

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038554.D
 Acq On : 8 Mar 2022 11:49
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Mar 08 13:52:03 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 13:53:01 2022

QLast Update : Tue Mar 08 13:53:01 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	914794	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2404870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2261376	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1629617	8.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	268299	1.85	ppbv	98
3) Chlorodifluoromethane	2.99	51	337693	2.09	ppbv	99
4) Chloromethane	3.14	50	119603	2.13	ppbv	99
5) Vinyl Chloride	3.26	62	118501	2.02	ppbv	98
6) Bromomethane	3.47	94	65237	2.11	ppbv	95
7) Chloroethane	3.56	64	37765	2.00	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	270035	2.00	ppbv	96
9) Propene	3.01	41	122031	2.29	ppbv	98
10) Heptane	8.11	43	292869	2.26	ppbv	97
11) Trichlorofluoromethane	3.94	101	250618	1.81	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	202475	1.99	ppbv	98
13) Ethanol	3.61	45	7787	1.46	ppbv #	38
14) Bromoethene	3.74	108	81067	2.00	ppbv	93
15) Acetone	3.85	43	136243	1.75	ppbv	100
16) 1,3-Butadiene	3.33	39	104792	2.02	ppbv	95
17) tert-Butyl alcohol	4.29	59	128725	1.66	ppbv	99
18) 1,1-Dichloroethene	4.29	96	85590	1.92	ppbv	97
19) Isopropyl Alcohol	3.97	45	68476	1.52	ppbv #	91
20) Methylene Chloride	4.34	84	76196	1.98	ppbv	97
21) Allyl Chloride	4.40	41	129252	1.97	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	88969	1.97	ppbv	100
23) Vinyl Acetate	5.07	43	189227	1.84	ppbv	98
24) 1,1-Dichloroethane	5.00	63	176933	1.91	ppbv	98
25) Ethyl Acetate	5.67	43	467129	2.23	ppbv	99
26) Hexane	5.68	57	221111	2.34	ppbv	98
27) Carbon Disulfide	4.54	76	209166	1.99	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	183827	1.91	ppbv	100
29) Chloroform	5.74	83	328125	2.12	ppbv	97
30) Cyclohexane	7.12	84	184773	2.39	ppbv	89
31) cis-1,2-Dichloroethene	5.54	61	200500	2.19	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	313138	2.02	ppbv	99
34) 2-Butanone	5.24	43	133794	1.77	ppbv	97
35) Carbon Tetrachloride	7.01	117	323098	1.91	ppbv	98
36) Benzene	6.88	78	459283	2.17	ppbv	98
37) 1,2-Dichloroethane	6.29	62	218839	1.79	ppbv	98
38) Trichloroethene	7.83	130	169767	2.20	ppbv	97
39) 1,2-Dichloropropane	7.60	63	176648	2.09	ppbv	95
40) 1,4-Dioxane	7.83	88	21366	1.07	ppbv #	1
41) Tetrahydrofuran	6.05	42	99620	1.95	ppbv	94
42) Bromodichloromethane	7.78	83	347442	1.97	ppbv	97
43) Methyl Methacrylate	8.01	69	156816	2.13	ppbv	98

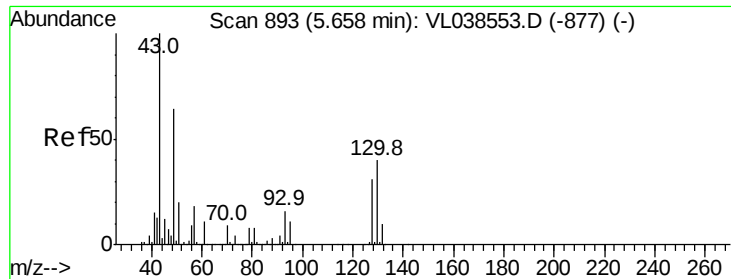
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038554.D
 Acq On : 8 Mar 2022 11:49
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Mar 08 13:52:03 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 13:53:01 2022
 QLast Update : Tue Mar 08 13:53:01 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	797057	2.19	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	108047	1.84	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	148808	1.93	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	178707	2.13	ppbv	98
48) Dibromochloromethane	10.29	129	286380	2.09	ppbv	99
49) Bromoform	13.02	173	218240	2.16	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	274978	2.06	ppbv	100
51) 2-Hexanone	10.13	43	109054	1.82	ppbv	97
52) Tetrachloroethene	11.21	164	162313	2.31	ppbv	99
53) Toluene	9.79	91	499095	2.17	ppbv	99
54) 1,2-Dibromoethane	10.60	107	242708	2.06	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	192930	2.05	ppbv #	1
57) Chlorobenzene	12.13	112	355568	2.04	ppbv	98
58) Ethyl Benzene	12.70	91	628273	2.03	ppbv	100
59) m/p-Xylene	12.98	91	363758	1.37	ppbv #	1
60) o-Xylene	13.68	91	501992	2.00	ppbv	99
61) Styrene	13.51	104	246497	2.13	ppbv	99
62) Isopropylbenzene	14.65	105	696516	2.07	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	192999	0.95	ppbv #	25
64) n-propylbenzene	15.54	120	177472	2.13	ppbv	91
65) tert-Butylbenzene	16.73	119	637383	2.18	ppbv	99
66) Benzyl Chloride	16.97	91	12299	0.78	ppbv #	50
67) sec-Butylbenzene	17.28	105	906280	2.19	ppbv	99
69) p-Isopropyltoluene	17.63	119	743897	2.29	ppbv	98
70) n-Butylbenzene	18.54	91	797590	2.37	ppbv	99
71) 2-Chlorotoluene	15.44	91	522582	2.02	ppbv	98
72) 4-Ethyltoluene	15.82	105	579223	2.09	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	528556	2.10	ppbv	96
74) 1,2,4-Trimethylbenzene	16.75	105	589339	2.22	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	349794	2.35	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	334418	2.28	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	359102	2.51	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	358482	3.29	ppbv	99
79) Naphthalene	22.18	128	549511	3.82	ppbv	97
80) Naphthalene,2-methyl-	24.96	142	83000	2.96	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	326999	3.76	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 8 Mar 2022 11:49

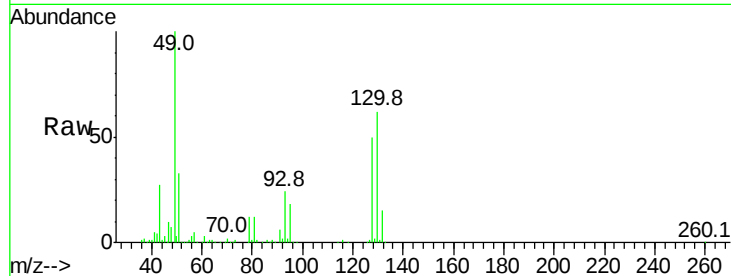
Tgt Ion: 49 Resp: 914794

Ion Ratio Lower Upper

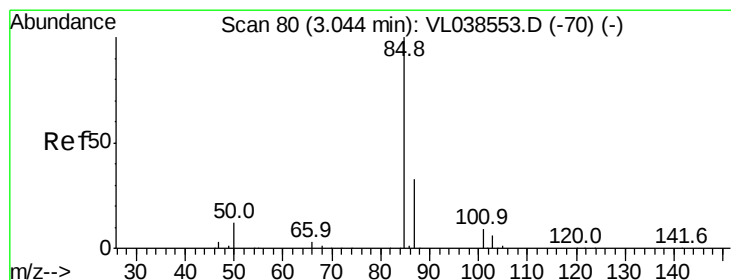
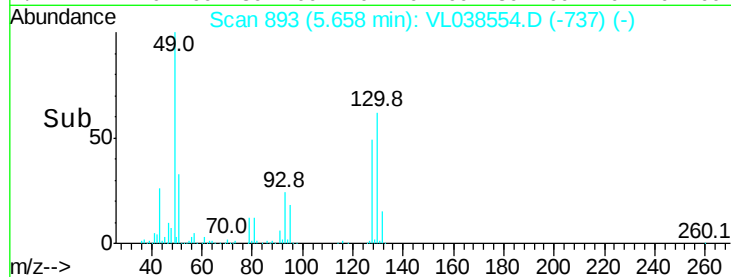
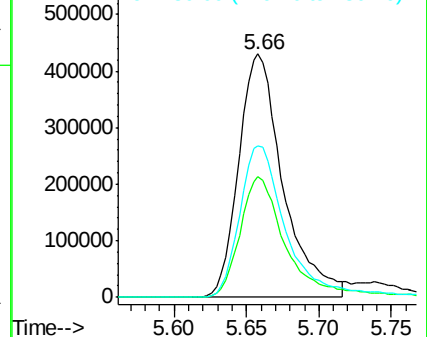
49 100

128 53.5 26.4 79.2

130 67.7 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: 1.85 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL038554.D

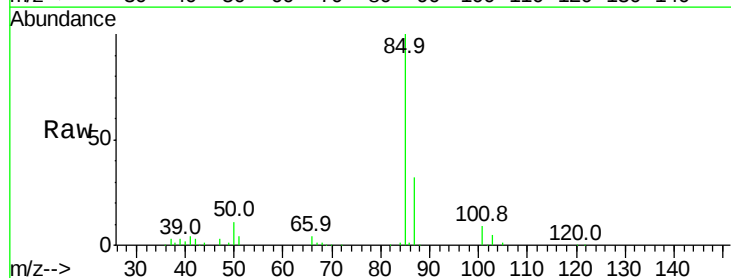
Acq: 8 Mar 2022 11:49

Tgt Ion: 85 Resp: 268299

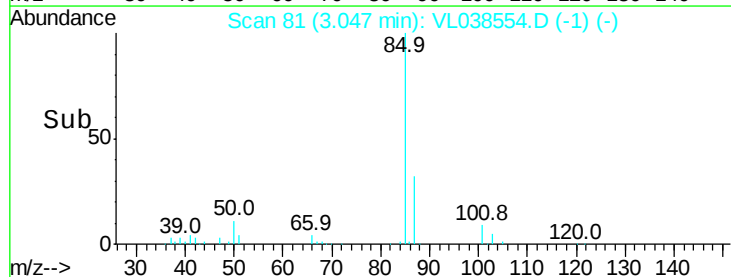
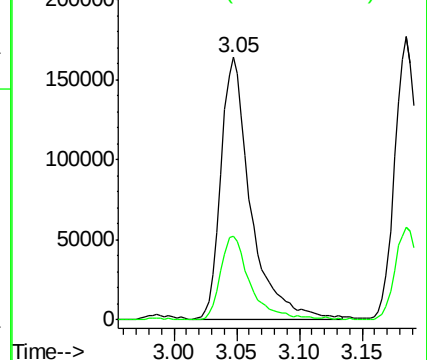
Ion Ratio Lower Upper

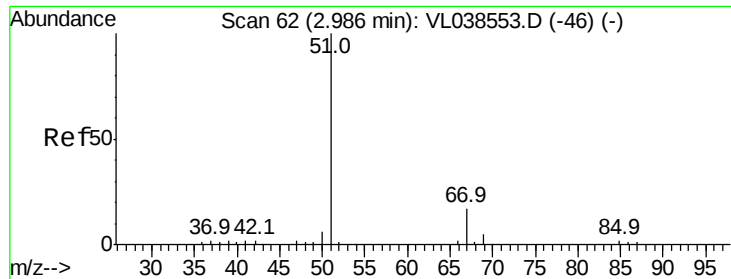
85 100

87 31.8 26.2 39.2



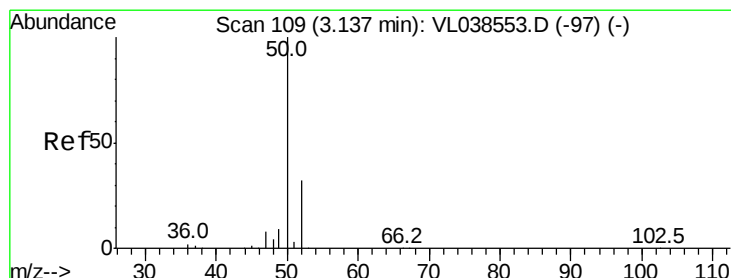
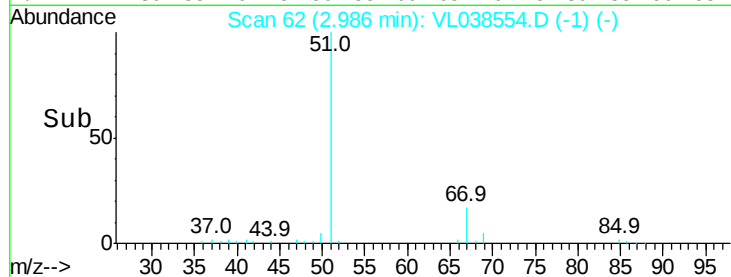
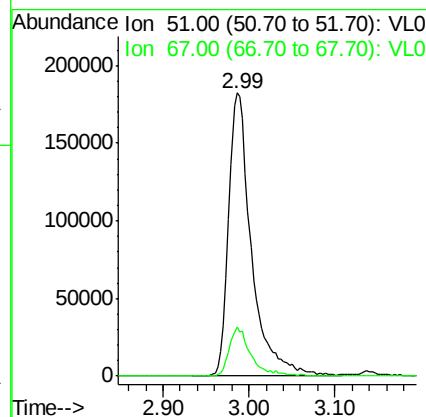
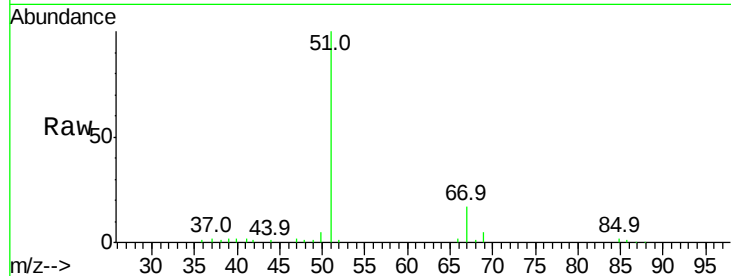
Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





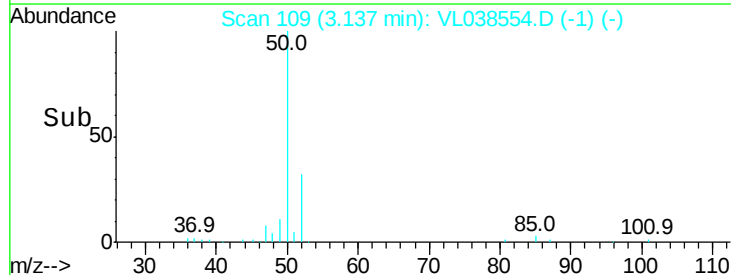
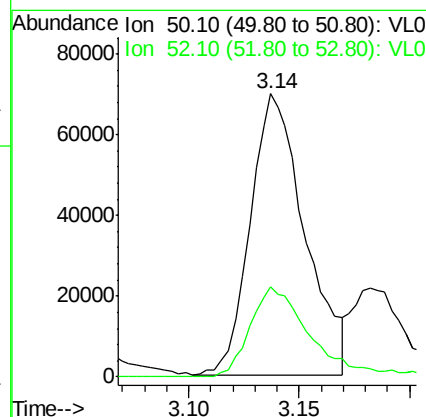
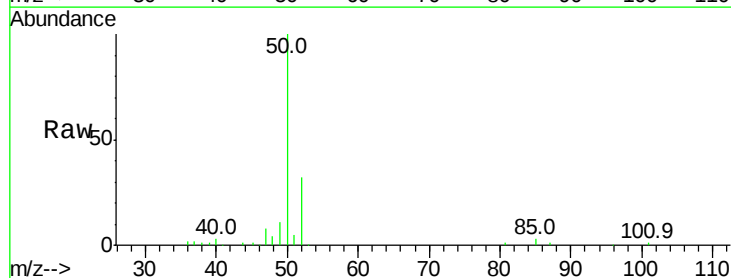
#3
 Chlorodifluoromethane
 Concen: 2.09 ppbv
 RT: 2.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 8 Mar 2022 11:49

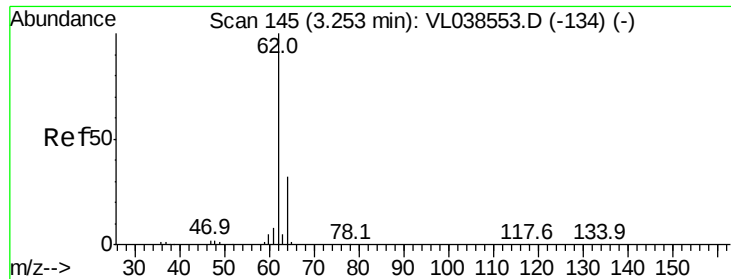
Tgt Ion: 51 Resp: 337693
 Ion Ratio Lower Upper
 51 100
 67 16.6 13.6 20.4



#4
 Chloromethane
 Concen: 2.13 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T.: -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion: 50 Resp: 119603
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.6 38.4





#5

Vinyl Chloride

Concen: 2.02 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

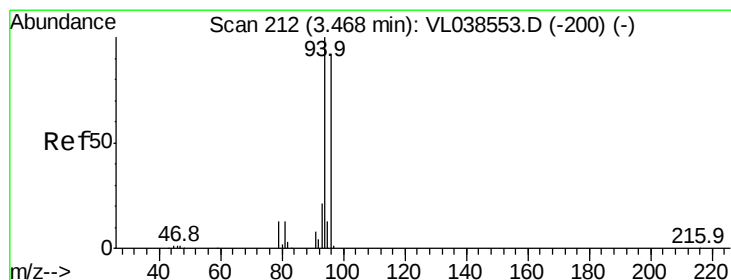
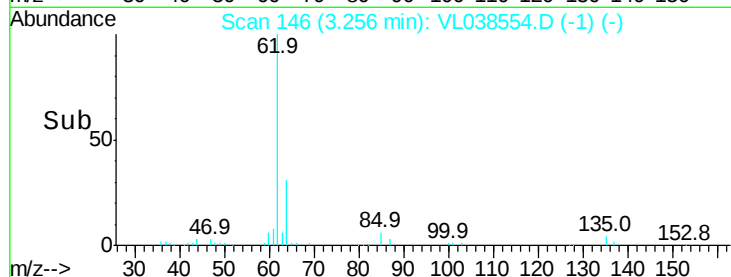
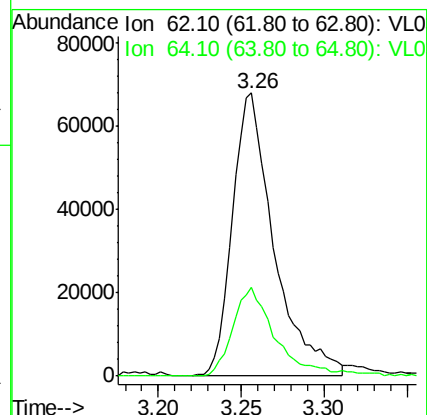
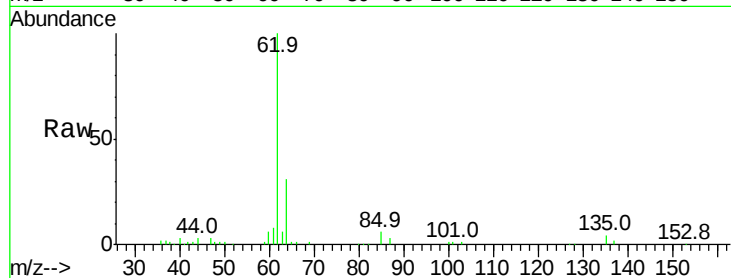
Acq: 8 Mar 2022 11:49

Tgt Ion: 62 Resp: 118501

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.6



#6

Bromomethane

Concen: 2.11 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL038554.D

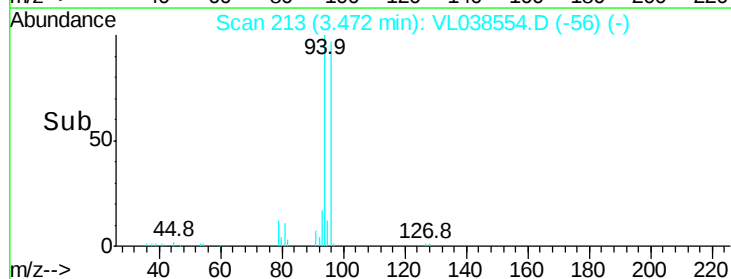
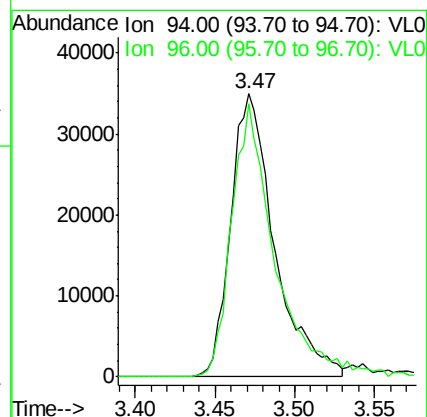
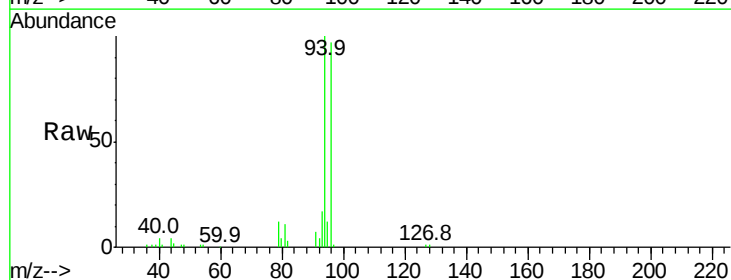
Acq: 8 Mar 2022 11:49

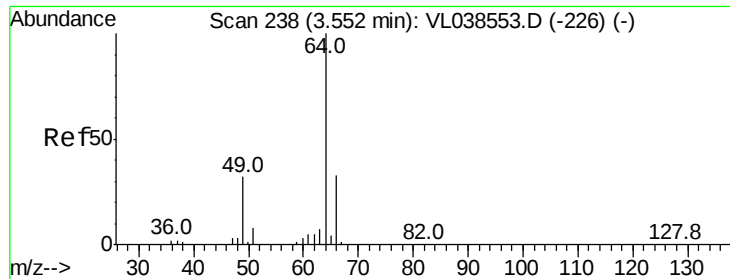
Tgt Ion: 94 Resp: 65237

Ion Ratio Lower Upper

94 100

96 96.6 73.7 110.5





#7

Chloroethane

Concen: 2.00 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

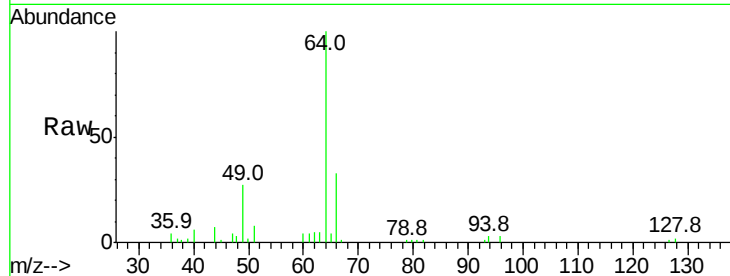
Acq: 8 Mar 2022 11:49

Tgt Ion: 64 Resp: 37765

Ion Ratio Lower Upper

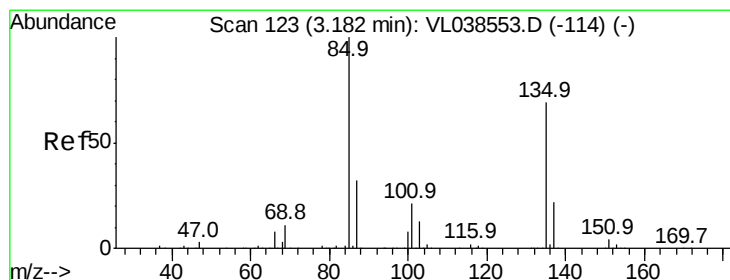
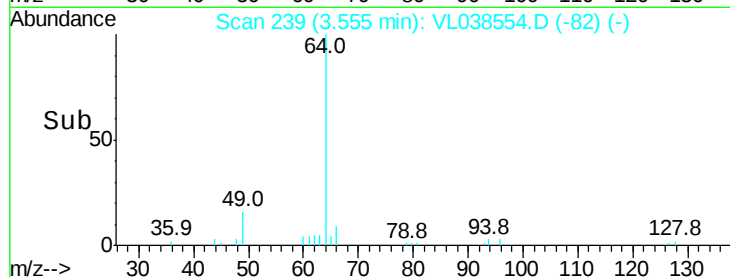
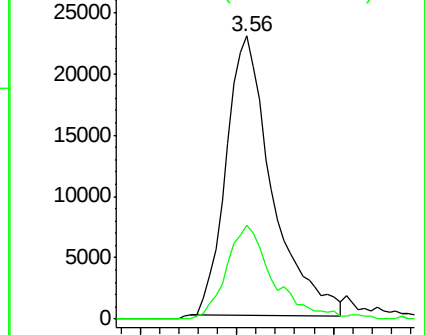
64 100

66 33.2 26.6 39.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.00 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL038554.D

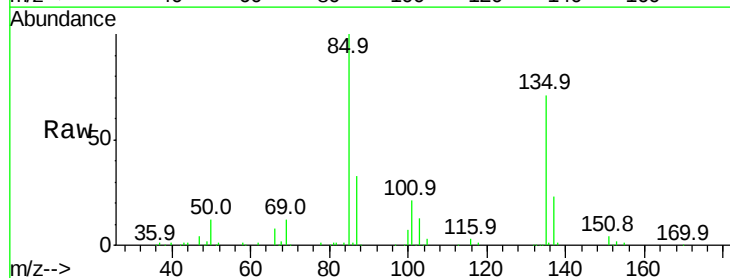
Acq: 8 Mar 2022 11:49

Tgt Ion: 85 Resp: 270035

Ion Ratio Lower Upper

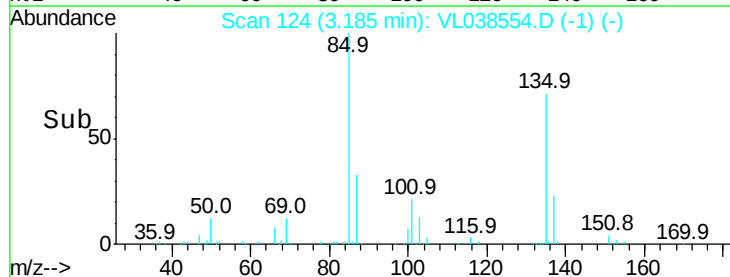
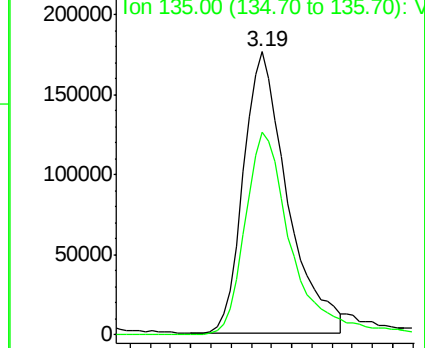
85 100

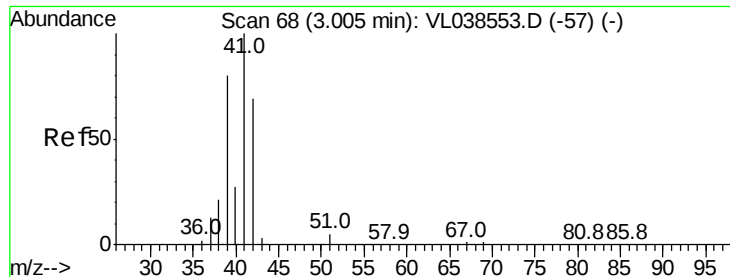
135 77.3 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.29 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

