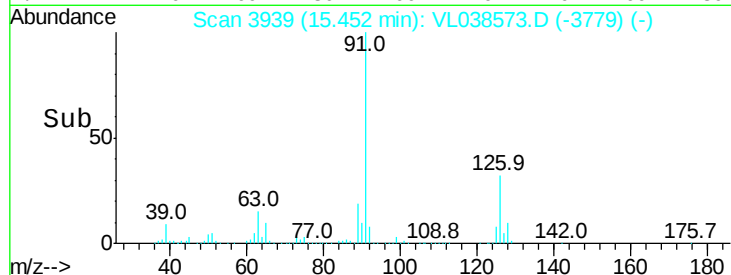
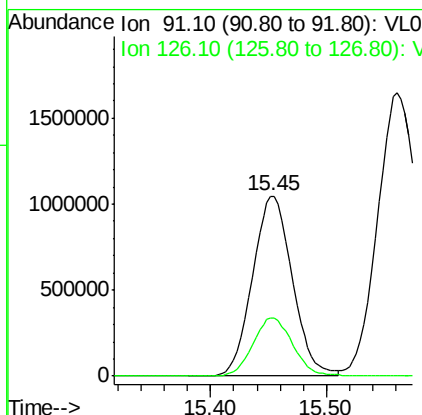
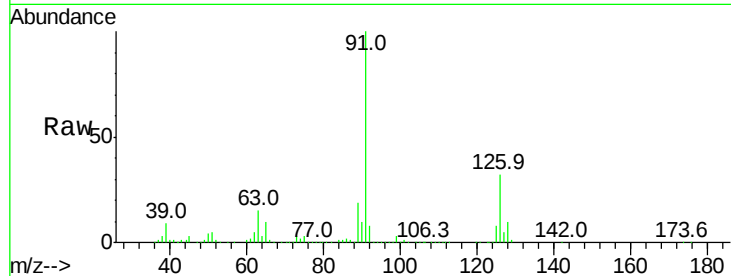
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





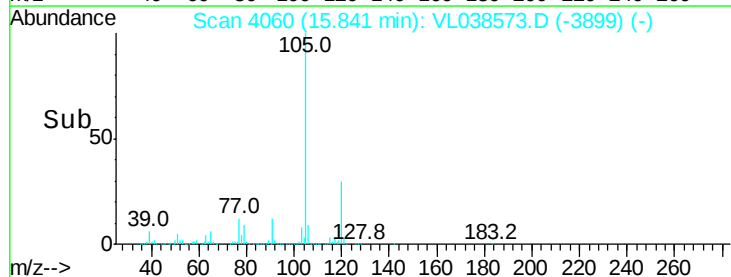
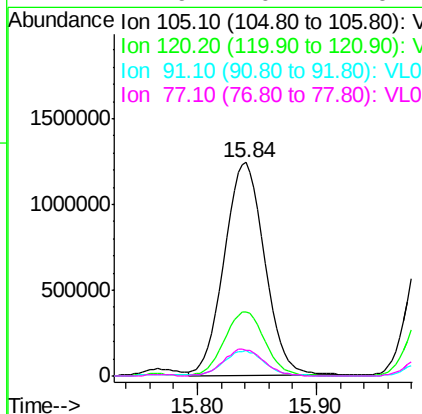
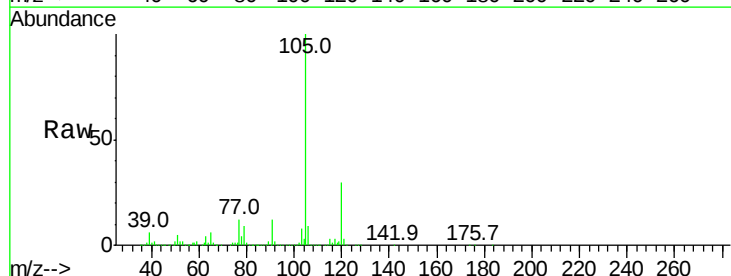
#71
 2-Chlorotoluene
 Concen: 8.40 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

