

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038649.D
 Acq On : 21 Mar 2022 13:17
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Mar 21 15:04:22 2022

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

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

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	979742	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2585772	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2424525	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1795760	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	241130	1.63	ppbv	96
3) Chlorodifluoromethane	2.99	51	218287	1.26	ppbv	97
4) Chloromethane	3.14	50	119713	1.87	ppbv	96
5) Vinyl Chloride	3.26	62	112205	1.75	ppbv	99
6) Bromomethane	3.47	94	63424	1.84	ppbv	96
7) Chloroethane	3.56	64	37341	1.79	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	268891	1.87	ppbv	97
9) Propene	3.01	41	102834	1.69	ppbv	96
10) Heptane	8.11	43	254232	1.74	ppbv	100
11) Trichlorofluoromethane	3.95	101	240473	1.85	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	184640	1.83	ppbv	96
13) Ethanol	3.61	45	5788	0.83	ppbv #	7
14) Bromoethene	3.74	108	82456	1.92	ppbv	98
15) Acetone	3.85	43	175948	2.55	ppbv	98
16) 1,3-Butadiene	3.33	39	95741	1.72	ppbv	95
17) tert-Butyl alcohol	4.29	59	146763	1.95	ppbv	97
18) 1,1-Dichloroethene	4.29	96	84845	1.88	ppbv	96
19) Isopropyl Alcohol	3.97	45	85294	1.85	ppbv #	96
20) Methylene Chloride	4.34	84	74000	1.78	ppbv	96
21) Allyl Chloride	4.41	41	120351	1.81	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	82786	1.75	ppbv	97
23) Vinyl Acetate	5.07	43	161385	1.63	ppbv	99
24) 1,1-Dichloroethane	5.01	63	157943	1.75	ppbv	98
25) Ethyl Acetate	5.67	43	446908	1.92	ppbv	99
26) Hexane	5.68	57	200468	1.83	ppbv	99
27) Carbon Disulfide	4.55	76	190260	1.75	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	145022	1.63	ppbv	98
29) Chloroform	5.74	83	313054	1.84	ppbv	98
30) Cyclohexane	7.13	84	172308	1.82	ppbv	90
31) cis-1,2-Dichloroethene	5.55	61	182754	1.75	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	301712	1.83	ppbv	99
34) 2-Butanone	5.24	43	174697	2.61	ppbv	93
35) Carbon Tetrachloride	7.01	117	301824	1.71	ppbv	94
36) Benzene	6.88	78	421125	1.80	ppbv	98
37) 1,2-Dichloroethane	6.30	62	208775	1.87	ppbv	100
38) Trichloroethene	7.83	130	180771	1.94	ppbv	93
39) 1,2-Dichloropropane	7.60	63	159810	1.78	ppbv	94
40) 1,4-Dioxane	7.83	88	36084	1.61	ppbv #	1
41) Tetrahydrofuran	6.05	42	156218	2.85	ppbv	98
42) Bromodichloromethane	7.78	83	313663	1.77	ppbv	98
43) Methyl Methacrylate	8.01	69	154232	1.93	ppbv	100

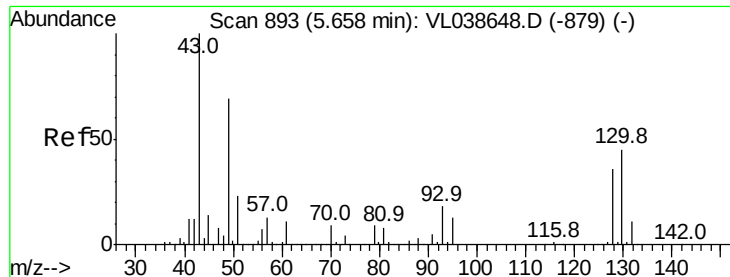
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
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Quant Time: Mar 21 15:04:22 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 15:04:50 2022
 QLast Update : Mon Mar 21 15:04:50 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	713550	1.81	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	137161	2.38	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	202712	2.57	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	167759	1.83	ppbv	98
48) Dibromochloromethane	10.29	129	271440	1.87	ppbv	99
49) Bromoform	13.03	173	217768	1.96	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	384481	2.80	ppbv	98
51) 2-Hexanone	10.13	43	274449	4.73	ppbv #	99
52) Tetrachloroethene	11.21	164	147826	1.73	ppbv	97
53) Toluene	9.80	91	456955	1.83	ppbv	98
54) 1,2-Dibromoethane	10.60	107	230526	1.76	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	202527	2.05	ppbv #	1
57) Chlorobenzene	12.13	112	351327	1.90	ppbv	98
58) Ethyl Benzene	12.70	91	595729	1.90	ppbv	97
59) m/p-Xylene	12.98	91	502731	1.87	ppbv #	29
60) o-Xylene	13.68	91	491537	1.94	ppbv	99
61) Styrene	13.52	104	262359	2.10	ppbv	98
62) Isopropylbenzene	14.65	105	733022	2.09	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	347331	1.62	ppbv	98
64) n-propylbenzene	15.55	120	193839	2.17	ppbv	92
65) tert-Butylbenzene	16.73	119	679291	2.17	ppbv	97
66) Benzyl Chloride	16.98	91	101278	5.46	ppbv	99
67) sec-Butylbenzene	17.28	105	970940	2.18	ppbv	99
69) p-Isopropyltoluene	17.64	119	801379	2.17	ppbv	100
70) n-Butylbenzene	18.54	91	833584	2.12	ppbv	99
71) 2-Chlorotoluene	15.44	91	552666	2.13	ppbv	99
72) 4-Ethyltoluene	15.83	105	572519	1.96	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	525141	1.94	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	586518	2.03	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	362009	1.98	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	332541	1.84	ppbv	94
77) 1,2-Dichlorobenzene	17.81	146	352842	1.91	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	189640	1.05	ppbv #	22
79) Naphthalene	22.18	128	505964	1.95	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	135674	2.96	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	313056	1.88	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:17

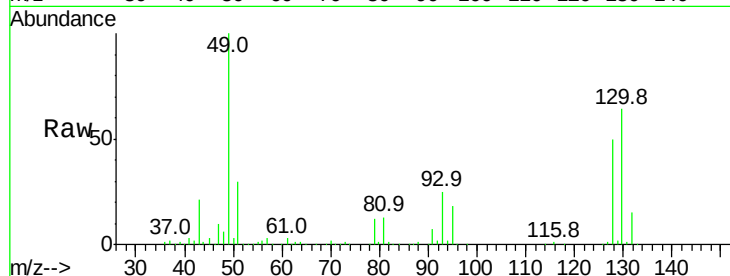
Tgt Ion: 49 Resp: 979742

Ion Ratio Lower Upper

49 100

128 53.1 26.2 78.6

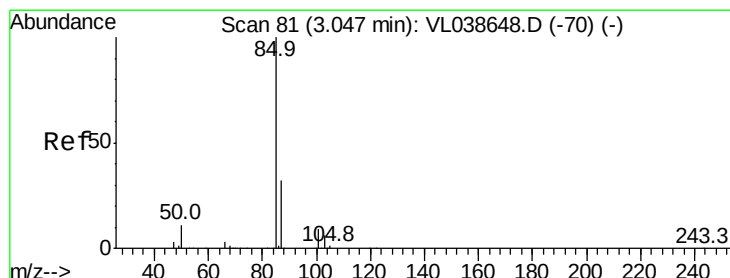
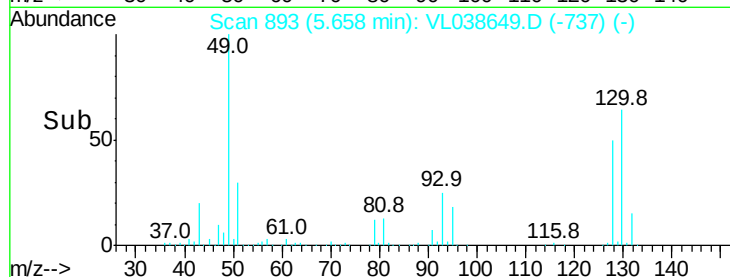
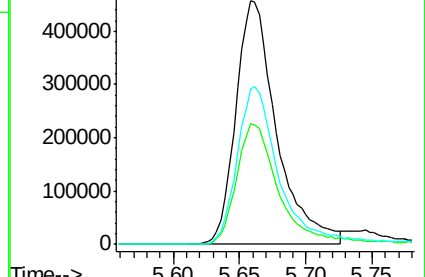
130 68.6 33.7 101.1



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: 1.63 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038649.D

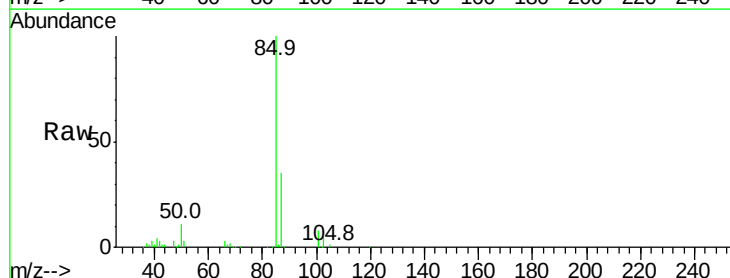
Acq: 21 Mar 2022 13:17

Tgt Ion: 85 Resp: 241130

Ion Ratio Lower Upper

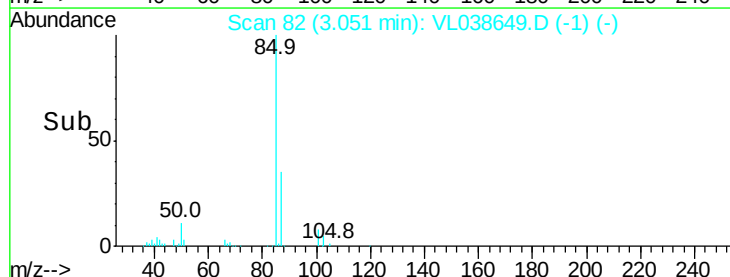
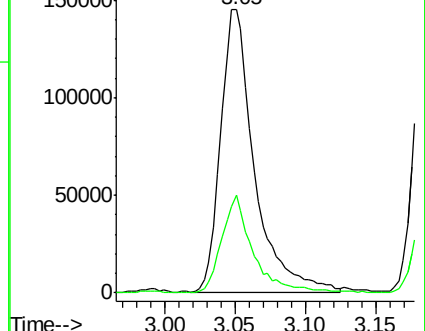
85 100

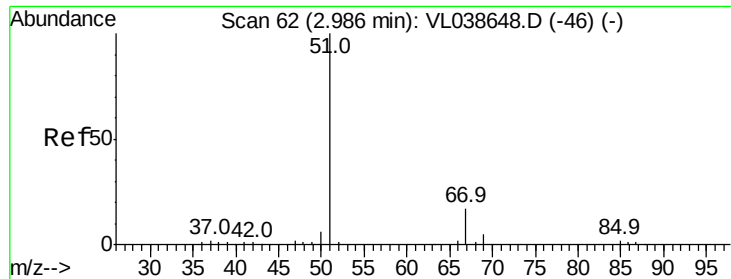
87 34.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.26 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

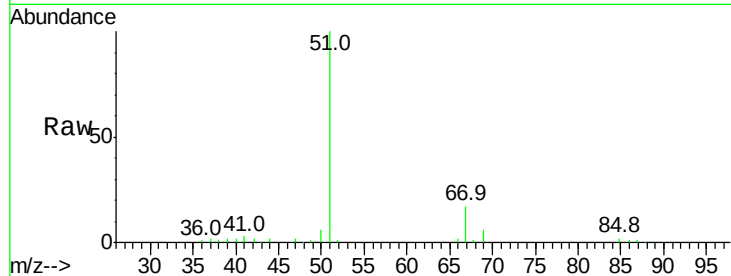
Acq: 21 Mar 2022 13:17

Tgt Ion: 51 Resp: 218287

Ion Ratio Lower Upper

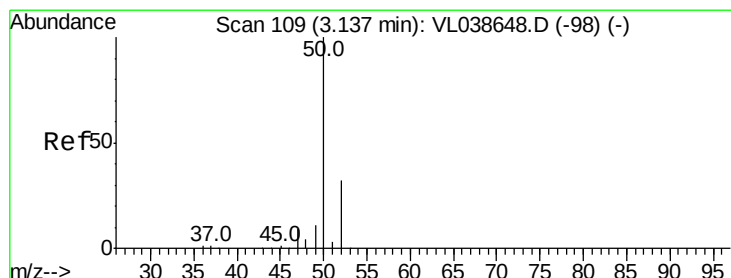
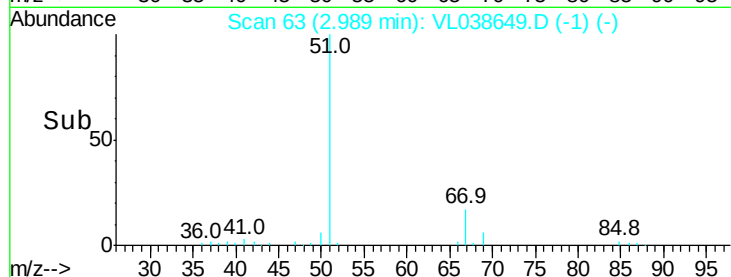
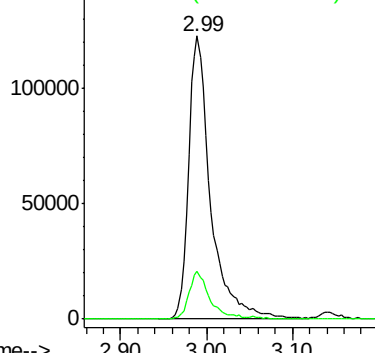
51 100

67 16.4 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.87 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038649.D

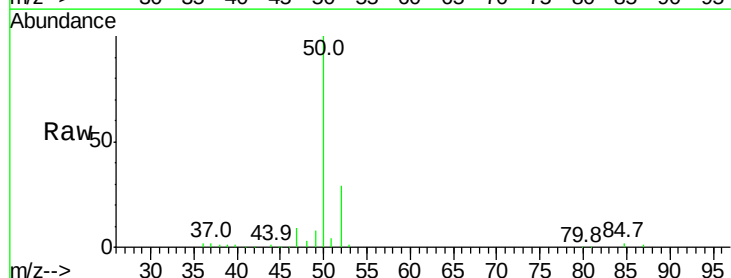
Acq: 21 Mar 2022 13:17

Tgt Ion: 50 Resp: 119713

Ion Ratio Lower Upper

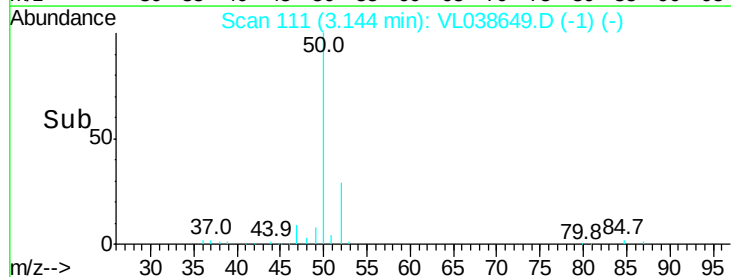
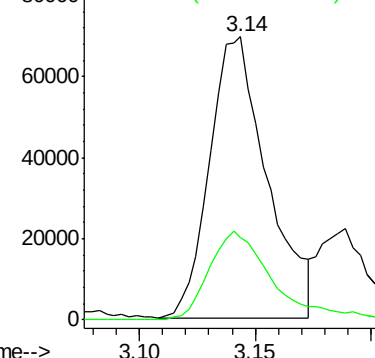
50 100

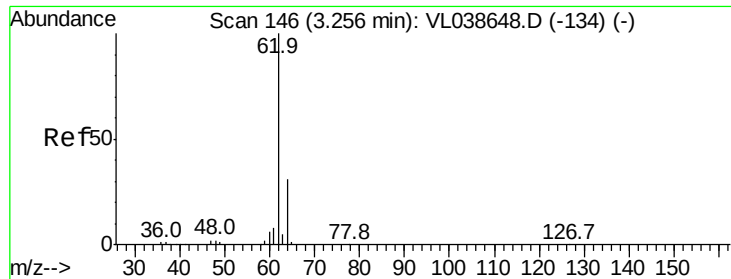
52 29.6 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.75 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

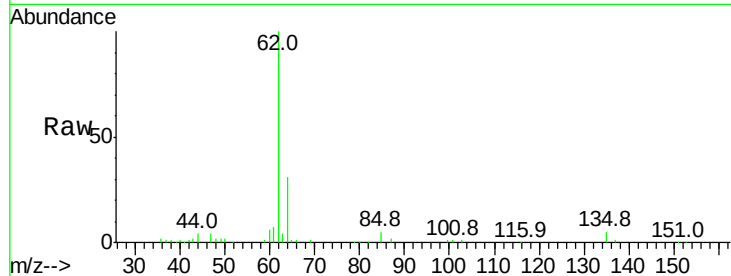
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 62 Resp: 112205

Ion Ratio Lower Upper

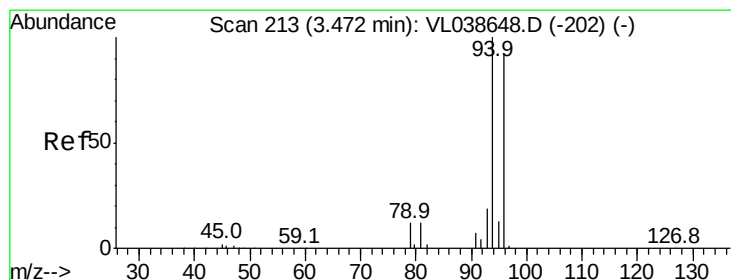
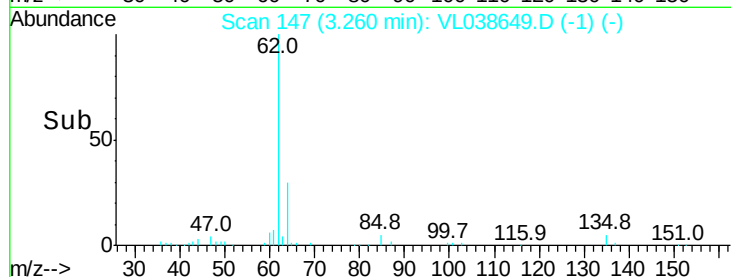
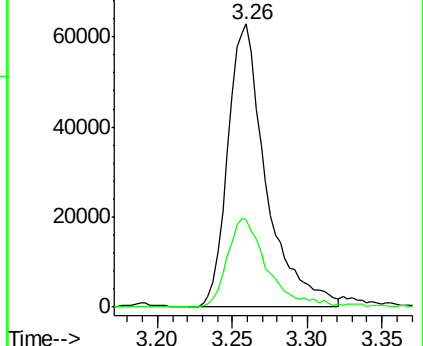
62 100

64 30.7 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.84 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL038649.D

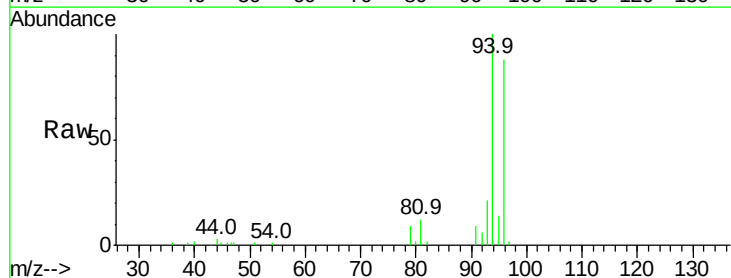
Acq: 21 Mar 2022 13:17

Tgt Ion: 94 Resp: 63424

Ion Ratio Lower Upper

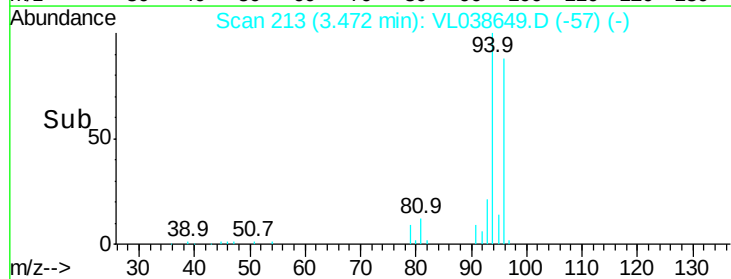
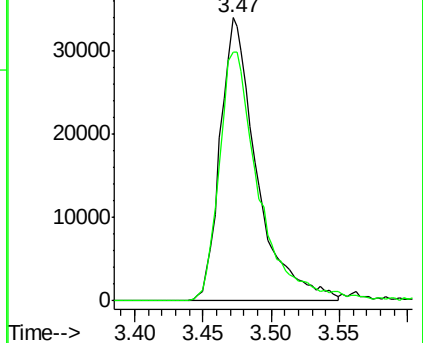
94 100

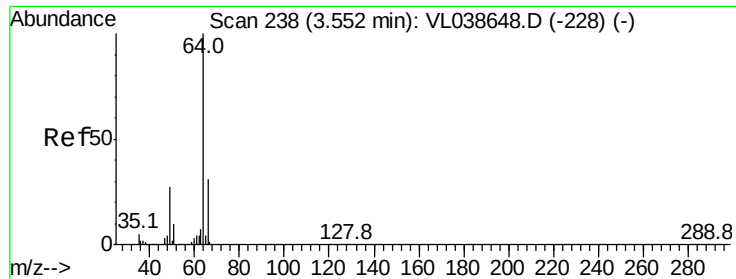
96 87.9 73.3 109.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.79 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

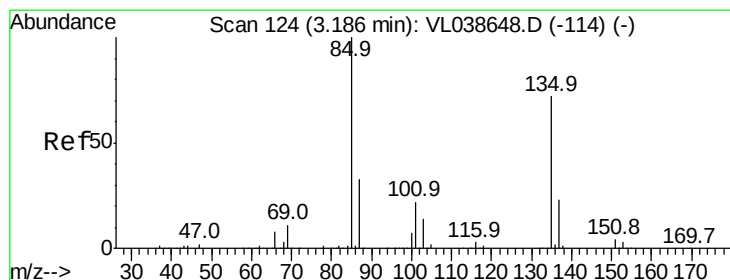
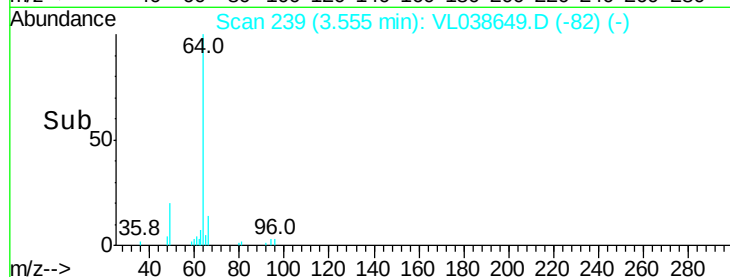
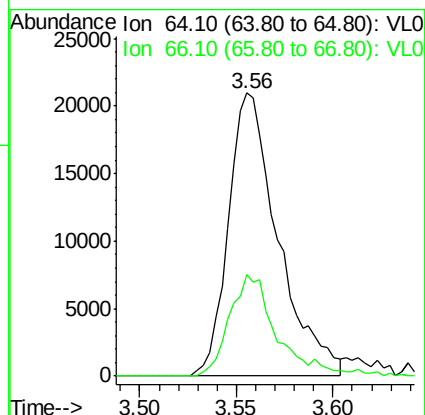
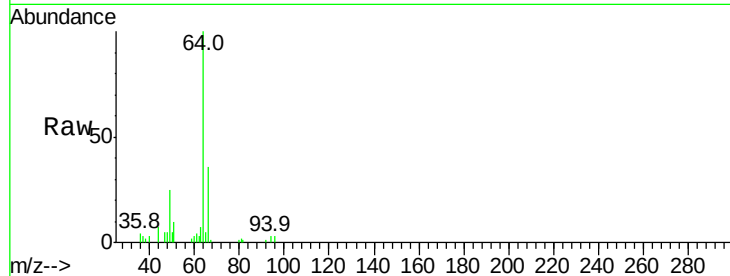
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 64 Resp: 37341

Ion Ratio Lower Upper

64 100

66 35.8 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 1.87 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL038649.D

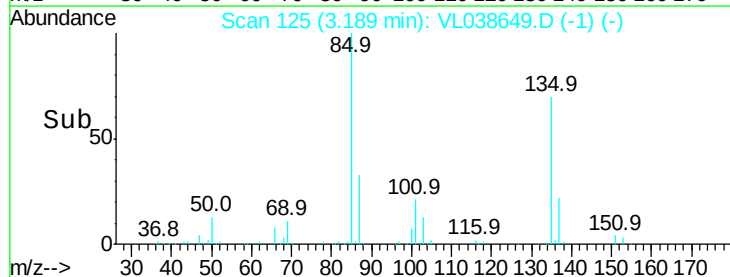
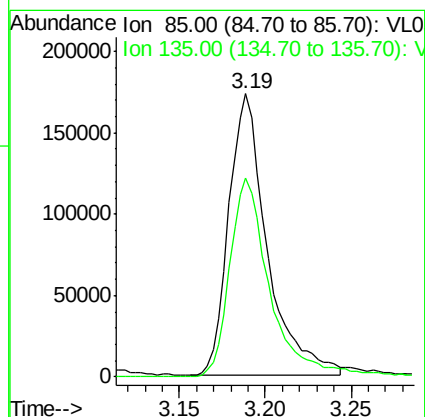
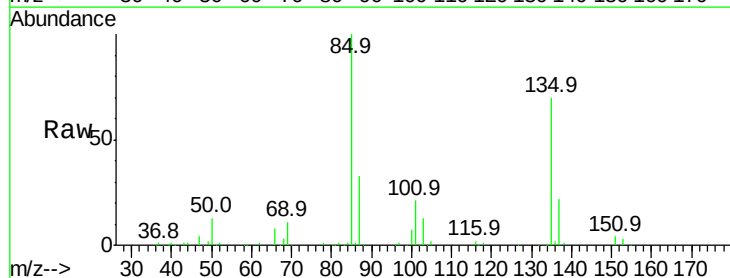
Acq: 21 Mar 2022 13:17

