

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038749.D
 Acq On : 24 Mar 2022 15:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 26 09:52:05 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 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	933202	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2519240	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2412267m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1857367	10.04	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	1582949	12.62	ppbv	99
3) Chlorodifluoromethane	3.00	51	893000	9.06	ppbv	98
4) Chloromethane	3.15	50	482305	8.91	ppbv	98
5) Vinyl Chloride	3.27	62	503219	9.15	ppbv	98
6) Bromomethane	3.48	94	289679	9.88	ppbv	99
7) Chloroethane	3.57	64	168598	9.26	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1214783	9.70	ppbv	98
9) Propene	3.02	41	408744	8.59	ppbv	98
10) Heptane	8.13	43	1000104	8.79	ppbv	98
11) Trichlorofluoromethane	3.96	101	1141756	10.31	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	856304	10.05	ppbv	97
13) Ethanol	3.62	45	36998m	7.05	ppbv	
14) Bromoethene	3.75	108	393379	10.38	ppbv	98
15) Acetone	3.86	43	769406	9.56	ppbv	100
16) 1,3-Butadiene	3.34	39	438568	9.60	ppbv	97
17) tert-Butyl alcohol	4.29	59	733449	10.43	ppbv	100
18) 1,1-Dichloroethene	4.30	96	401100	10.48	ppbv	95
19) Isopropyl Alcohol	3.97	45	413555	9.26	ppbv	99
20) Methylene Chloride	4.35	84	315470	9.30	ppbv	99
21) Allyl Chloride	4.42	41	609136	10.51	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	423495	10.66	ppbv	99
23) Vinyl Acetate	5.08	43	880216	11.29	ppbv	99
24) 1,1-Dichloroethane	5.02	63	778583	10.14	ppbv	100
25) Ethyl Acetate	5.68	43	1829867	9.03	ppbv	99
26) Hexane	5.70	57	825530	9.10	ppbv	97
27) Carbon Disulfide	4.56	76	1020457	11.46	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	760665	11.25	ppbv	99
29) Chloroform	5.76	83	1354854	9.32	ppbv	99
30) Cyclohexane	7.14	84	706101	8.95	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	827277	9.69	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1370838	9.78	ppbv	99
34) 2-Butanone	5.25	43	912771	9.15	ppbv	98
35) Carbon Tetrachloride	7.03	117	1428884	9.78	ppbv	99
36) Benzene	6.90	78	1730303	8.90	ppbv	100
37) 1,2-Dichloroethane	6.31	62	943817	9.54	ppbv	99
38) Trichloroethene	7.84	130	753097	9.25	ppbv	99
39) 1,2-Dichloropropane	7.62	63	648420	8.53	ppbv	96
40) 1,4-Dioxane	7.83	88	223634	8.47	ppbv	88
41) Tetrahydrofuran	6.05	42	650941	8.77	ppbv	97
42) Bromodichloromethane	7.80	83	1451337	9.79	ppbv	100
43) Methyl Methacrylate	8.02	69	695370	9.63	ppbv	97

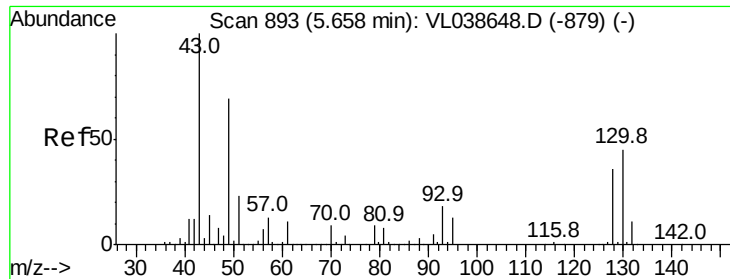
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2792525	8.55	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	819328	11.16	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1005661	10.13	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	698664	8.61	ppbv	98
48) Dibromochloromethane	10.31	129	1255786	9.88	ppbv	99
49) Bromoform	13.05	173	1035345	9.99	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1649103	8.90	ppbv	99
51) 2-Hexanone	10.14	43	1264405	9.50	ppbv	99
52) Tetrachloroethene	11.23	164	634346	8.92	ppbv	97
53) Toluene	9.81	91	1961772	9.39	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1043308	9.42	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	876831	8.77	ppbv #	57
57) Chlorobenzene	12.15	112	1446140	8.31	ppbv	100
58) Ethyl Benzene	12.72	91	2550424	9.04	ppbv	100
59) m/p-Xylene	13.00	91	4272771m	17.32	ppbv	
60) o-Xylene	13.70	91	2034424	8.69	ppbv	99
61) Styrene	13.53	104	1236402	9.73	ppbv	99
62) Isopropylbenzene	14.67	105	2967512	8.43	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1299799	7.16	ppbv	100
64) n-propylbenzene	15.57	120	784623	8.49	ppbv	100
65) tert-Butylbenzene	16.75	119	2610423	8.25	ppbv	98
66) Benzyl Chloride	16.99	91	666998	11.13	ppbv	100
67) sec-Butylbenzene	17.30	105	3709245	8.20	ppbv	100
69) p-Isopropyltoluene	17.66	119	3096813	8.39	ppbv	99
70) n-Butylbenzene	18.55	91	3247236	8.53	ppbv	100
71) 2-Chlorotoluene	15.46	91	2214661	8.47	ppbv	99
72) 4-Ethyltoluene	15.85	105	2417380	8.74	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2153926	8.55	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	2292552	8.35	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1388721	7.94	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1355399	7.80	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1371405	7.92	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1284426	8.03	ppbv	100
79) Naphthalene	22.20	128	2230214	10.64	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	374064m	6.65	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	1289159	8.98	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 15:41 VSTDCCC010

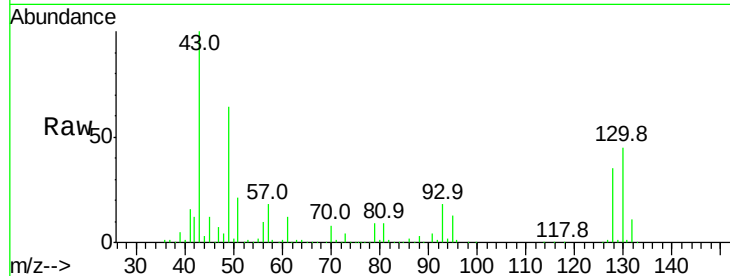
Tgt Ion: 49 Resp: 933202

Ion Ratio Lower Upper

49 100

128 54.8 26.2 78.6

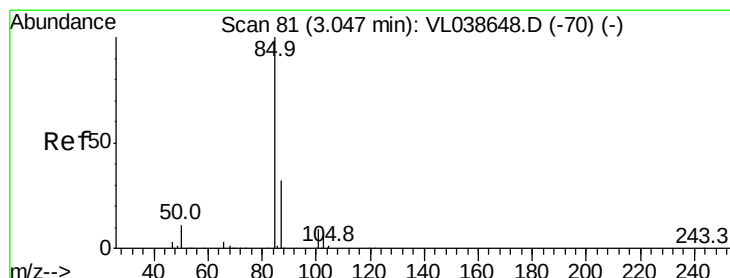
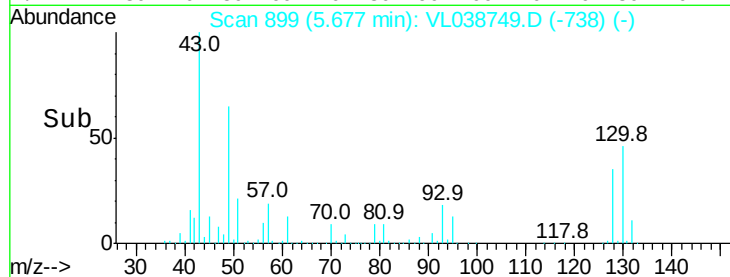
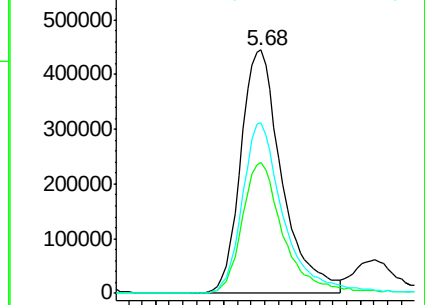
130 71.6 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.62 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL038749.D

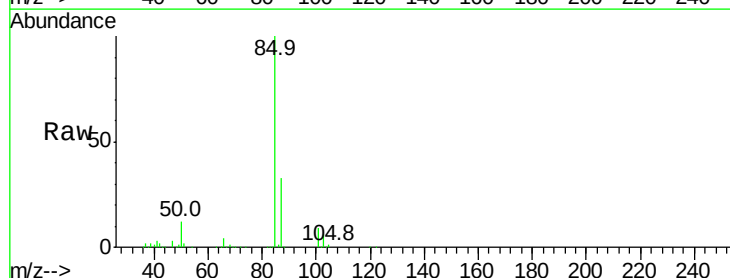
Acq: 24 Mar 2022 15:41

Tgt Ion: 85 Resp: 1582949

Ion Ratio Lower Upper

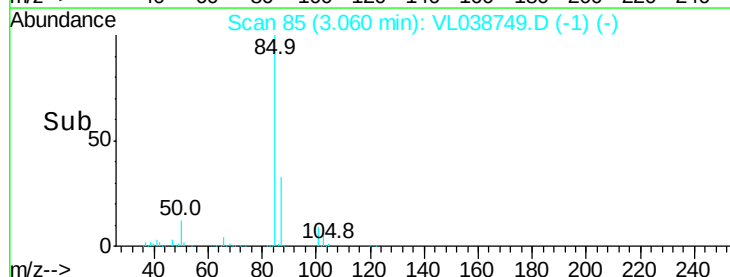
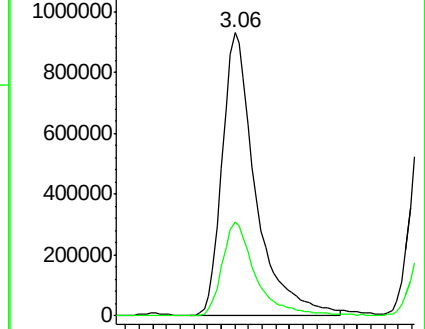
85 100

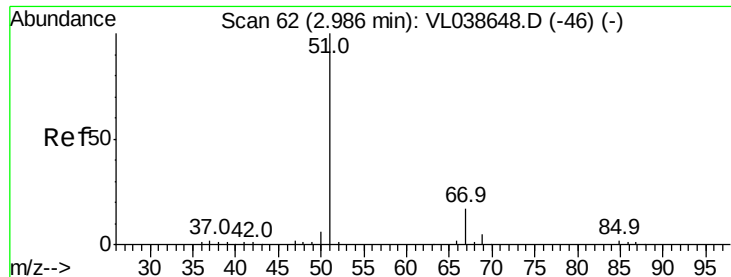
87 33.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.06 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

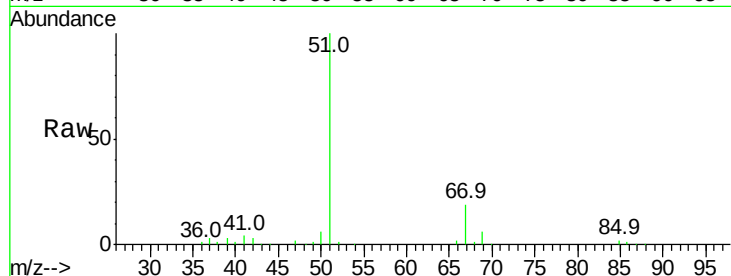
Acq: 24 Mar 2022 15:41

Tgt Ion: 51 Resp: 893000

Ion Ratio Lower Upper

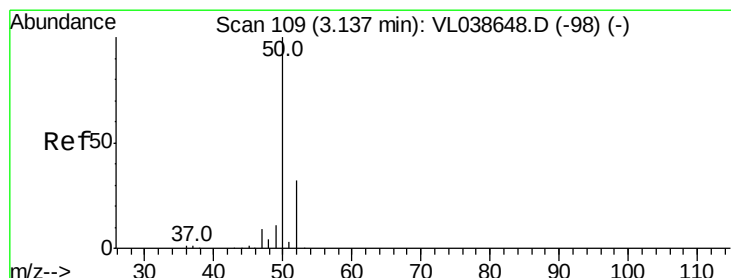
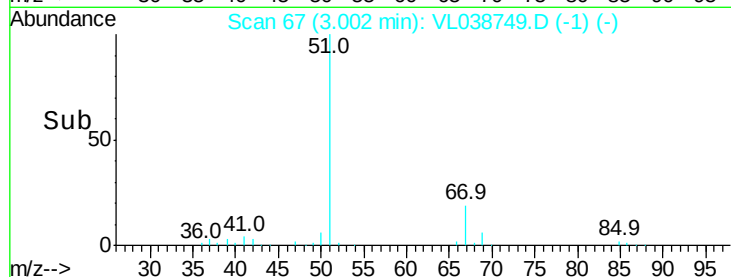
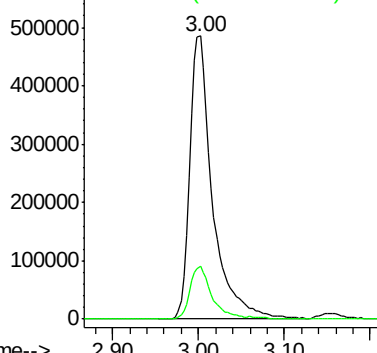
51 100

67 18.5 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: 8.91 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL038749.D

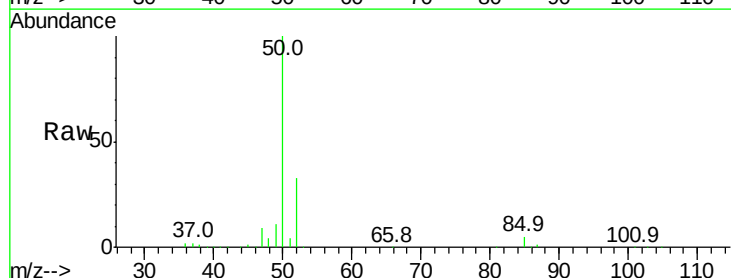
Acq: 24 Mar 2022 15:41

Tgt Ion: 50 Resp: 482305

Ion Ratio Lower Upper

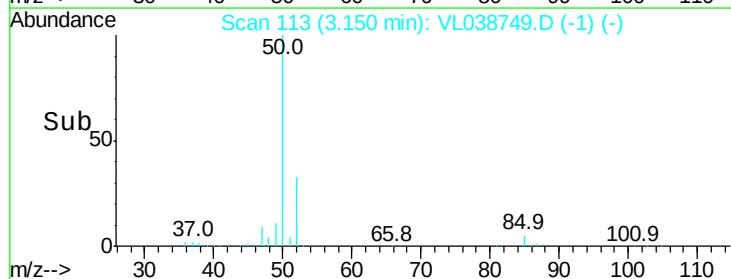
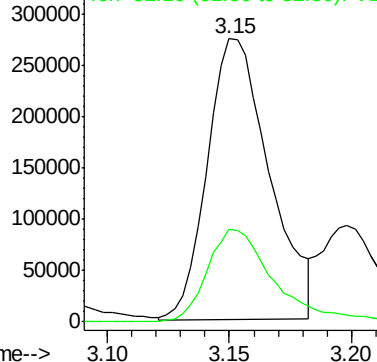
50 100

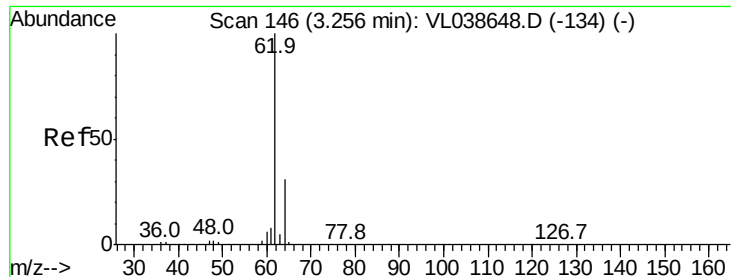
52 33.0 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.15 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

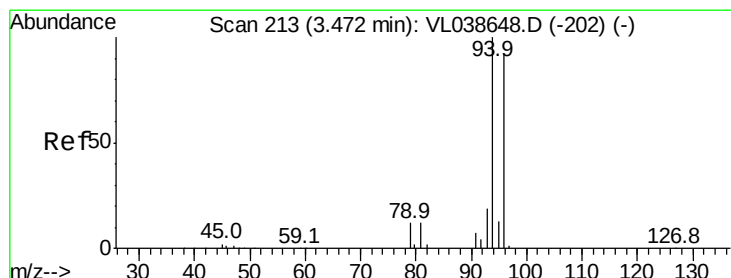
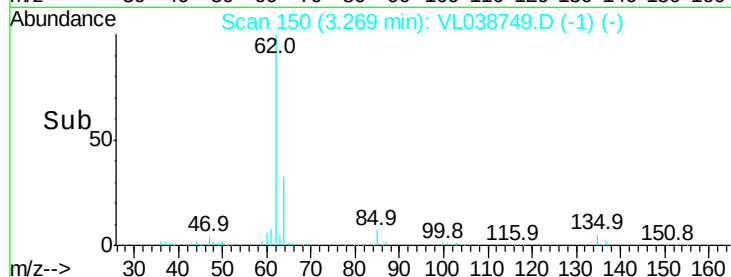
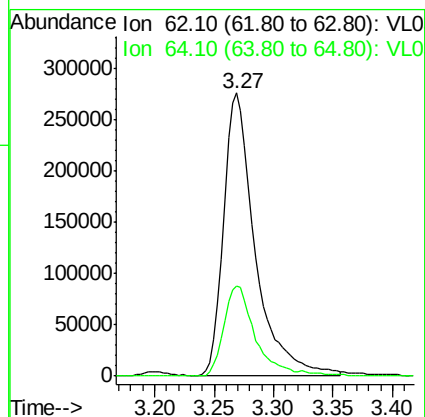
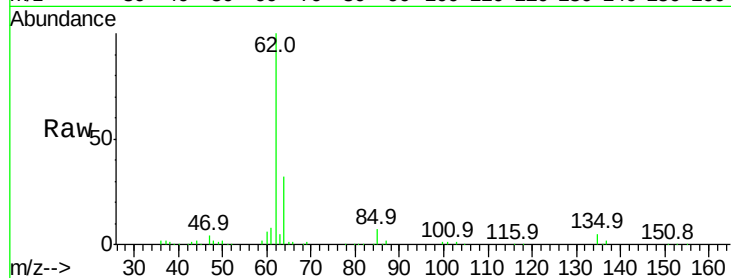
Acq: 24 Mar 2022 15:41

Tgt Ion: 62 Resp: 503219

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4



#6

Bromomethane

Concen: 9.88 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL038749.D

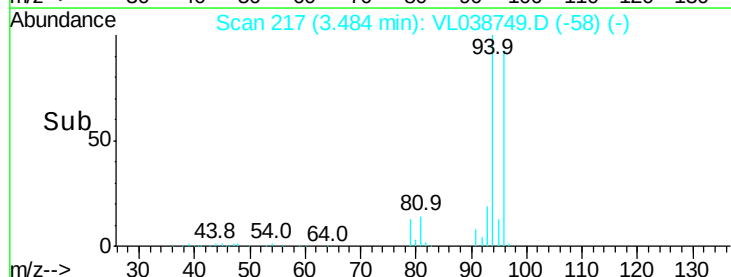
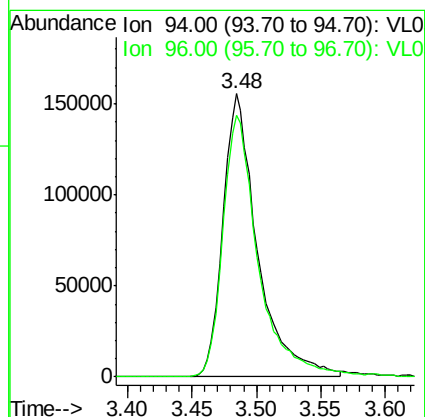
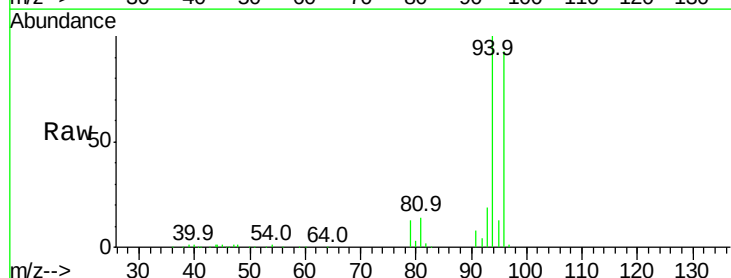
Acq: 24 Mar 2022 15:41

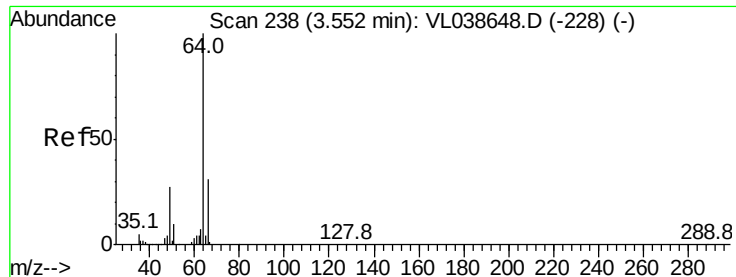
Tgt Ion: 94 Resp: 289679

Ion Ratio Lower Upper

94 100

96 92.6 73.3 109.9





#7

Chloroethane

Concen: 9.26 ppbv

RT: 3.57 Instrument: MSVOA_L

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

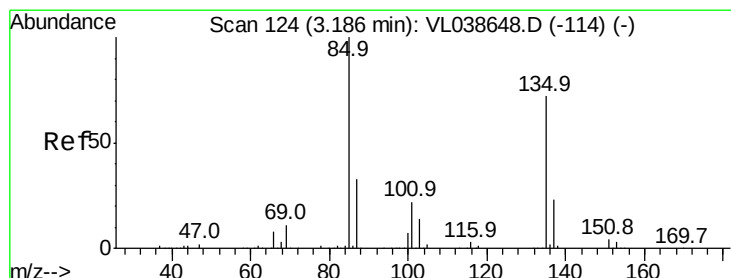
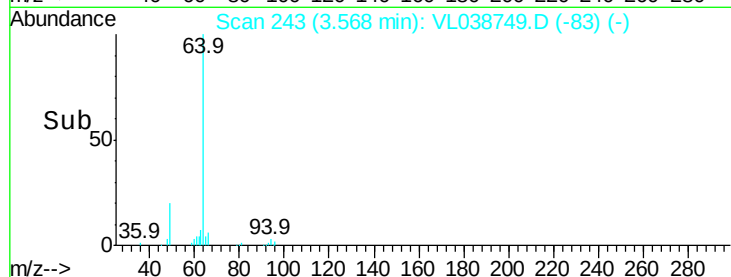
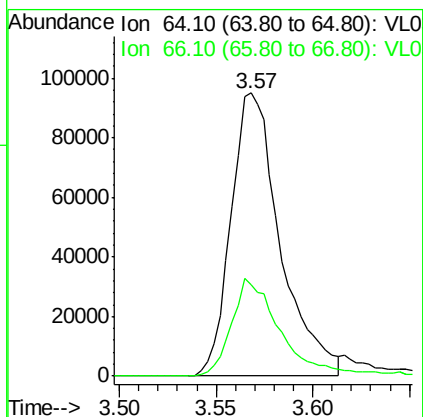
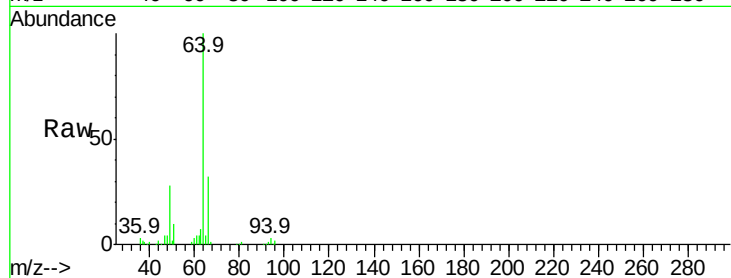
Acq: 24 Mar 2022 15:41

Tgt Ion: 64 Resp: 168598

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 9.70 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL038749.D

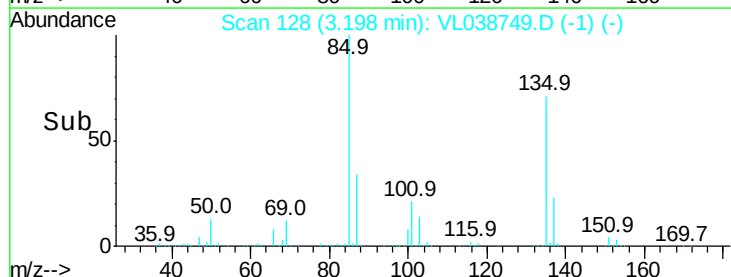
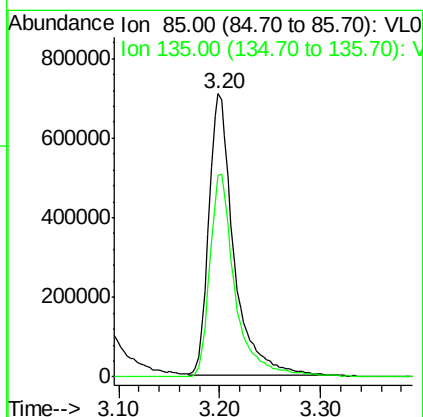
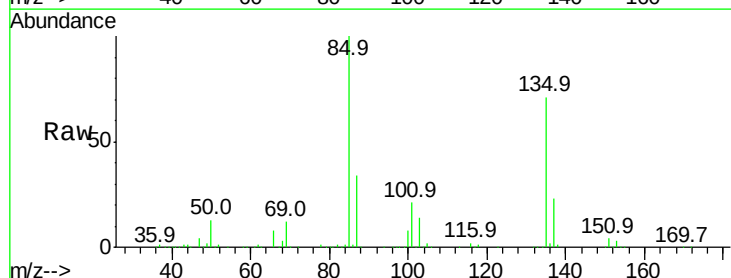
Acq: 24 Mar 2022 15:41