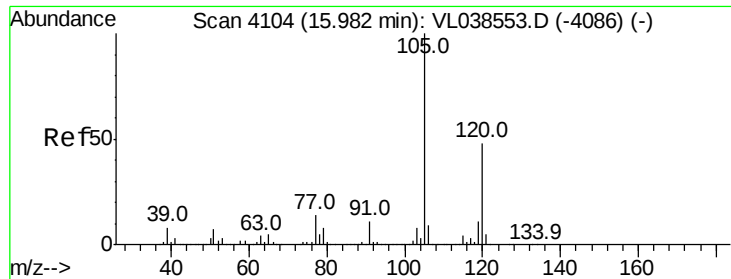
Tgt Ion: 91 Resp: 2499672
 Ion Ratio Lower Upper
 91 100
 126 33.0 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 8.69 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.02 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

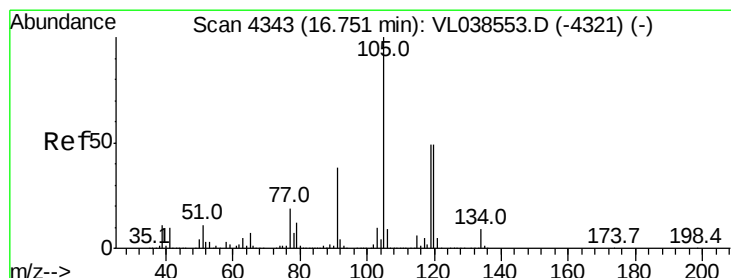
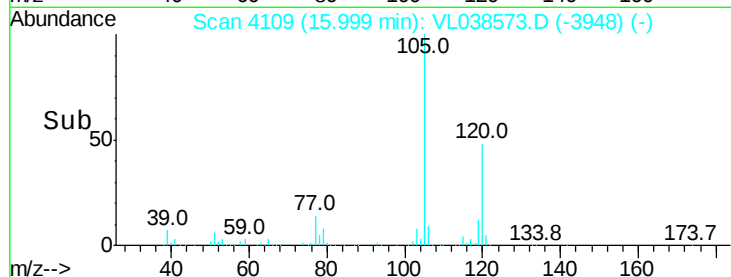
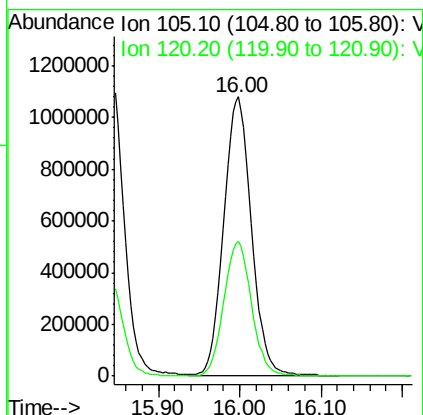
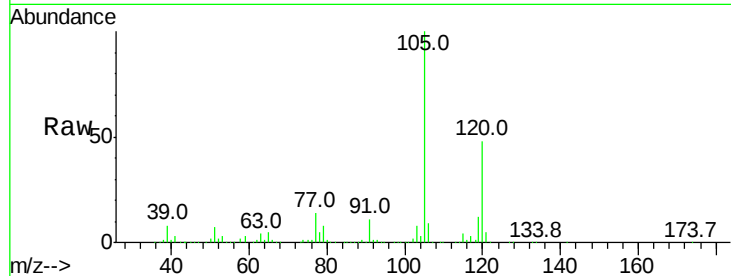
Tgt Ion: 105 Resp: 2899175
 Ion Ratio Lower Upper
 105 100
 120 30.7 25.0 37.4
 91 11.8 9.8 14.6
 77 12.9 10.7 16.1