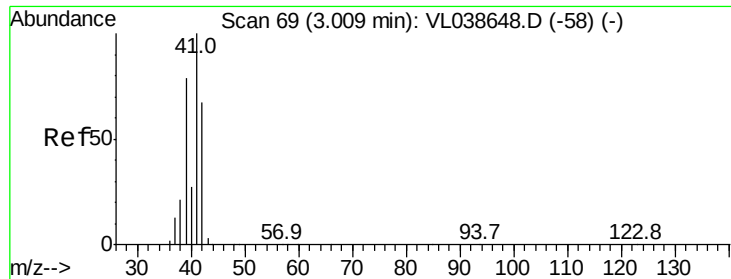
Tgt Ion: 85 Resp: 268891

Ion Ratio Lower Upper

85 100

135 75.0 57.8 86.6





#9

Propene

Concen: 1.69 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

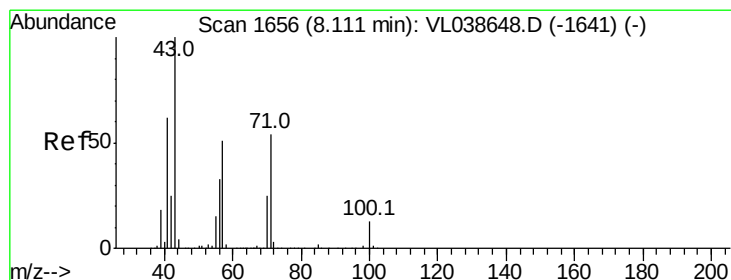
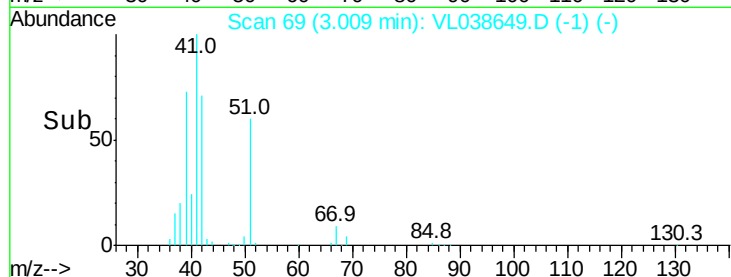
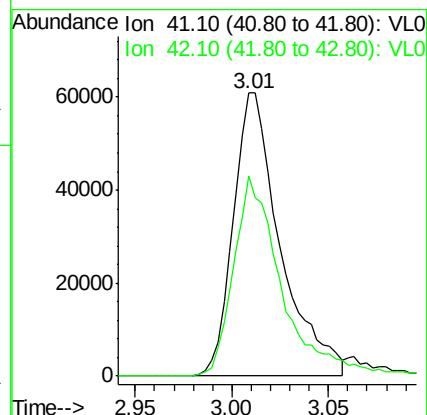
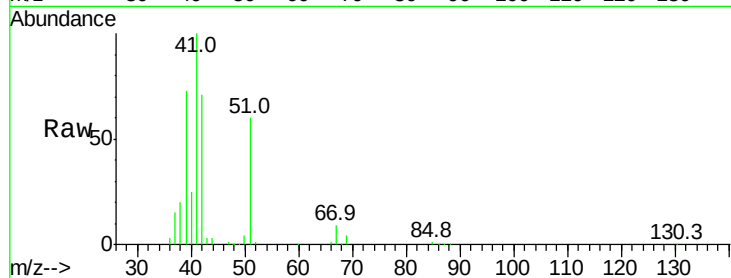
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 41 Resp: 102834

Ion Ratio Lower Upper

41 100

42 73.5 56.2 84.4



#10

Heptane

Concen: 1.74 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL038649.D

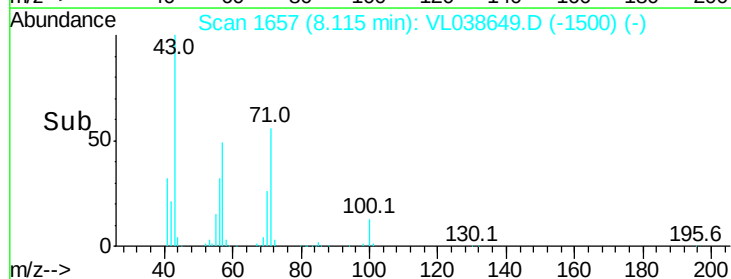
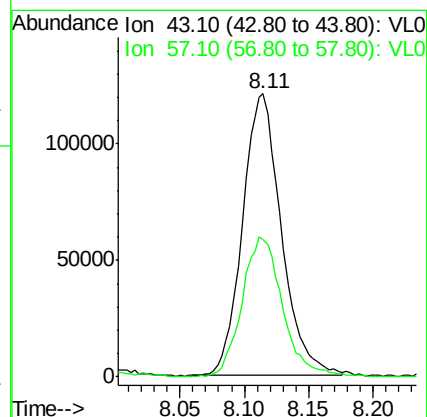
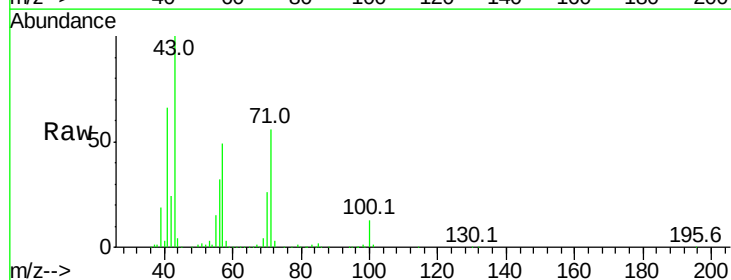
Acq: 21 Mar 2022 13:17

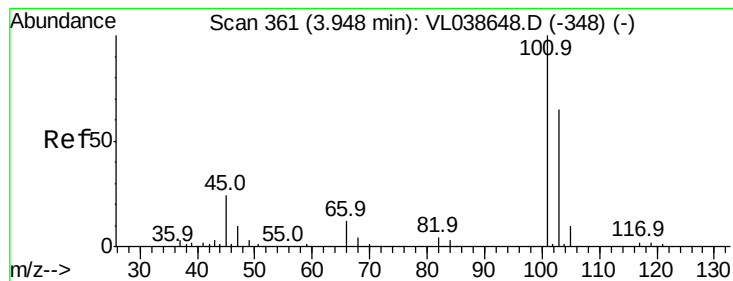
Tgt Ion: 43 Resp: 254232

Ion Ratio Lower Upper

43 100

57 51.5 41.4 62.2





#11

Trichlorofluoromethane

Concen: 1.85 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

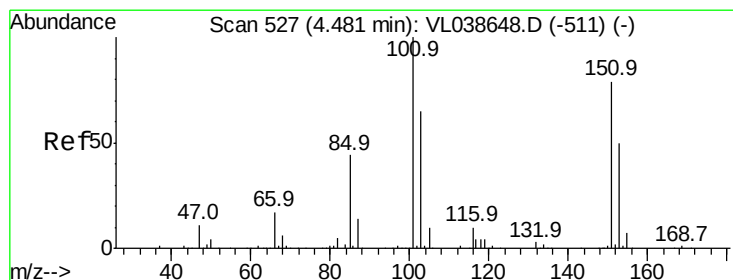
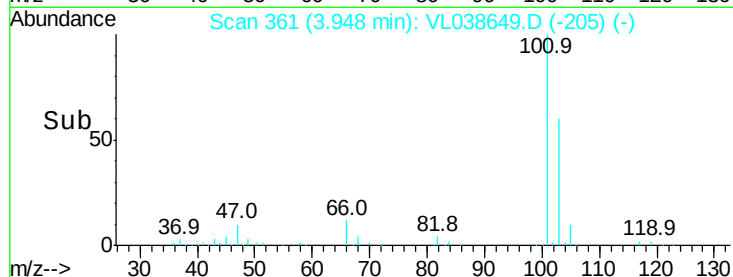
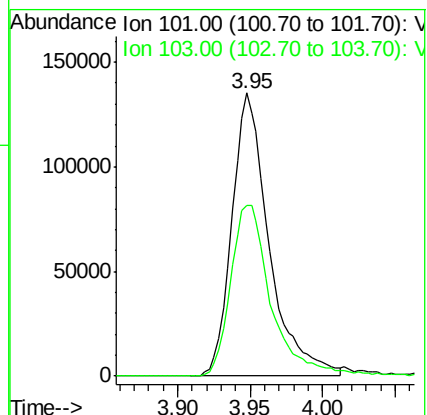
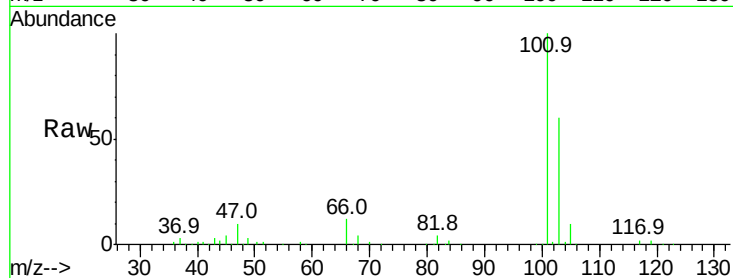
Acq: 21 Mar 2022 13:17

Tgt Ion:101 Resp: 240473

Ion Ratio Lower Upper

101 100

103 60.4 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.83 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL038649.D

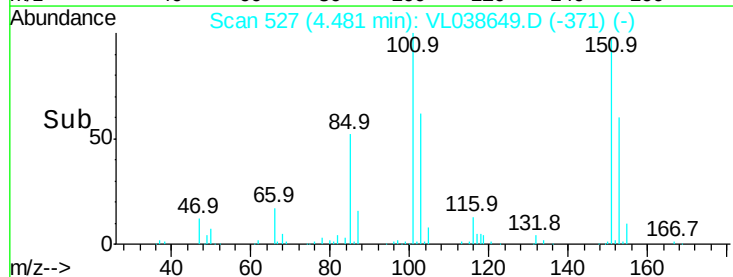
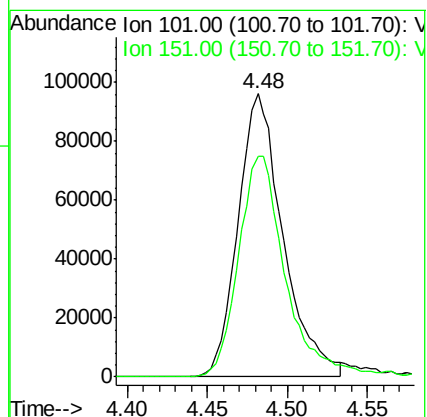
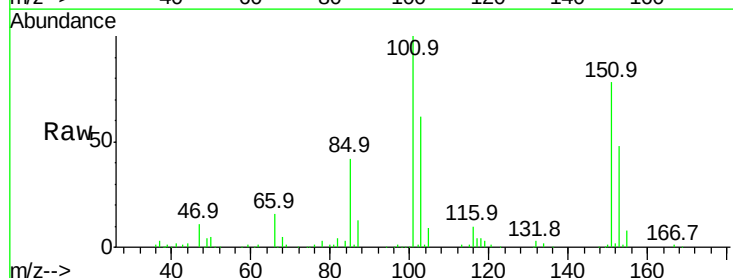
Acq: 21 Mar 2022 13:17

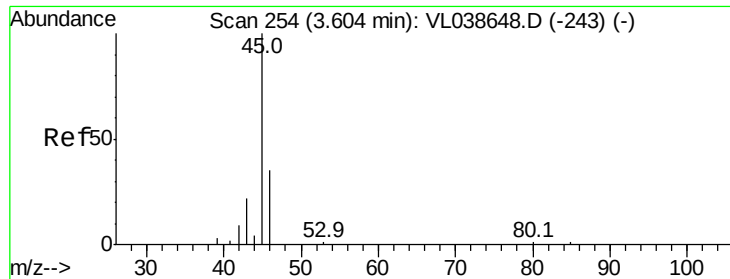
Tgt Ion:101 Resp: 184640

Ion Ratio Lower Upper

101 100

151 82.5 62.9 94.3





#13

Ethanol

Concen: 0.83 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

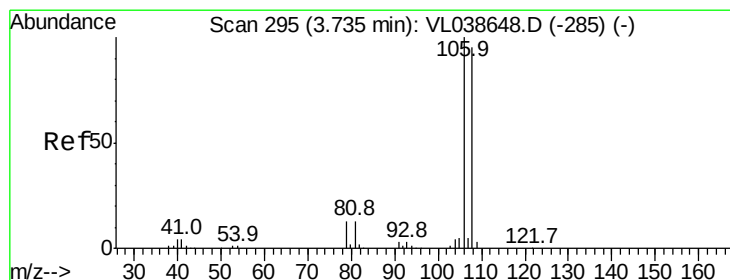
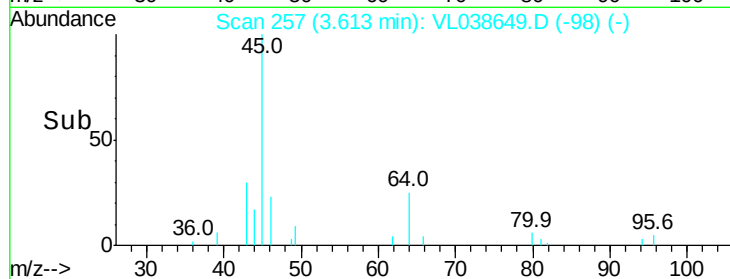
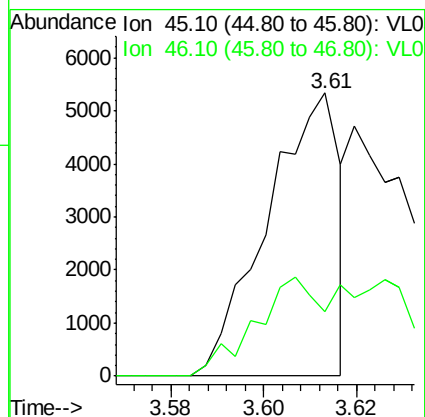
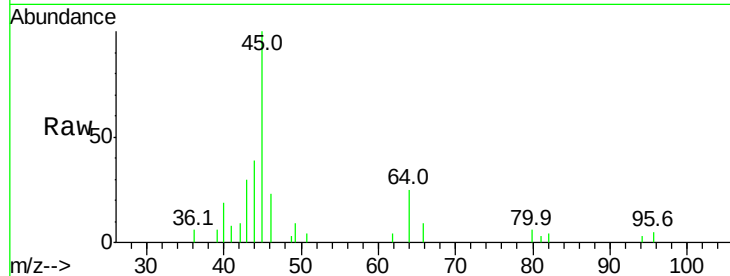
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 45 Resp: 5788

Ion Ratio Lower Upper

45 100

46 93.6 15.1 60.5#



#14

Bromoethene

Concen: 1.92 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

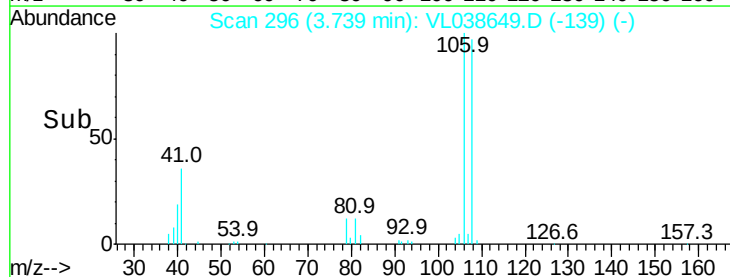
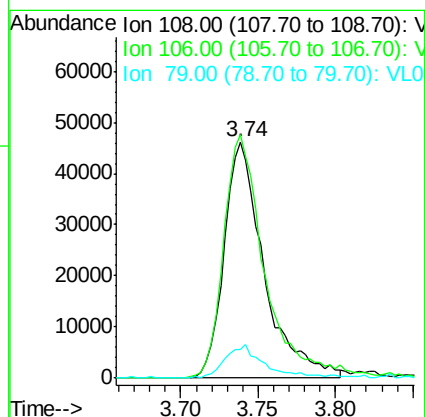
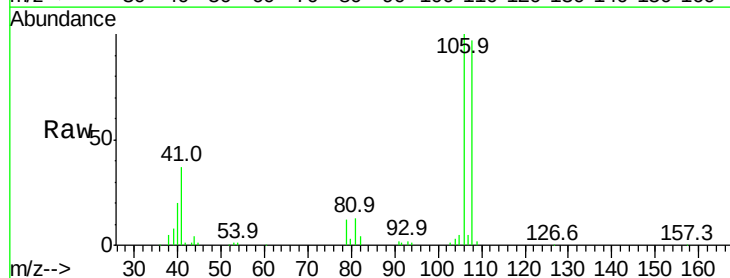
Tgt Ion: 108 Resp: 82456

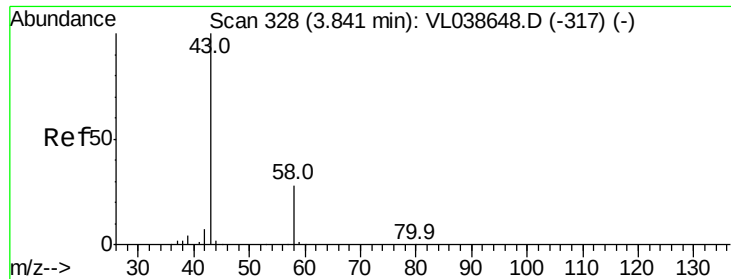
Ion Ratio Lower Upper

108 100

106 108.7 88.3 132.5

79 14.8 11.2 16.8





#15

Acetone

Concen: 2.55 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

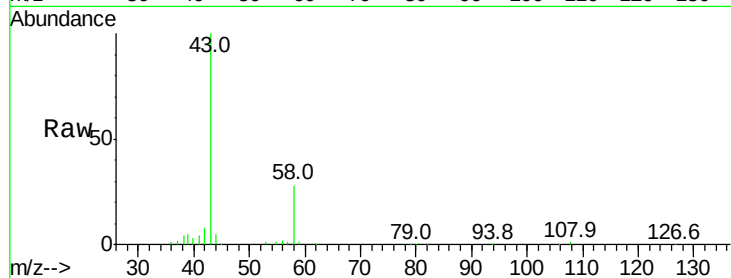
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 43 Resp: 175948

Ion Ratio Lower Upper

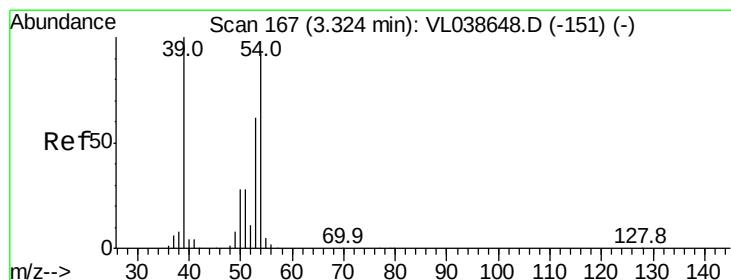
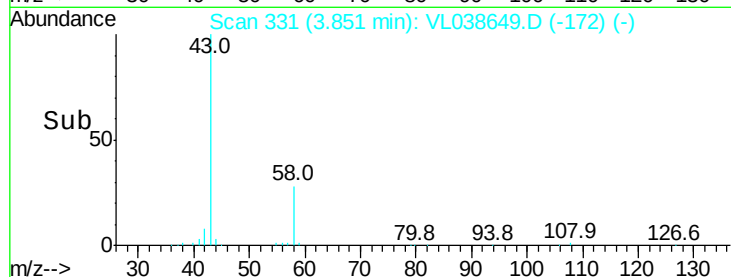
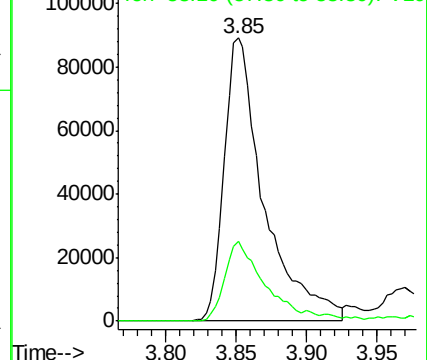
43 100

58 30.0 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.72 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038649.D

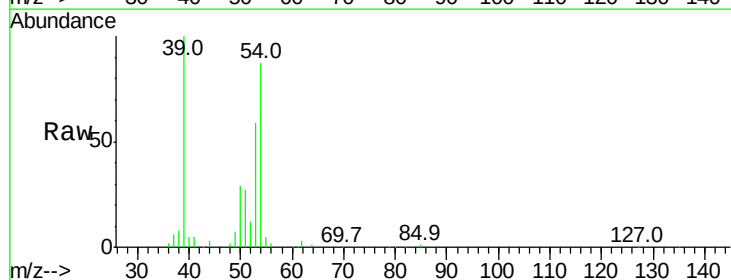
Acq: 21 Mar 2022 13:17

Tgt Ion: 39 Resp: 95741

Ion Ratio Lower Upper

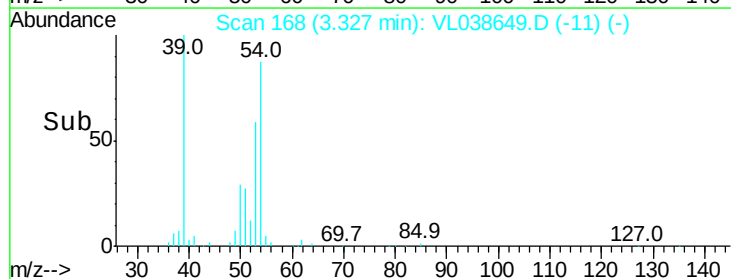
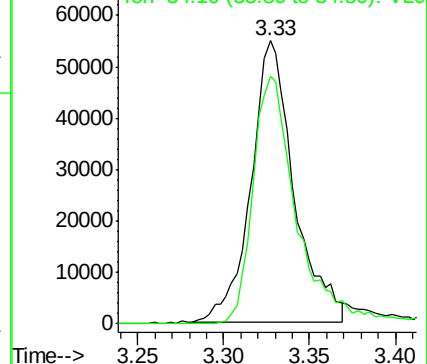
39 100

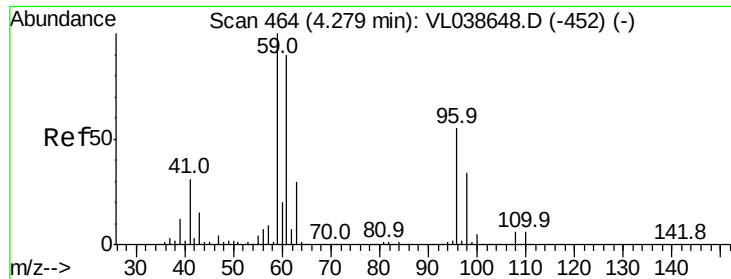
54 91.2 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 1.95 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

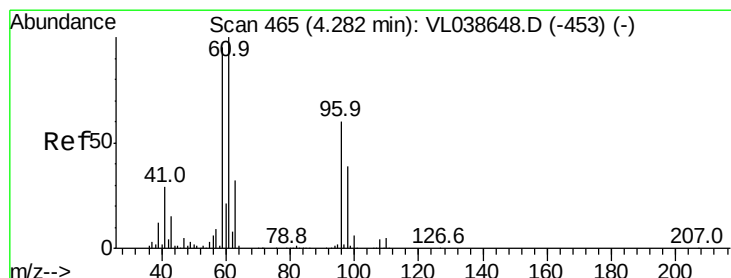
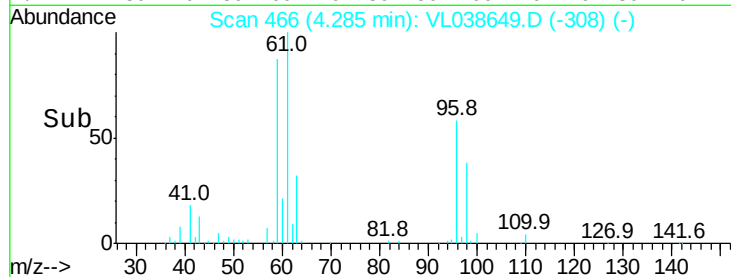
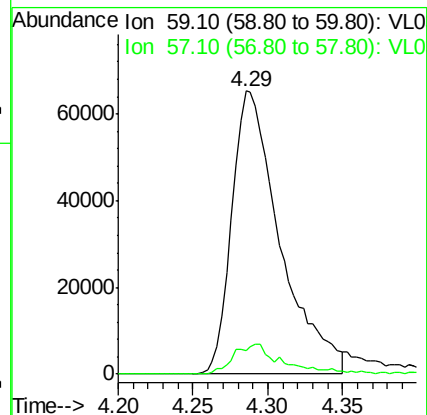
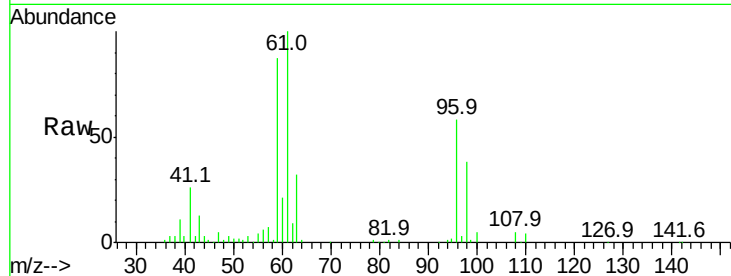
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 59 Resp: 146763

Ion Ratio Lower Upper

59 100

57 11.4 8.2 12.2



#18

1,1-Dichloroethene

Concen: 1.88 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

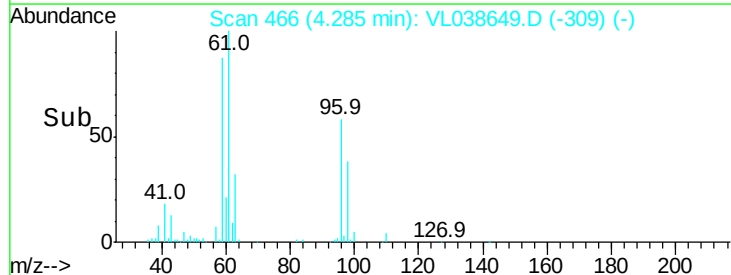
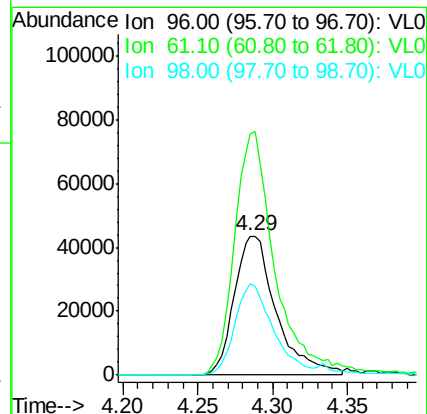
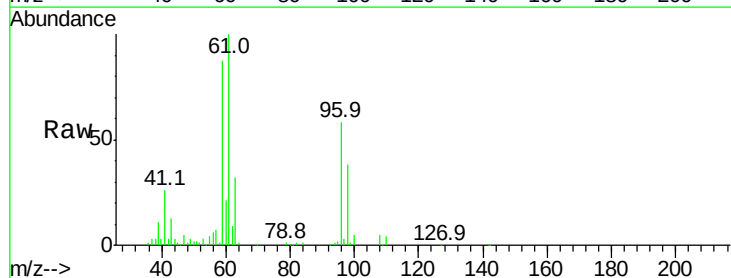
Tgt Ion: 96 Resp: 84845

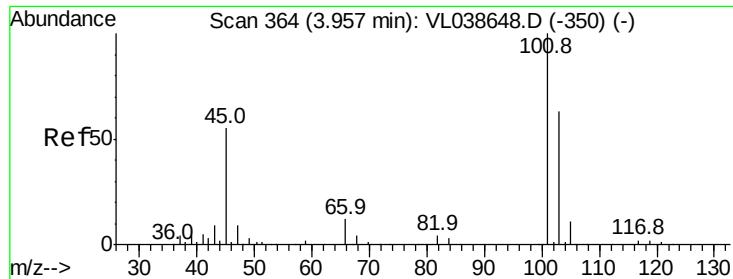
Ion Ratio Lower Upper

96 100

61 172.9 132.4 198.6

98 65.9 51.6 77.4





#19

Isopropyl Alcohol

Concen: 1.85 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

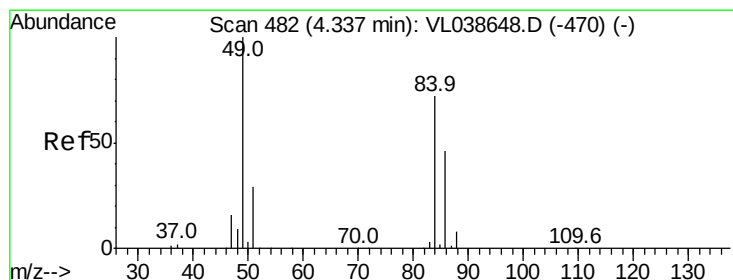
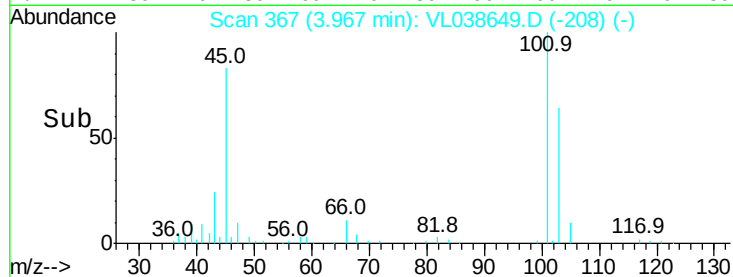
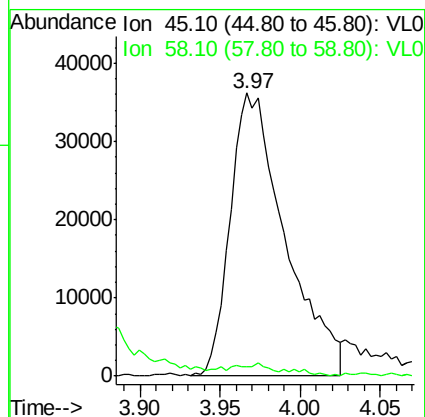
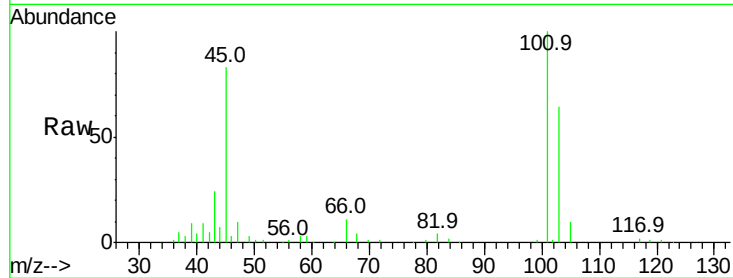
Acq: 21 Mar 2022 13:17 VSTDIC002

