

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038717.D
 Acq On : 23 Mar 2022 15:44
 Operator : SY/AP
 Sample : VL0323ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 24 04:33:43 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	5.65	49	780742	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2078410	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2367666	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1424612	7.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	883862	8.421	ppbv 98
3) Chlorodifluoromethane	2.99	51	807190	9.789	ppbv 98
4) Chloromethane	3.14	50	437956	9.674	ppbv 100
5) Vinyl Chloride	3.25	62	458114	9.959	ppbv 99
6) Bromomethane	3.47	94	264220	10.774	ppbv 98
7) Chloroethane	3.55	64	156972	10.308	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	1074405	10.253	ppbv 98
9) Propene	3.01	41	363299	9.126	ppbv 99
10) Heptane	8.11	43	962445	10.114	ppbv 99
11) Trichlorofluoromethane	3.94	101	1035886	11.183	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	785437	11.015	ppbv 99
13) Ethanol	3.60	45	30245	6.887	ppbv 79
14) Bromoethene	3.73	108	345871	10.914	ppbv 98
15) Acetone	3.84	43	693478	10.294	ppbv 100
16) 1,3-Butadiene	3.32	39	405720	10.612	ppbv 99
17) tert-Butyl alcohol	4.28	59	724368	12.312	ppbv 100
18) 1,1-Dichloroethene	4.28	96	357804	11.169	ppbv 96
19) Isopropyl Alcohol	3.95	45	411713	11.023	ppbv 99
20) Methylene Chloride	4.34	84	289196	10.192	ppbv 98
21) Allyl Chloride	4.40	41	530217	10.936	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	382288	11.505	ppbv 99
23) Vinyl Acetate	5.06	43	777266	11.915	ppbv 99
24) 1,1-Dichloroethane	5.00	63	708488	11.028	ppbv 100
25) Ethyl Acetate	5.66	43	1707715	10.070	ppbv 99
26) Hexane	5.67	57	757700	9.980	ppbv 99
27) Carbon Disulfide	4.54	76	926651	12.442	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	661874	11.703	ppbv 99
29) Chloroform	5.74	83	1247631	10.263	ppbv 100
30) Cyclohexane	7.11	84	646420	9.792	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	757853	10.616	ppbv 98
32) 1,1,1-Trichloroethane	6.49	97	1244071	10.604	ppbv 99
34) 2-Butanone	5.23	43	803766	9.771	ppbv 98
35) Carbon Tetrachloride	7.00	117	1302290	10.799	ppbv 98
36) Benzene	6.88	78	1623895	10.123	ppbv 100
37) 1,2-Dichloroethane	6.29	62	866281	10.617	ppbv 99
38) Trichloroethene	7.82	130	700801	10.429	ppbv 98
39) 1,2-Dichloropropane	7.60	63	614219	9.795	ppbv 95
40) 1,4-Dioxane	7.81	88	231928	10.650	ppbv 93
41) Tetrahydrofuran	6.03	42	614146	10.031	ppbv 99
42) Bromodichloromethane	7.77	83	1347783	11.017	ppbv 99
43) Methyl Methacrylate	8.00	69	642569	10.790	ppbv 99

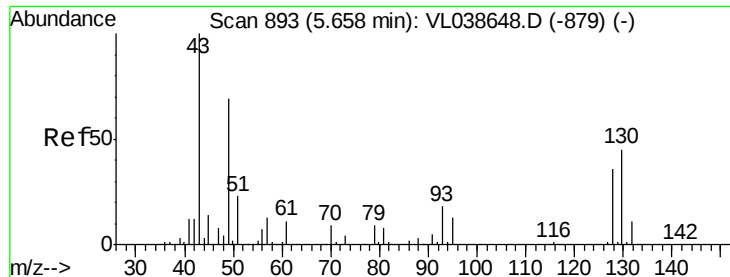
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038717.D
 Acq On : 23 Mar 2022 15:44
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 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: Mar 24 04:33:43 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)
44) 2,2,4-Trimethylpentane	7.85	57	2643106	9.814	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	743082	12.272	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	945398	11.546	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	664008	9.918	ppbv	99
48) Dibromochloromethane	10.28	129	1161119	11.072	ppbv	99
49) Bromoform	13.02	173	941190	11.011	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1576349	10.307	ppbv	99
51) 2-Hexanone	10.11	43	1206403	10.982	ppbv #	99
52) Tetrachloroethene	11.20	164	582226	9.919	ppbv	97
53) Toluene	9.79	91	1846327	10.712	ppbv	99
54) 1,2-Dibromoethane	10.59	107	980788	10.729	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	804611	8.197	ppbv	98
57) Chlorobenzene	12.13	112	1352643	7.921	ppbv	99
58) Ethyl Benzene	12.69	91	2365569	8.546	ppbv	100
59) m/p-Xylene	12.98	91	2413126	9.967	ppbv #	55
60) o-Xylene	13.67	91	1933384	8.410	ppbv	100
61) Styrene	13.51	104	1168636	9.374	ppbv	99
62) Isopropylbenzene	14.65	105	2811222	8.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1250817	7.024	ppbv	99
64) n-propylbenzene	15.54	120	748916	8.258	ppbv	98
65) tert-Butylbenzene	16.72	119	2491066	8.021	ppbv	98
66) Benzyl Chloride	16.97	91	598258	10.174	ppbv	99
67) sec-Butylbenzene	17.28	105	3577148	8.054	ppbv	100
69) p-Isopropyltoluene	17.63	119	2989394	8.247	ppbv	99
70) n-Butylbenzene	18.53	91	3122720	8.353	ppbv	100
71) 2-Chlorotoluene	15.43	91	2093668	8.162	ppbv	100
72) 4-Ethyltoluene	15.82	105	2295927	8.460	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	2058015	8.322	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2177778	8.085	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	1354087	7.893	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1318216	7.726	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	1322298	7.780	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1200722	7.644	ppbv	100
79) Naphthalene	22.17	128	2215093	10.764	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	506820	9.185	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1266460	8.990	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

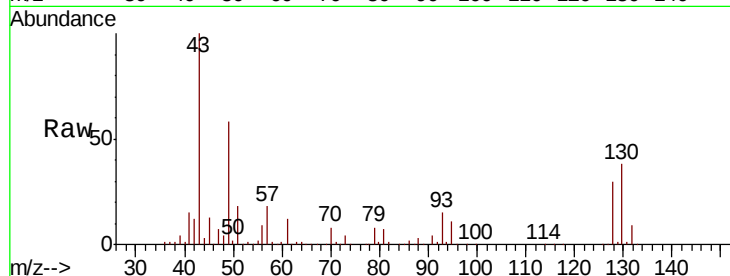
Tot Ion: 49 Resp: 780742

Ion Ratio Lower Upper

49 100

128 53.5 26.2 78.6

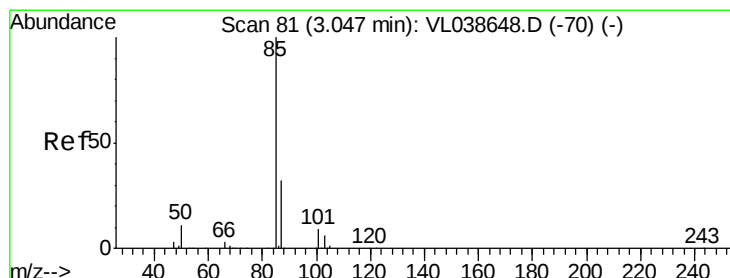
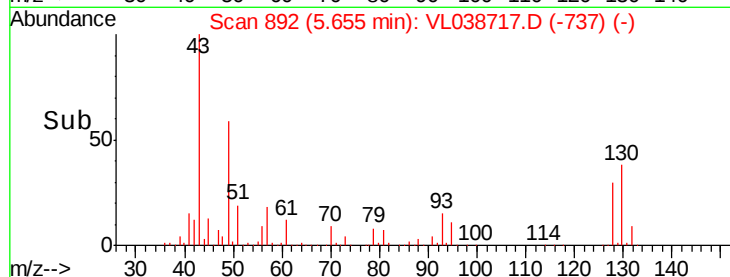
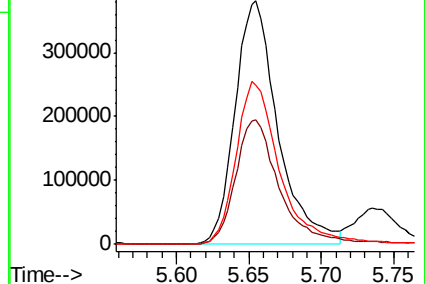
130 68.6 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.421 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038717.D

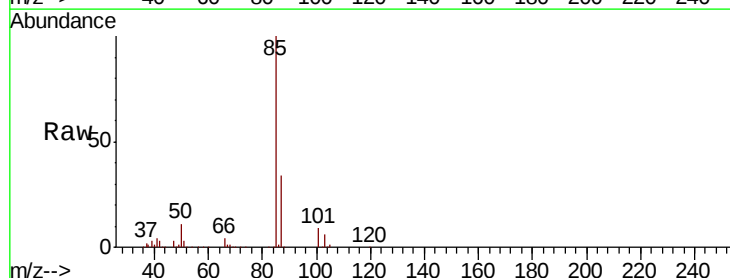
Acq: 23 Mar 2022 15:44

Tgt Ion: 85 Resp: 883862

Ion Ratio Lower Upper

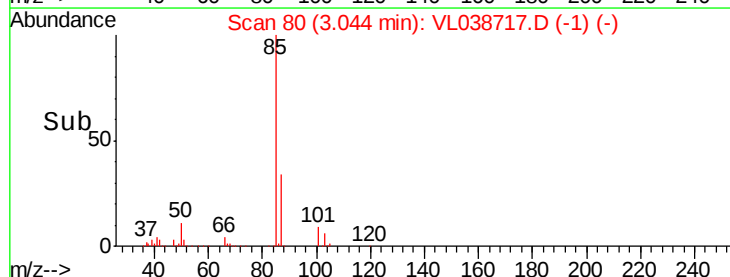
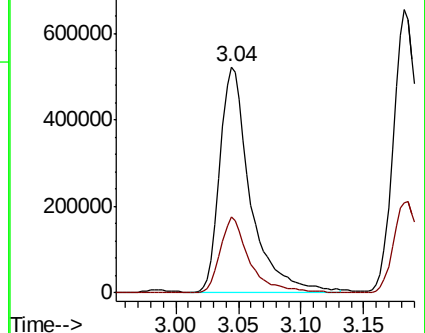
85 100

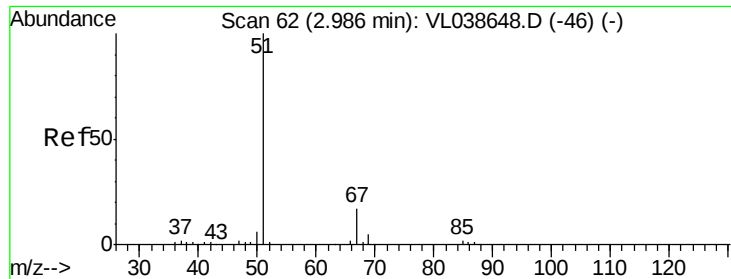
87 33.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

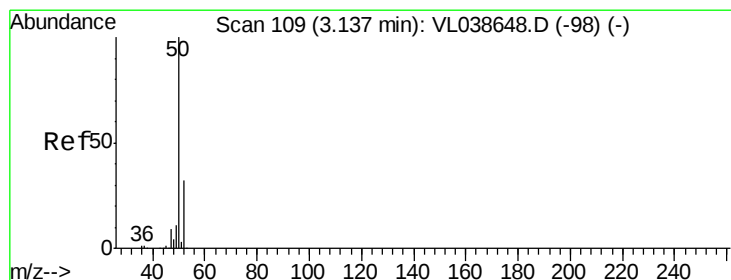
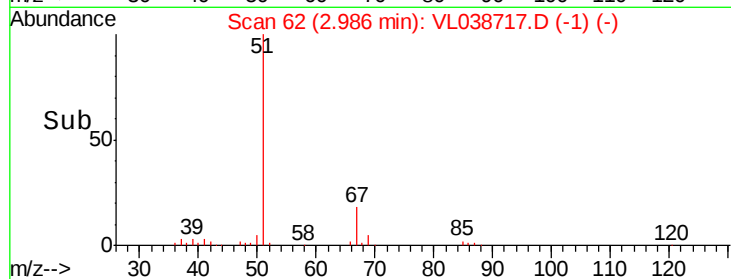
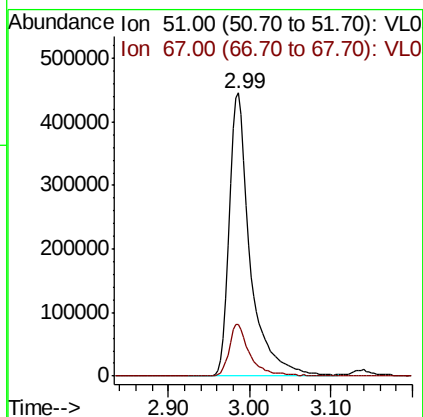
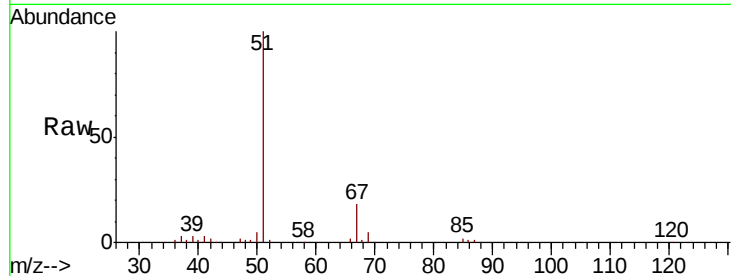
Ion 87.00 (86.70 to 87.70): VL0





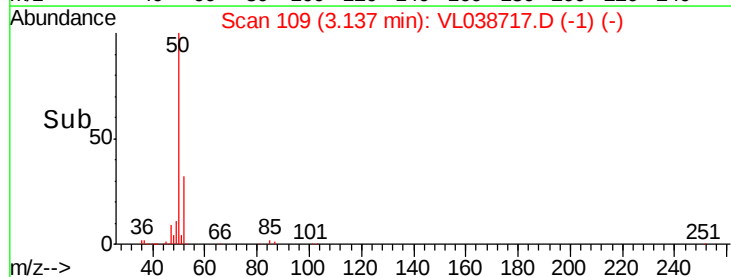
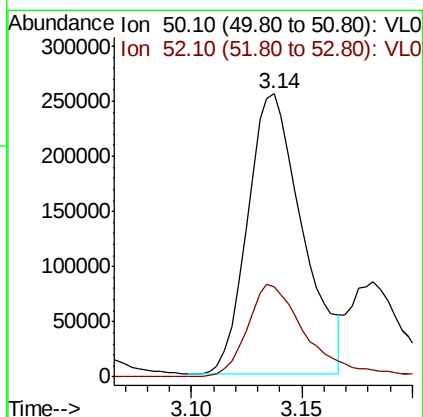
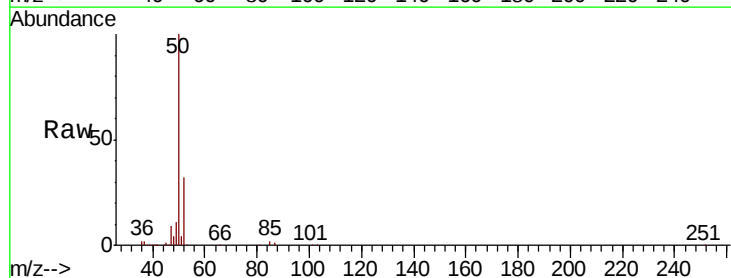
#3
 Chlorodifluoromethane
 Concen: 9.789 ppbv
 RT: 2.99 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 15:44

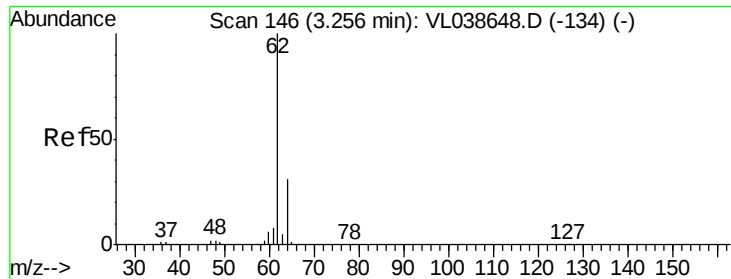
Tot Ion: 51 Resp: 807190
 Ion Ratio Lower Upper
 51 100
 67 18.3 14.1 21.1



#4
 Chloromethane
 Concen: 9.674 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion: 50 Resp: 437956
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.5 38.3





#5

Vinyl Chloride

Concen: 9.959 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

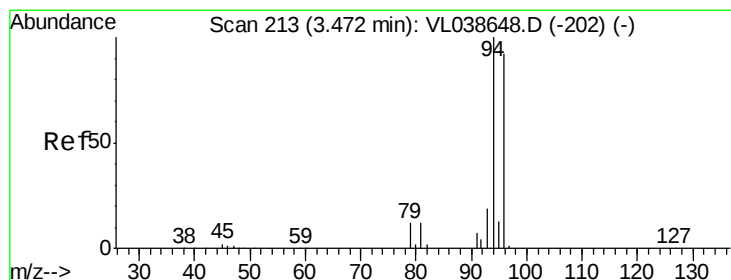
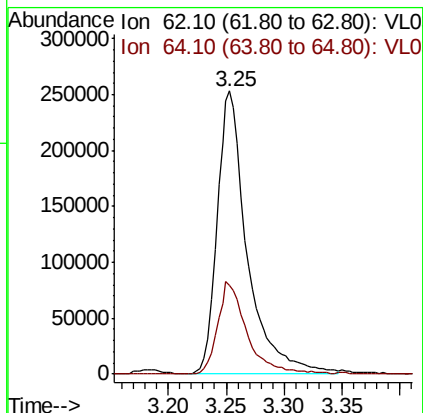
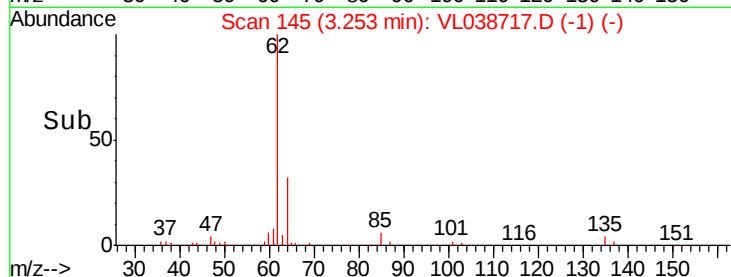
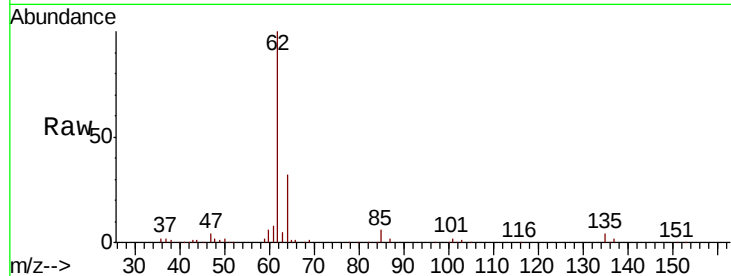
Acq: 23 Mar 2022 15:44

Tot Ion: 62 Resp: 458114

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4



#6

Bromomethane

Concen: 10.774 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL038717.D

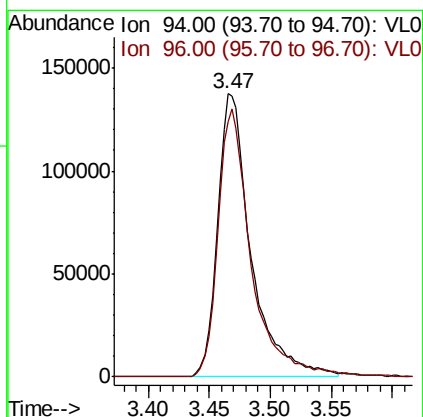
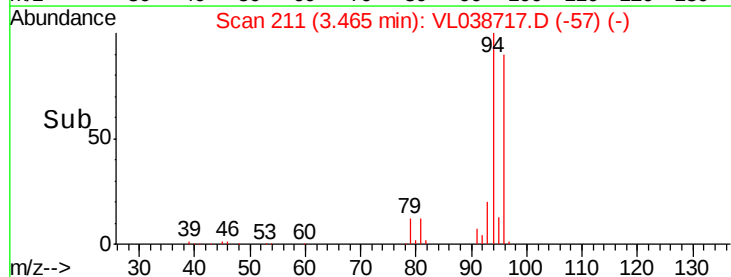
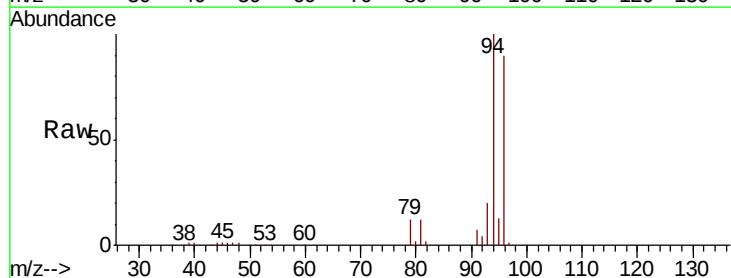
Acq: 23 Mar 2022 15:44