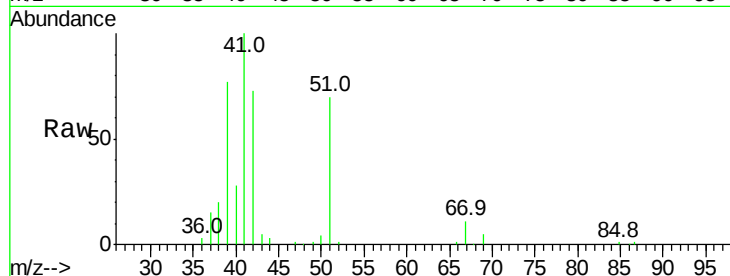
Acq: 8 Mar 2022 11:49 VSTDIC002

Tgt Ion: 41 Resp: 122031

Ion Ratio Lower Upper

41 100

42 71.4 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

80000

60000

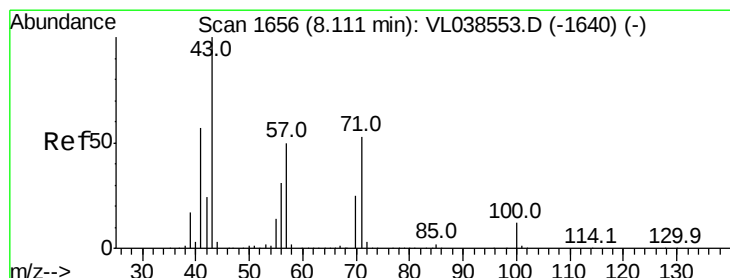
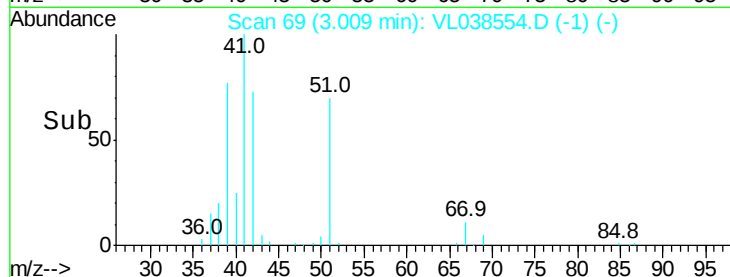
40000

20000

0

Time-->

2.95 3.00 3.05 3.10



#10

Heptane

Concen: 2.26 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL038554.D

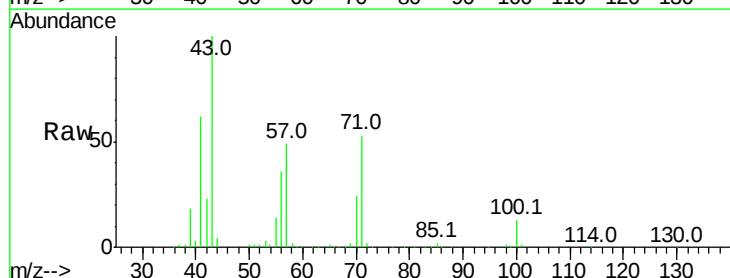
Acq: 8 Mar 2022 11:49

Tgt Ion: 43 Resp: 292869

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

8.11

150000

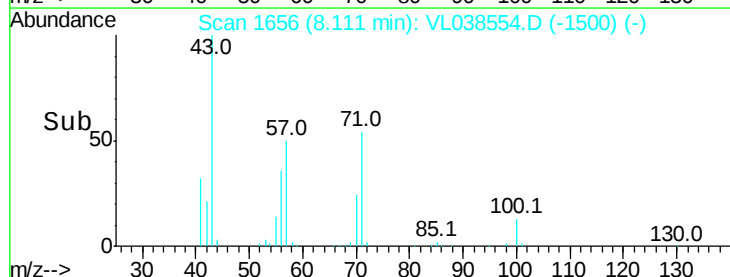
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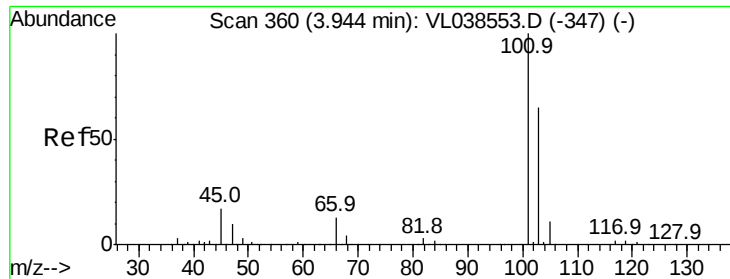
50000

0

Time-->

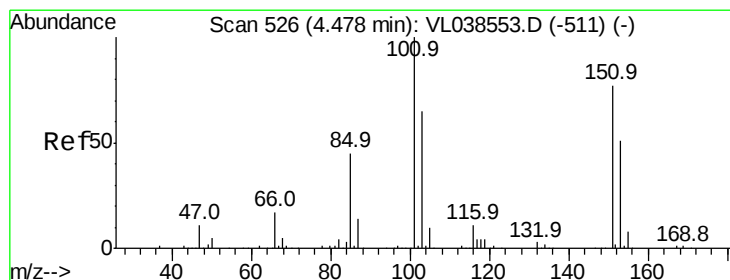
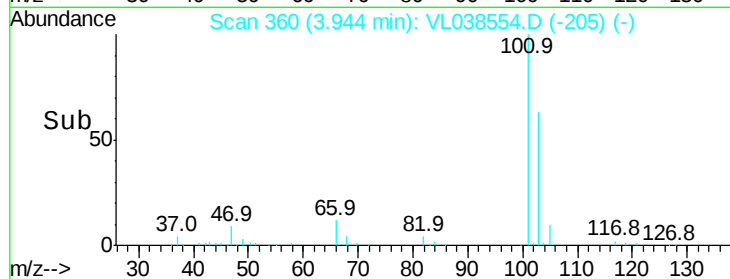
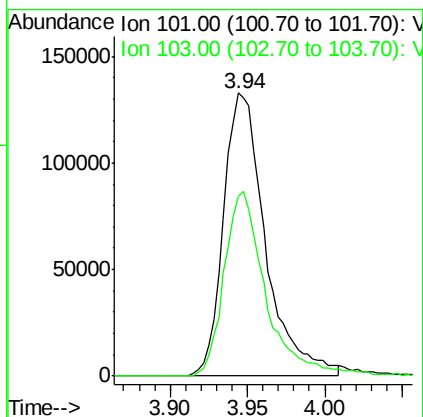
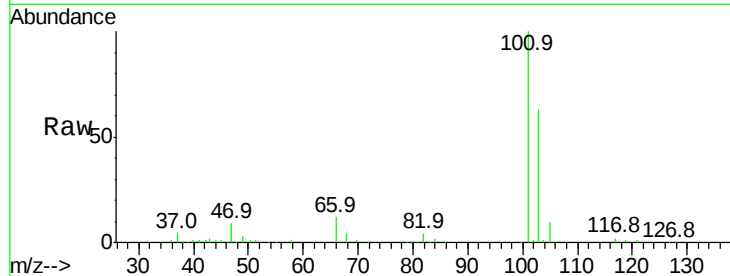
8.00 8.10 8.20





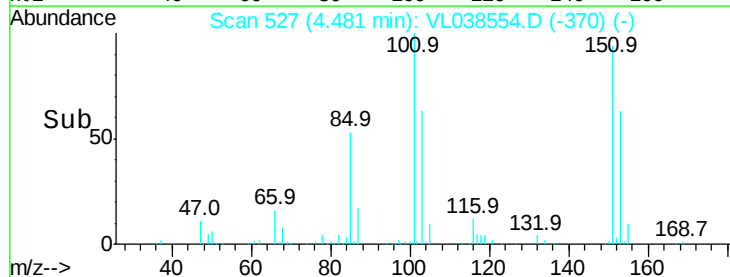
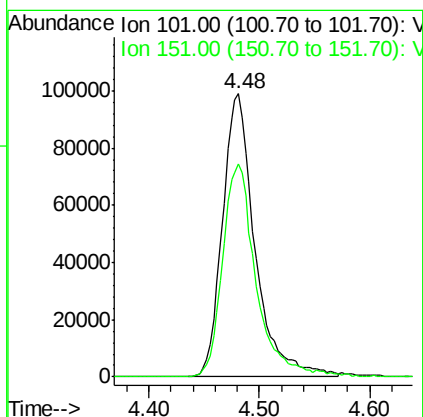
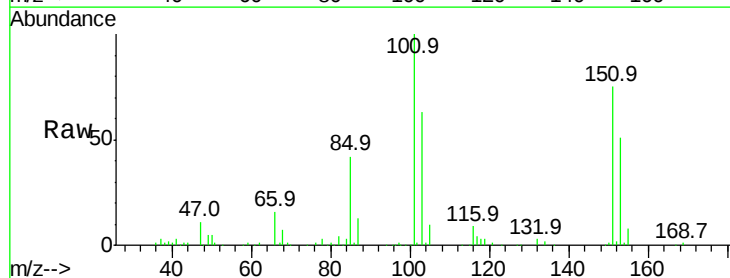
#11
 Trichlorofluoromethane
 Concen: 1.81 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:49

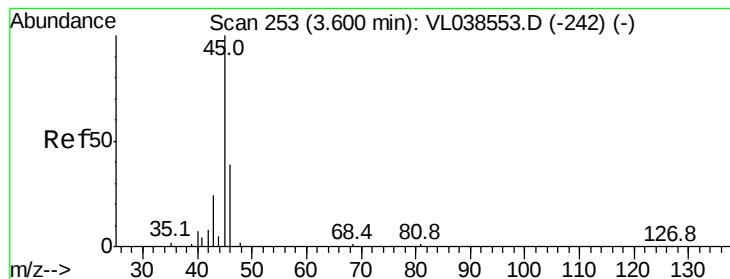
Tgt Ion:101 Resp: 250618
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.99 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion:101 Resp: 202475
 Ion Ratio Lower Upper
 101 100
 151 77.3 63.4 95.0





#13

Ethanol

Concen: 1.46 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

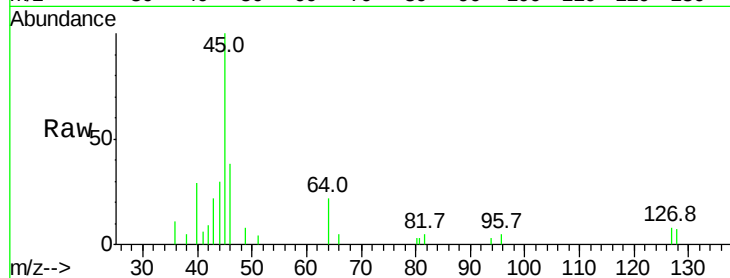
Acq: 8 Mar 2022 11:49 VSTDIC002

Tgt Ion: 45 Resp: 7787

Ion Ratio Lower Upper

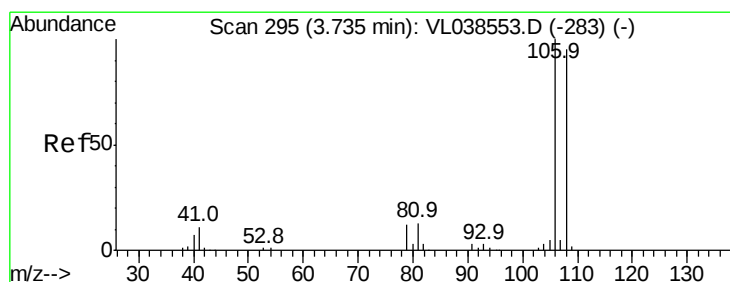
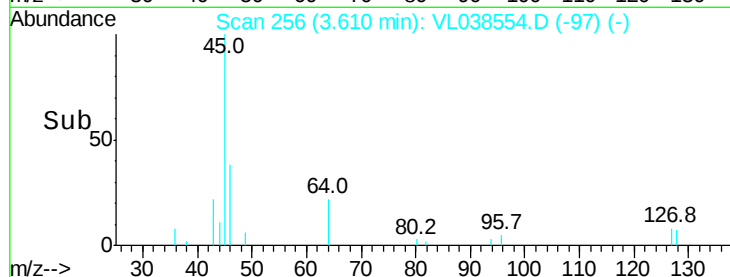
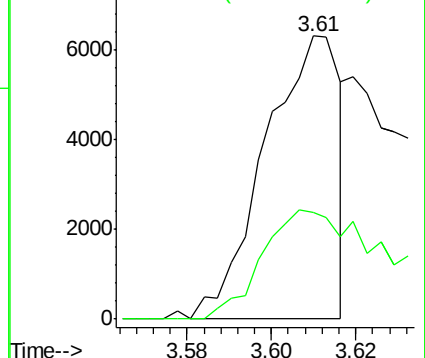
45 100

46 81.2 16.8 67.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 2.00 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

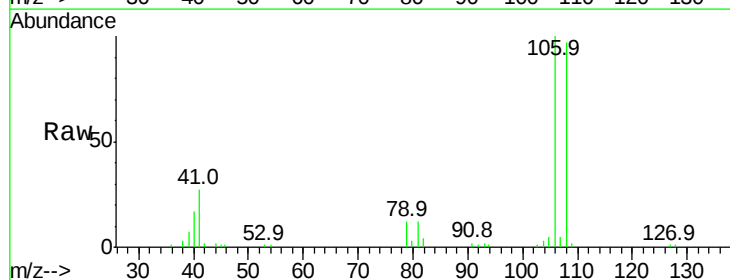
Tgt Ion: 108 Resp: 81067

Ion Ratio Lower Upper

108 100

106 115.5 85.9 128.9

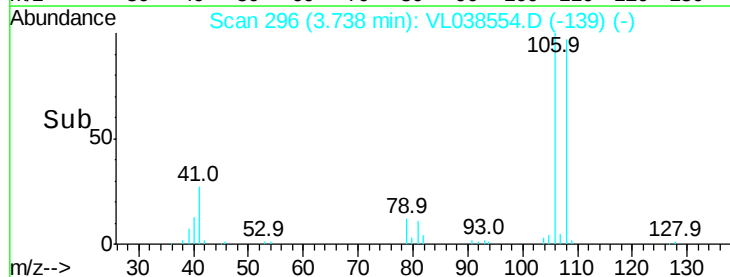
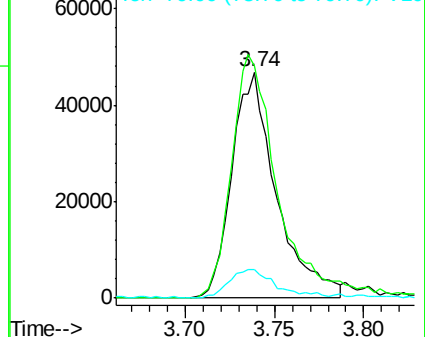
79 15.3 11.0 16.6

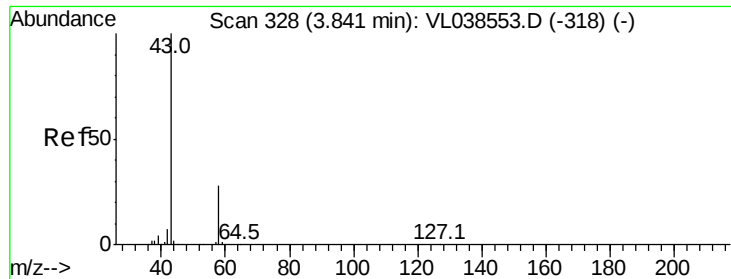


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 1.75 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

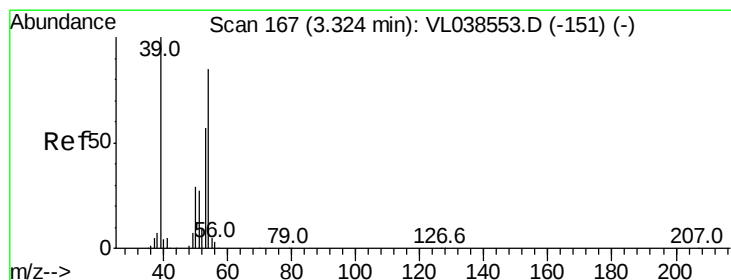
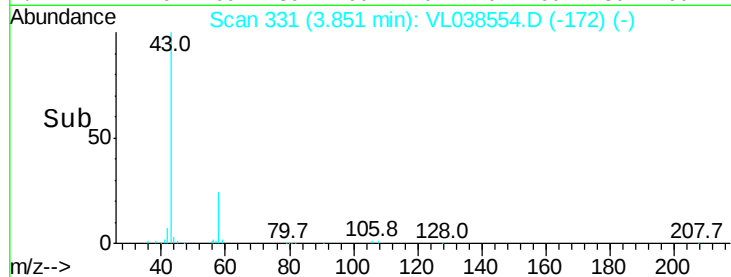
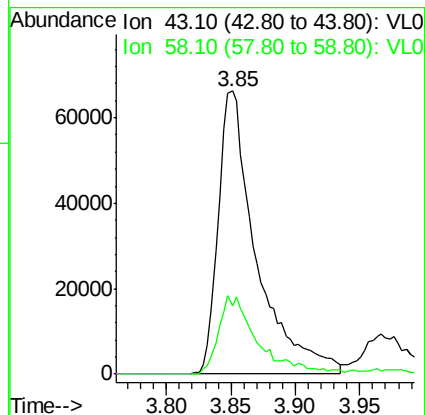
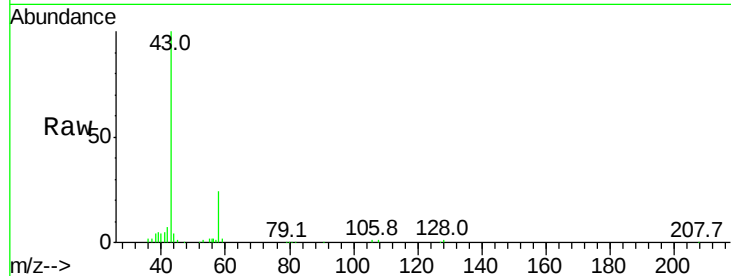
Acq: 8 Mar 2022 11:49 VSTDIC002

Tgt Ion: 43 Resp: 136243

Ion Ratio Lower Upper

43 100

58 28.2 22.7 34.1



#16

1,3-Butadiene

Concen: 2.02 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038554.D

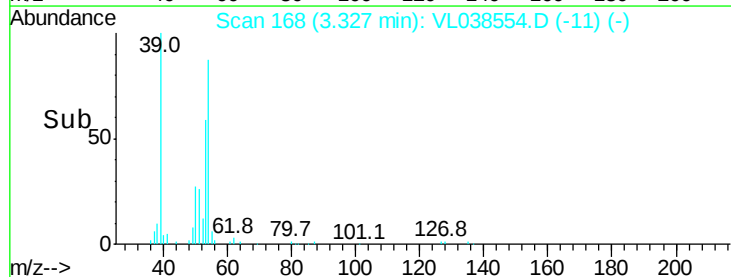
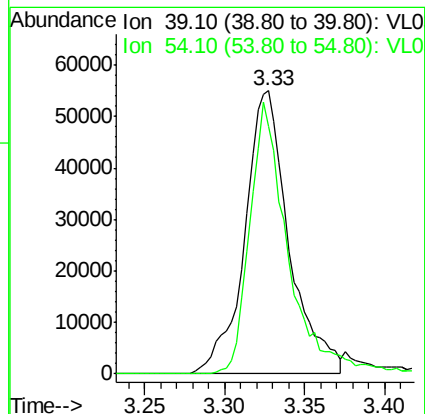
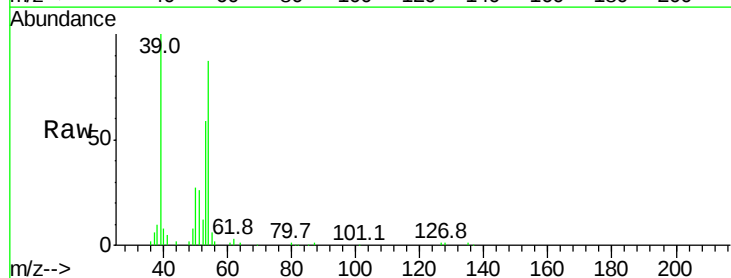
Acq: 8 Mar 2022 11:49

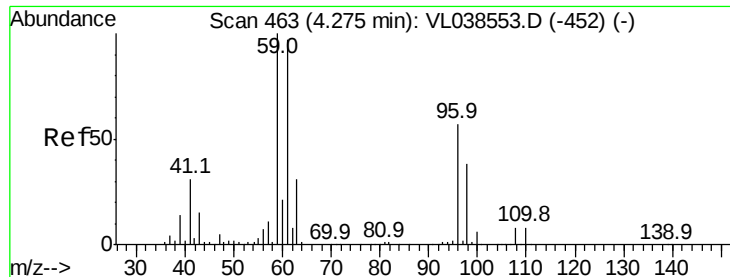
Tgt Ion: 39 Resp: 104792

Ion Ratio Lower Upper

39 100

54 84.4 64.2 96.2





#17

tert-Butyl alcohol

Concen: 1.66 ppbv

RT: 4.29

Instrument: MSVOA_1

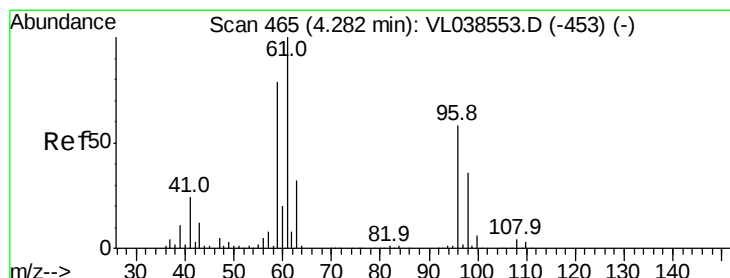
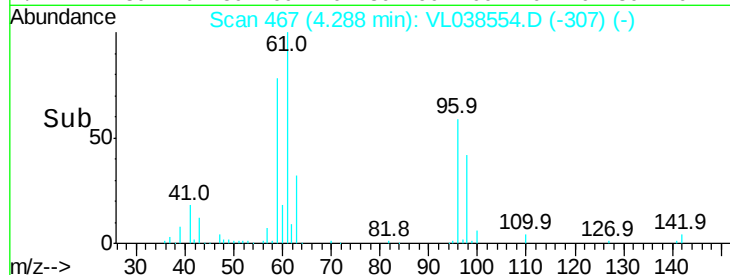
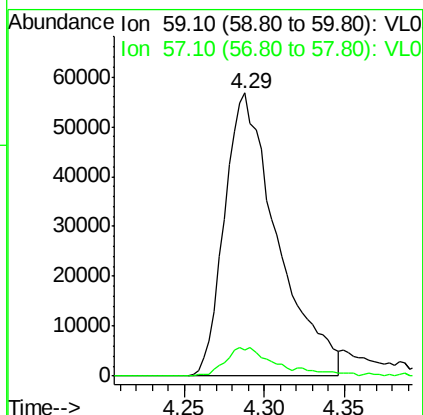
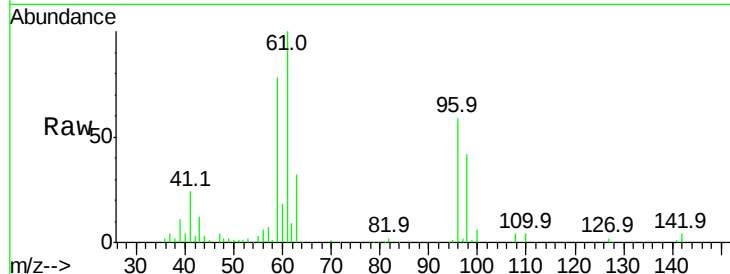
Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 8 Mar 2022 11:49

Tgt Ion: 59 Resp: 128725

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1



#18

1,1-Dichloroethene

Concen: 1.92 ppbv

RT: 4.29 min Scan# 466

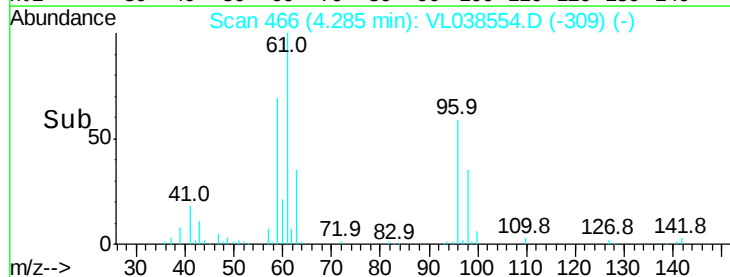
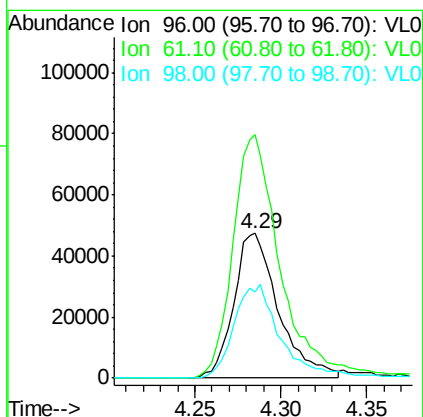
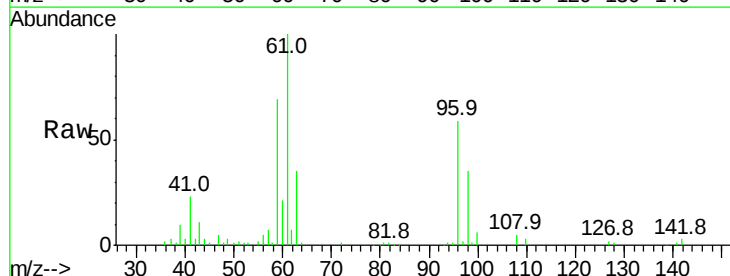
Delta R.T. 0.00 min

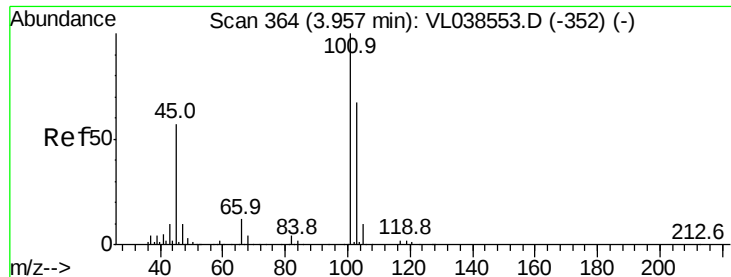
Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