Tgt Ion: 45 Resp: 85294

Ion Ratio Lower Upper

45 100

58 4.2 2.3 3.5#



#20

Methylene Chloride

Concen: 1.78 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

Tgt Ion: 84 Resp: 74000

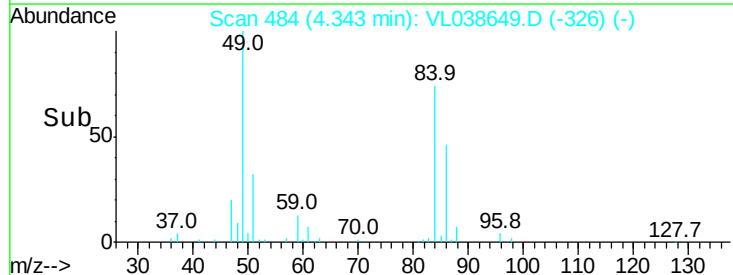
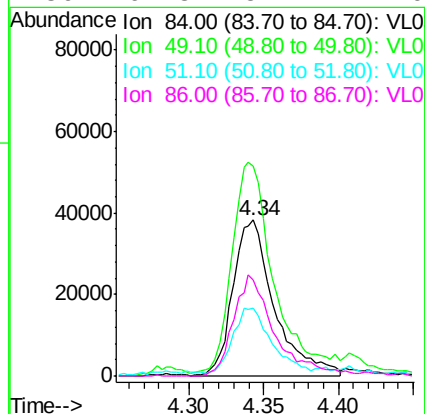
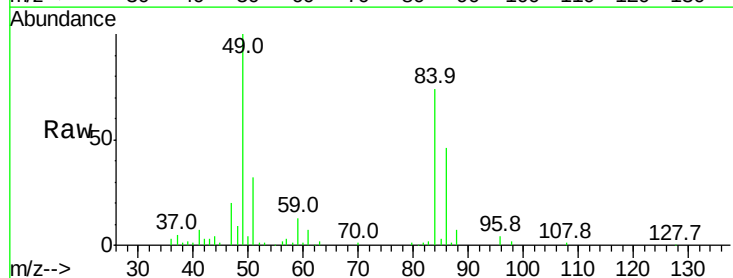
Ion Ratio Lower Upper

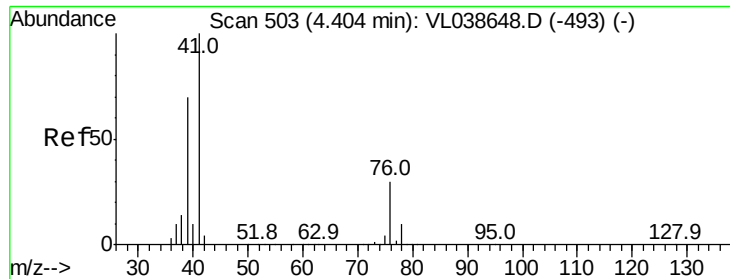
84 100

49 132.5 111.2 166.8

51 40.4 32.8 49.2

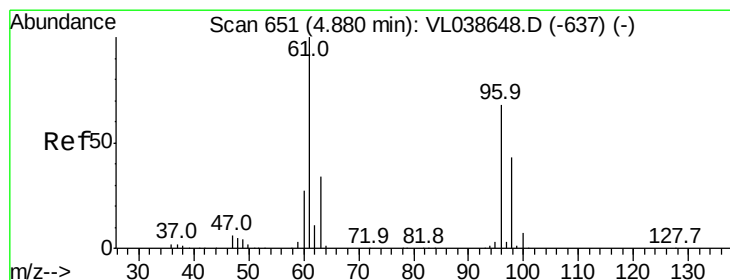
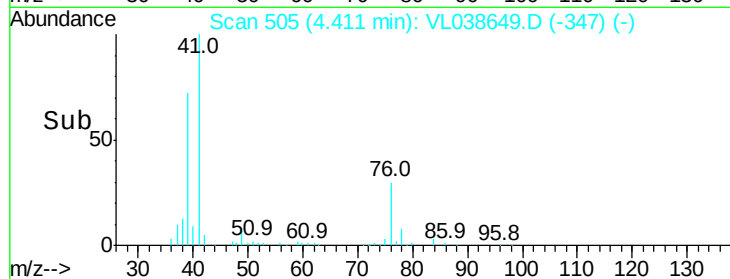
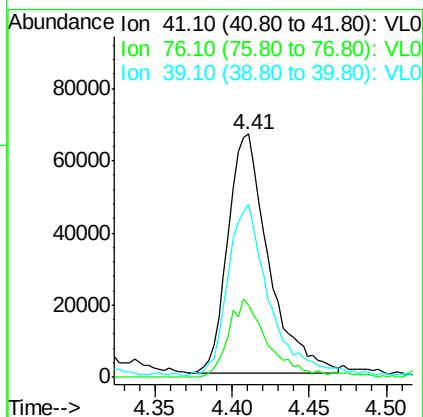
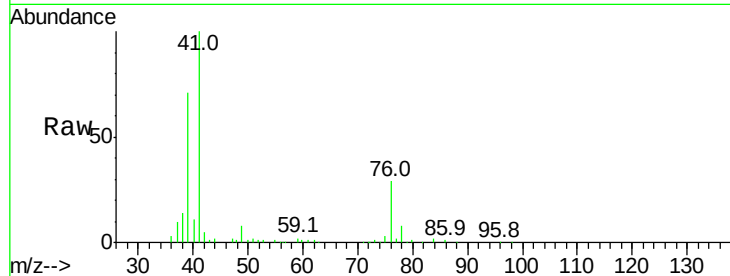
86 61.3 51.4 77.0





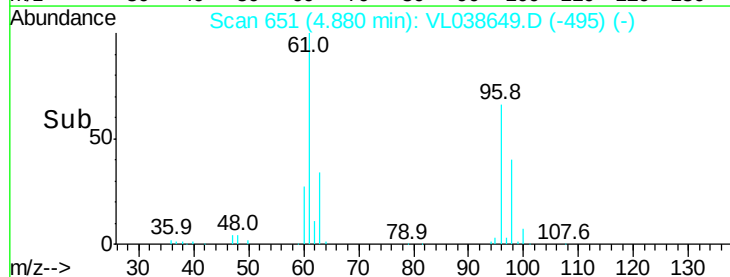
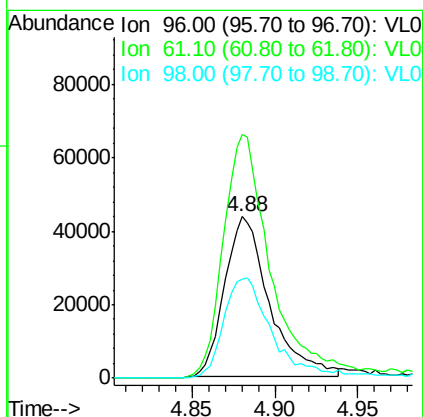
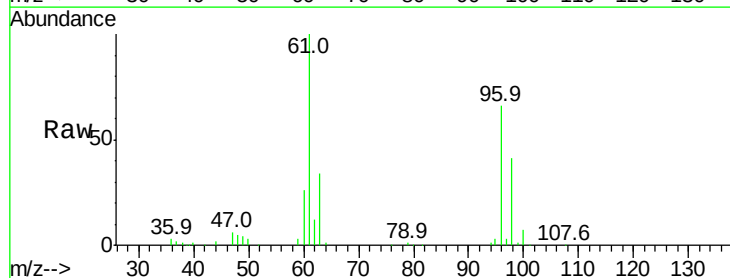
#21
 Allyl Chloride
 Concen: 1.81 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

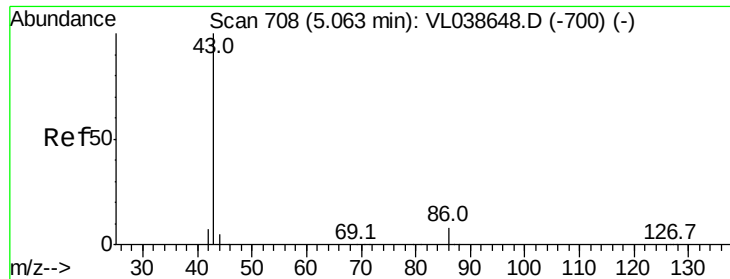
Tgt Ion: 41 Resp: 120351
 Ion Ratio Lower Upper
 41 100
 76 33.0 25.0 37.6
 39 75.9 56.6 85.0



#22
 trans-1,2-Dichloroethene
 Concen: 1.75 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

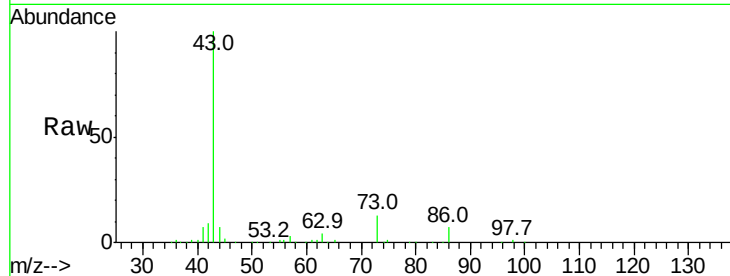
Tgt Ion: 96 Resp: 82786
 Ion Ratio Lower Upper
 96 100
 61 150.9 118.3 177.5
 98 61.0 51.3 76.9



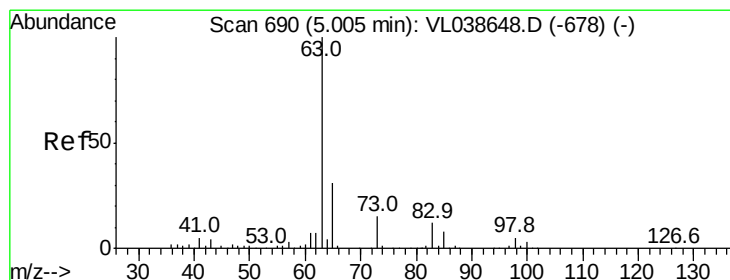
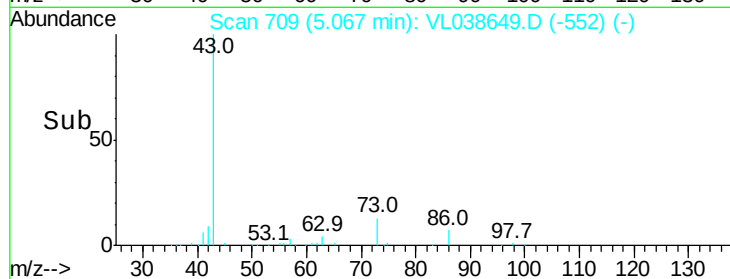
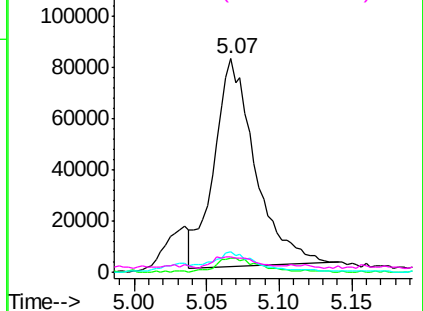


#23
 Vinyl Acetate
 Concen: 1.63 ppbv
 RT: 5.07
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

Tgt Ion:	43	Resp:	161385
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	9.3	6.8	10.2
44	4.7	4.2	6.2

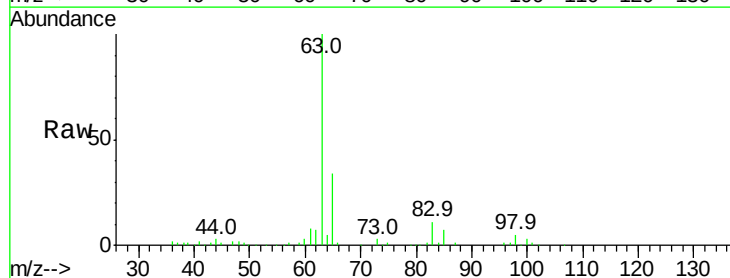


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

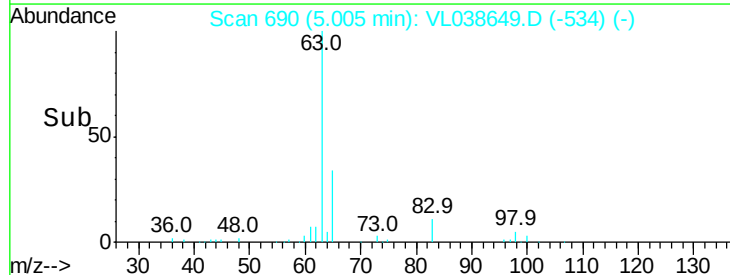
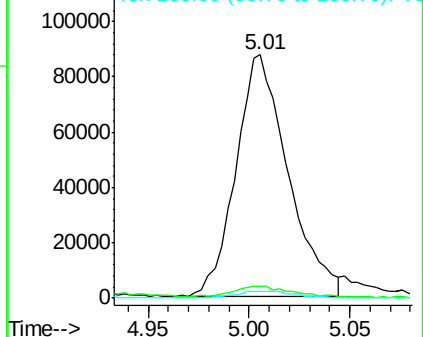


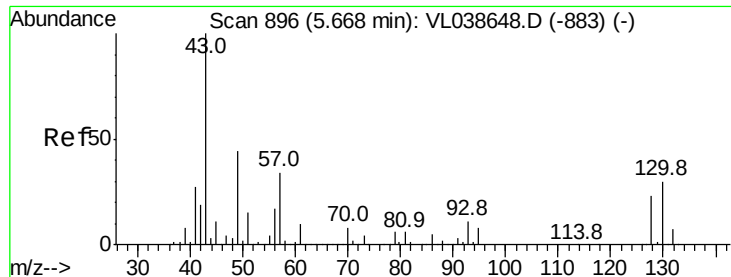
#24
 1,1-Dichloroethane
 Concen: 1.75 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion:	63	Resp:	157943
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.5
100	3.1	1.4	4.2



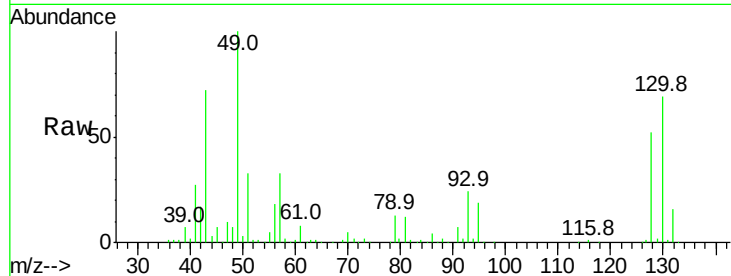
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25
 Ethyl Acetate
 Concen: 1.92 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

Tgt Ion:	43	Resp:	446908
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	10.6	8.3	12.5
70	8.1	5.6	8.4



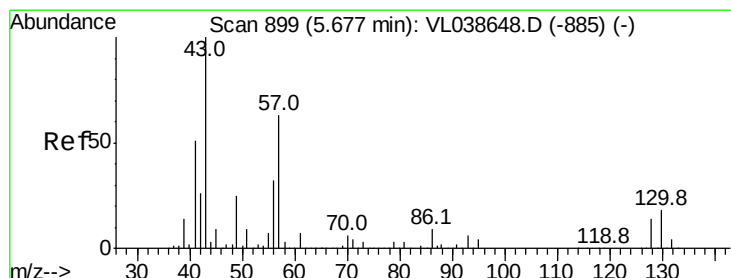
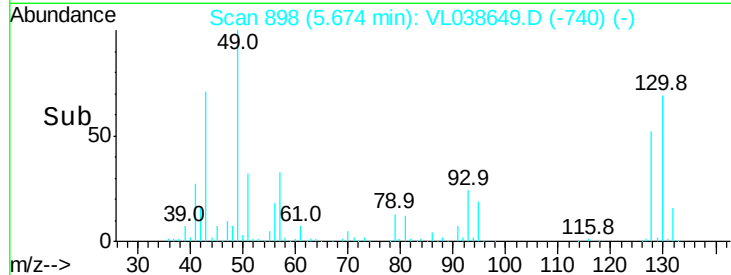
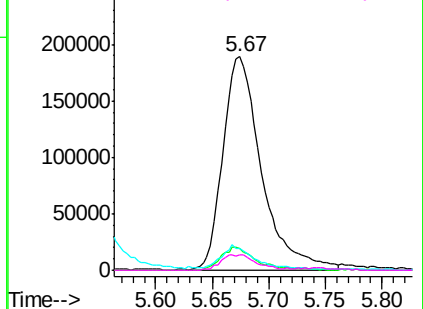
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

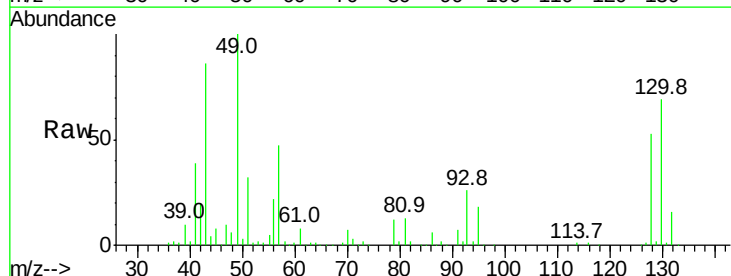
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
 Hexane
 Concen: 1.83 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T.: 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion:	57	Resp:	200468
Ion	Ratio	Lower	Upper
57	100		
41	85.3	67.0	100.4
43	229.5	184.2	276.2
56	54.4	42.6	64.0



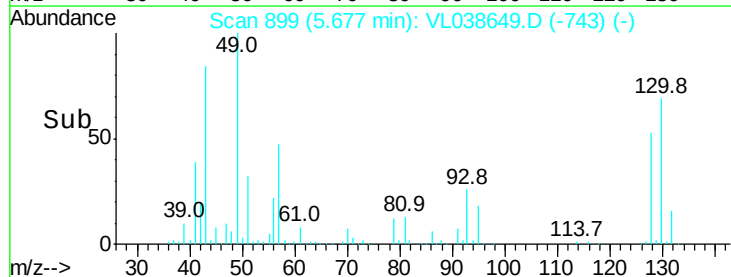
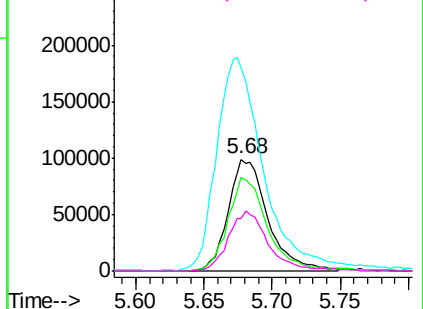
Abundance

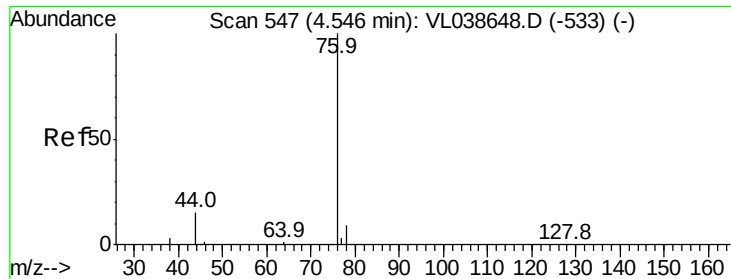
Ion 57.10 (56.80 to 57.80): VL0

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: 1.75 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC002

Acq: 21 Mar 2022 13:17

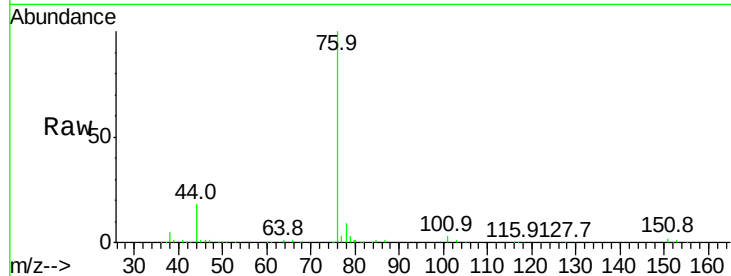
Tgt Ion: 76 Resp: 190260

Ion Ratio Lower Upper

76 100

44 17.0 12.4 18.6

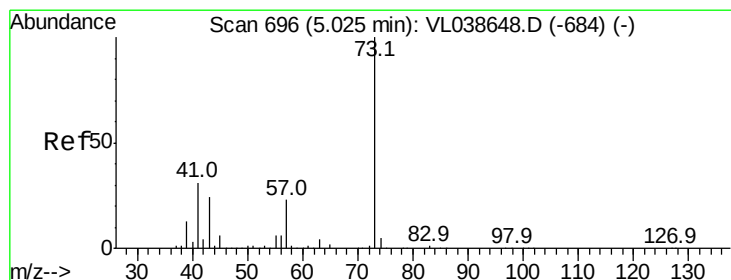
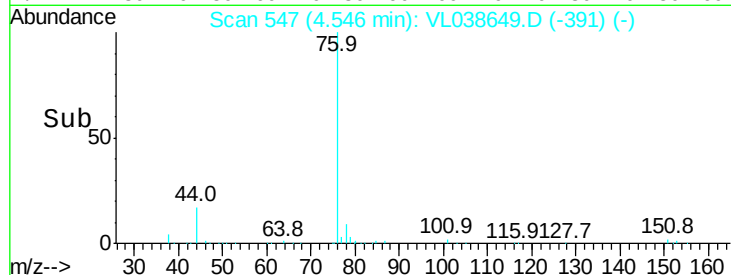
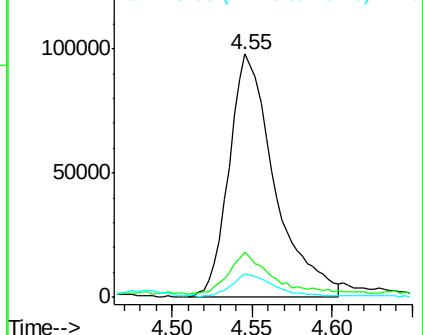
78 10.4 7.8 11.8



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: 1.63 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL038649.D

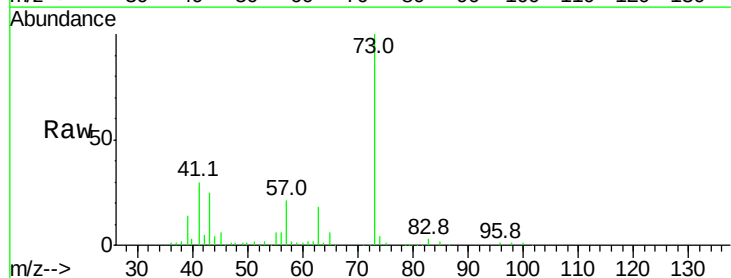
Acq: 21 Mar 2022 13:17

Tgt Ion: 73 Resp: 145022

Ion Ratio Lower Upper

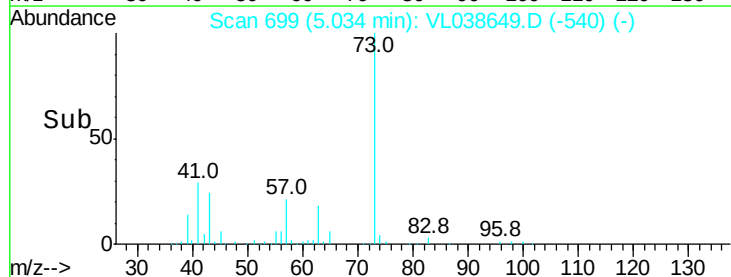
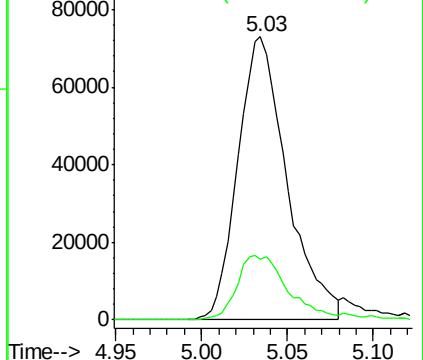
73 100

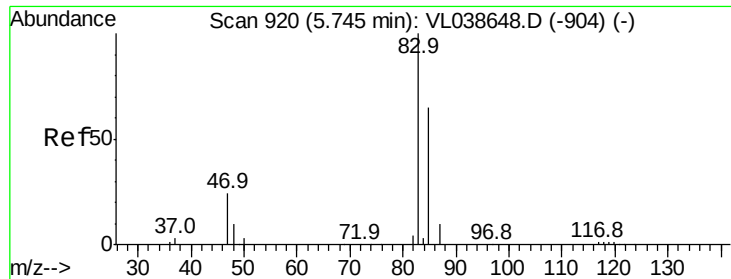
57 25.0 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.84 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

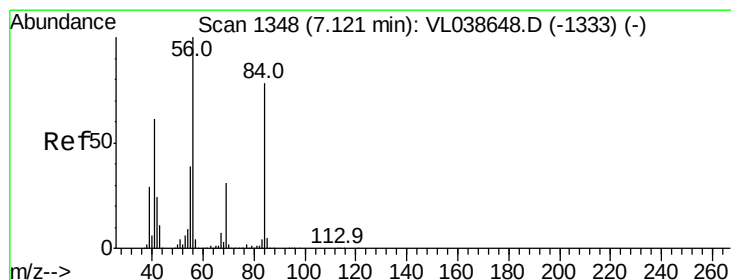
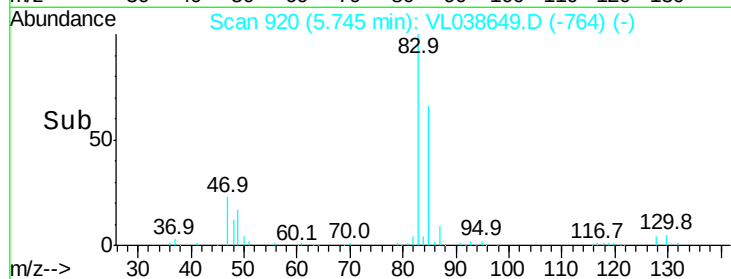
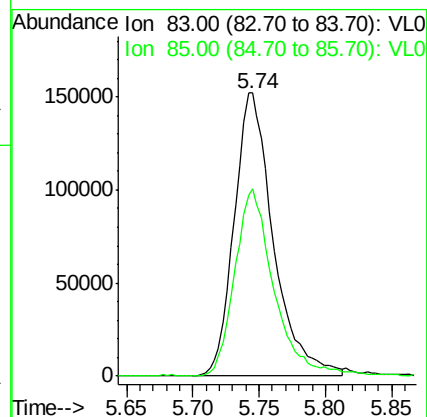
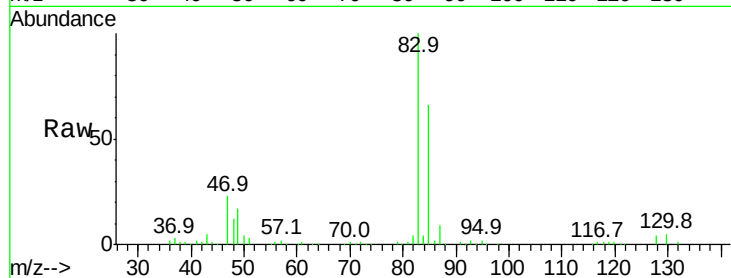
Acq: 21 Mar 2022 13:17