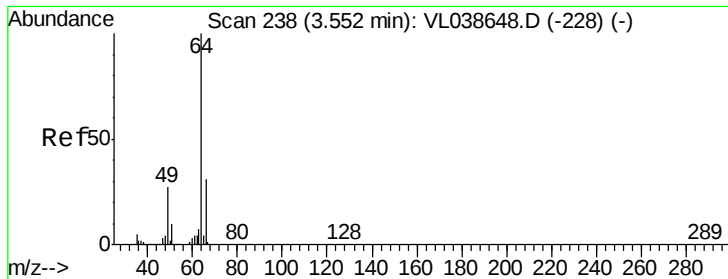
Tgt Ion: 94 Resp: 264220

Ion Ratio Lower Upper

94 100

96 90.2 73.3 109.9





#7

Chloroethane

Concen: 10.308 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

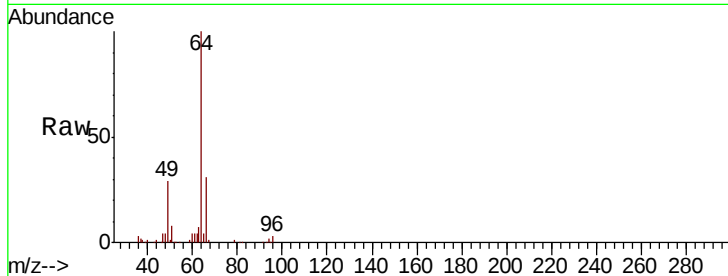
Acq: 23 Mar 2022 15:44

Tot Ion: 64 Resp: 156972

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

80000

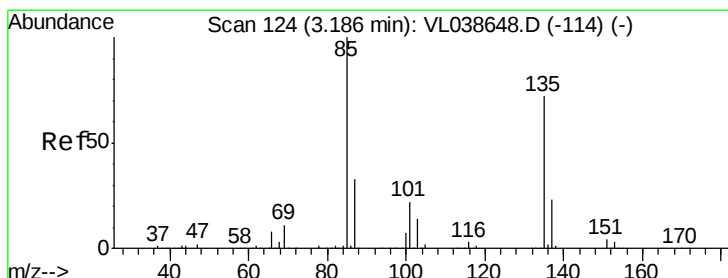
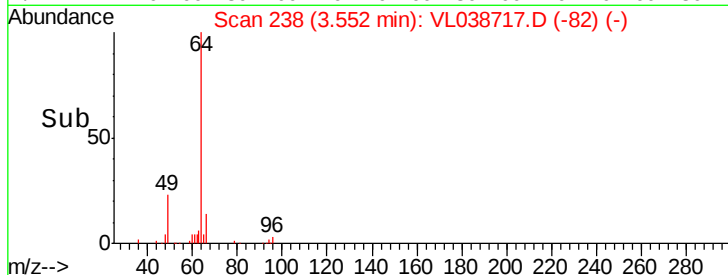
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.253 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL038717.D

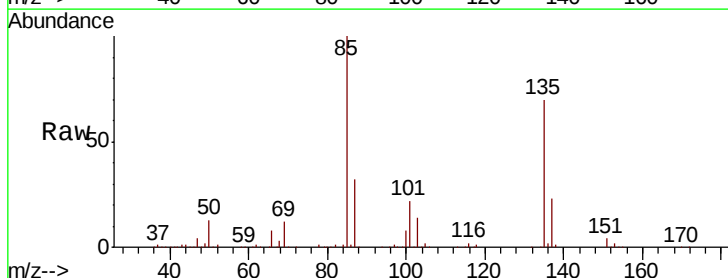
Acq: 23 Mar 2022 15:44

Tgt Ion: 85 Resp: 1074405

Ion Ratio Lower Upper

85 100

135 73.6 57.8 86.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

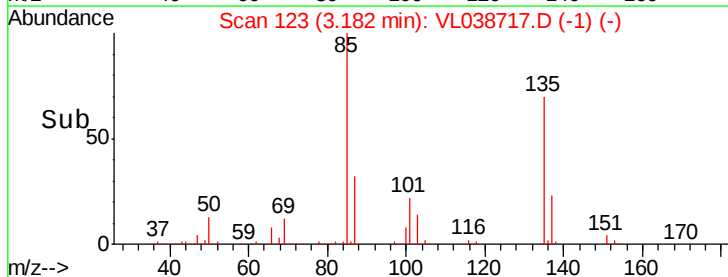
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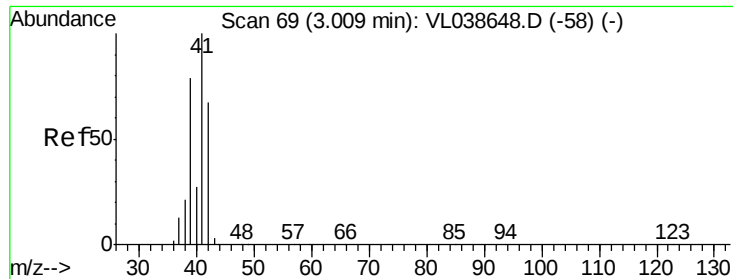
400000

200000

0

Time-->





#9

Propene

Concen: 9.126 ppbv

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

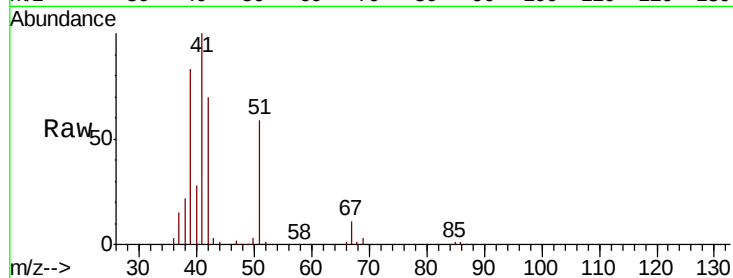
Acq: 23 Mar 2022 15:44

Tot Ion: 41 Resp: 363299

Ion Ratio Lower Upper

41 100

42 71.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

250000

200000

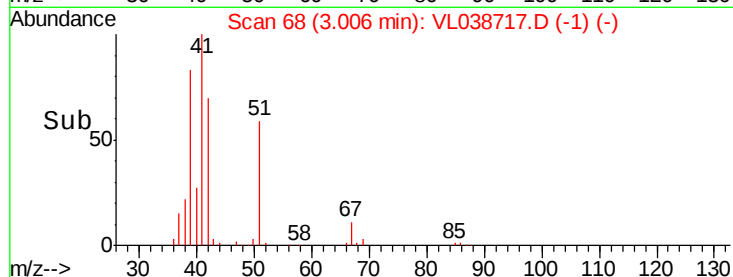
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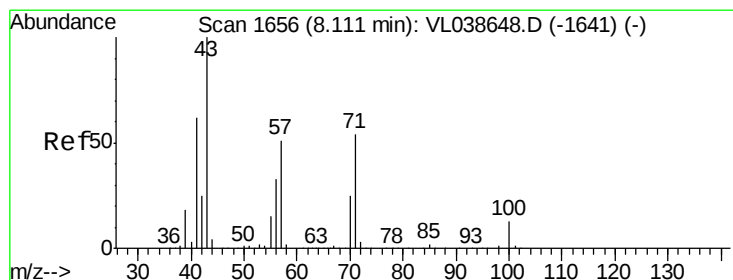
50000

0

Time-->



Time-->



#10

Heptane

Concen: 10.114 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL038717.D

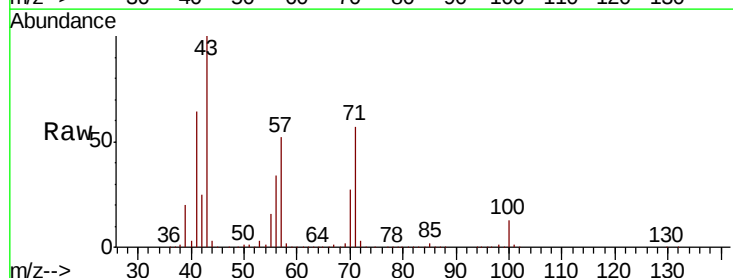
Acq: 23 Mar 2022 15:44

Tgt Ion: 43 Resp: 962445

Ion Ratio Lower Upper

43 100

57 52.6 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

500000

400000

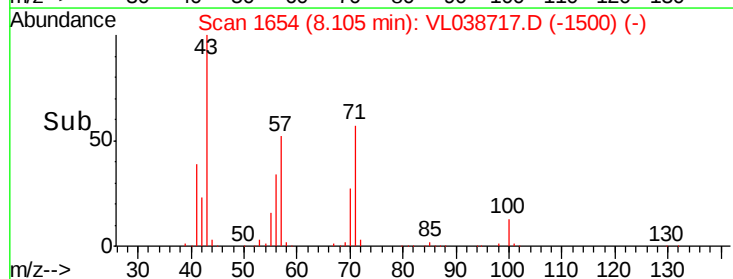
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200000

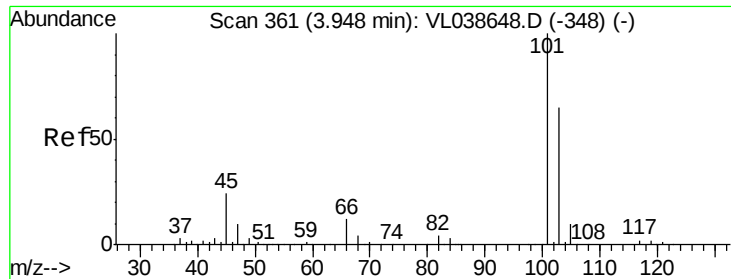
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0

Time-->

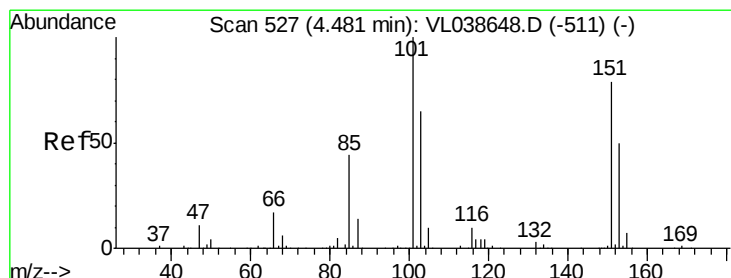
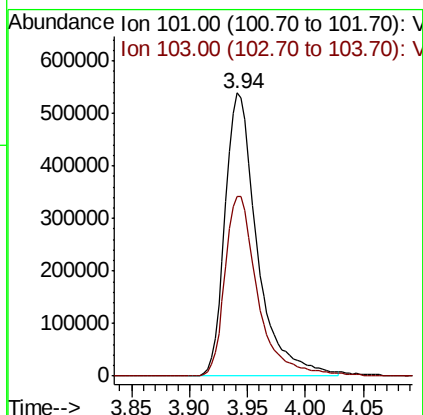
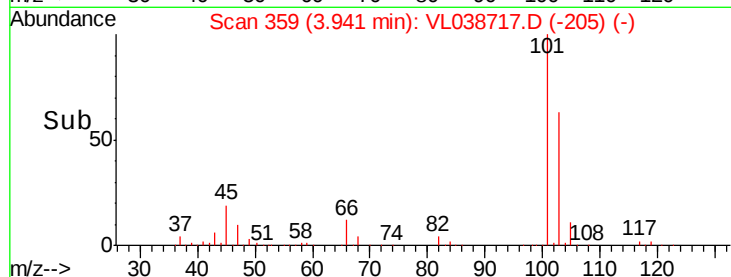
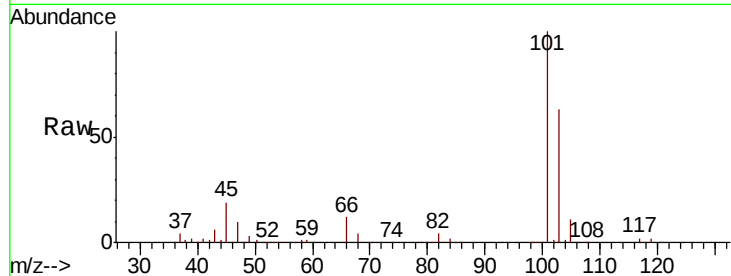


Time-->



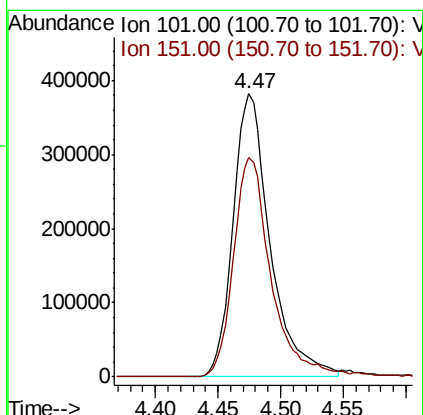
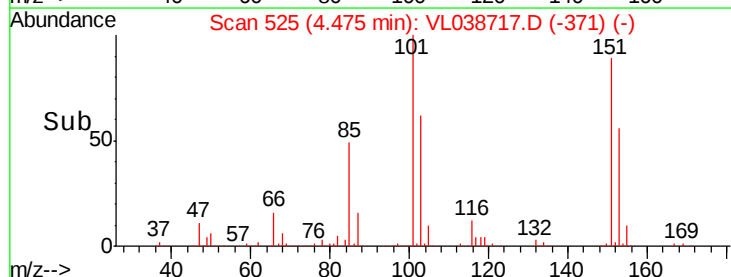
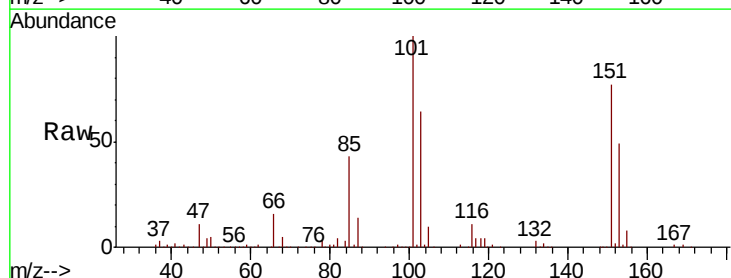
#11
 Trichlorofluoromethane
 Concen: 11.183 ppbv
 RT: 3.94 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

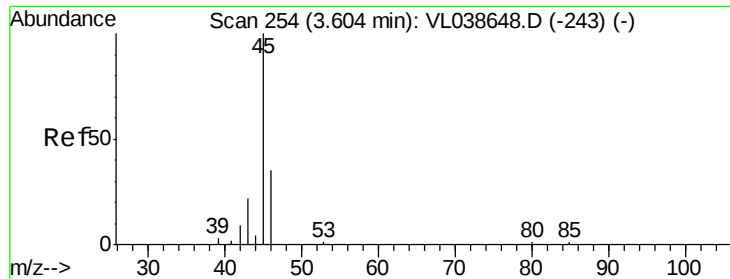
Tot Ion:101 Resp: 1035886
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.015 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T.: -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

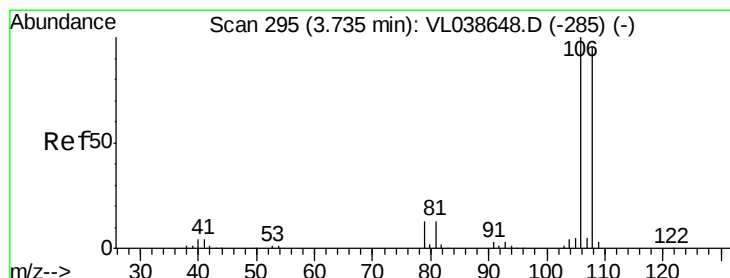
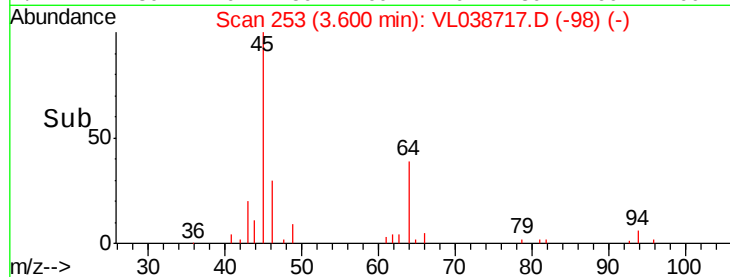
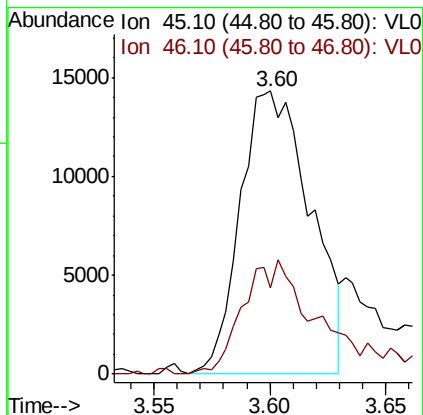
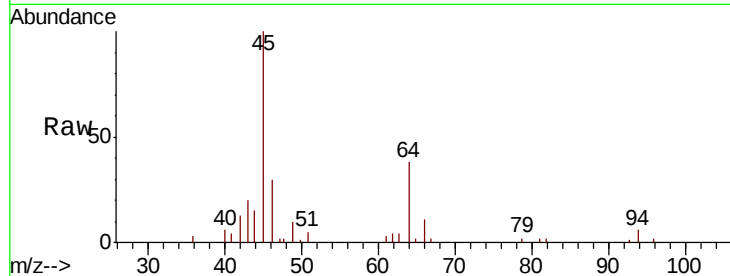
Tgt Ion:101 Resp: 785437
 Ion Ratio Lower Upper
 101 100
 151 79.2 62.9 94.3





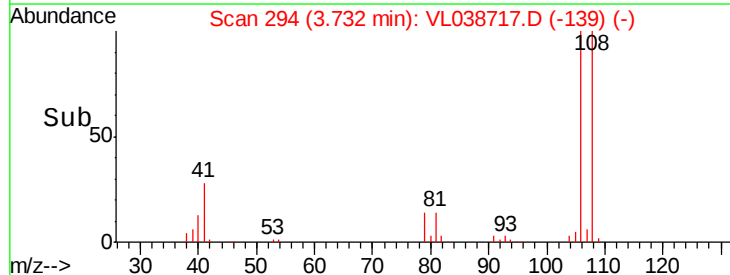
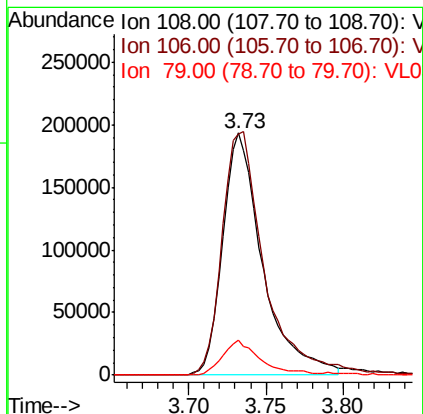
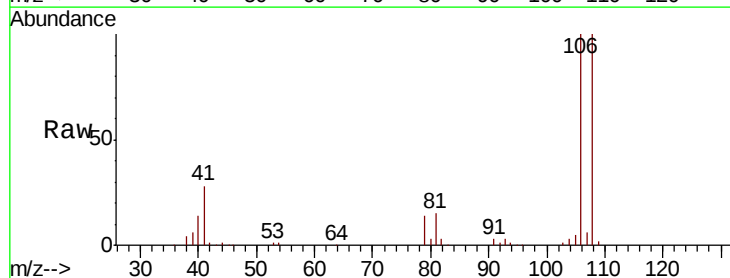
#13
Ethanol
Concen: 6.887 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 23 Mar 2022 15:44

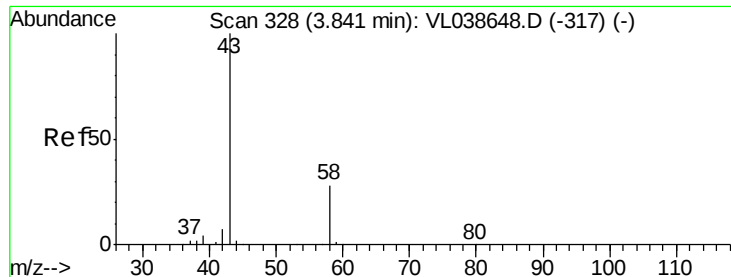
Tot Ion: 45 Resp: 30245
Ion Ratio Lower Upper
45 100
46 50.2 15.1 60.5



#14
Bromoethene
Concen: 10.914 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

Tgt Ion: 108 Resp: 345871
Ion Ratio Lower Upper
108 100
106 108.1 88.3 132.5
79 14.7 11.2 16.8





#15

Acetone

Concen: 10.294 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File:

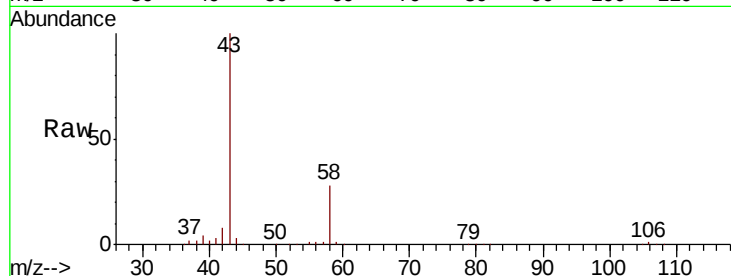
Acq: 23 Mar 2022 15:44

Tot Ion: 43 Resp: 693478

Ion Ratio Lower Upper

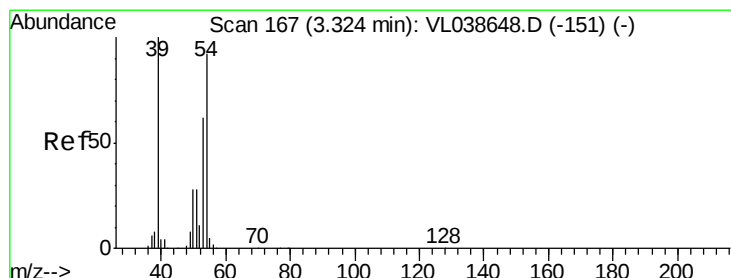
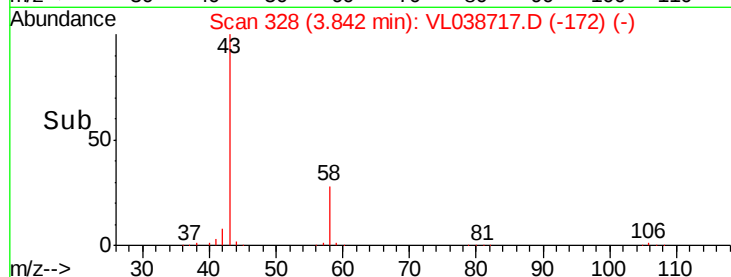
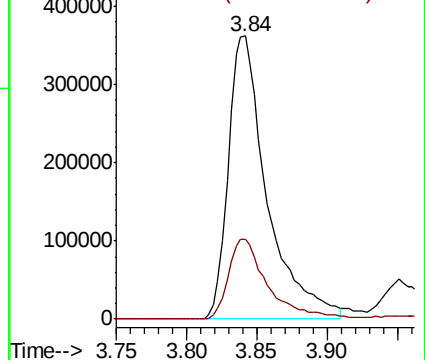
43 100