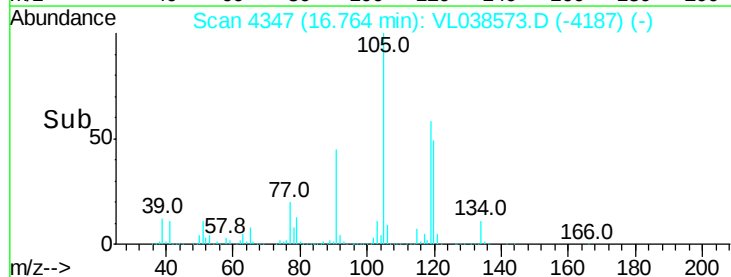
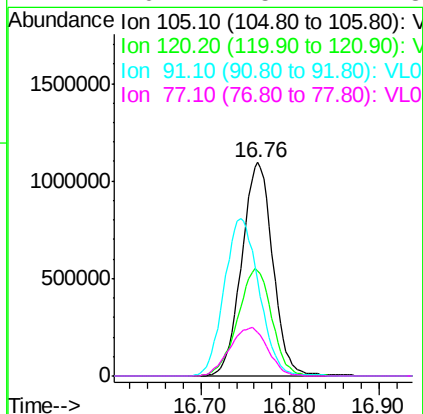
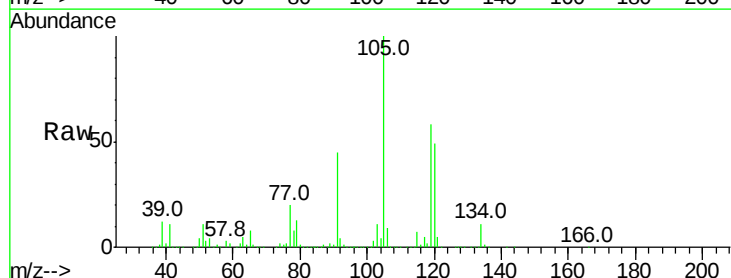
#73
 1,3,5-Trimethylbenzene
 Concen: 8.32 ppbv
 RT: 16.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

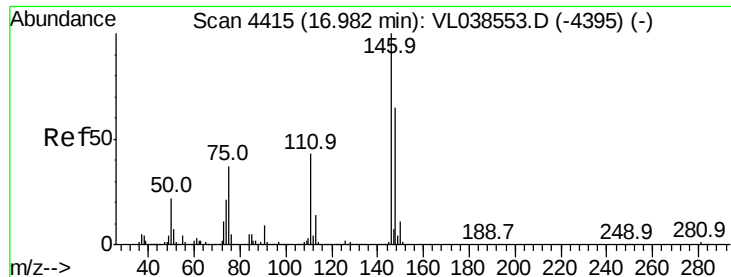
Tgt Ion:105 Resp: 2577737
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 7.99 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.01 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

Tgt Ion:105 Resp: 2643987
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.9 58.3
 91 44.7 30.6 46.0
 77 20.4 15.2 22.8