Tgt Ion: 83 Resp: 313054

Ion Ratio Lower Upper

83 100

85 66.0 51.7 77.5



#30

Cyclohexane

Concen: 1.82 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

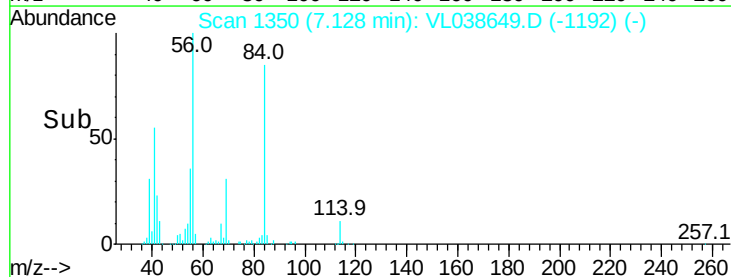
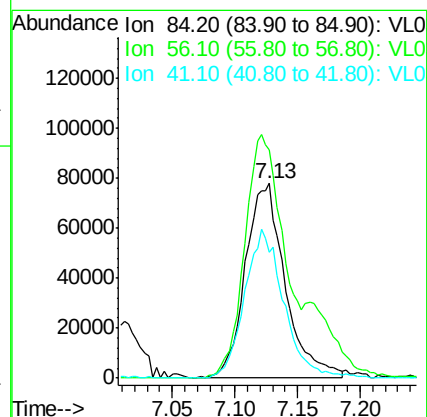
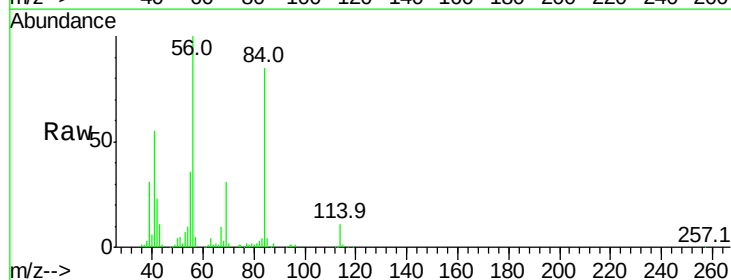
Tgt Ion: 84 Resp: 172308

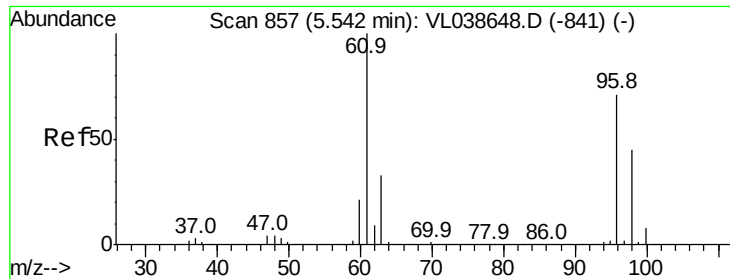
Ion Ratio Lower Upper

84 100

56 152.5 108.2 162.4

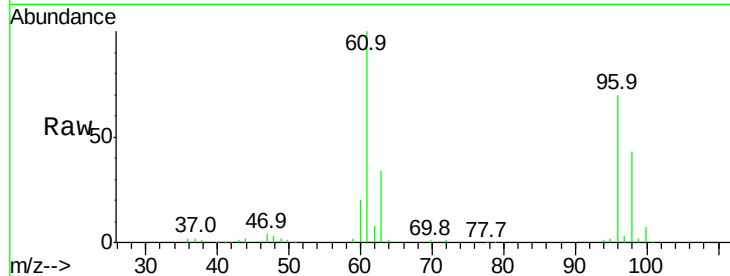
41 75.9 61.8 92.6



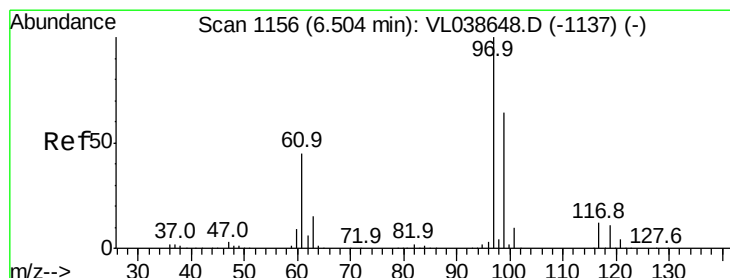
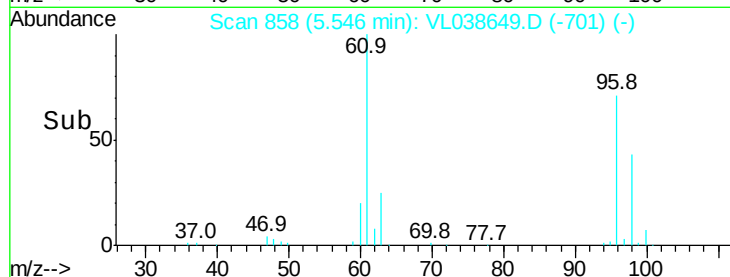
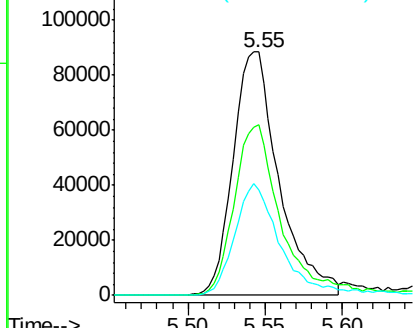


#31
 cis-1,2-Dichloroethene
 Concen: 1.75 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

Tgt Ion: 61 Resp: 182754
 Ion Ratio Lower Upper
 61 100
 96 69.9 56.6 84.8
 98 43.1 36.3 54.5

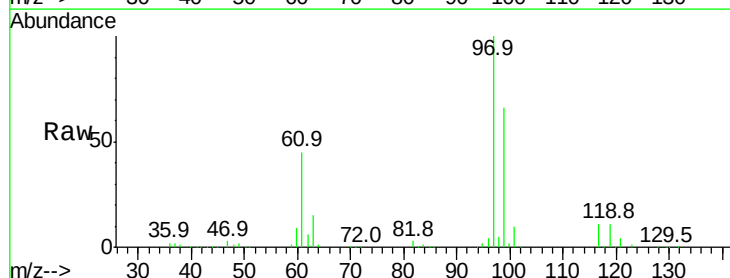


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

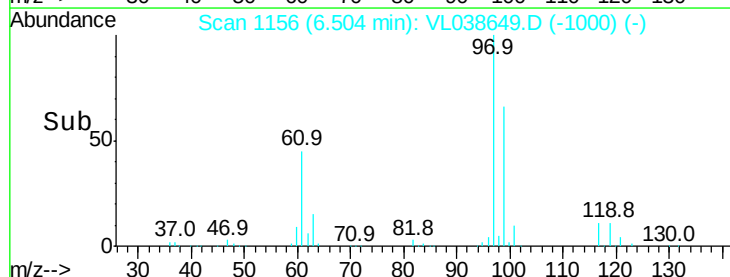
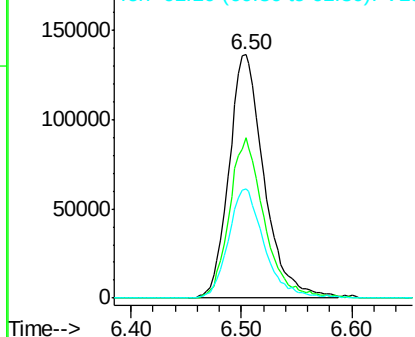


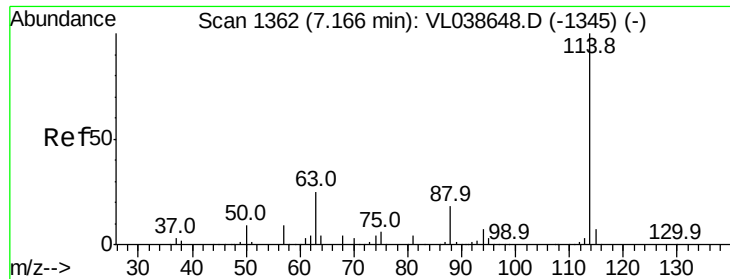
#32
 1,1,1-Trichloroethane
 Concen: 1.83 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion: 97 Resp: 301712
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.8
 61 46.2 36.7 55.1



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





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC002

Acq: 21 Mar 2022 13:17

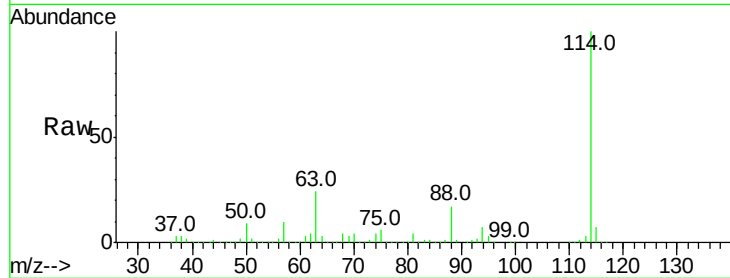
Tgt Ion:114 Resp: 2585772

Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.0

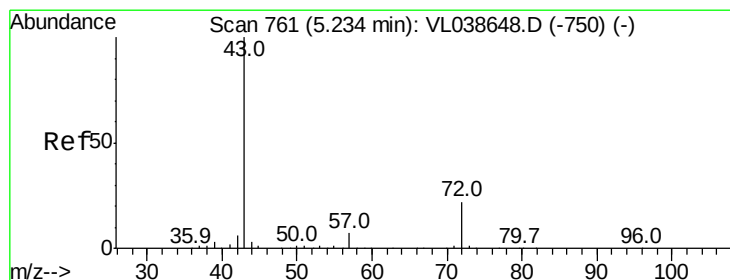
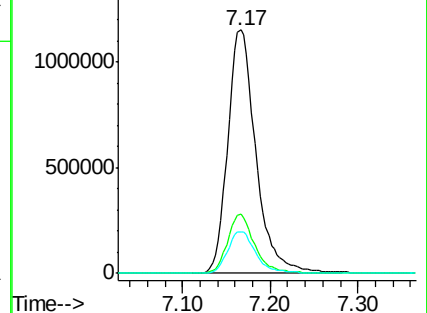
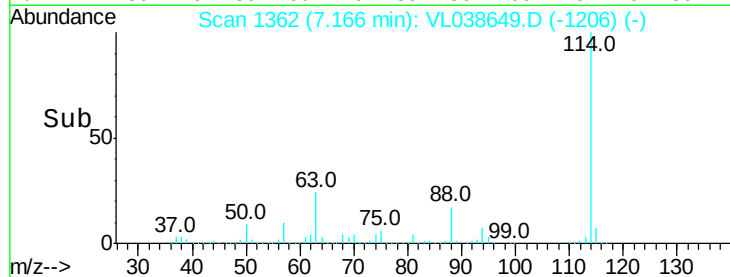
88 17.2 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.61 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL038649.D

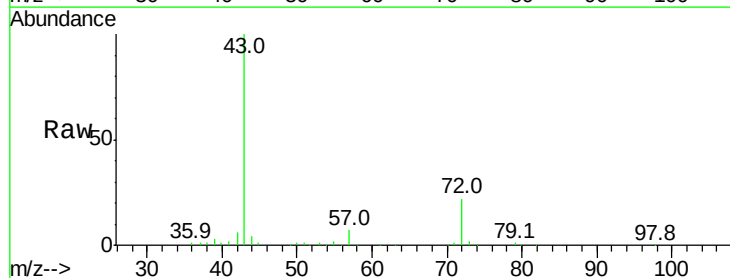
Acq: 21 Mar 2022 13:17

Tgt Ion: 43 Resp: 174697

Ion Ratio Lower Upper

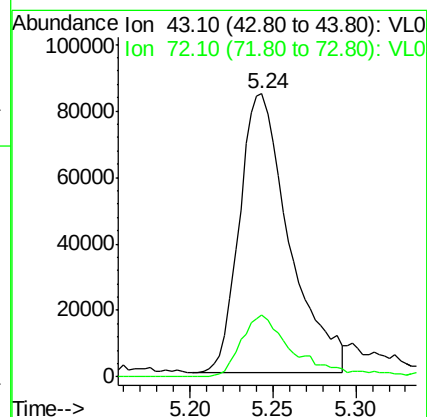
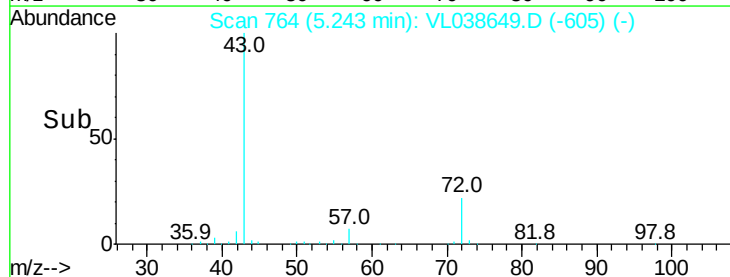
43 100

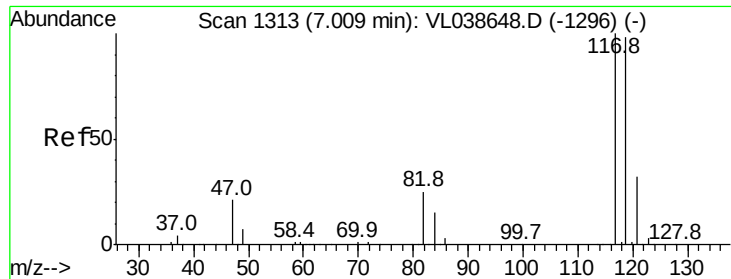
72 25.4 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

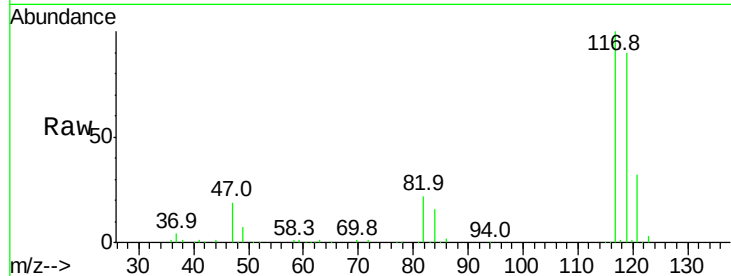
Ion 72.10 (71.80 to 72.80): VL0



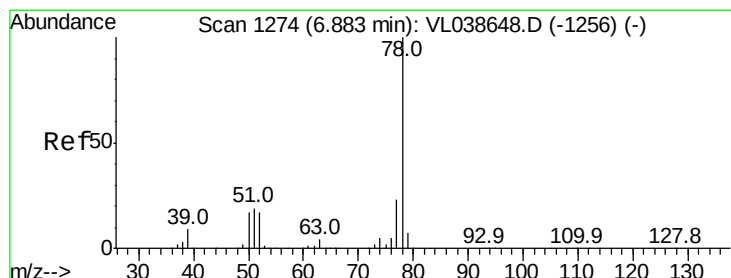
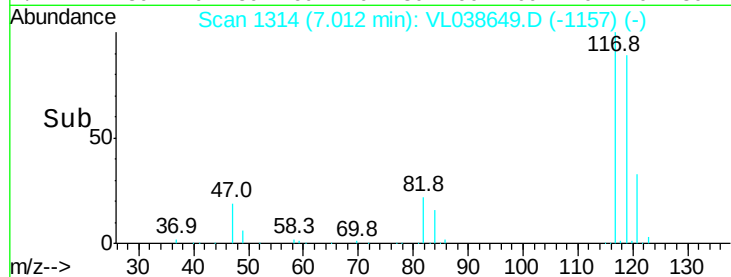
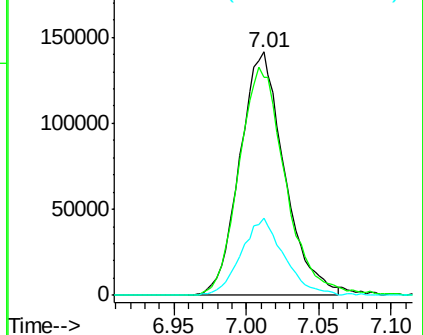


#35
Carbon Tetrachloride
Concen: 1.71 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Mar 2022 13:17

Tgt Ion: 117 Resp: 301824
Ion Ratio Lower Upper
117 100
119 89.8 78.1 117.1
121 31.8 25.8 38.6

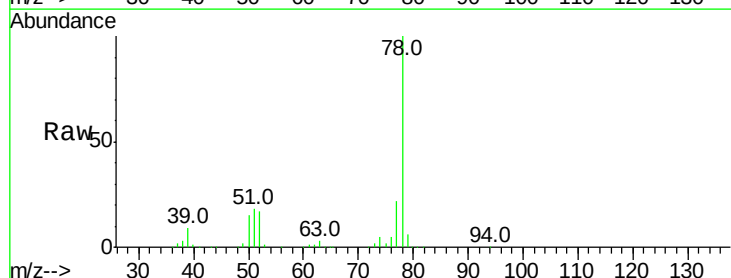


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

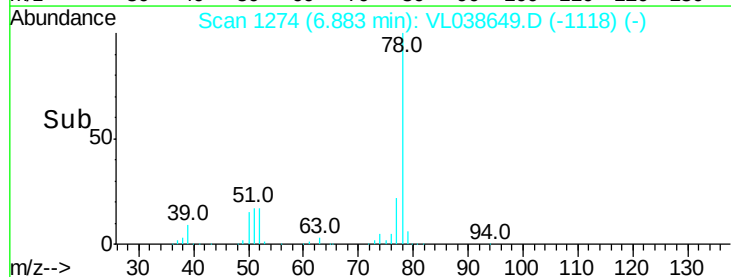
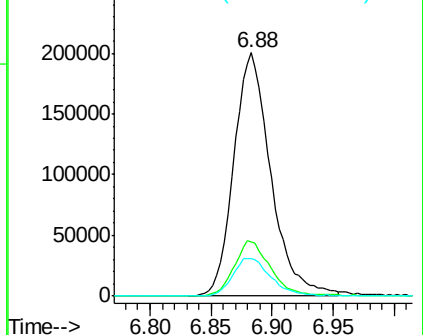


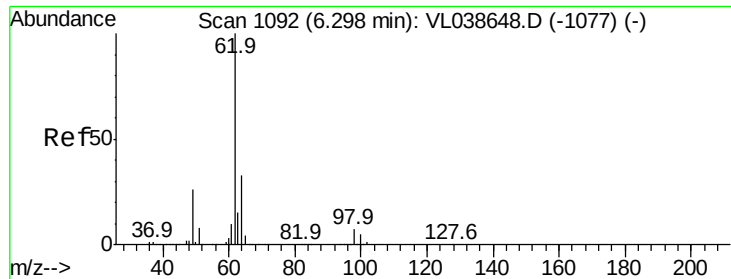
#36
Benzene
Concen: 1.80 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VL038649.D
Acq: 21 Mar 2022 13:17

Tgt Ion: 78 Resp: 421125
Ion Ratio Lower Upper
78 100
77 22.0 18.1 27.1
50 15.4 13.6 20.4



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: 1.87 ppbv

RT: 6.30

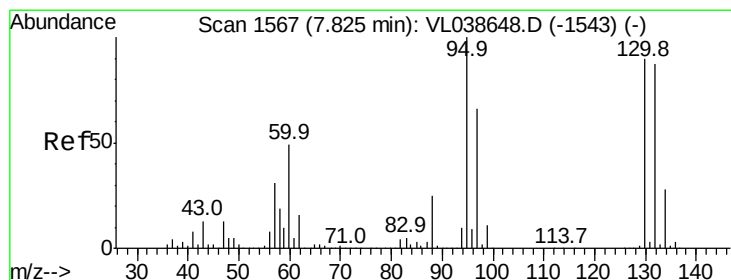
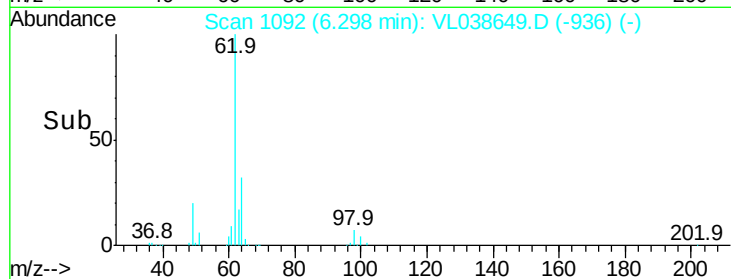
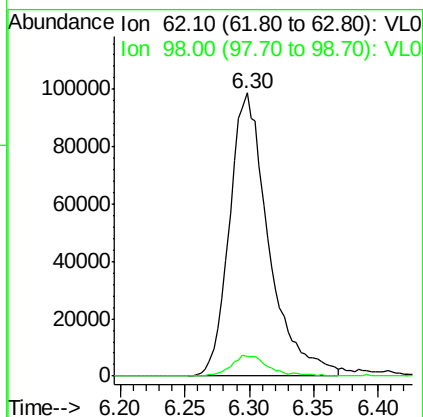
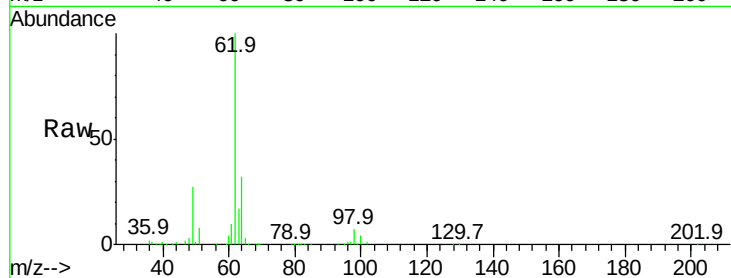
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Mar 2022 13:17

Tgt Ion: 62 Resp: 208775

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.6	8.4



#38

Trichloroethene

Concen: 1.94 ppbv

RT: 7.83 min Scan# 1567

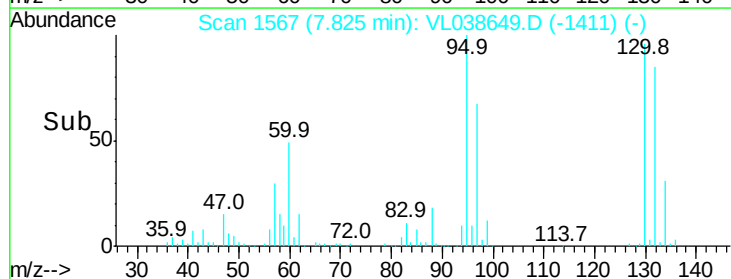
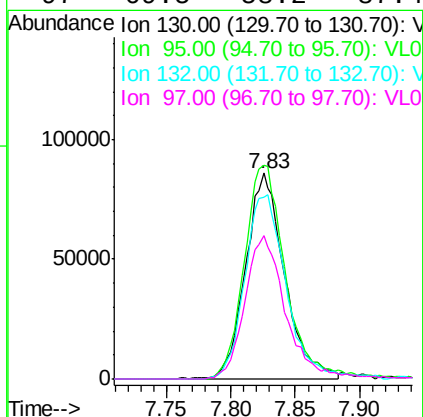
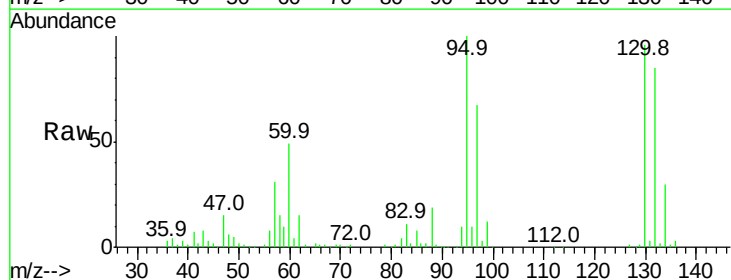
Delta R.T. 0.00 min

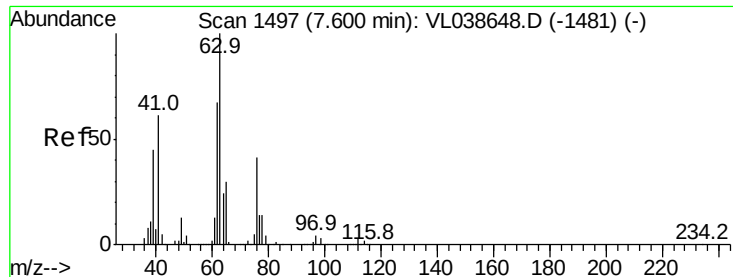
Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

Tgt Ion: 130 Resp: 180771

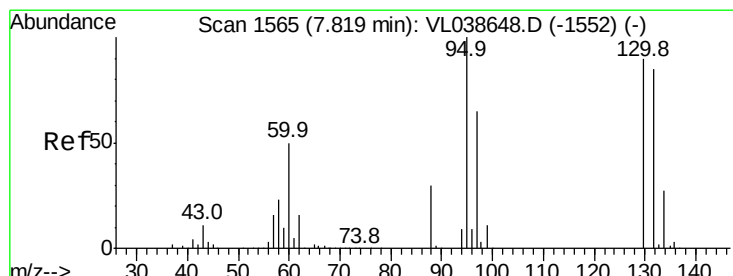
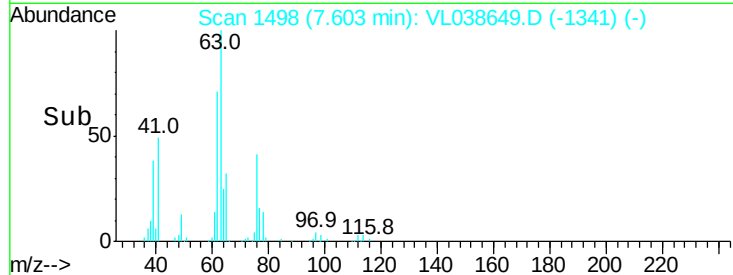
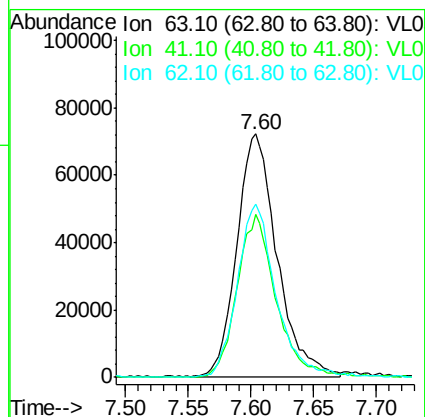
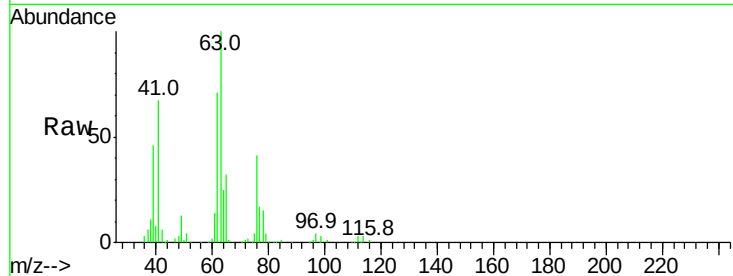
Ion	Ratio	Lower	Upper
130	100		
95	103.9	88.9	133.3
132	88.3	77.4	116.0
97	69.5	58.2	87.4