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: 10.612 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL038717.D

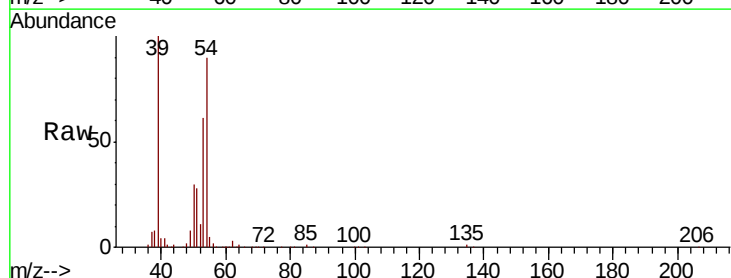
Acq: 23 Mar 2022 15:44

Tgt Ion: 39 Resp: 405720

Ion Ratio Lower Upper

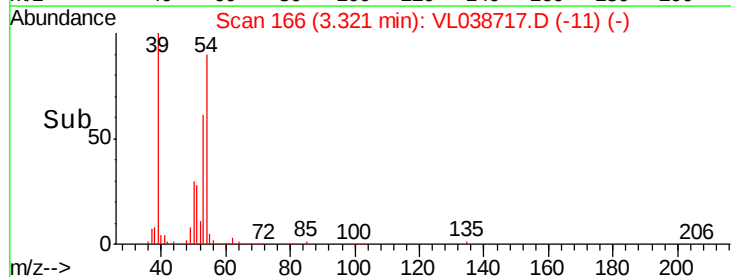
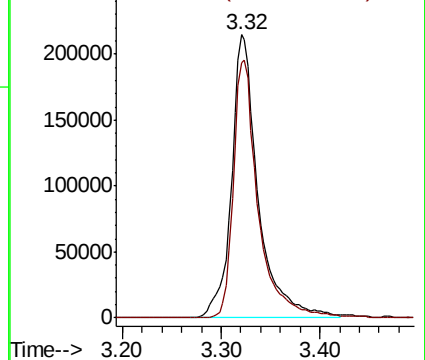
39 100

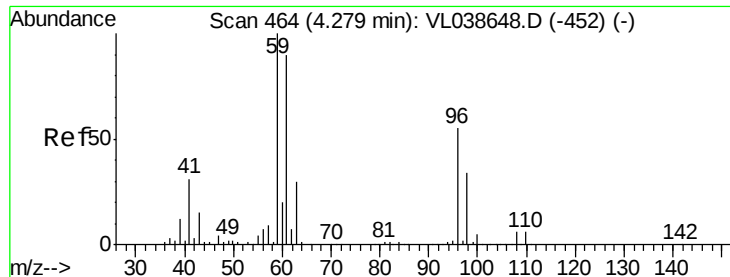
54 85.5 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.312 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

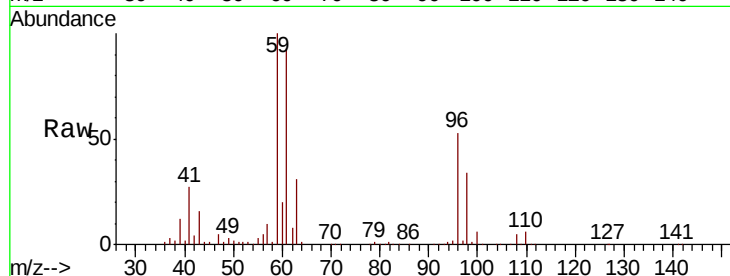
Acq: 23 Mar 2022 15:44

Tot Ion: 59 Resp: 724368

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

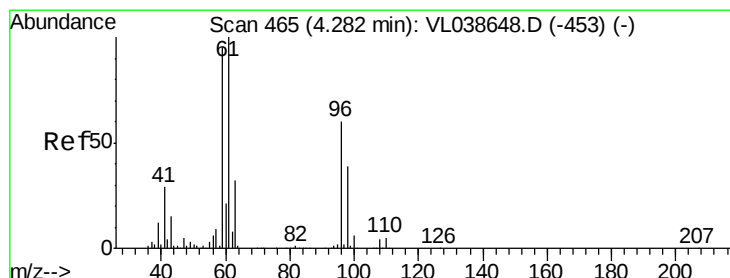
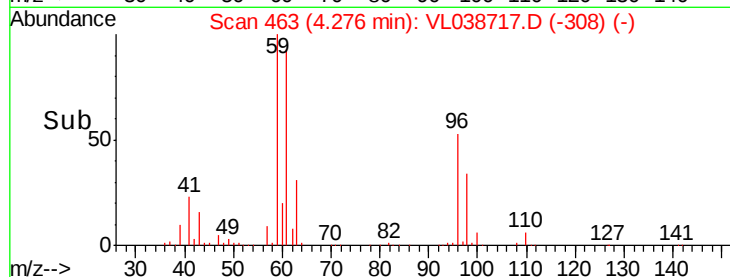
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.169 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

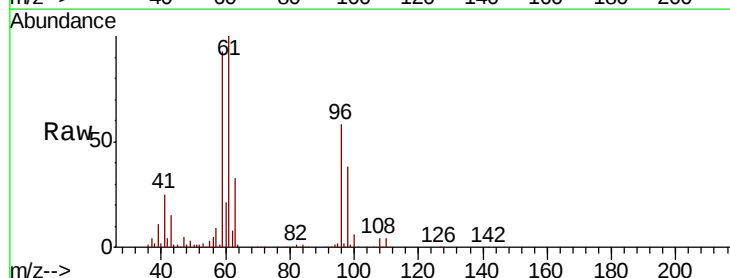
Tgt Ion: 96 Resp: 357804

Ion Ratio Lower Upper

96 100

61 172.6 132.4 198.6

98 65.7 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

400000

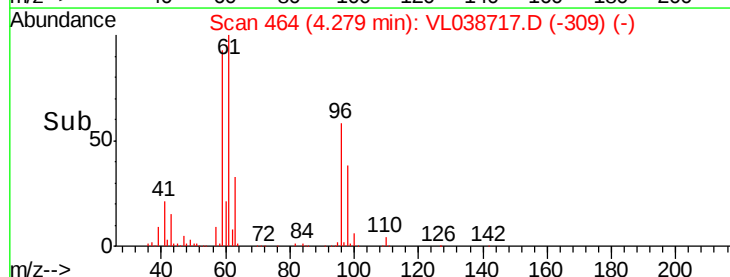
300000

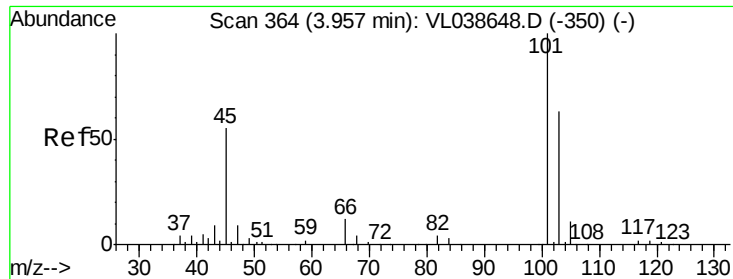
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.023 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

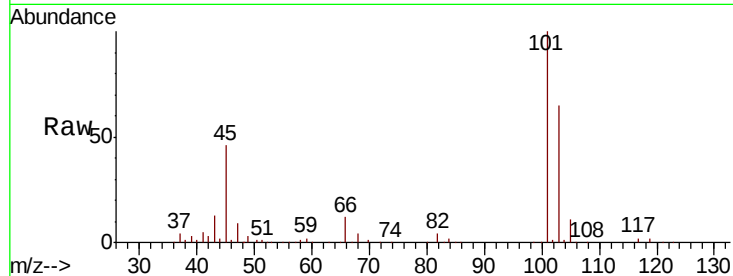
Acq: 23 Mar 2022 15:44

Tot Ion: 45 Resp: 411713

Ion Ratio Lower Upper

45 100

58 2.6 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

200000

150000

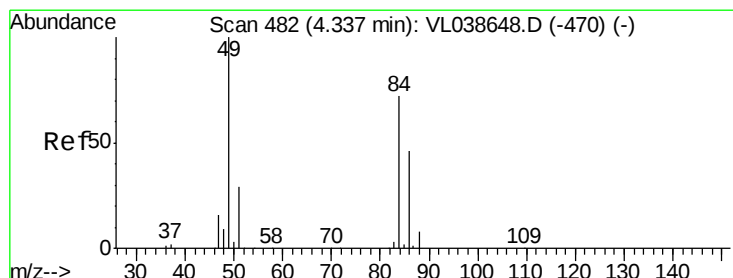
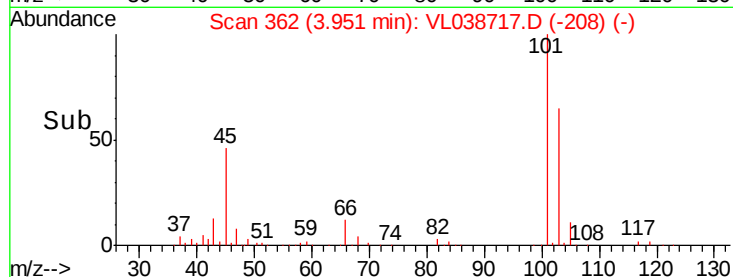
100000

50000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 10.192 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

Tgt Ion: 84 Resp: 289196

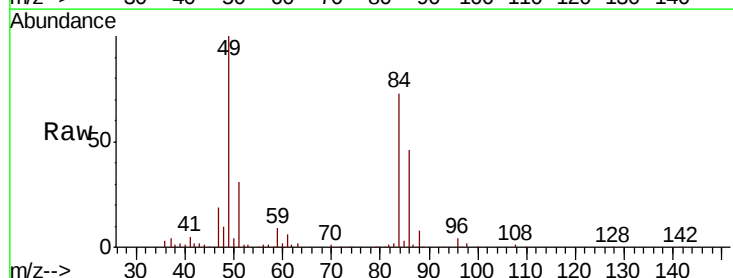
Ion Ratio Lower Upper

84 100

49 136.2 111.2 166.8

51 40.9 32.8 49.2

86 62.5 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

4.34

300000

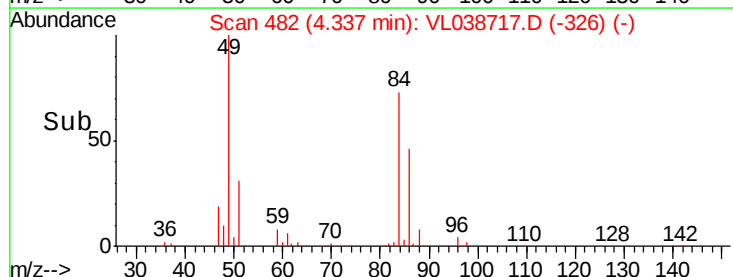
200000

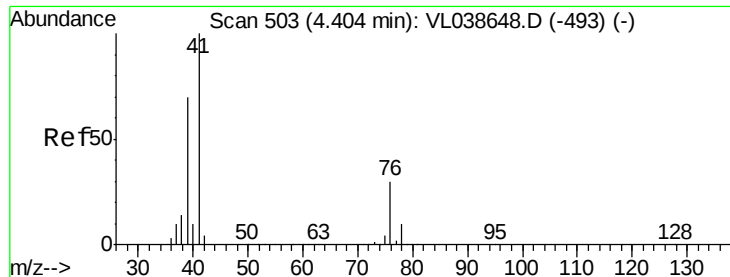
100000

0

4.25 4.30 4.35 4.40

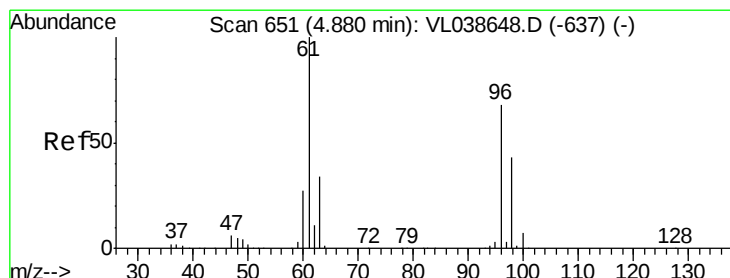
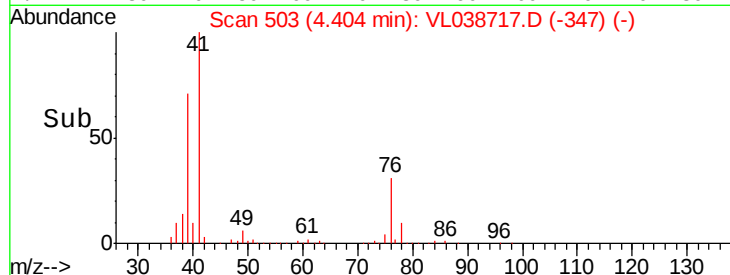
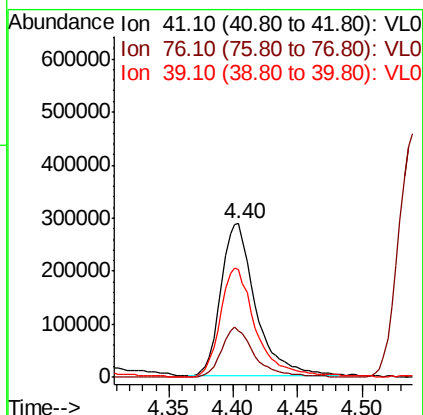
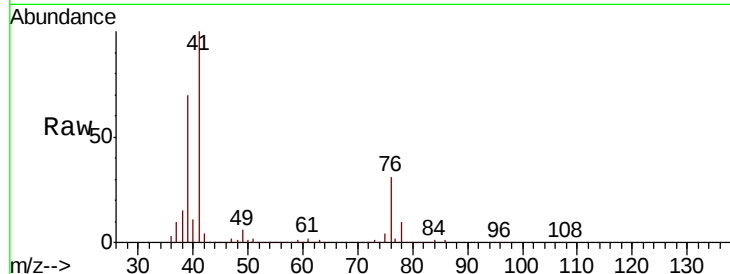
Time-->





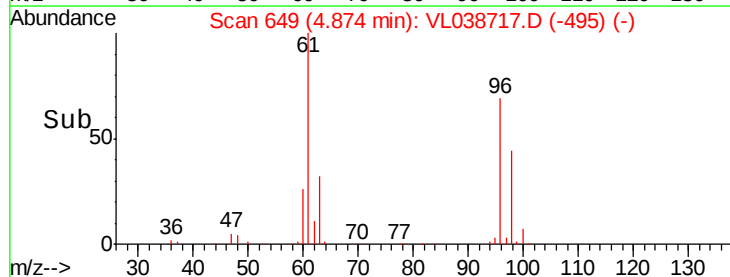
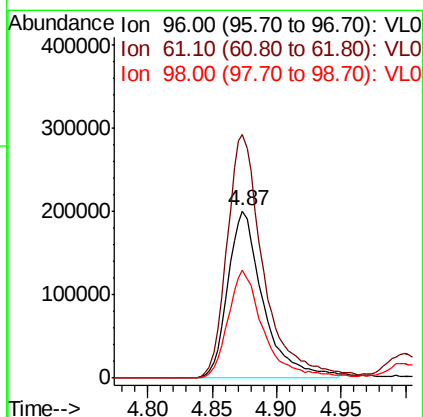
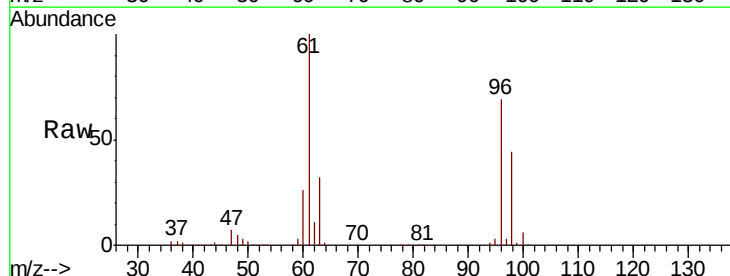
#21
Allvl Chloride
Concen: 10.936 ppbv
RT: 4.40
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Mar 2022 15:44

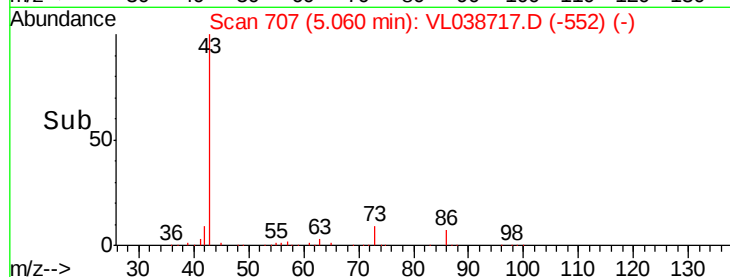
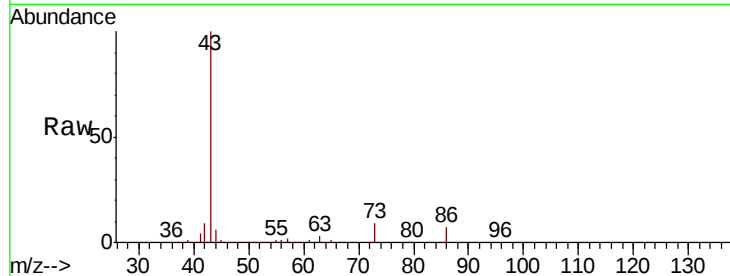
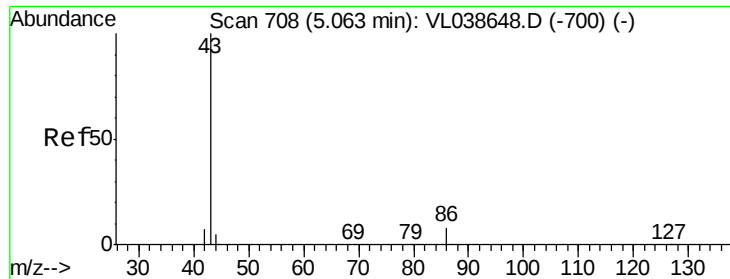
Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.0	37.6
39	73.7	56.6	85.0



#22
trans-1,2-Dichloroethene
Concen: 11.505 ppbv
RT: 4.87 min Scan# 649
Delta R.T.: -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

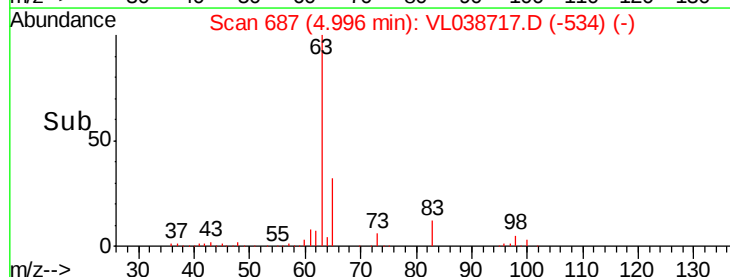
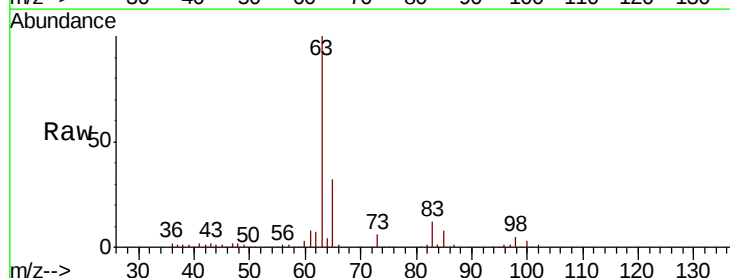
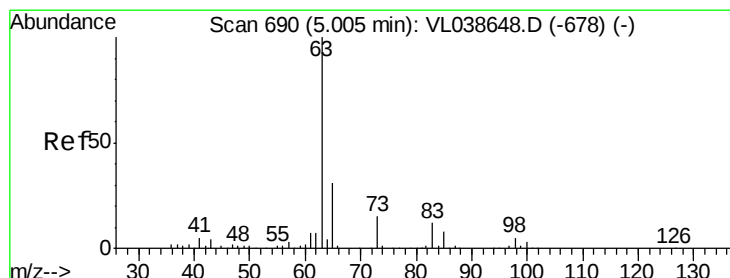
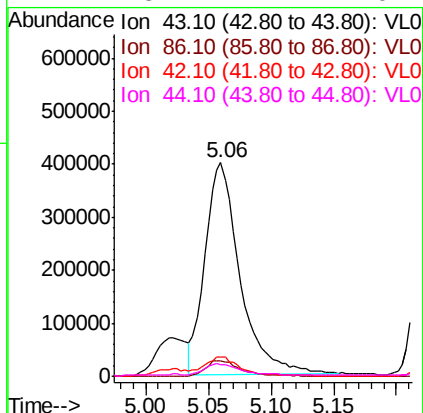
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	118.3	177.5
98	64.4	51.3	76.9





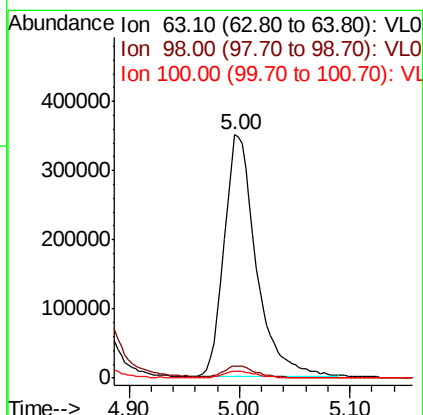
#23
 Vinyl Acetate
 Concen: 11.915 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