#75

1,3-Dichlorobenzene

Concen: 8.06 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 12:28

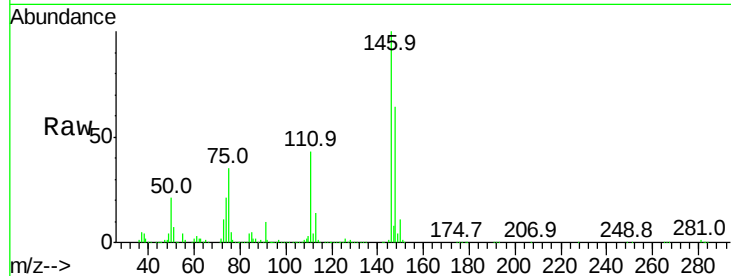
Tgt Ion:146 Resp: 1683208

Ion Ratio Lower Upper

146 100

111 43.3 21.9 65.8

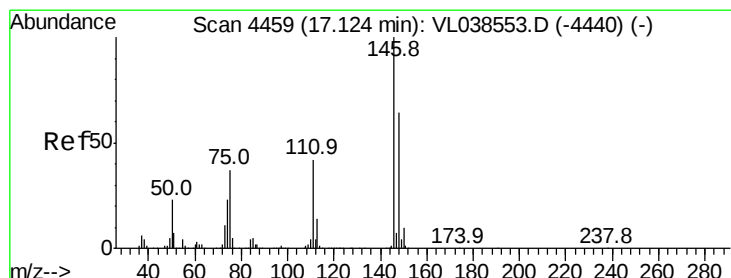
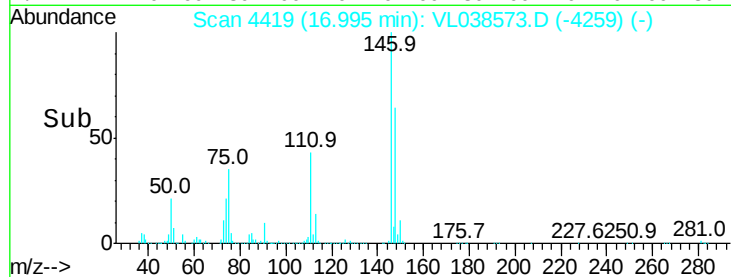
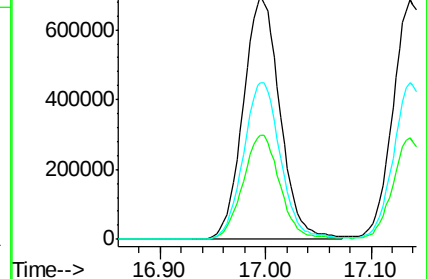
148 65.0 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.94 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.01 min

Lab File: VL038573.D

Acq: 9 Mar 2022 12:28

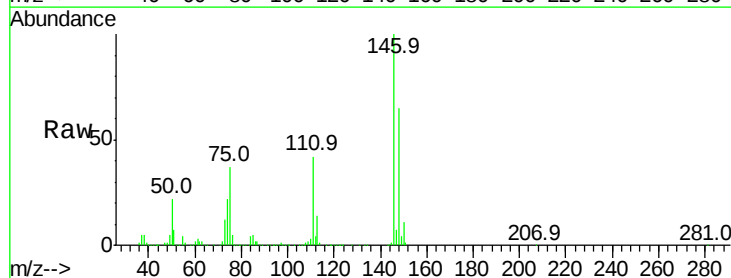
Tgt Ion:146 Resp: 1642578

Ion Ratio Lower Upper

146 100

111 42.9 21.8 65.3

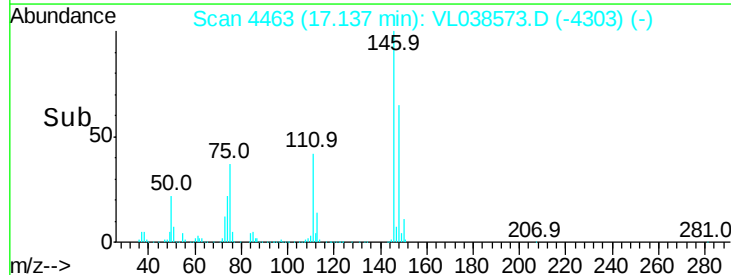
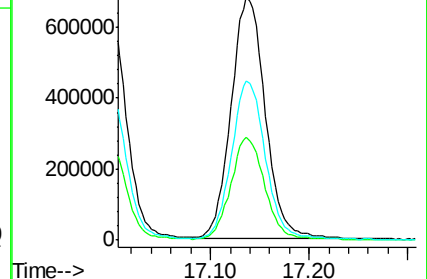
148 66.0 32.8 98.4