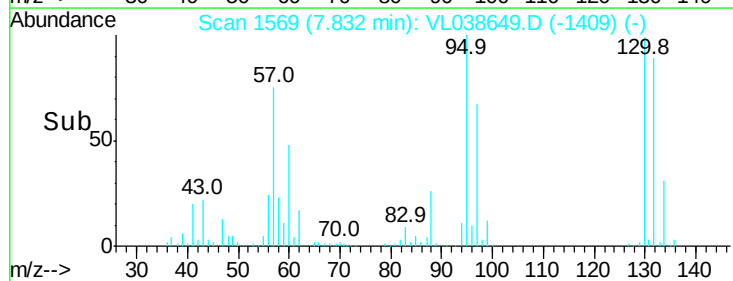
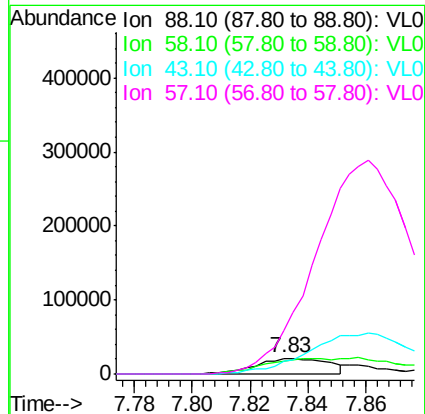
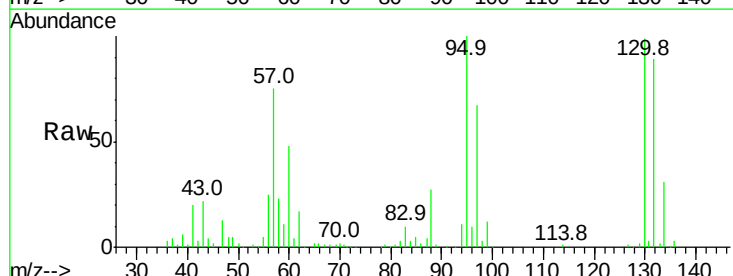
#39
 1,2-Dichloropropane
 Concen: 1.78 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Mar 2022 13:17

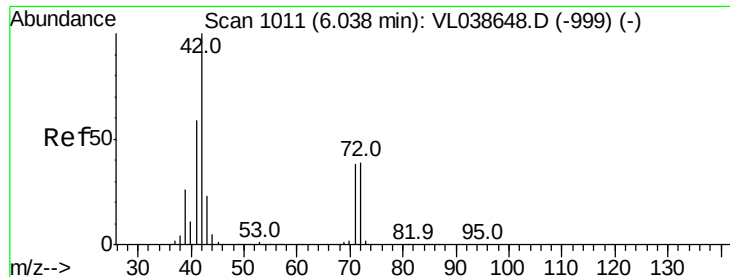
Tgt Ion:	63	Resp:	159810
Ion	Ratio	Lower	Upper
63	100		
41	66.7	49.0	73.6
62	70.8	53.9	80.9



#40
 1,4-Dioxane
 Concen: 1.61 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion:	88	Resp:	36084
Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	201.9	302.9#
57	0.0	942.1	1413.1#





#41

Tetrahydrofuran

Concen: 2.85 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 21 Mar 2022 13:17

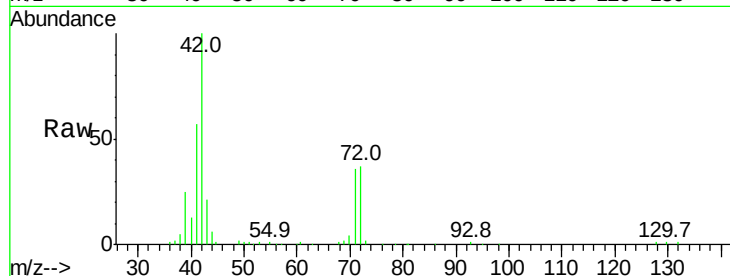
Tgt Ion: 42 Resp: 156218

Ion Ratio Lower Upper

42 100

72 38.9 32.5 48.7

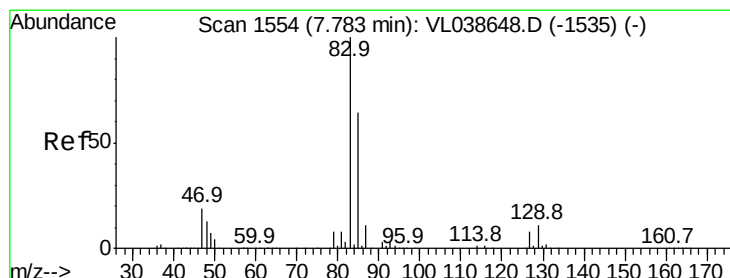
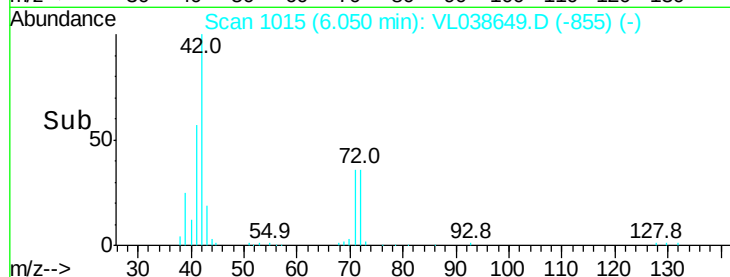
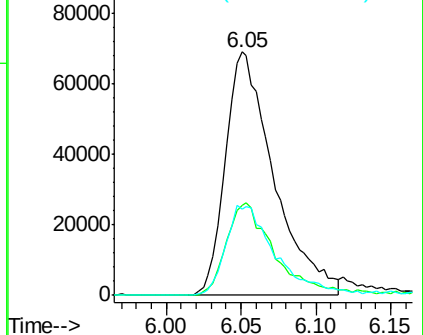
71 38.1 31.4 47.2



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 1.77 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

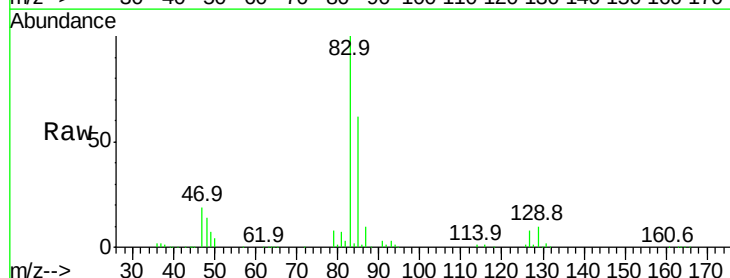
Tgt Ion: 83 Resp: 313663

Ion Ratio Lower Upper

83 100

85 61.8 51.1 76.7

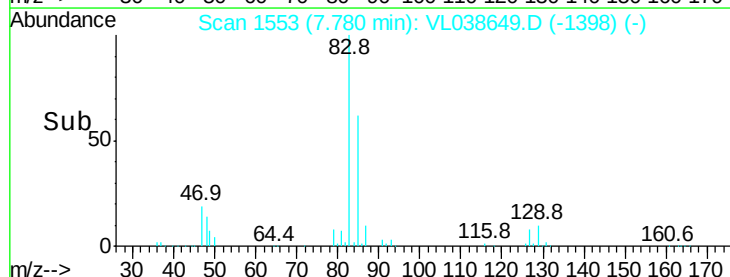
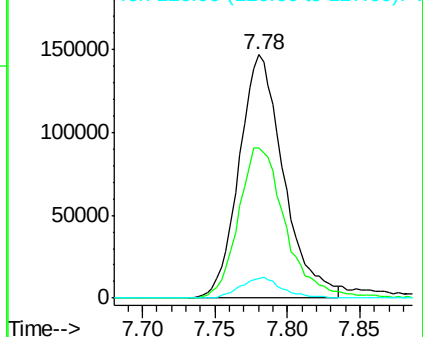
127 7.9 6.5 9.7

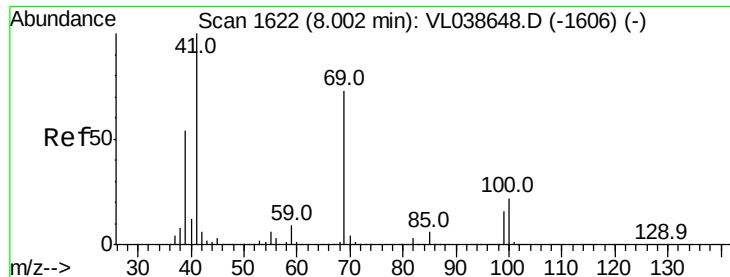


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 1.93 ppbv

RT: 8.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 21 Mar 2022 13:17

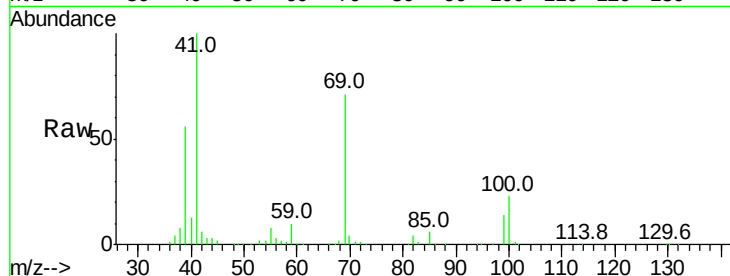
Tgt Ion: 69 Resp: 154232

Ion Ratio Lower Upper

69 100

41 137.8 110.3 165.5

100 30.4 24.8 37.2

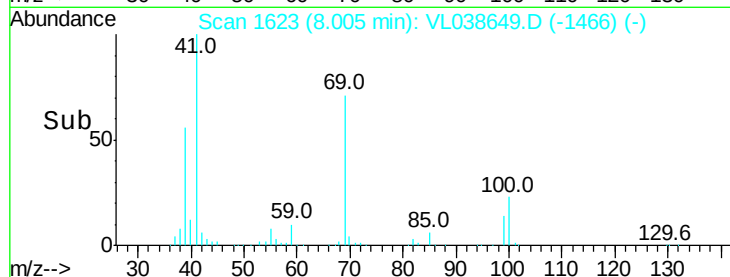


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

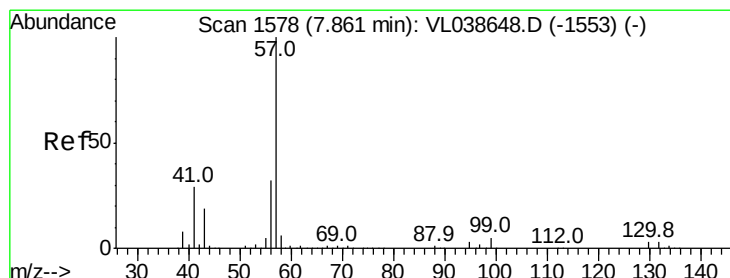
Ion 100.10 (99.80 to 100.80): VL0

Time-->



8.01

Time-->



#44

2,2,4-Trimethylpentane

Concen: 1.81 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

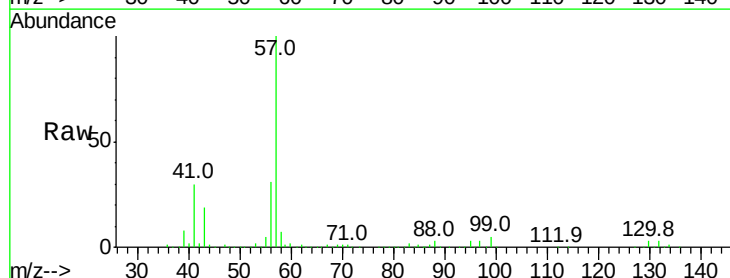
Tgt Ion: 57 Resp: 713550

Ion Ratio Lower Upper

57 100

41 28.6 23.0 34.4

56 31.6 25.3 37.9

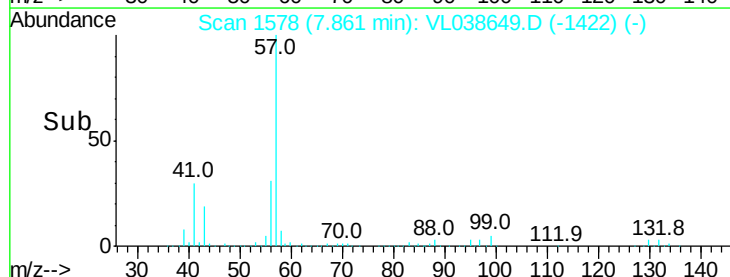


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

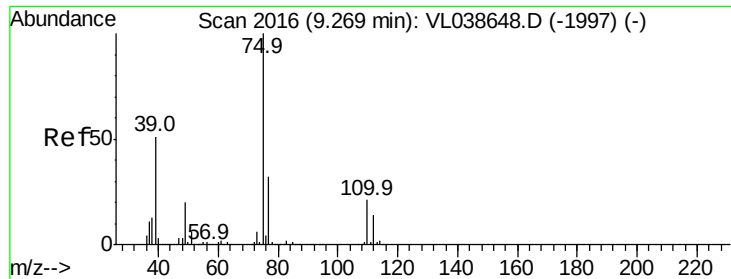
Ion 56.10 (55.80 to 56.80): VL0

Time-->



7.86

Time-->



#45

t-1,3-Dichloropropene

Concen: 2.38 ppbv

RT: 9.27

Instrument: MSVOA_1

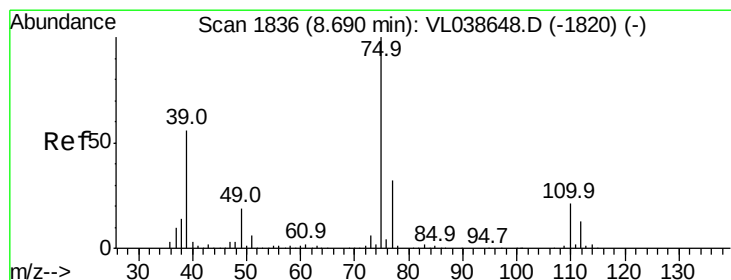
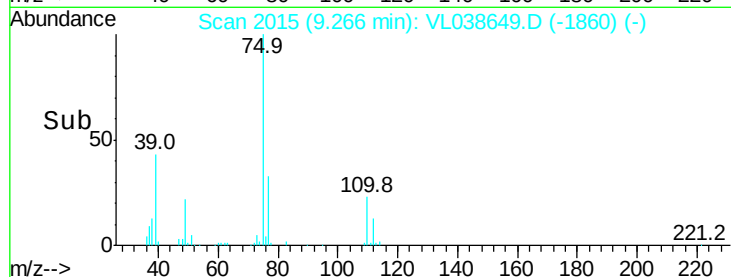
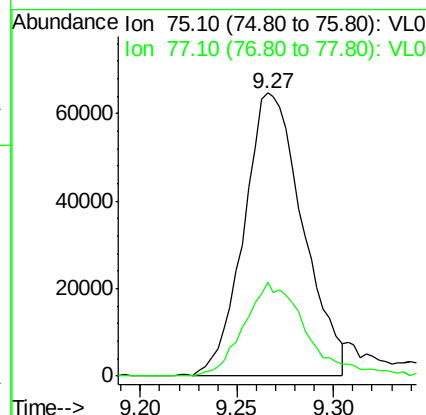
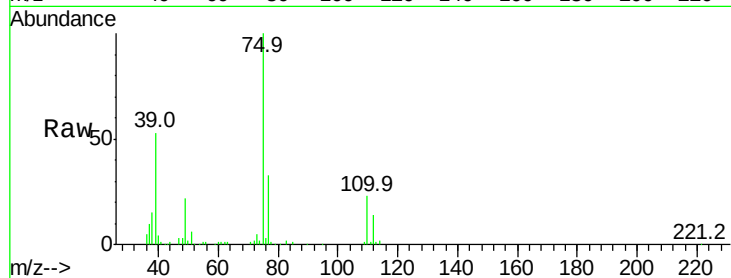
Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 21 Mar 2022 13:17

Tgt Ion: 75 Resp: 137161

Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.5	38.3



#46

cis-1,3-Dichloropropene

Concen: 2.57 ppbv

RT: 8.69 min Scan# 1836

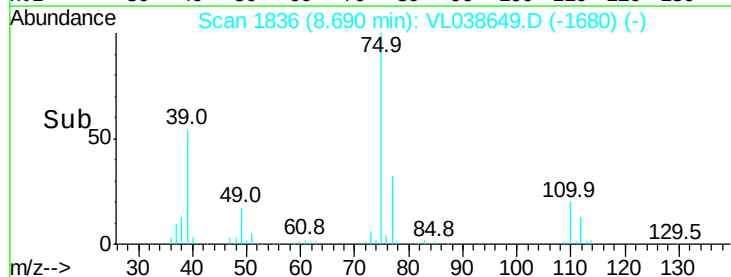
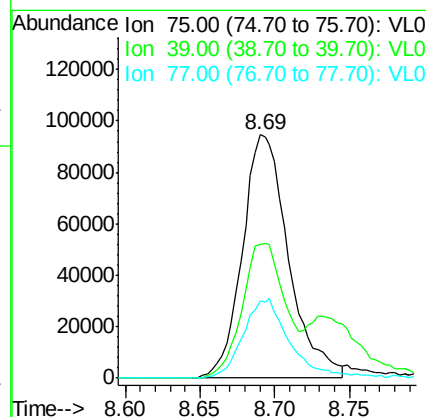
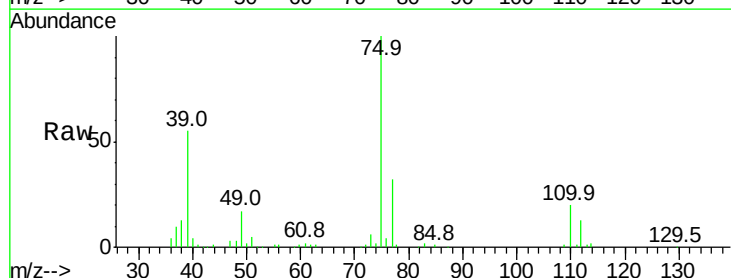
Delta R.T. 0.00 min

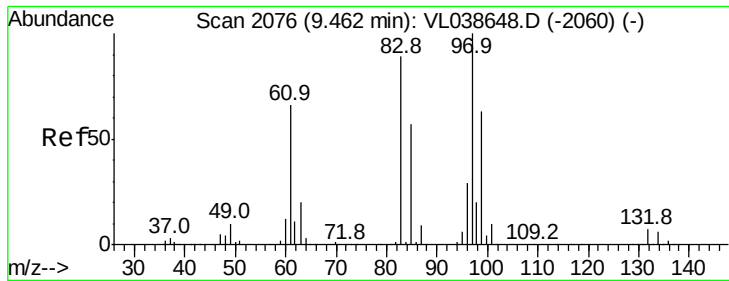
Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

Tgt Ion: 75 Resp: 202712

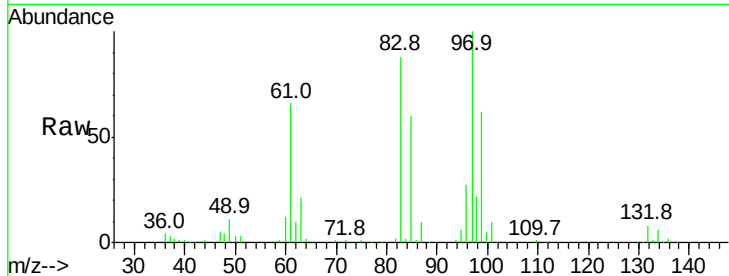
Ion	Ratio	Lower	Upper
75	100		
39	55.0	44.8	67.2
77	31.9	25.4	38.0



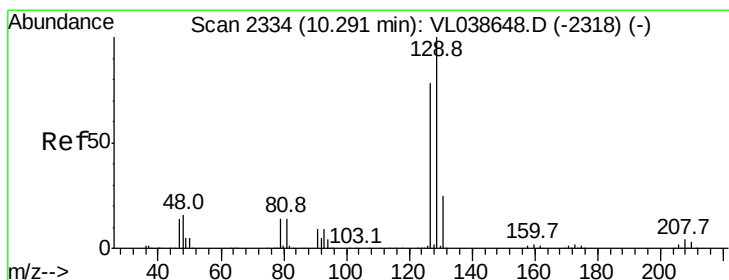
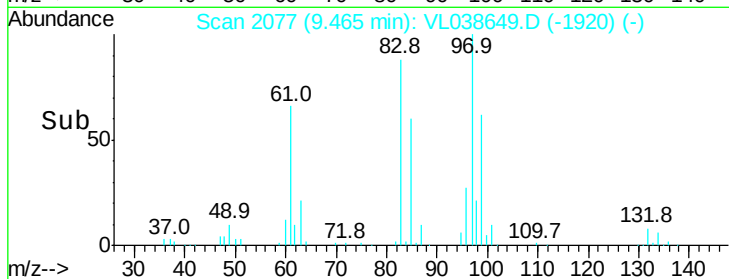
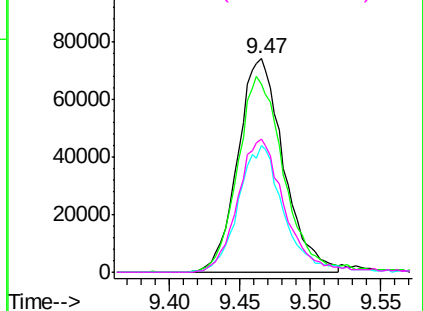


#47
 1,1,2-Trichloroethane
 Concen: 1.83 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

Tgt Ion:	97	Resp:	167759
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.2	106.8
85	59.6	45.3	67.9
99	62.3	50.6	76.0

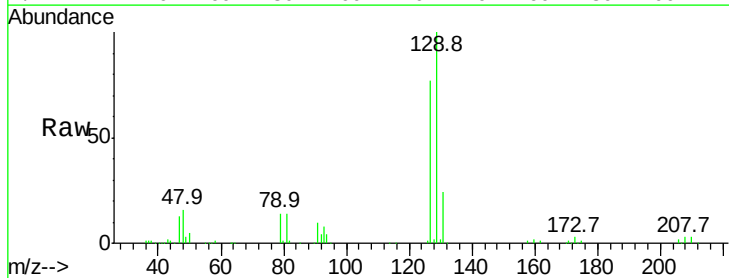


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

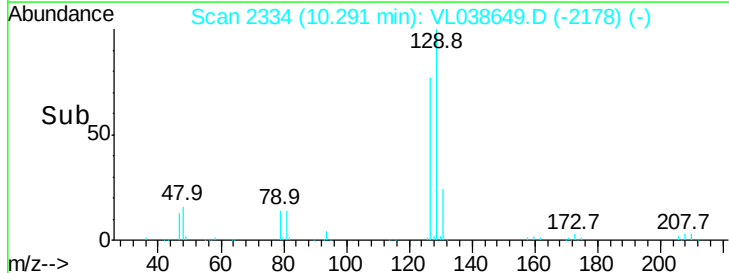
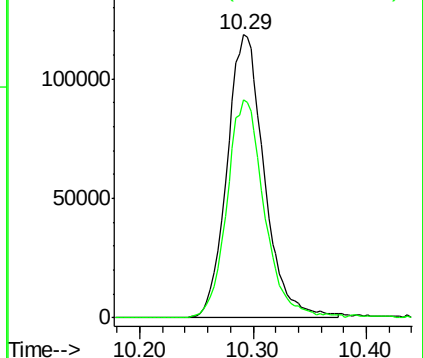


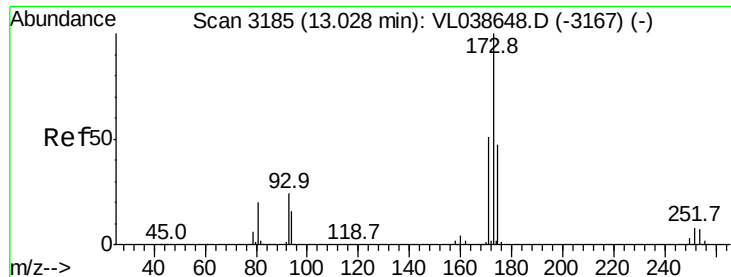
#48
 Dibromochloromethane
 Concen: 1.87 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion:	129	Resp:	271440
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.5	118.5



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





#49

Bromoform

Concen: 1.96 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC002

Acq: 21 Mar 2022 13:17

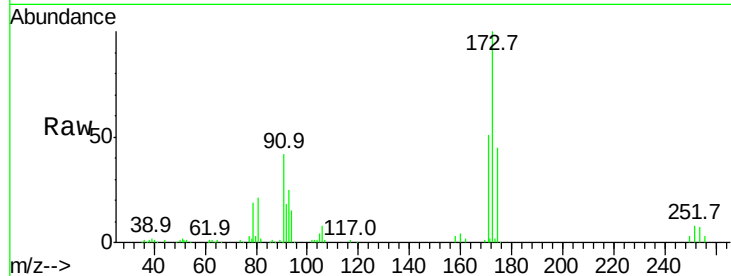
Tgt Ion: 173 Resp: 217768

Ion Ratio Lower Upper

173 100

175 49.2 41.0 61.6

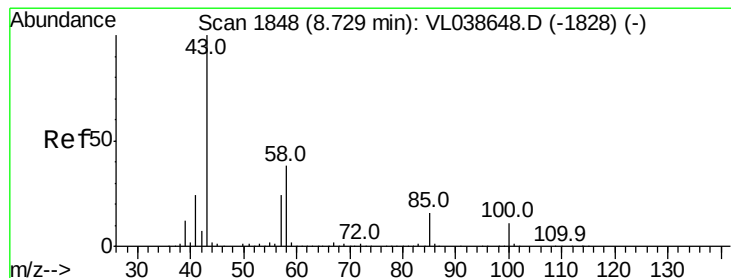
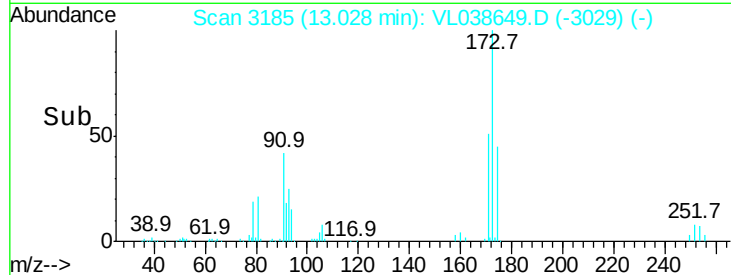
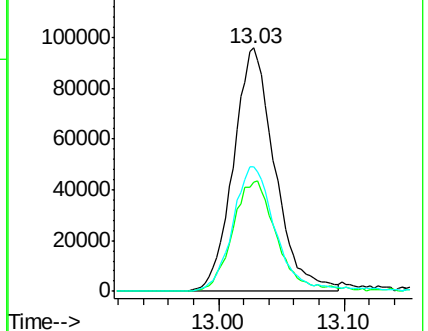
171 54.4 43.1 64.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 2.80 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL038649.D