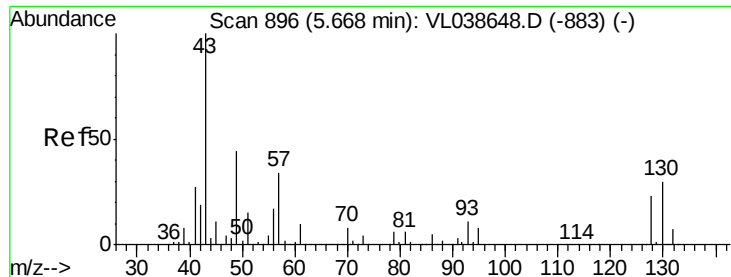
Tot Ion:	43	Resp:	777266
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	8.7	6.8	10.2
44	5.2	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 11.028 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

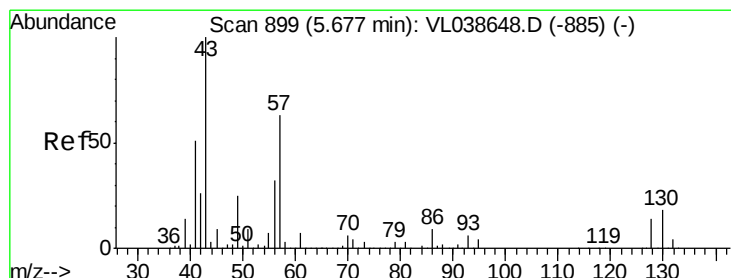
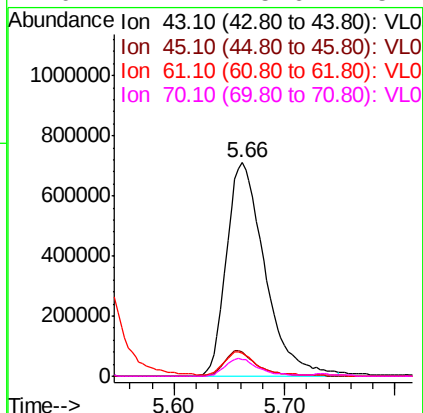
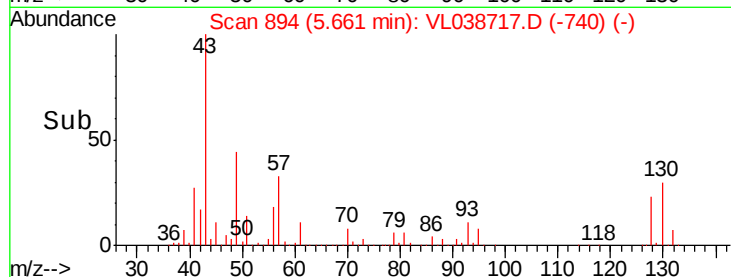
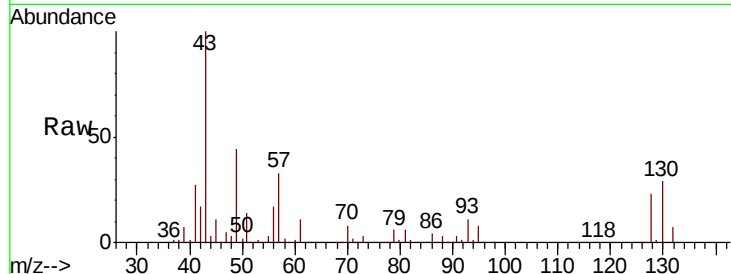
Tgt Ion:	63	Resp:	708488
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.5
100	2.8	1.4	4.2





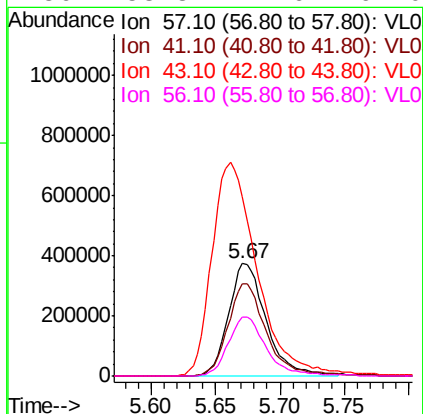
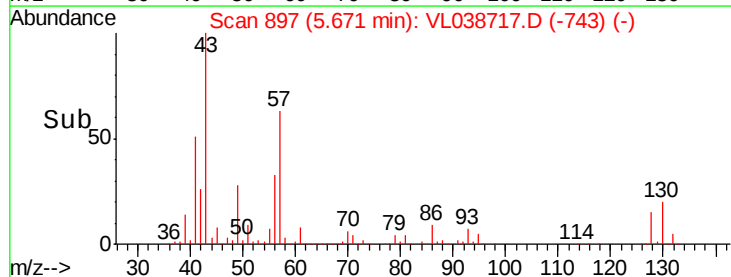
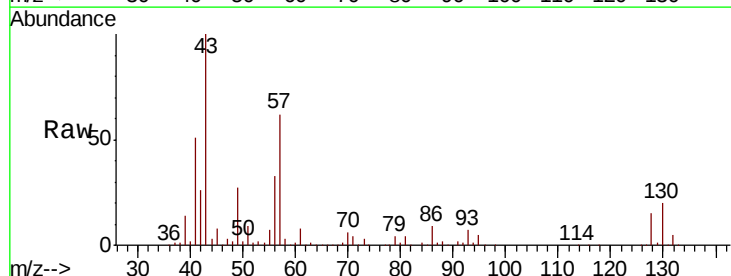
#25
Ethyl Acetate
Concen: 10.070 ppbv
RT: 5.66 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 15:44

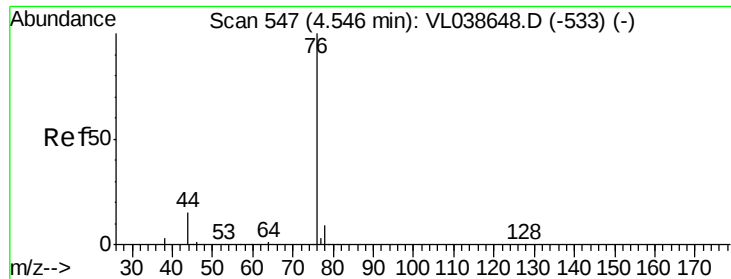
Tot Ion:	43	Resp:	1707715
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	10.6	8.3	12.5
70	7.2	5.6	8.4



#26
Hexane
Concen: 9.980 ppbv
RT: 5.67 min Scan# 897
Delta R.T.: -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

Tgt Ion:	57	Resp:	757700
Ion	Ratio	Lower	Upper
57	100		
41	84.9	67.0	100.4
43	228.5	184.2	276.2
56	53.8	42.6	64.0





#27

Carbon Disulfide

Concen: 12.442 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

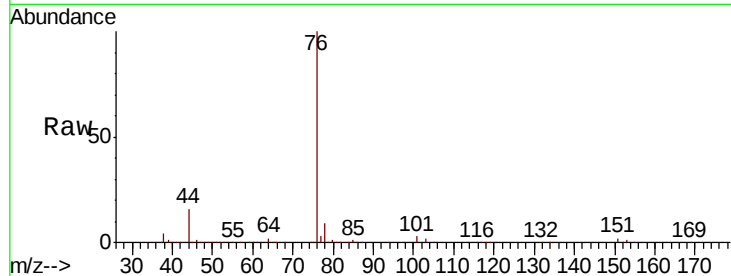
Tot Ion: 76 Resp: 926651

Ion Ratio Lower Upper

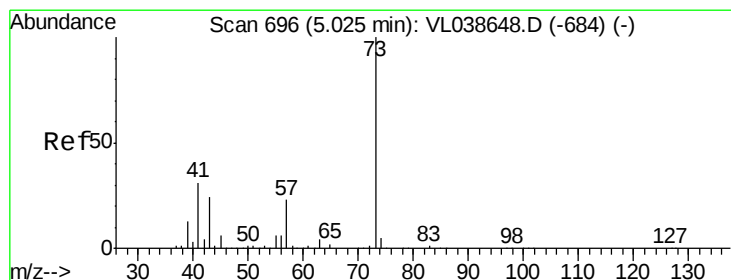
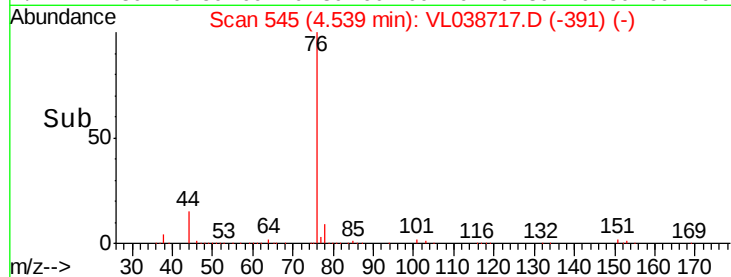
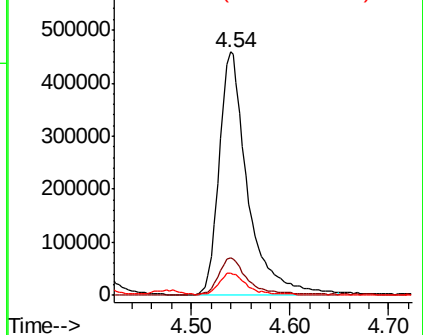
76 100

44 15.3 12.4 18.6

78 9.5 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: 11.703 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL038717.D

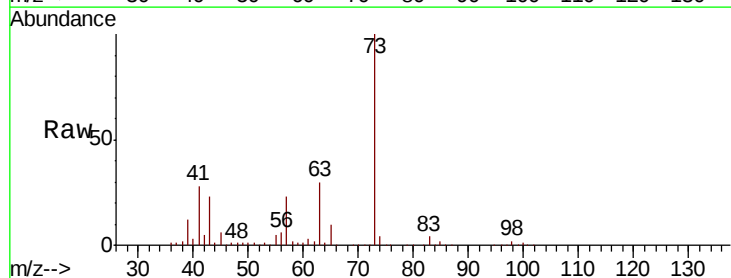
Acq: 23 Mar 2022 15:44

Tgt Ion: 73 Resp: 661874

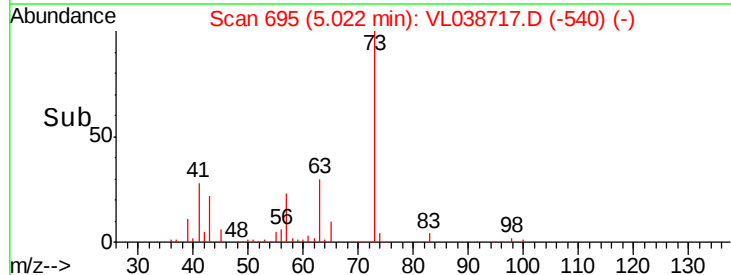
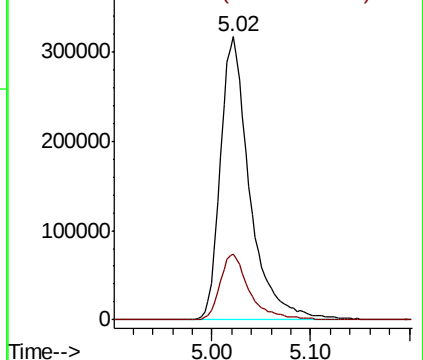
Ion Ratio Lower Upper

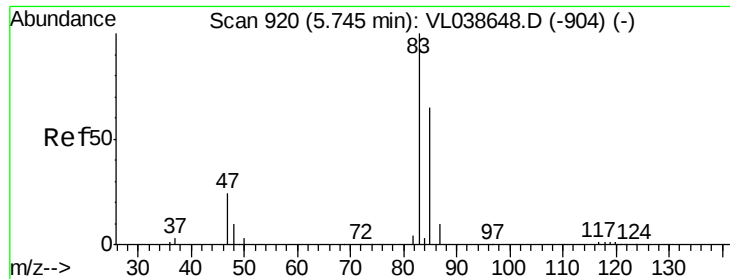
73 100

57 23.4 19.2 28.8



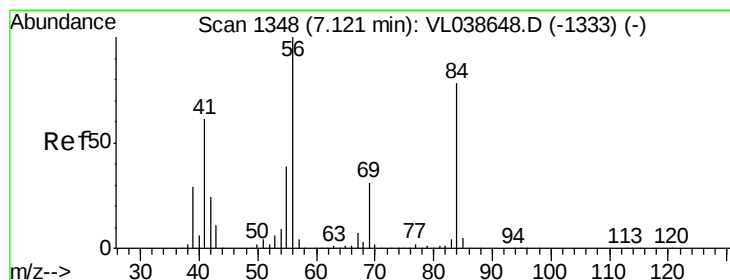
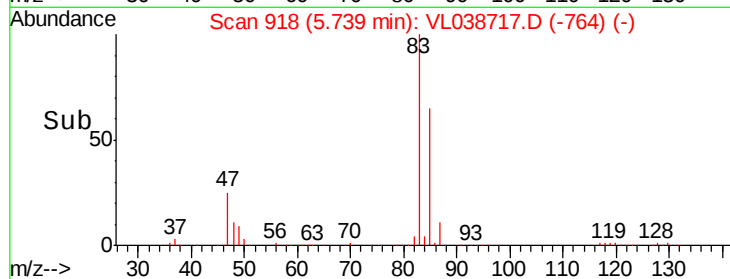
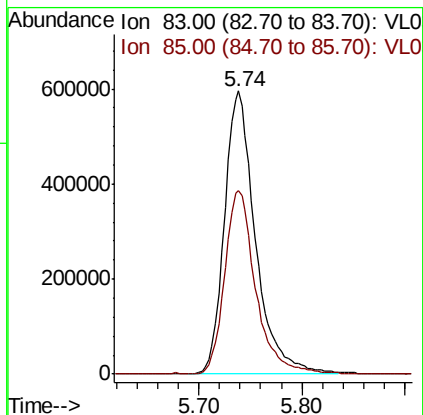
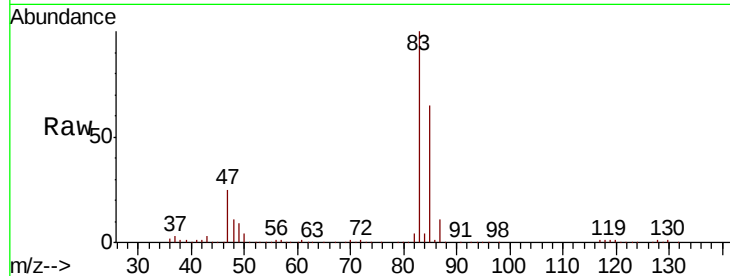
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





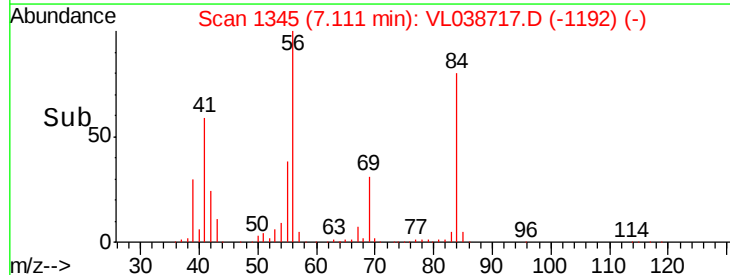
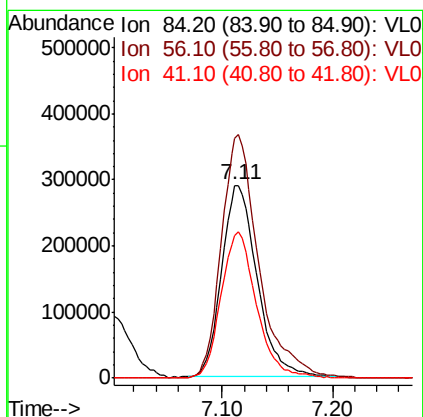
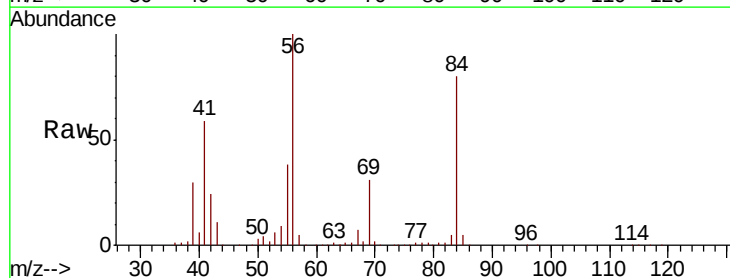
#29
Chloroform
Concen: 10.263 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 15:44

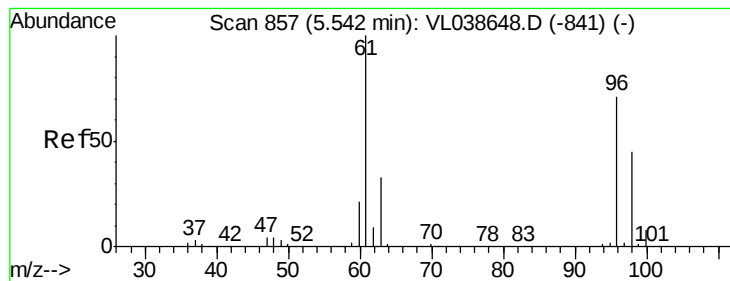
Tot Ion: 83 Resp: 1247631
Ion Ratio Lower Upper
83 100
85 64.5 51.7 77.5



#30
Cyclohexane
Concen: 9.792 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

Tgt Ion: 84 Resp: 646420
Ion Ratio Lower Upper
84 100
56 134.7 108.2 162.4
41 76.8 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 10.616 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

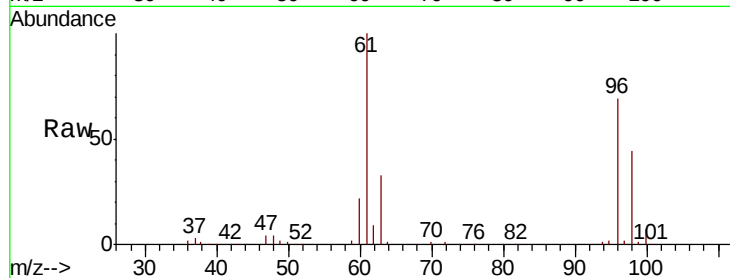
Tot Ion: 61 Resp: 757853

Ion Ratio Lower Upper

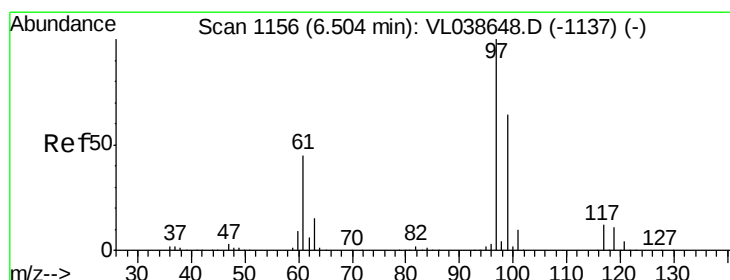
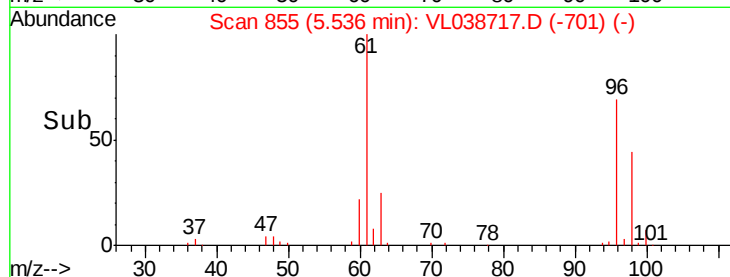
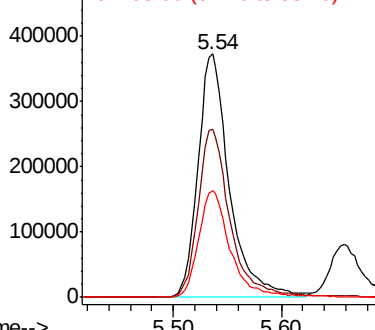
61 100

96 69.0 56.6 84.8

98 43.7 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: 10.604 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

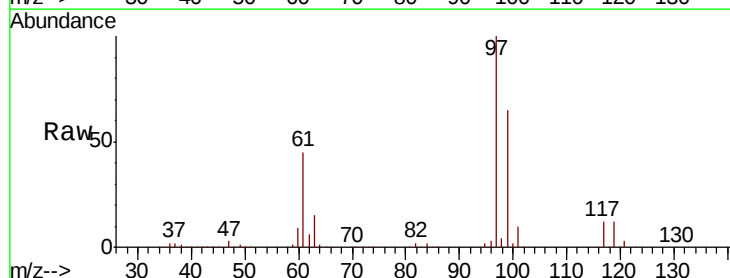
Tgt Ion: 97 Resp: 1244071

Ion Ratio Lower Upper

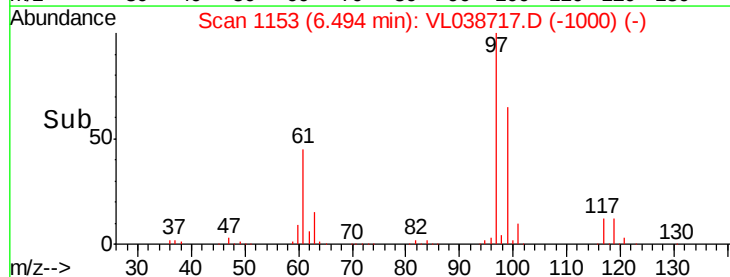
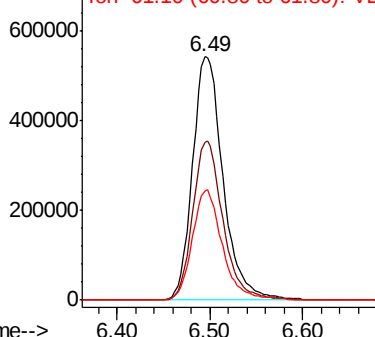
97 100