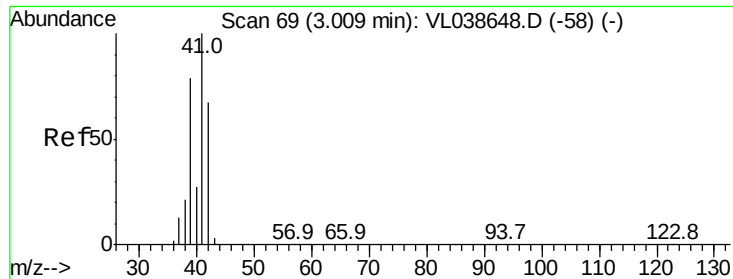
Tgt Ion: 85 Resp: 1214783

Ion Ratio Lower Upper

85 100

135 73.5 57.8 86.6





#9

Propene

Concen: 8.59 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02

Lab File: ClientSampleId: VSTDCCC010

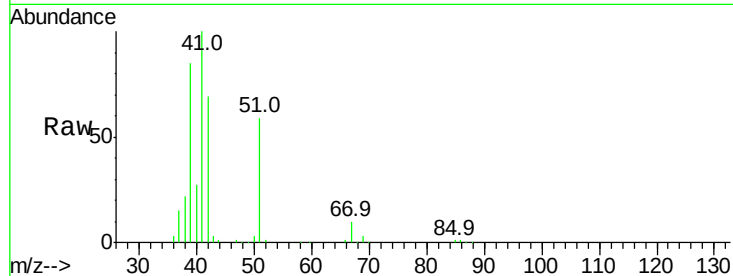
Acq: 24 Mar 2022 15:41

Tgt Ion: 41 Resp: 408744

Ion Ratio Lower Upper

41 100

42 71.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

250000

200000

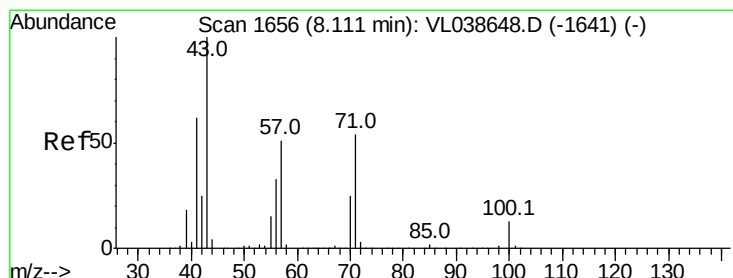
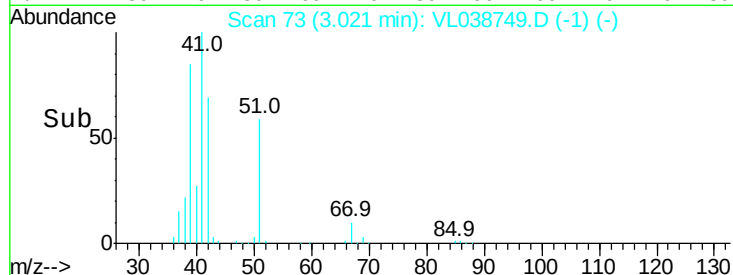
150000

100000

50000

0

Time-->



#10

Heptane

Concen: 8.79 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.02 min

Lab File: VL038749.D

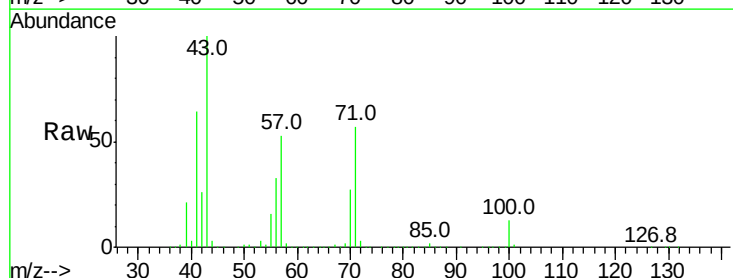
Acq: 24 Mar 2022 15:41

Tgt Ion: 43 Resp: 1000104

Ion Ratio Lower Upper

43 100

57 53.4 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

500000

400000

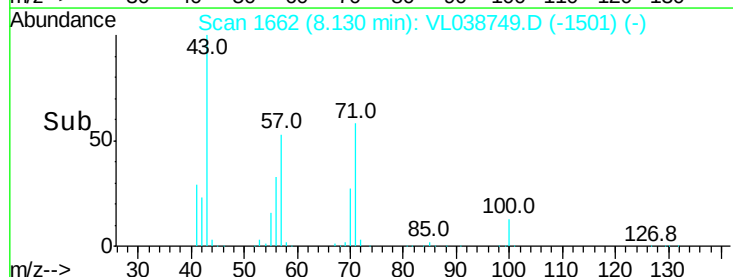
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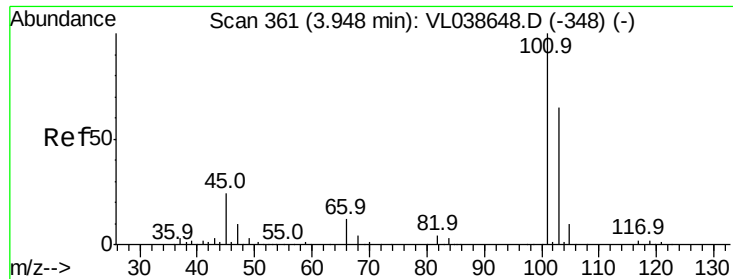
200000

100000

0

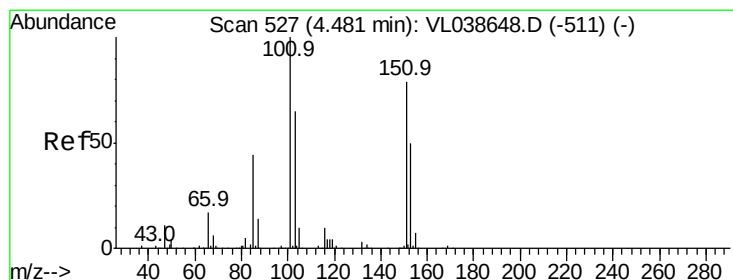
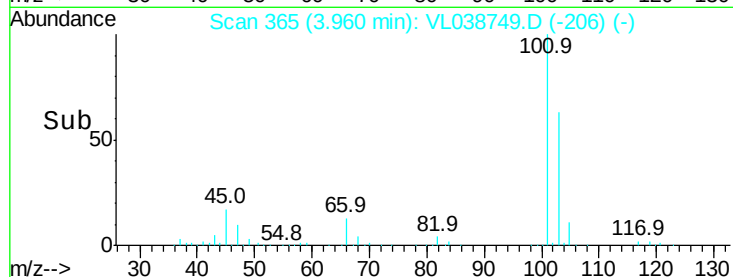
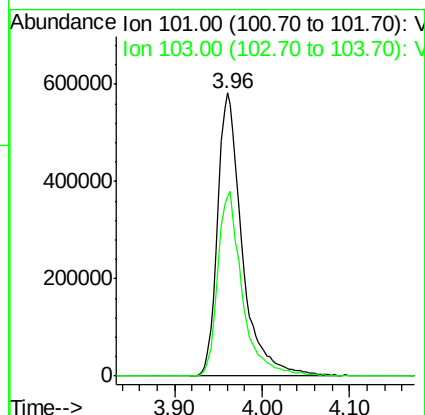
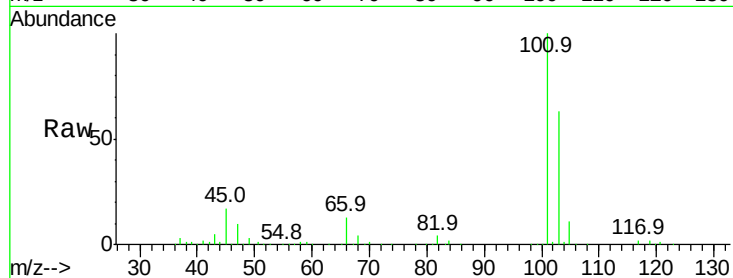
Time-->





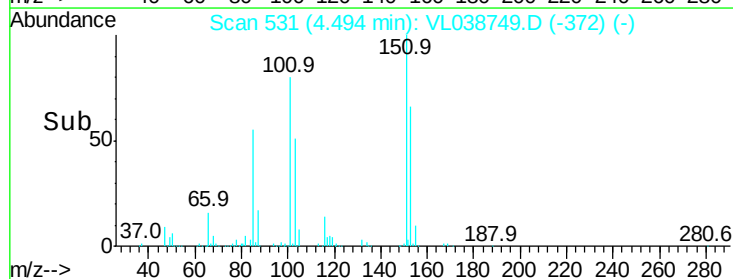
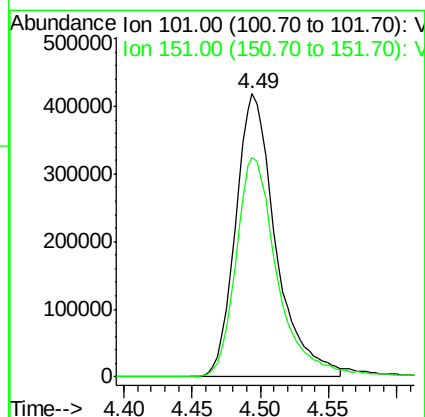
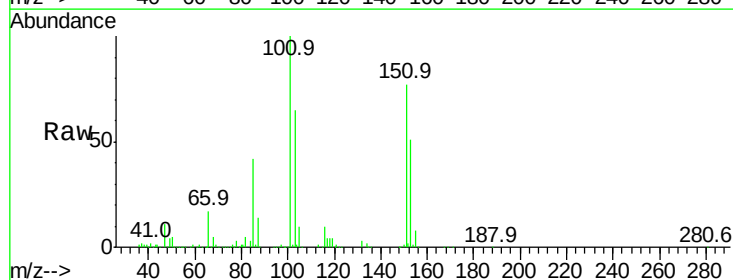
#11
 Trichlorofluoromethane
 Concen: 10.31 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 15:41

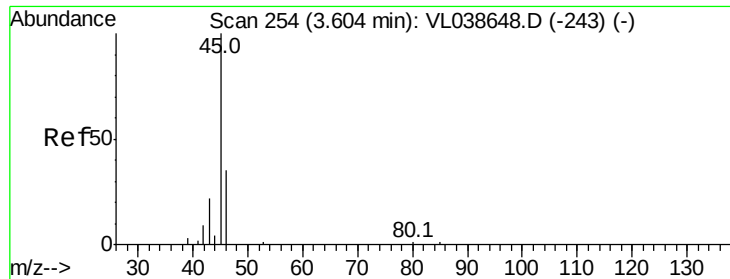
Tgt Ion:101 Resp: 1141756
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.05 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

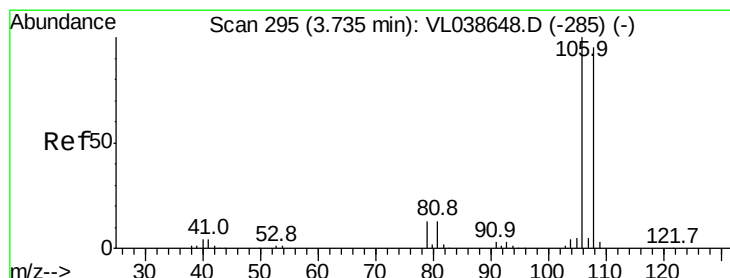
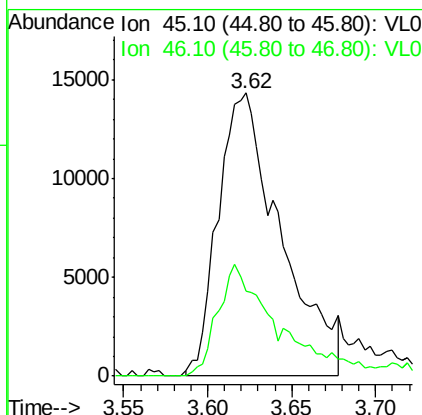
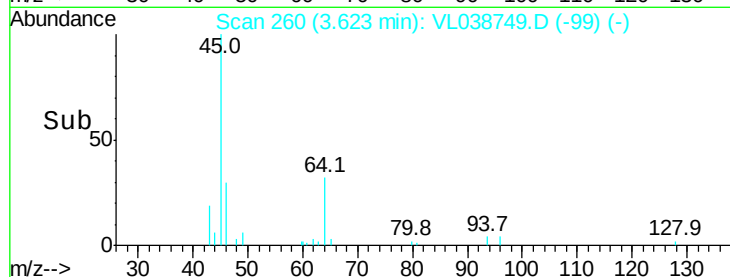
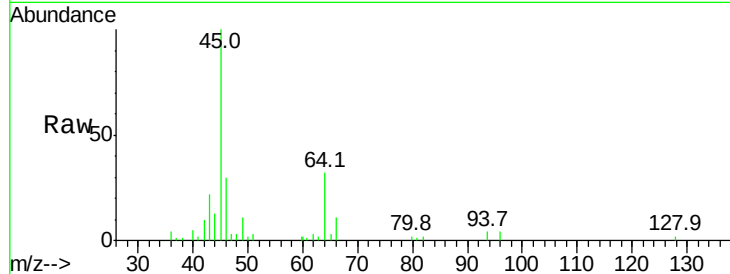
Tgt Ion:101 Resp: 856304
 Ion Ratio Lower Upper
 101 100
 151 80.9 62.9 94.3





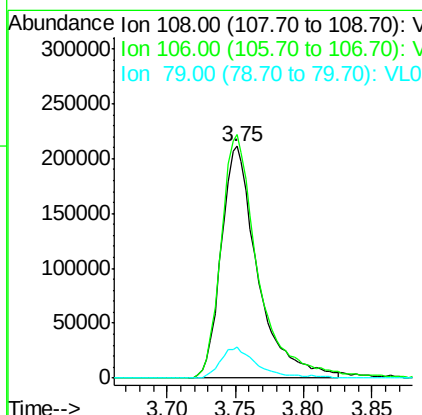
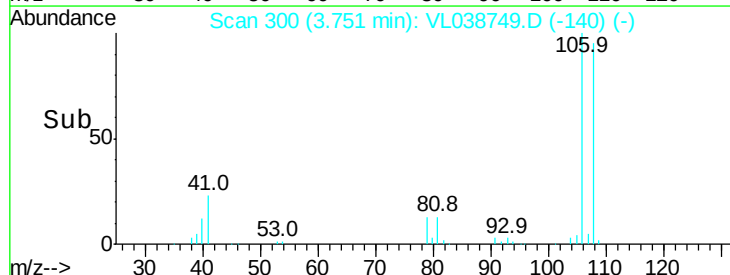
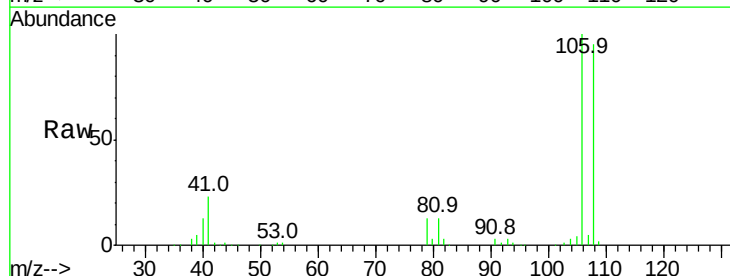
#13
Ethanol
Concen: 7.05 ppbv m
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 15:41

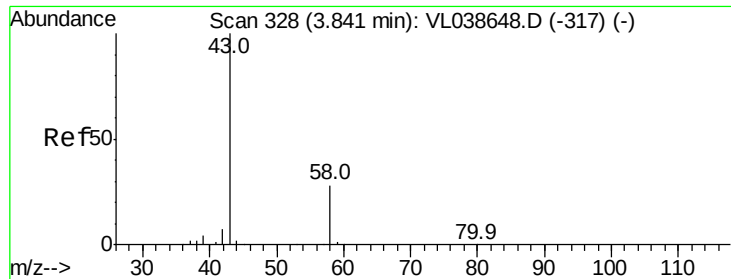
Tgt Ion: 45 Resp: 36998
Ion Ratio Lower Upper
45 100
46 40.4 15.1 60.5



#14
Bromoethene
Concen: 10.38 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.02 min
Lab File: VL038749.D
Acq: 24 Mar 2022 15:41

Tgt Ion: 108 Resp: 393379
Ion Ratio Lower Upper
108 100
106 107.6 88.3 132.5
79 13.9 11.2 16.8





#15

Acetone

Concen: 9.56 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

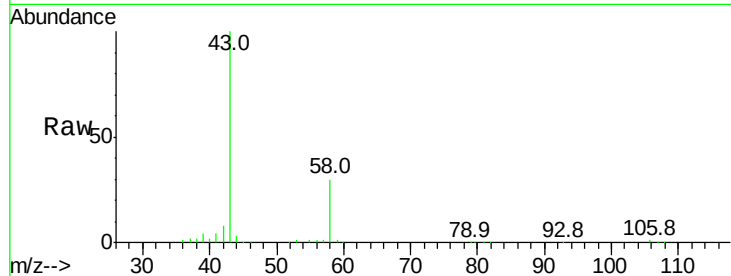
Acq: 24 Mar 2022 15:41 VSTDCCC010

Tgt Ion: 43 Resp: 769406

Ion Ratio Lower Upper

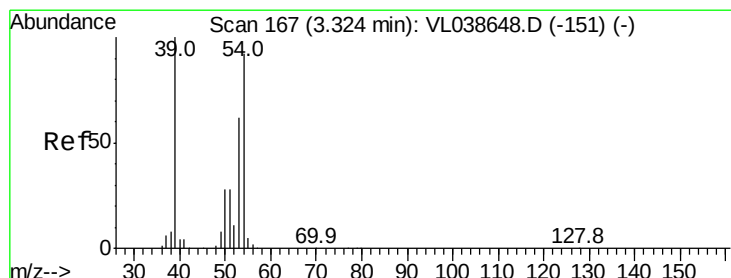
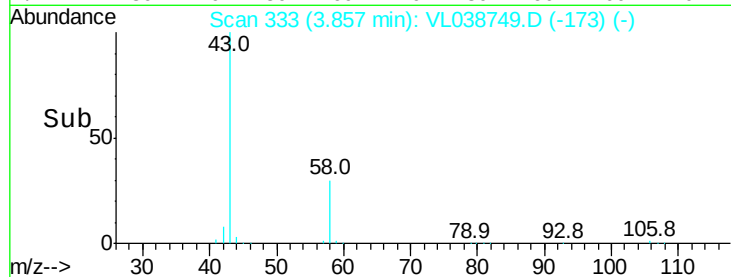
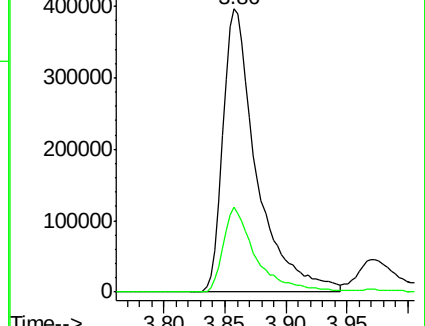
43 100

58 29.0 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: 9.60 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL038749.D

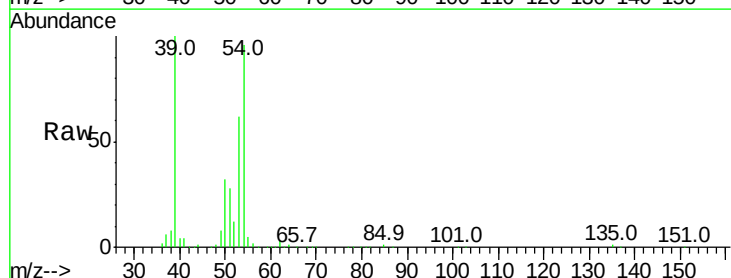
Acq: 24 Mar 2022 15:41

Tgt Ion: 39 Resp: 438568

Ion Ratio Lower Upper

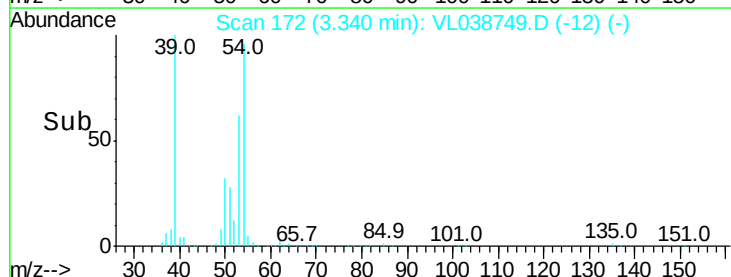
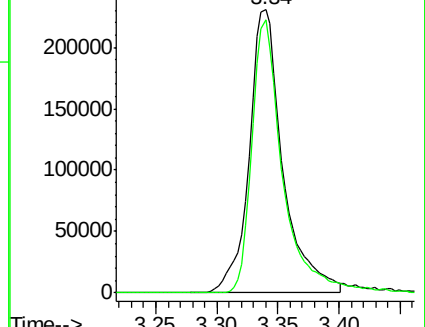
39 100

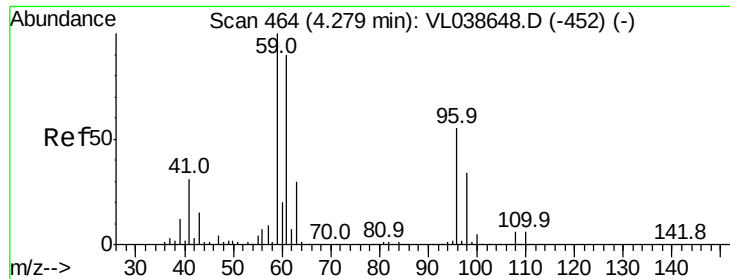
54 89.1 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.43 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

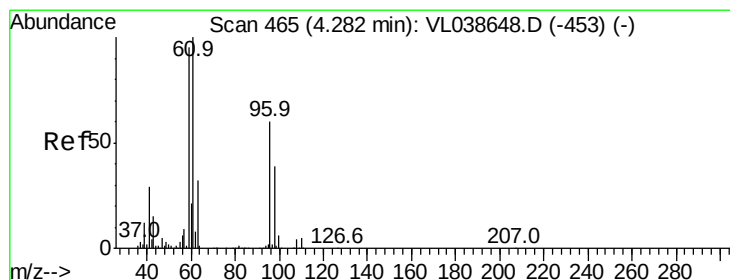
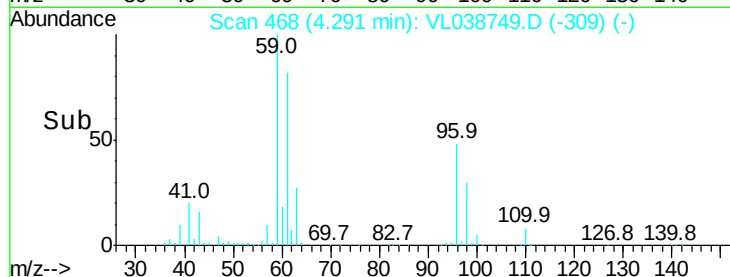
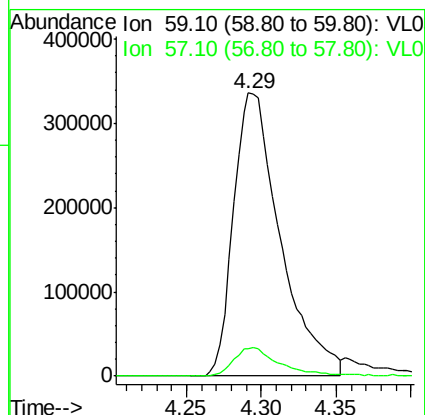
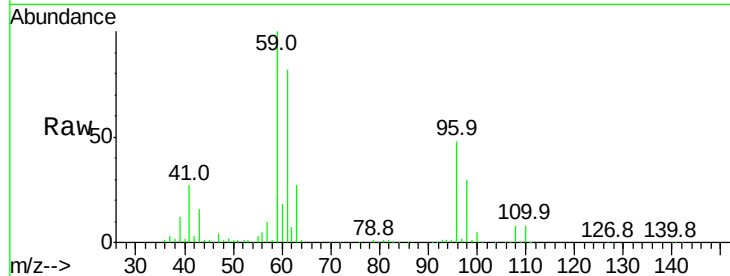
Acq: 24 Mar 2022 15:41 VSTDCCC010

Tgt Ion: 59 Resp: 733449

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.2



#18

1,1-Dichloroethene

Concen: 10.48 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

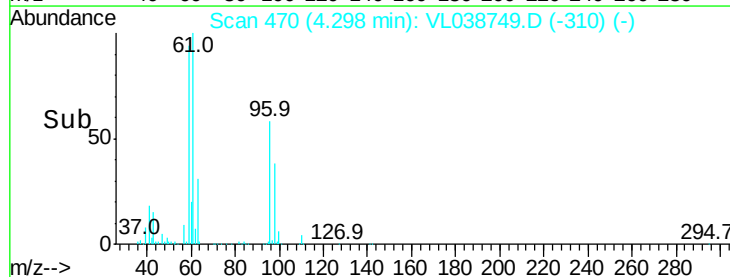
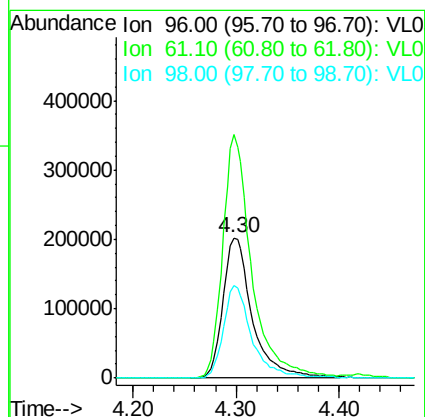
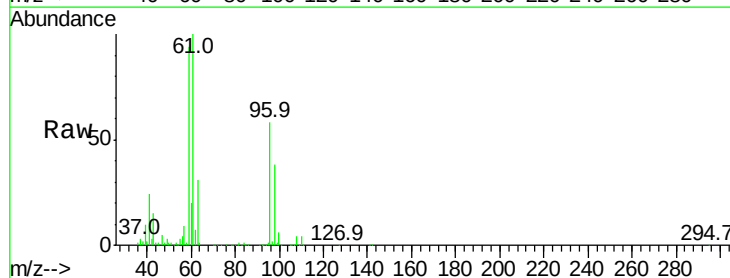
Tgt Ion: 96 Resp: 401100

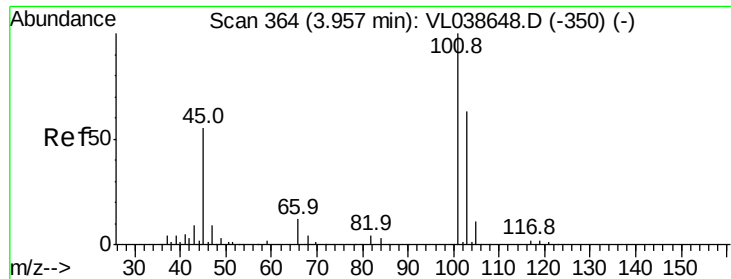
Ion Ratio Lower Upper

96 100

61 173.6 132.4 198.6

98 65.8 51.6 77.4





#19

Isopropyl Alcohol

Concen: 9.26 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

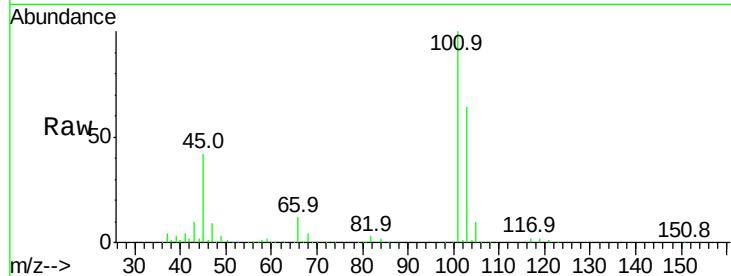
Acq: 24 Mar 2022 15:41

Tgt Ion: 45 Resp: 413555

Ion Ratio Lower Upper

45 100

58 2.7 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

200000

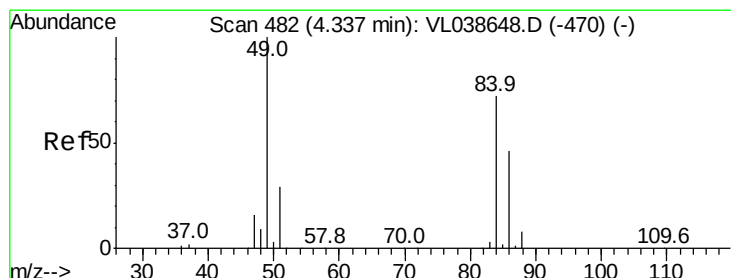
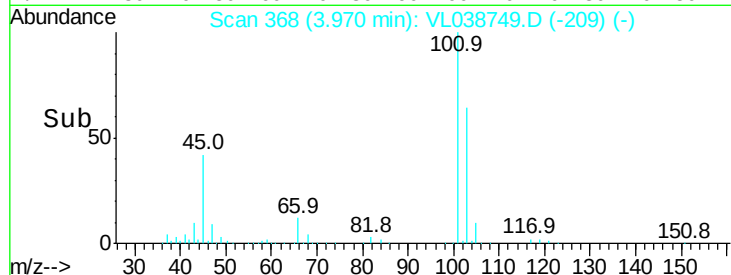
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.30 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