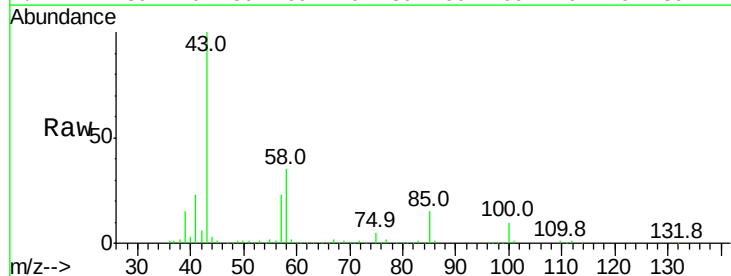
Acq: 21 Mar 2022 13:17

Tgt Ion: 43 Resp: 384481

Ion Ratio Lower Upper

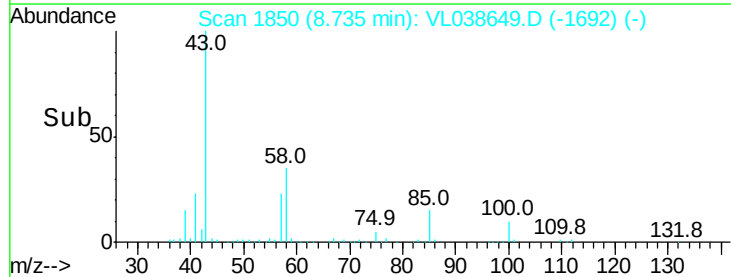
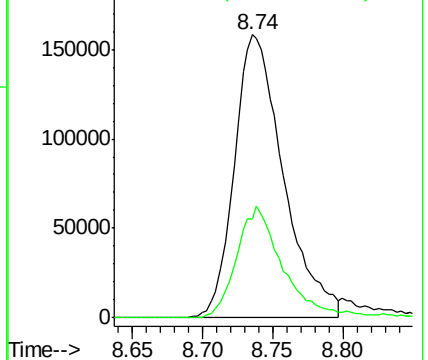
43 100

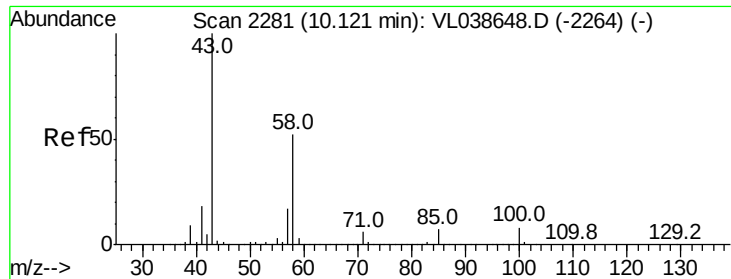
58 38.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 4.73 ppbv

RT: 10.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:17

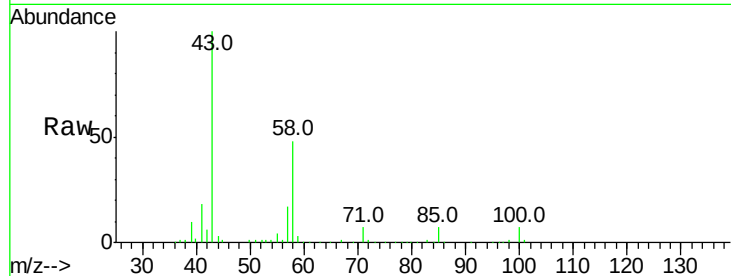
Tgt Ion: 43 Resp: 274449

Ion Ratio Lower Upper

43 100

58 52.1 41.2 61.8

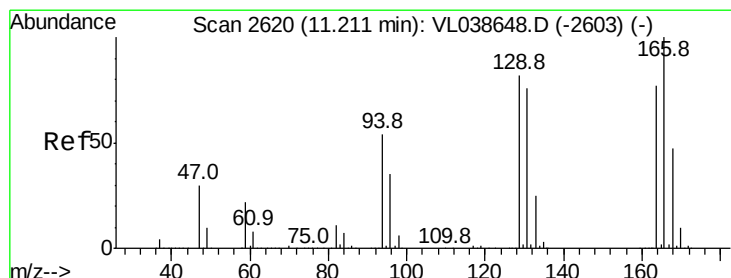
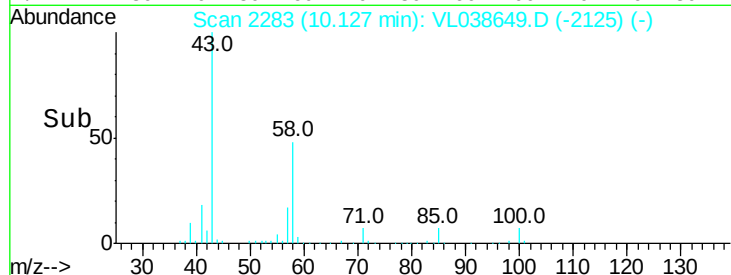
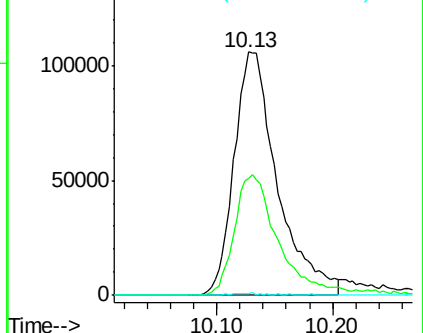
98 0.7 0.2 0.4#



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: 1.73 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. 0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

Tgt Ion: 164 Resp: 147826

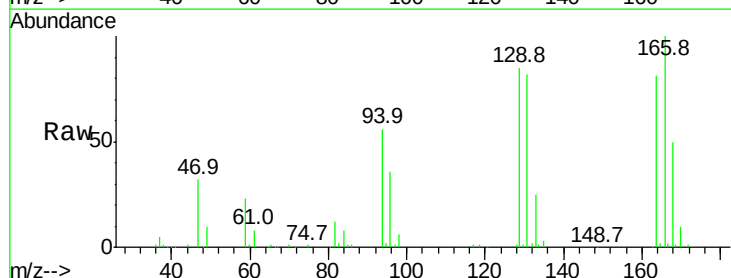
Ion Ratio Lower Upper

164 100

166 123.3 103.3 154.9

129 104.7 85.2 127.8

131 101.1 78.3 117.5

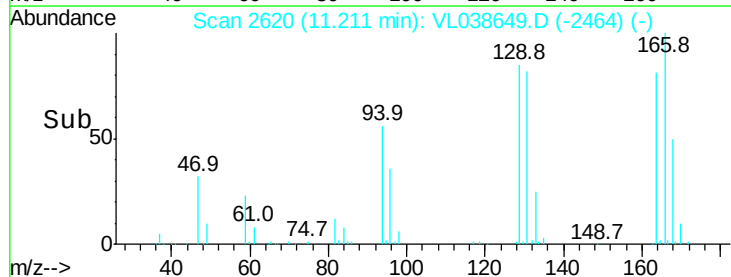
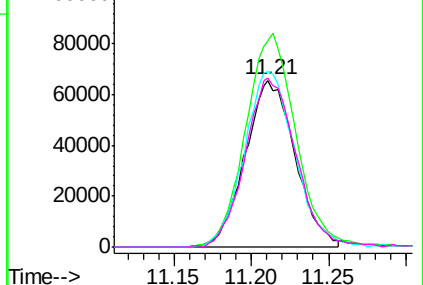


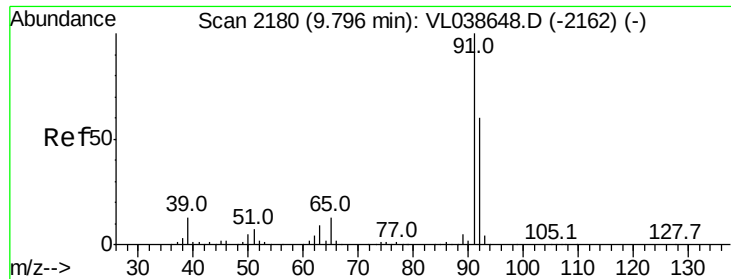
Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.83 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

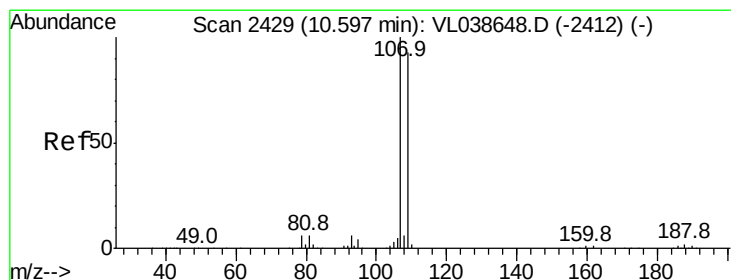
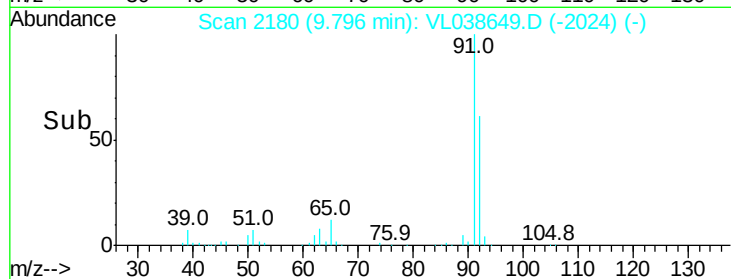
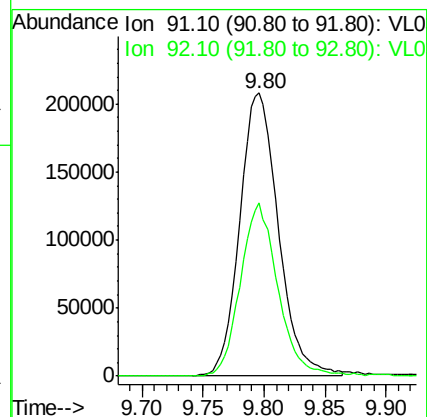
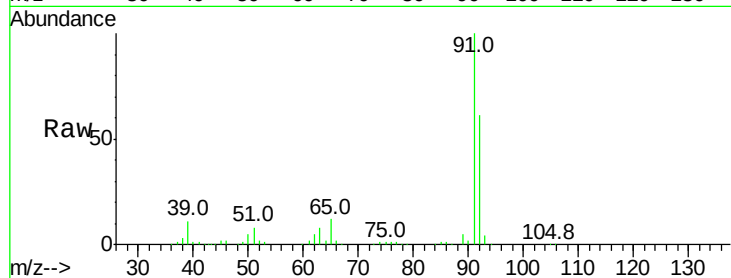
Acq: 21 Mar 2022 13:17

Tgt Ion: 91 Resp: 456955

Ion Ratio Lower Upper

91 100

92 59.7 48.7 73.1



#54

1,2-Dibromoethane

Concen: 1.76 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL038649.D

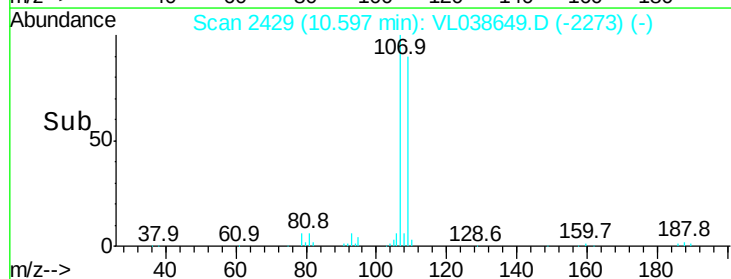
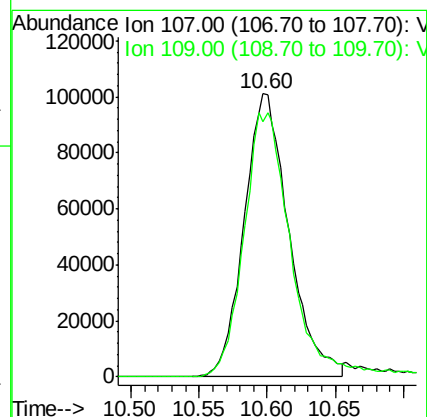
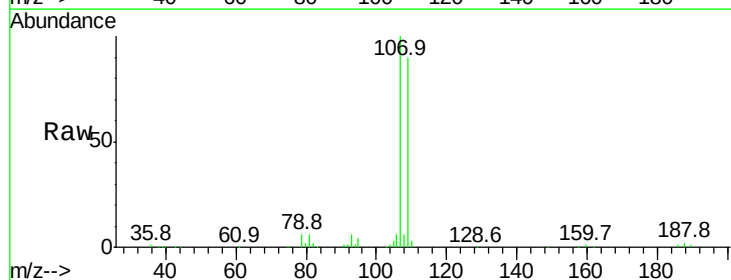
Acq: 21 Mar 2022 13:17

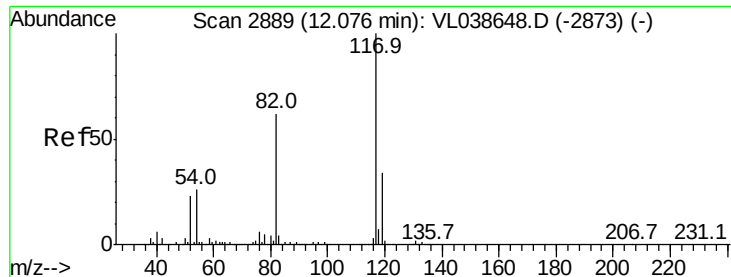
Tgt Ion: 107 Resp: 230526

Ion Ratio Lower Upper

107 100

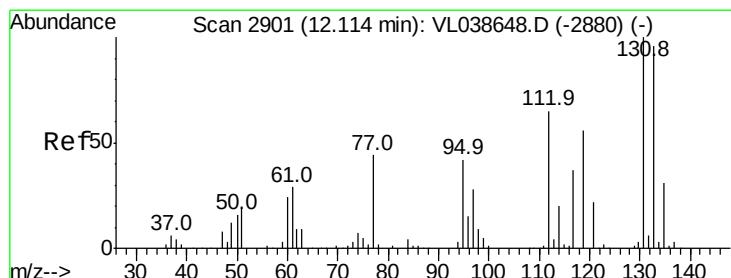
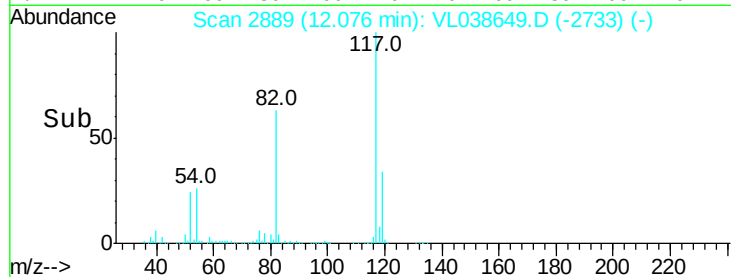
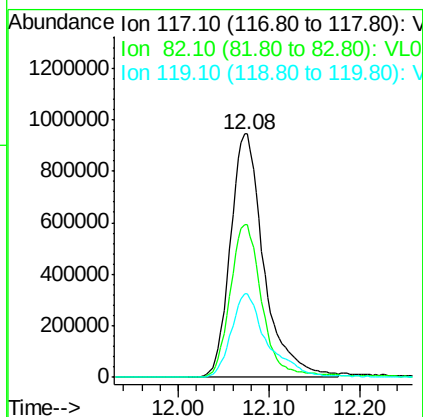
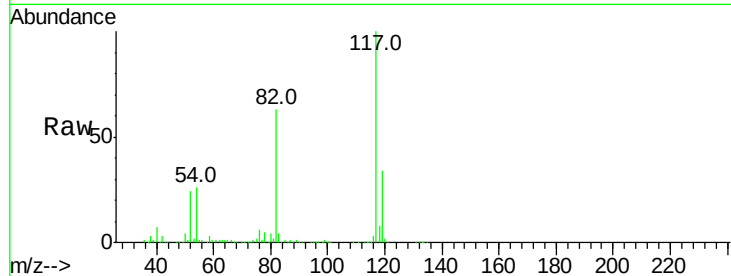
109 90.3 74.1 111.1





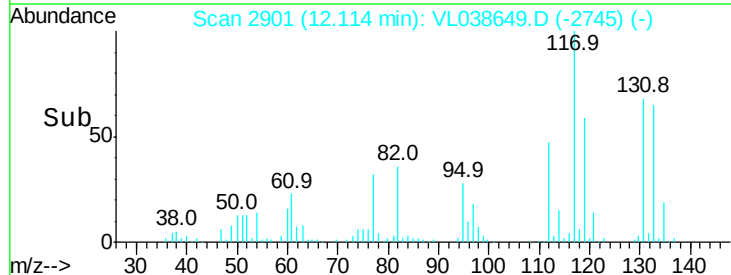
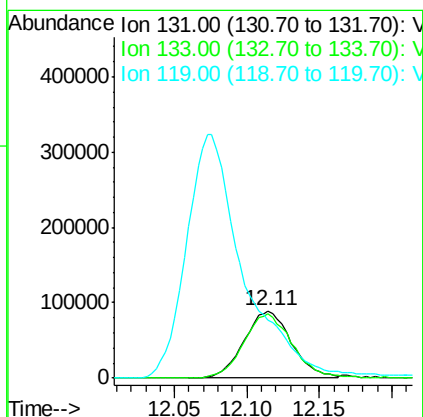
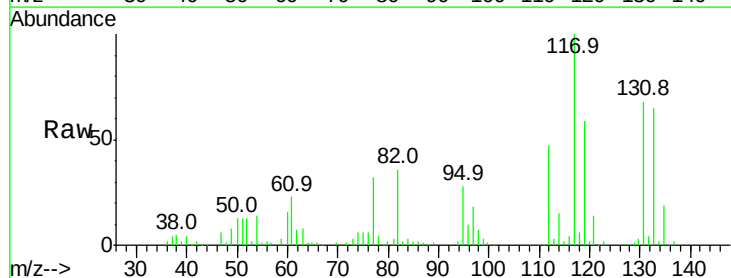
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 21 Mar 2022 13:17

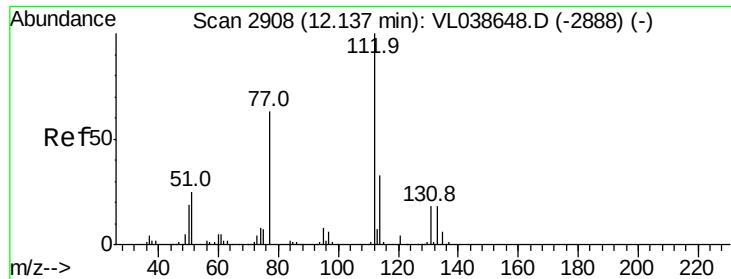
Tgt Ion:117 Resp: 2424525
 Ion Ratio Lower Upper
 117 100
 82 60.8 51.6 77.4
 119 37.3 26.9 40.3



#56
 1,1,1,2-Tetrachloroethane
 Concen: 2.05 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T.: 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

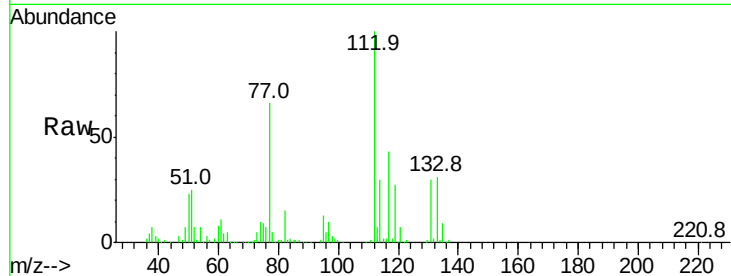
Tgt Ion:131 Resp: 202527
 Ion Ratio Lower Upper
 131 100
 133 98.5 77.3 115.9
 119 446.5 53.0 79.6#



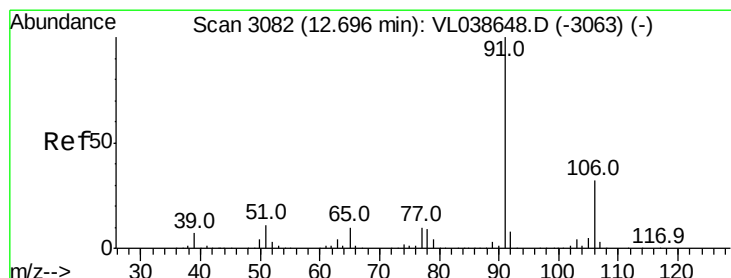
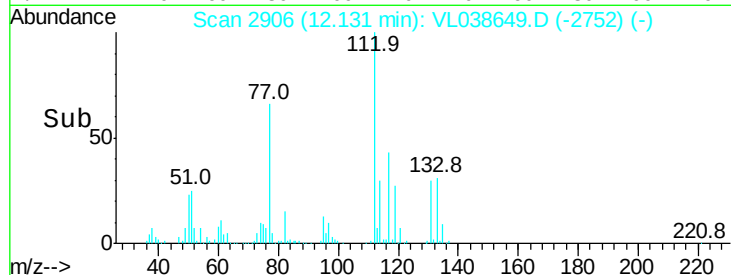
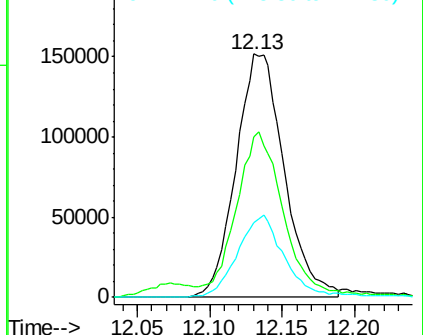


#57
Chlorobenzene
Concen: 1.90 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC002
Acq: 21 Mar 2022 13:17

Tgt Ion: 112 Resp: 351327
Ion Ratio Lower Upper
112 100
77 63.5 51.0 76.6
114 30.2 29.8 36.4

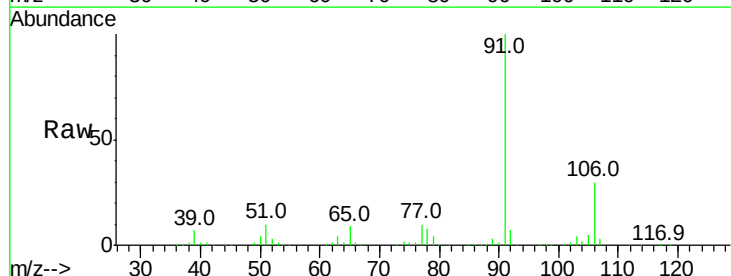


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

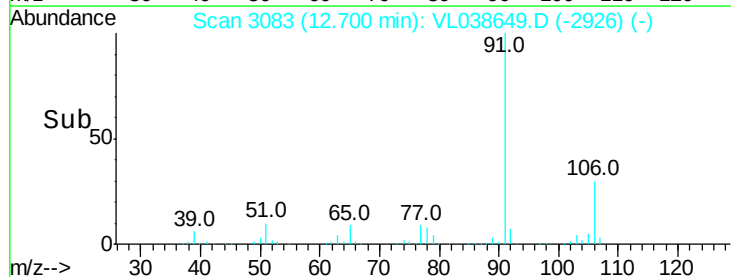
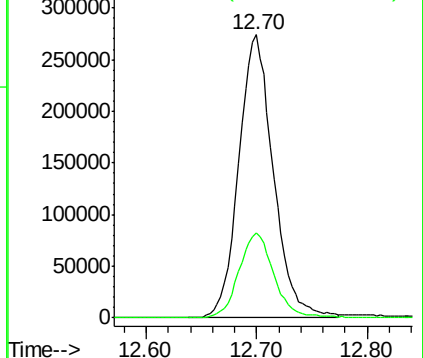


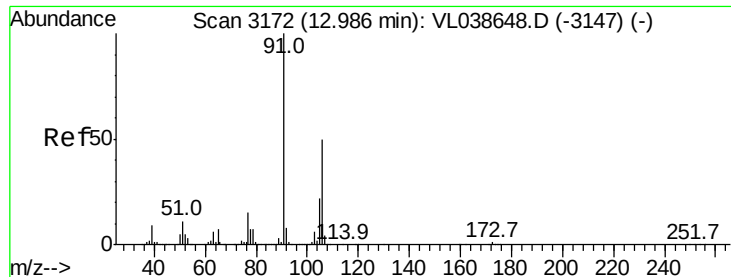
#58
Ethyl Benzene
Concen: 1.90 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL038649.D
Acq: 21 Mar 2022 13:17

Tgt Ion: 91 Resp: 595729
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.0



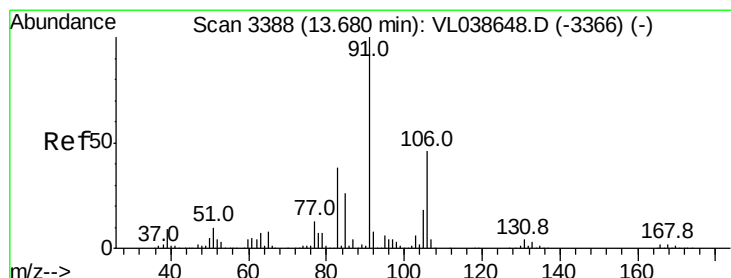
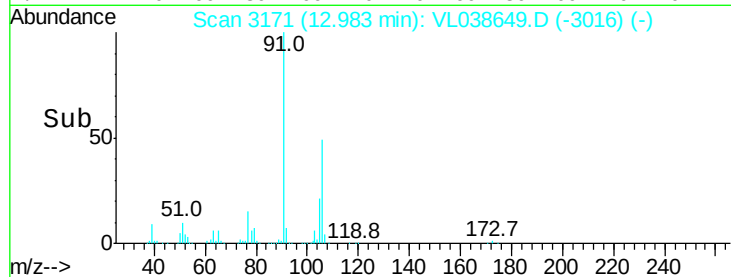
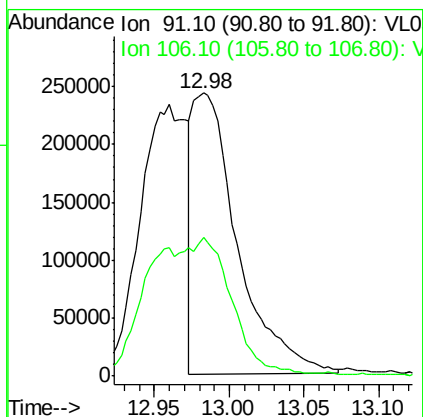
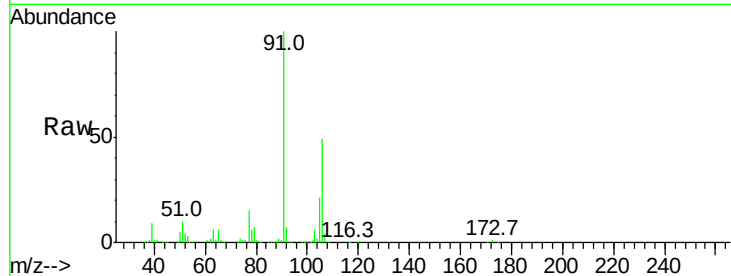
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





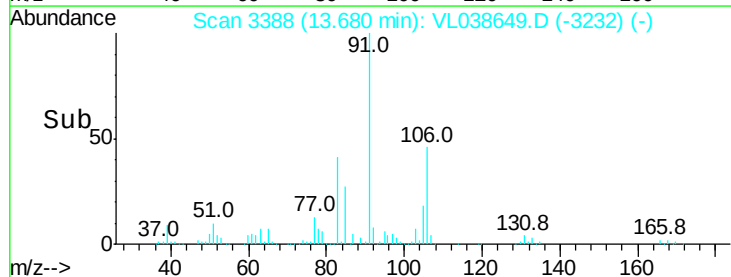
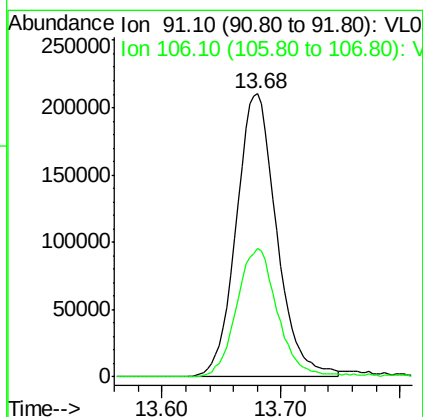
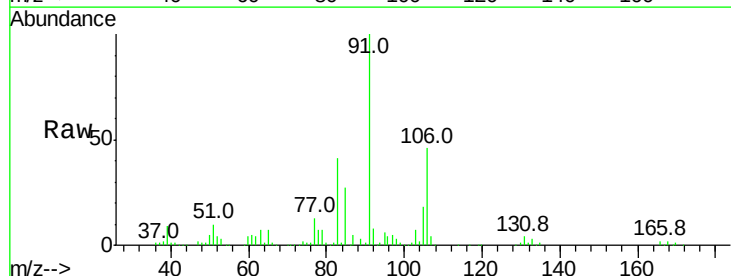
#59
m/p-Xylene
Concen: 1.87 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 21 Mar 2022 13:17