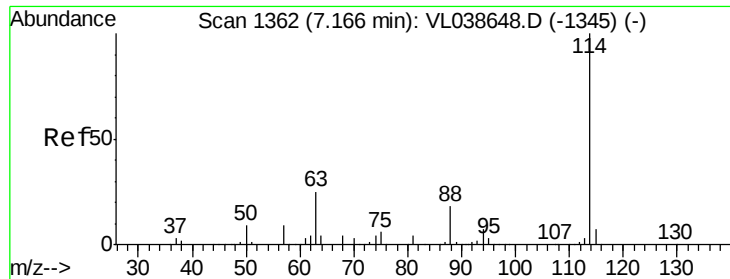
99 64.6 51.8 77.8

61 44.6 36.7 55.1



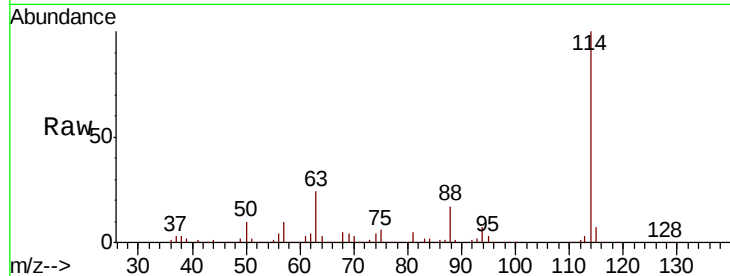
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



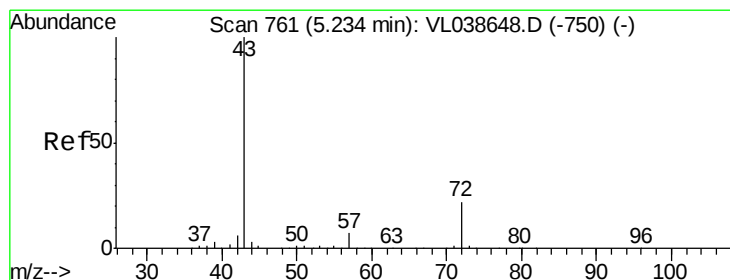
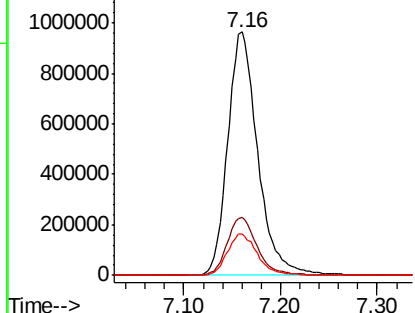
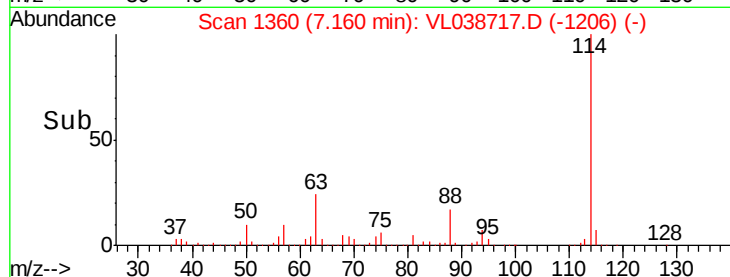


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

Tot Ion: 114 Resp: 2078410
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.4 29.0
 88 17.1 13.9 20.9

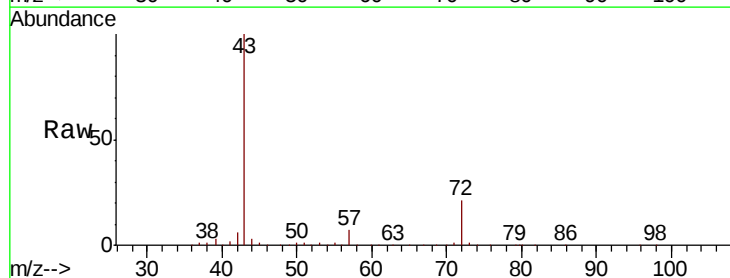


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

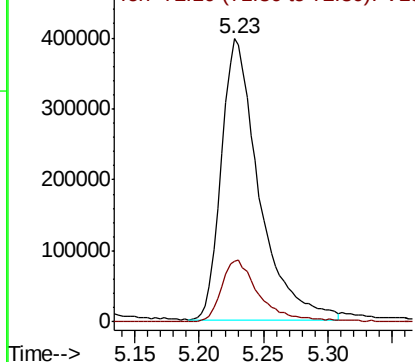
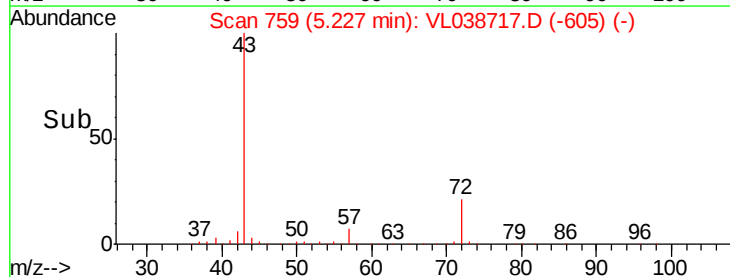


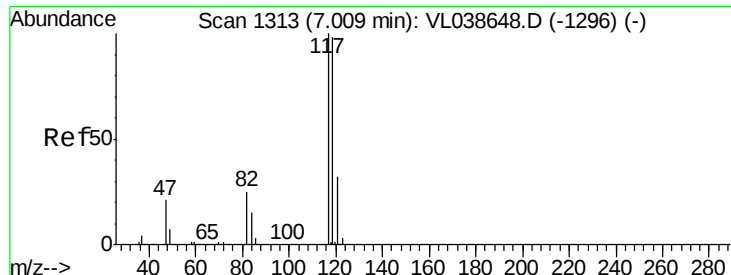
#34
 2-Butanone
 Concen: 9.771 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion: 43 Resp: 803766
 Ion Ratio Lower Upper
 43 100
 72 23.1 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: 10.799 ppbv

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

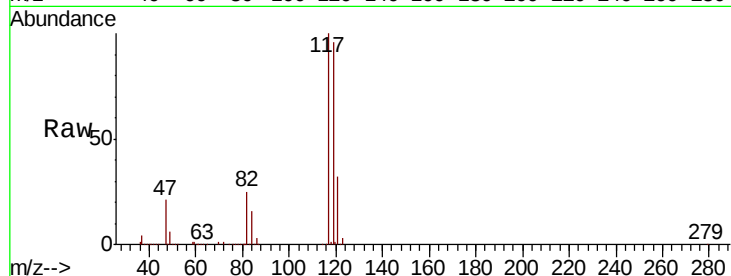
Tot Ion:117 Resp: 1302290

Ion Ratio Lower Upper

117 100

119 95.6 78.1 117.1

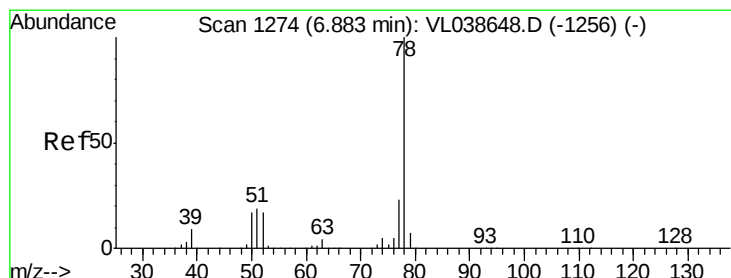
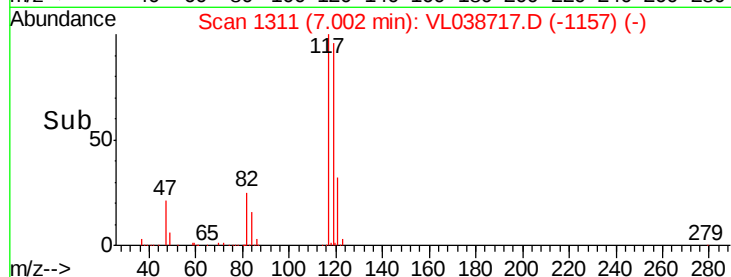
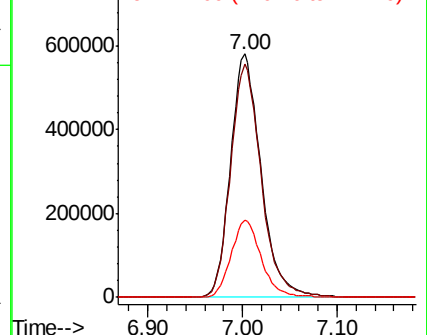
121 31.7 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.123 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

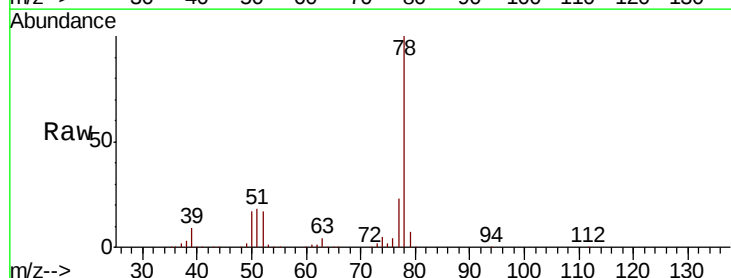
Tgt Ion: 78 Resp: 1623895

Ion Ratio Lower Upper

78 100

77 22.5 18.1 27.1

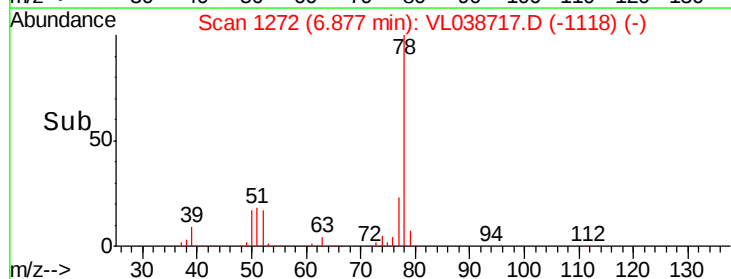
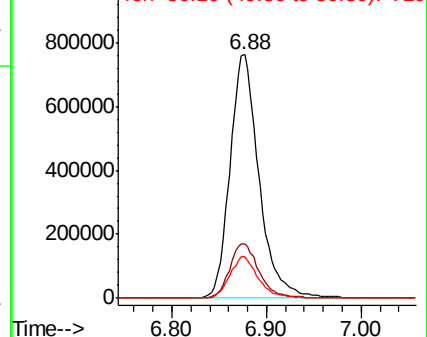
50 16.9 13.6 20.4

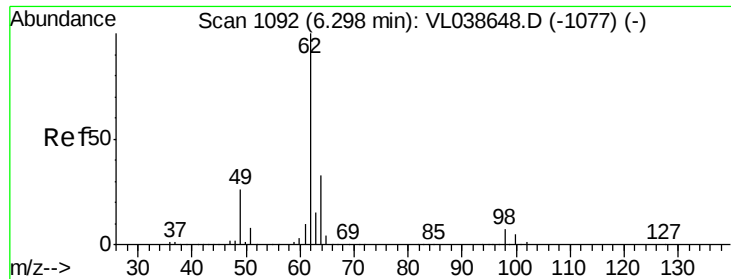


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

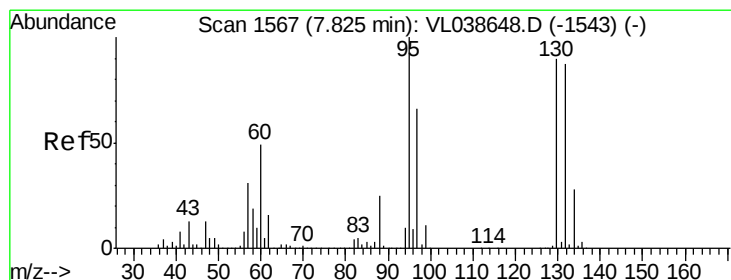
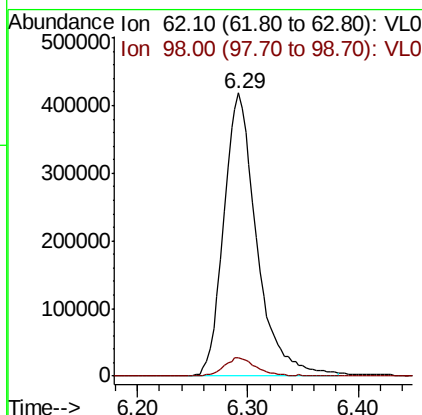
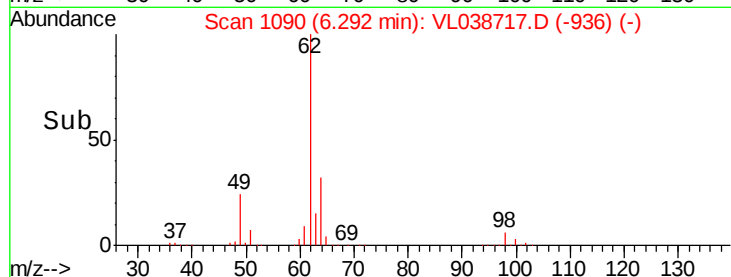
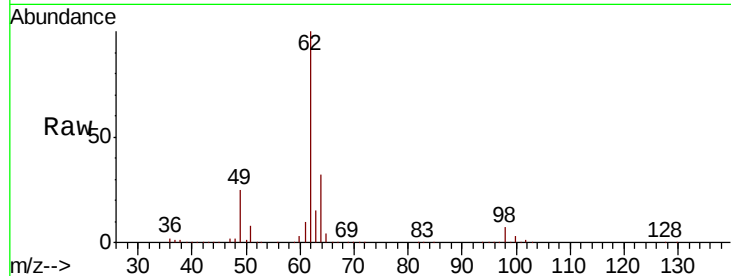
Ion 50.10 (49.80 to 50.80): VL0





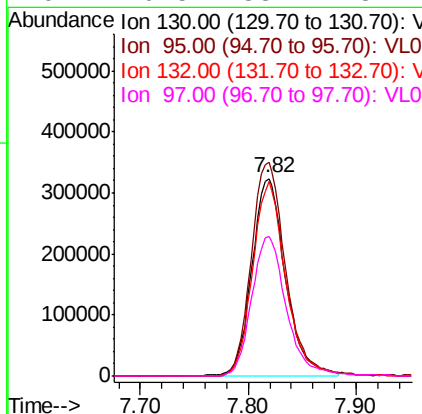
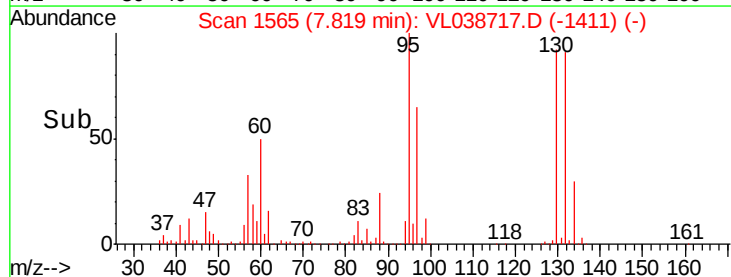
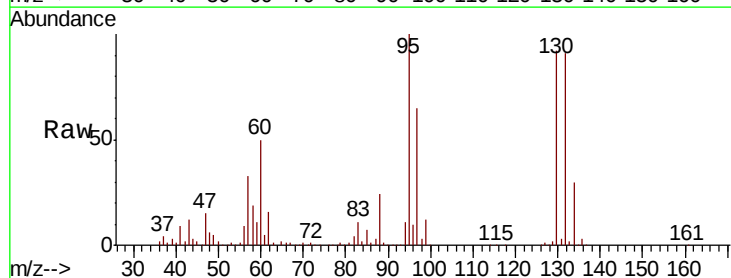
#37
 1,2-Dichloroethane
 Concen: 10.617 ppbv
 RT: 6.29 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 15:44

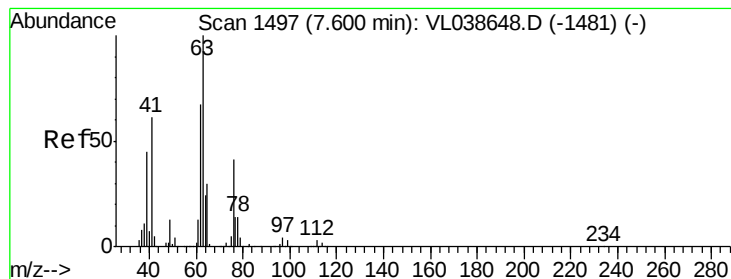
Tot Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.6	8.4



#38
 Trichloroethene
 Concen: 10.429 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.2	88.9	133.3
132	98.7	77.4	116.0
97	70.5	58.2	87.4





#39

1,2-Dichloropropane

Concen: 9.795 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

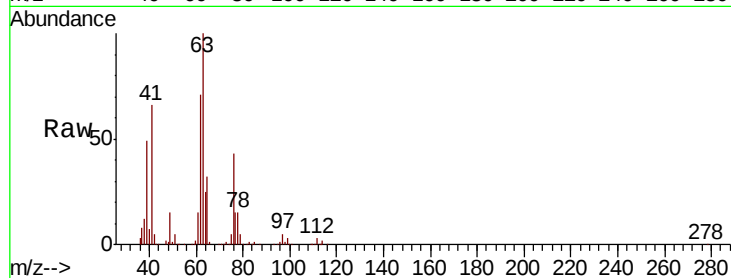
Tot Ion: 63 Resp: 614219

Ion Ratio Lower Upper

63 100

41 65.9 49.0 73.6

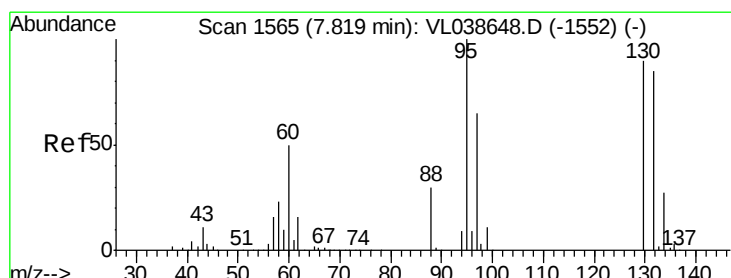
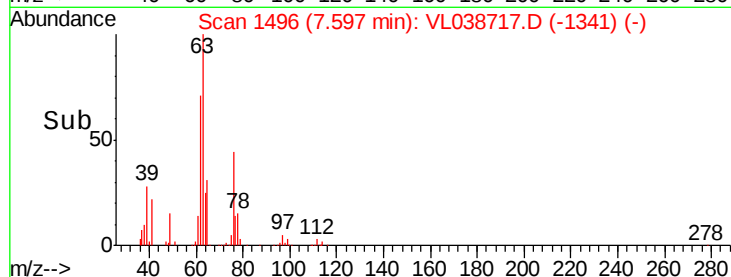
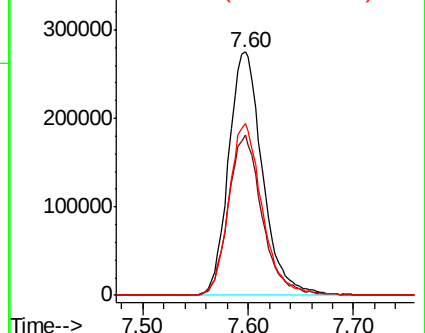
62 70.6 53.9 80.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.650 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

Tgt Ion: 88 Resp: 231928

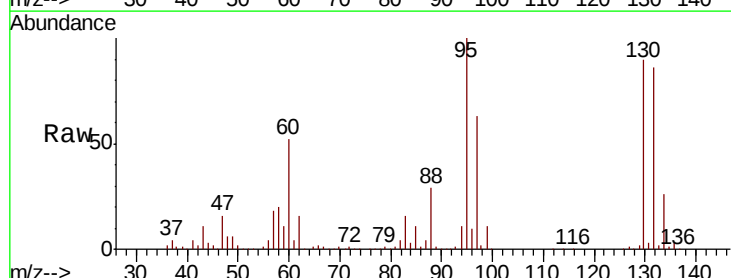
Ion Ratio Lower Upper

88 100

58 124.8 105.6 158.4

43 242.0 201.9 302.9

57 1139.4 942.1 1413.1

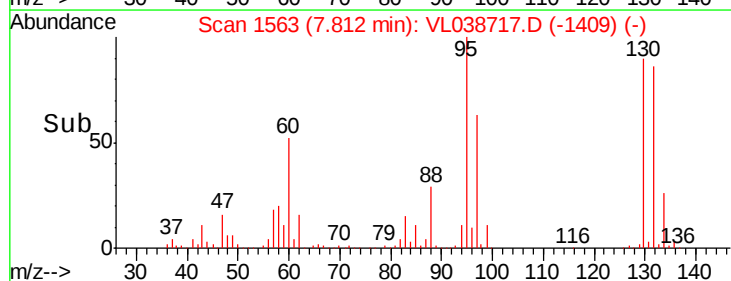
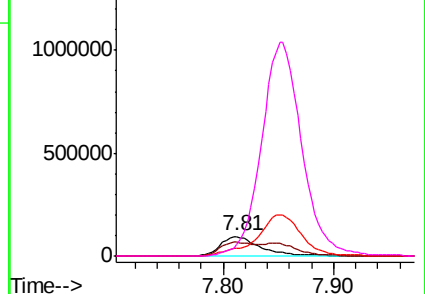


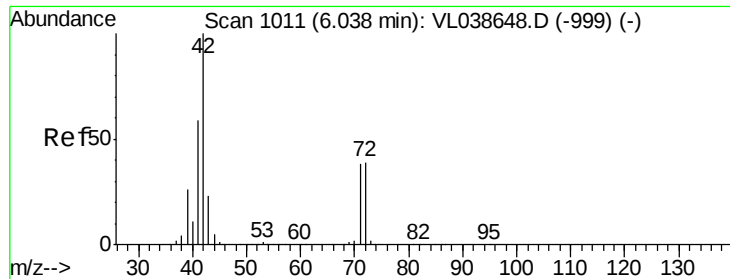
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.031 ppbv