Tgt Ion: 96 Resp: 85590

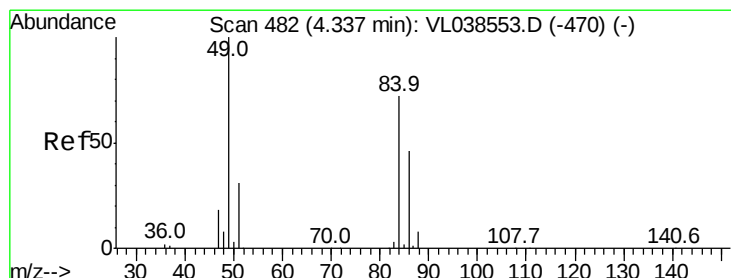
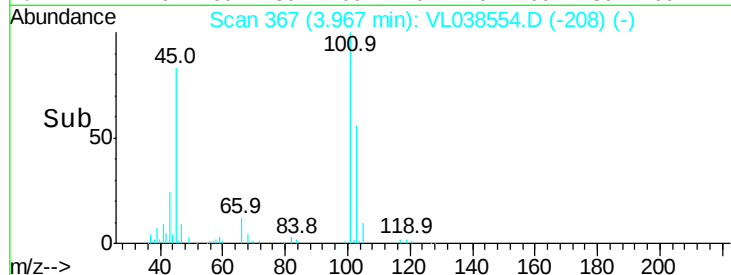
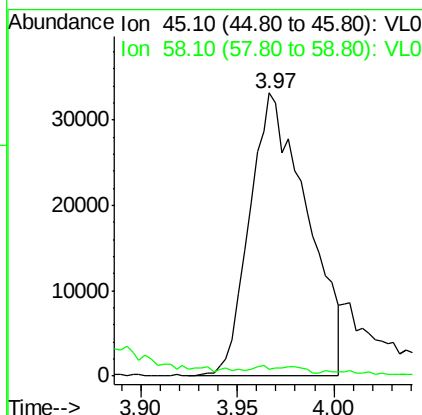
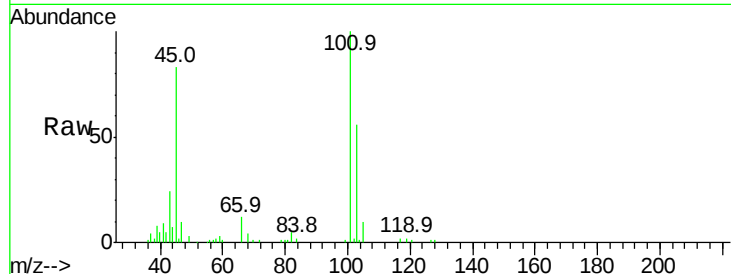
Ion	Ratio	Lower	Upper
96	100		
61	167.8	137.4	206.0
98	59.2	49.3	73.9





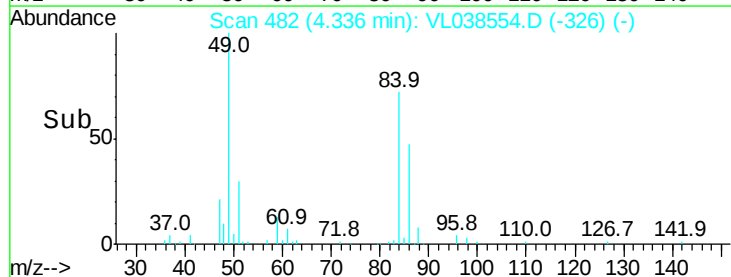
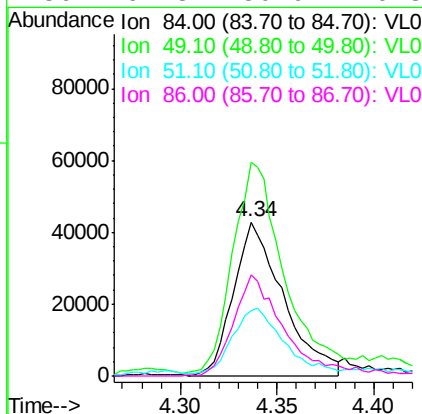
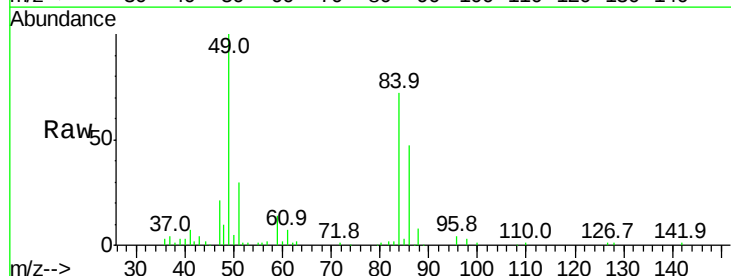
#19
Isopropyl Alcohol
Concen: 1.52 ppbv
RT: 3.97
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:49

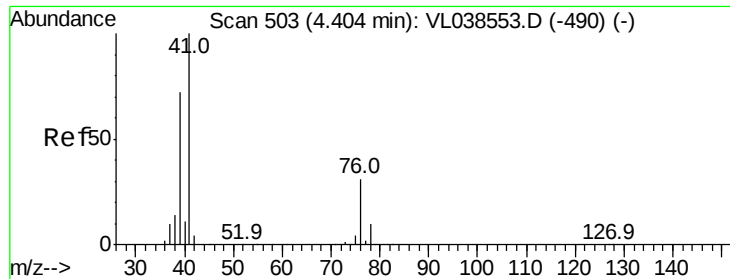
Tgt Ion: 45 Resp: 68476
Ion Ratio Lower Upper
45 100
58 5.9 2.2 3.2#



#20
Methylene Chloride
Concen: 1.98 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

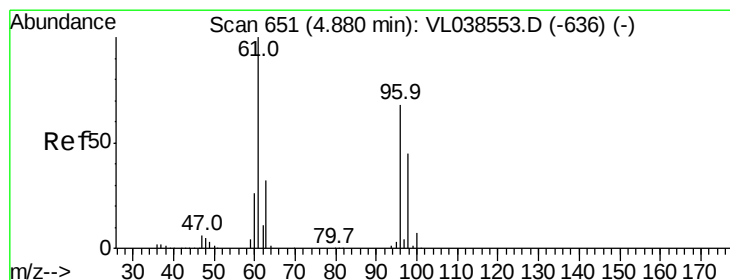
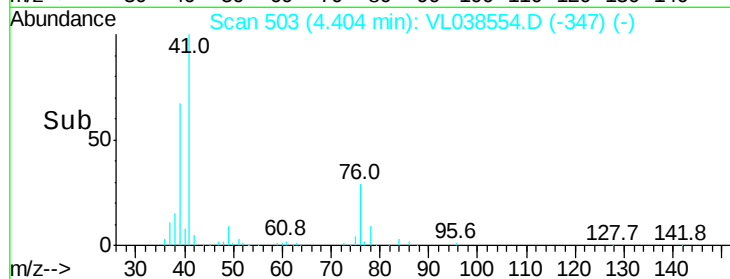
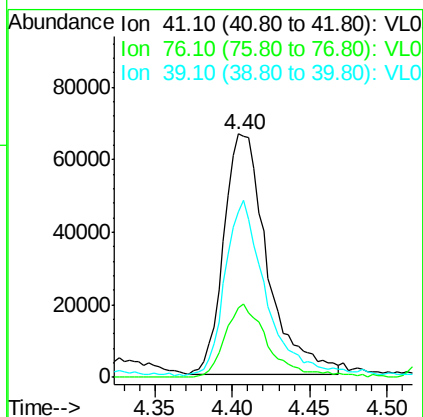
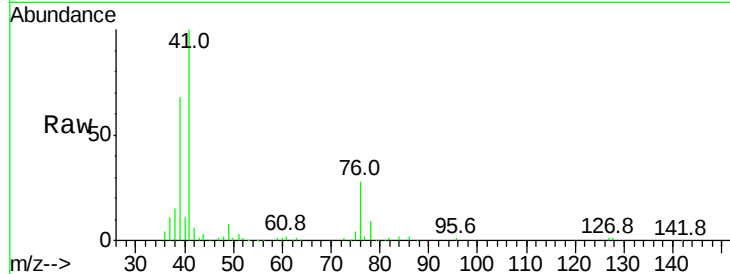
Tgt Ion: 84 Resp: 76196
Ion Ratio Lower Upper
84 100
49 134.5 111.1 166.7
51 42.2 34.0 51.0
86 64.8 50.9 76.3





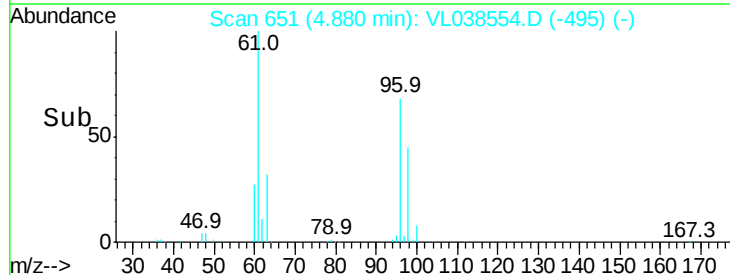
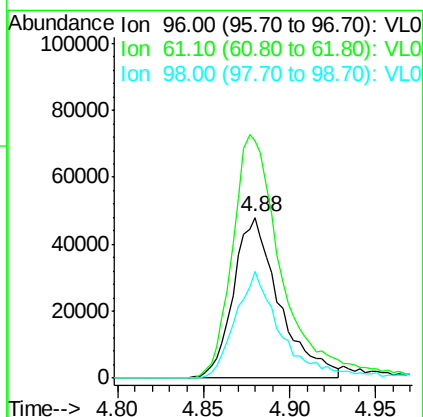
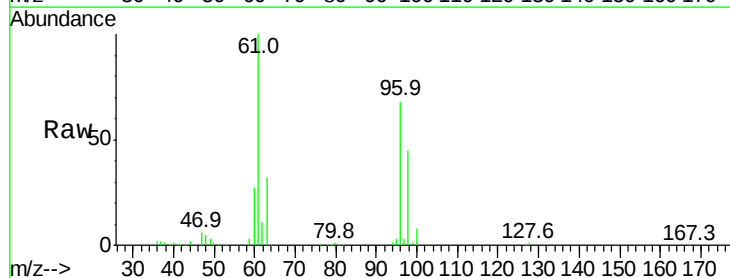
#21
 Allyl Chloride
 Concen: 1.97 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

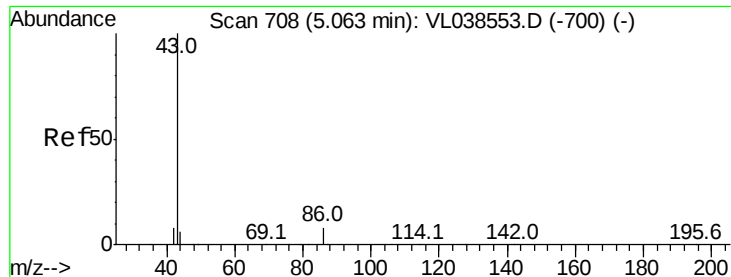
Tgt Ion: 41 Resp: 129252
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.3 36.5
 39 70.6 57.1 85.7



#22
 trans-1,2-Dichloroethene
 Concen: 1.97 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

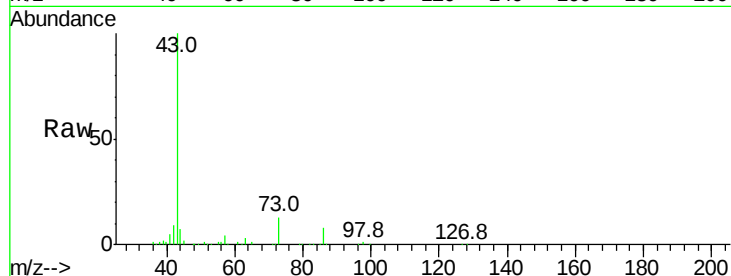
Tgt Ion: 96 Resp: 88969
 Ion Ratio Lower Upper
 96 100
 61 147.3 117.6 176.4
 98 66.3 52.6 78.8



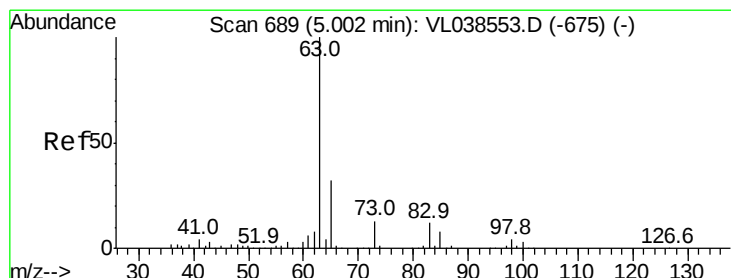
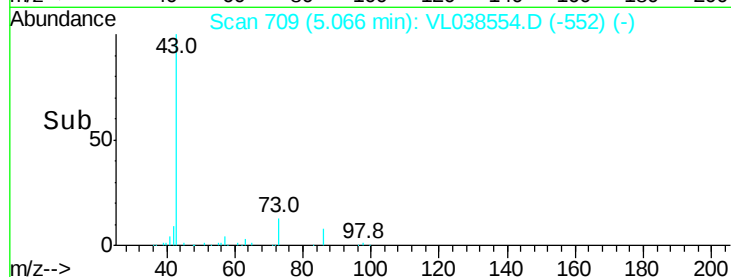
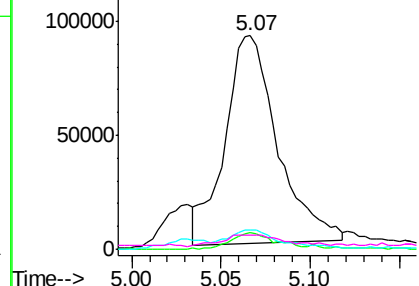


#23
 Vinyl Acetate
 Concen: 1.84 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

Tgt Ion:	43	Resp:	189227
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.6	8.4
42	8.7	7.1	10.7
44	5.3	4.1	6.1

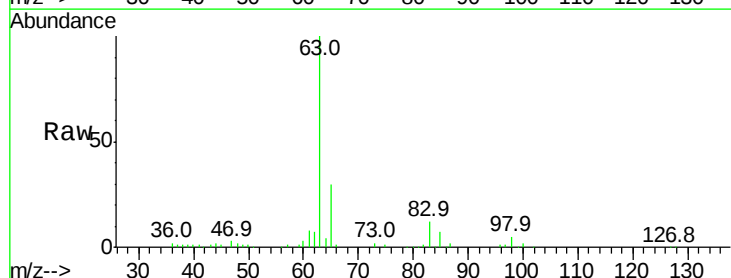


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

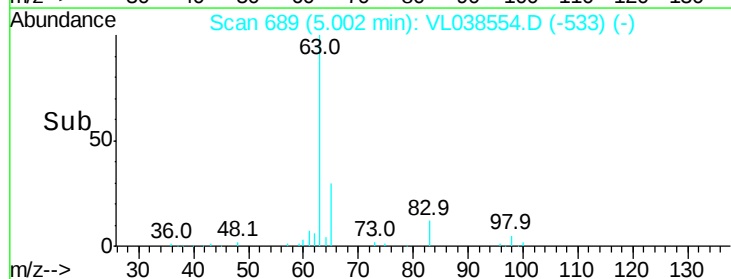
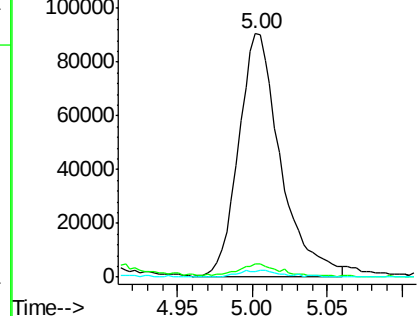


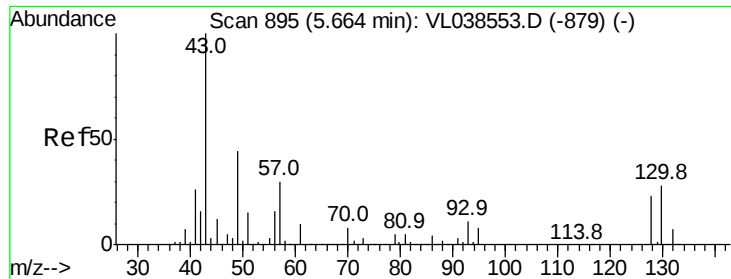
#24
 1,1-Dichloroethane
 Concen: 1.91 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion:	63	Resp:	176933
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.2	6.6
100	2.2	1.5	4.5



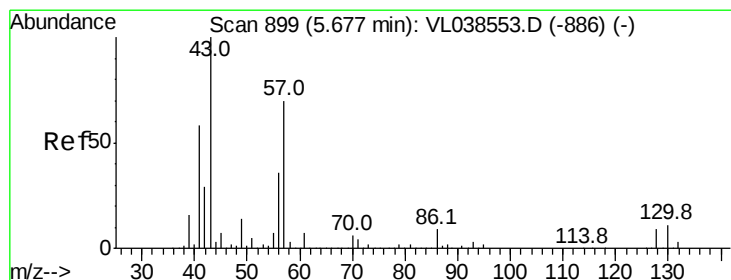
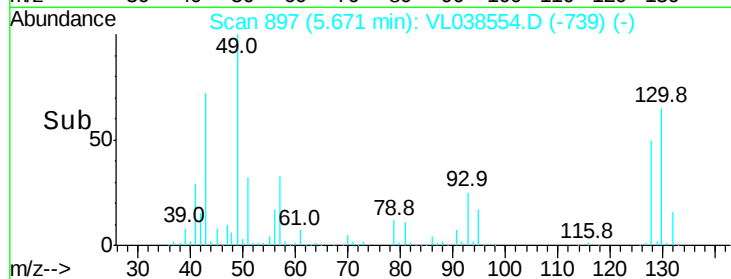
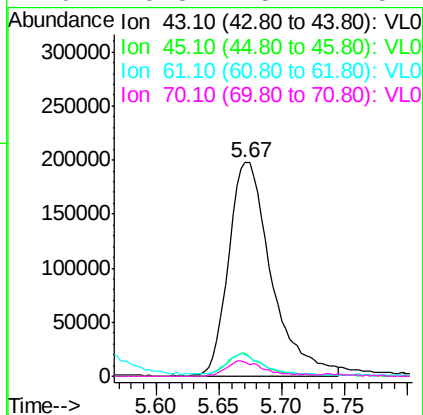
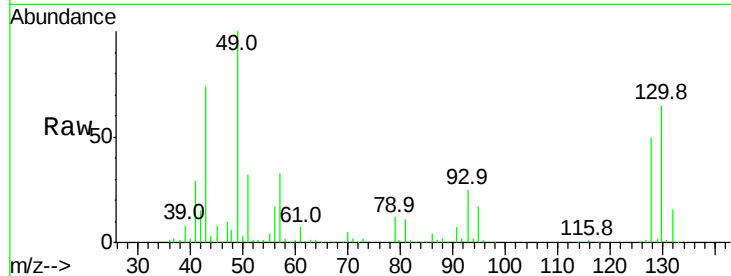
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





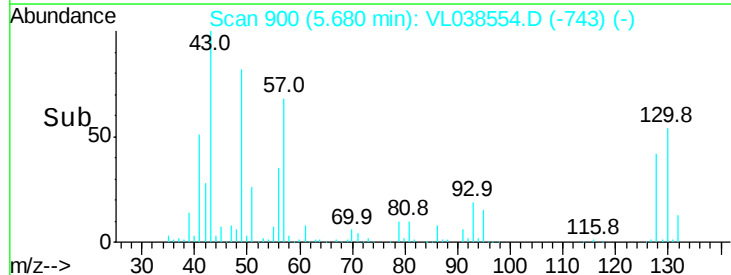
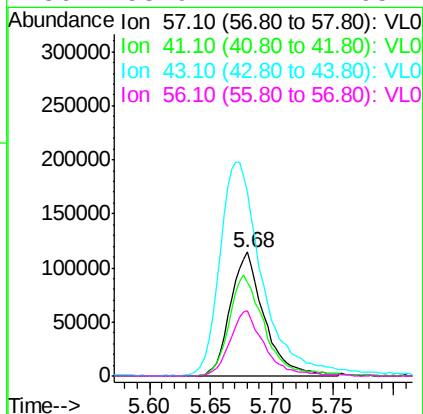
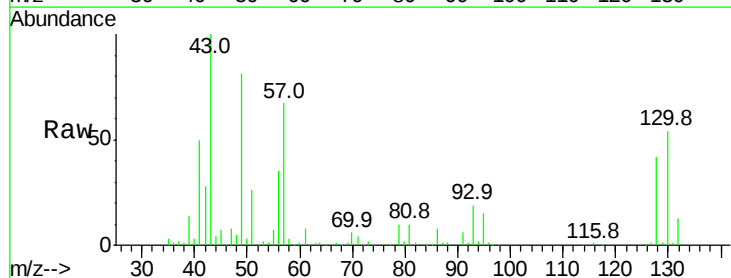
#25
Ethyl Acetate
Concen: 2.23 ppbv
RT: 5.67 min
Delta R.T.: 0.00 min
Lab File: VSTDIC002
Acq: 8 Mar 2022 11:49

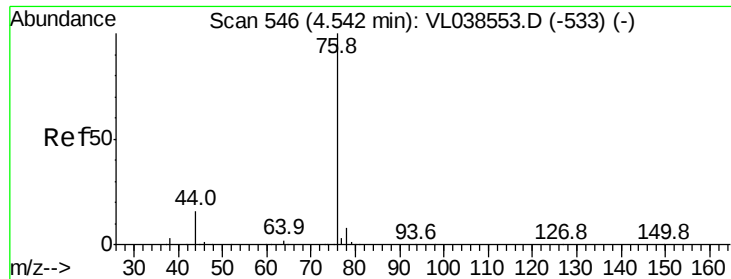
Tgt Ion:	43	Resp:	467129
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.9	8.2	12.4
70	6.8	5.4	8.2



#26
Hexane
Concen: 2.34 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: 0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

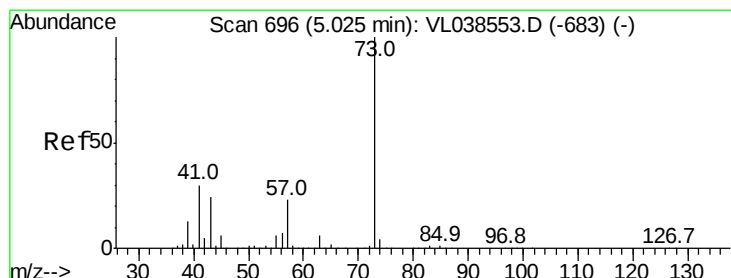
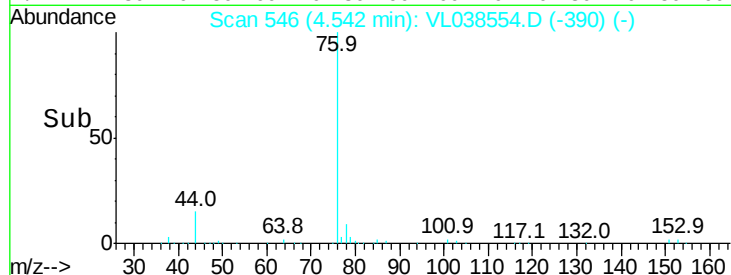
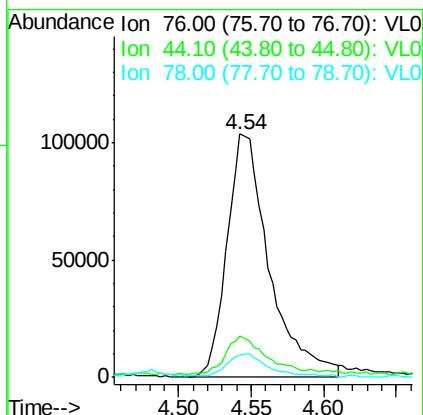
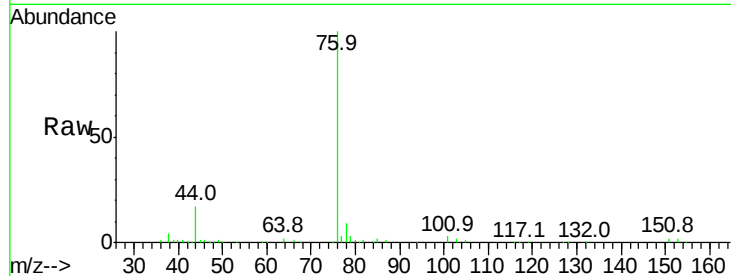
Tgt Ion:	57	Resp:	221111
Ion	Ratio	Lower	Upper
57	100		
41	86.1	67.8	101.6
43	219.5	173.6	260.4
56	53.9	42.2	63.2





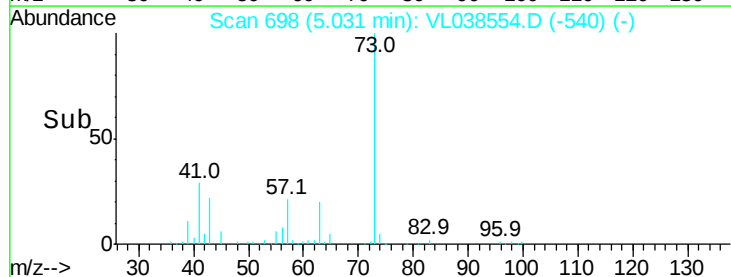
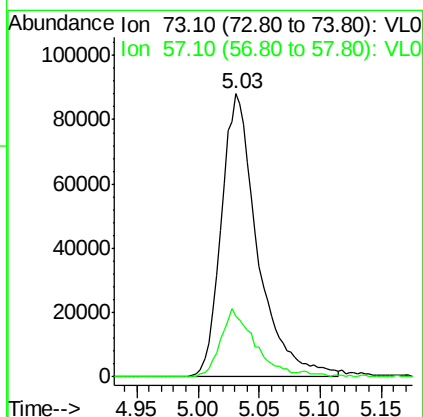
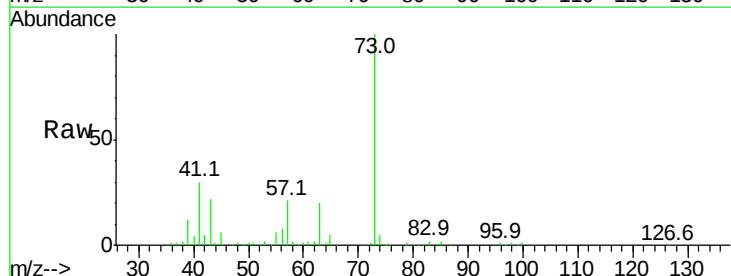
#27
Carbon Disulfide
Concen: 1.99 ppbv
RT: 4.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:49

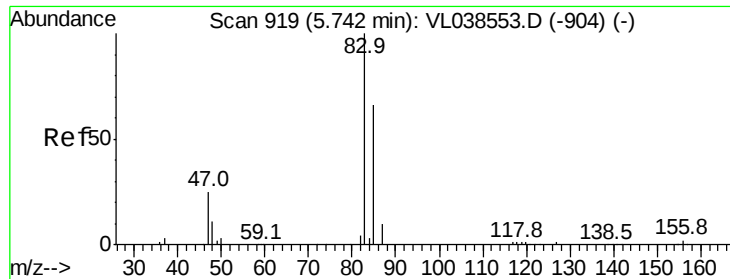
Tgt Ion: 76 Resp: 209166
Ion Ratio Lower Upper
76 100
44 17.5 12.9 19.3
78 10.4 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 1.91 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.01 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