Tgt Ion: 84 Resp: 315470

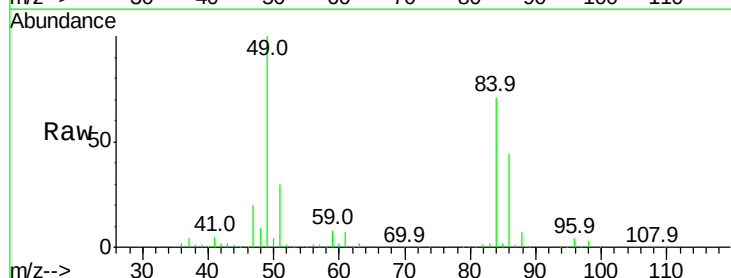
Ion Ratio Lower Upper

84 100

49 140.1 111.2 166.8

51 41.4 32.8 49.2

86 61.9 51.4 77.0



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.35

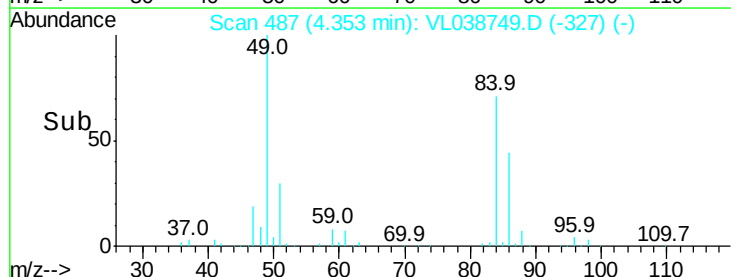
300000

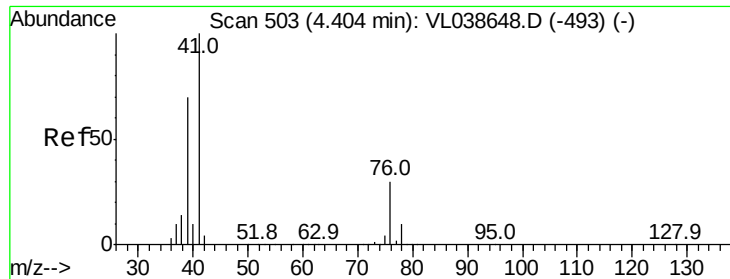
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 10.51 ppbv

RT: 4.42

Instrument: MSVOA_1

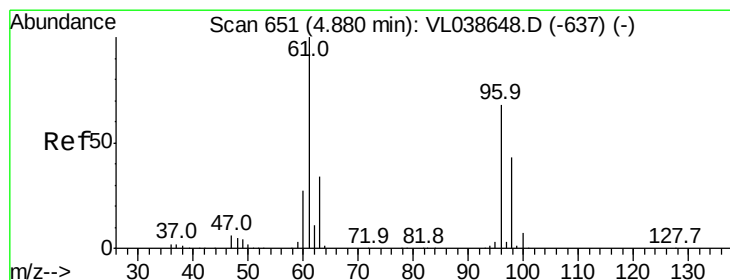
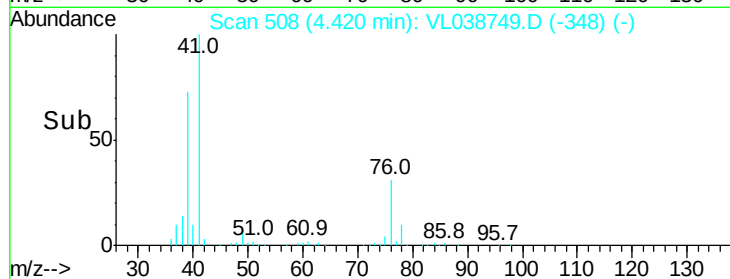
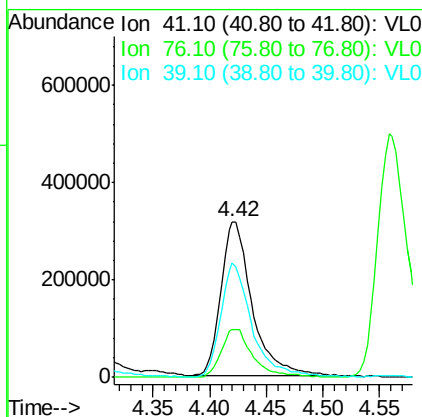
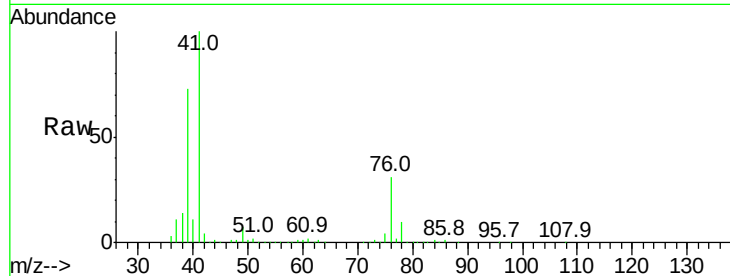
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 24 Mar 2022 15:41

Tgt Ion: 41 Resp: 609136

Ion	Ratio	Lower	Upper
41	100		
76	31.9	25.0	37.6
39	73.2	56.6	85.0



#22

trans-1,2-Dichloroethene

Concen: 10.66 ppbv

RT: 4.90 min Scan# 656

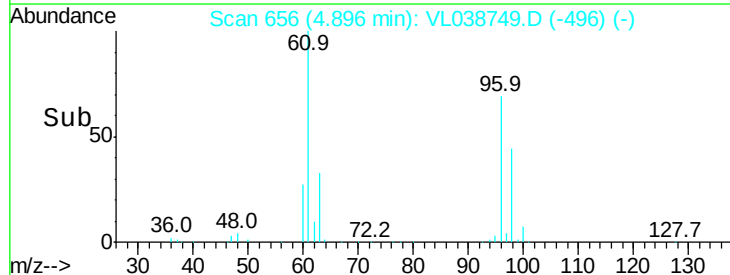
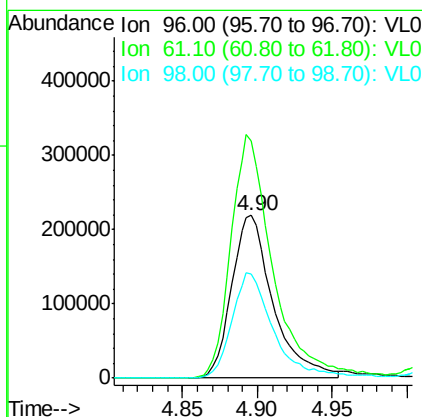
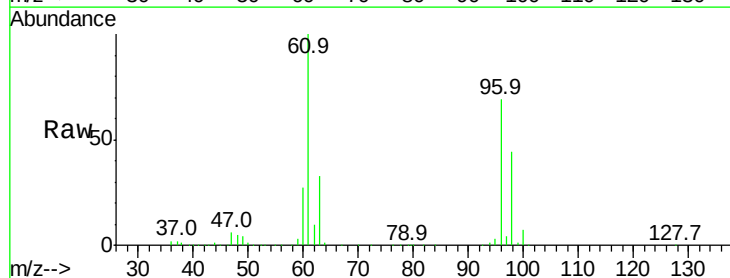
Delta R.T. 0.02 min

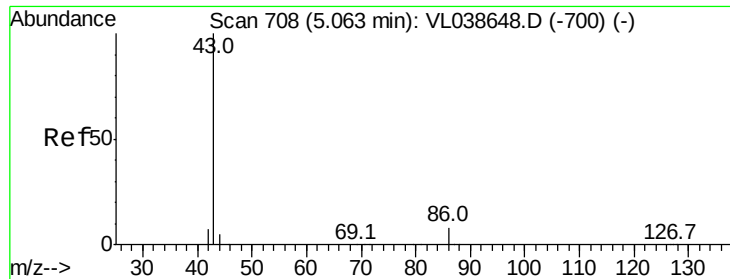
Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

Tgt Ion: 96 Resp: 423495

Ion	Ratio	Lower	Upper
96	100		
61	145.6	118.3	177.5
98	64.2	51.3	76.9





#23

Vinyl Acetate

Concen: 11.29 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDCCC010

Acq: 24 Mar 2022 15:41

Tgt Ion: 43 Resp: 880216

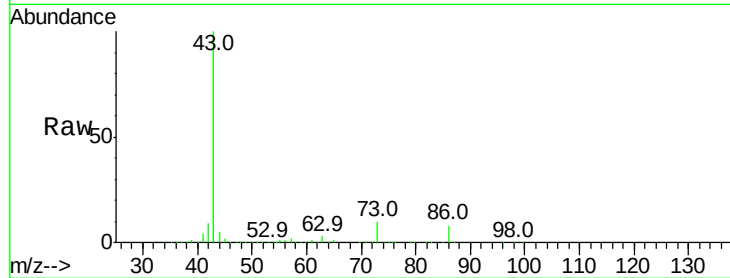
Ion Ratio Lower Upper

43 100

86 7.9 5.6 8.4

42 8.5 6.8 10.2

44 5.0 4.2 6.2

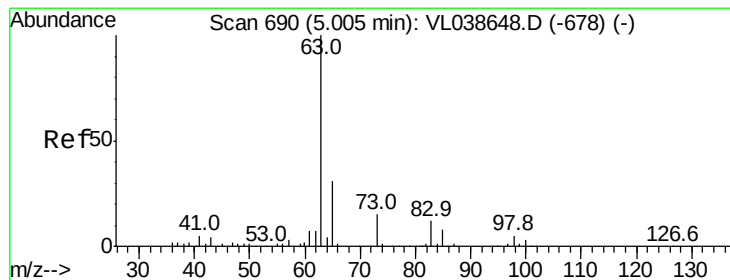
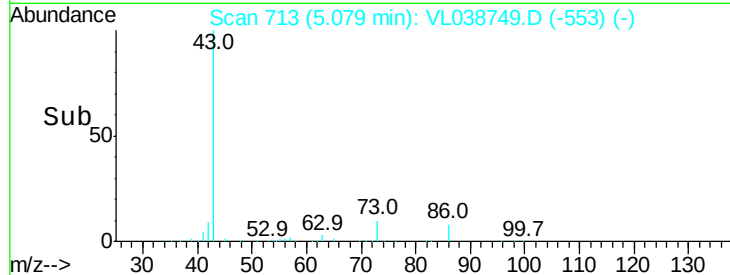
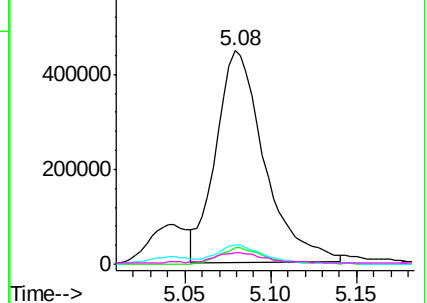


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.14 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

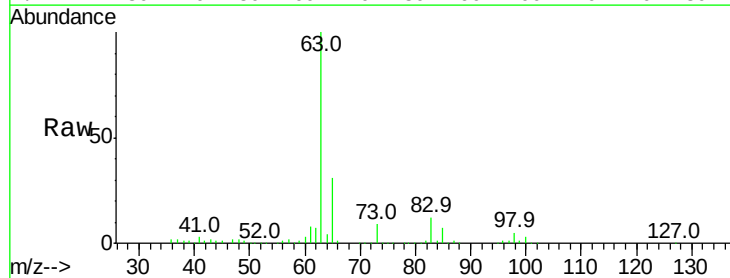
Tgt Ion: 63 Resp: 778583

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

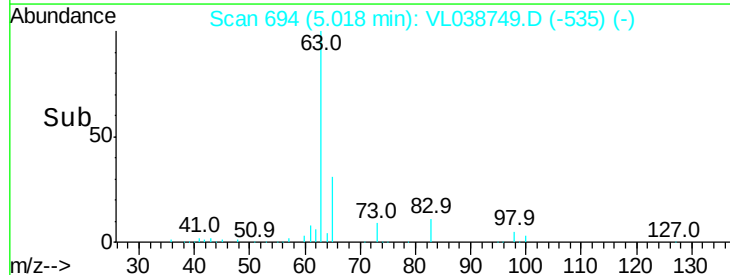
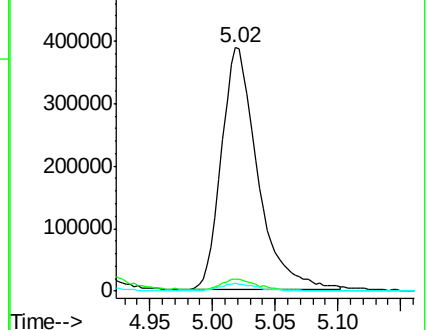
100 3.1 1.4 4.2

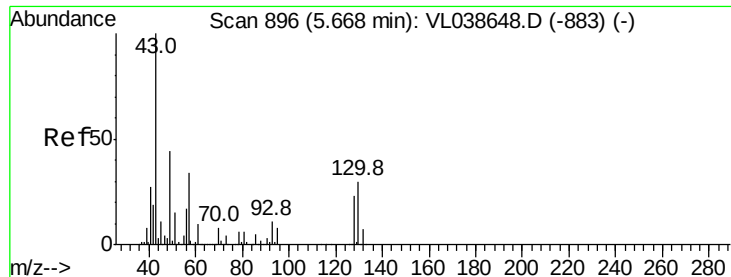


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

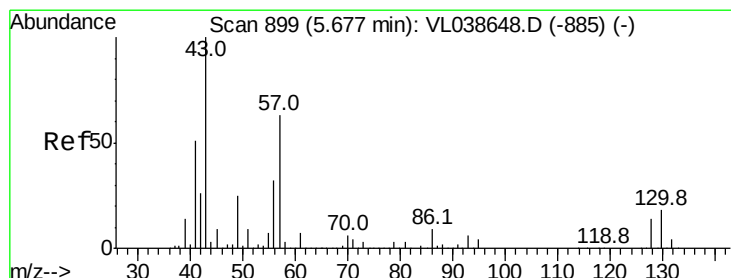
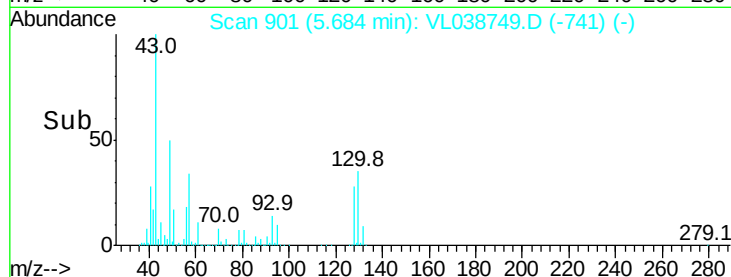
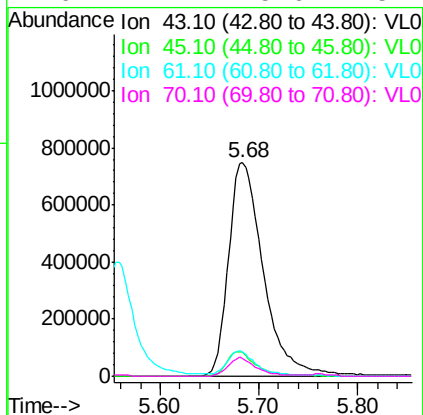
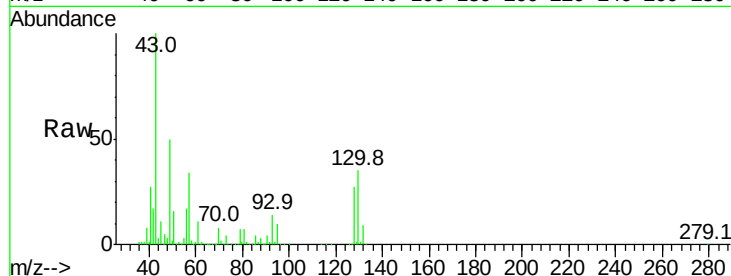
Ion 100.00 (99.70 to 100.70): VL0





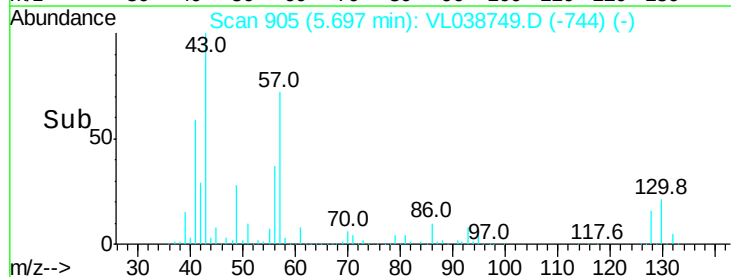
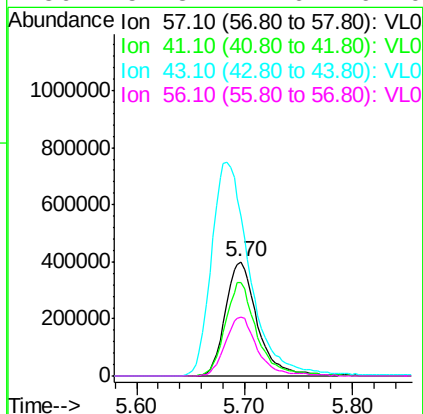
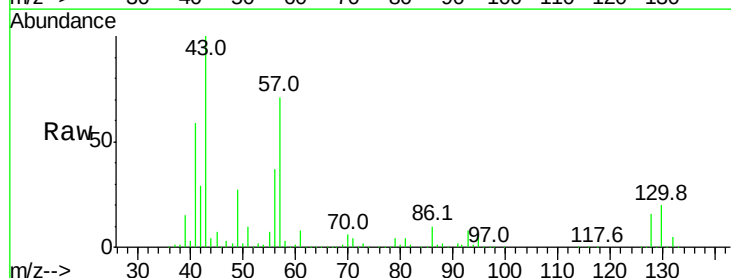
#25
 Ethyl Acetate
 Concen: 9.03 ppbv
 RT: 5.68
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

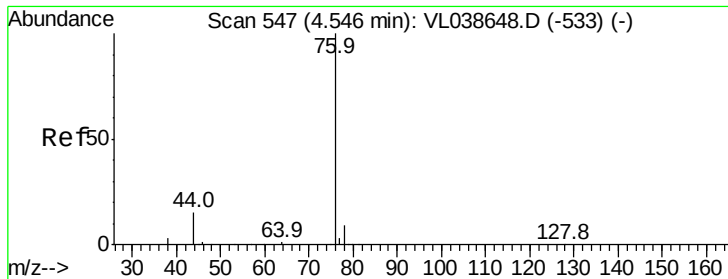
Tgt Ion:	43	Resp:	1829867
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.8	8.3	12.5
70	7.2	5.6	8.4



#26
 Hexane
 Concen: 9.10 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

Tgt Ion:	57	Resp:	825530
Ion	Ratio	Lower	Upper
57	100		
41	82.1	67.0	100.4
43	224.2	184.2	276.2
56	52.3	42.6	64.0





#27

Carbon Disulfide

Concen: 11.46 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Mar 2022 15:41

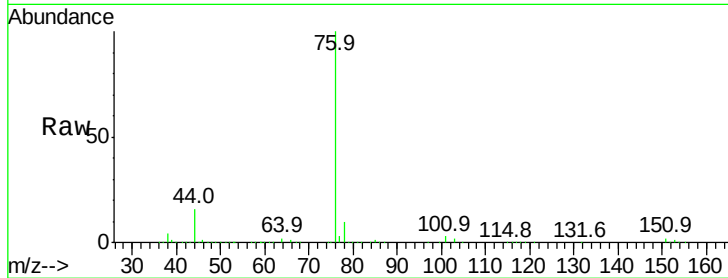
Tgt Ion: 76 Resp: 1020457

Ion Ratio Lower Upper

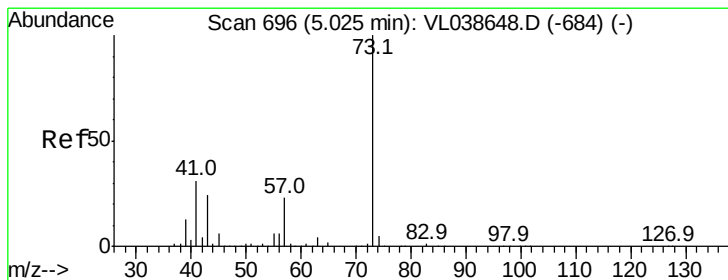
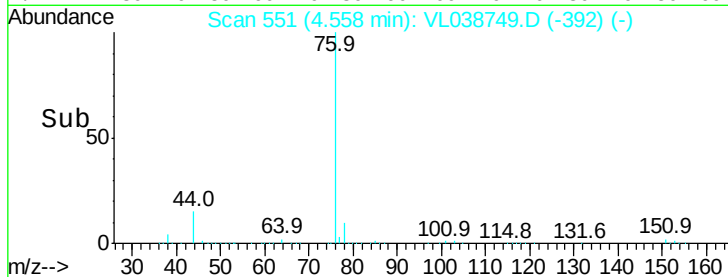
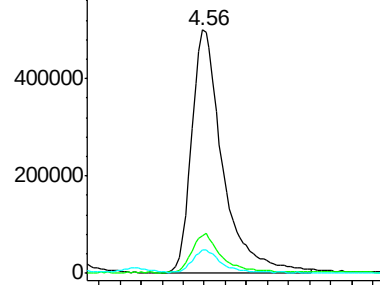
76 100

44 15.7 12.4 18.6

78 10.1 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: 11.25 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.02 min

Lab File: VL038749.D

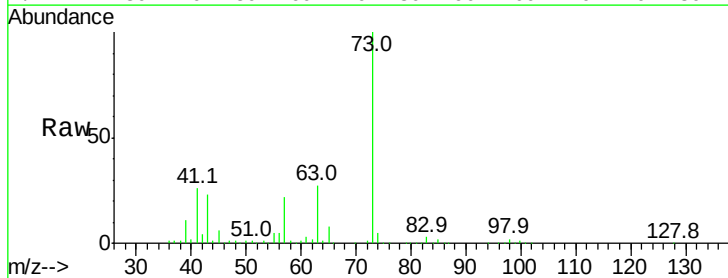
Acq: 24 Mar 2022 15:41

Tgt Ion: 73 Resp: 760665

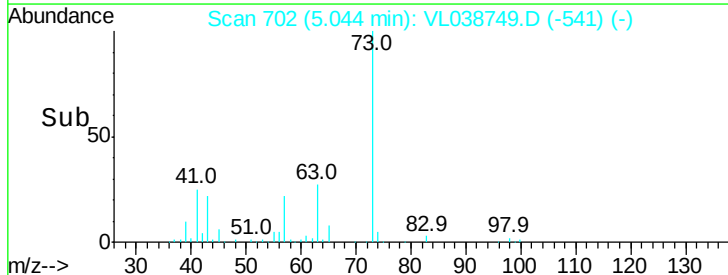
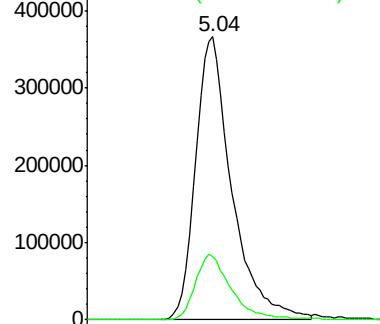
Ion Ratio Lower Upper

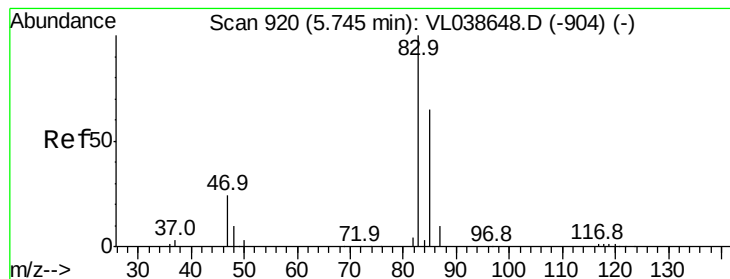
73 100

57 23.5 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: 9.32 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010

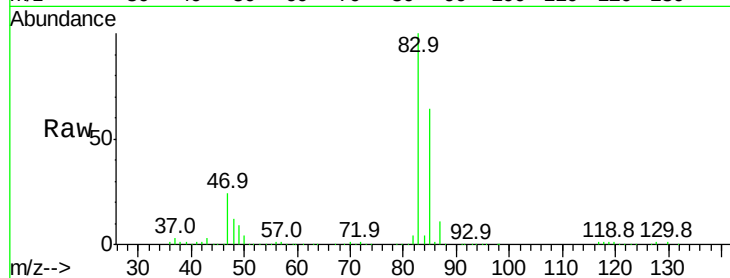
Acq: 24 Mar 2022 15:41

Tgt Ion: 83 Resp: 1354854

Ion Ratio Lower Upper

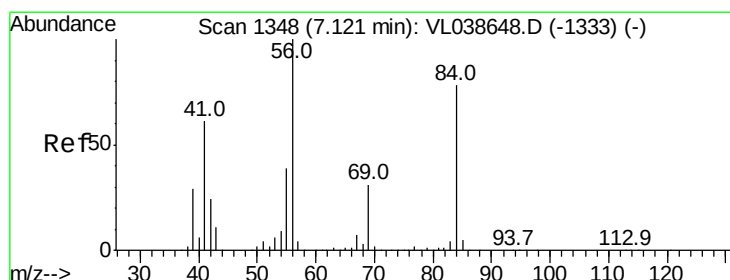
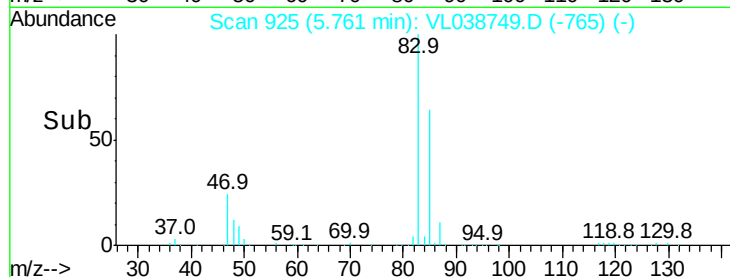
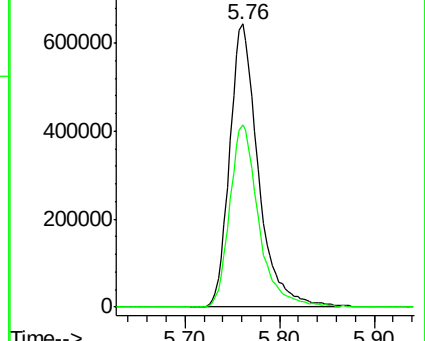
83 100

85 63.9 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 8.95 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