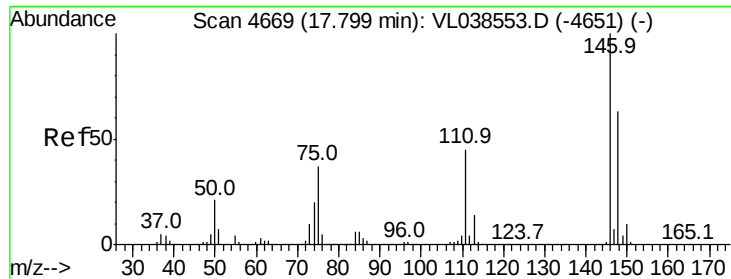


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

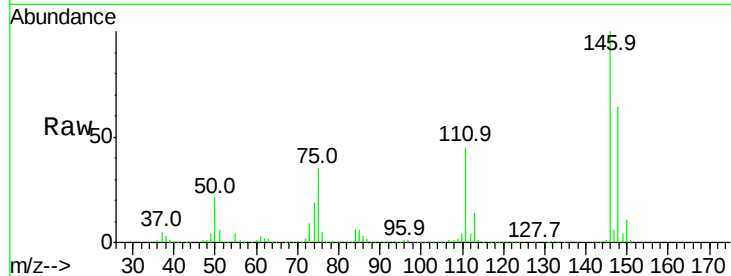




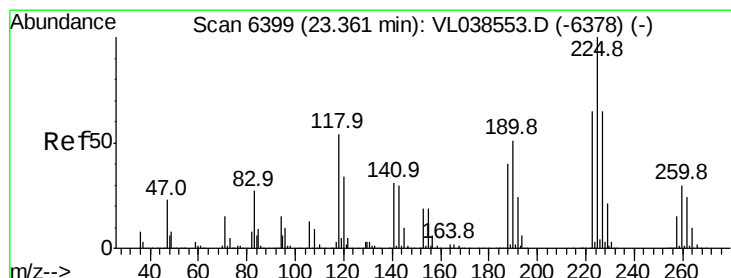
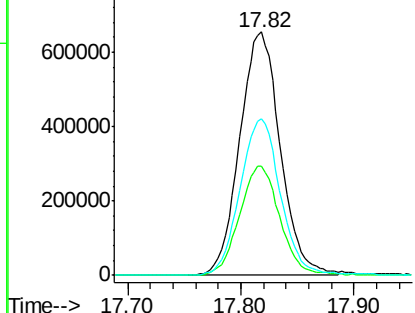
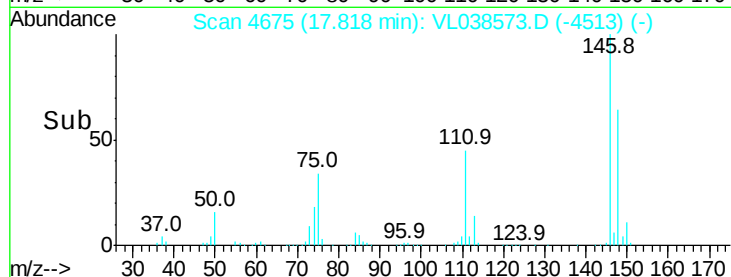
#77
 1,2-Dichlorobenzene
 Concen: 7.68 ppbv
 RT: 17.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0309ABS01
 Acq: 9 Mar 2022 12:28

Tgt Ion:146 Resp: 1621602

Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.2	69.5
148	64.5	32.6	98.0



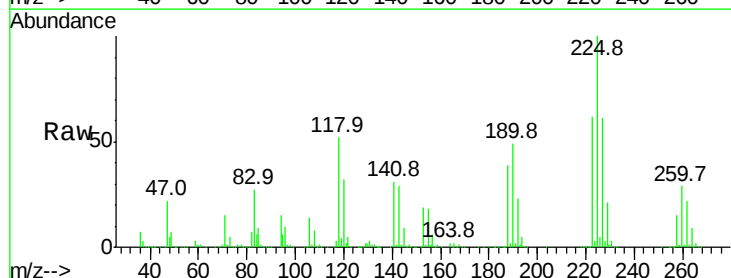
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



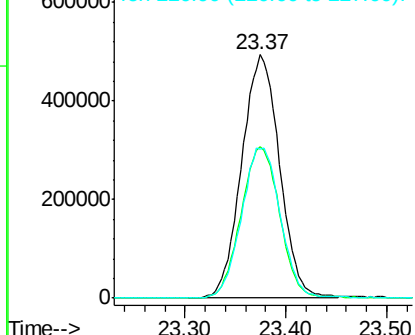
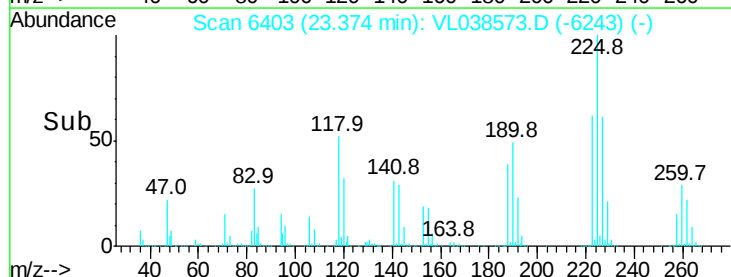
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.24 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.01 min
 Lab File: VL038573.D
 Acq: 9 Mar 2022 12:28