Tgt Ion: 73 Resp: 183827
Ion Ratio Lower Upper
73 100
57 23.5 18.8 28.2





#29

Chloroform

Concen: 2.12 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

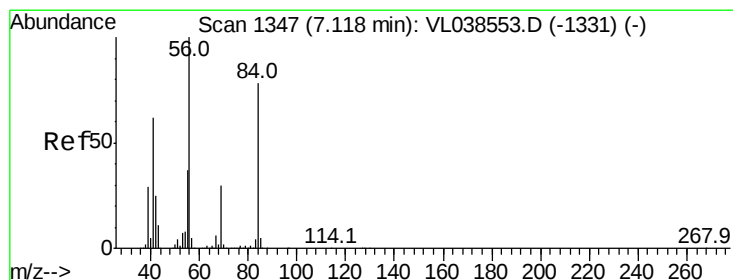
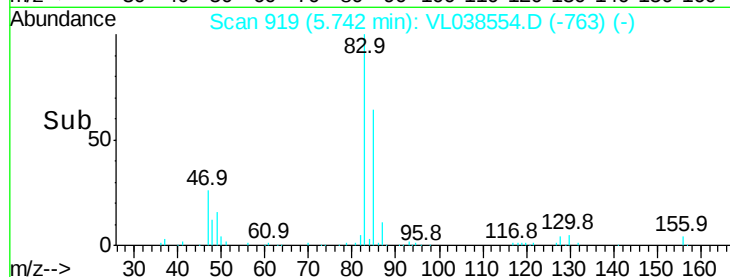
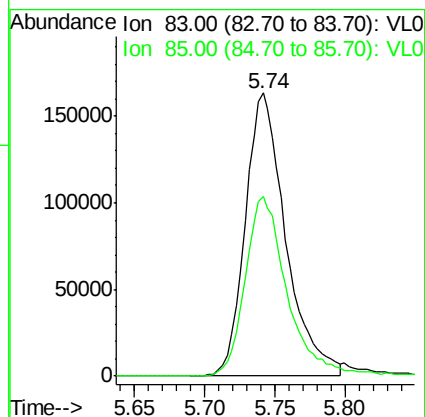
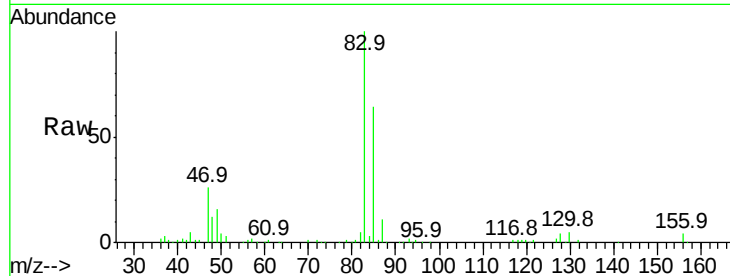
Acq: 8 Mar 2022 11:49

Tgt Ion: 83 Resp: 328125

Ion Ratio Lower Upper

83 100

85 63.3 52.8 79.2



#30

Cyclohexane

Concen: 2.39 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

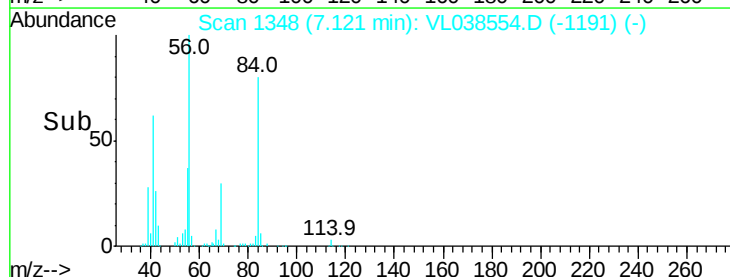
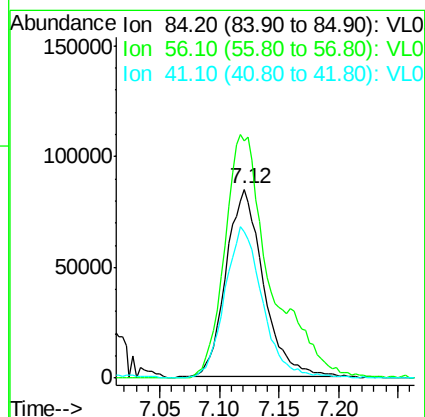
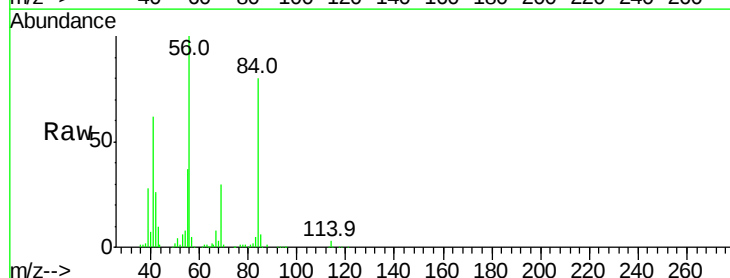
Tgt Ion: 84 Resp: 184773

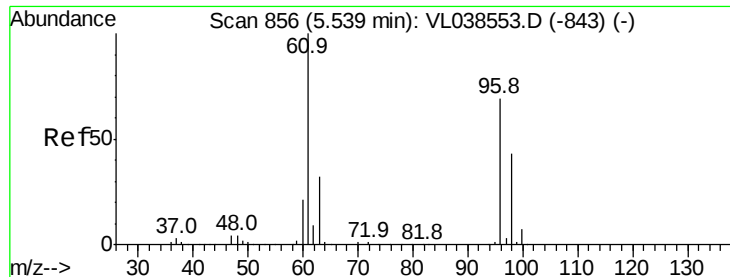
Ion Ratio Lower Upper

84 100

56 159.9 111.4 167.0

41 82.1 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 2.19 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC002

Acq: 8 Mar 2022 11:49

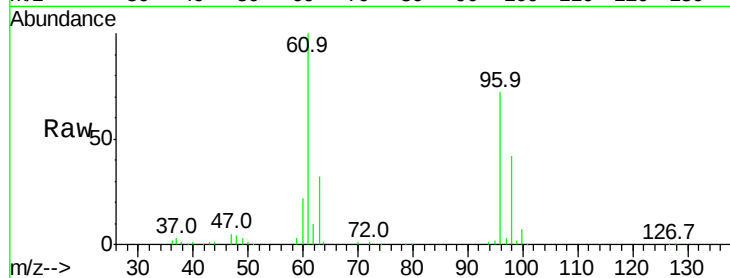
Tgt Ion: 61 Resp: 200500

Ion Ratio Lower Upper

61 100

96 71.5 55.2 82.8

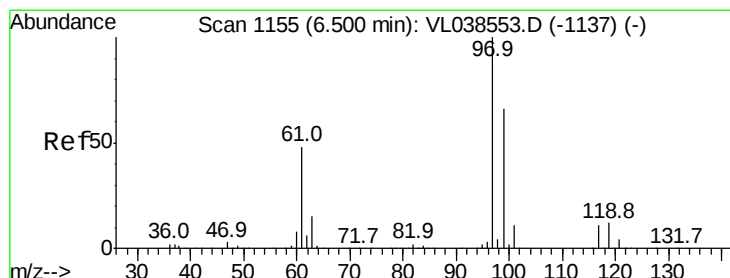
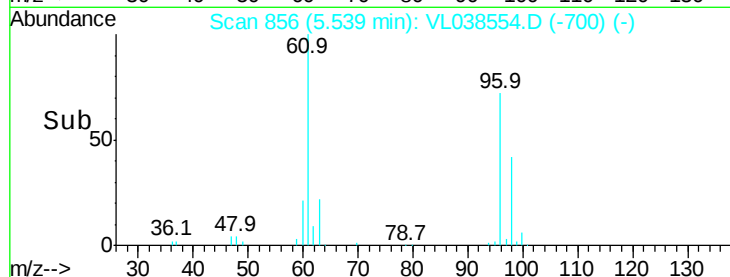
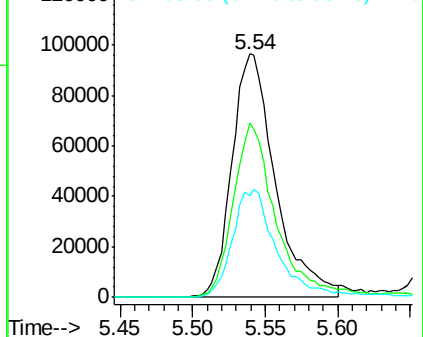
98 41.5 34.2 51.4



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: 2.02 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

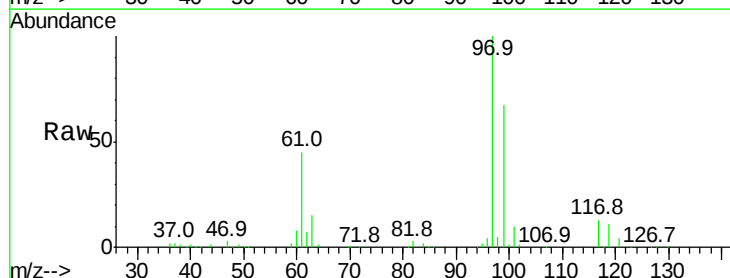
Tgt Ion: 97 Resp: 313138

Ion Ratio Lower Upper

97 100

99 65.0 52.1 78.1

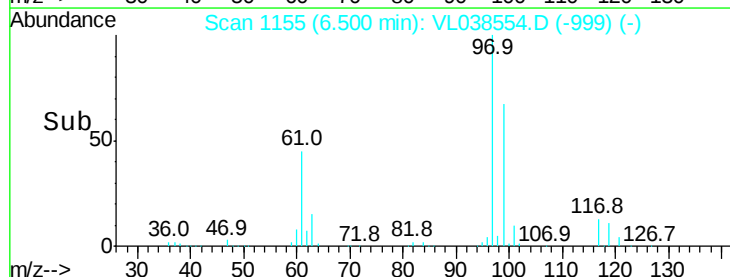
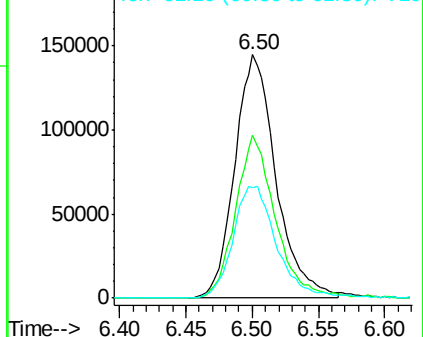
61 48.8 37.7 56.5

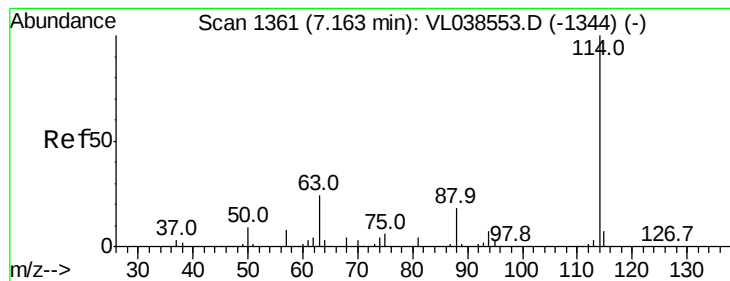


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:49 VSTDIC002

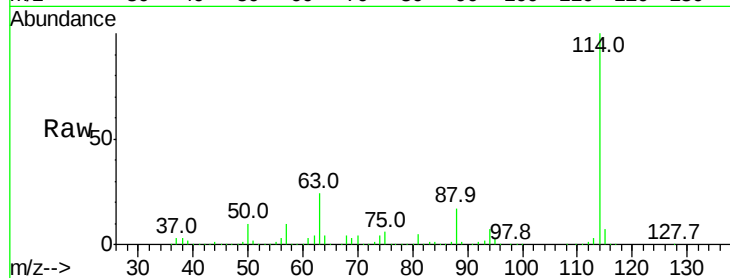
Tgt Ion:114 Resp: 2404870

Ion Ratio Lower Upper

114 100

63 24.1 19.6 29.4

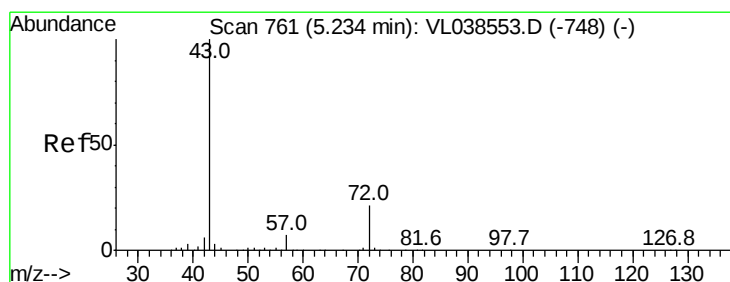
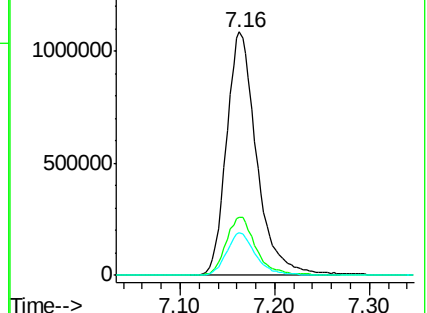
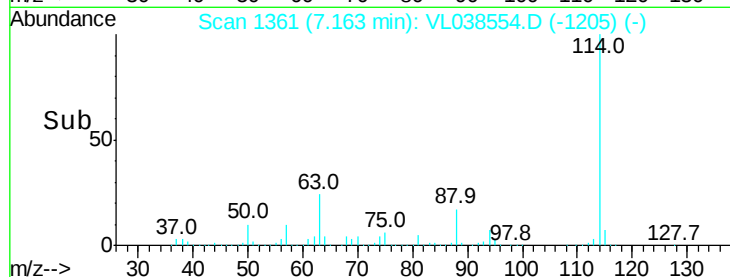
88 17.1 13.9 20.9



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: 1.77 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL038554.D

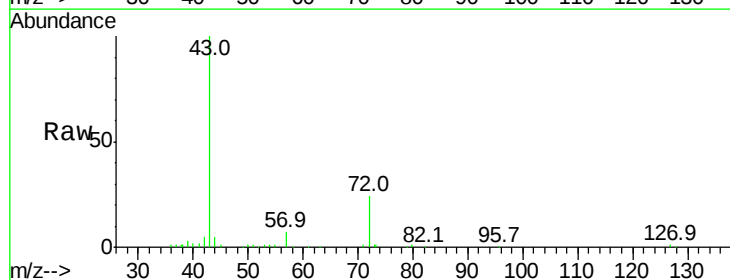
Acq: 8 Mar 2022 11:49

Tgt Ion: 43 Resp: 133794

Ion Ratio Lower Upper

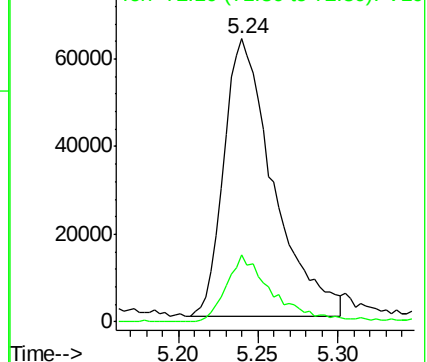
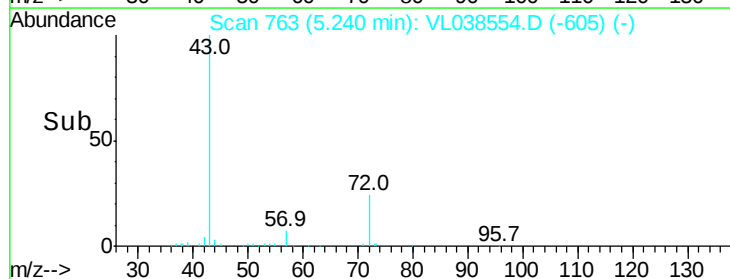
43 100

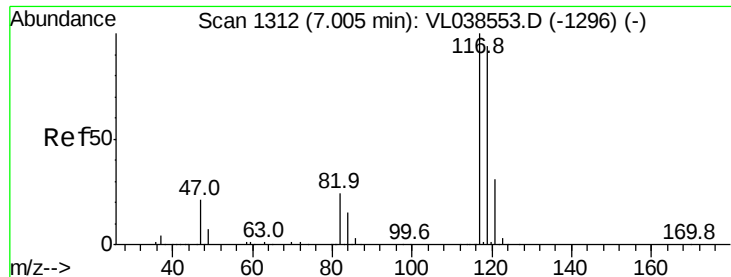
72 23.6 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

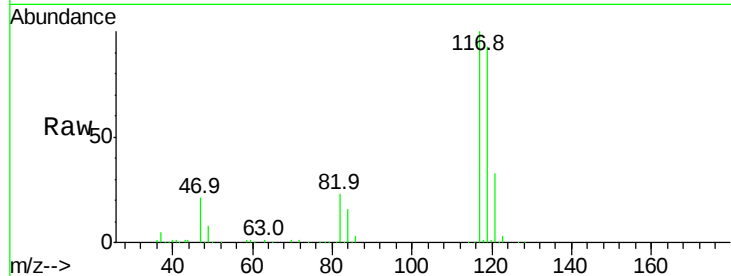
Ion 72.10 (71.80 to 72.80): VL0



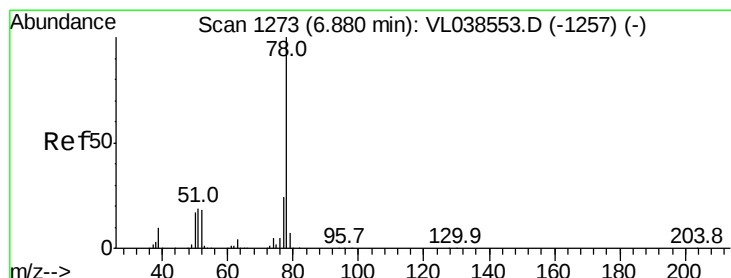
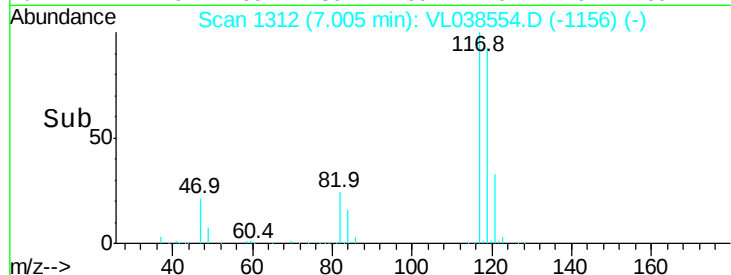
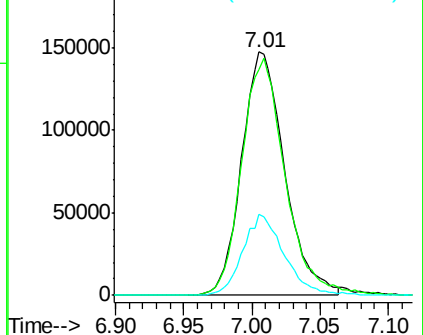


#35
Carbon Tetrachloride
Concen: 1.91 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 8 Mar 2022 11:49

Tgt Ion: 117 Resp: 323098
Ion Ratio Lower Upper
117 100
119 92.9 75.2 112.8
121 33.7 24.8 37.2

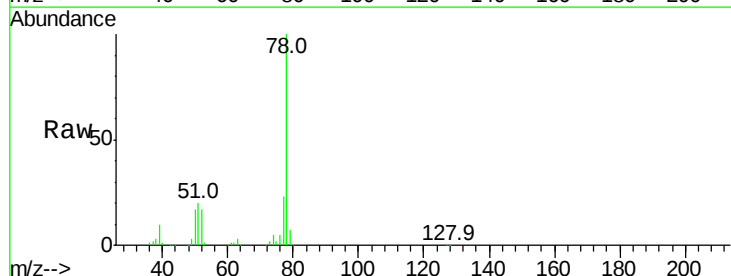


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

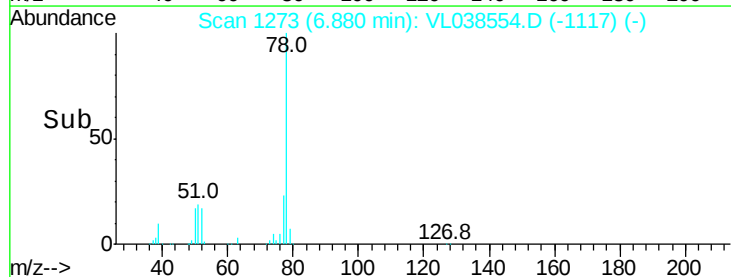
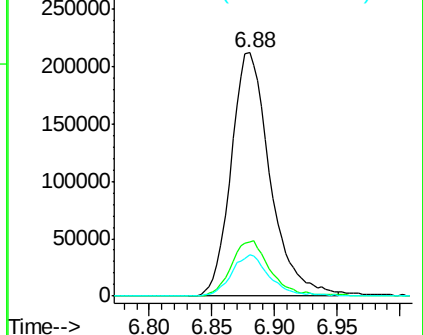


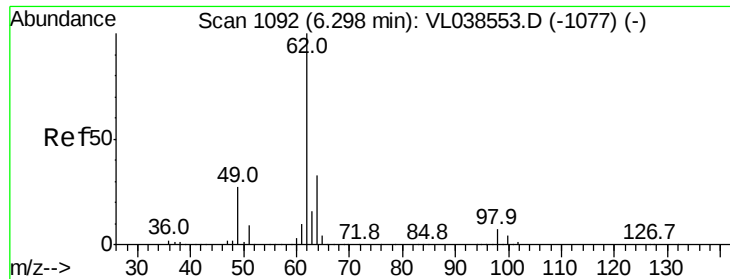
#36
Benzene
Concen: 2.17 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

Tgt Ion: 78 Resp: 459283
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.4
50 17.1 13.9 20.9



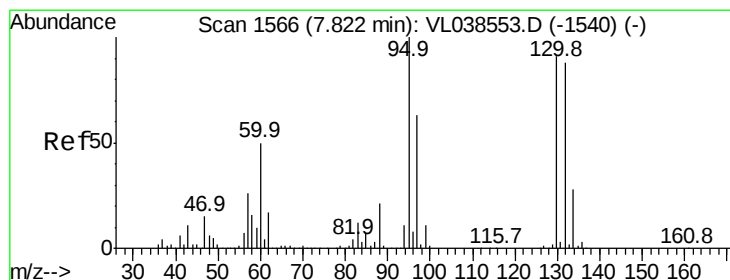
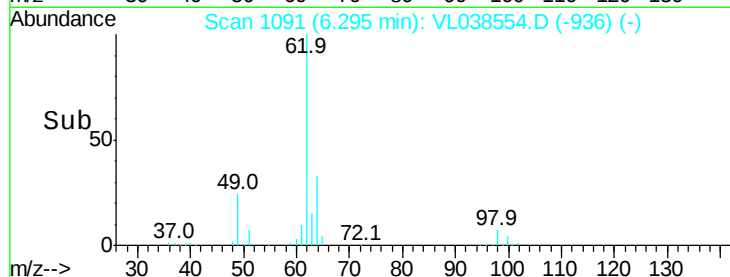
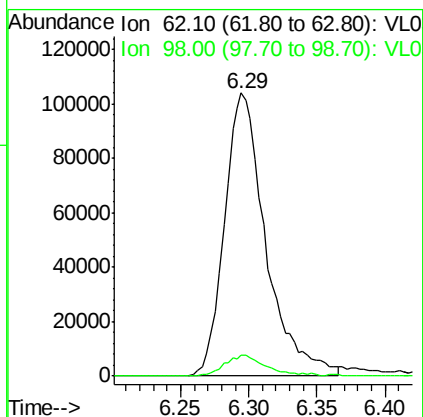
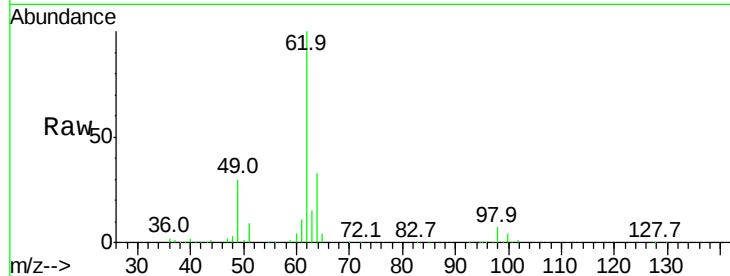
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





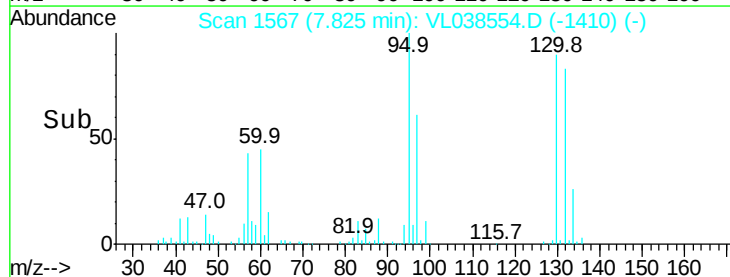
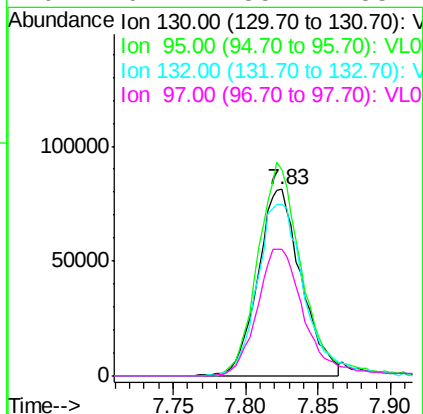
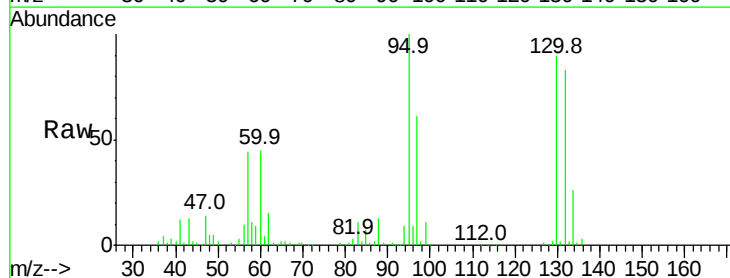
#37
 1,2-Dichloroethane
 Concen: 1.79 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

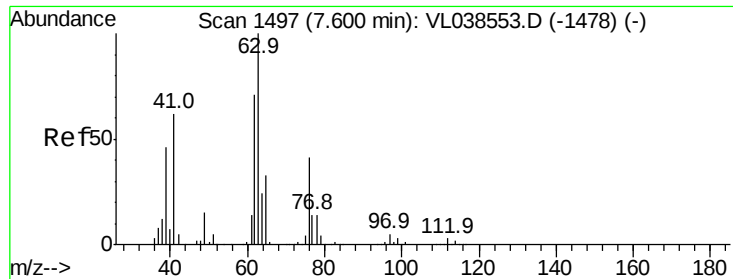
Tgt Ion: 62 Resp: 218839
 Ion Ratio Lower Upper
 62 100
 98 7.7 5.7 8.5



#38
 Trichloroethene
 Concen: 2.20 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

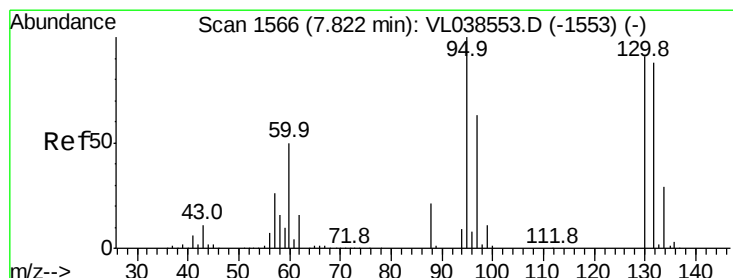
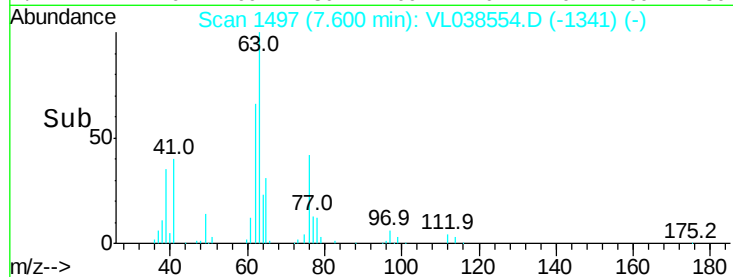
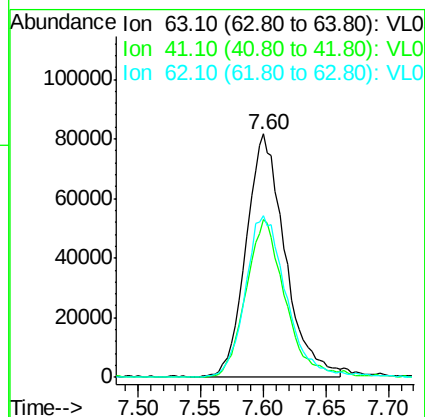
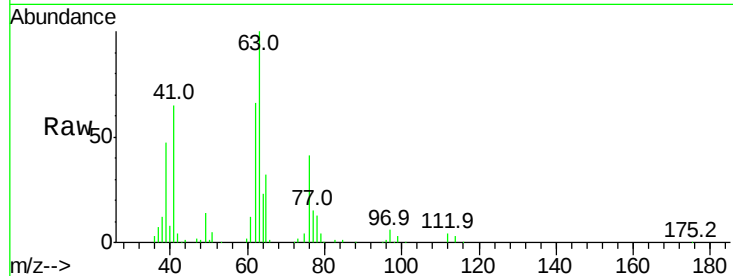
Tgt Ion: 130 Resp: 169767
 Ion Ratio Lower Upper
 130 100
 95 110.5 87.8 131.8
 132 92.0 77.5 116.3
 97 67.7 55.4 83.2