RT: 6.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

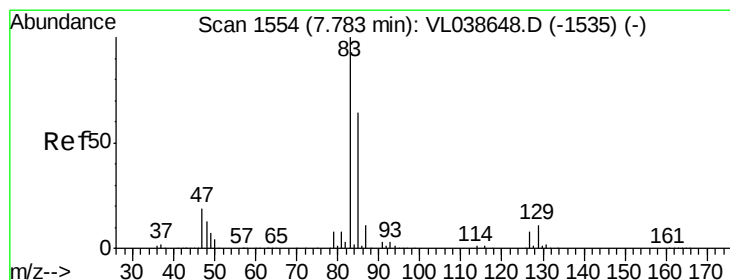
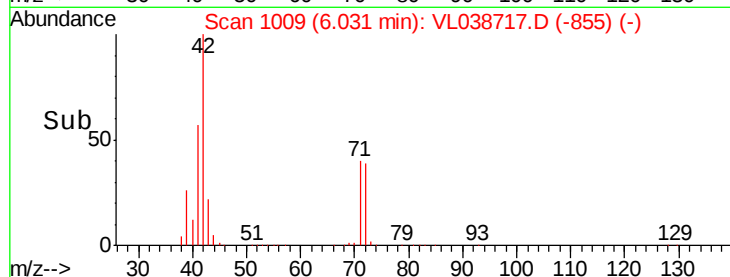
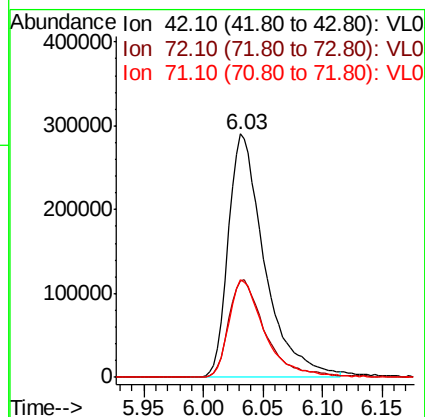
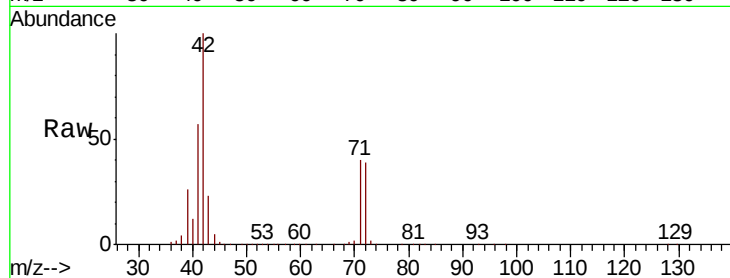
Tot Ion: 42 Resp: 614146

Ion Ratio Lower Upper

42 100

72 41.0 32.5 48.7

71 40.0 31.4 47.2



#42

Bromodichloromethane

Concen: 11.017 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

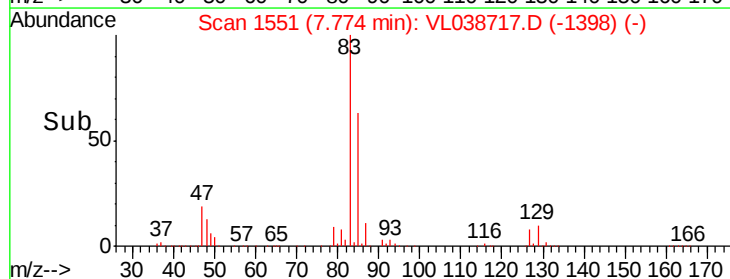
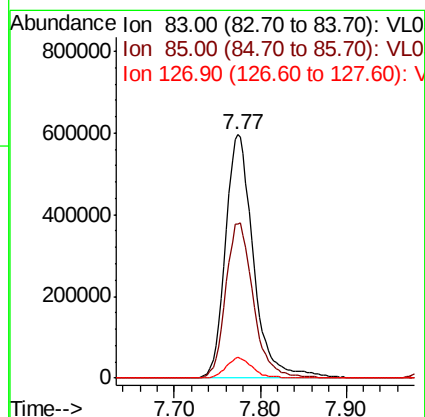
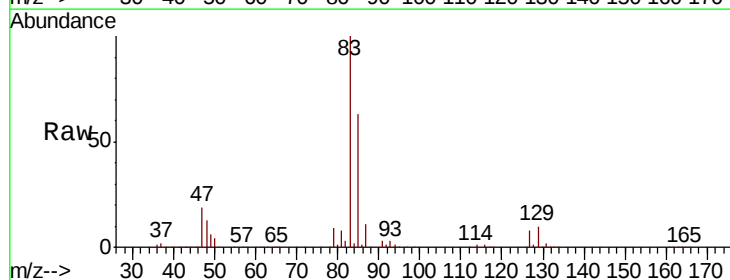
Tgt Ion: 83 Resp: 1347783

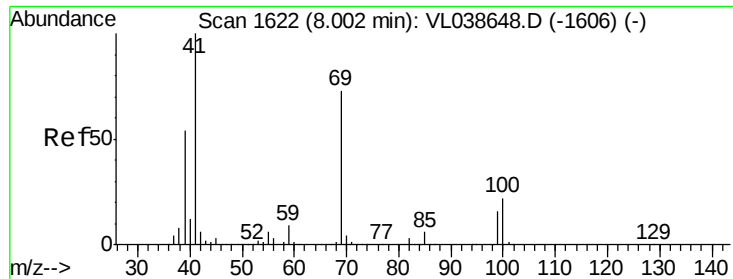
Ion Ratio Lower Upper

83 100

85 63.4 51.1 76.7

127 8.4 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.790 ppbv

RT: 8.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

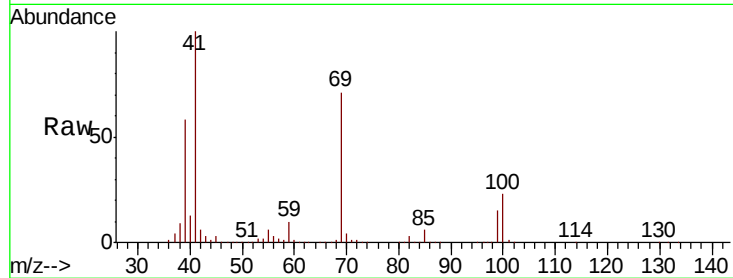
Tot Ion: 69 Resp: 642569

Ion Ratio Lower Upper

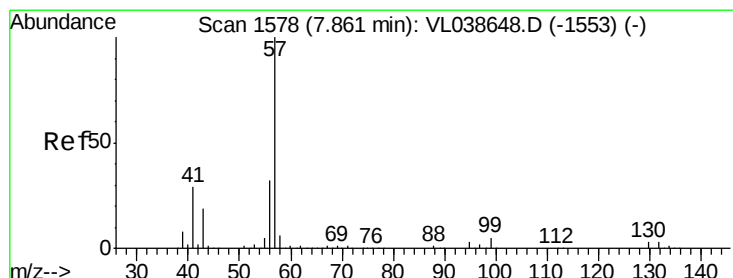
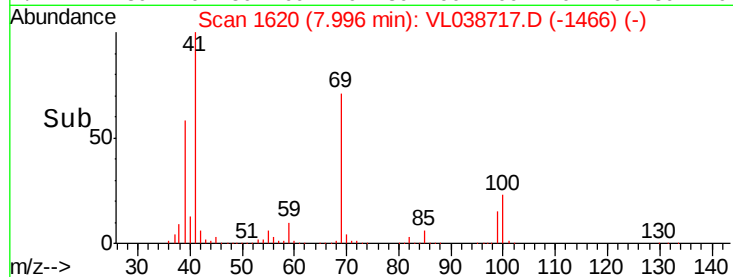
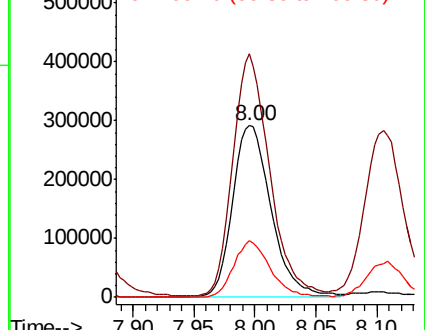
69 100

41 136.2 110.3 165.5

100 31.2 24.8 37.2



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.814 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

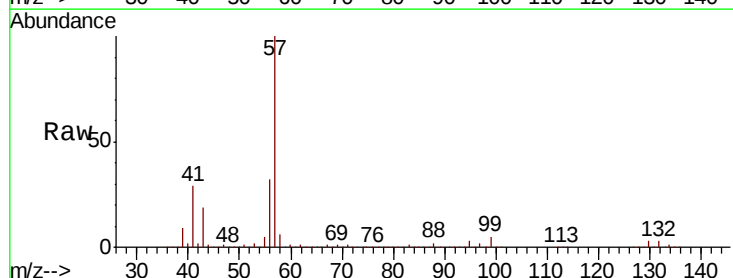
Tgt Ion: 57 Resp: 2643106

Ion Ratio Lower Upper

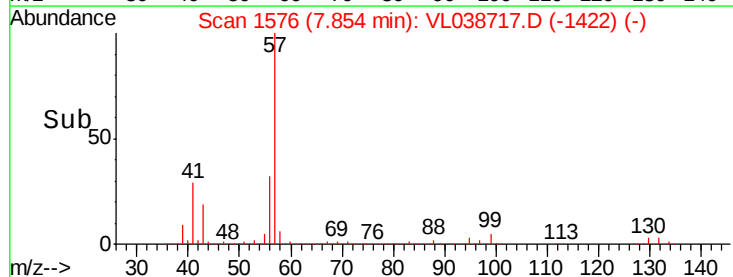
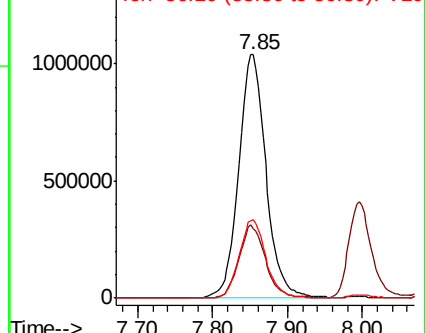
57 100

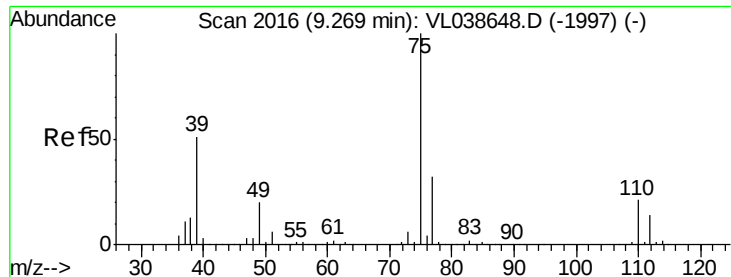
41 29.0 23.0 34.4

56 31.4 25.3 37.9



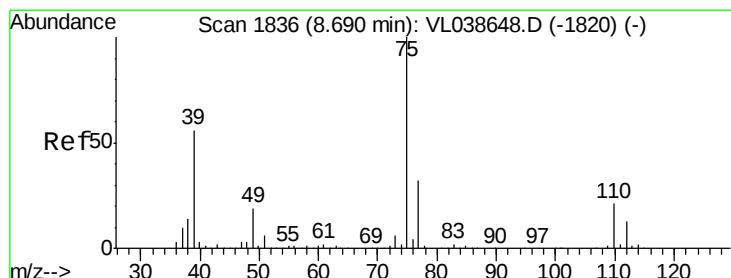
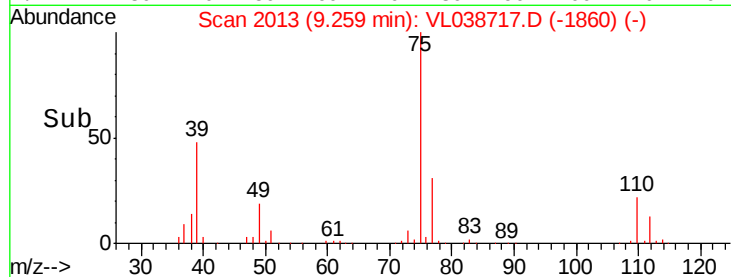
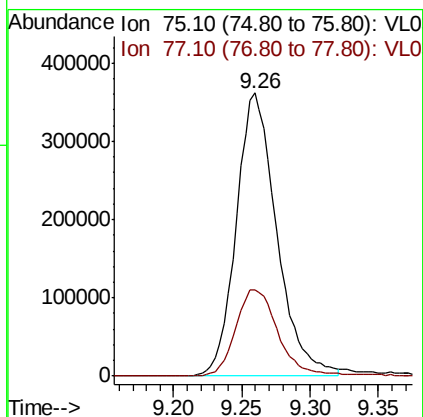
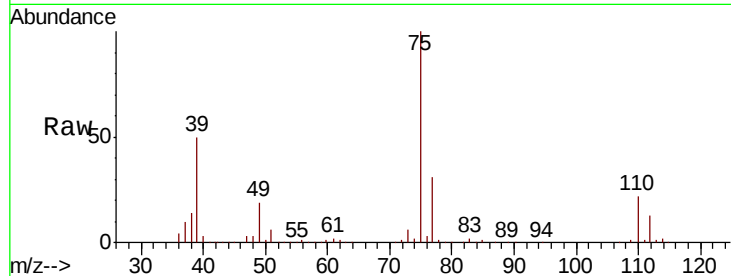
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





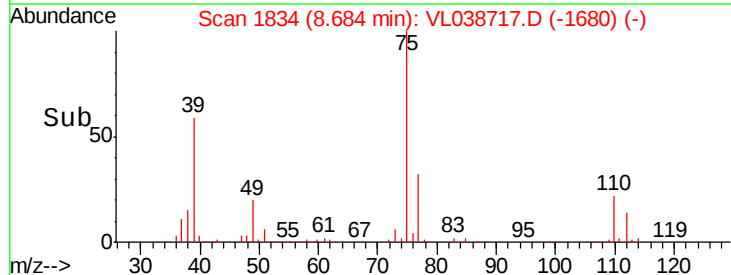
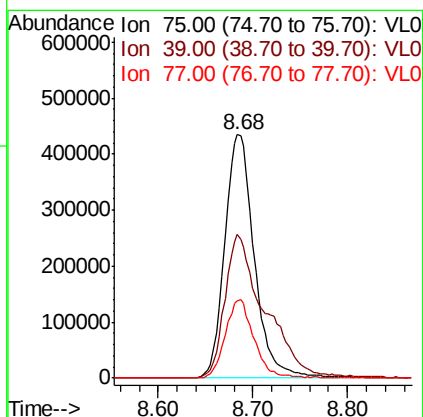
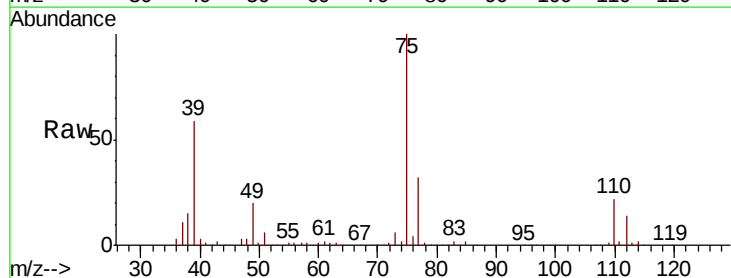
#45
 t-1,3-Dichloropropene
 Concen: 12.272 ppbv
 RT: 9.26
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

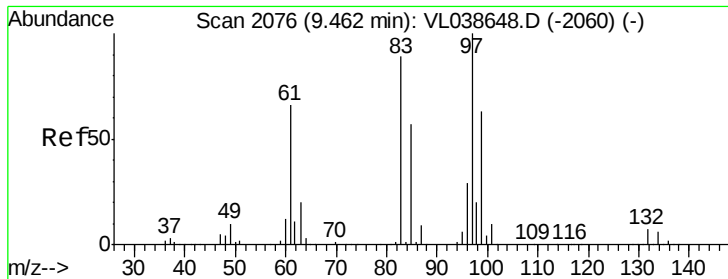
Tot Ion: 75 Resp: 743082
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.546 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

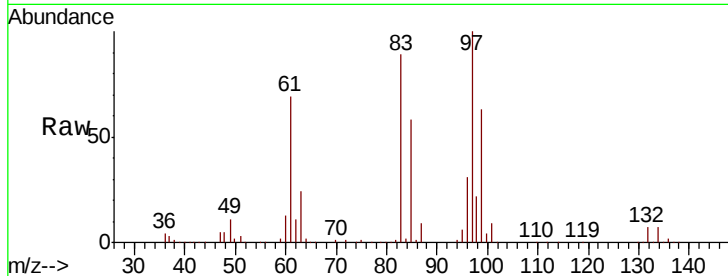
Tgt Ion: 75 Resp: 945398
 Ion Ratio Lower Upper
 75 100
 39 59.2 44.8 67.2
 77 31.6 25.4 38.0



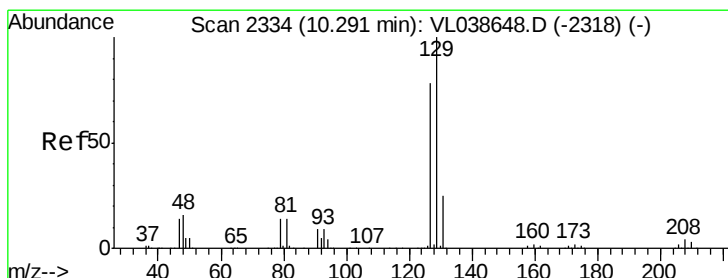
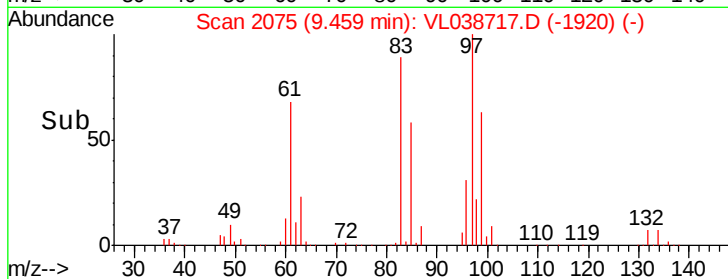
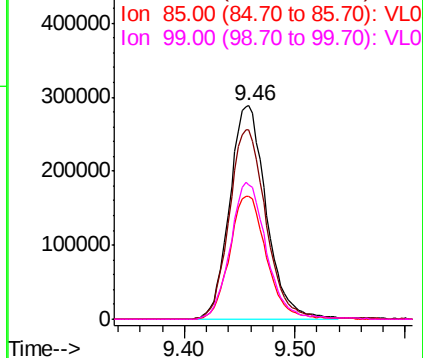


#47
 1,1,2-Trichloroethane
 Concen: 9.918 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 15:44

Tot Ion:	97	Resp:	664008
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.2	106.8
85	57.8	45.3	67.9
99	63.1	50.6	76.0

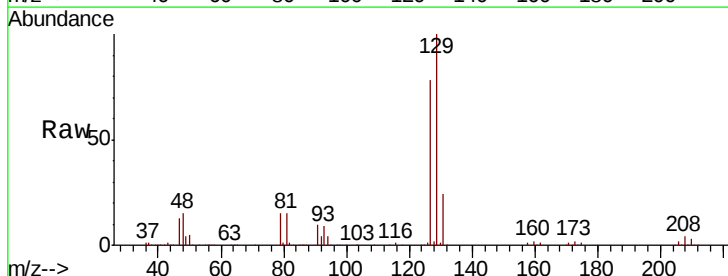


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

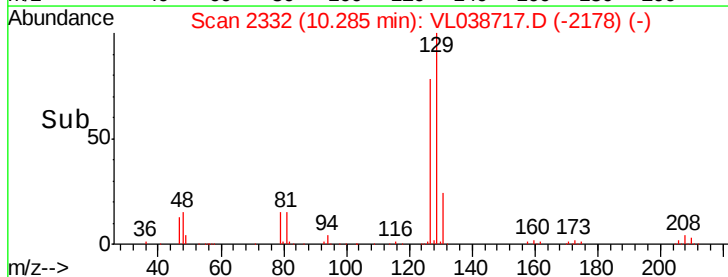
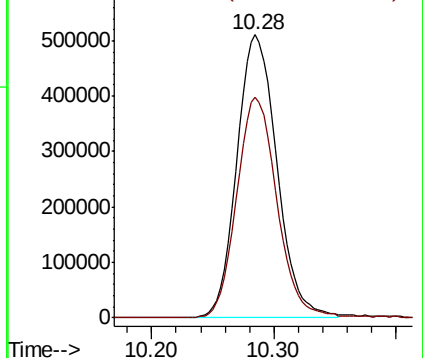


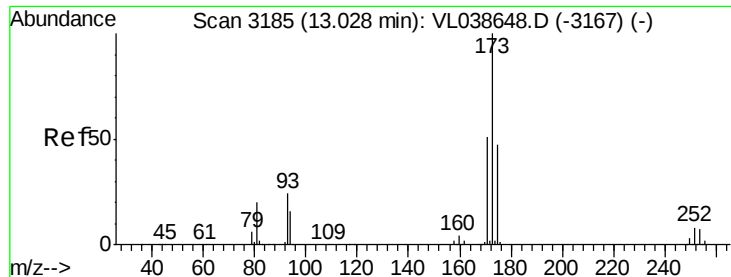
#48
 Dibromochloromethane
 Concen: 11.072 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion:	129	Resp:	1161119
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.5



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





#49

Bromoform

Concen: 11.011 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Mar 2022 15:44