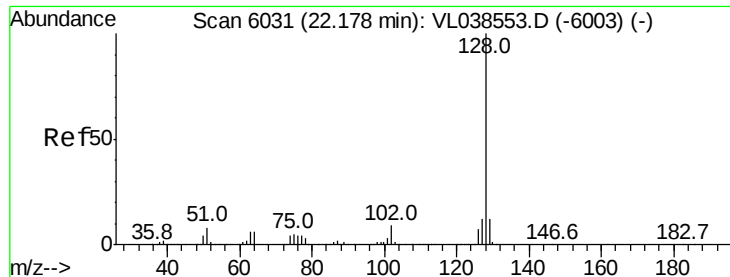
Tgt Ion:225 Resp: 1286617

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.4	77.0
227	63.8	51.9	77.9



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

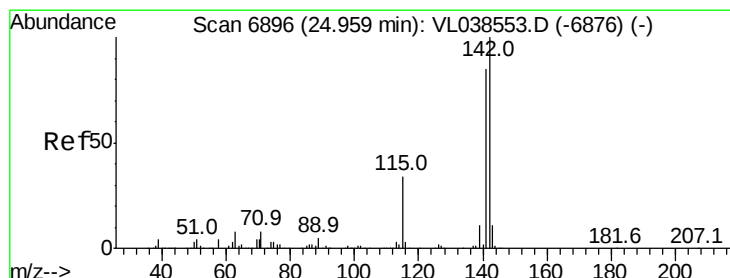
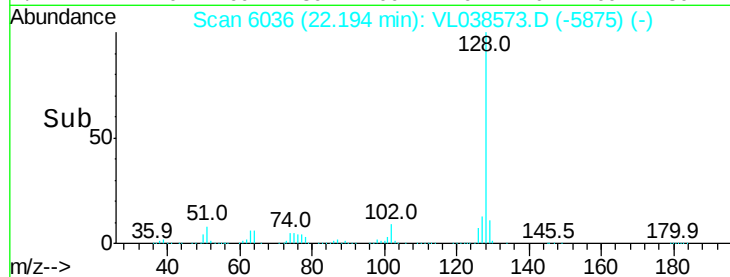
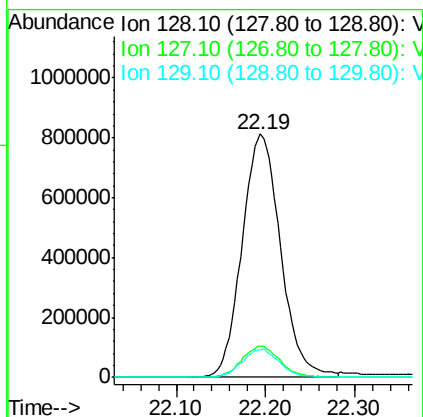
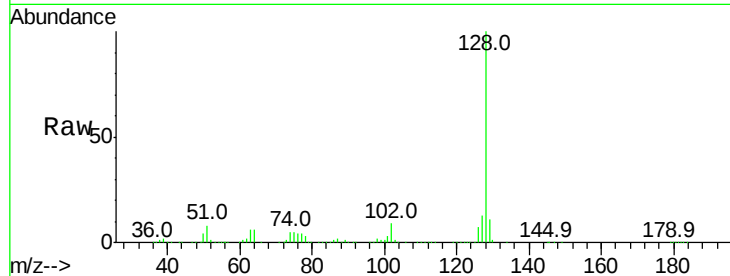




#79
Naphthalene
Concen: 8.21 ppbv
RT: 22.19 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 12:28