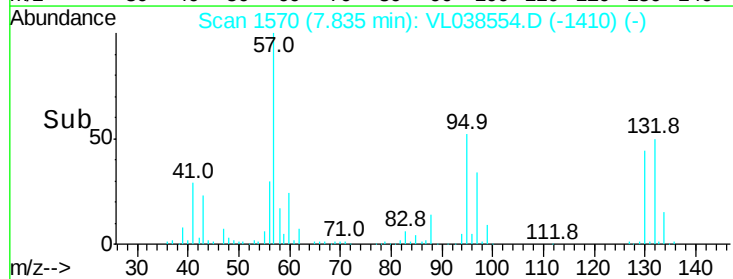
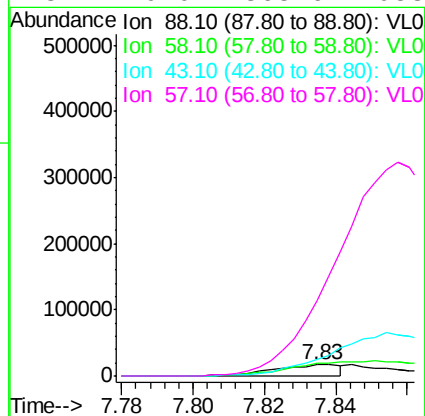
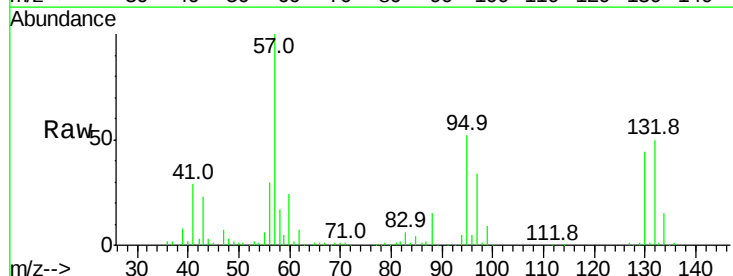
#39
 1,2-Dichloropropane
 Concen: 2.09 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 11:49

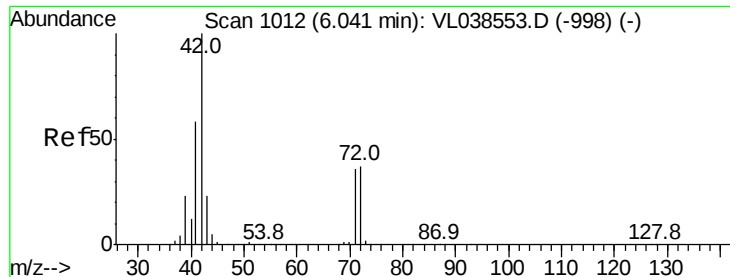
Tgt Ion: 63 Resp: 176648
 Ion Ratio Lower Upper
 63 100
 41 64.9 49.8 74.6
 62 66.1 56.7 85.1



#40
 1,4-Dioxane
 Concen: 1.07 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion: 88 Resp: 21366
 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: 1.95 ppbv

RT: 6.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:49 VSTDIC002

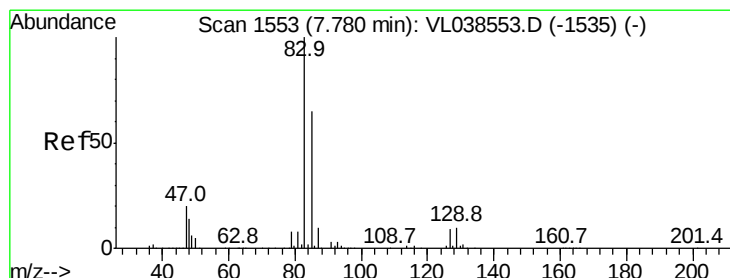
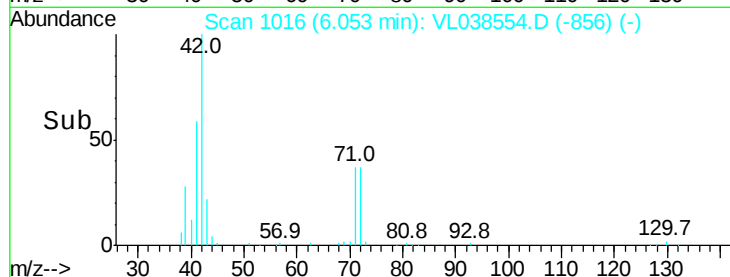
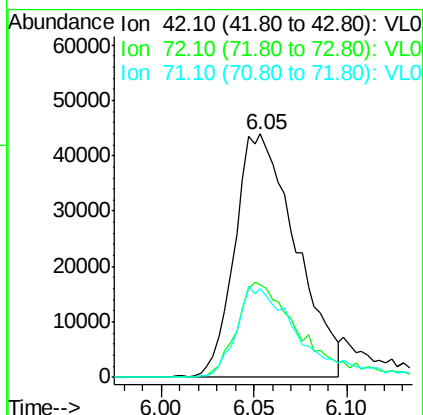
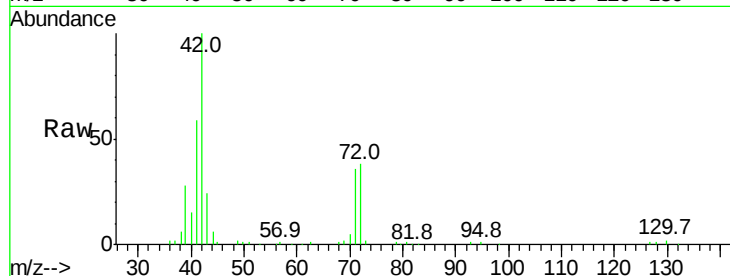
Tgt Ion: 42 Resp: 99620

Ion Ratio Lower Upper

42 100

72 42.3 30.9 46.3

71 39.7 29.1 43.7



#42

Bromodichloromethane

Concen: 1.97 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

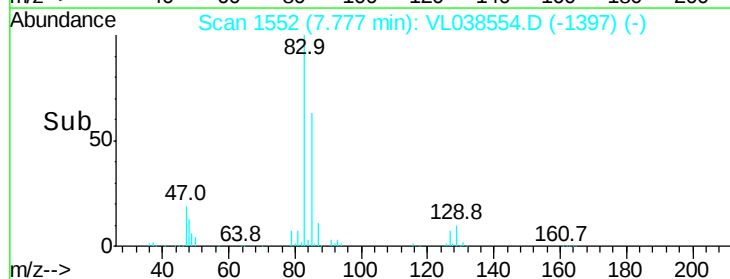
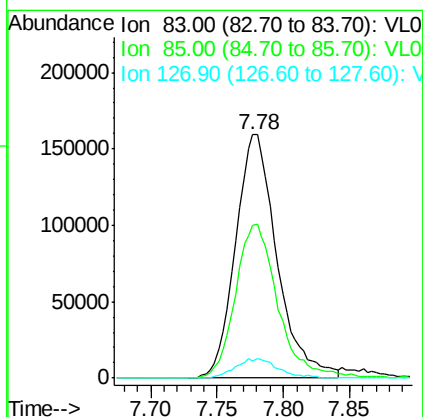
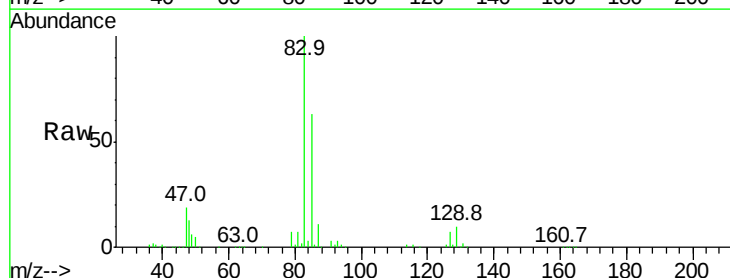
Tgt Ion: 83 Resp: 347442

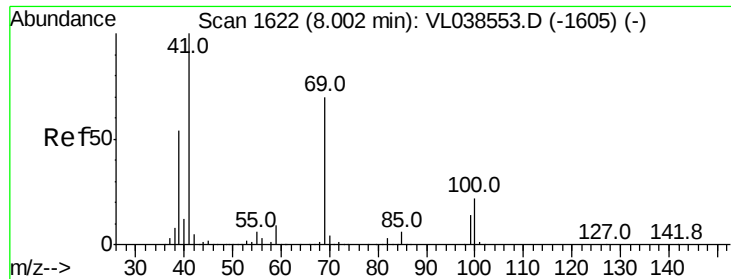
Ion Ratio Lower Upper

83 100

85 62.5 51.7 77.5

127 7.2 6.9 10.3





#43

Methyl Methacrylate

Concen: 2.13 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC002

Acq: 8 Mar 2022 11:49

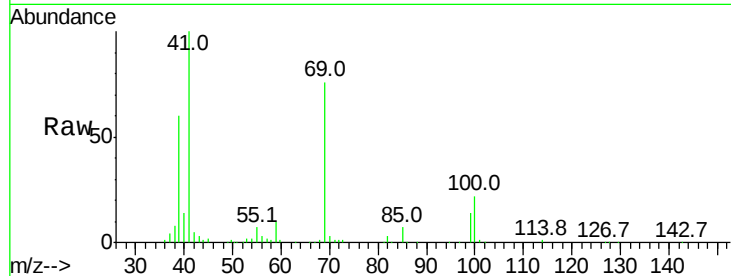
Tgt Ion: 69 Resp: 156816

Ion Ratio Lower Upper

69 100

41 144.6 113.8 170.6

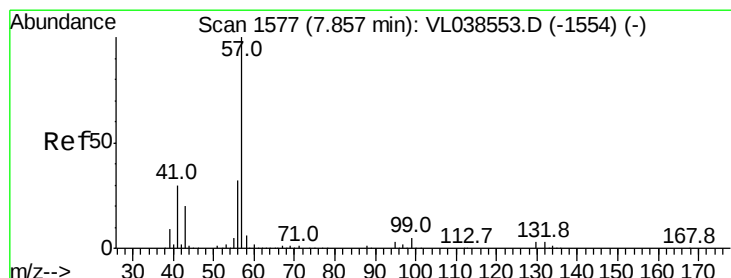
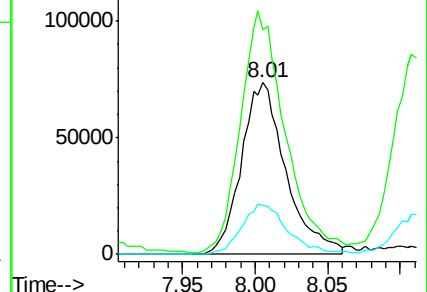
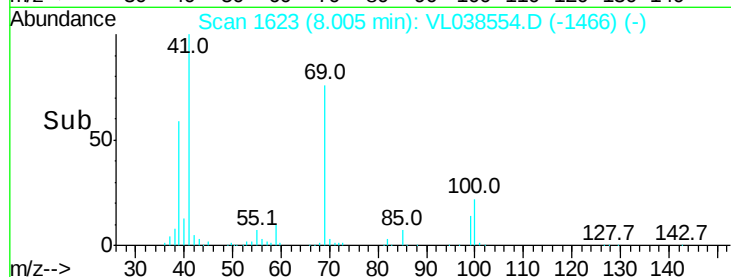
100 30.6 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 2.19 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

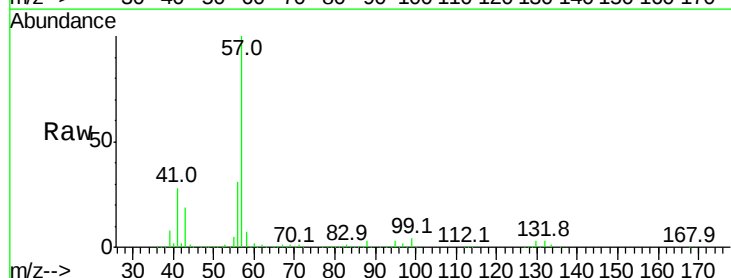
Tgt Ion: 57 Resp: 797057

Ion Ratio Lower Upper

57 100

41 29.2 24.0 36.0

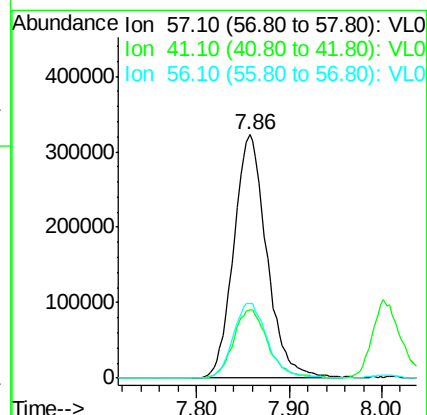
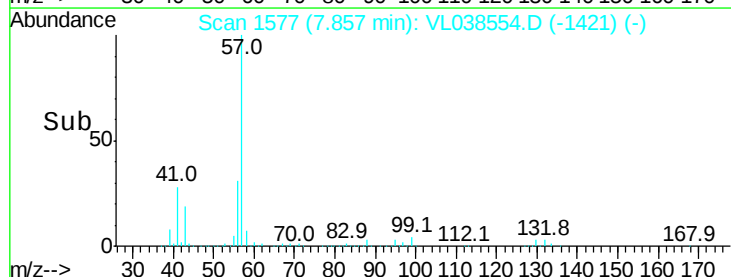
56 31.7 25.6 38.4

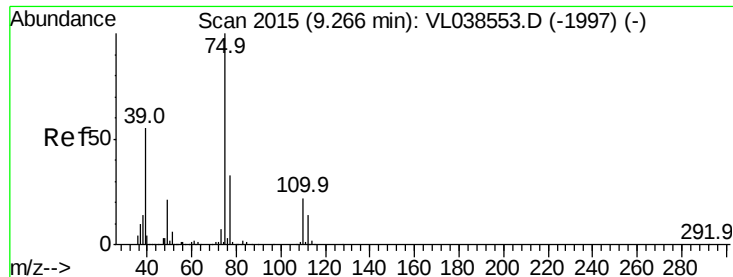


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 1.84 ppbv

RT: 9.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

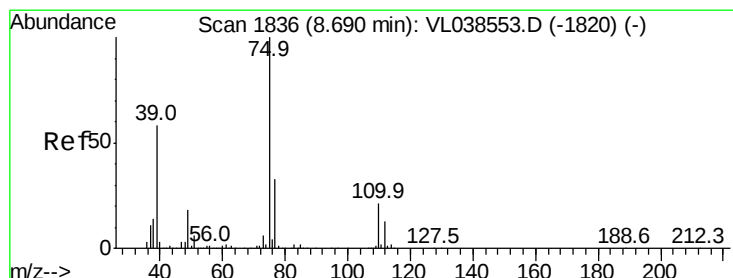
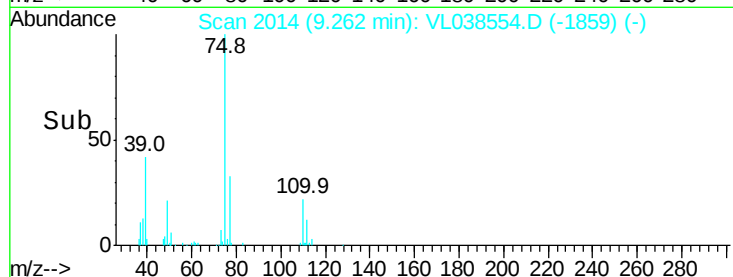
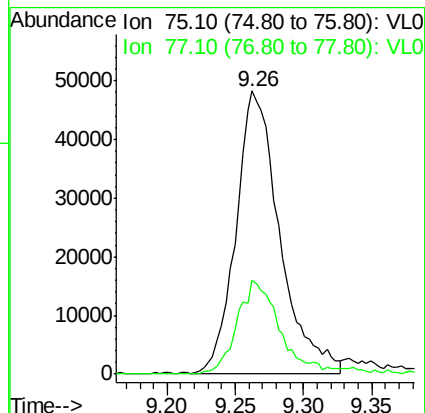
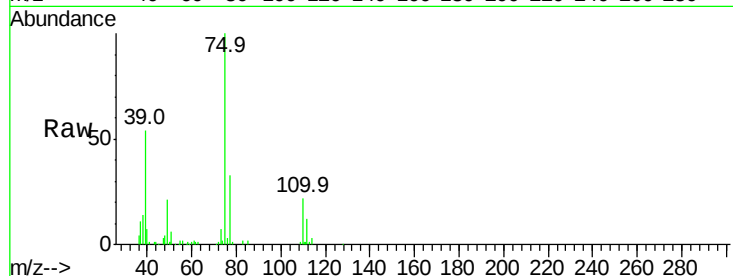
Acq: 8 Mar 2022 11:49 VSTDIC002

Tgt Ion: 75 Resp: 108047

Ion Ratio Lower Upper

75 100

77 33.1 26.6 40.0



#46

cis-1,3-Dichloropropene

Concen: 1.93 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

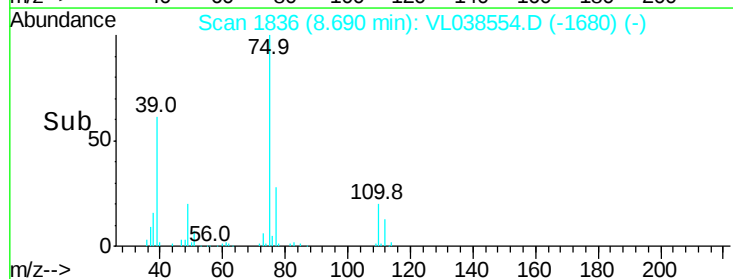
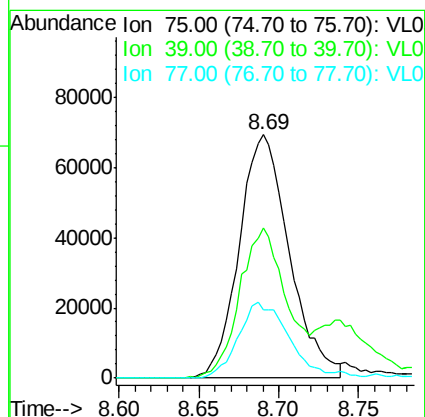
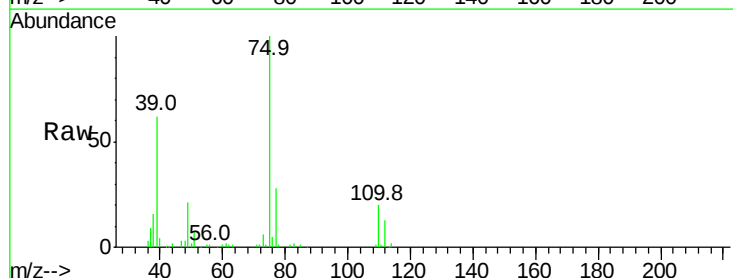
Tgt Ion: 75 Resp: 148808

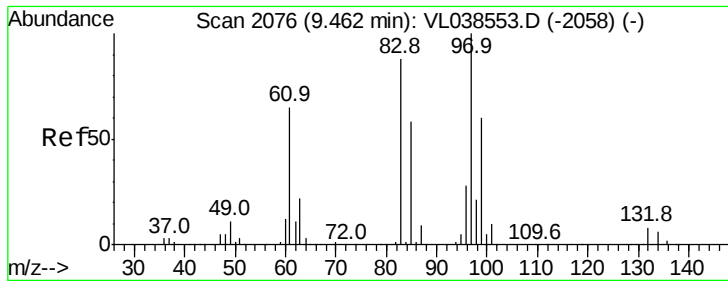
Ion Ratio Lower Upper

75 100

39 61.3 46.2 69.2

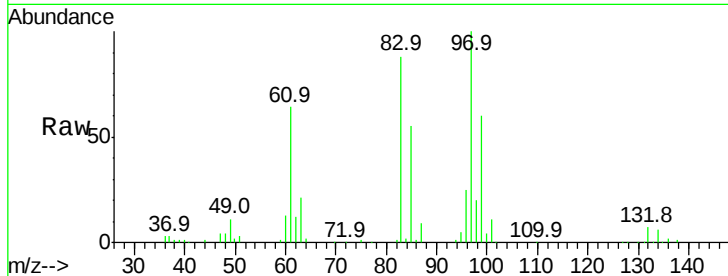
77 28.2 26.2 39.2





#47
 1,1,2-Trichloroethane
 Concen: 2.13 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

Tgt Ion:	97	Resp:	178707
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.1	105.1
85	54.6	46.6	69.8
99	60.0	48.1	72.1



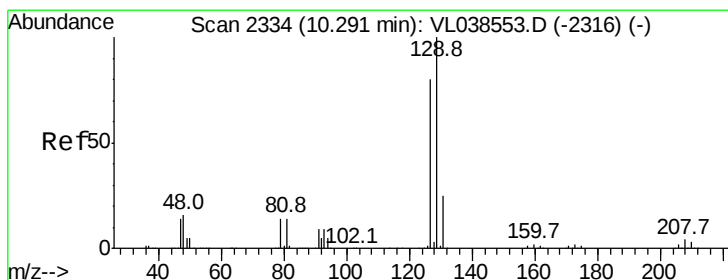
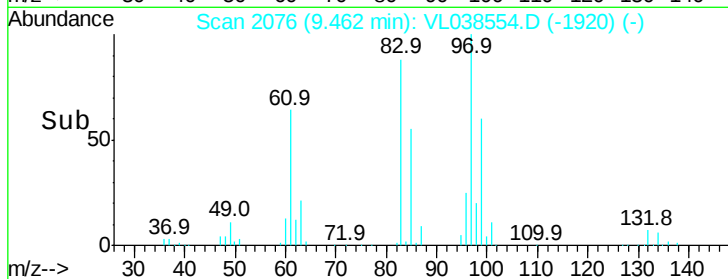
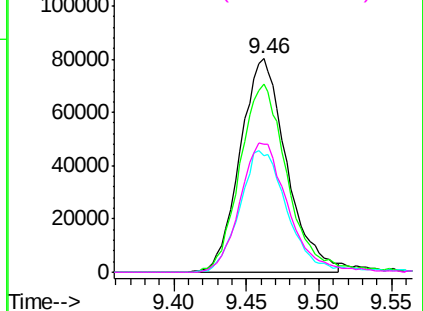
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

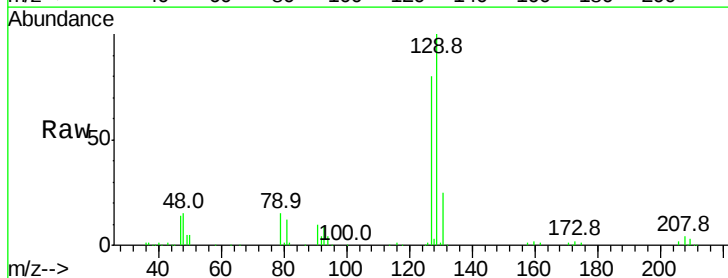
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 2.09 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

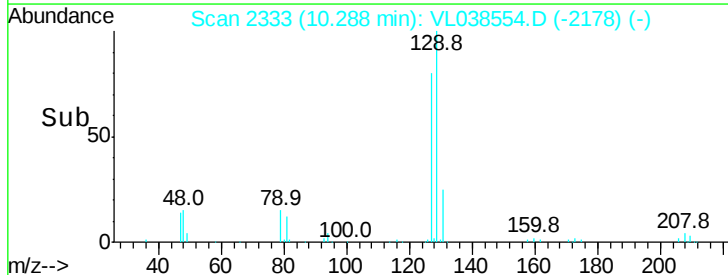
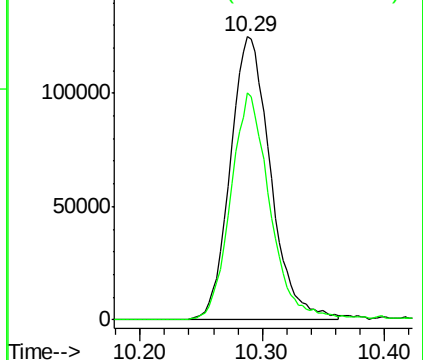
Tgt Ion:	129	Resp:	286380
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.3

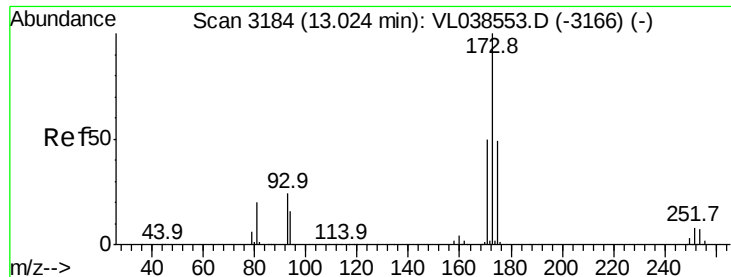


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.16 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 11:49

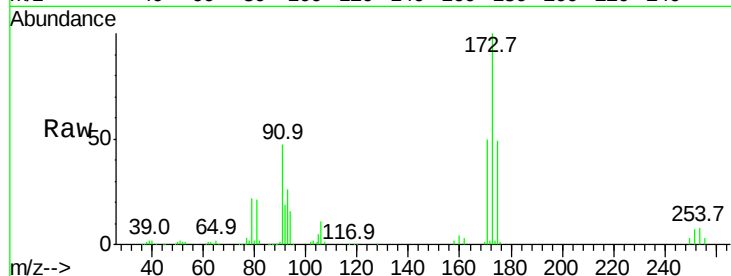
Tgt Ion: 173 Resp: 218240

Ion Ratio Lower Upper

173 100

175 50.2 40.7 61.1

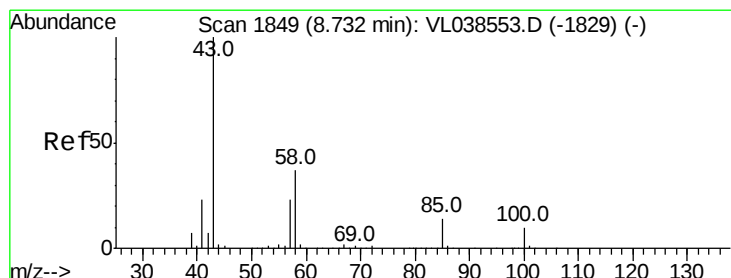
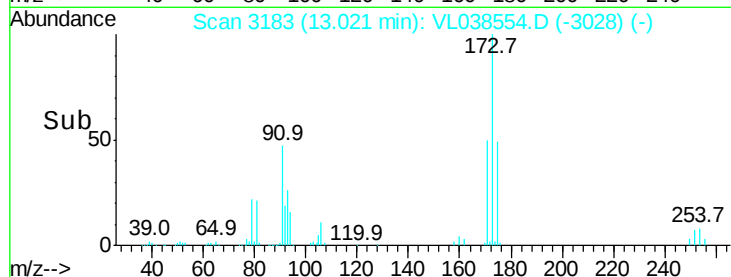
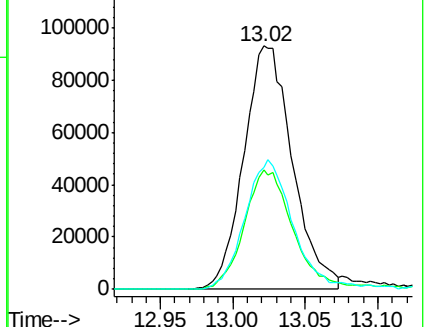
171 54.5 42.9 64.3