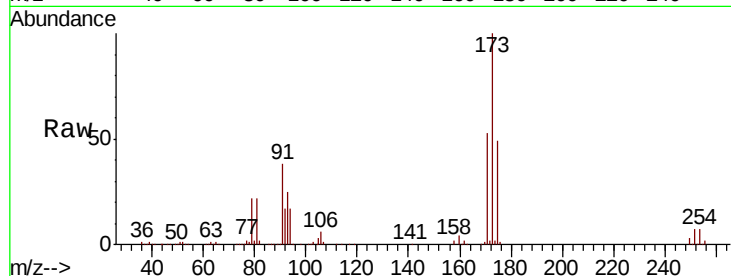
Tot Ion:173 Resp: 941190

Ion Ratio Lower Upper

173 100

175 50.5 41.0 61.6

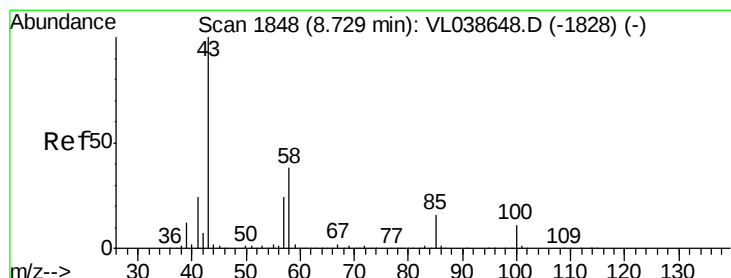
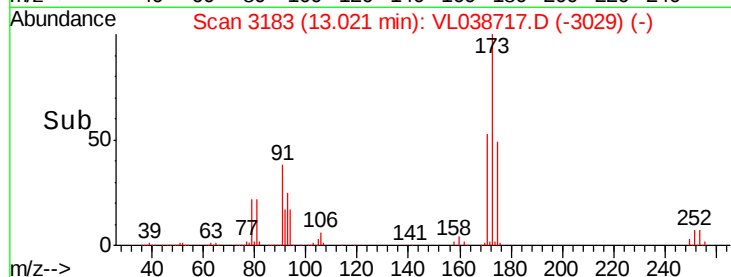
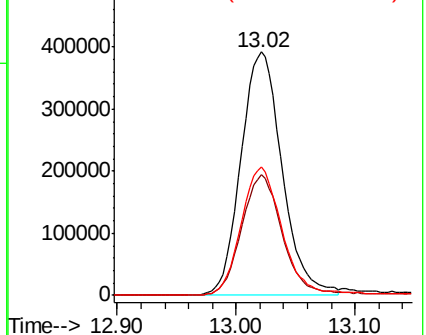
171 53.9 43.1 64.7



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: 10.307 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL038717.D

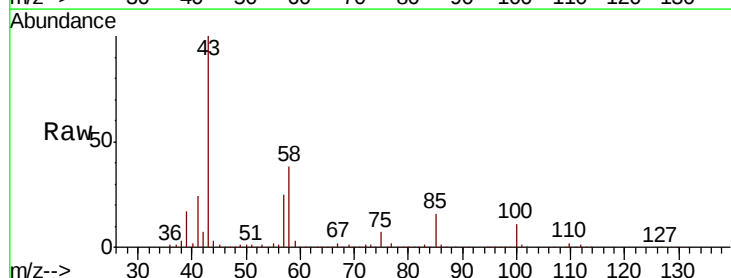
Acq: 23 Mar 2022 15:44

Tgt Ion: 43 Resp: 1576349

Ion Ratio Lower Upper

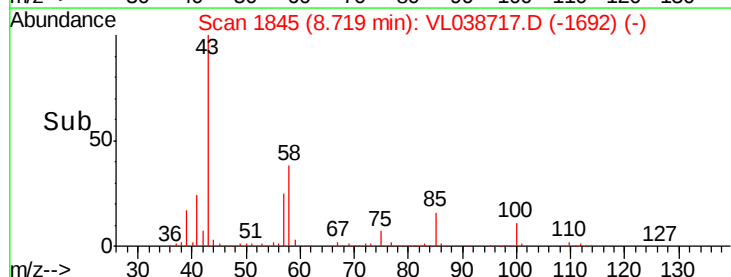
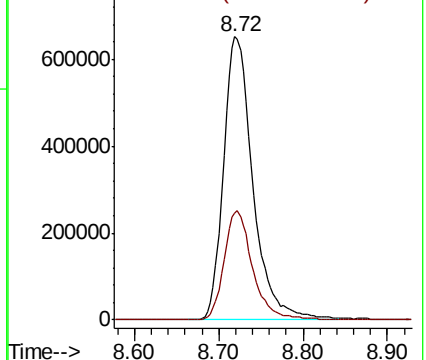
43 100

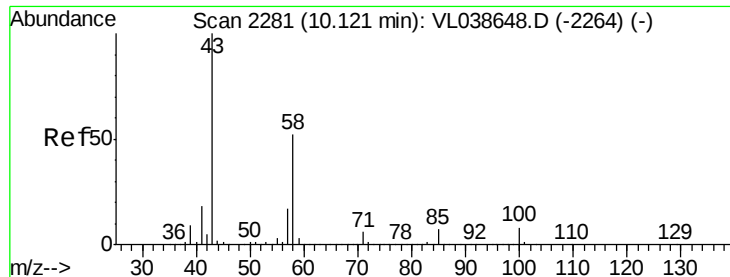
58 37.7 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

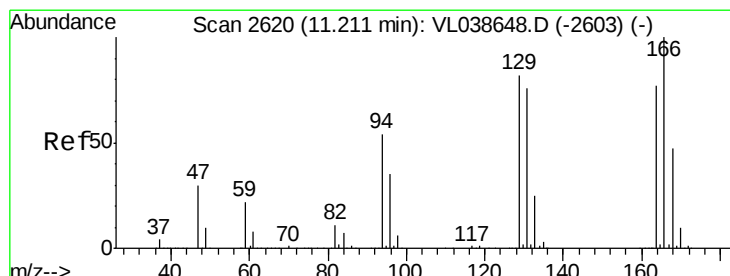
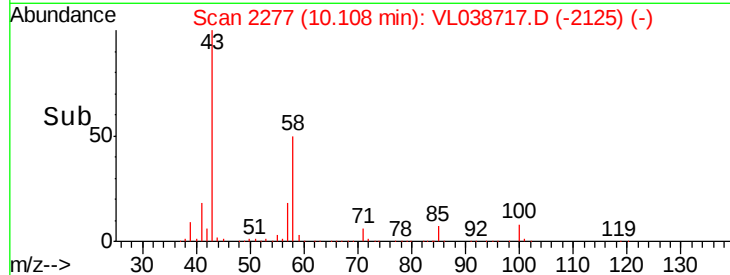
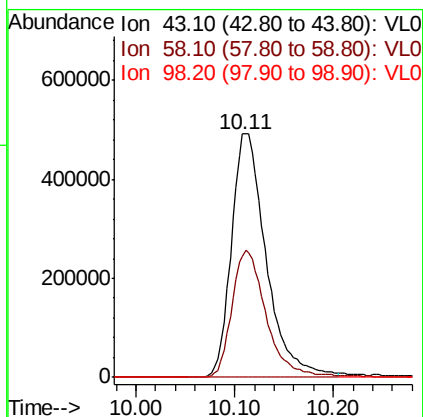
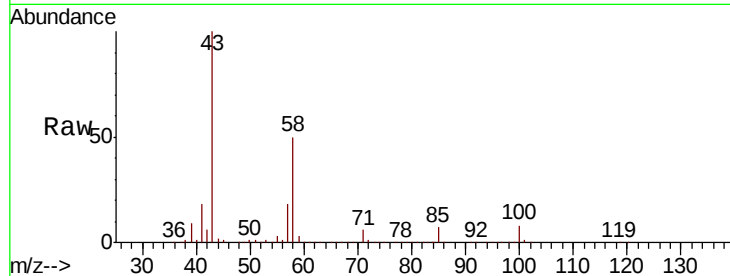
Ion 58.10 (57.80 to 58.80): VL0





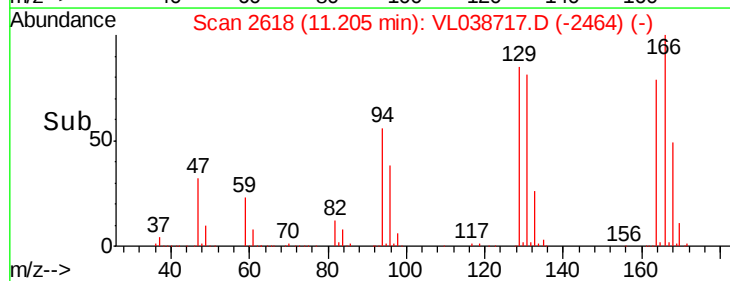
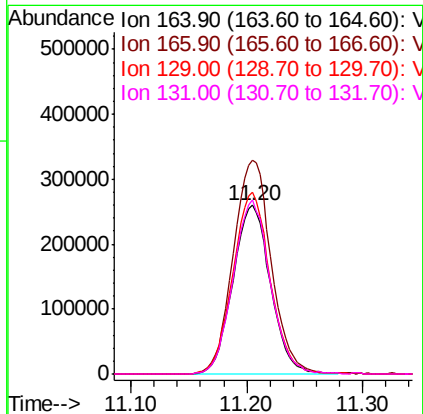
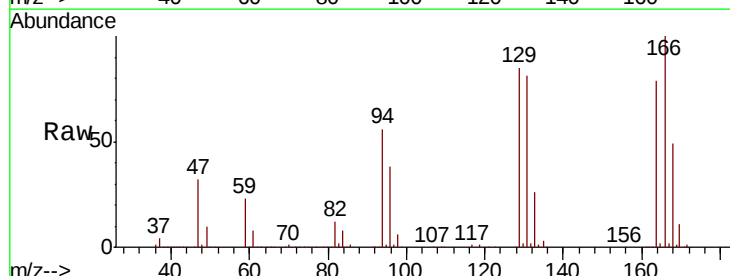
#51
2-Hexanone
Concen: 10.982 ppbv
RT: 10.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 15:44

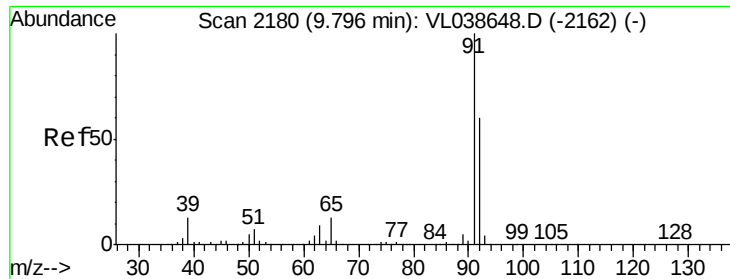
Tot Ion: 43 Resp: 1206403
Ion Ratio Lower Upper
43 100
58 51.9 41.2 61.8
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.919 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

Tgt Ion: 164 Resp: 582226
Ion Ratio Lower Upper
164 100
166 126.6 103.3 154.9
129 107.7 85.2 127.8
131 102.9 78.3 117.5





#53

Toluene

Concen: 10.712 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

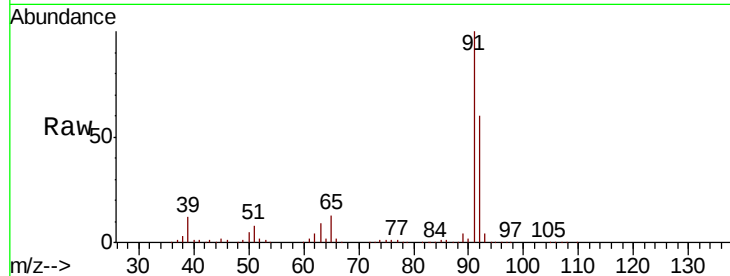
Acq: 23 Mar 2022 15:44

Tot Ion: 91 Resp: 1846327

Ion Ratio Lower Upper

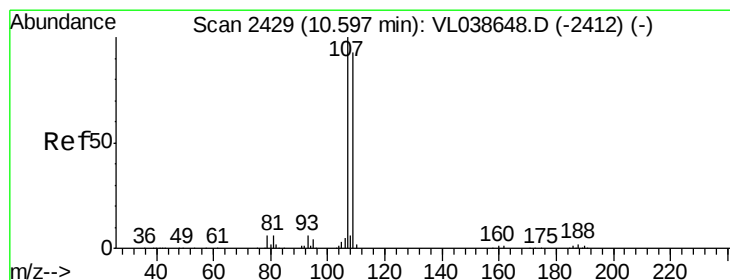
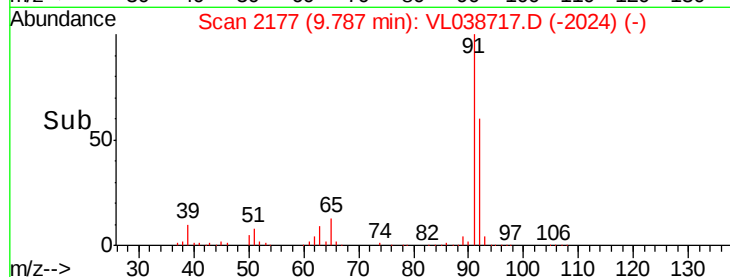
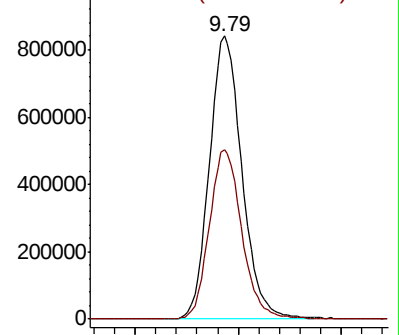
91 100

92 60.1 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.729 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VL038717.D

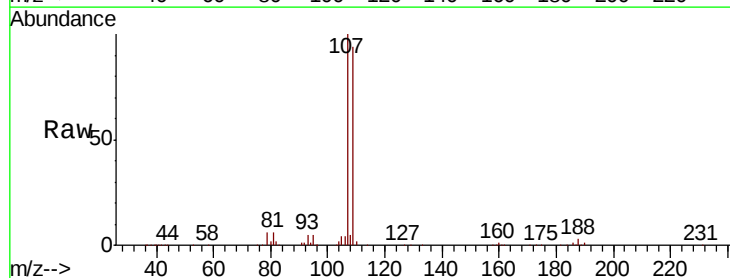
Acq: 23 Mar 2022 15:44

Tgt Ion: 107 Resp: 980788

Ion Ratio Lower Upper

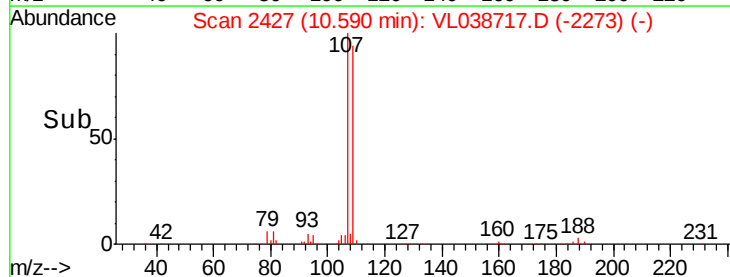
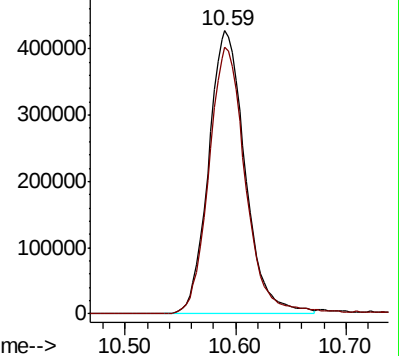
107 100

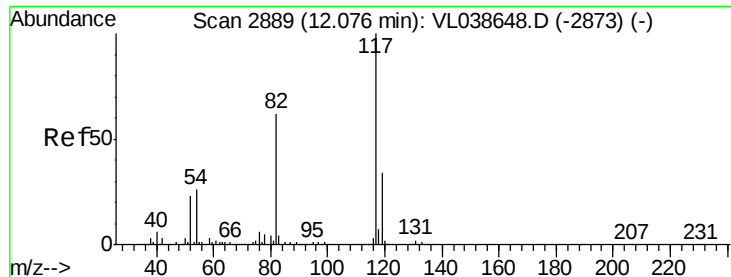
109 94.2 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

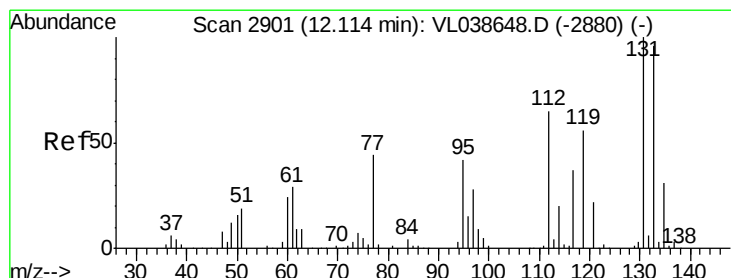
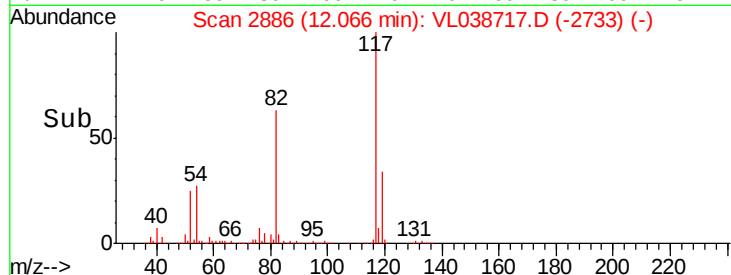
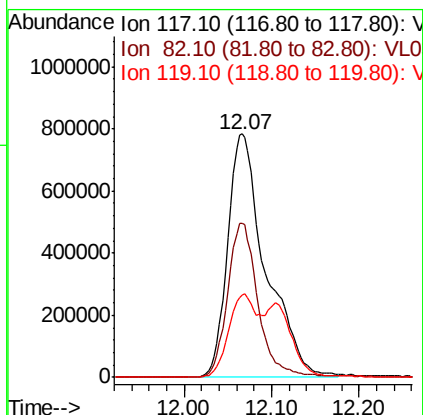
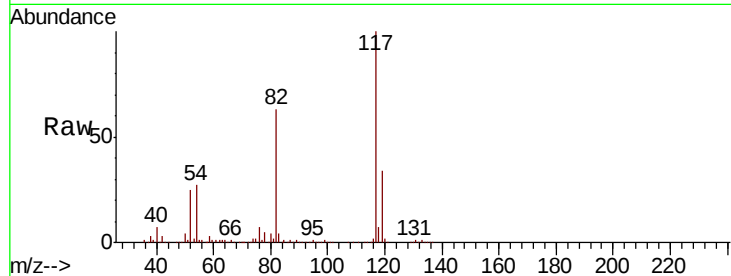
Ion 109.00 (108.70 to 109.70): V





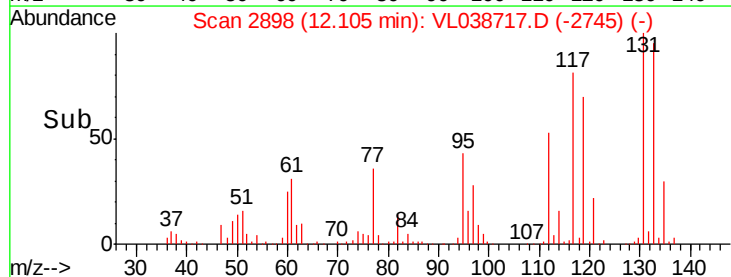
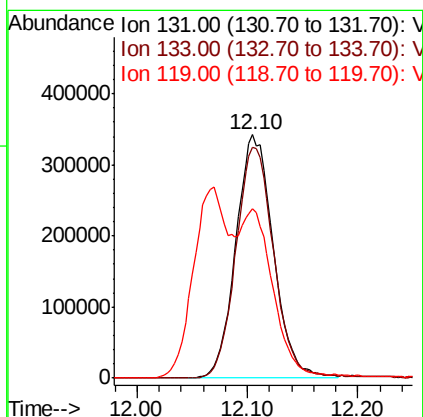
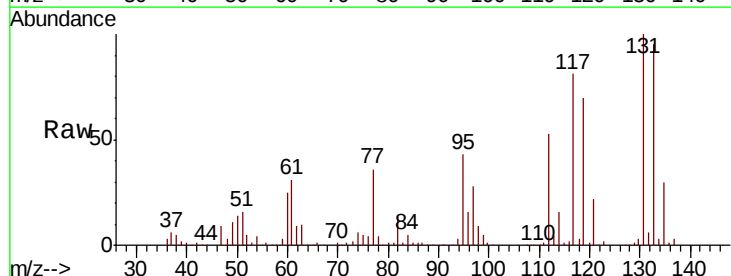
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 15:44

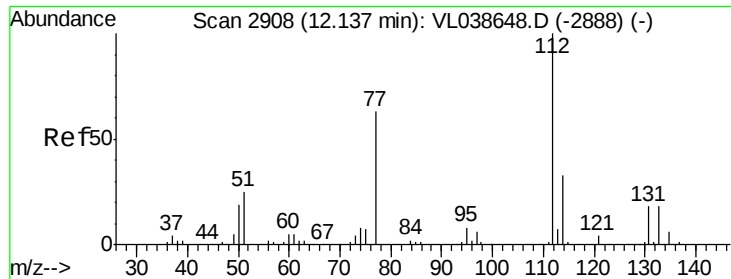
Tot Ion:117 Resp: 2367666
Ion Ratio Lower Upper
117 100
82 51.5 51.6 77.4#
119 24.5 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.197 ppbv
RT: 12.10 min Scan# 2898
Delta R.T.: -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

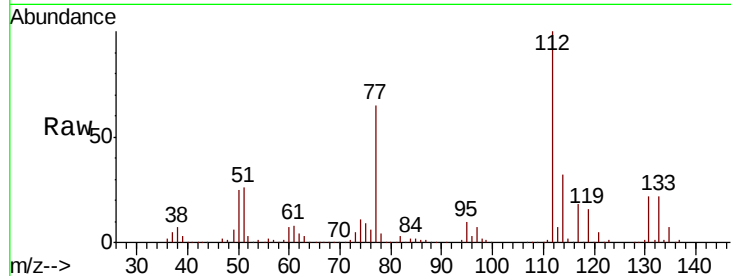
Tgt Ion:131 Resp: 804611
Ion Ratio Lower Upper
131 100
133 97.2 77.3 115.9
119 62.5 53.0 79.6