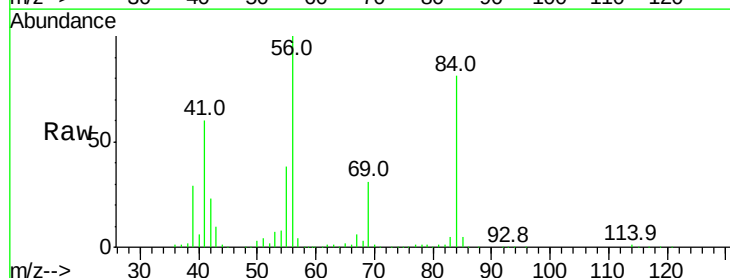
Tgt Ion: 84 Resp: 706101

Ion Ratio Lower Upper

84 100

56 131.3 108.2 162.4

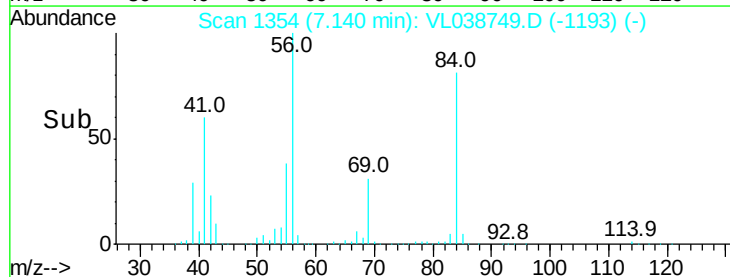
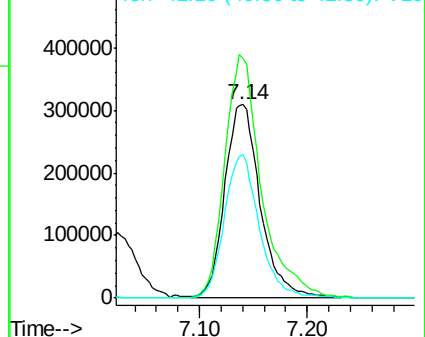
41 73.8 61.8 92.6

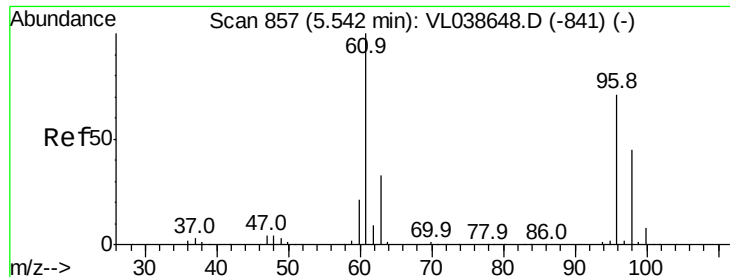


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 9.69 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Mar 2022 15:41 VSTDCCC010

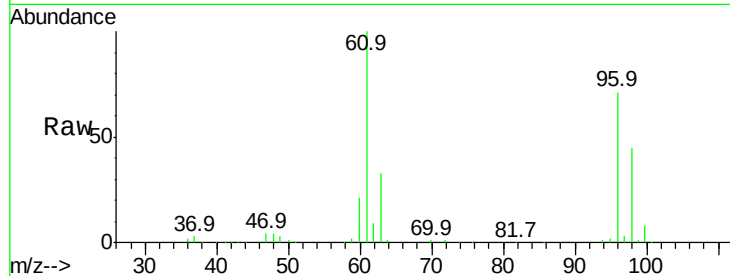
Tgt Ion: 61 Resp: 827277

Ion Ratio Lower Upper

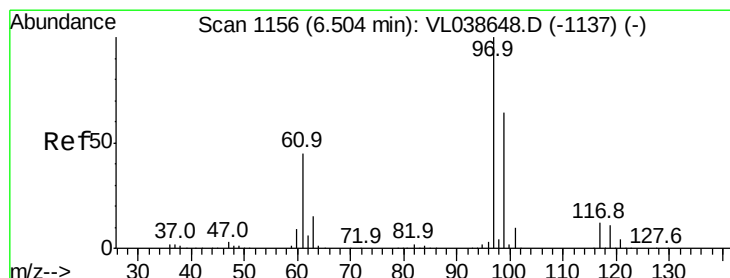
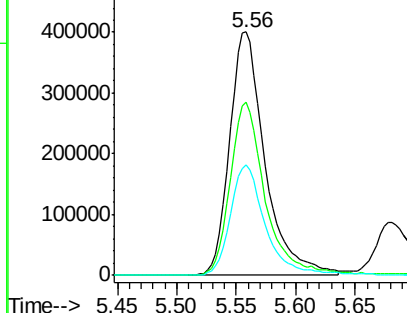
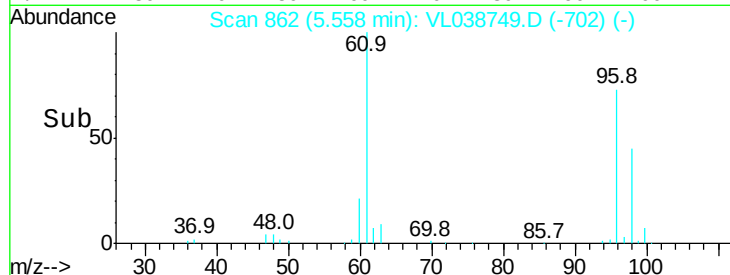
61 100

96 70.9 56.6 84.8

98 45.2 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: 9.78 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

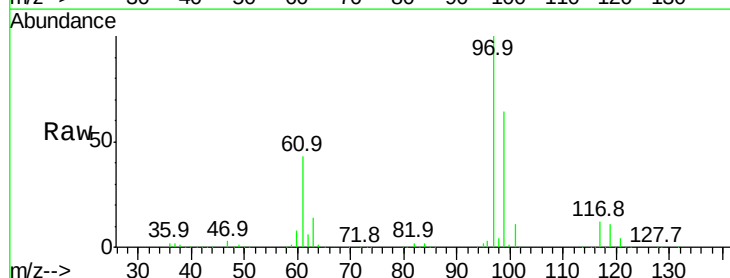
Tgt Ion: 97 Resp: 1370838

Ion Ratio Lower Upper

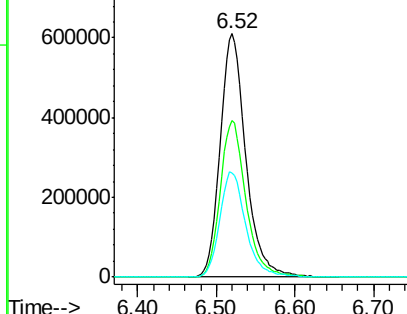
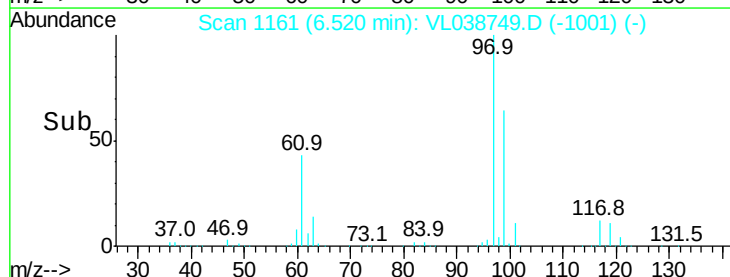
97 100

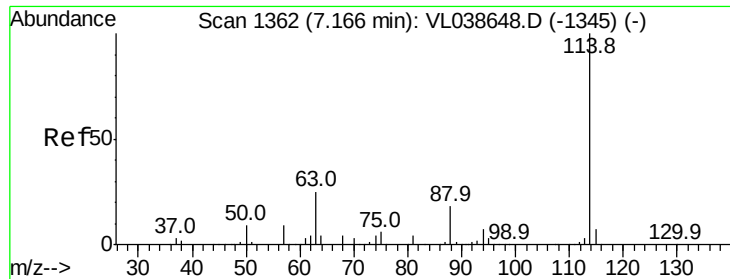
99 64.5 51.8 77.8

61 44.2 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: 7.19 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Mar 2022 15:41 VSTDCCC010

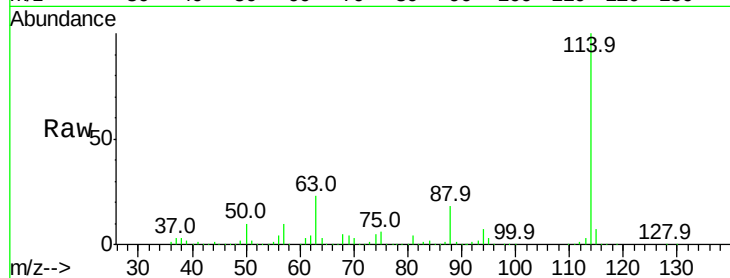
Tgt Ion:114 Resp: 2519240

Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.0

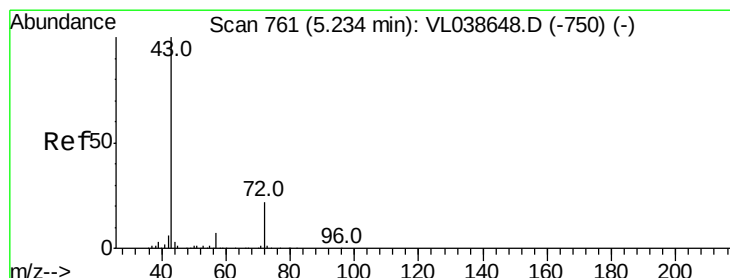
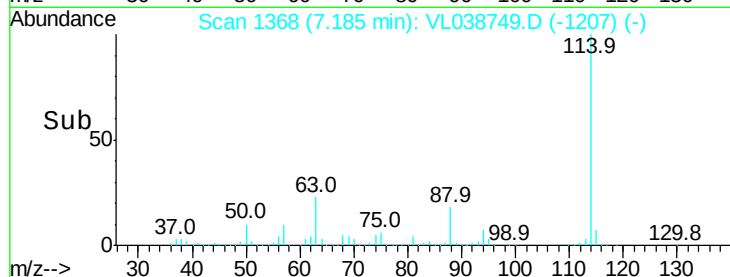
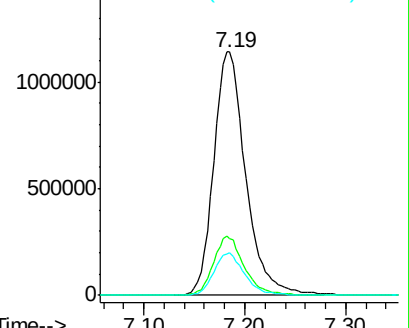
88 17.0 13.9 20.9



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: 9.15 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.02 min

Lab File: VL038749.D

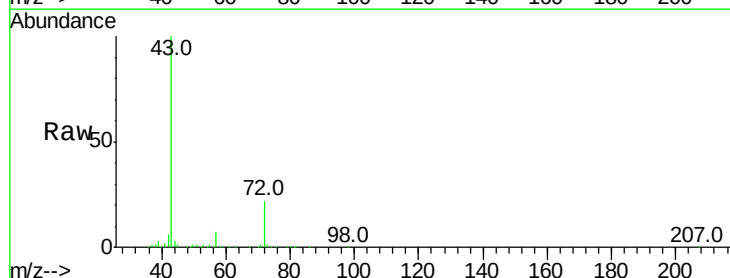
Acq: 24 Mar 2022 15:41

Tgt Ion: 43 Resp: 912771

Ion Ratio Lower Upper

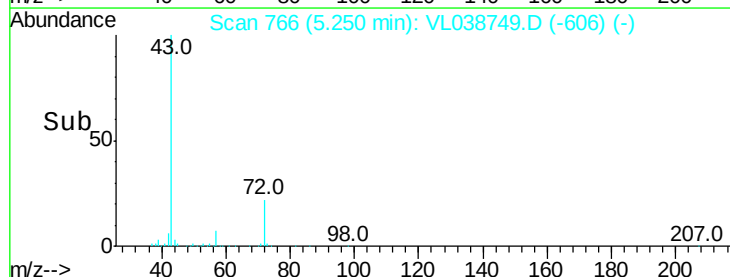
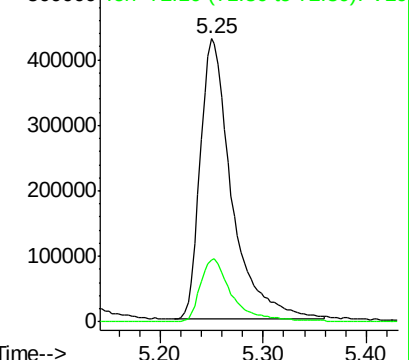
43 100

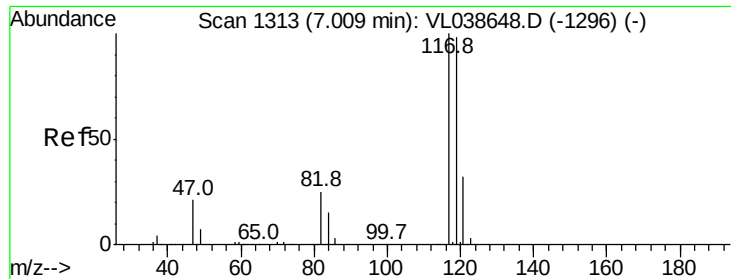
72 23.2 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

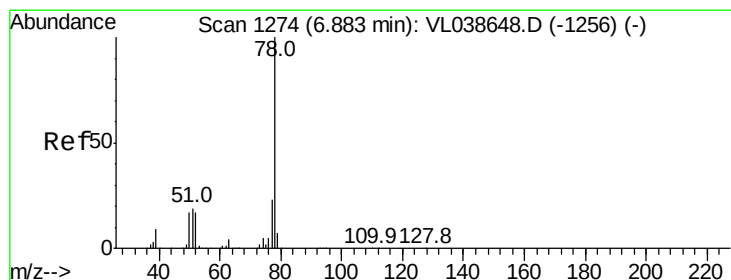
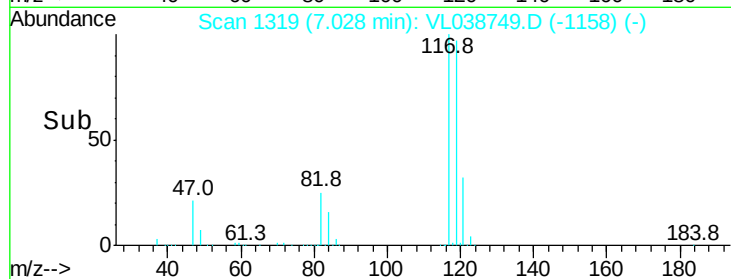
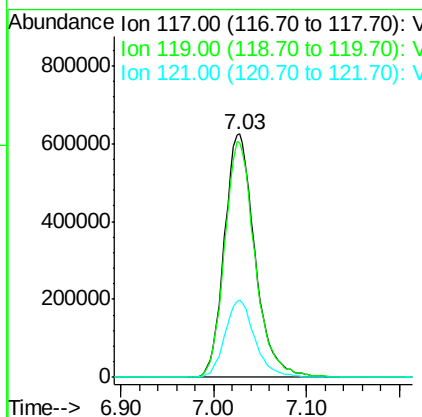
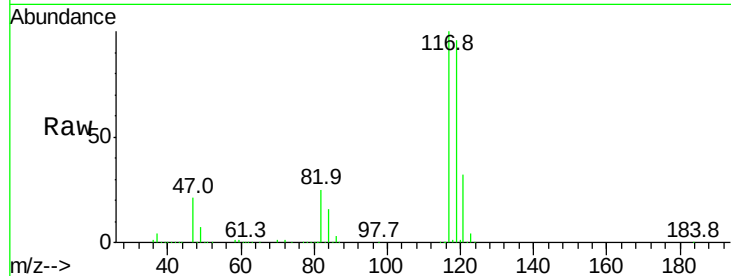




#35
Carbon Tetrachloride
Concen: 9.78 ppbv
RT: 7.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 15:41

Tgt Ion: 117 Resp: 1428884

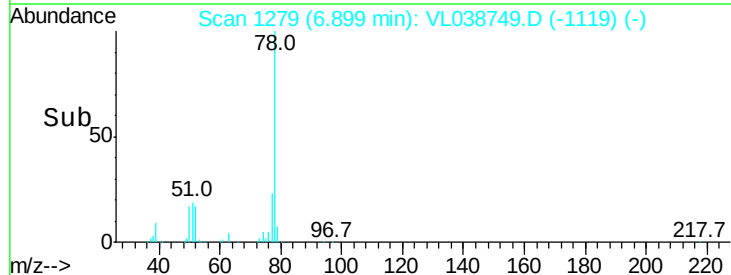
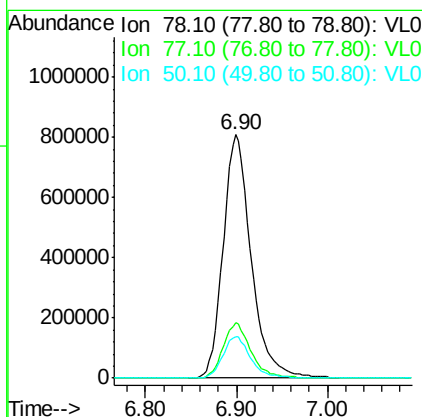
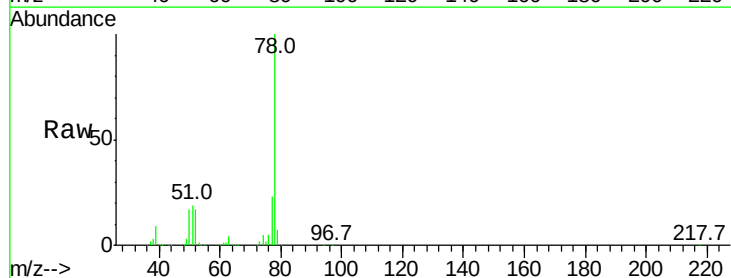
Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.1	117.1
121	31.8	25.8	38.6

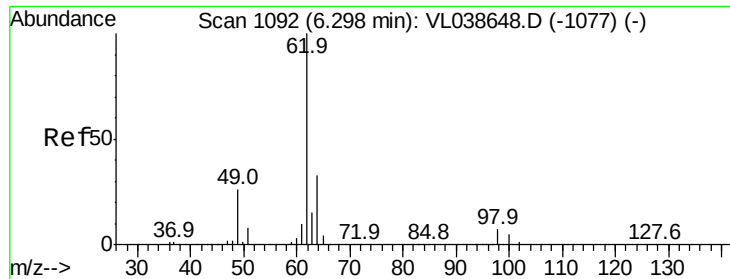


#36
Benzene
Concen: 8.90 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VL038749.D
Acq: 24 Mar 2022 15:41

Tgt Ion: 78 Resp: 1730303

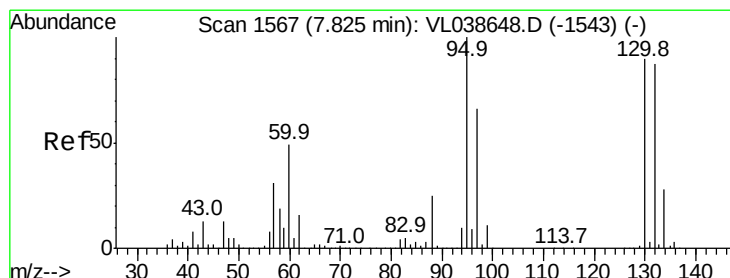
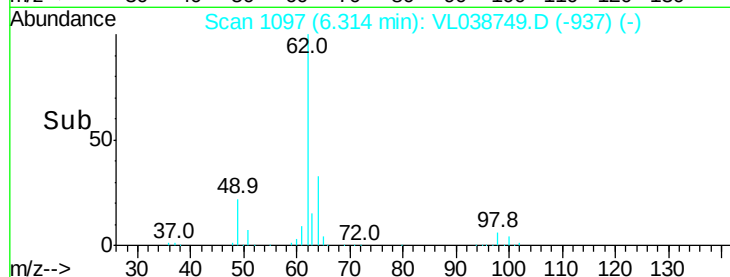
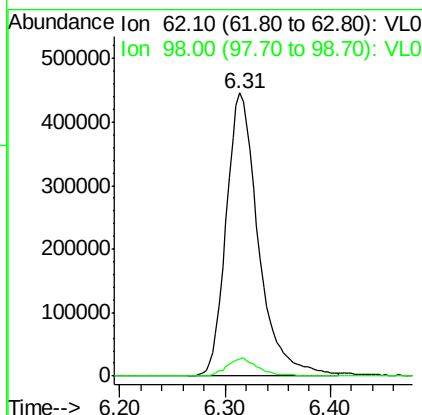
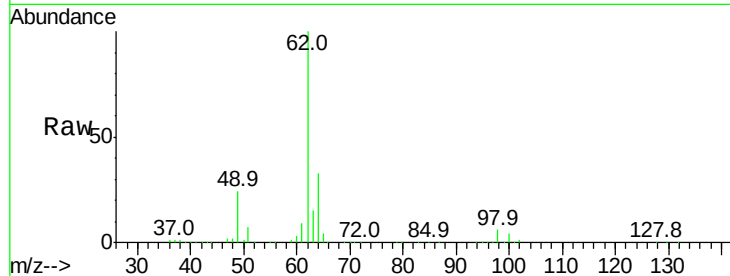
Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.1	27.1
50	16.9	13.6	20.4





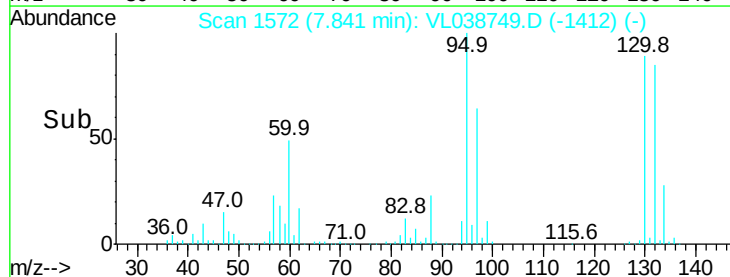
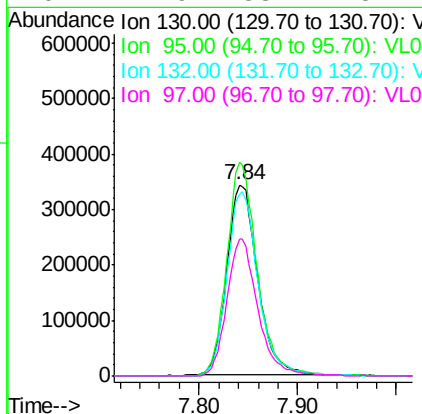
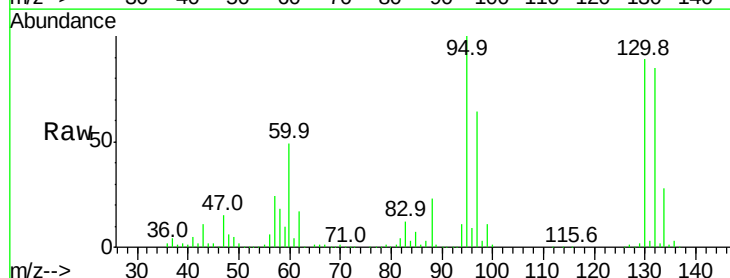
#37
 1,2-Dichloroethane
 Concen: 9.54 ppbv
 RT: 6.31
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 15:41

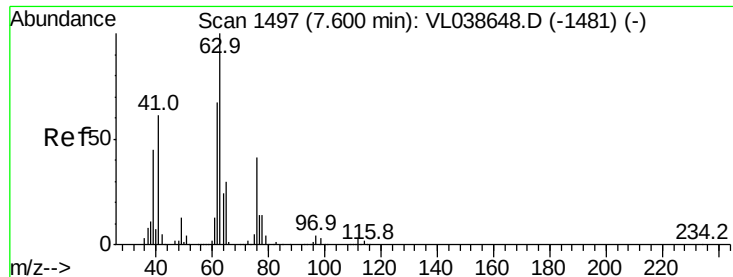
Tgt Ion: 62 Resp: 943817
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.6 8.4



#38
 Trichloroethene
 Concen: 9.25 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

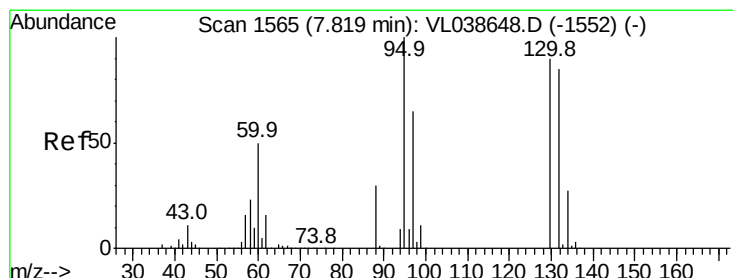
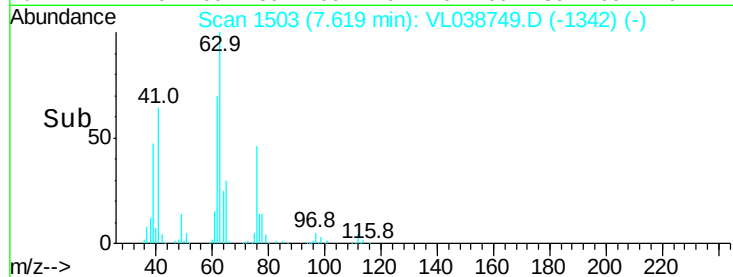
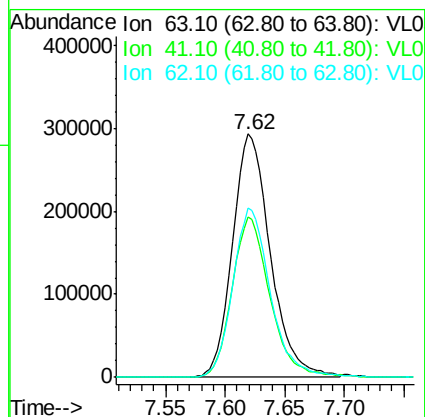
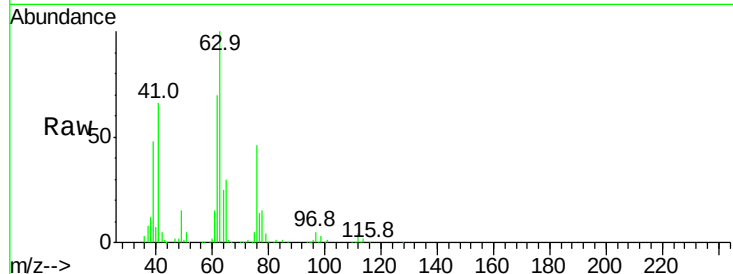
Tgt Ion:130 Resp: 753097
 Ion Ratio Lower Upper
 130 100
 95 112.1 88.9 133.3
 132 95.4 77.4 116.0
 97 71.9 58.2 87.4





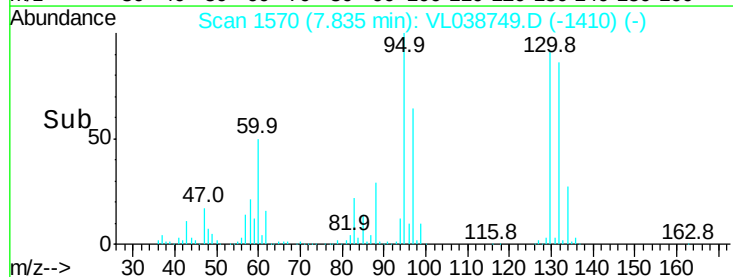
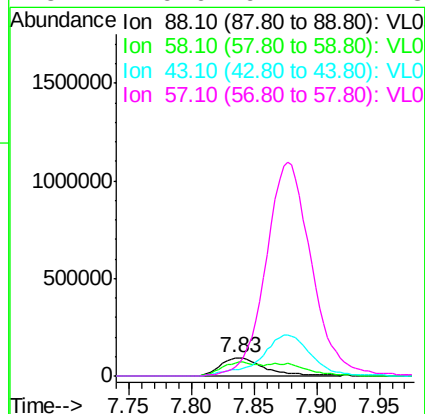
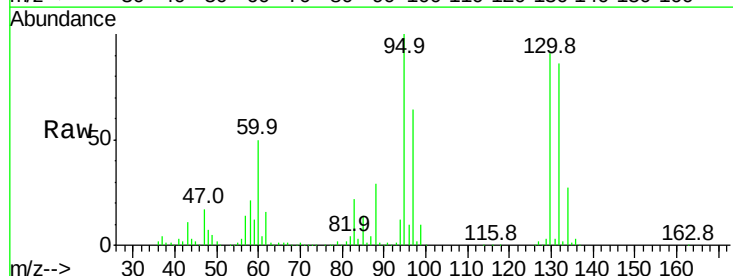
#39
 1,2-Dichloropropane
 Concen: 8.53 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 15:41