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: 2.06 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL038554.D

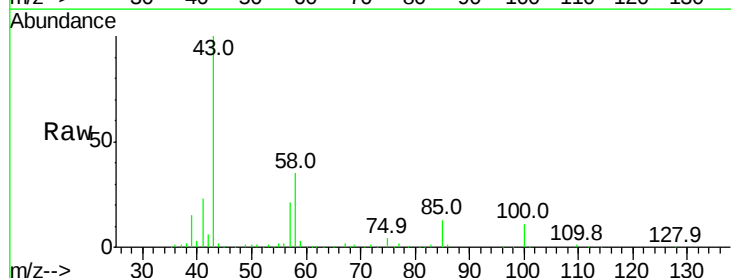
Acq: 8 Mar 2022 11:49

Tgt Ion: 43 Resp: 274978

Ion Ratio Lower Upper

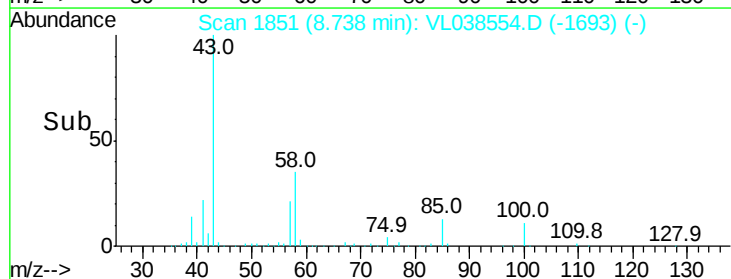
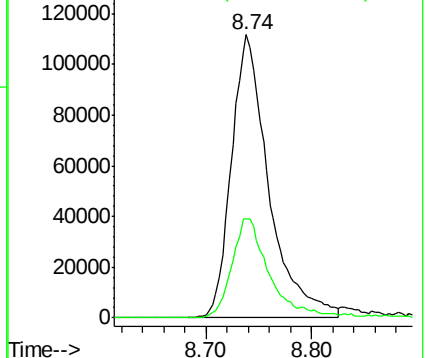
43 100

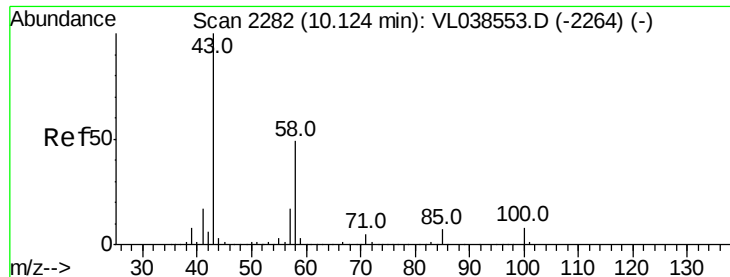
58 36.3 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.82 ppbv

RT: 10.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:49

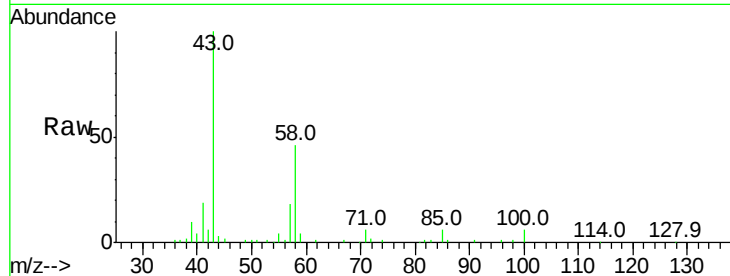
Tgt Ion: 43 Resp: 109054

Ion Ratio Lower Upper

43 100

58 52.0 40.1 60.1

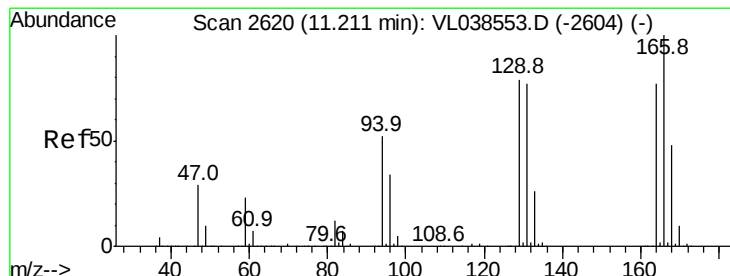
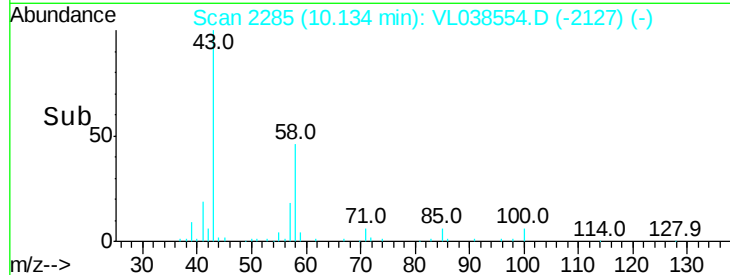
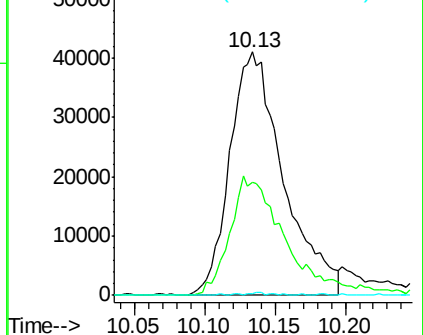
98 0.6 0.4 0.6



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: 2.31 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

Tgt Ion: 164 Resp: 162313

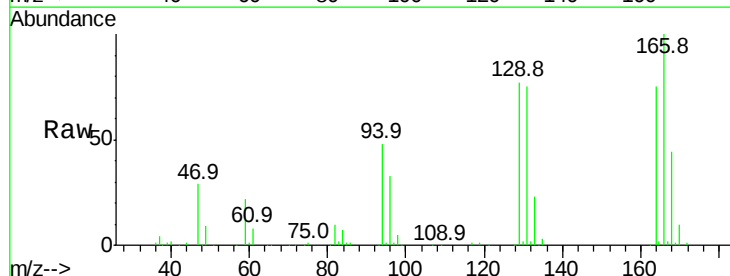
Ion Ratio Lower Upper

164 100

166 132.3 103.4 155.2

129 101.5 81.3 121.9

131 99.2 79.8 119.8

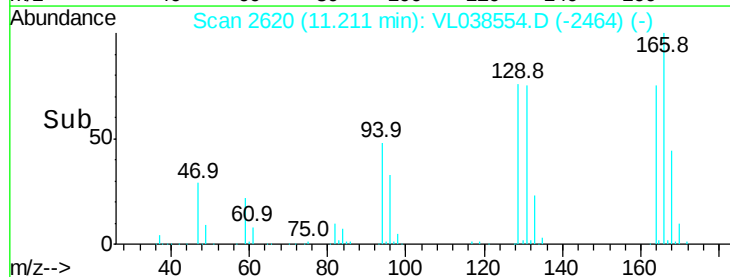
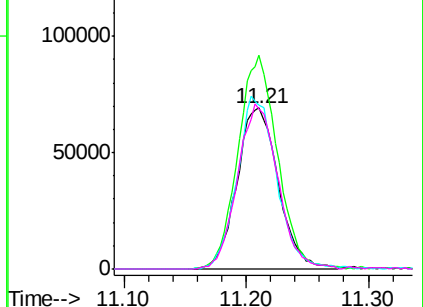


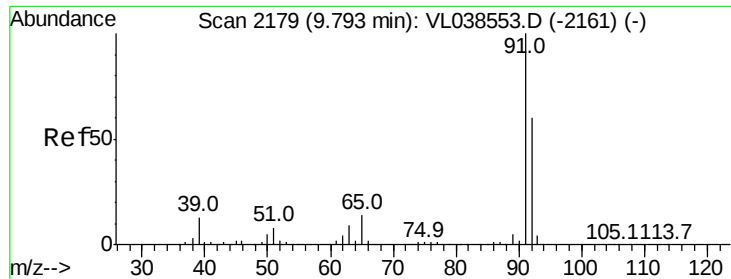
Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.17 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

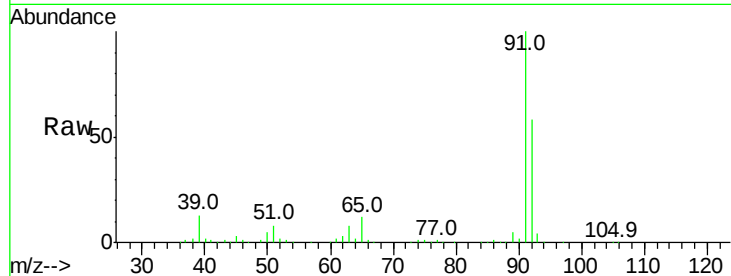
Acq: 8 Mar 2022 11:49

Tgt Ion: 91 Resp: 499095

Ion Ratio Lower Upper

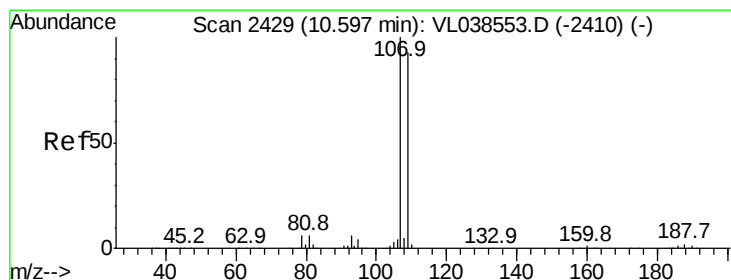
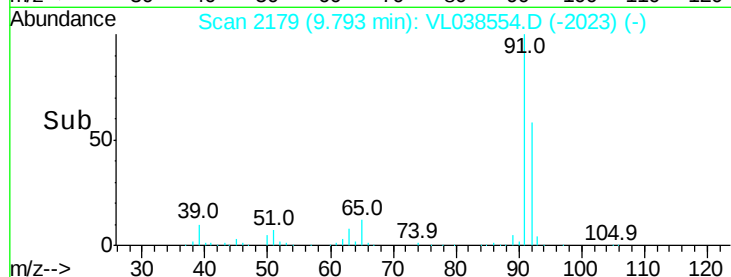
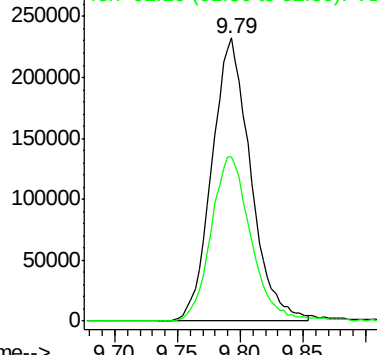
91 100

92 60.7 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.06 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL038554.D

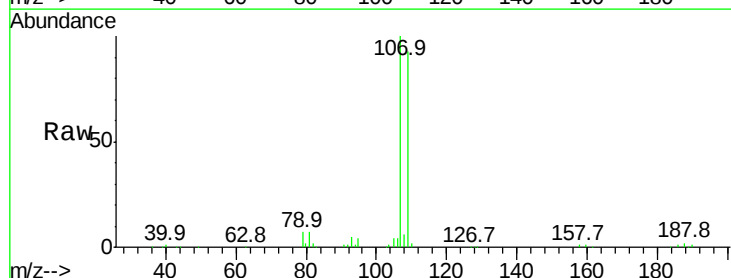
Acq: 8 Mar 2022 11:49

Tgt Ion: 107 Resp: 242708

Ion Ratio Lower Upper

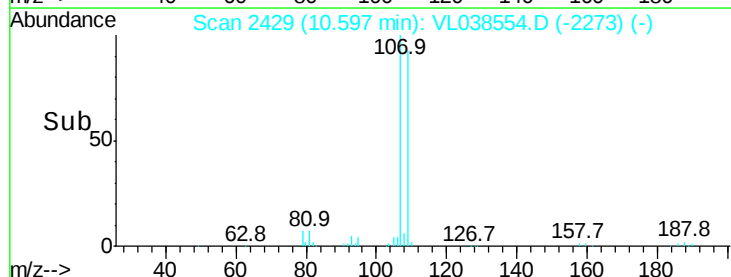
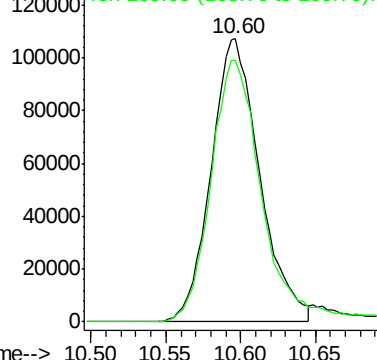
107 100

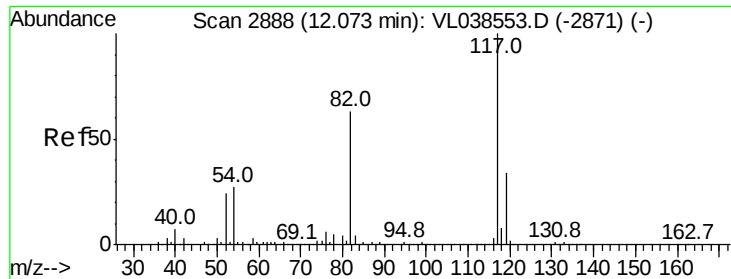
109 92.4 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

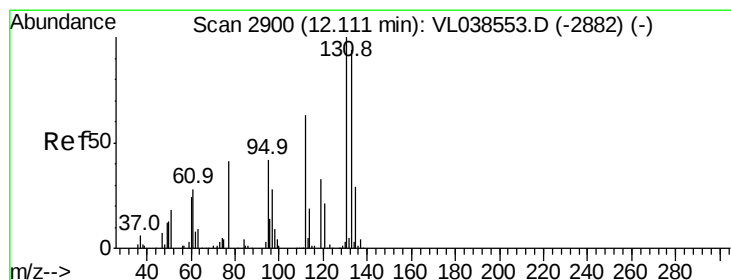
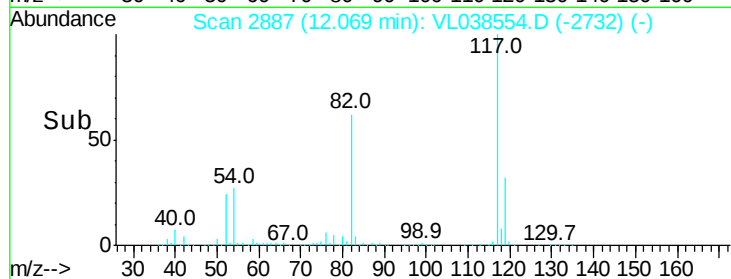
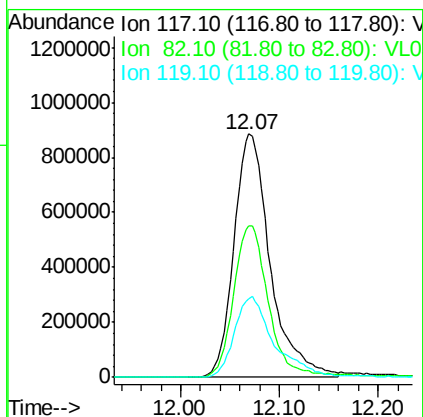
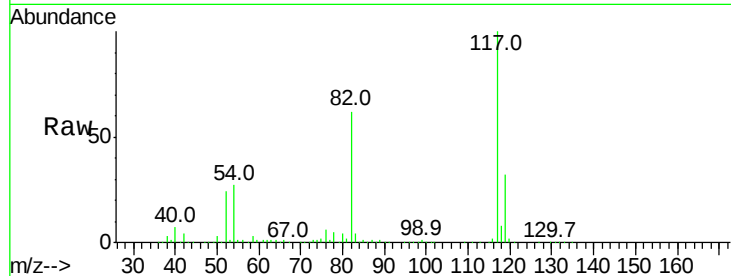
Ion 109.00 (108.70 to 109.70): V





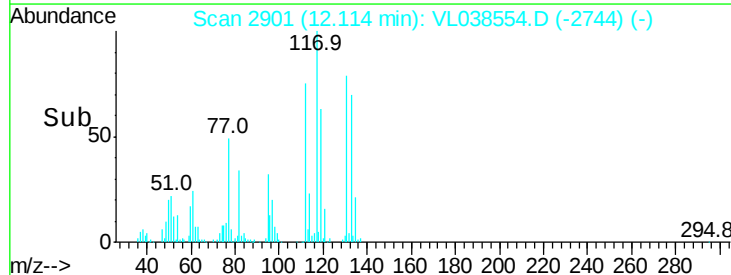
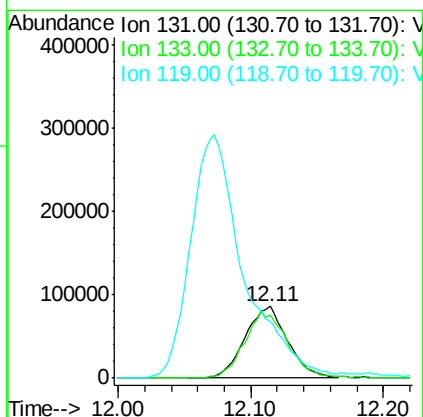
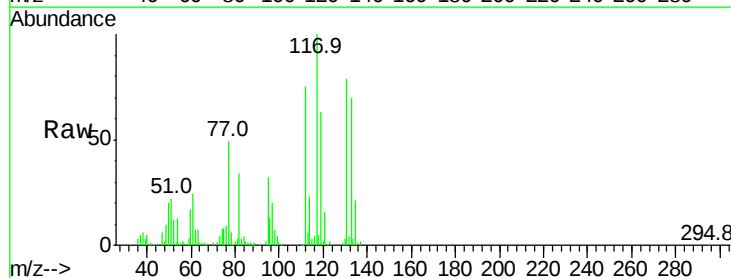
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 8 Mar 2022 11:49

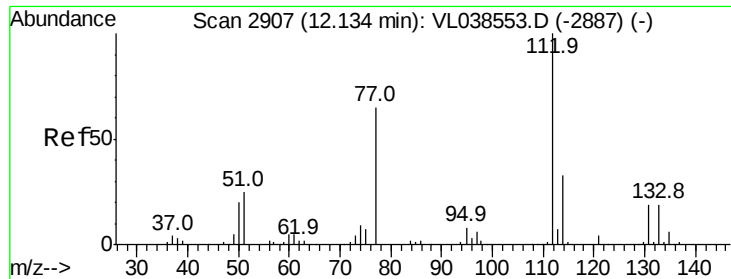
Tgt Ion: 117 Resp: 2261376
 Ion Ratio Lower Upper
 117 100
 82 61.7 52.5 78.7
 119 36.9 46.4 69.6#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 2.05 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T.: 0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

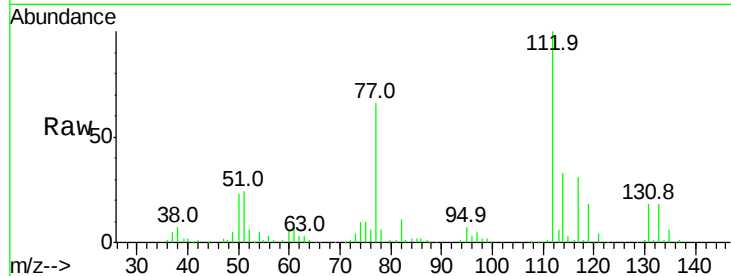
Tgt Ion: 131 Resp: 192930
 Ion Ratio Lower Upper
 131 100
 133 95.5 78.0 117.0
 119 438.9 53.1 79.7#



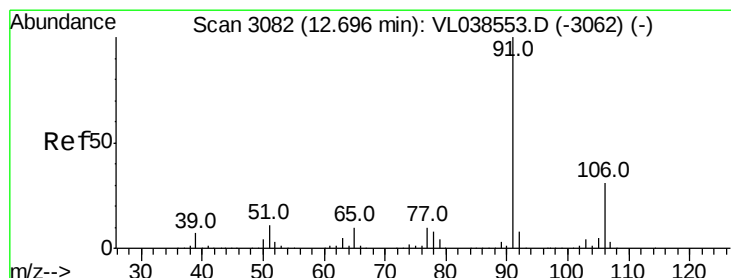
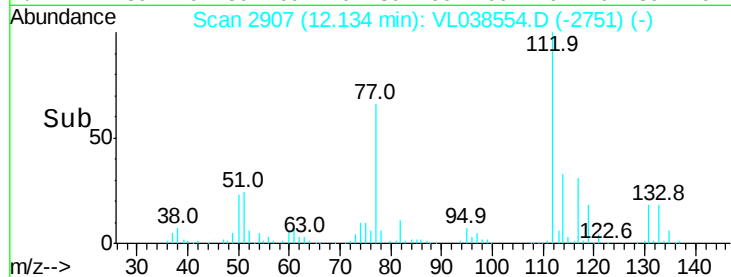
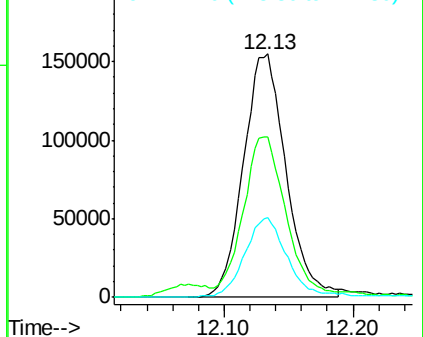


#57
Chlorobenzene
Concen: 2.04 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:49

Tgt Ion: 112 Resp: 355568
Ion Ratio Lower Upper
112 100
77 63.4 52.5 78.7
114 32.5 30.0 36.6

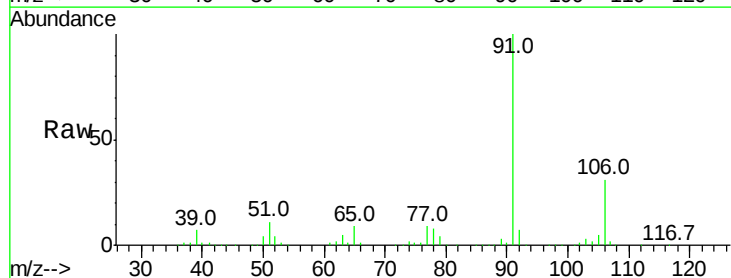


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

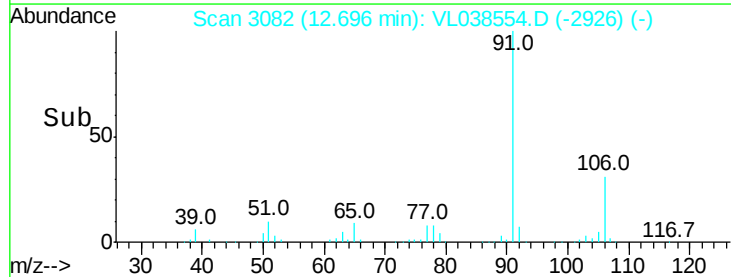
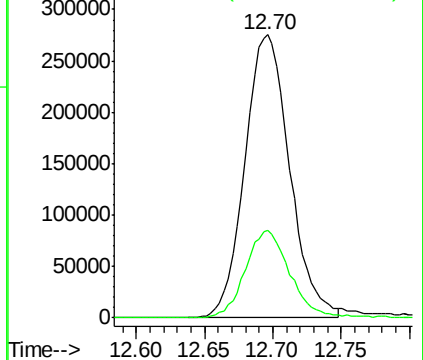


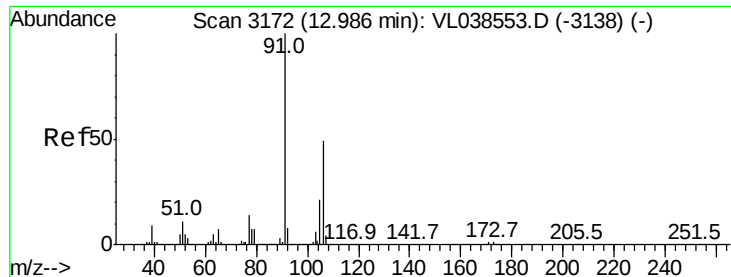
#58
Ethyl Benzene
Concen: 2.03 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

Tgt Ion: 91 Resp: 628273
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0



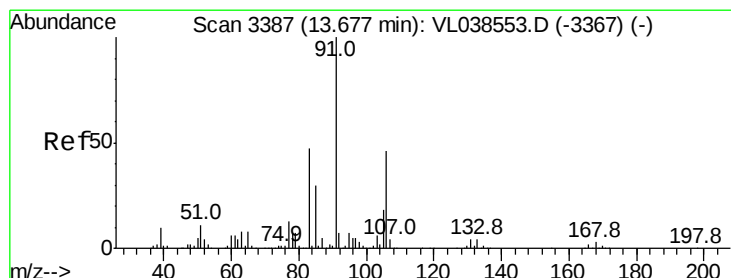
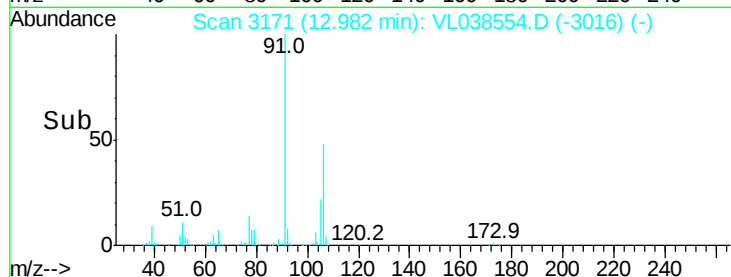
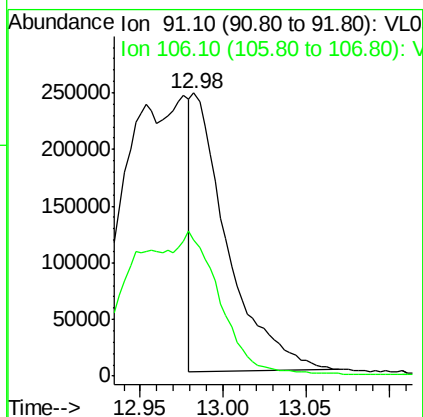
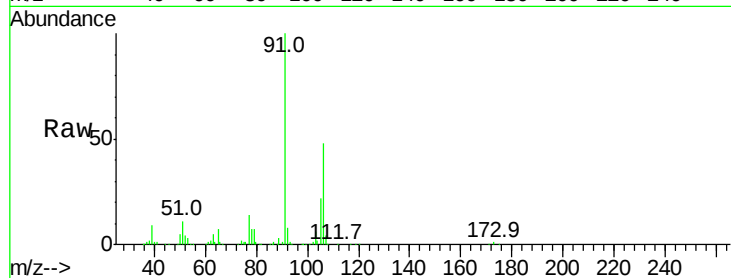
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