Tgt Ion:128 Resp: 2443268

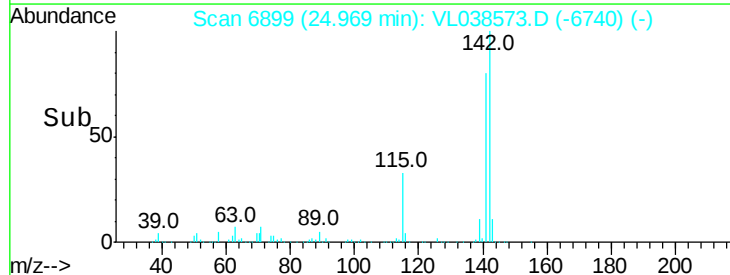
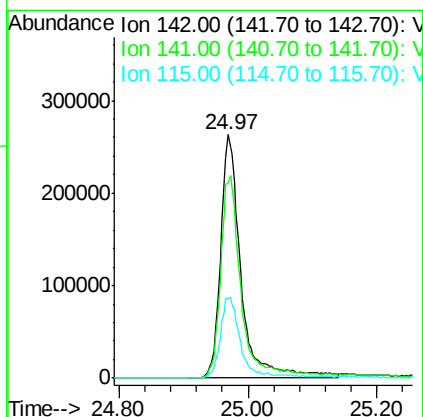
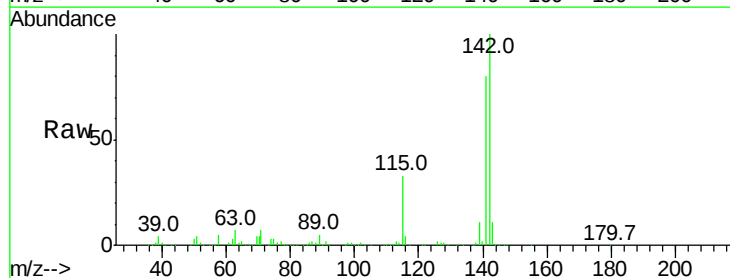
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.0	9.3	13.9

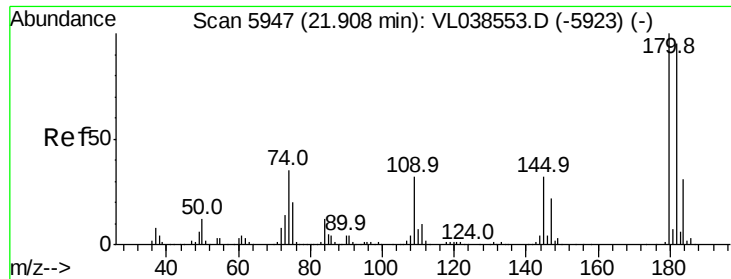


#80
Naphthalene, 2-methyl-
Concen: 11.07 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL038573.D
Acq: 9 Mar 2022 12:28

Tgt Ion:142 Resp: 581681

Ion	Ratio	Lower	Upper
142	100		
141	87.0	68.4	102.6
115	33.8	27.9	41.9





#81

1,2,4-Trichlorobenzene

Concen: 7.16 ppbv

RT: 21.92 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 12:28 VL0309ABS01

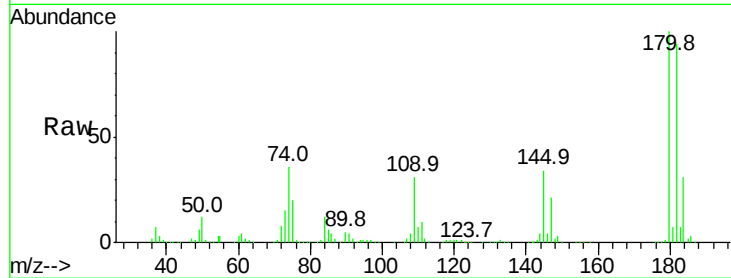
Tgt Ion:180 Resp: 1361385

Ion Ratio Lower Upper

180 100

182 99.1 79.1 118.7

184 31.3 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