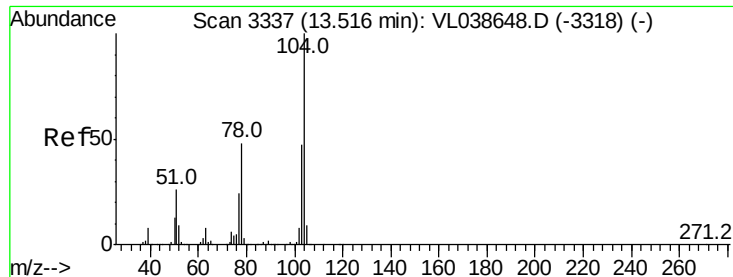
Tgt Ion: 91 Resp: 502731
Ion Ratio Lower Upper
91 100
106 93.8 37.2 55.8#



#60
o-Xylene
Concen: 1.94 ppbv
RT: 13.68 min Scan# 3388
Delta R.T.: 0.00 min
Lab File: VL038649.D
Acq: 21 Mar 2022 13:17

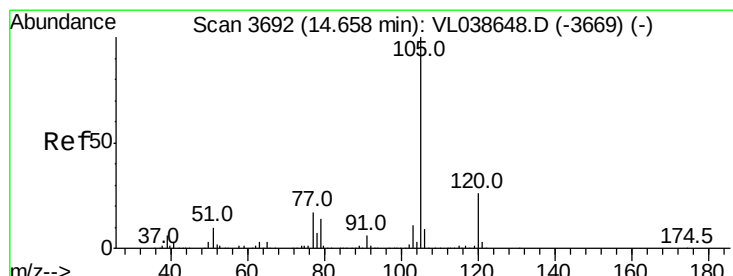
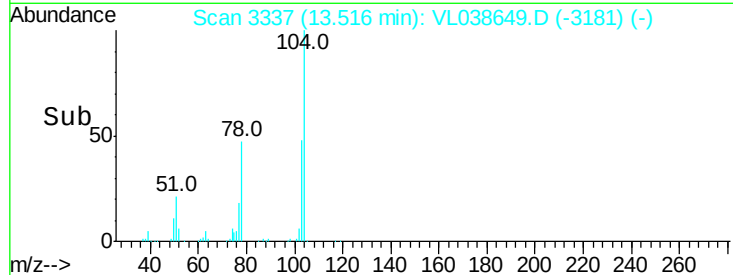
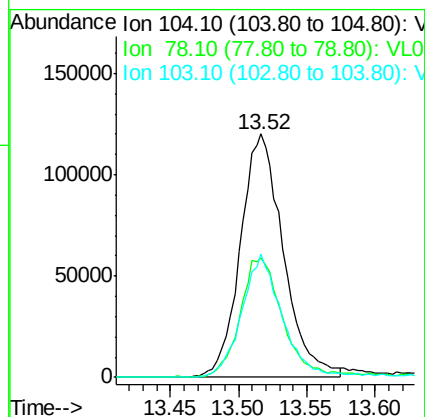
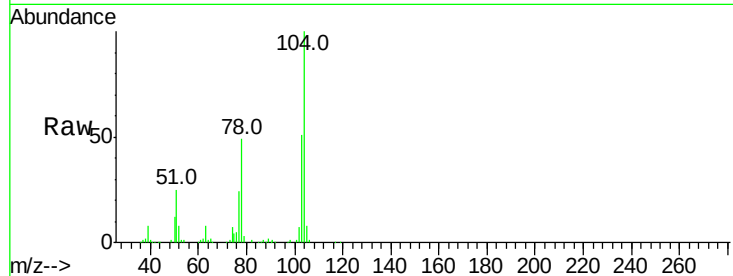
Tgt Ion: 91 Resp: 491537
Ion Ratio Lower Upper
91 100
106 46.2 23.5 70.5





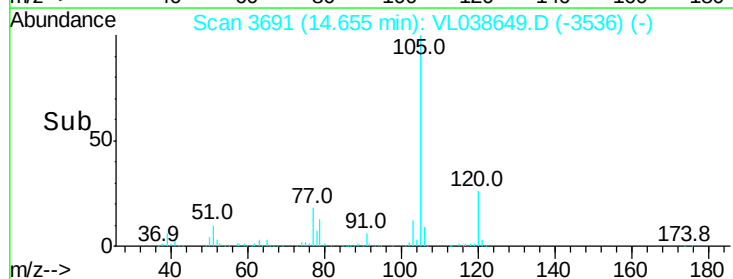
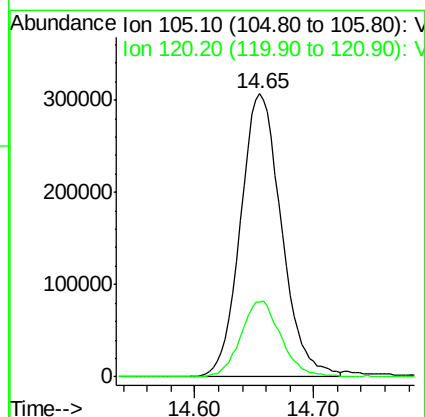
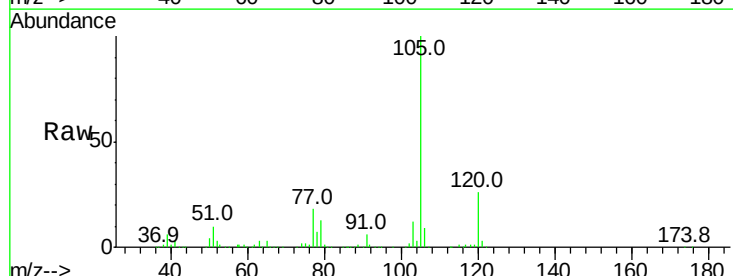
#61
Styrene
Concen: 2.10 ppbv
RT: 13.52
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Mar 2022 13:17

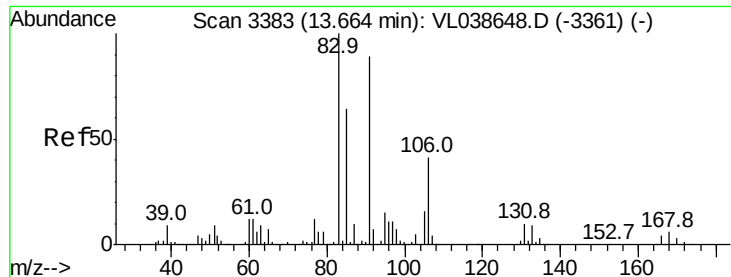
Tgt Ion:	104	Resp:	262359
Ion Ratio	Lower	Upper	
104	100		
78	50.5	39.0	58.4
103	48.6	37.8	56.8



#62
Isopropylbenzene
Concen: 2.09 ppbv
RT: 14.65 min Scan# 3691
Delta R.T.: -0.00 min
Lab File: VL038649.D
Acq: 21 Mar 2022 13:17

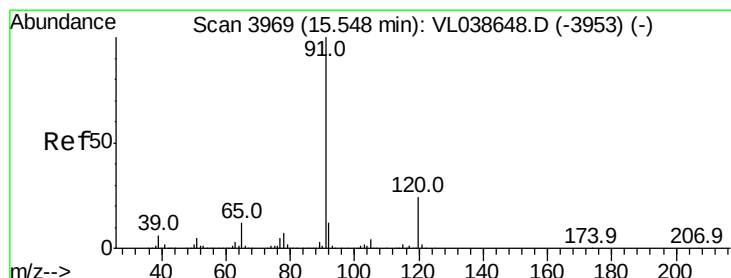
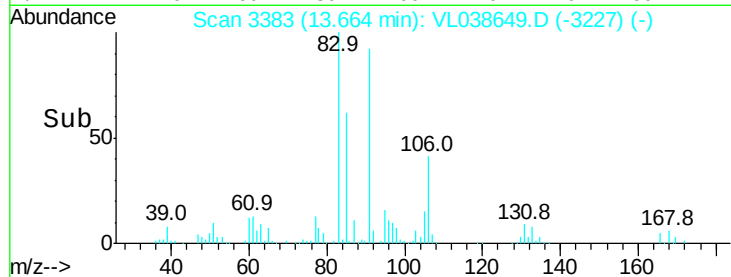
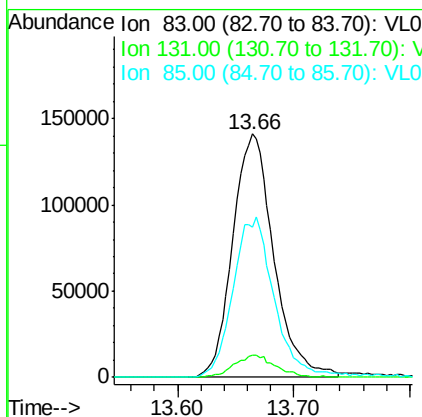
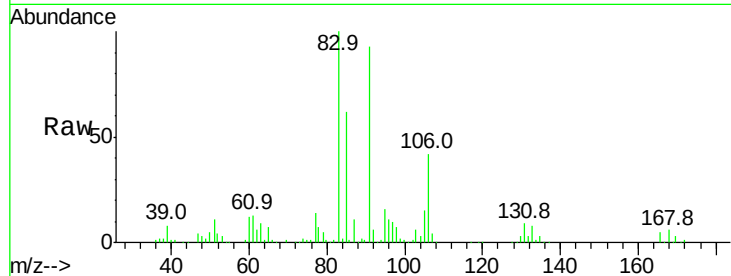
Tgt Ion:	105	Resp:	733022
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.2	31.8





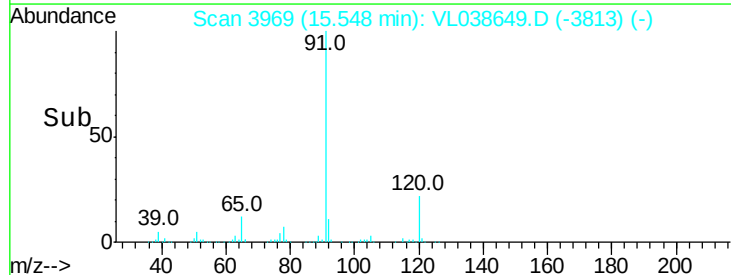
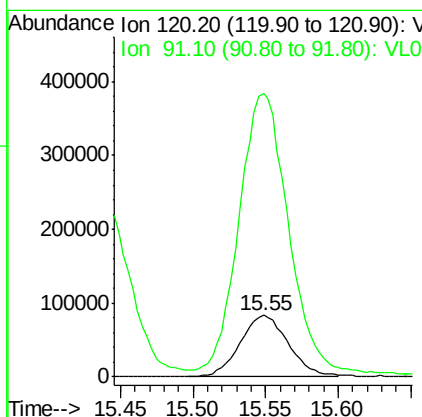
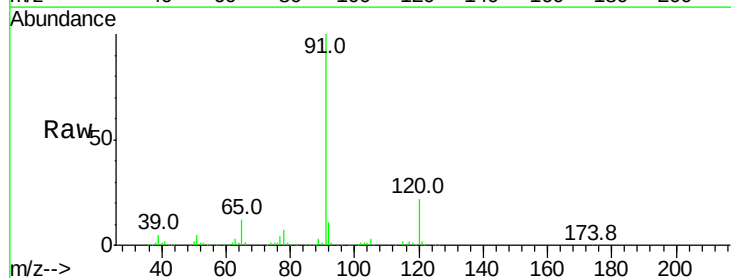
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.62 ppbv
 RT: 13.66 min
 Delta R.T. 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

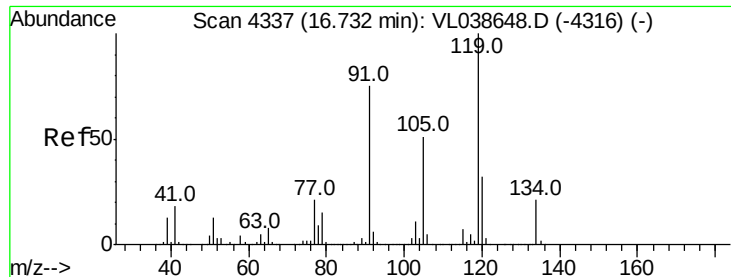
Tgt Ion: 83 Resp: 347331
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 67.0 32.6 97.8



#64
 n-propylbenzene
 Concen: 2.17 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

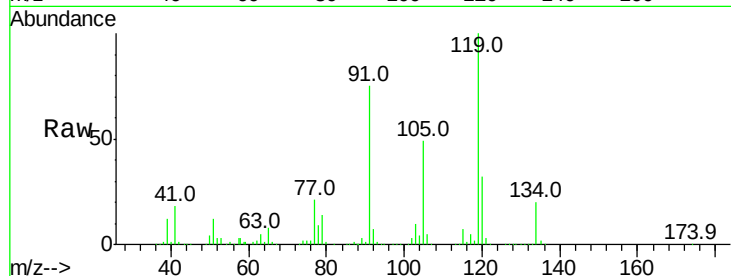
Tgt Ion: 120 Resp: 193839
 Ion Ratio Lower Upper
 120 100
 91 480.8 368.0 552.0



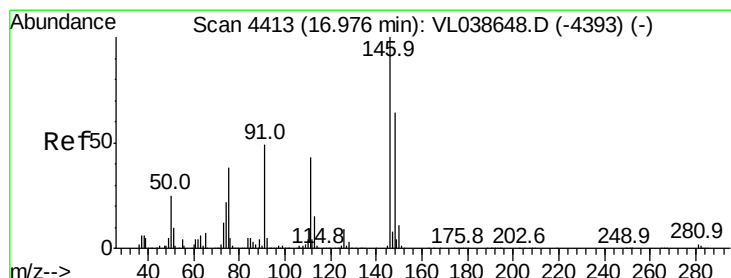
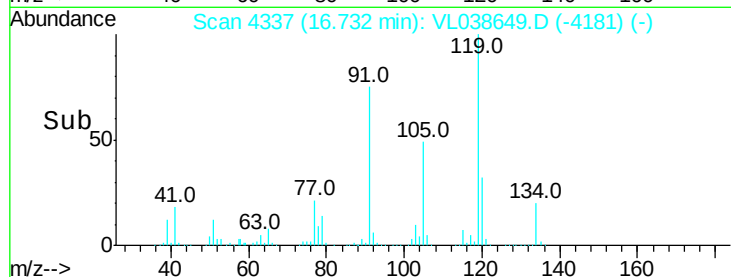
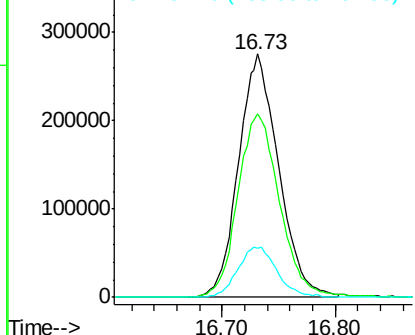


#65
 tert-Butylbenzene
 Concen: 2.17 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

Tgt Ion: 119 Resp: 679291
 Ion Ratio Lower Upper
 119 100
 91 79.2 61.2 91.8
 134 20.5 16.3 24.5

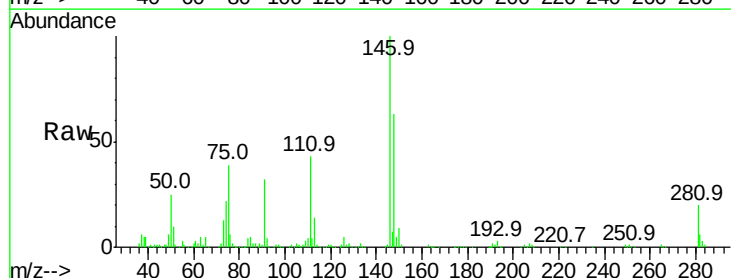


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

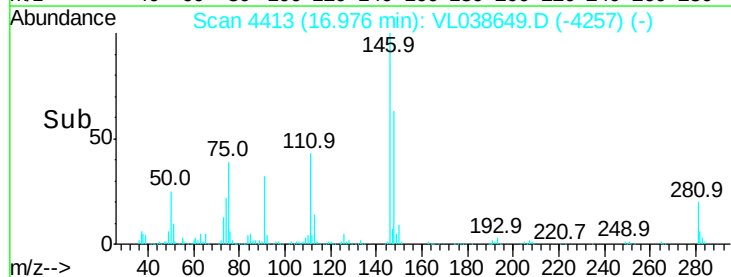
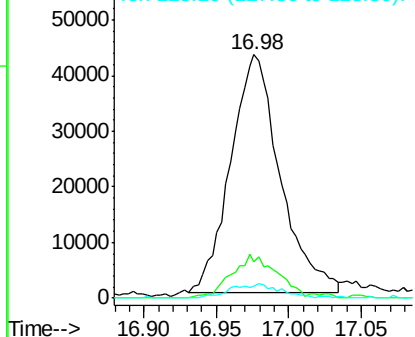


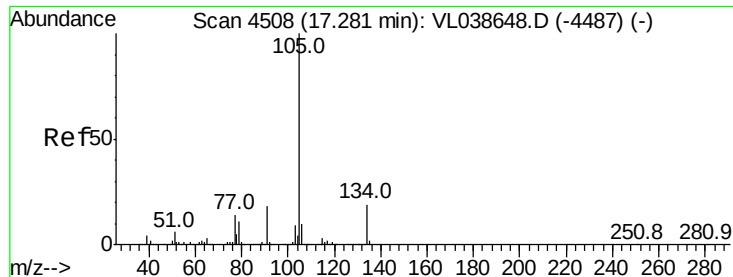
#66
 Benzyl Chloride
 Concen: 5.46 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T.: 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion: 91 Resp: 101278
 Ion Ratio Lower Upper
 91 100
 126 18.0 14.3 21.5
 128 6.1 4.6 6.8



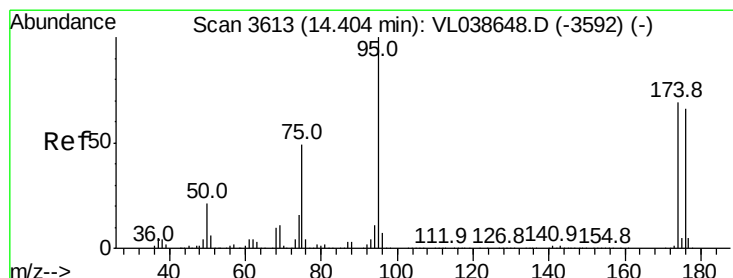
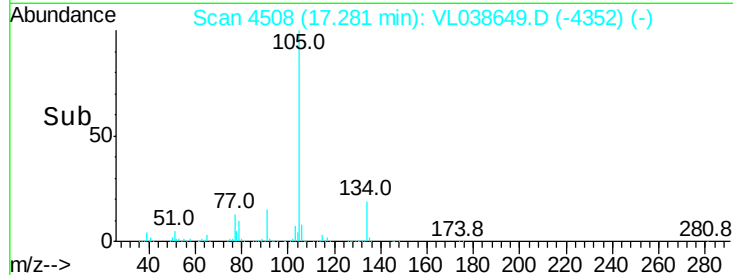
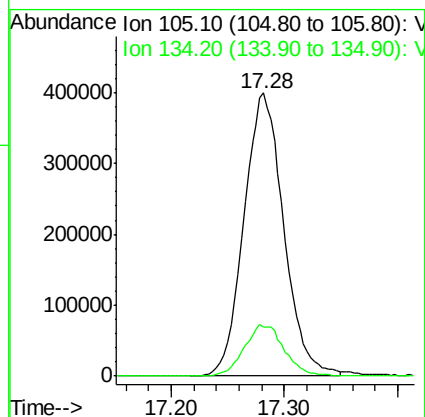
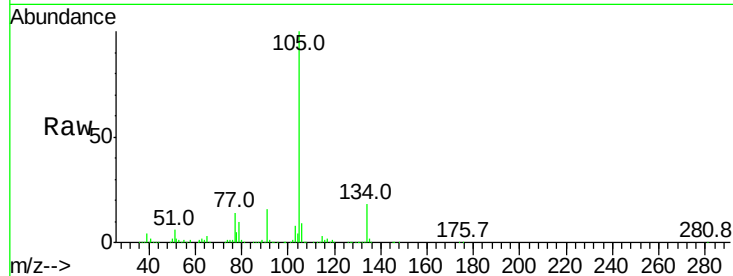
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





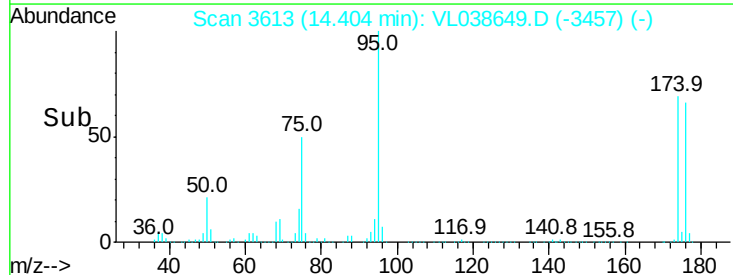
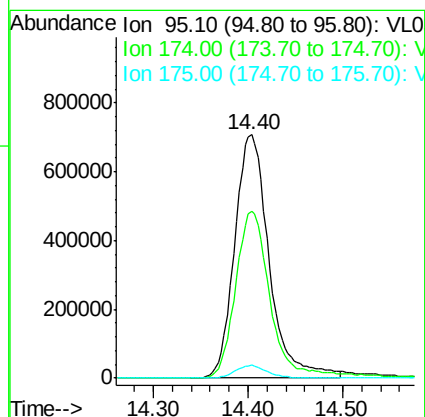
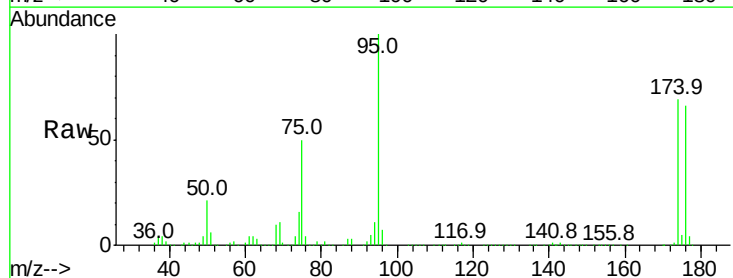
#67
 sec-Butylbenzene
 Concen: 2.18 ppbv
 RT: 17.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 21 Mar 2022 13:17

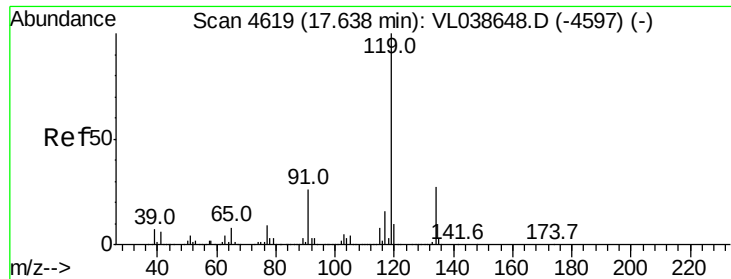
Tgt Ion: 105 Resp: 970940
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.74 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T.: 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

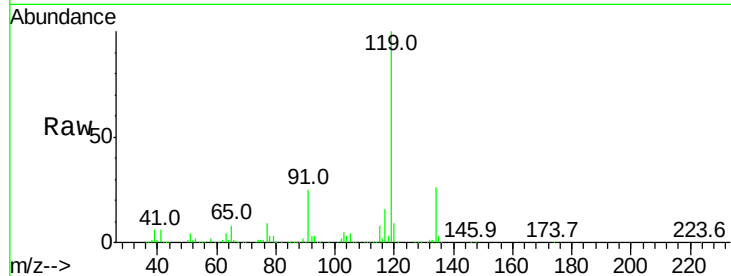
Tgt Ion: 95 Resp: 1795760
 Ion Ratio Lower Upper
 95 100
 174 70.3 56.1 84.1
 175 5.0 4.2 6.2





#69
 p-Isopropyltoluene
 Concen: 2.17 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 21 Mar 2022 13:17

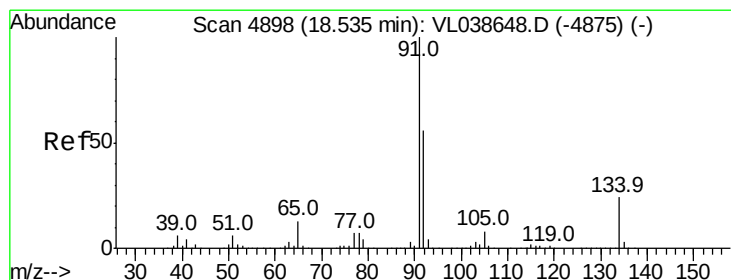
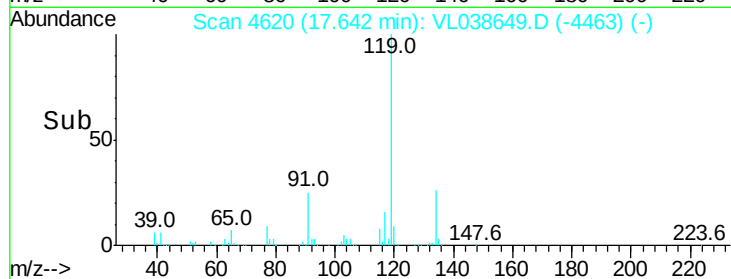
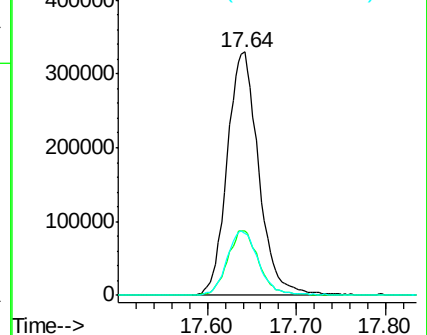
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	26.7	21.4	32.2



Abundance Ion 119.10 (118.80 to 119.80): V

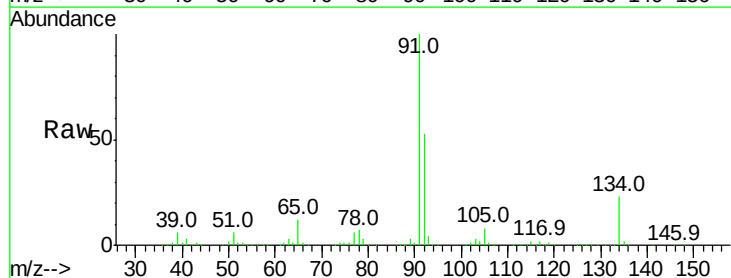
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 2.12 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T.: 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

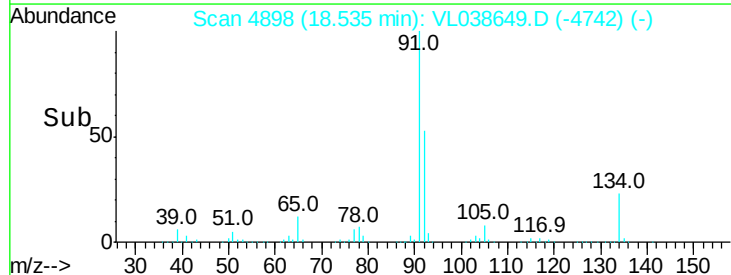
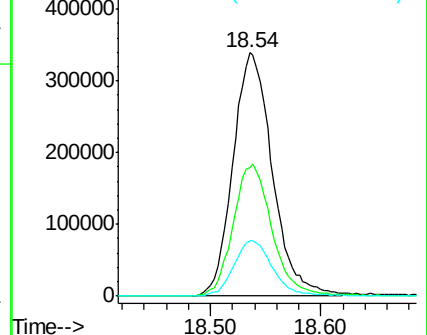
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.9	65.9
134	22.6	18.7	28.1