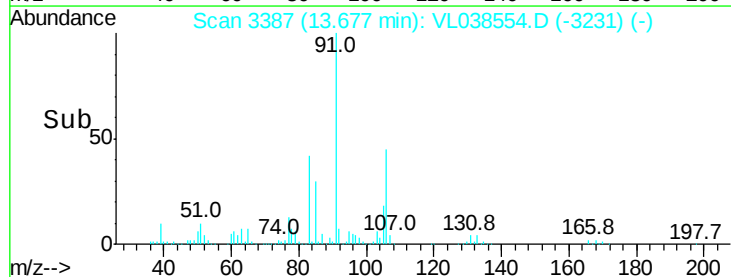
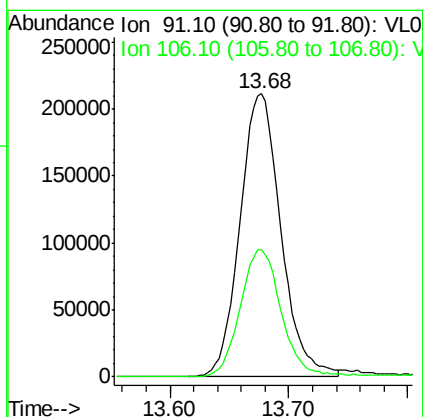
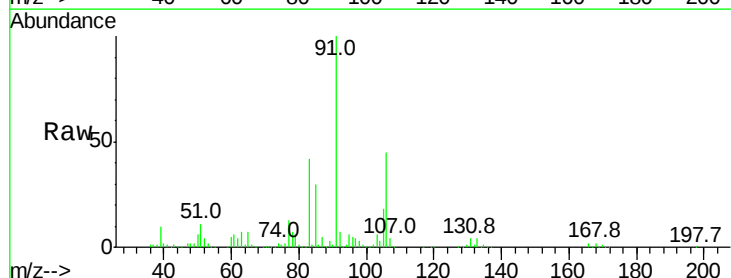
#59
m/p-Xylene
Concen: 1.37 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:49

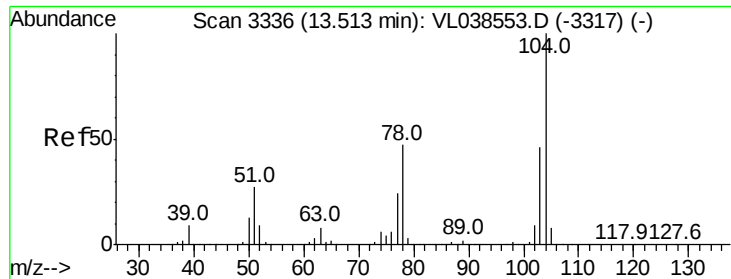
Tgt Ion: 91 Resp: 363758
Ion Ratio Lower Upper
91 100
106 133.5 37.1 55.7#



#60
o-Xylene
Concen: 2.00 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

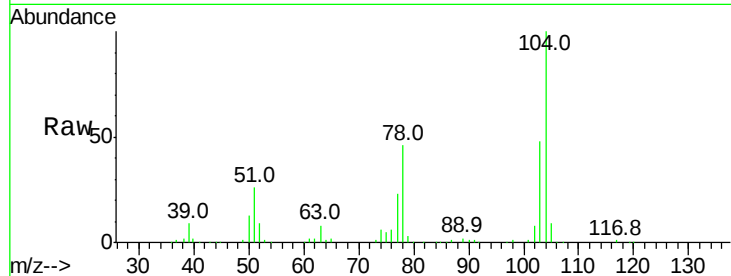
Tgt Ion: 91 Resp: 501992
Ion Ratio Lower Upper
91 100
106 46.4 23.5 70.6



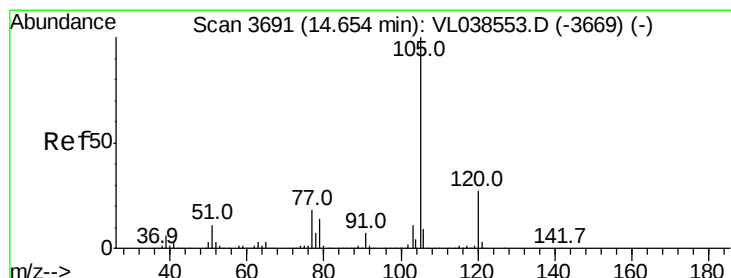
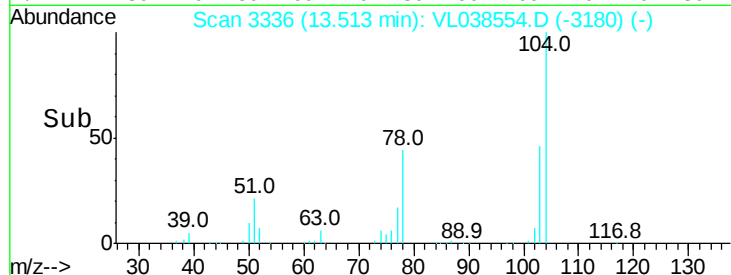
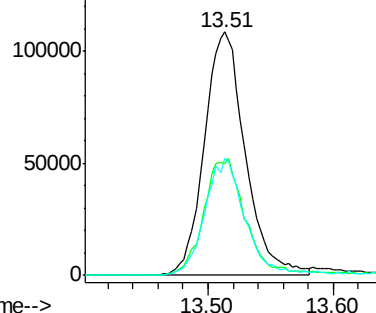


#61
Styrene
Concen: 2.13 ppbv
RT: 13.51
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.0	58.4
103	47.7	38.0	57.0

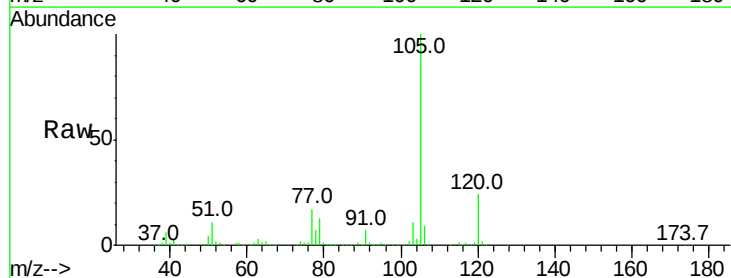


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

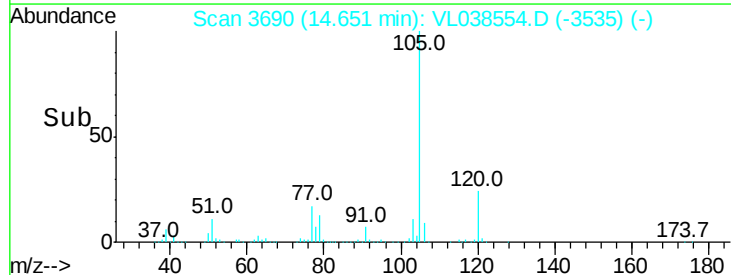
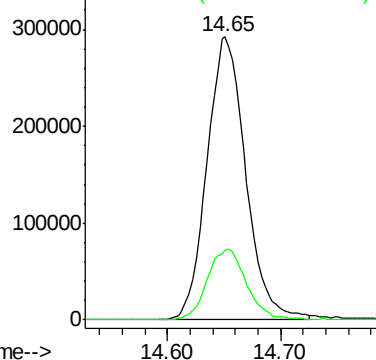


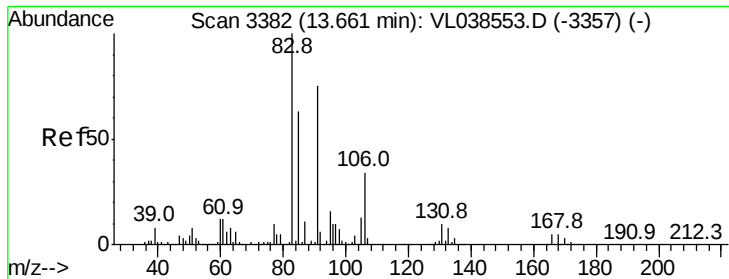
#62
Isopropylbenzene
Concen: 2.07 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.2	31.8



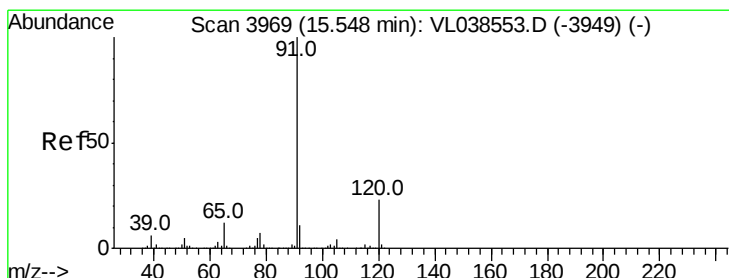
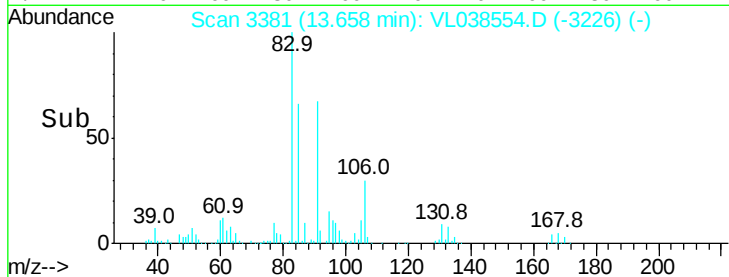
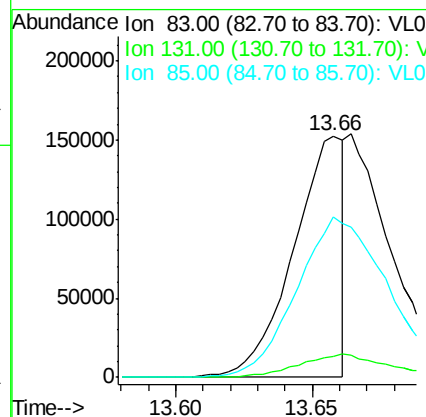
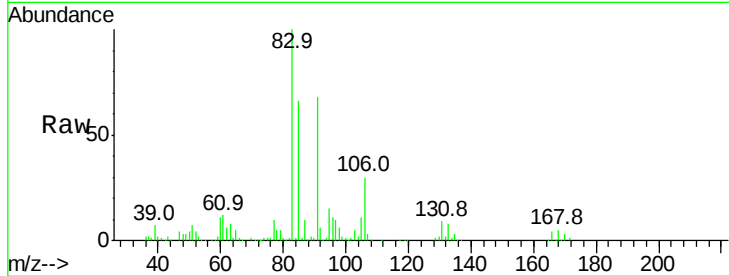
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





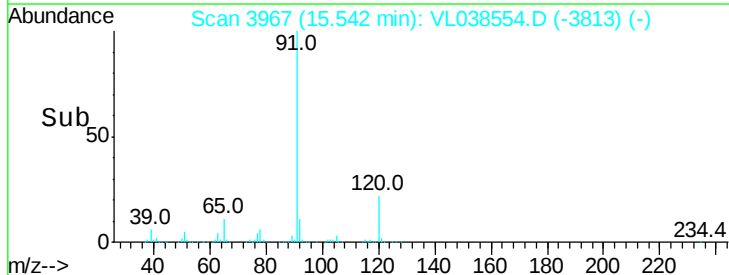
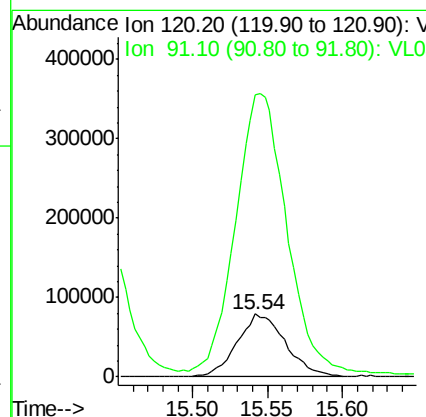
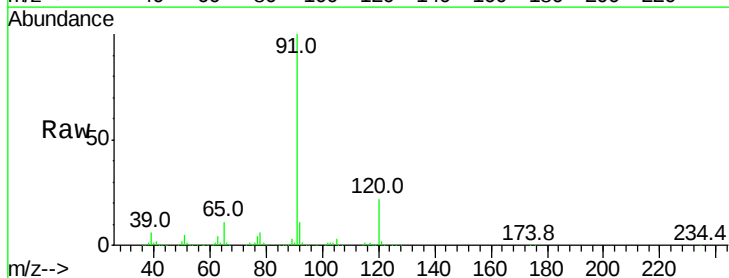
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.95 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC002
 Acq: 8 Mar 2022 11:49

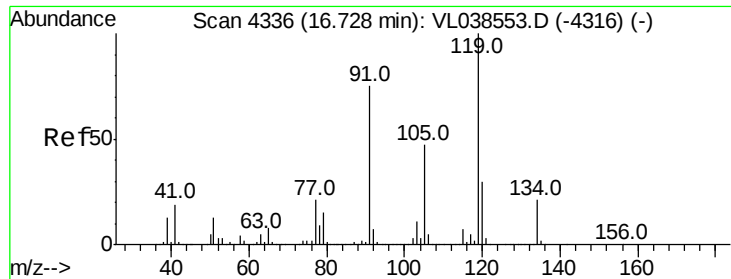
Tgt Ion: 83 Resp: 192999
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.1#
 85 130.5 32.6 98.0#



#64
 n-propylbenzene
 Concen: 2.13 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

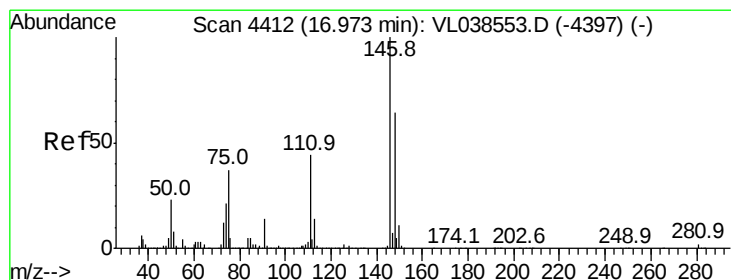
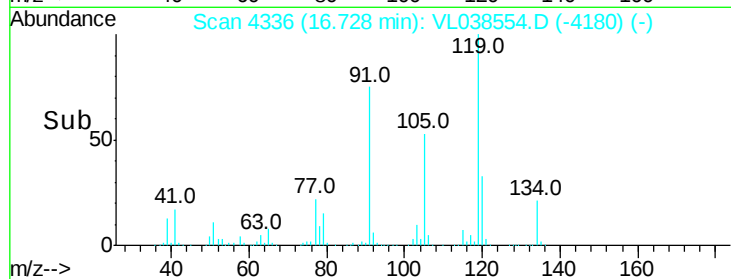
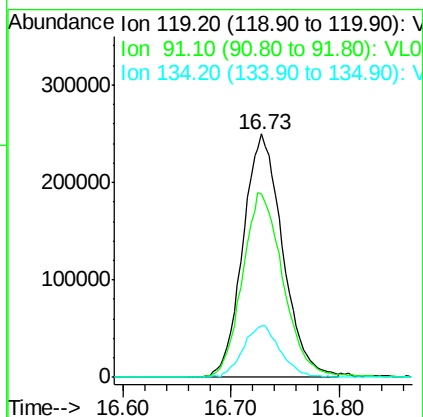
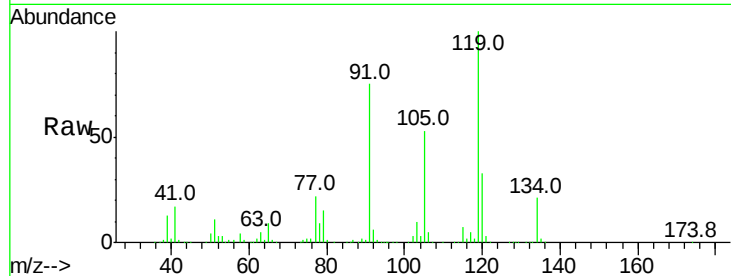
Tgt Ion: 120 Resp: 177472
 Ion Ratio Lower Upper
 120 100
 91 491.5 374.2 561.2





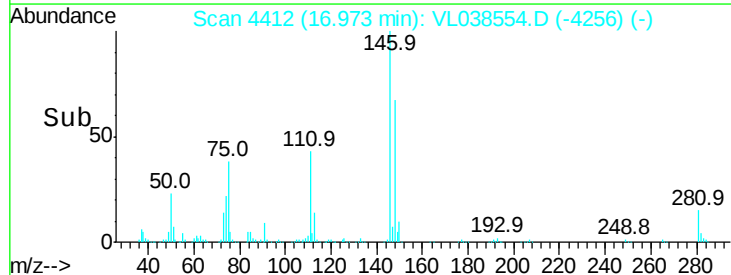
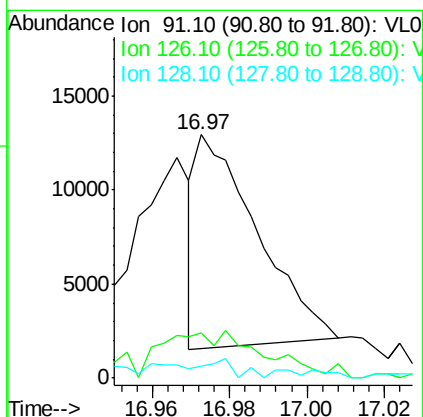
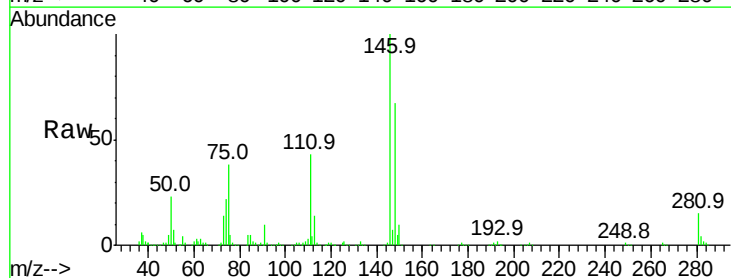
#65
 tert-Butylbenzene
 Concen: 2.18 ppbv
 RT: 16.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

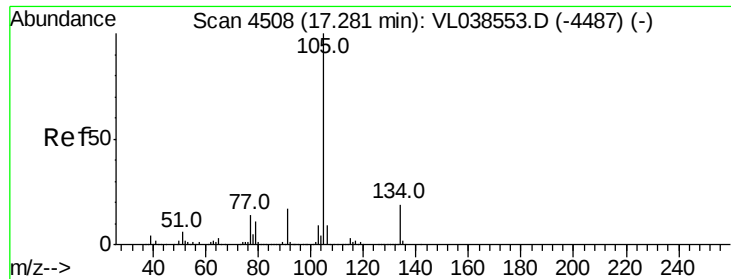
Tgt Ion: 119 Resp: 637383
 Ion Ratio Lower Upper
 119 100
 91 78.1 61.2 91.8
 134 20.2 16.2 24.2



#66
 Benzyl Chloride
 Concen: 0.78 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

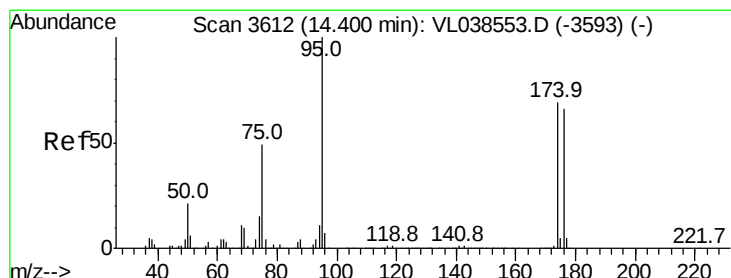
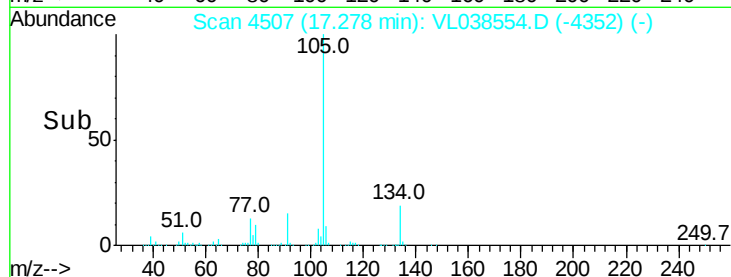
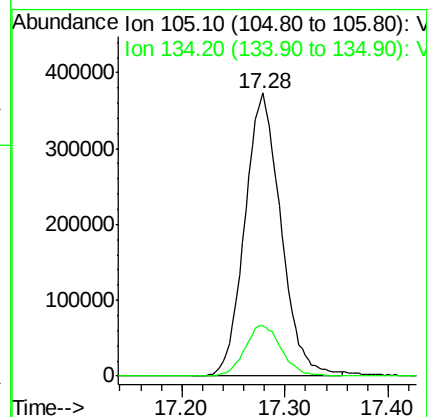
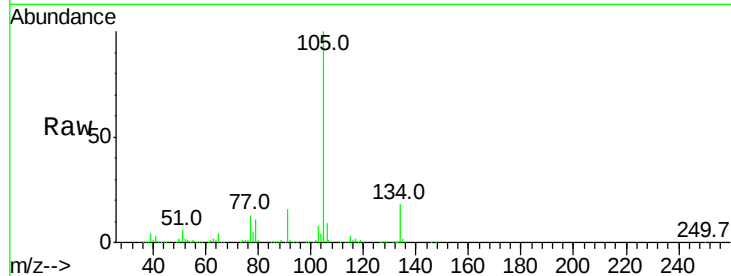
Tgt Ion: 91 Resp: 12299
 Ion Ratio Lower Upper
 91 100
 126 43.8 14.1 21.1#
 128 14.0 5.1 7.7#





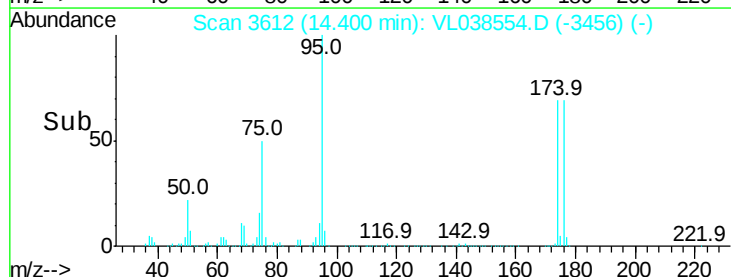
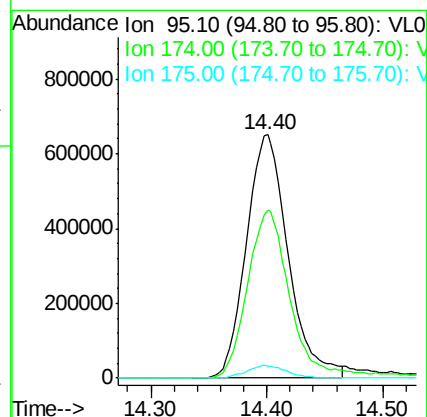
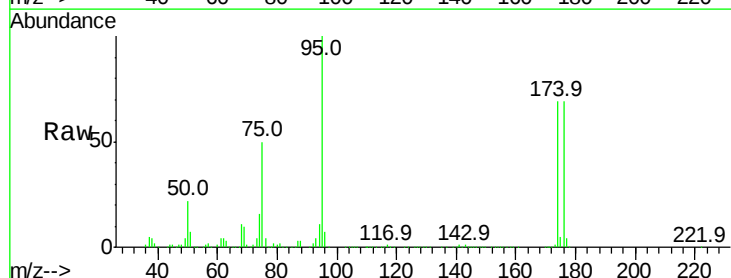
#67
 sec-Butylbenzene
 Concen: 2.19 ppbv
 RT: 17.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

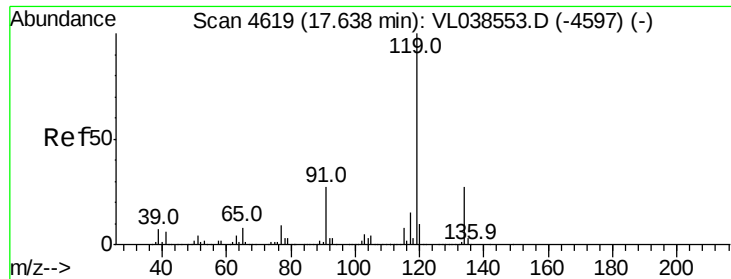
Tgt Ion: 105 Resp: 906280
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.71 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

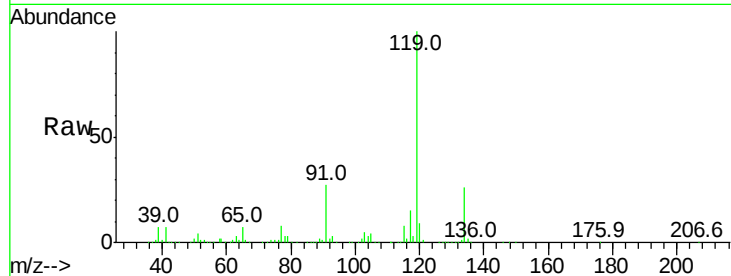
Tgt Ion: 95 Resp: 1629617
 Ion Ratio Lower Upper
 95 100
 174 72.6 56.2 84.4
 175 5.3 4.2 6.2



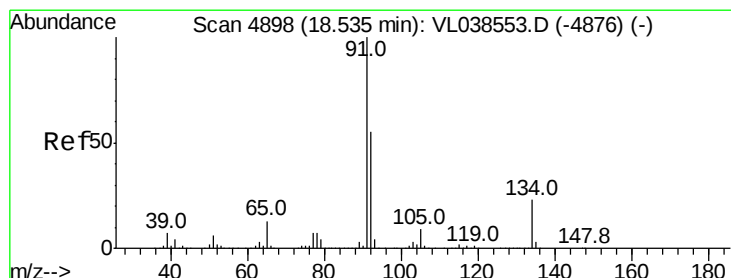
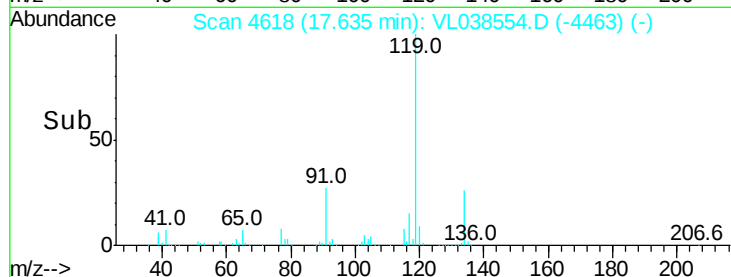
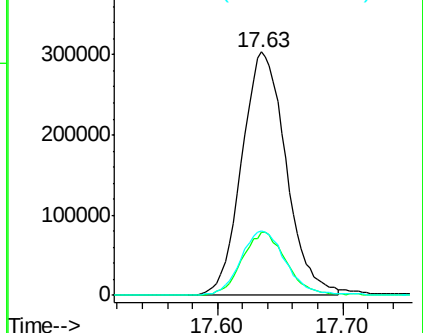


#69
 p-Isopropyltoluene
 Concen: 2.29 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

Tgt Ion:	119	Resp:	743897
Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.9	31.3
91	27.7	21.1	31.7