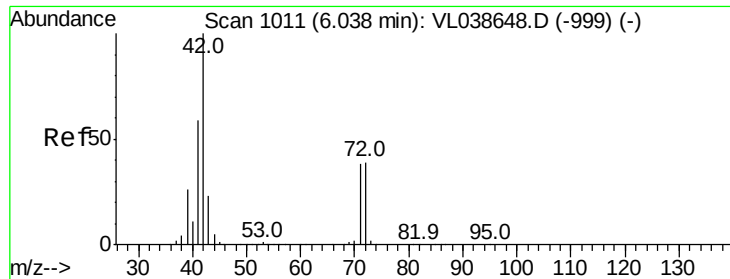
Tgt Ion:	63	Resp:	648420
Ion	Ratio	Lower	Upper
63	100		
41	66.0	49.0	73.6
62	69.4	53.9	80.9



#40
 1,4-Dioxane
 Concen: 8.47 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

Tgt Ion:	88	Resp:	223634
Ion	Ratio	Lower	Upper
88	100		
58	132.7	105.6	158.4
43	263.6	201.9	302.9
57	1249.0	942.1	1413.1





#41

Tetrahydrofuran

Concen: 8.77 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 24 Mar 2022 15:41

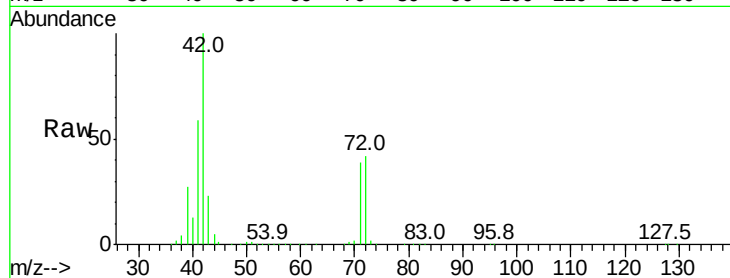
Tgt Ion: 42 Resp: 650941

Ion Ratio Lower Upper

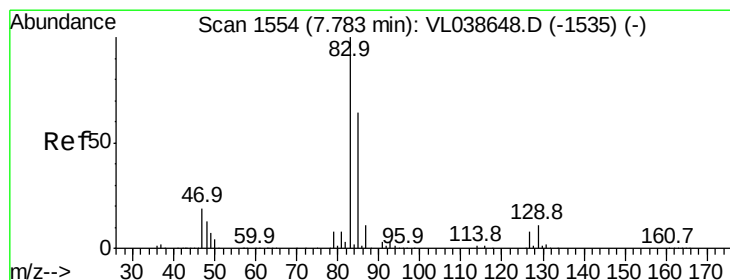
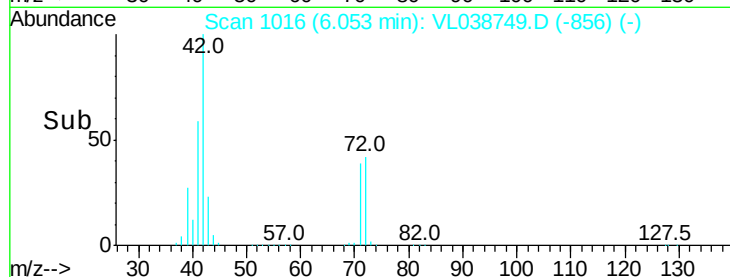
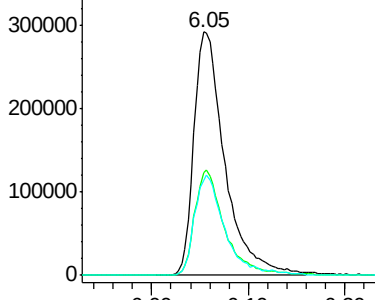
42 100

72 42.2 32.5 48.7

71 41.0 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: 9.79 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

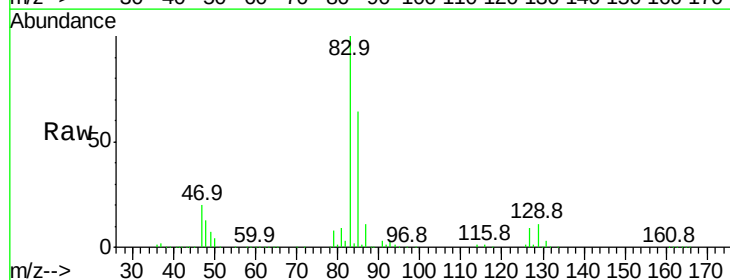
Tgt Ion: 83 Resp: 1451337

Ion Ratio Lower Upper

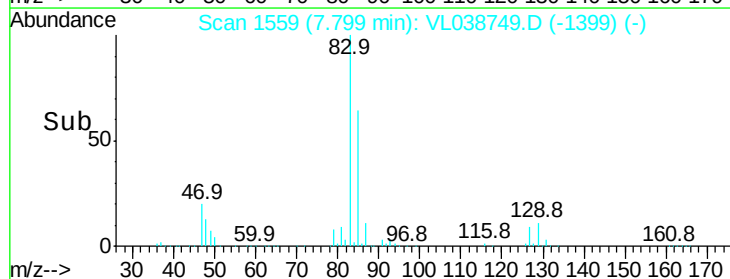
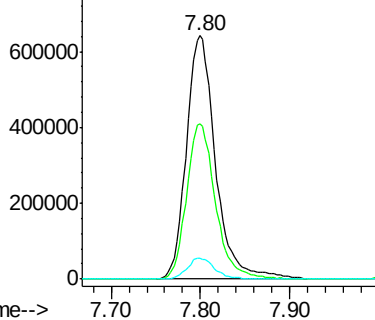
83 100

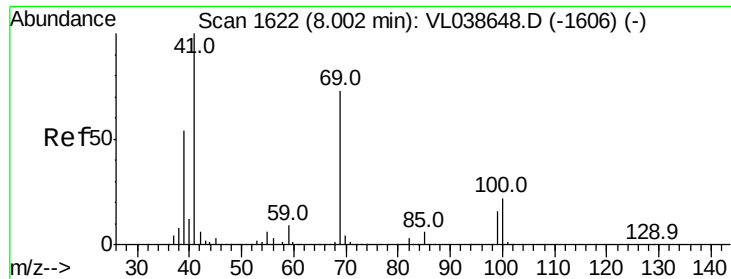
85 63.7 51.1 76.7

127 8.6 6.5 9.7



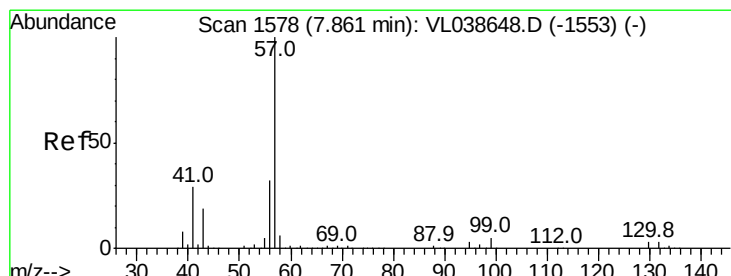
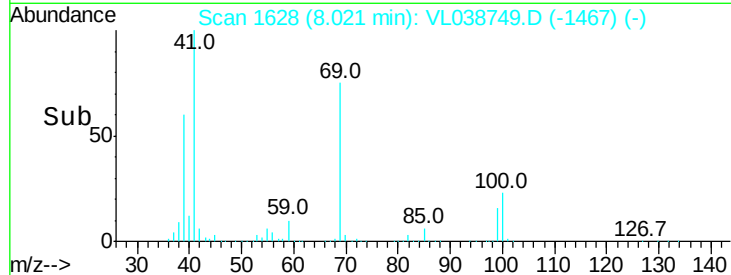
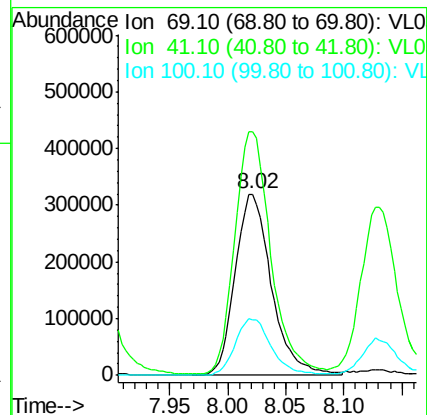
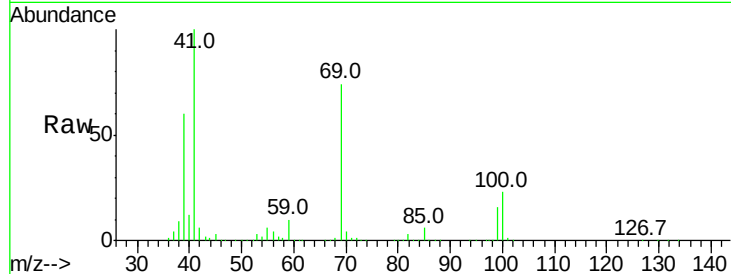
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





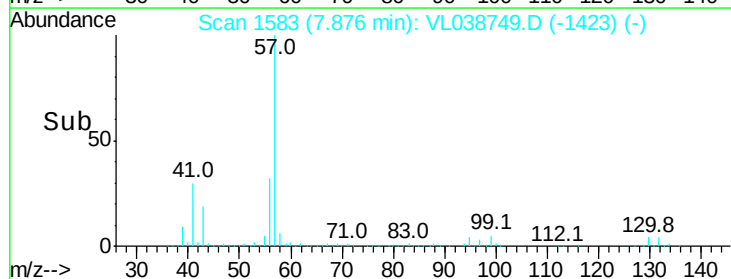
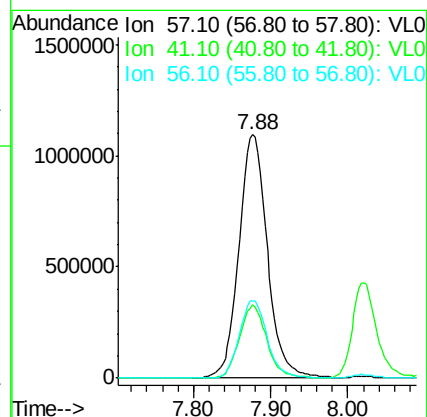
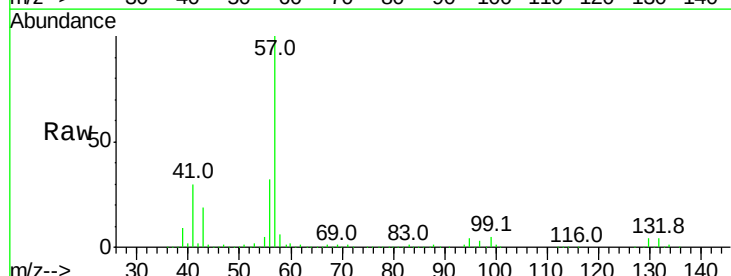
#43
Methyl Methacrylate
Concen: 9.63 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010
Acq: 24 Mar 2022 15:41

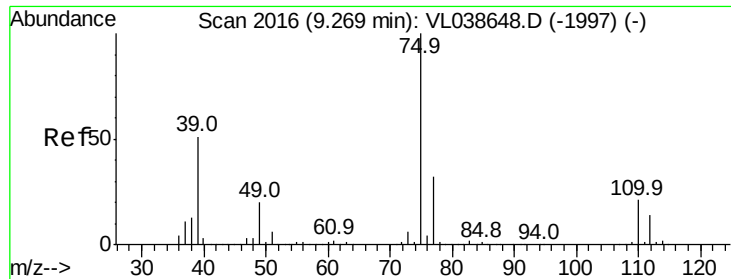
Tgt Ion	Ratio	Lower	Upper
69	100		
41	134.0	110.3	165.5
100	31.2	24.8	37.2



#44
2,2,4-Trimethylpentane
Concen: 8.55 ppbv
RT: 7.88 min Scan# 1583
Delta R.T.: 0.02 min
Lab File: VL038749.D
Acq: 24 Mar 2022 15:41

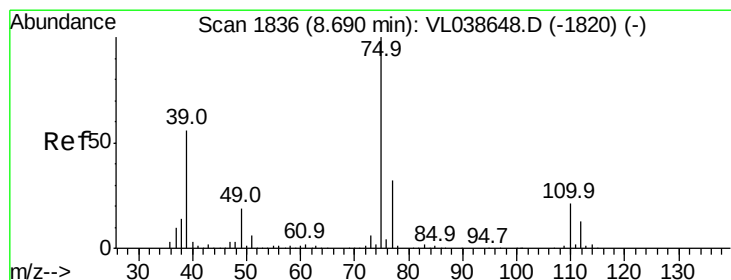
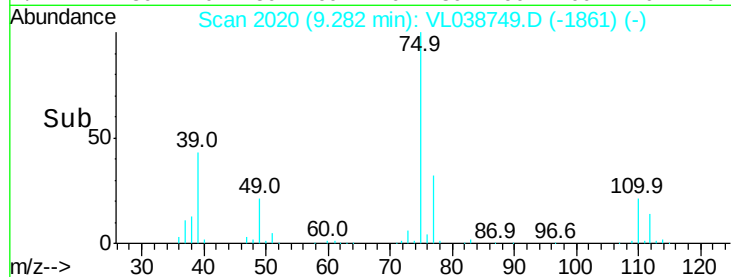
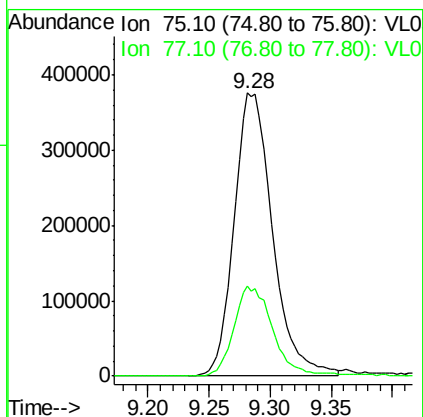
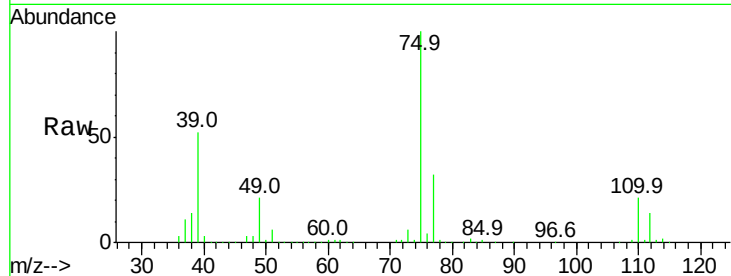
Tgt Ion	Ratio	Lower	Upper
57	100		
41	28.8	23.0	34.4
56	31.2	25.3	37.9





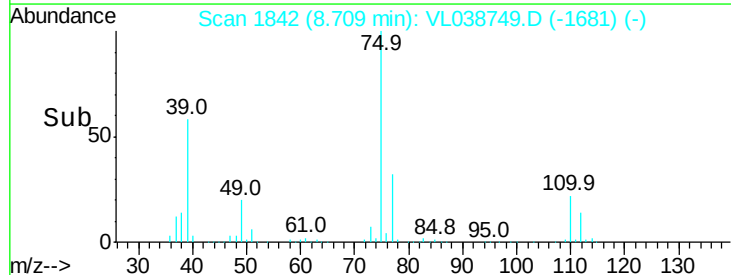
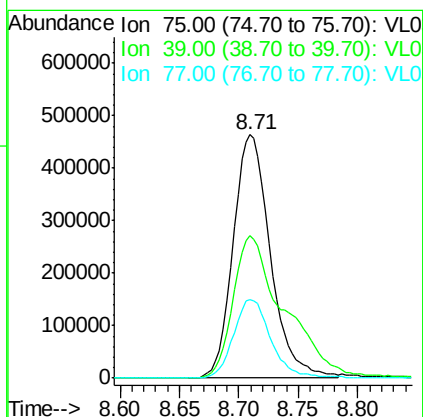
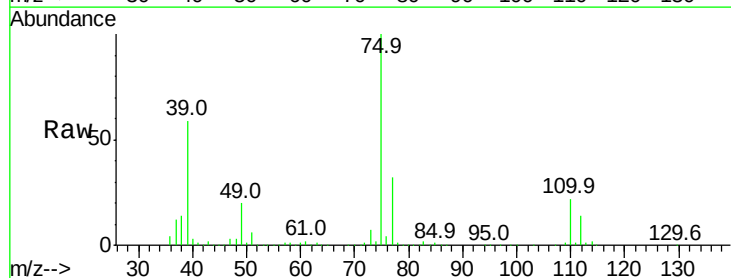
#45
 t-1,3-Dichloropropene
 Concen: 11.16 ppbv
 RT: 9.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

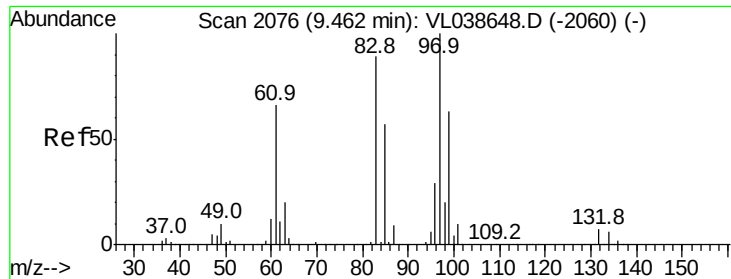
Tgt Ion: 75 Resp: 819328
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.13 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

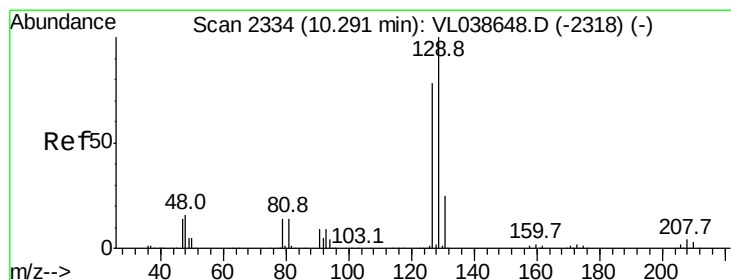
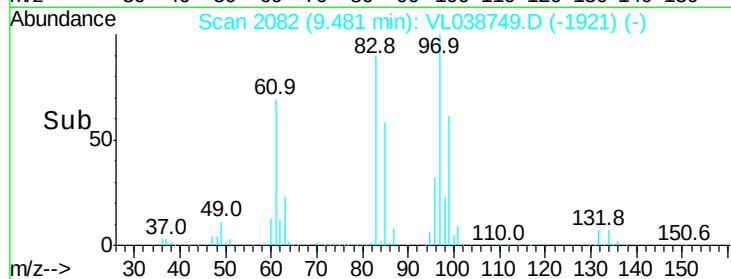
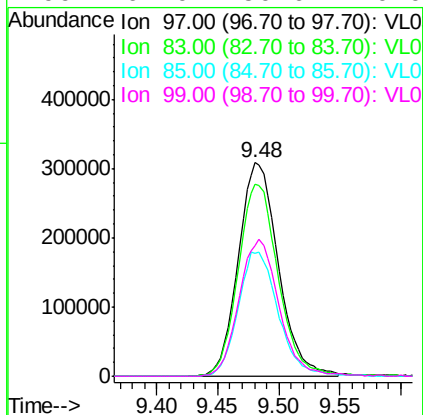
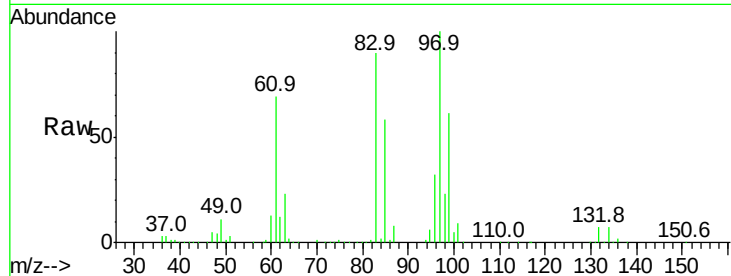
Tgt Ion: 75 Resp: 1005661
 Ion Ratio Lower Upper
 75 100
 39 58.7 44.8 67.2
 77 32.2 25.4 38.0





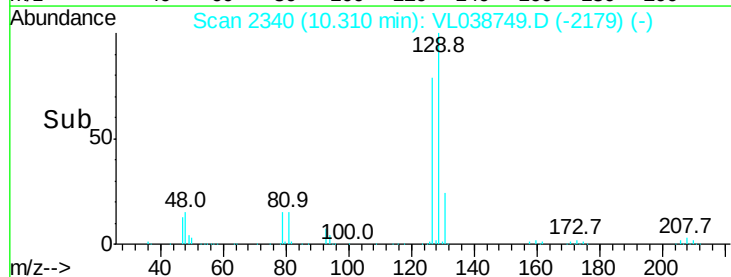
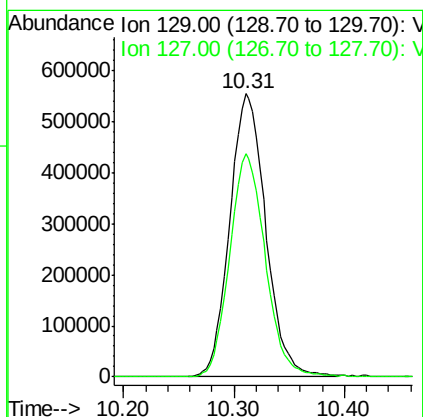
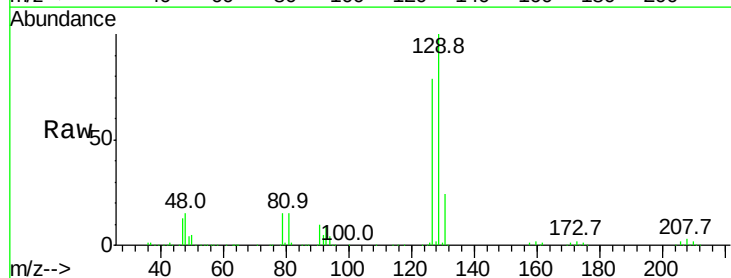
#47
 1,1,2-Trichloroethane
 Concen: 8.61 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

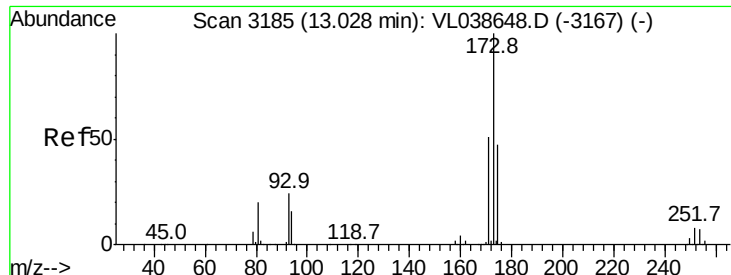
Tgt Ion:	97	Resp:	698664
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.2	106.8
85	57.7	45.3	67.9
99	61.0	50.6	76.0



#48
 Dibromochloromethane
 Concen: 9.88 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

Tgt Ion:	129	Resp:	1255786
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.5





#49

Bromoform

Concen: 9.99 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 15:41

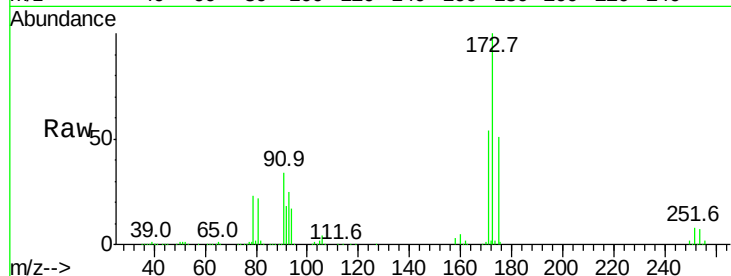
Tgt Ion: 173 Resp: 1035345

Ion Ratio Lower Upper

173 100

175 49.7 41.0 61.6

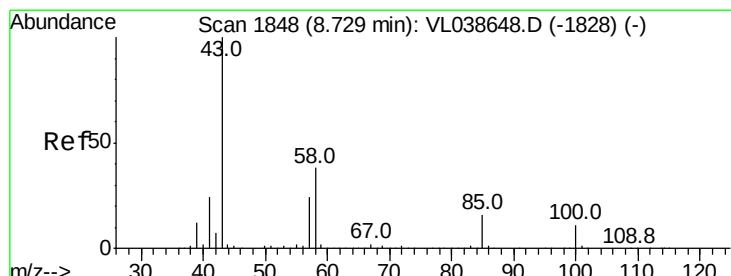
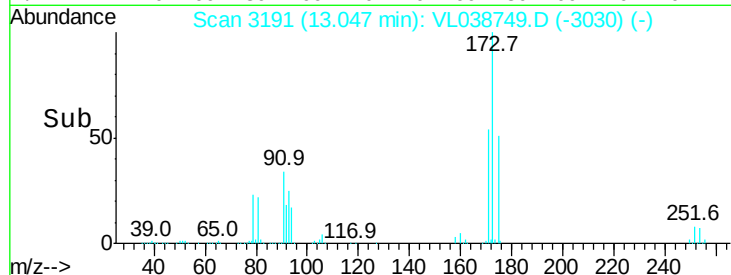
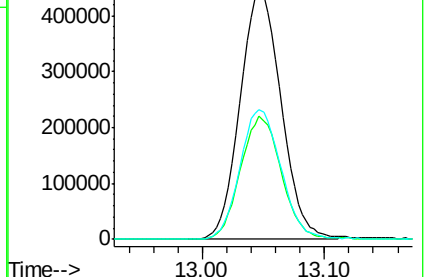
171 52.9 43.1 64.7



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: 8.90 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL038749.D

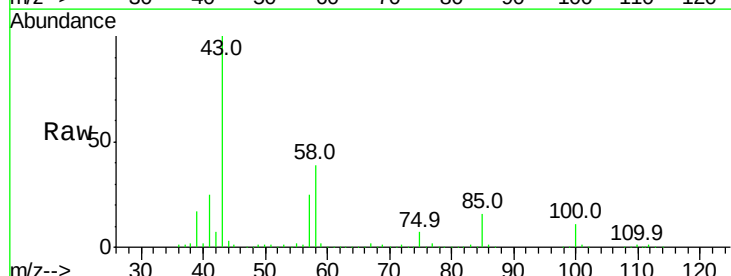
Acq: 24 Mar 2022 15:41

Tgt Ion: 43 Resp: 1649103

Ion Ratio Lower Upper

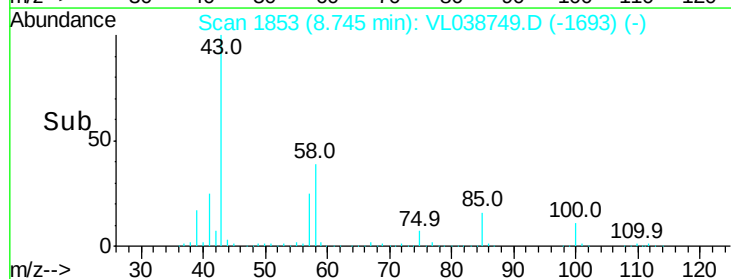
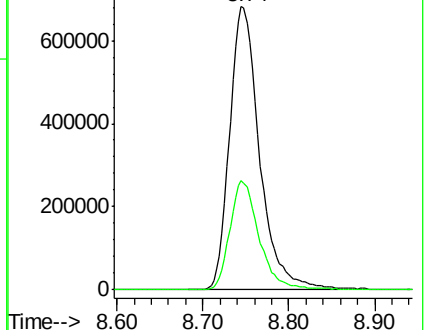
43 100