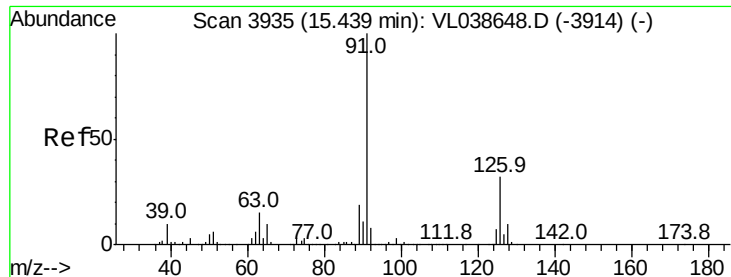


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.13 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

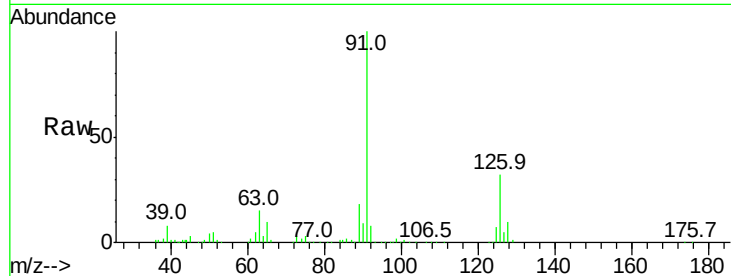
Acq: 21 Mar 2022 13:17

Tgt Ion: 91 Resp: 552666

Ion Ratio Lower Upper

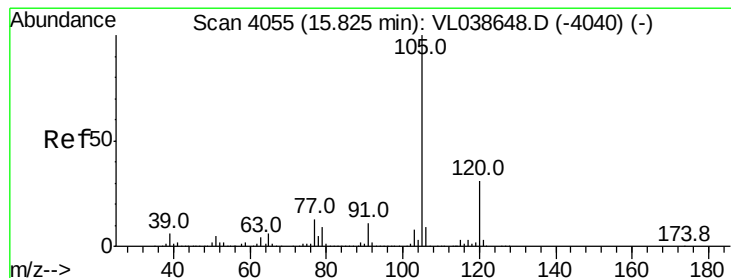
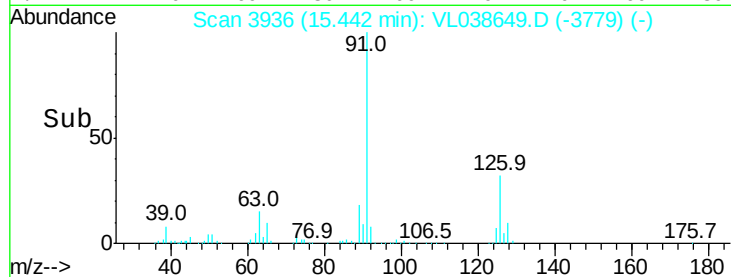
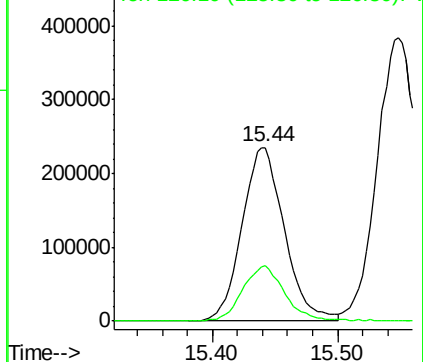
91 100

126 32.2 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.96 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

Tgt Ion: 105 Resp: 572519

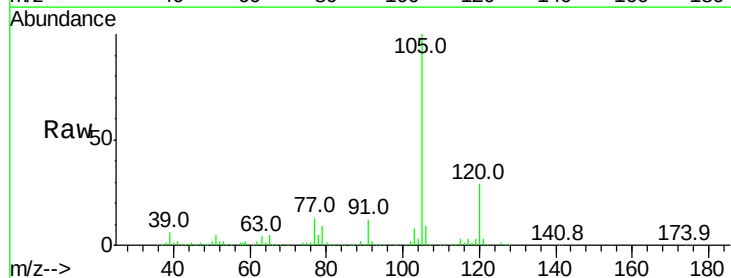
Ion Ratio Lower Upper

105 100

120 31.6 24.9 37.3

91 13.0 9.8 14.6

77 13.6 10.6 16.0

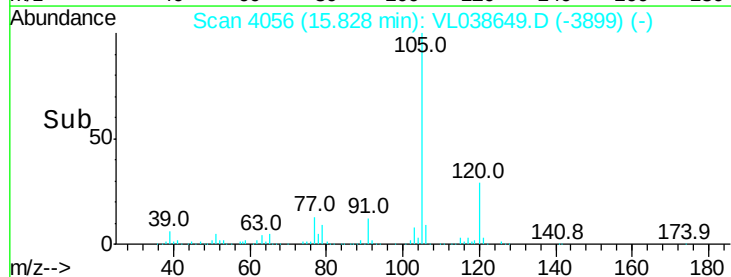
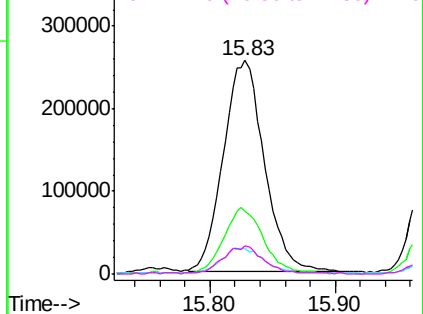


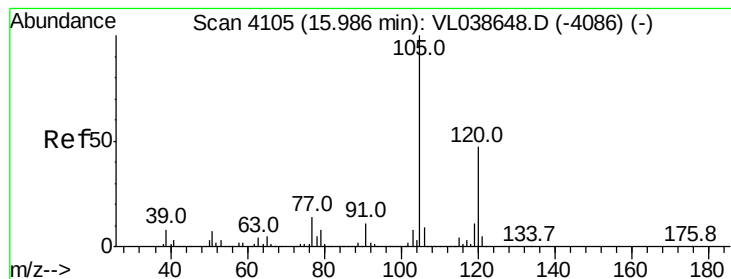
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 1.94 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

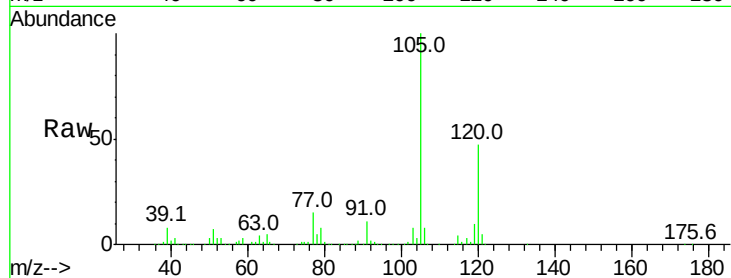
Acq: 21 Mar 2022 13:17

Tgt Ion:105 Resp: 525141

Ion Ratio Lower Upper

105 100

120 47.5 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

250000

200000

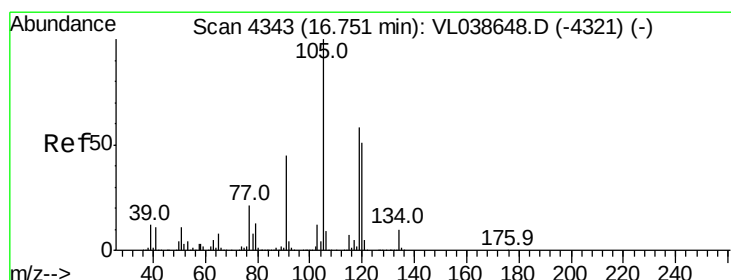
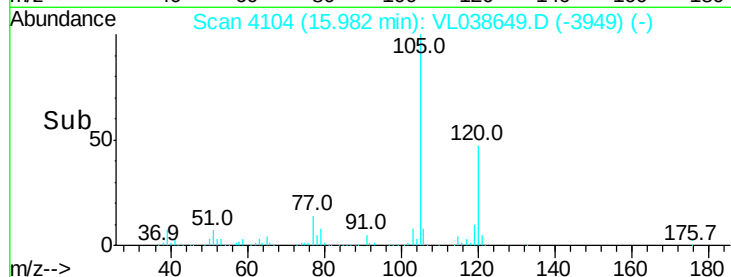
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.03 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

Tgt Ion:105 Resp: 586518

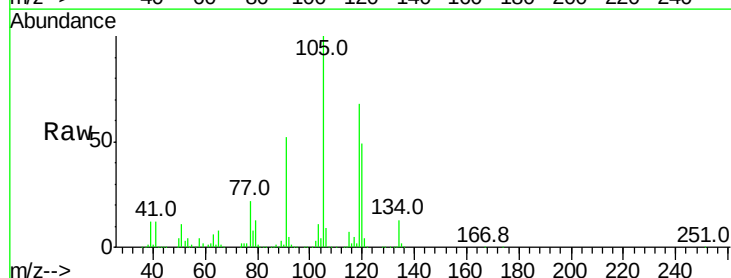
Ion Ratio Lower Upper

105 100

120 48.4 40.5 60.7

91 50.6 35.9 53.9

77 21.0 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

400000

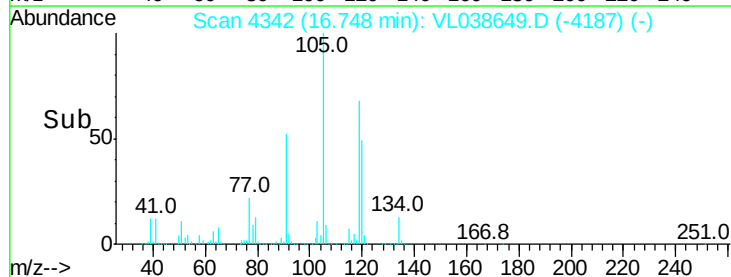
300000

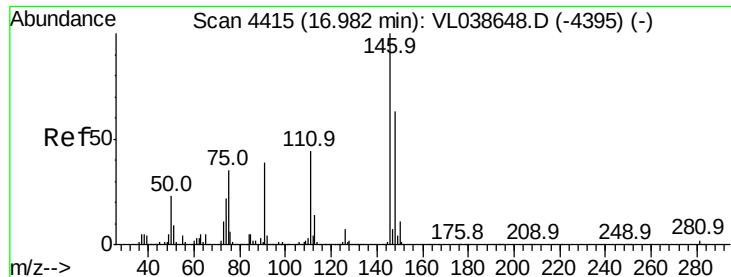
200000

100000

0

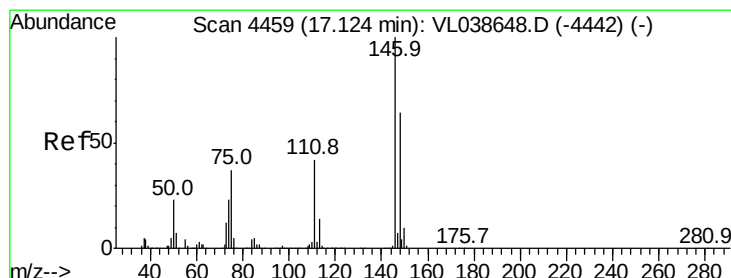
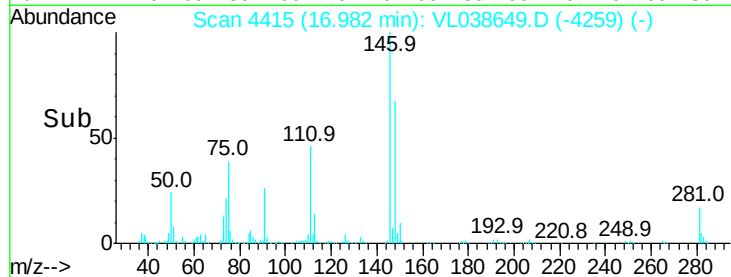
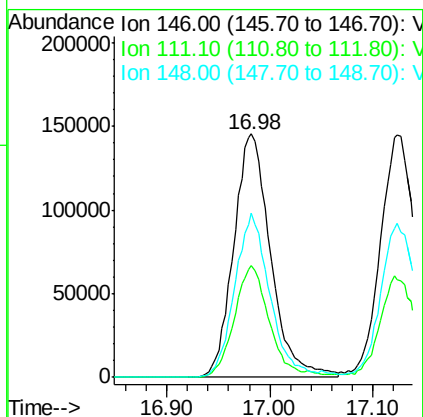
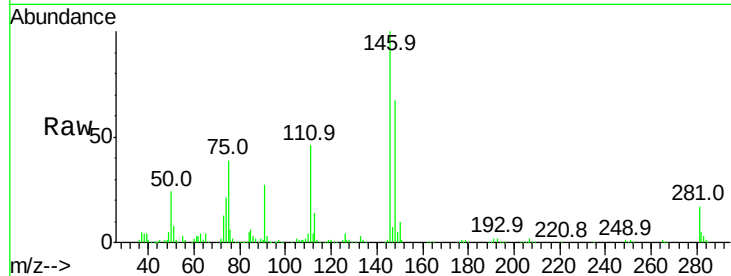
Time-->





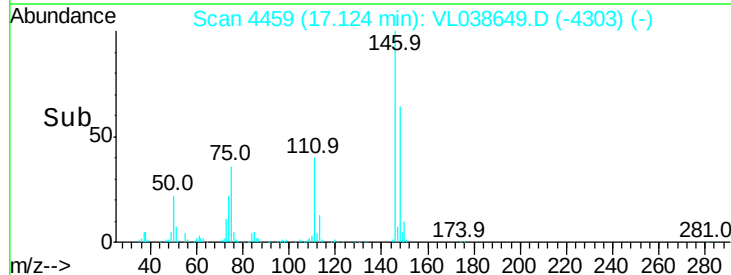
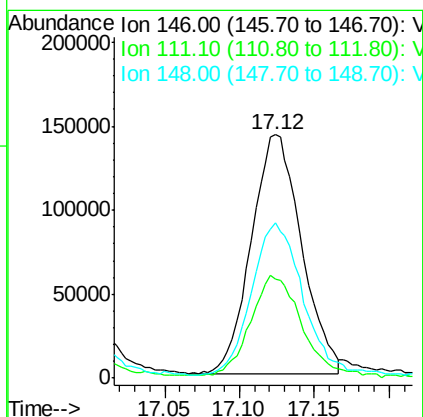
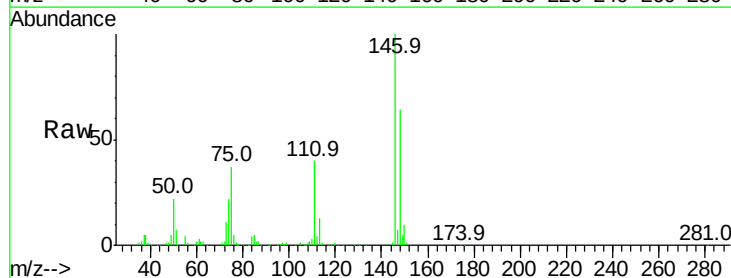
#75
 1,3-Dichlorobenzene
 Concen: 1.98 ppbv
 RT: 16.98 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled:
 VSTDIC002
 Acq: 21 Mar 2022 13:17

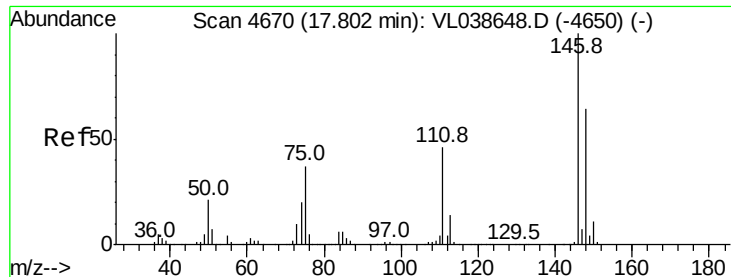
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	64.9	32.5	97.5



#76
 1,4-Dichlorobenzene
 Concen: 1.84 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T.: 0.00 min
 Lab File: VL038649.D
 Acq: 21 Mar 2022 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.4	64.2
148	69.1	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 1.91 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 21 Mar 2022 13:17

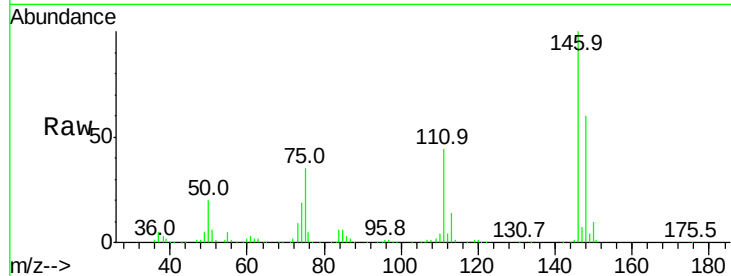
Tgt Ion:146 Resp: 352842

Ion Ratio Lower Upper

146 100

111 46.3 22.8 68.4

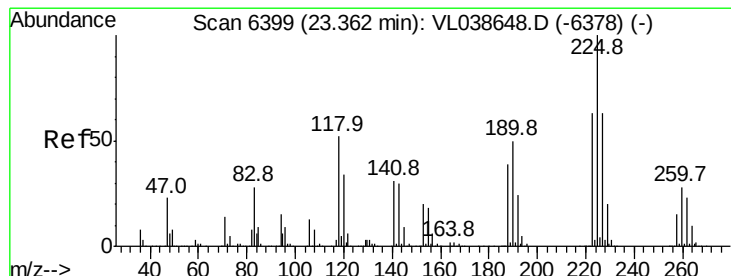
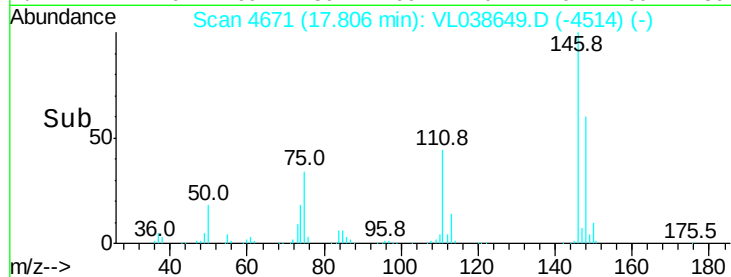
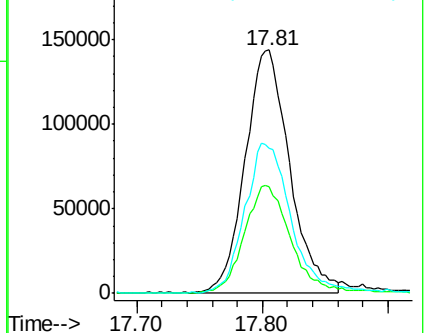
148 65.6 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 1.05 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.00 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

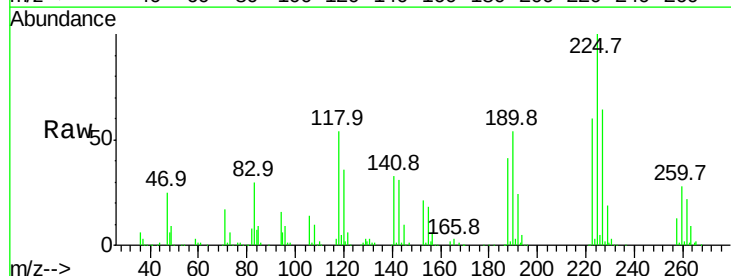
Tgt Ion:225 Resp: 189640

Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

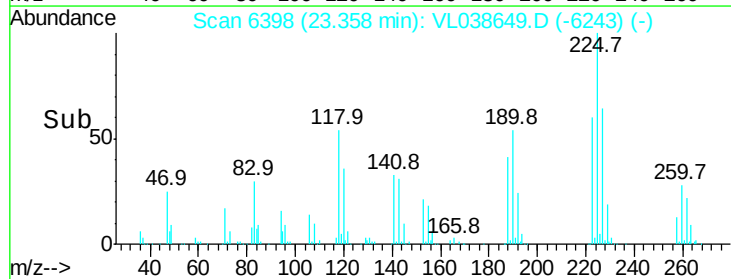
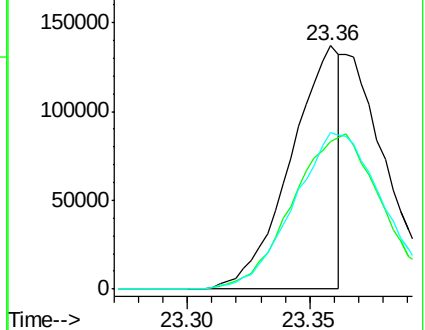
227 122.0 51.5 77.3#

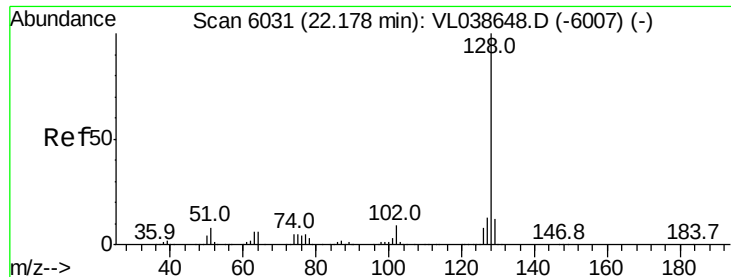


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 1.95 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:17

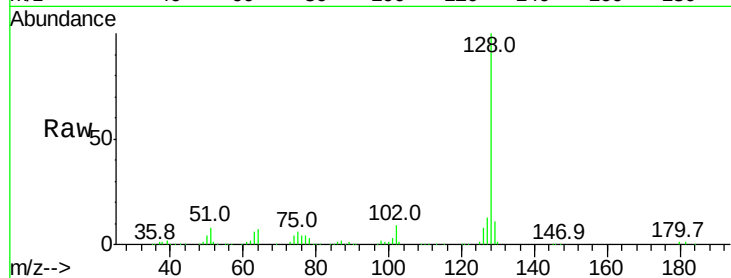
Tgt Ion:128 Resp: 505964

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

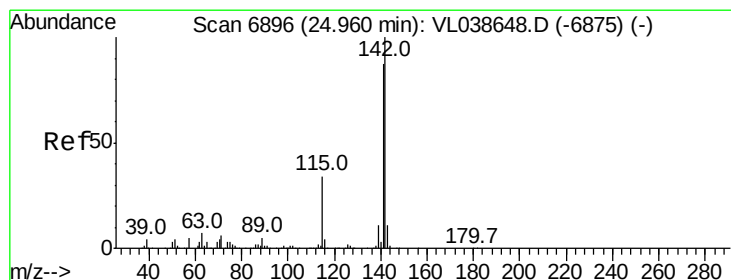
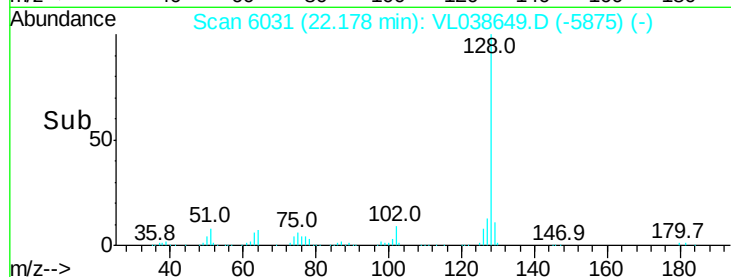
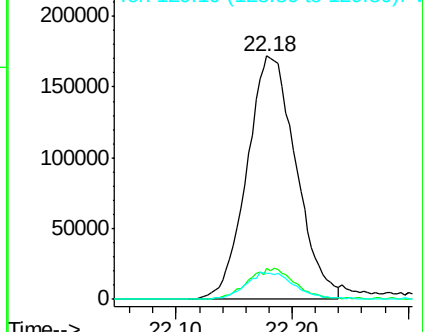
129 10.6 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 2.96 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.01 min

Lab File: VL038649.D

Acq: 21 Mar 2022 13:17

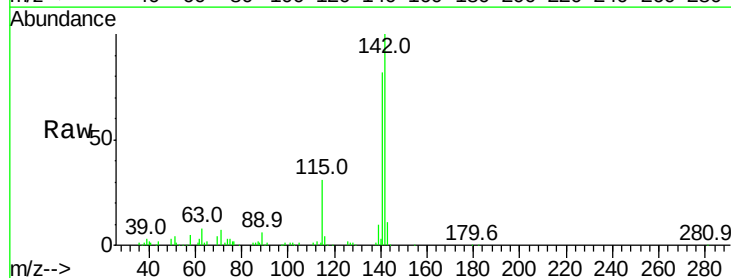
Tgt Ion:142 Resp: 135674

Ion Ratio Lower Upper

142 100

141 79.5 66.4 99.6

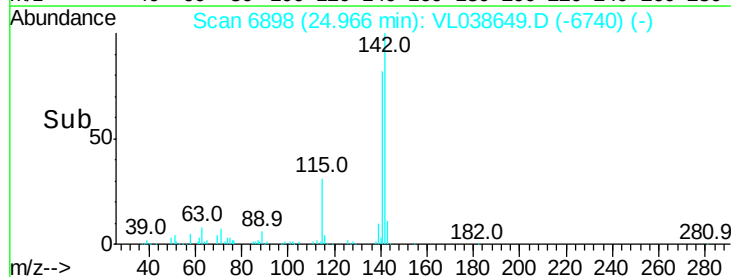
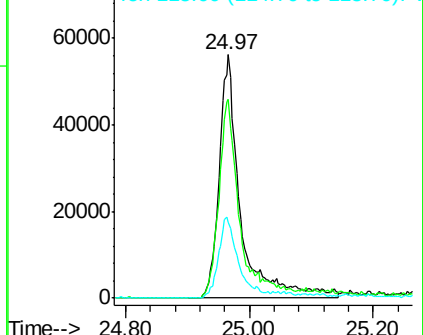
115 30.5 27.8 41.6

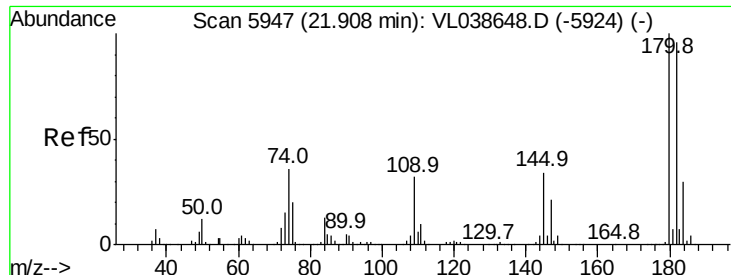


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 1.88 ppbv

RT: 21.91 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC002

Acq: 21 Mar 2022 15.17

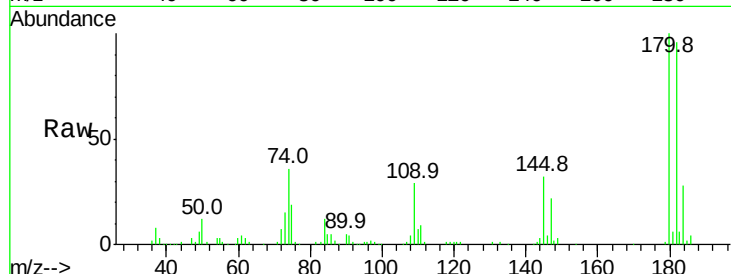
Tgt Ion:180 Resp: 313056

Ion Ratio Lower Upper

180 100

182 101.2 79.2 118.8

184 31.2 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

150000 Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