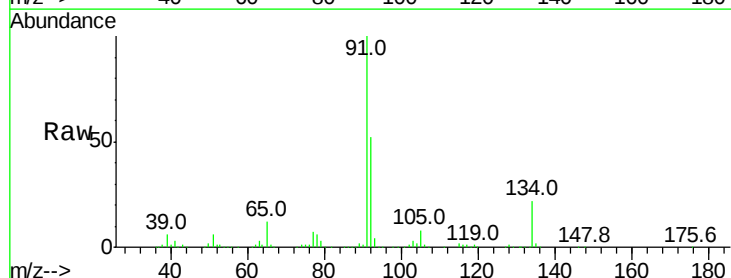


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

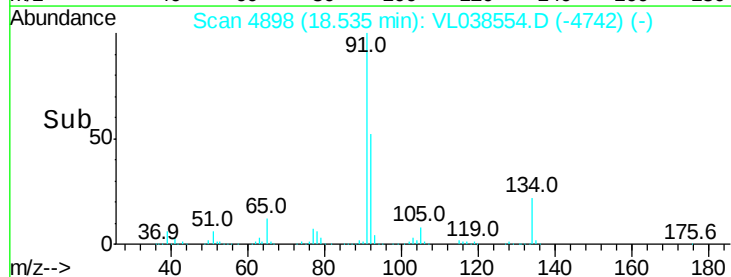
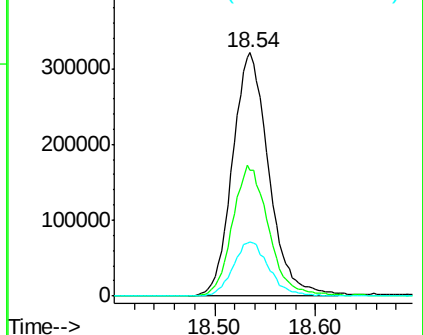


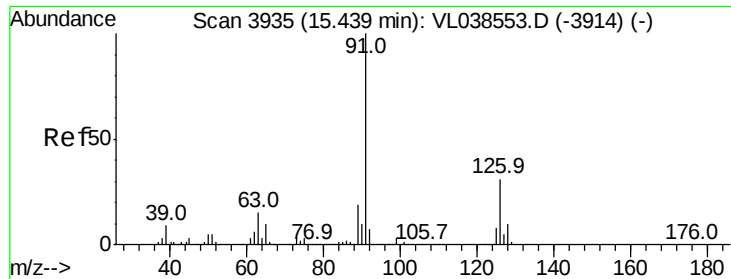
#70
 n-Butylbenzene
 Concen: 2.37 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion:	91	Resp:	797590
Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
134	22.3	18.7	28.1



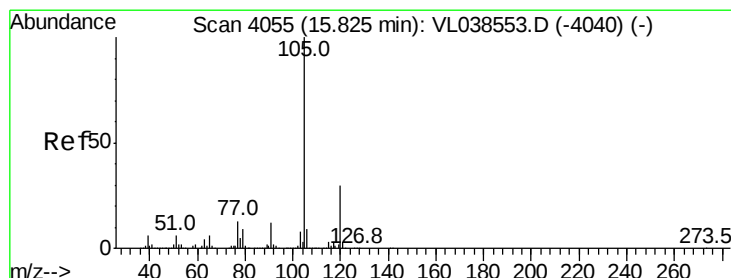
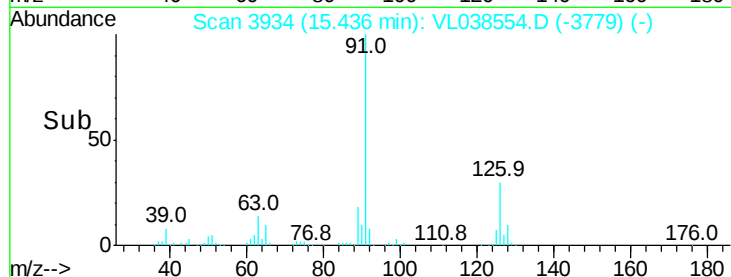
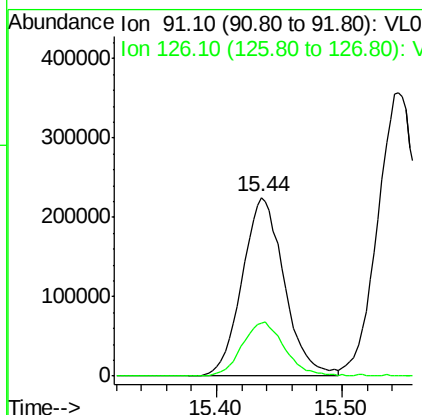
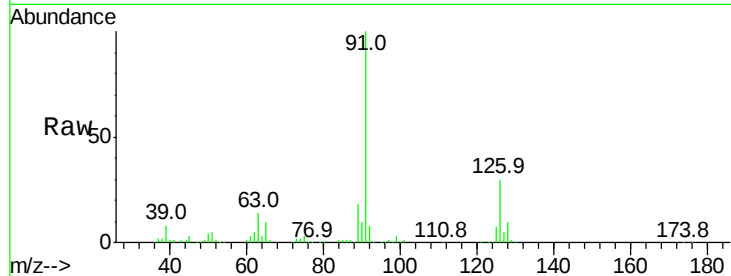
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





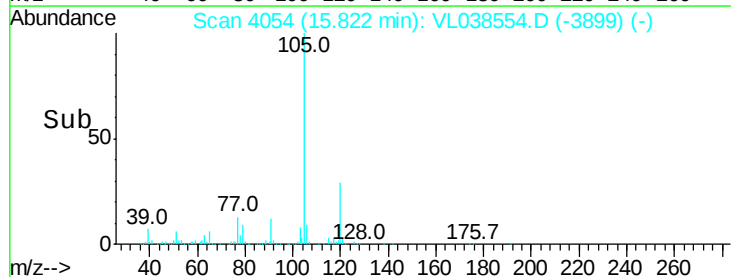
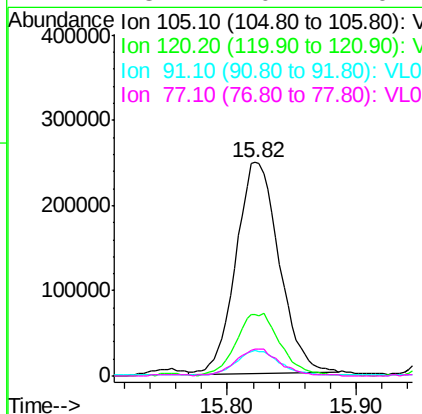
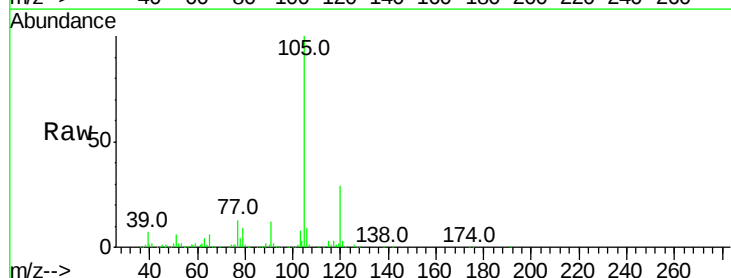
#71
 2-Chlorotoluene
 Concen: 2.02 ppbv
 RT: 15.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

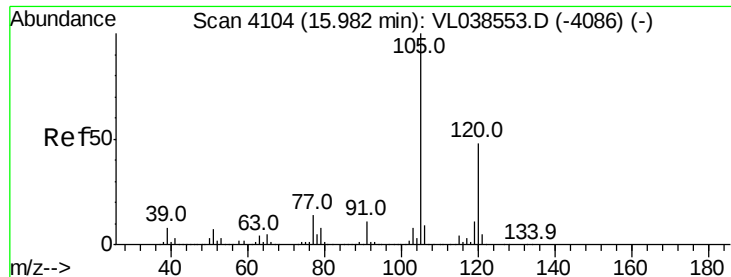
Tgt Ion: 91 Resp: 522582
 Ion Ratio Lower Upper
 91 100
 126 31.2 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 2.09 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion: 105 Resp: 579223
 Ion Ratio Lower Upper
 105 100
 120 31.7 25.0 37.4
 91 11.9 9.8 14.6
 77 13.2 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 2.10 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

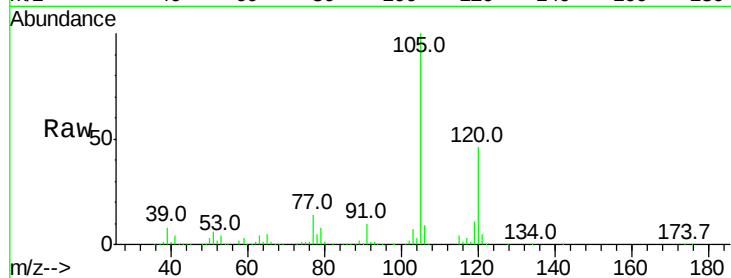
Acq: 8 Mar 2022 11:49

Tgt Ion:105 Resp: 528556

Ion Ratio Lower Upper

105 100

120 45.4 38.3 57.5



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

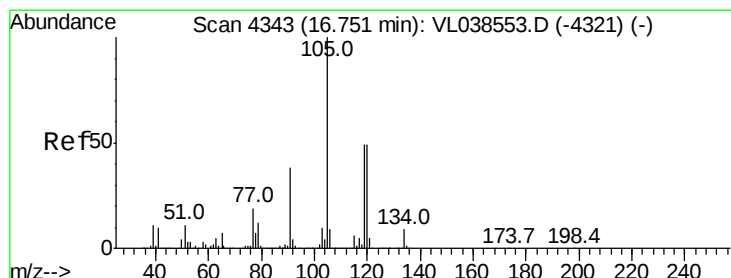
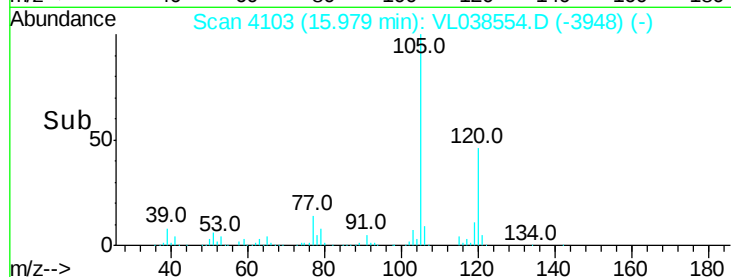
50000

0

Time-->

15.90

16.00



#74

1,2,4-Trimethylbenzene

Concen: 2.22 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

Tgt Ion:105 Resp: 589339

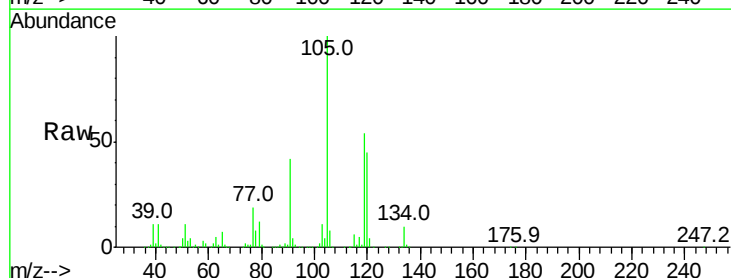
Ion Ratio Lower Upper

105 100

120 44.7 38.9 58.3

91 40.6 30.6 46.0

77 18.3 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

300000

200000

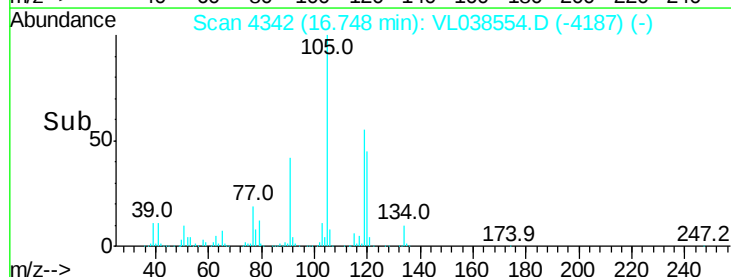
100000

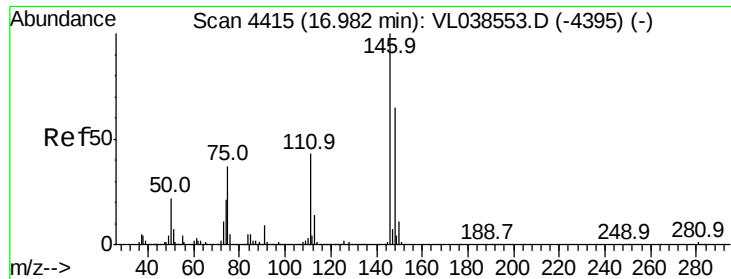
0

Time-->

16.70

16.80





#75

1,3-Dichlorobenzene

Concen: 2.35 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 11:49

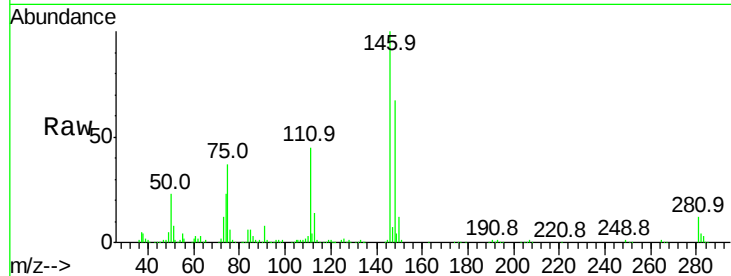
Tgt Ion:146 Resp: 349794

Ion Ratio Lower Upper

146 100

111 45.0 21.9 65.8

148 65.7 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

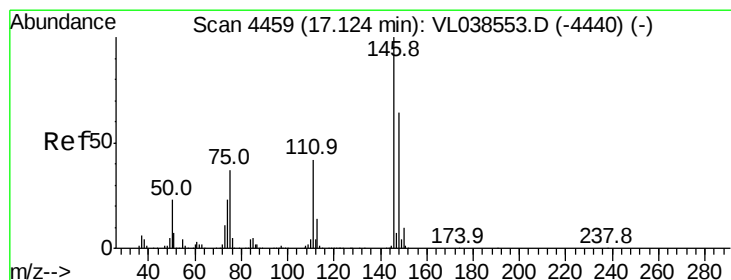
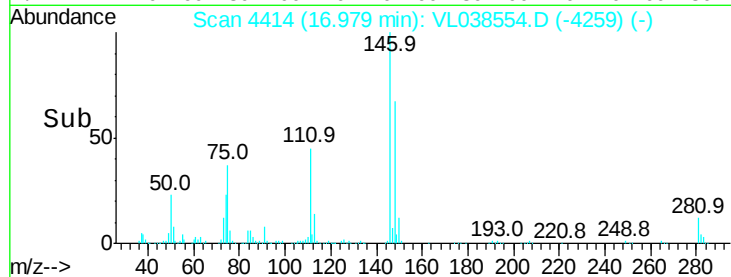
150000

100000

50000

0

Time--> 16.90 17.00



#76

1,4-Dichlorobenzene

Concen: 2.28 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.00 min

Lab File: VL038554.D

Acq: 8 Mar 2022 11:49

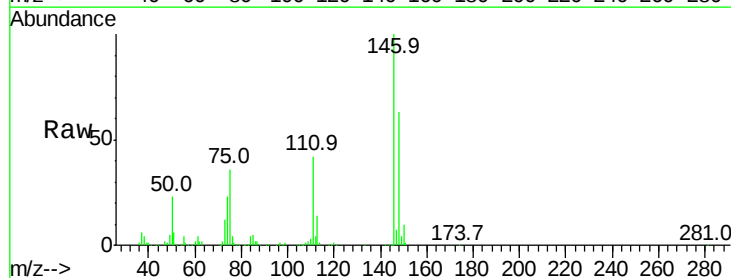
Tgt Ion:146 Resp: 334418

Ion Ratio Lower Upper

146 100

111 45.7 21.8 65.3

148 68.3 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

200000

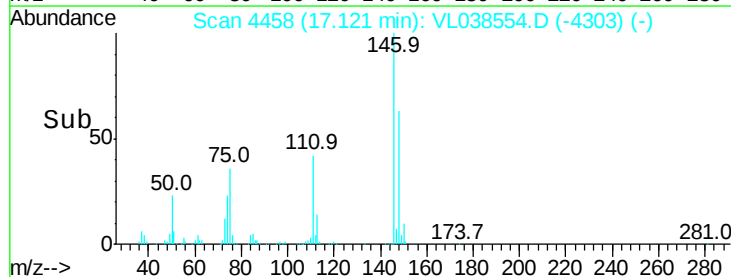
150000

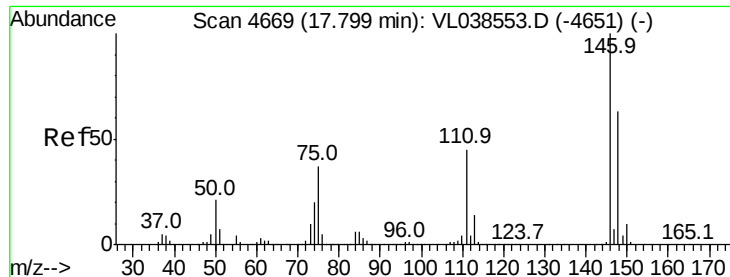
100000

50000

0

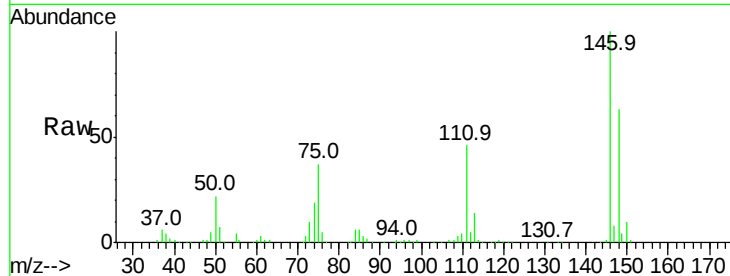
Time--> 17.05 17.10 17.15 17.20



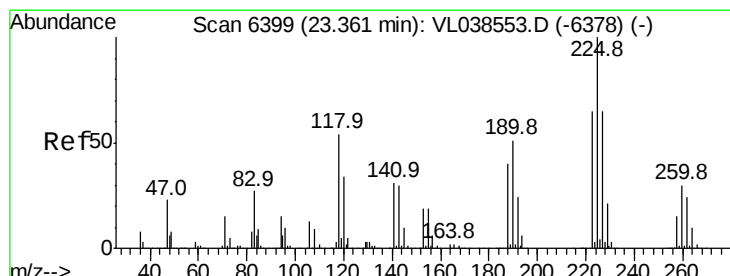
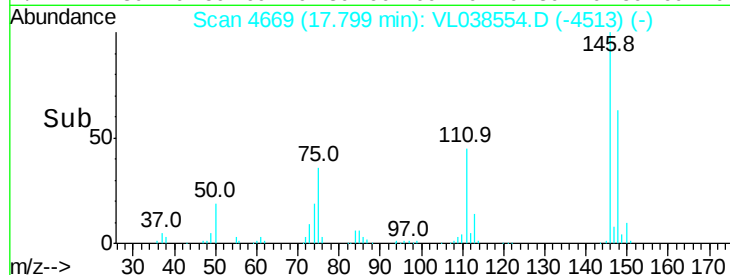
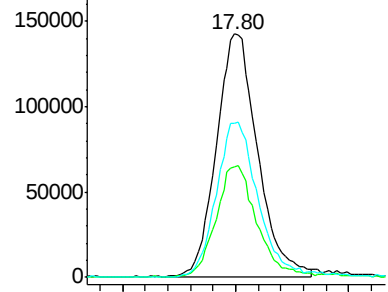


#77
 1,2-Dichlorobenzene
 Concen: 2.51 ppbv
 RT: 17.80
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.2	69.5
148	66.3	32.6	98.0

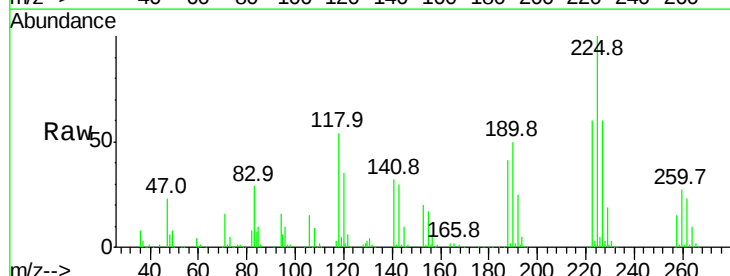


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

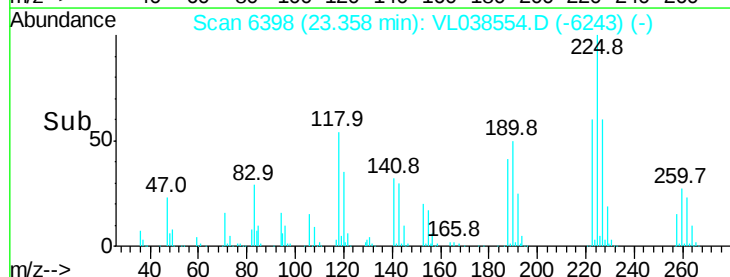
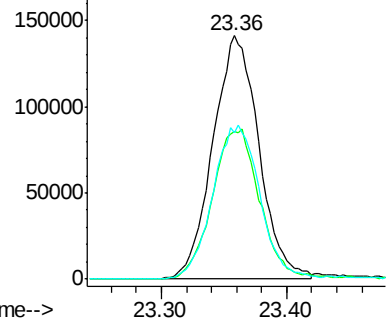


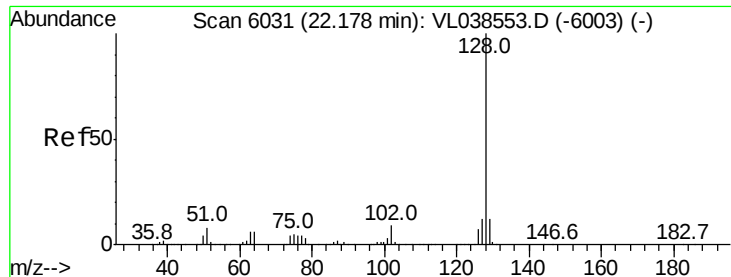
#78
 Hexachloro-1,3-Butadiene
 Concen: 3.29 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.00 min
 Lab File: VL038554.D
 Acq: 8 Mar 2022 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.4	77.0
227	65.8	51.9	77.9



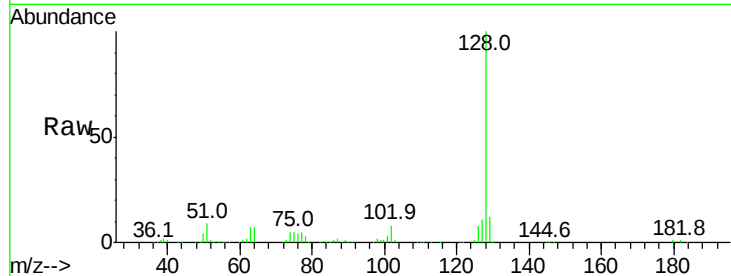
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



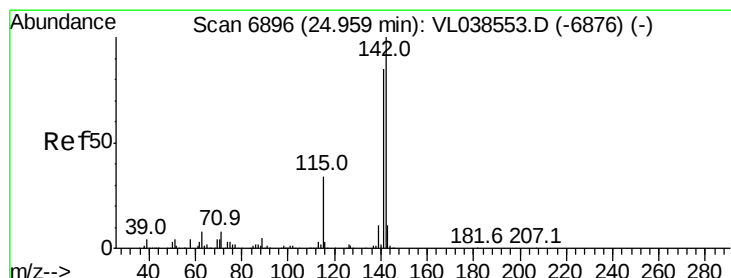
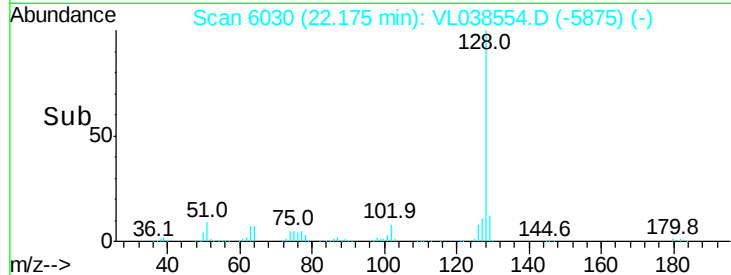
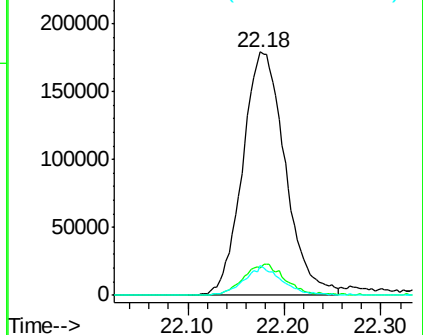


#79
Naphthalene
Concen: 3.82 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 11:49

Tgt Ion:	128	Resp:	549511
Ion	Ratio	Lower	Upper
128	100		
127	11.3	9.9	14.9
129	12.5	9.3	13.9

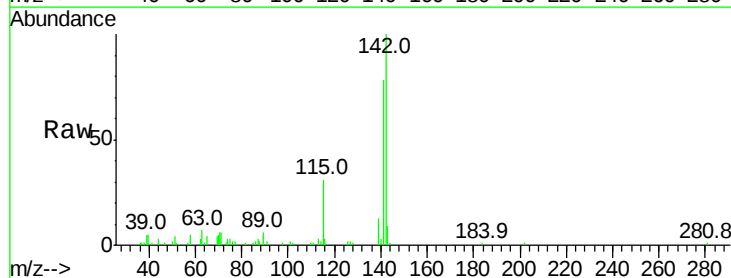


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

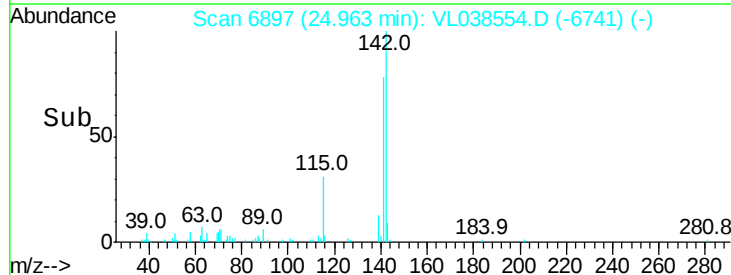
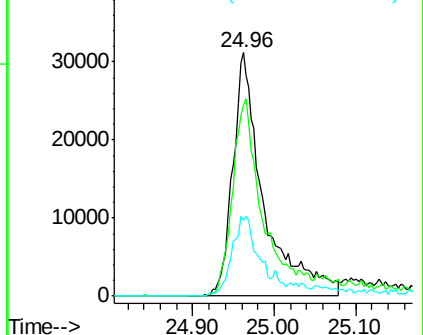


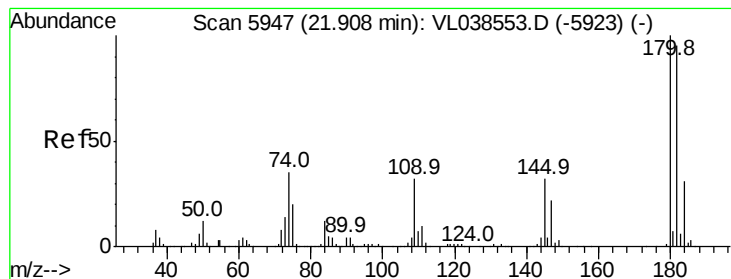
#80
Naphthalene, 2-methyl-
Concen: 2.96 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL038554.D
Acq: 8 Mar 2022 11:49

Tgt Ion:	142	Resp:	83000
Ion	Ratio	Lower	Upper
142	100		
141	91.7	68.4	102.6
115	36.3	27.9	41.9



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: 3.76 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 8 Mar 2022 11:49

Tgt Ion:180 Resp: 326999
 Ion Ratio Lower Upper
 180 100
 182 97.2 79.1 118.7
 184 30.6 25.0 37.6