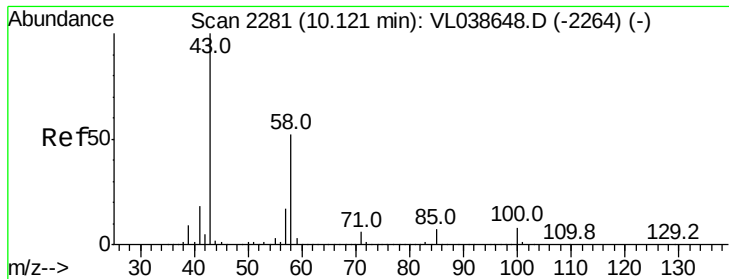
58 38.0 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.50 ppbv

RT: 10.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 15:41

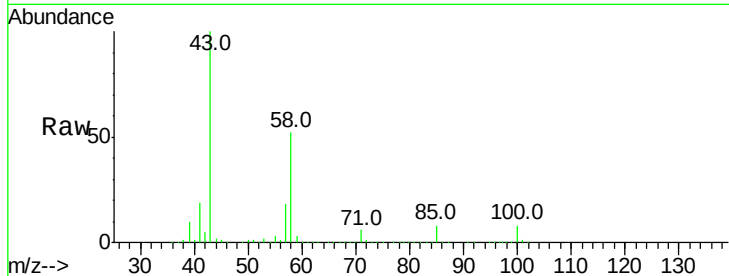
Tgt Ion: 43 Resp: 1264405

Ion Ratio Lower Upper

43 100

58 52.2 41.2 61.8

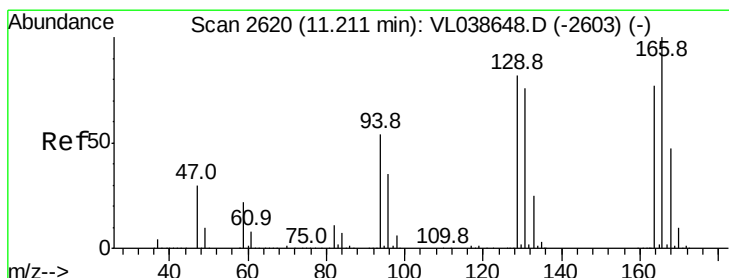
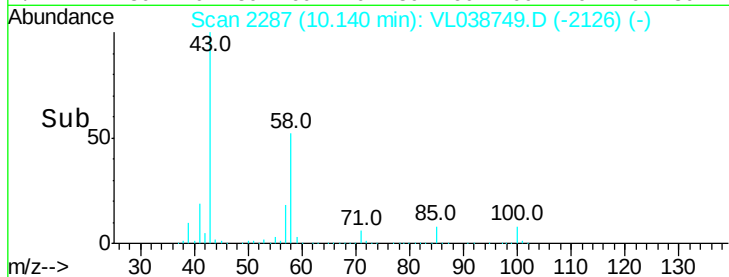
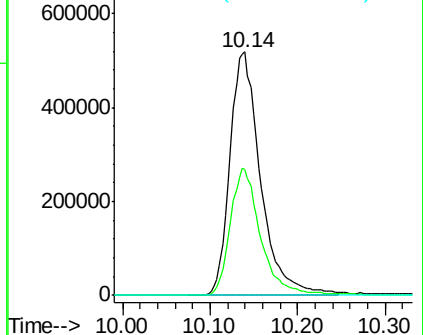
98 0.3 0.2 0.4



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: 8.92 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

Tgt Ion: 164 Resp: 634346

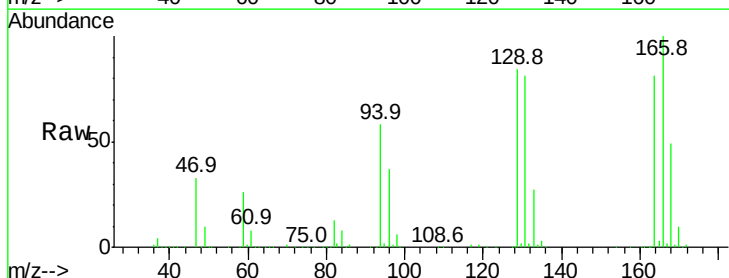
Ion Ratio Lower Upper

164 100

166 123.4 103.3 154.9

129 103.9 85.2 127.8

131 100.1 78.3 117.5

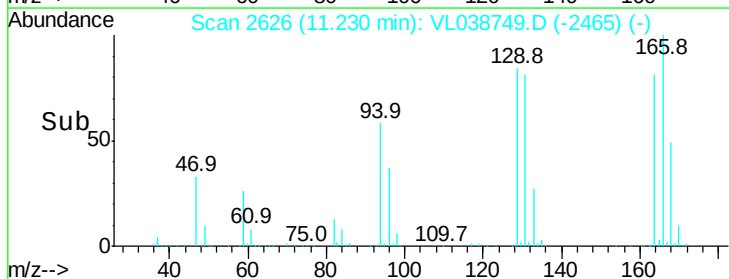
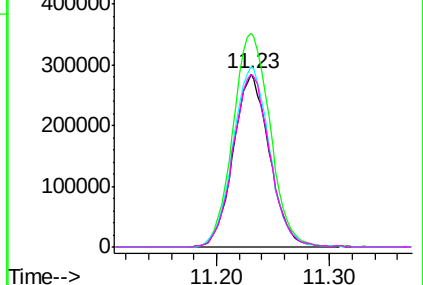


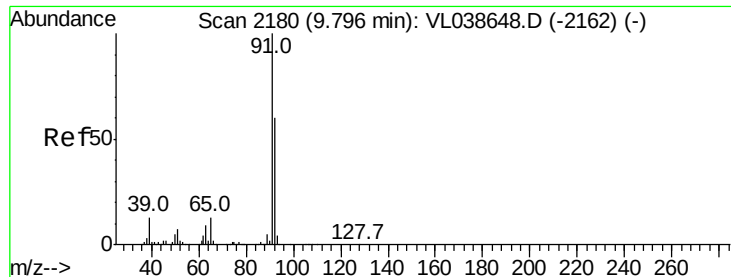
Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.39 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

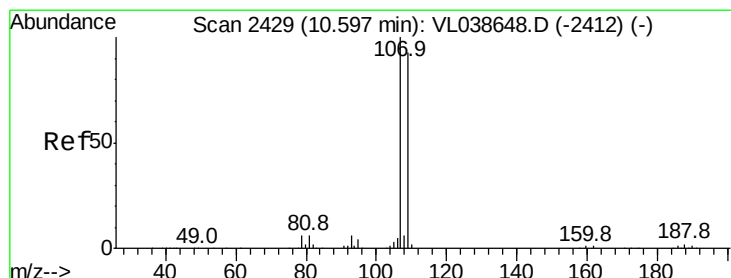
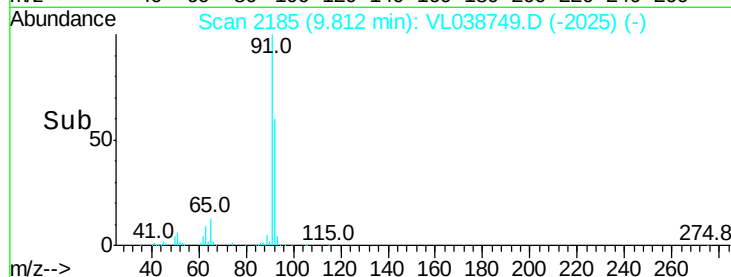
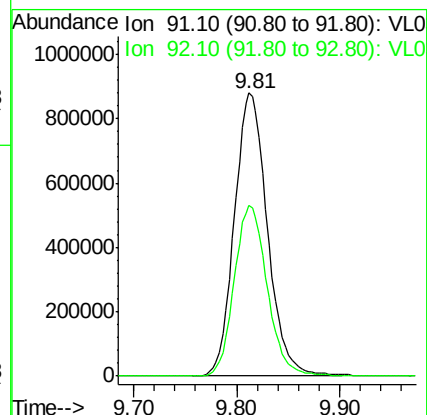
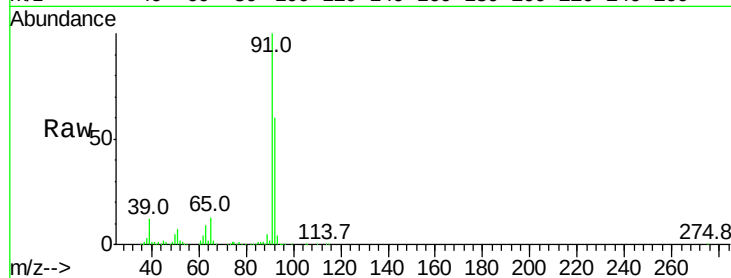
Acq: 24 Mar 2022 15:41 VSTDCCC010

Tgt Ion: 91 Resp: 1961772

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



#54

1,2-Dibromoethane

Concen: 9.42 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.02 min

Lab File: VL038749.D

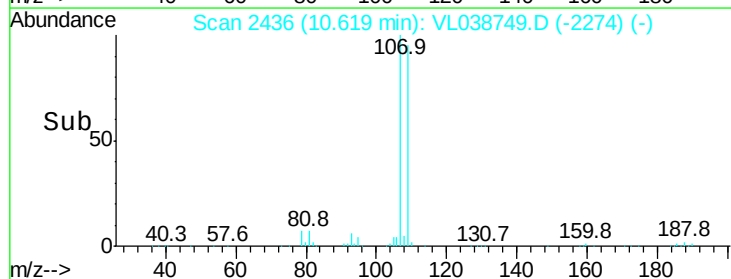
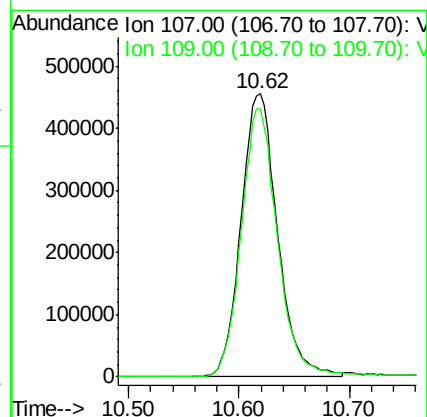
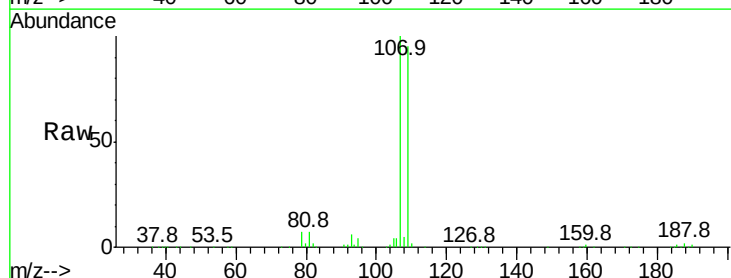
Acq: 24 Mar 2022 15:41

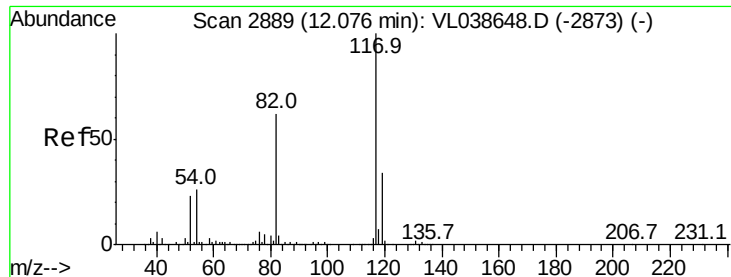
Tgt Ion: 107 Resp: 1043308

Ion Ratio Lower Upper

107 100

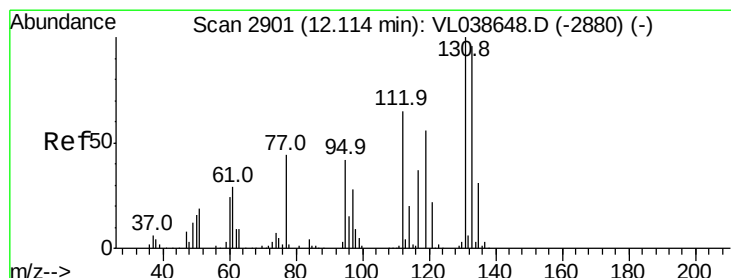
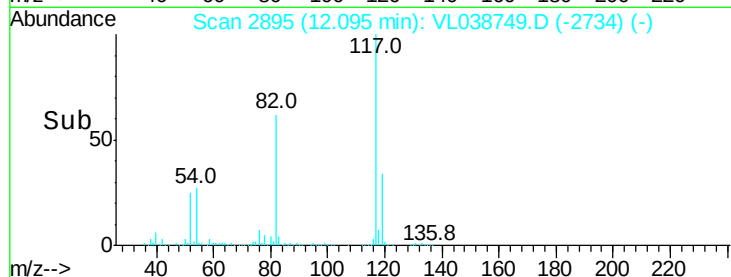
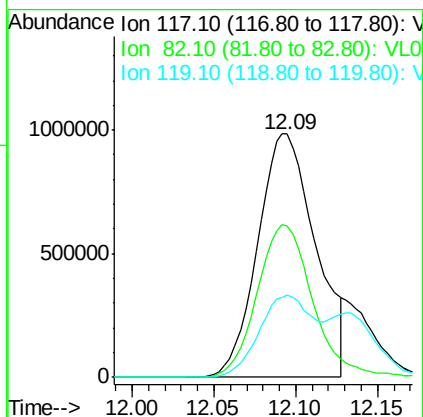
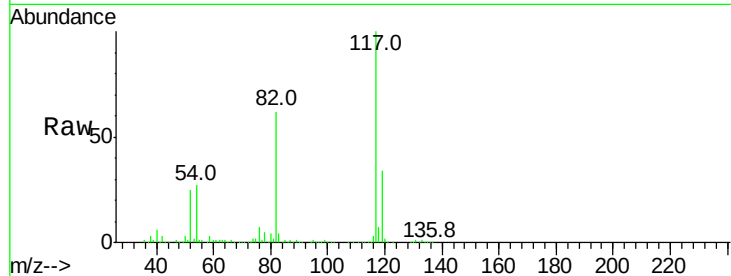
109 94.8 74.1 111.1





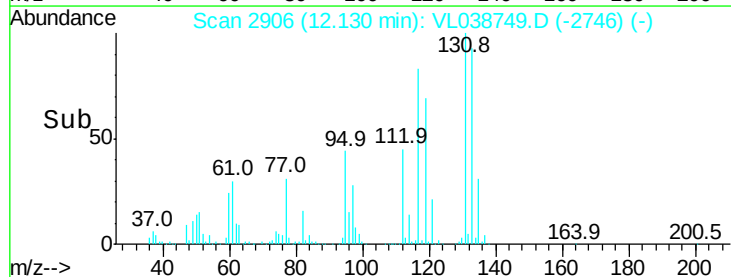
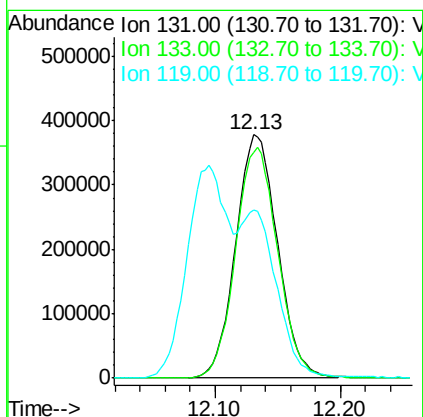
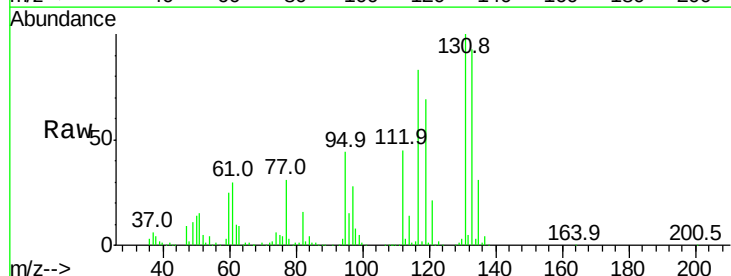
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv m
 RT: 12.09
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

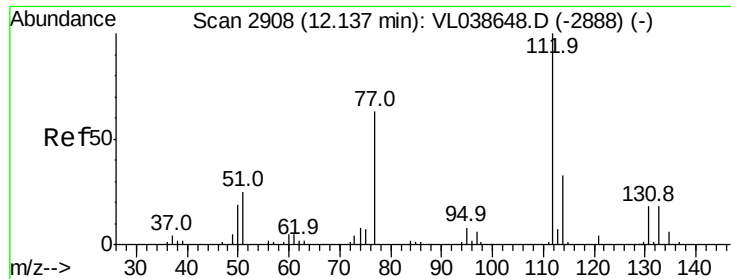
Tgt Ion:117 Resp: 2412267
 Ion Ratio Lower Upper
 117 100
 82 61.0 51.6 77.4
 119 54.1 26.9 40.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.77 ppbv
 RT: 12.13 min Scan# 2906
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

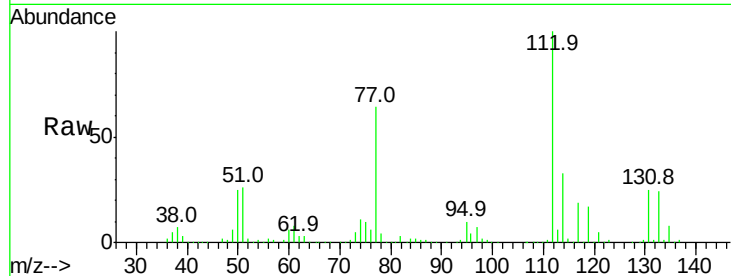
Tgt Ion:131 Resp: 876831
 Ion Ratio Lower Upper
 131 100
 133 95.7 77.3 115.9
 119 148.6 53.0 79.6#



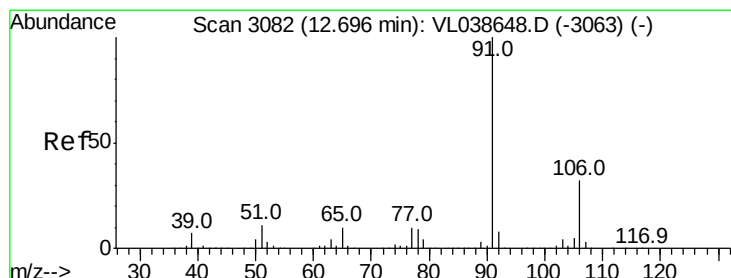
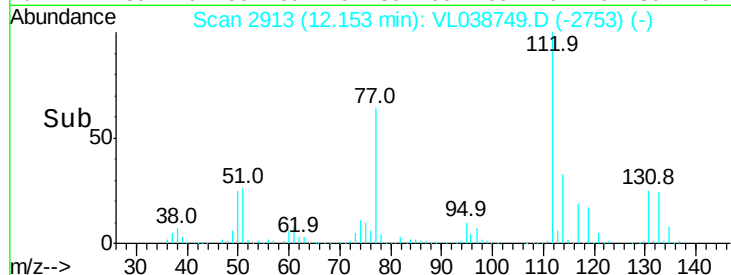
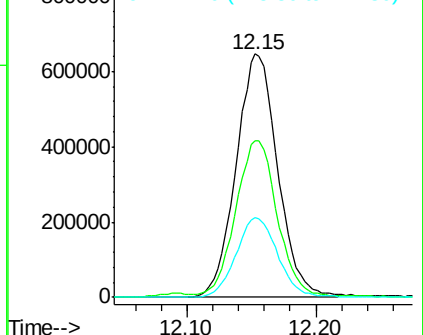


#57
Chlorobenzene
Concen: 8.31 ppbv
RT: 12.15 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 24 Mar 2022 15:41

Tgt Ion: 112 Resp: 1446140
Ion Ratio Lower Upper
112 100
77 63.5 51.0 76.6
114 32.9 29.8 36.4

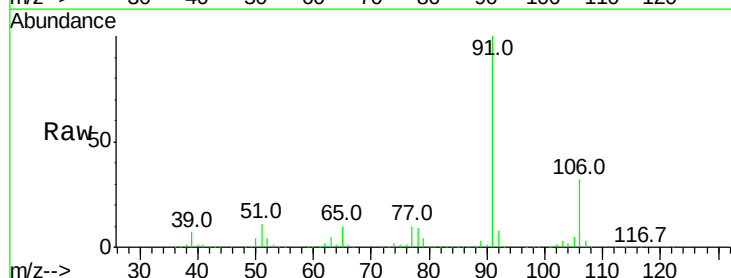


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

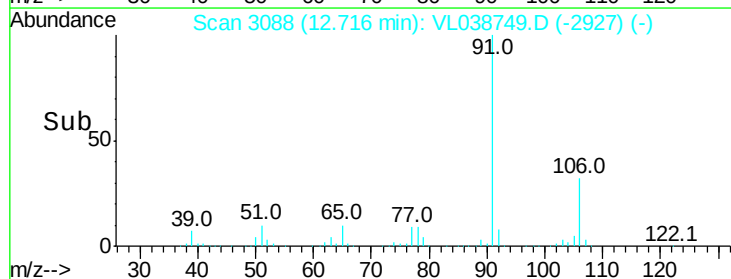
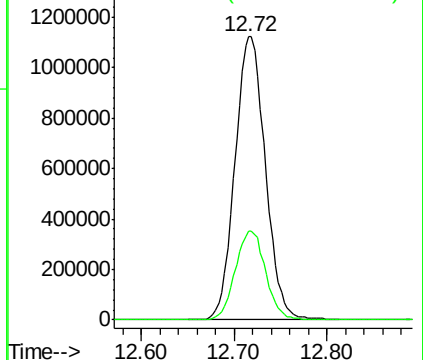


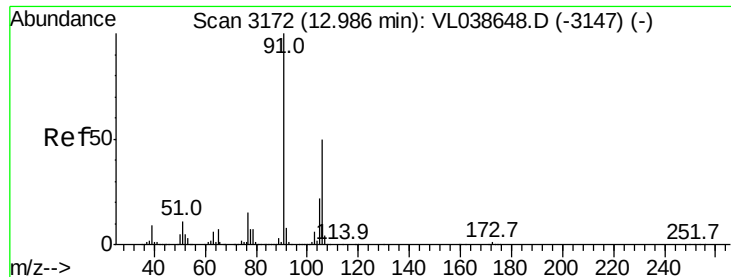
#58
Ethyl Benzene
Concen: 9.04 ppbv
RT: 12.72 min Scan# 3088
Delta R.T.: 0.02 min
Lab File: VL038749.D
Acq: 24 Mar 2022 15:41

Tgt Ion: 91 Resp: 2550424
Ion Ratio Lower Upper
91 100
106 31.6 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: 17.32 ppbv m

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

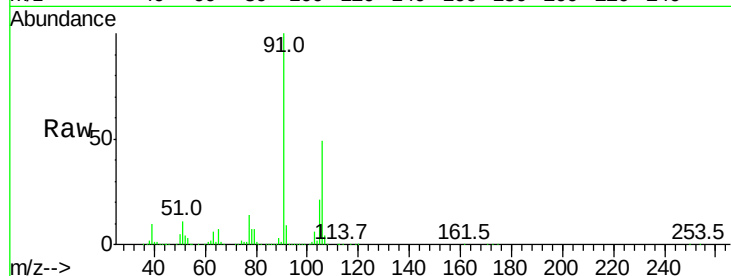
Acq: 24 Mar 2022 15:41

Tgt Ion: 91 Resp: 4272771

Ion Ratio Lower Upper

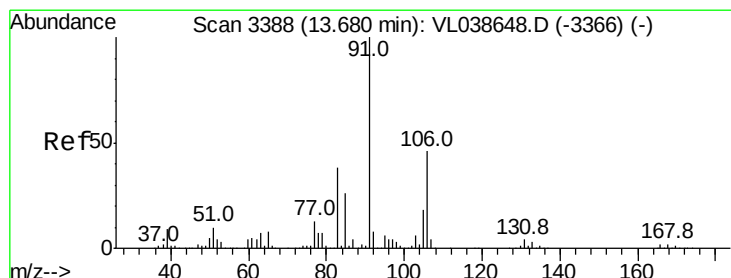
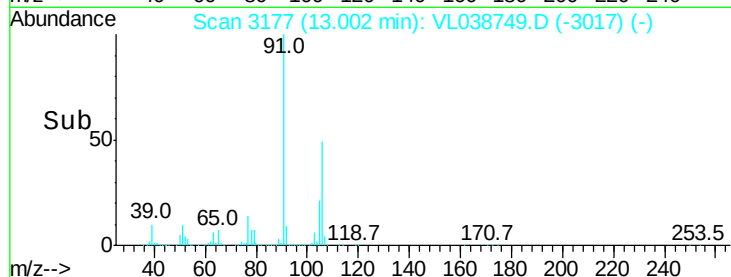
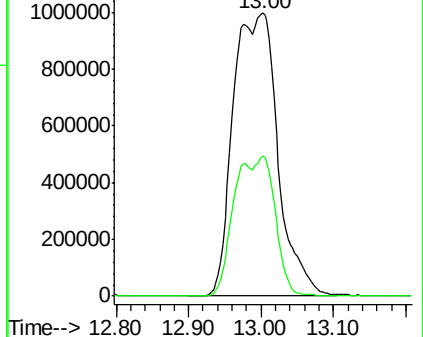
91 100

106 45.3 37.2 55.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.69 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.02 min

Lab File: VL038749.D

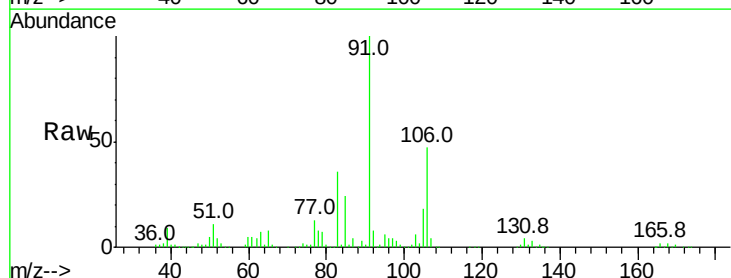
Acq: 24 Mar 2022 15:41

Tgt Ion: 91 Resp: 2034424

Ion Ratio Lower Upper

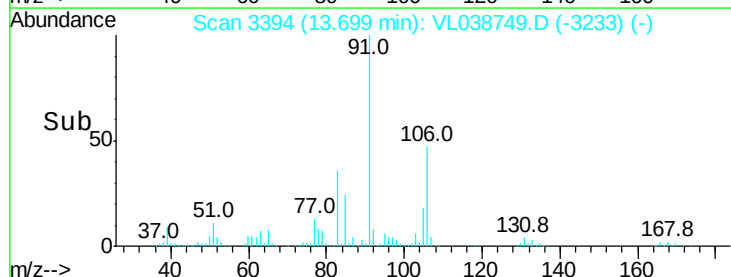
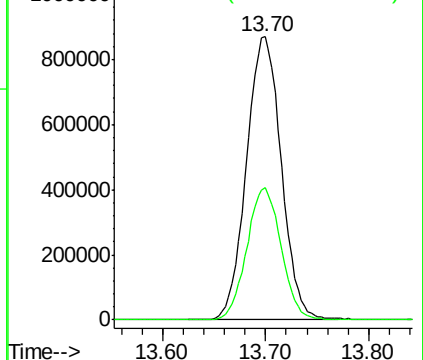
91 100

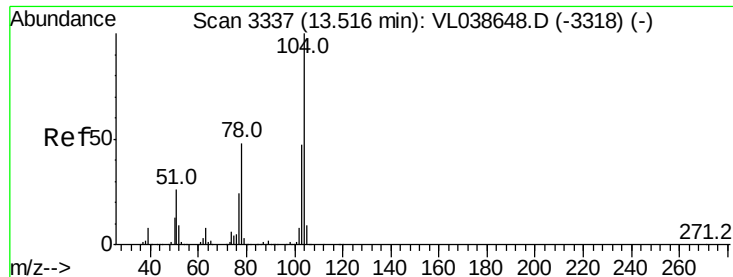
106 46.4 23.5 70.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

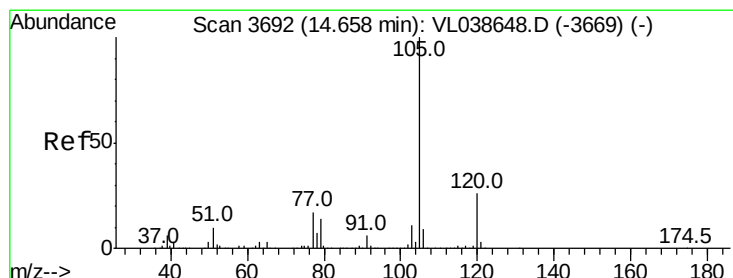
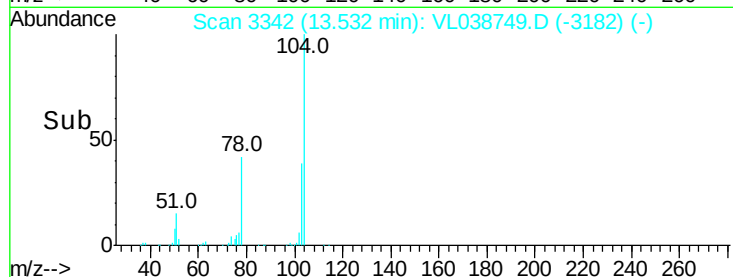
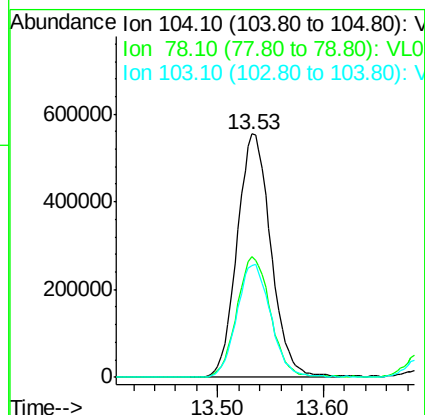
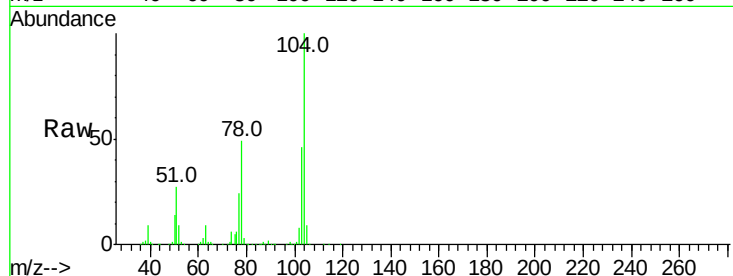
Ion 106.10 (105.80 to 106.80): V





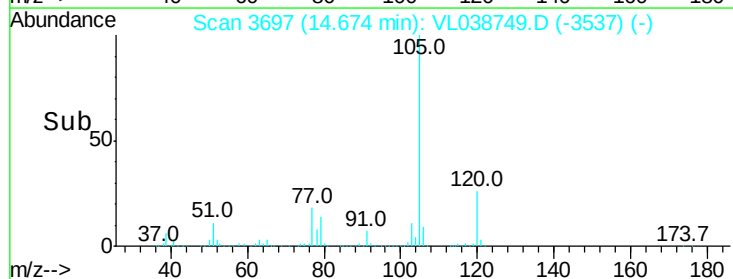
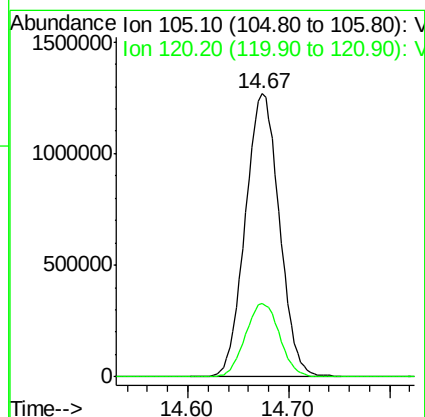
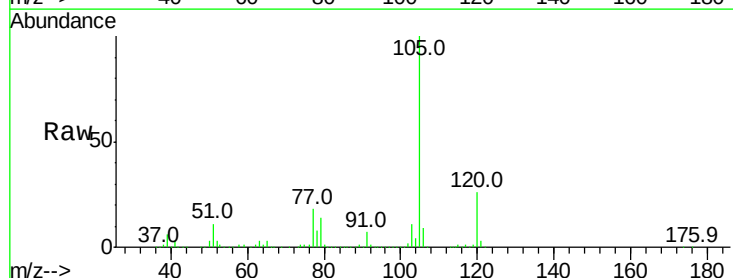
#61
Styrene
Concen: 9.73 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 15:41

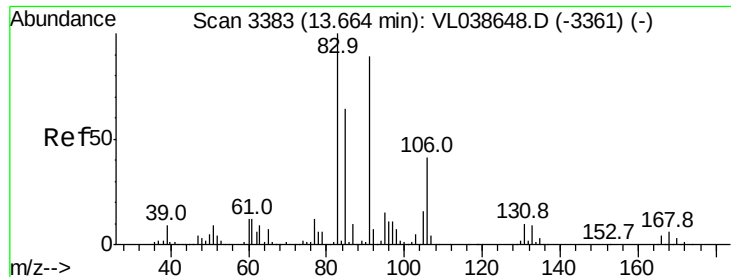
Tgt Ion:104 Resp: 1236402
Ion Ratio Lower Upper
104 100
78 49.7 39.0 58.4
103 46.8 37.8 56.8



#62
Isopropylbenzene
Concen: 8.43 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.02 min
Lab File: VL038749.D
Acq: 24 Mar 2022 15:41

Tgt Ion:105 Resp: 2967512
Ion Ratio Lower Upper
105 100
120 26.1 21.2 31.8





#63

1,1,2,2-Tetrachloroethane

Concen: 7.16 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 15:41

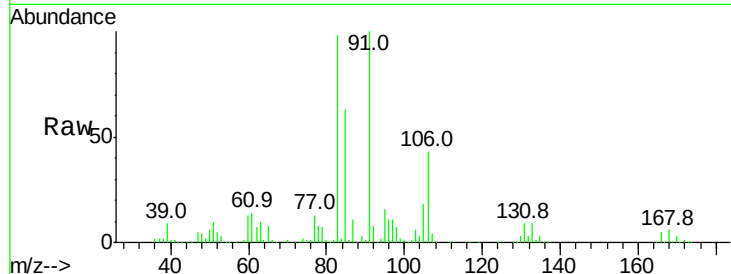
Tgt Ion: 83 Resp: 1299799

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

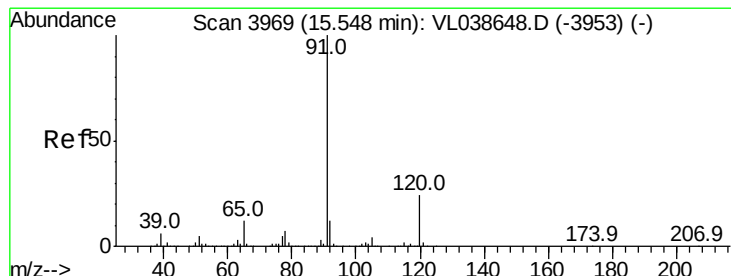
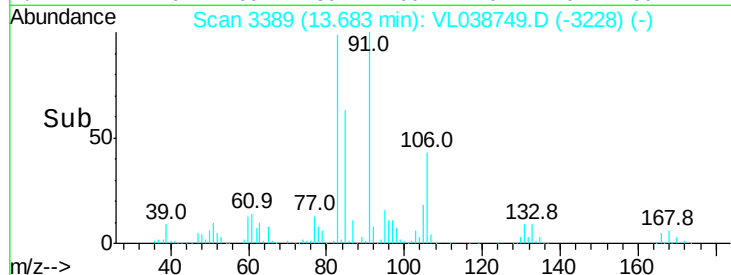
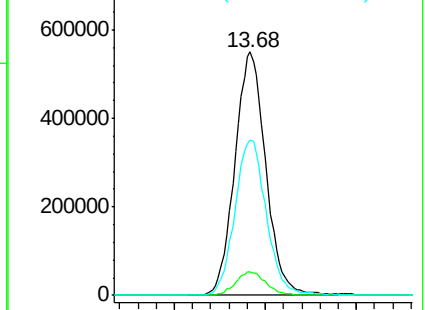
85 65.4 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.49 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.02 min

Lab File: VL038749.D

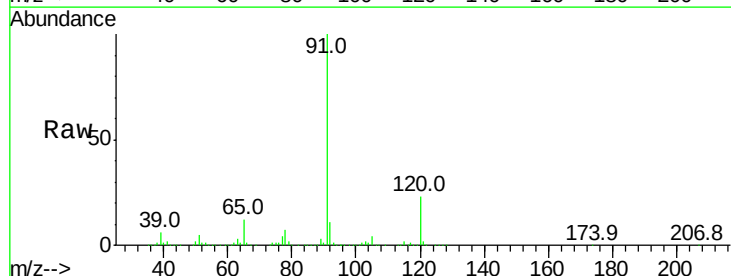
Acq: 24 Mar 2022 15:41

Tgt Ion: 120 Resp: 784623

Ion Ratio Lower Upper

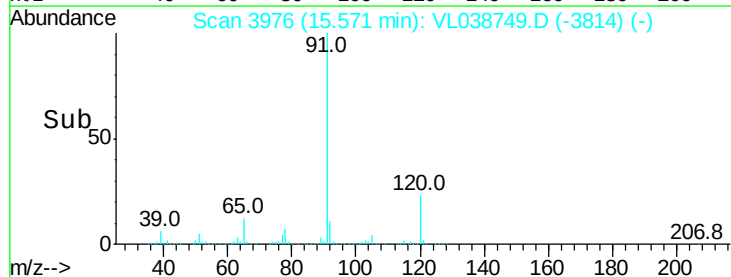
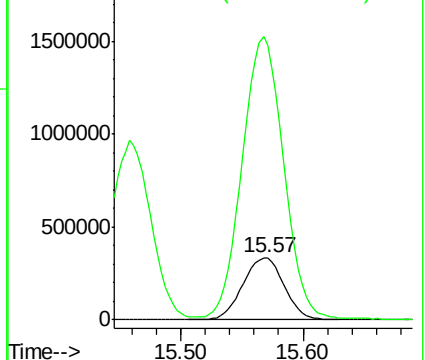
120 100

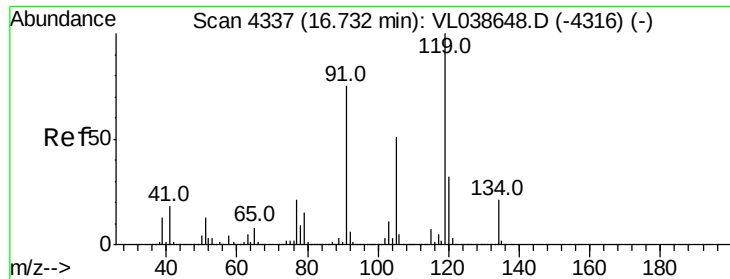
91 458.9 368.0 552.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

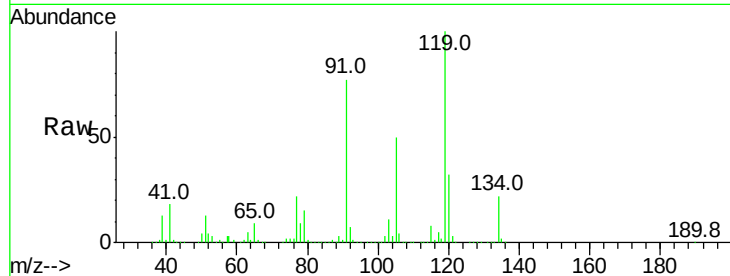
Ion 91.10 (90.80 to 91.80): VL0



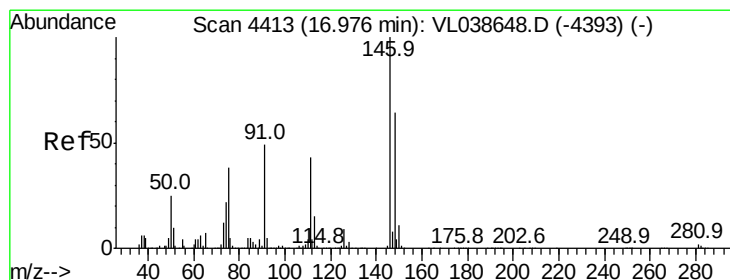
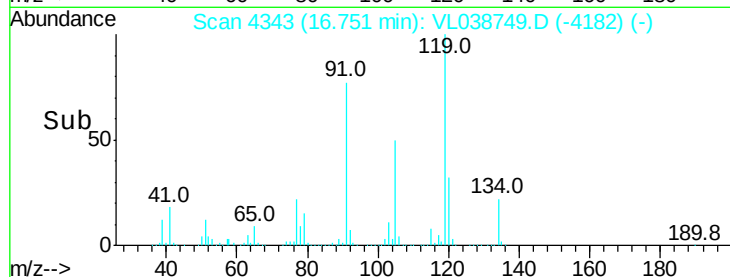
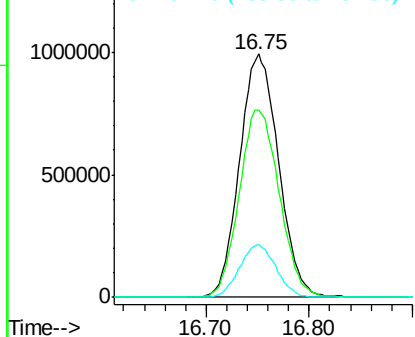


#65
 tert-Butylbenzene
 Concen: 8.25 ppbv
 RT: 16.75
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

Tgt Ion: 119 Resp: 2610423
 Ion Ratio Lower Upper
 119 100
 91 79.1 61.2 91.8
 134 20.5 16.3 24.5

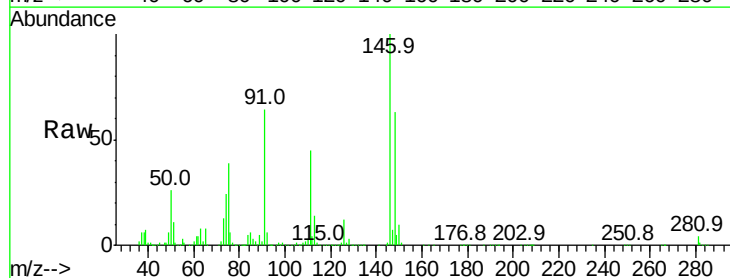


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

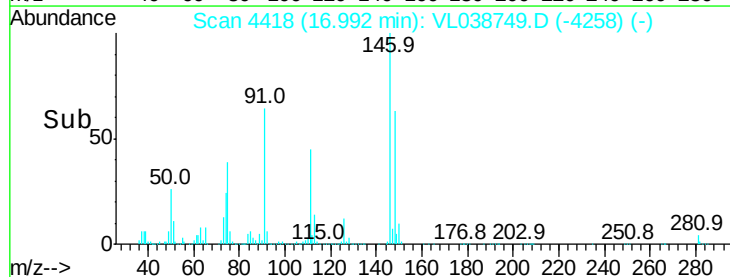
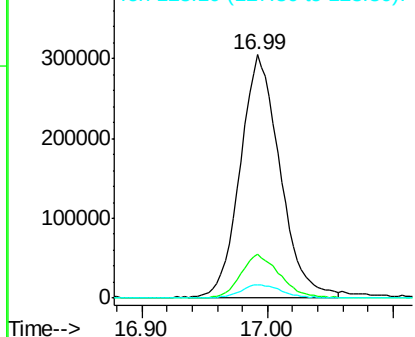


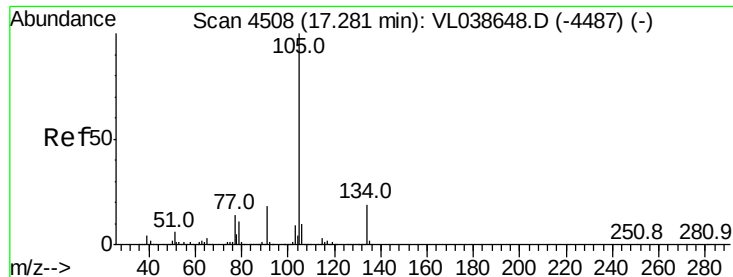
#66
 Benzyl Chloride
 Concen: 11.13 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

Tgt Ion: 91 Resp: 666998
 Ion Ratio Lower Upper
 91 100
 126 18.0 14.3 21.5
 128 5.7 4.6 6.8



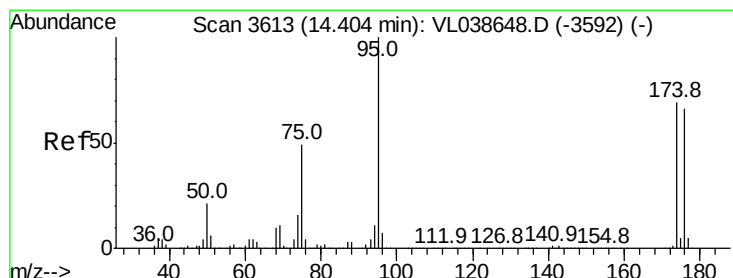
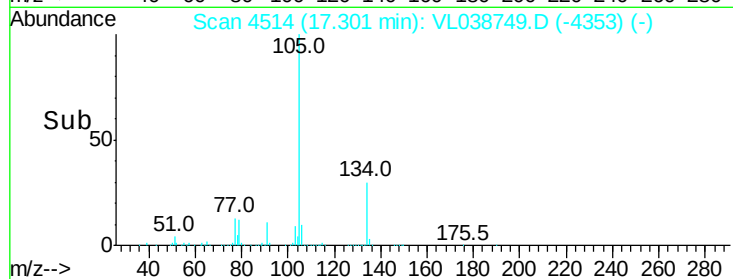
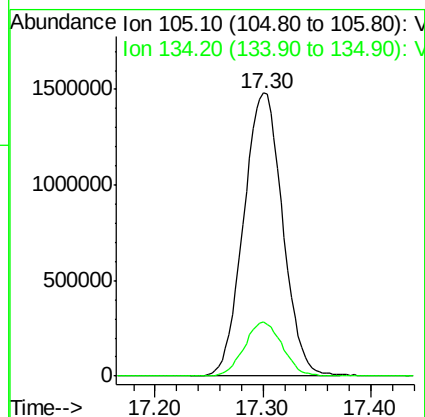
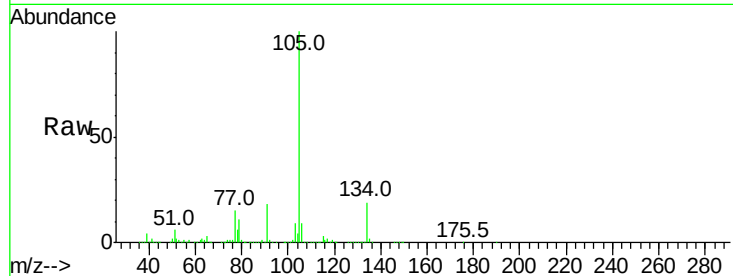
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





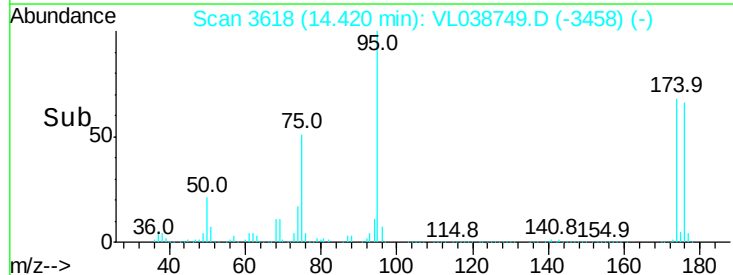
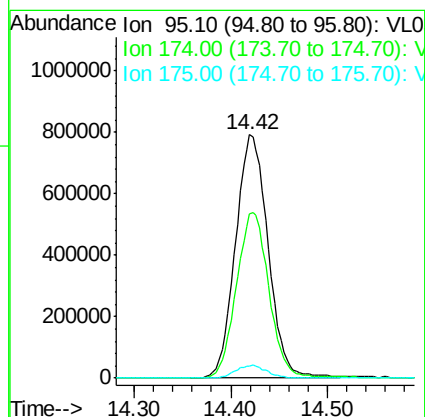
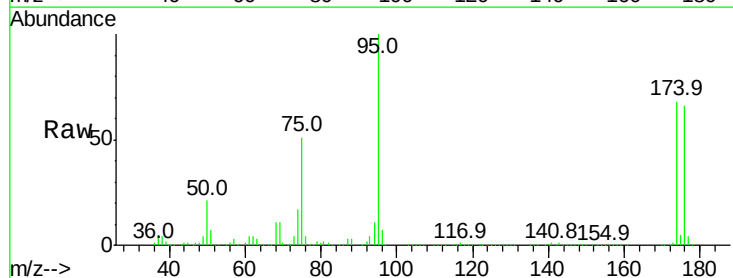
#67
 sec-Butylbenzene
 Concen: 8.20 ppbv
 RT: 17.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

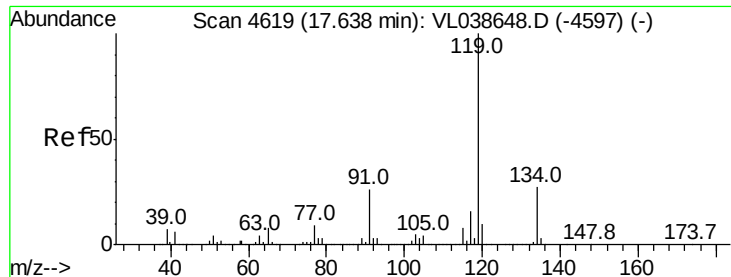
Tgt Ion: 105 Resp: 3709245
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.04 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

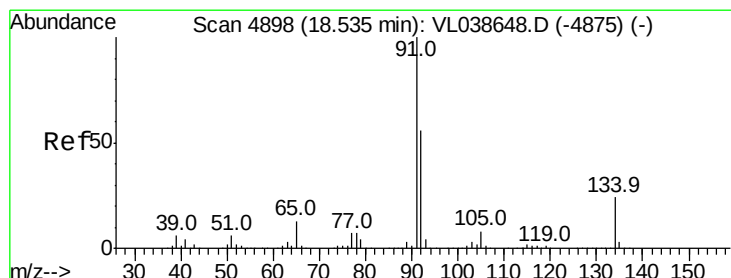
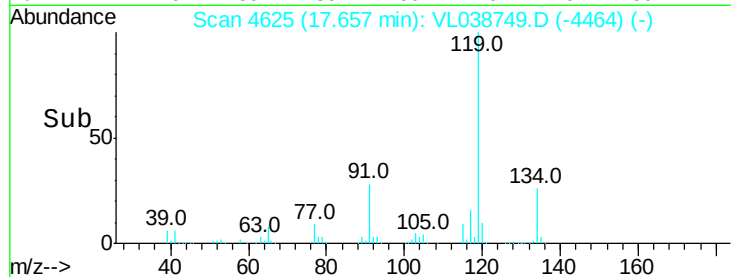
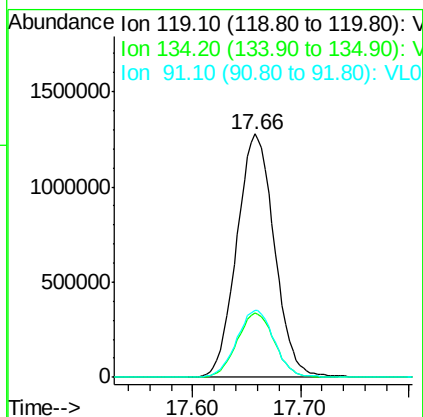
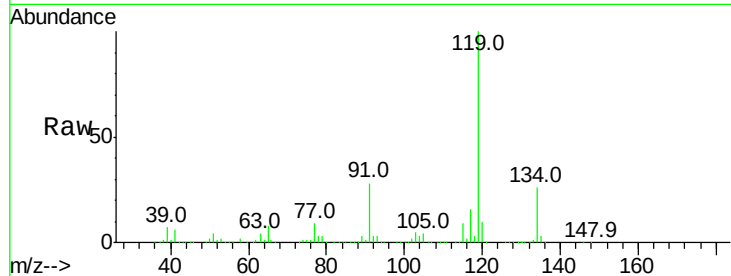
Tgt Ion: 95 Resp: 1857367
 Ion Ratio Lower Upper
 95 100
 174 68.8 56.1 84.1
 175 5.1 4.2 6.2





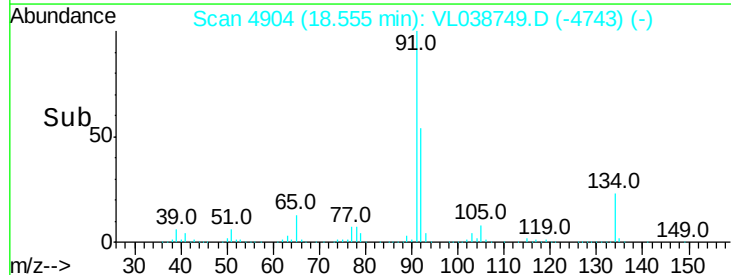
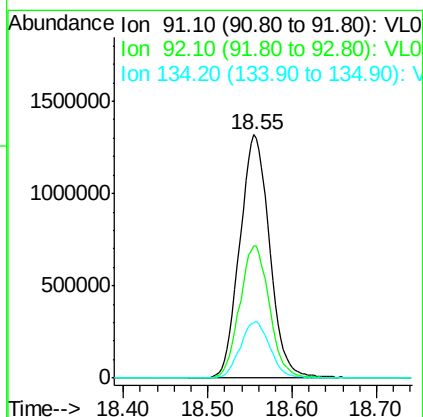
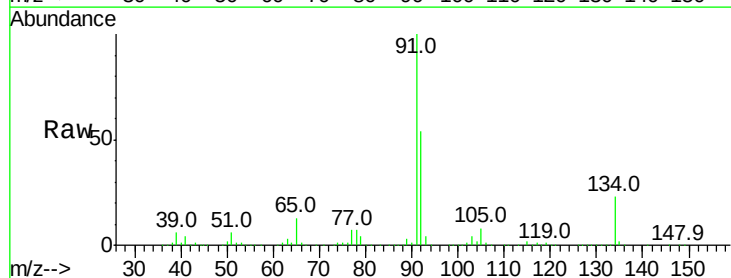
#69
 p-Isopropyltoluene
 Concen: 8.39 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

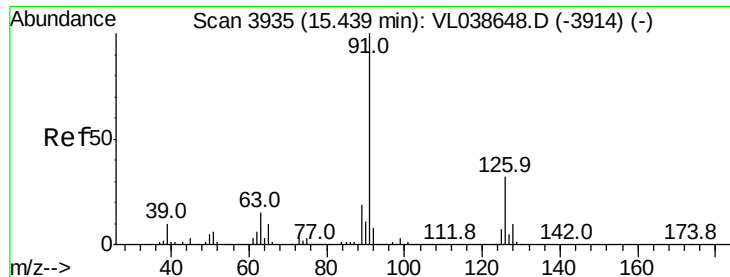
Tgt Ion: 119 Resp: 3096813
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.2 31.8
 91 27.6 21.4 32.2



#70
 n-Butylbenzene
 Concen: 8.53 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

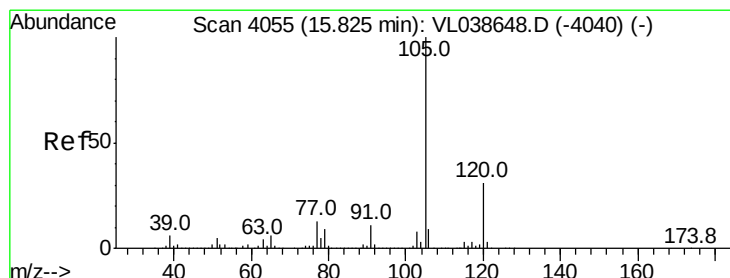
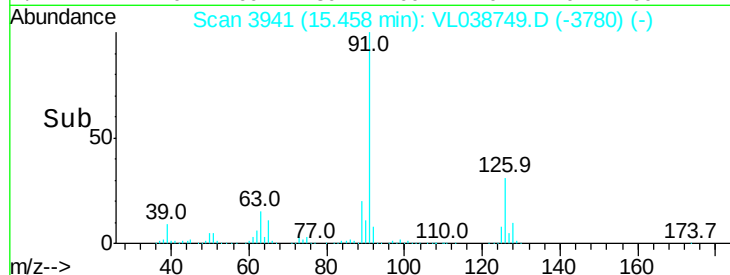
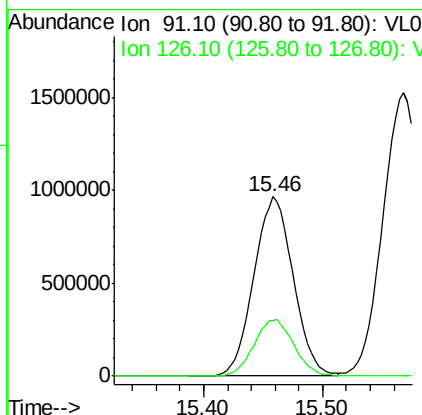
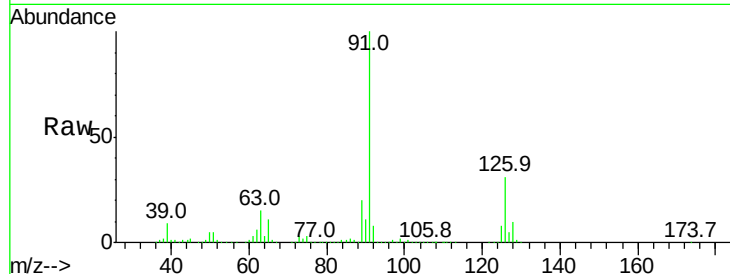
Tgt Ion: 91 Resp: 3247236
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.9 65.9
 134 23.2 18.7 28.1





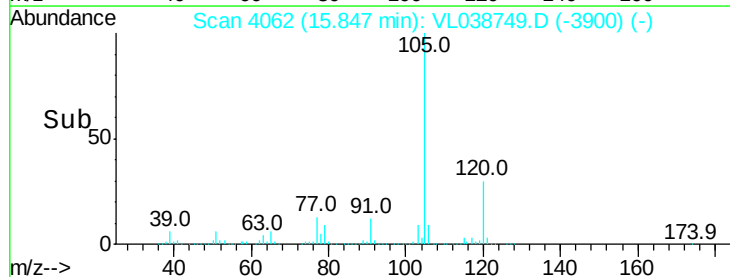
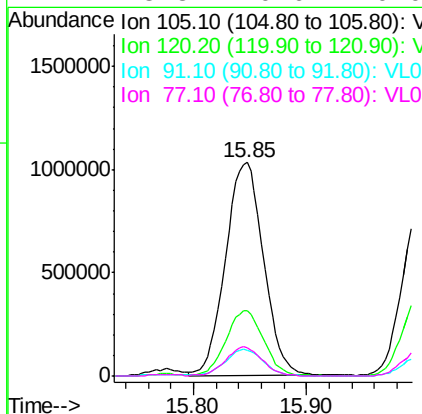
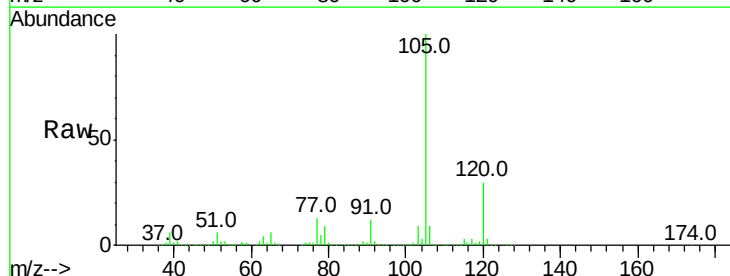
#71
 2-Chlorotoluene
 Concen: 8.47 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

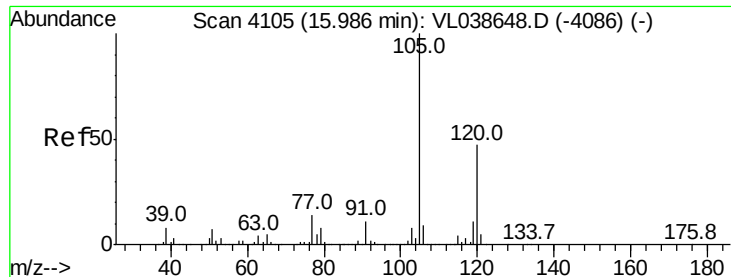
Tgt Ion: 91 Resp: 2214661
 Ion Ratio Lower Upper
 91 100
 126 32.1 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.74 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

Tgt Ion: 105 Resp: 2417380
 Ion Ratio Lower Upper
 105 100
 120 30.6 24.9 37.3
 91 12.3 9.8 14.6
 77 13.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.55 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

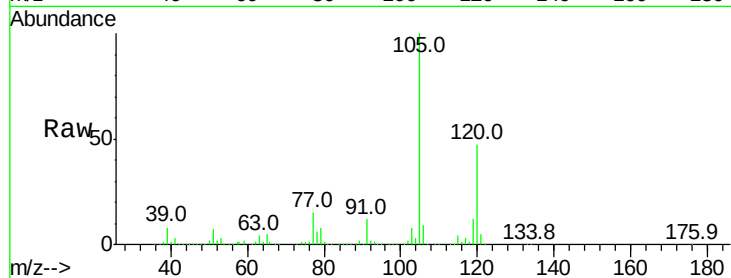
Acq: 24 Mar 2022 15:41

Tgt Ion:105 Resp: 2153926

Ion Ratio Lower Upper

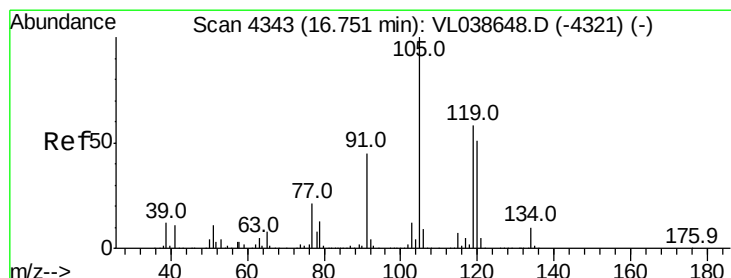
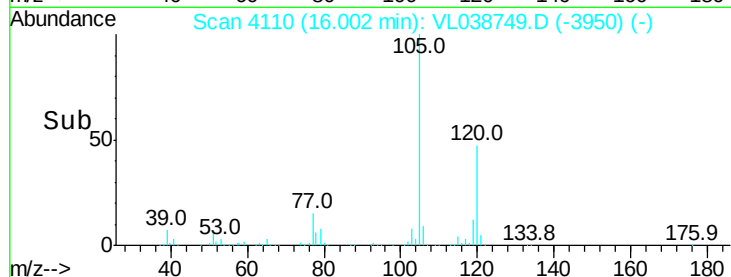
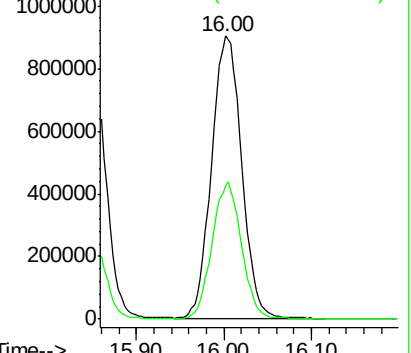
105 100

120 47.2 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.35 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.02 min

Lab File: VL038749.D

Acq: 24 Mar 2022 15:41

Tgt Ion:105 Resp: 2292552

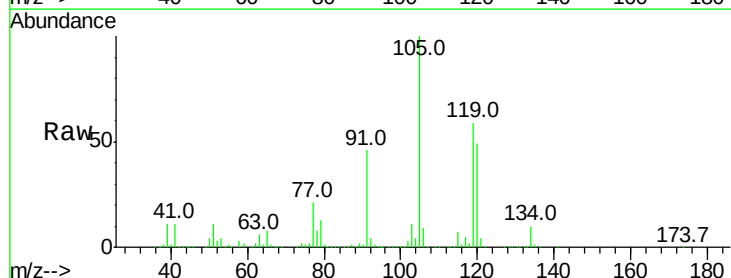
Ion Ratio Lower Upper

105 100

120 48.8 40.5 60.7

91 45.7 35.9 53.9

77 21.0 16.6 25.0

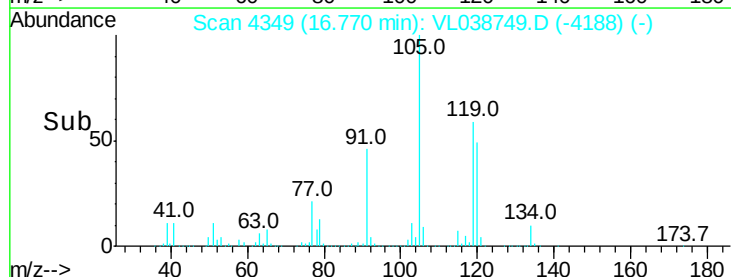
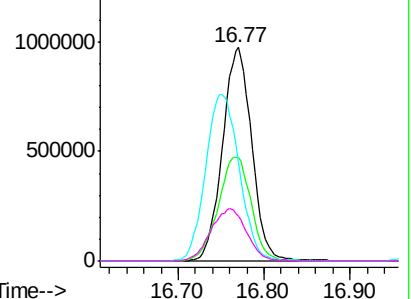


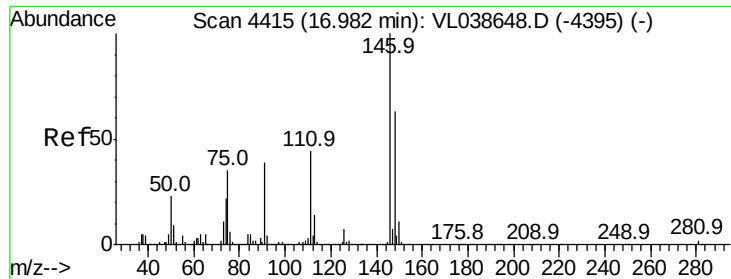
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

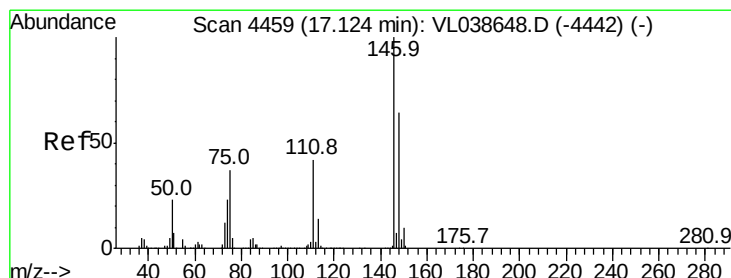
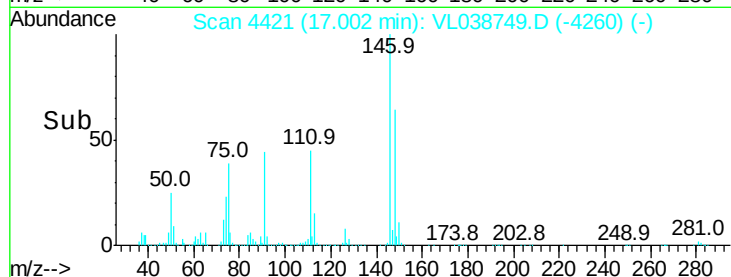
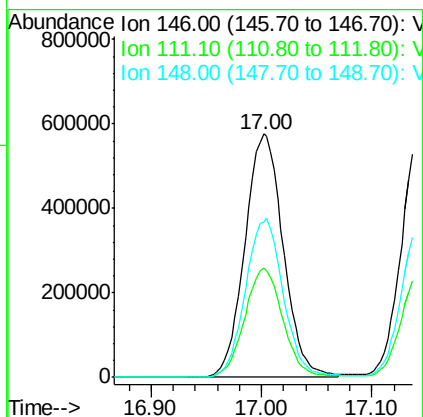
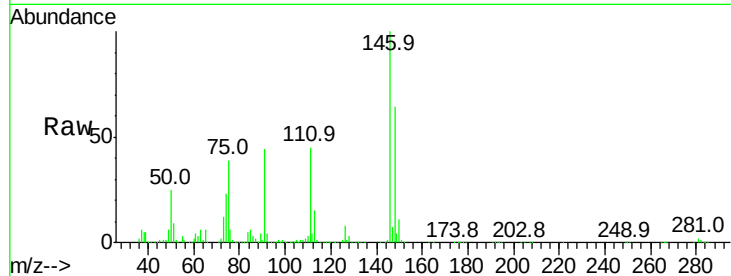
Ion 77.10 (76.80 to 77.80): VL0





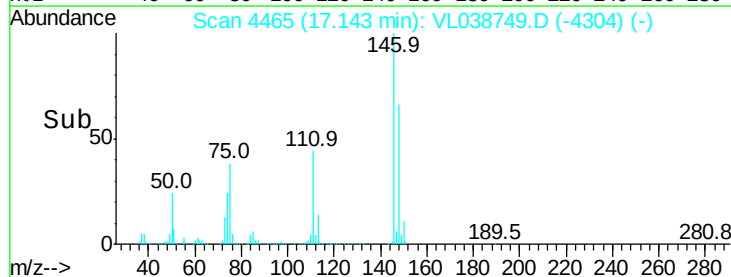
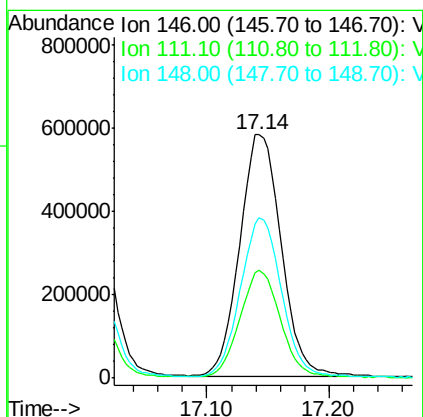
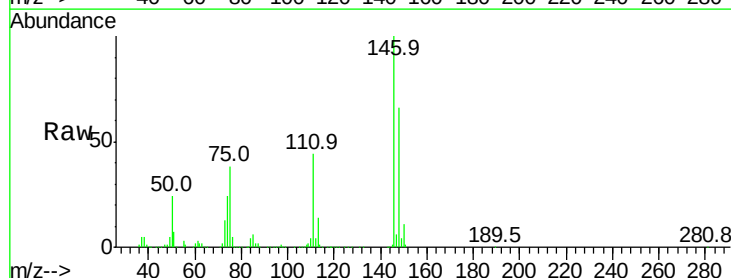
#75
 1,3-Dichlorobenzene
 Concen: 7.94 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

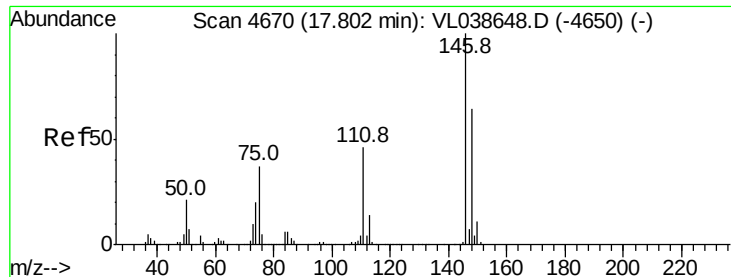
Tgt Ion:146 Resp: 1388721
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.2 66.6
 148 64.5 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.80 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

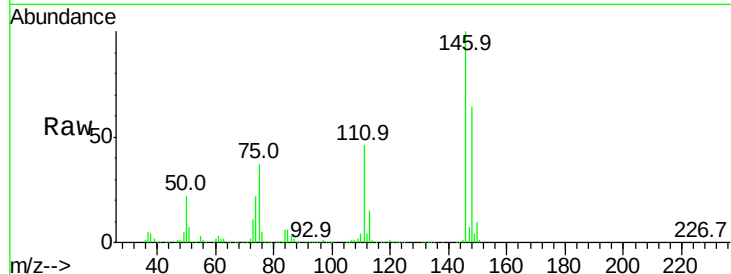
Tgt Ion:146 Resp: 1355399
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.4 64.2
 148 67.3 32.1 96.3



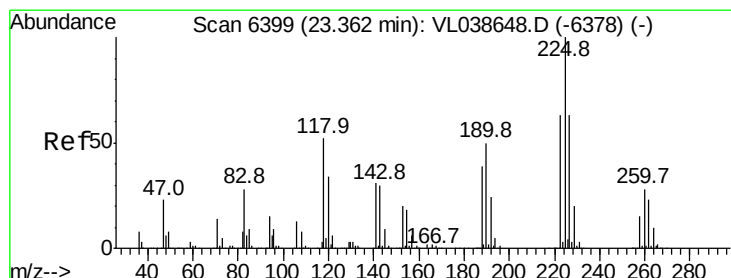
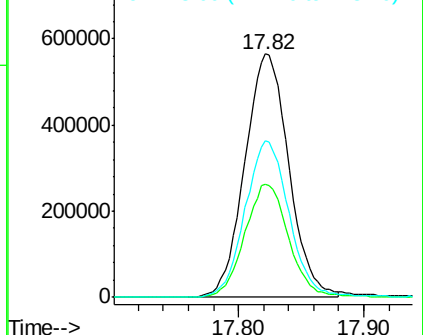
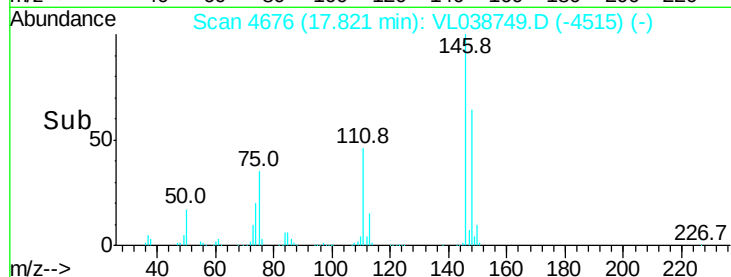


#77
 1,2-Dichlorobenzene
 Concen: 7.92 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

Tgt Ion:146 Resp: 1371405
 Ion Ratio Lower Upper
 146 100
 111 47.2 22.8 68.4
 148 64.6 32.5 97.4

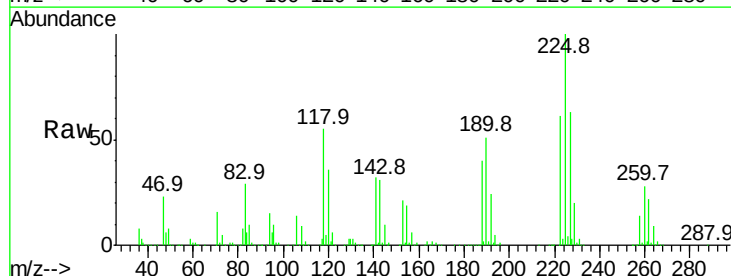


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

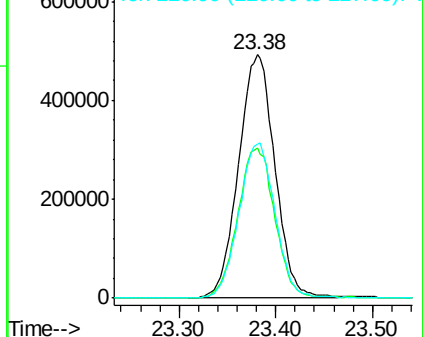
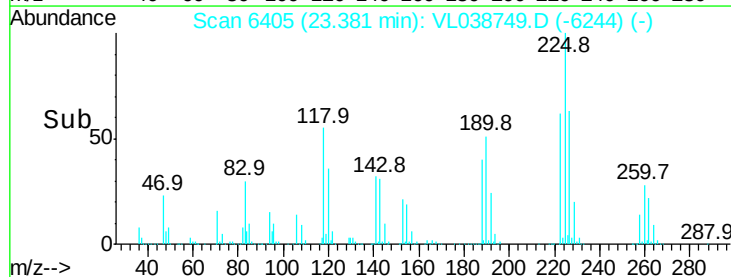


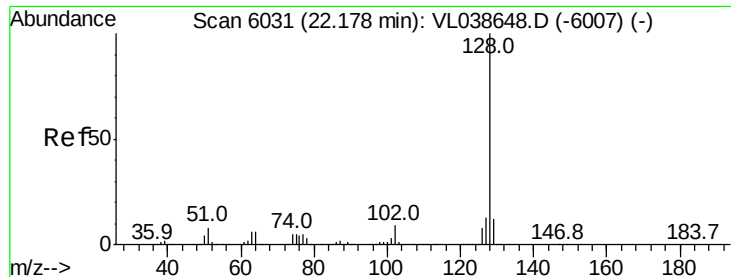
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.03 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.02 min
 Lab File: VL038749.D
 Acq: 24 Mar 2022 15:41

Tgt Ion:225 Resp: 1284426
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.0 76.6
 227 63.9 51.5 77.3



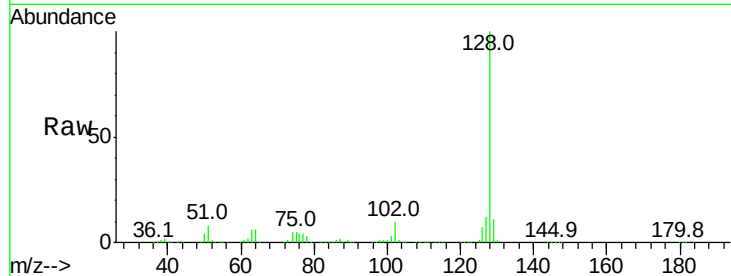
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



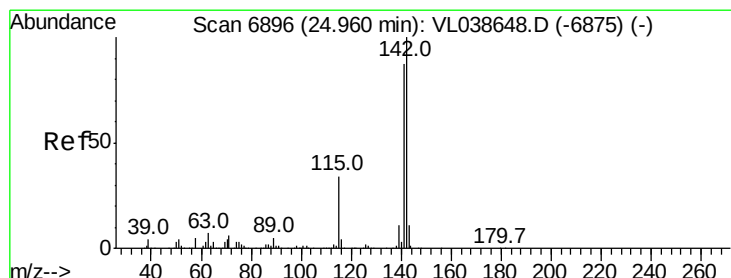
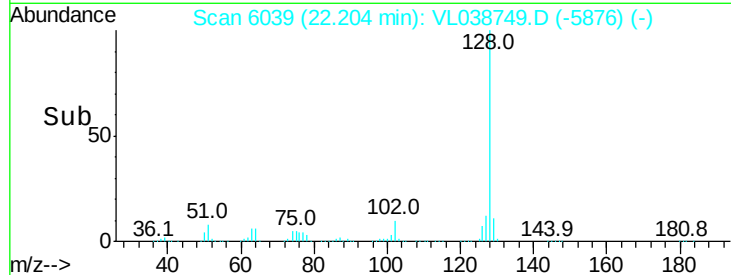
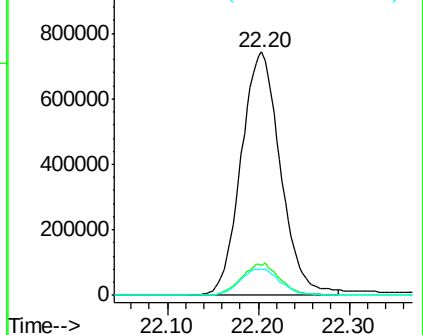


#79
Naphthalene
Concen: 10.64 ppbv
RT: 22.20 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2022 15:41

Tgt Ion:128 Resp: 2230214
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.8 9.2 13.8

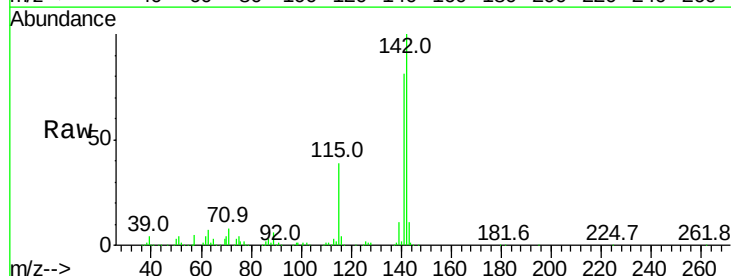


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

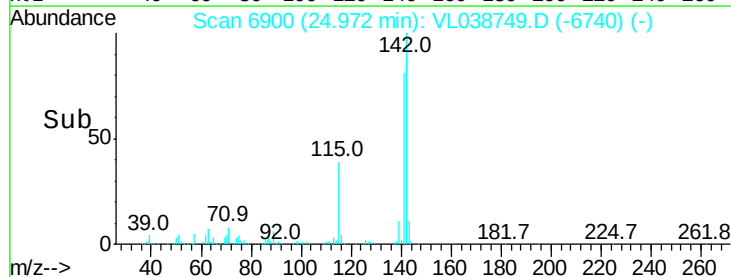
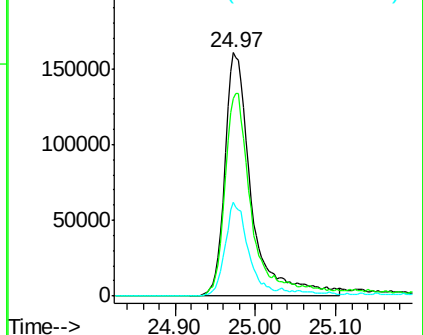


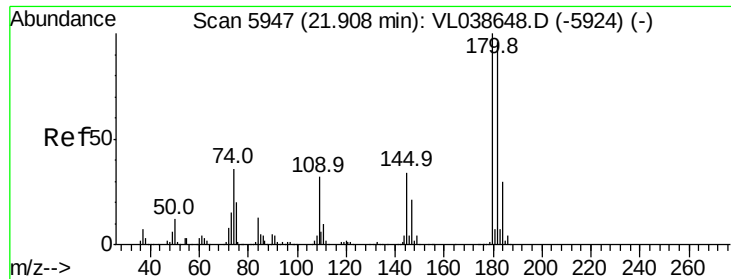
#80
Naphthalene, 2-methyl-
Concen: 6.65 ppbv m
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL038749.D
Acq: 24 Mar 2022 15:41

Tgt Ion:142 Resp: 374064
Ion Ratio Lower Upper
142 100
141 84.5 66.4 99.6
115 37.2 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: 8.98 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Mar 2022 15:41

Tgt Ion:	180	Resp:	1289159
Ion	Ratio	Lower	Upper
180	100		
182	97.0	79.2	118.8
184	31.5	24.8	37.2