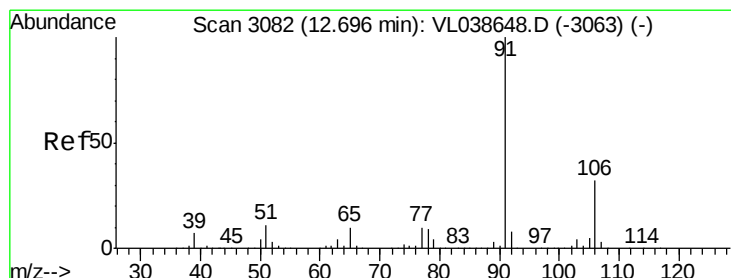
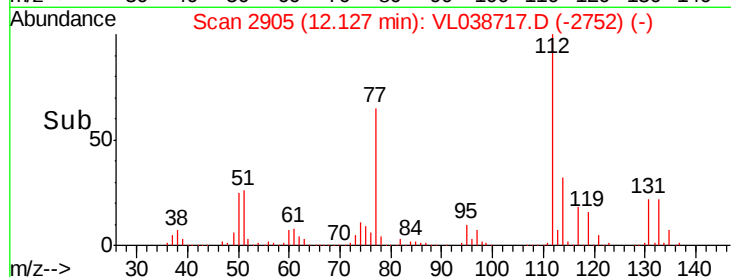
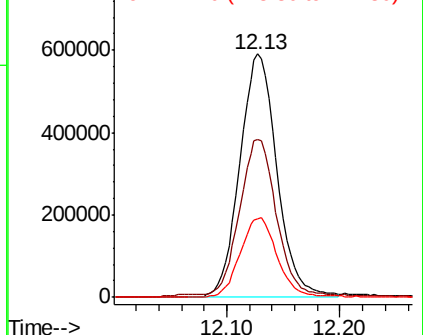


#57
Chlorobenzene
Concen: 7.921 ppbv
RT: 12.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 15:44

Tot Ion: 112 Resp: 1352643
Ion Ratio Lower Upper
112 100
77 63.8 51.0 76.6
114 32.0 29.8 36.4

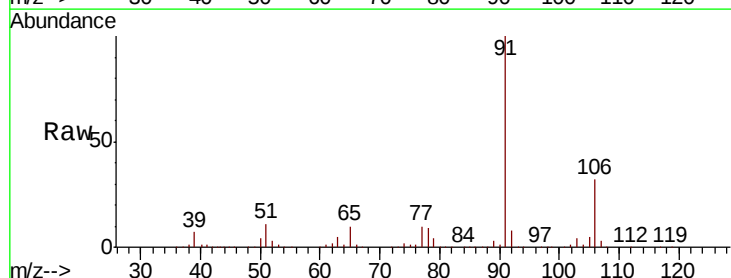


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

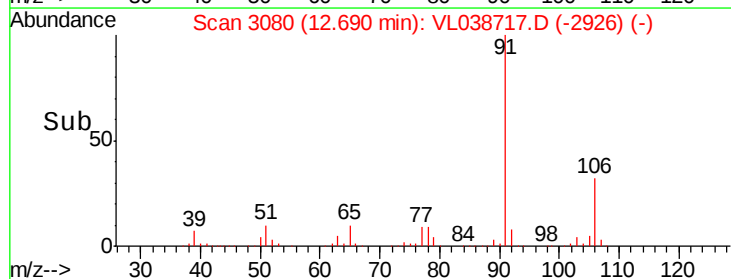
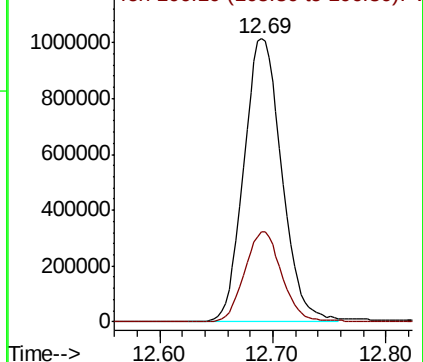


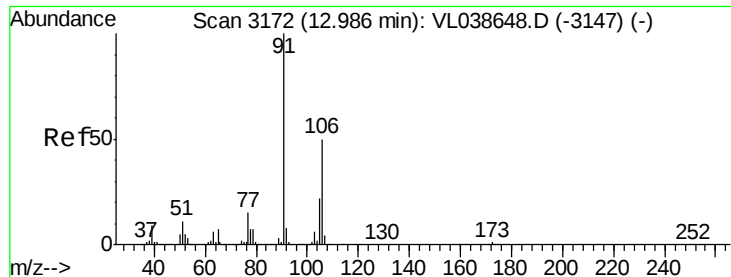
#58
Ethyl Benzene
Concen: 8.546 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

Tgt Ion: 91 Resp: 2365569
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0



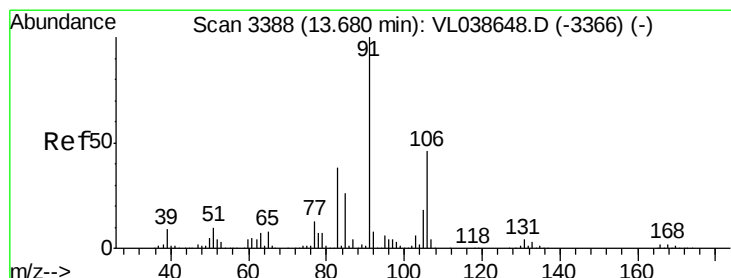
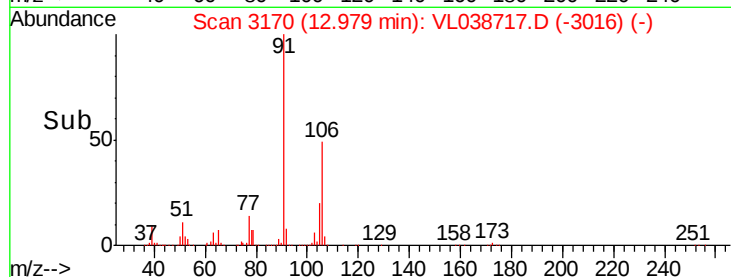
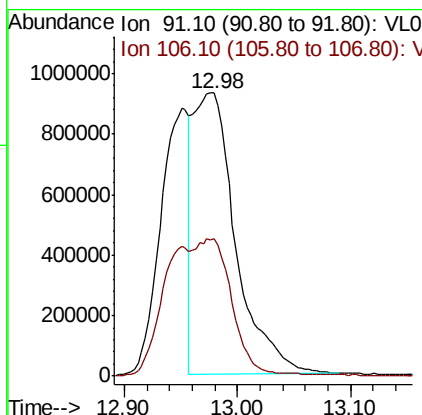
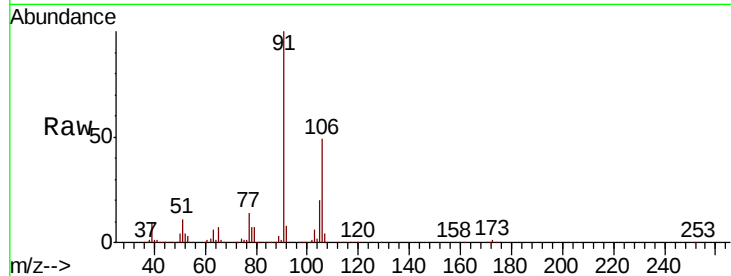
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





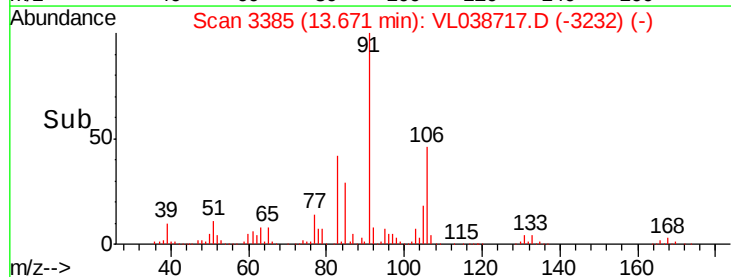
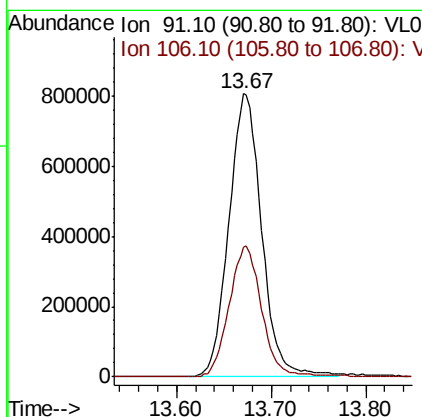
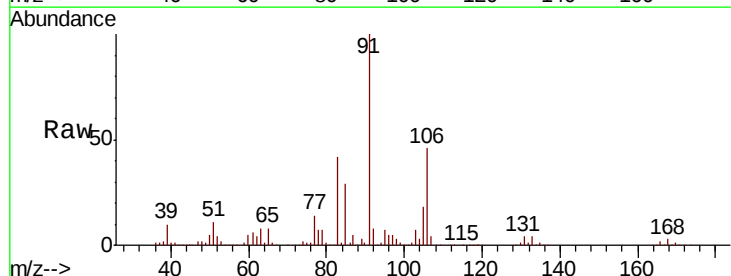
#59
m/p-Xylene
Concen: 9.967 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 23 Mar 2022 15:44

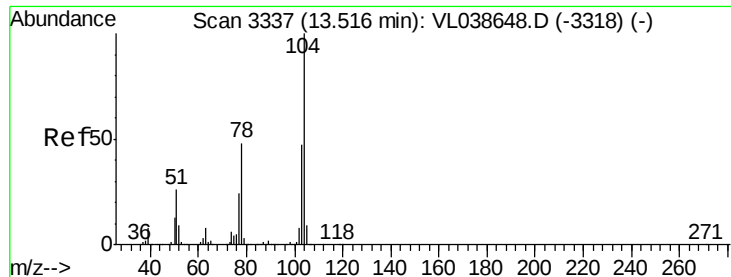
Tot Ion: 91 Resp: 2413126
Ion Ratio Lower Upper
91 100
106 76.5 37.2 55.8#



#60
o-Xylene
Concen: 8.410 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

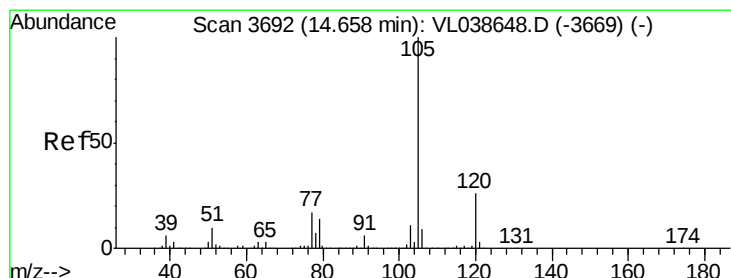
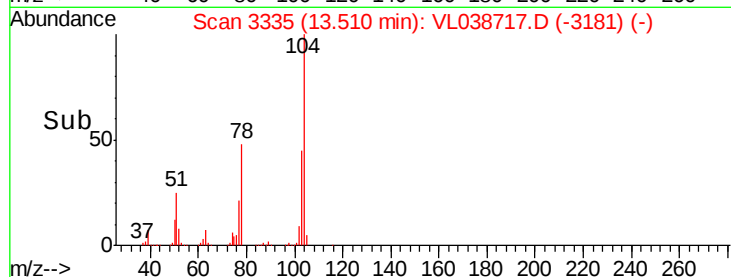
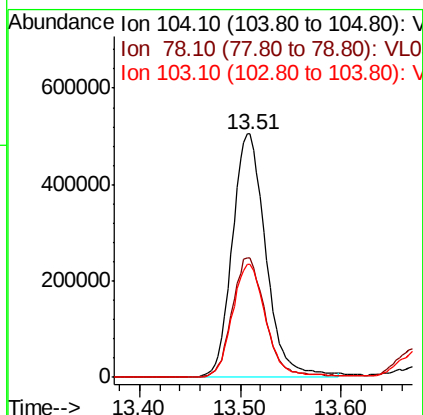
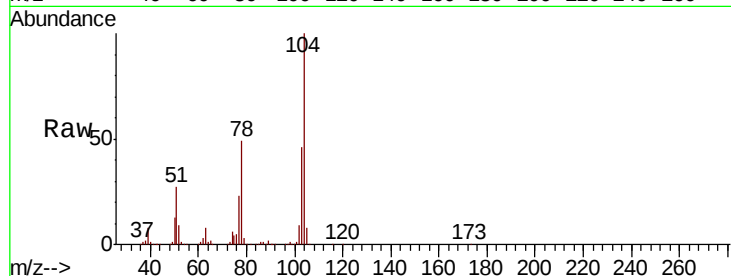
Tgt Ion: 91 Resp: 1933384
Ion Ratio Lower Upper
91 100
106 46.7 23.5 70.5





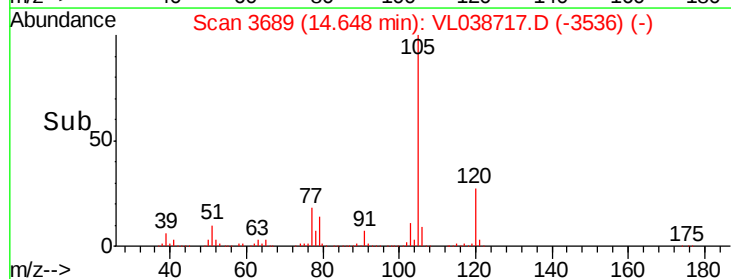
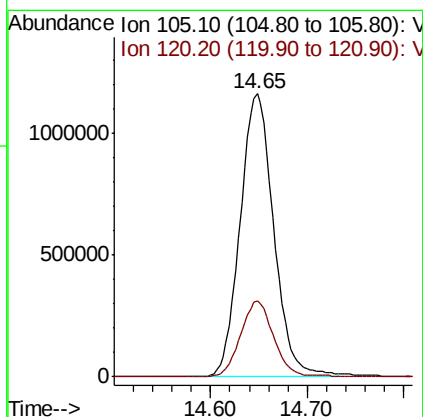
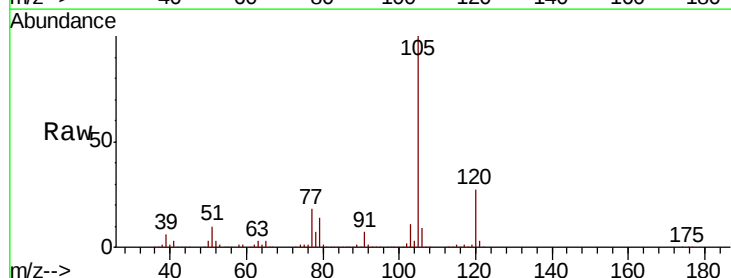
#61
Stvrene
Concen: 9.374 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 15:44

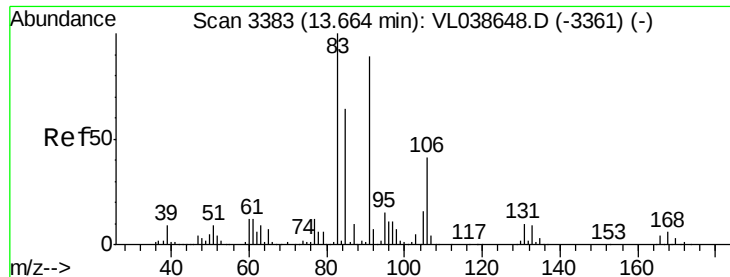
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.0	58.4
103	47.0	37.8	56.8



#62
Isopropylbenzene
Concen: 8.134 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.01 min
Lab File: VL038717.D
Acq: 23 Mar 2022 15:44

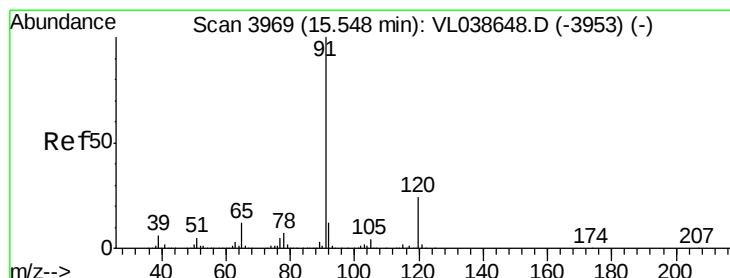
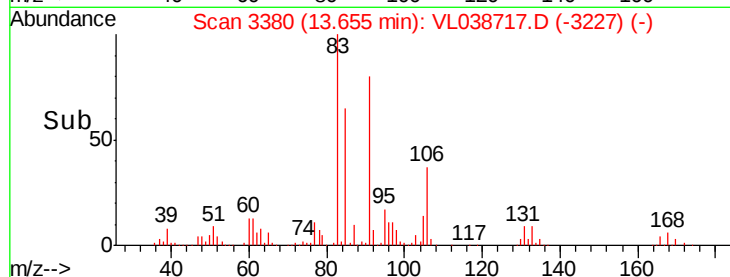
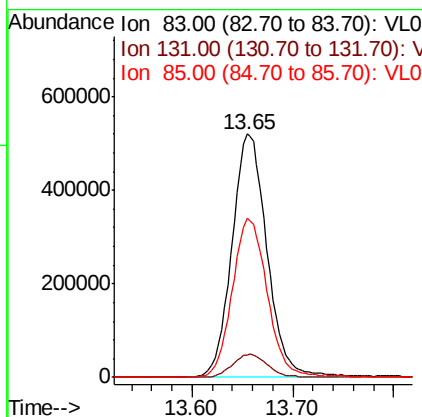
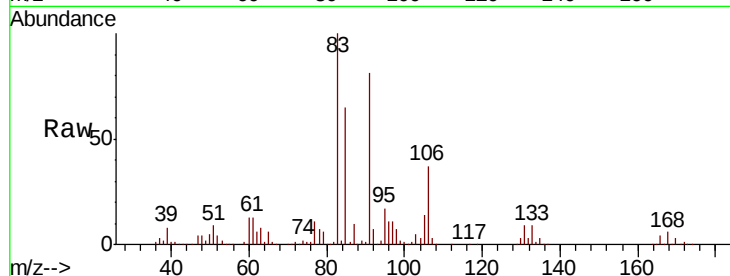
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.2	31.8





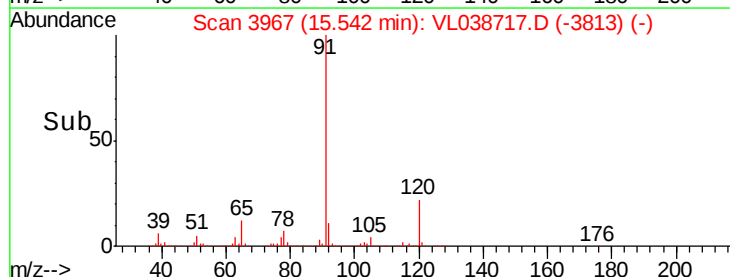
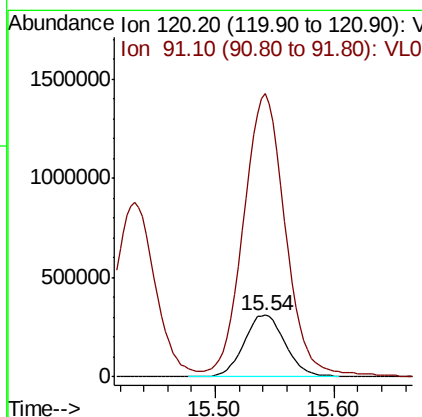
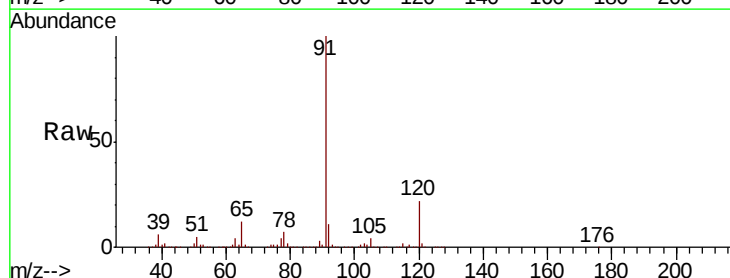
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.024 ppbv
 RT: 13.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

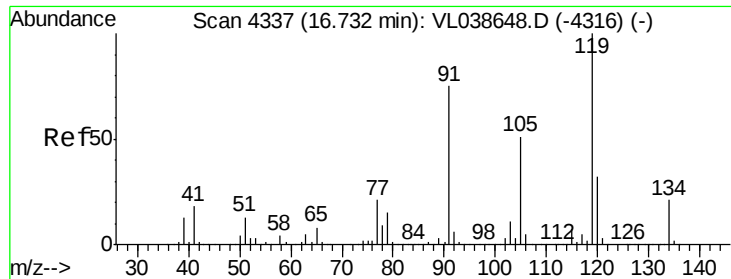
Tot Ion: 83 Resp: 1250817
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 66.2 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.258 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T.: -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

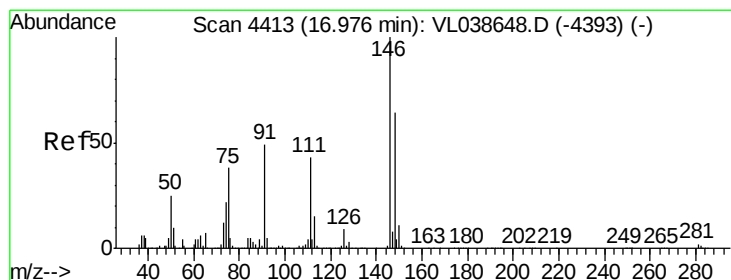
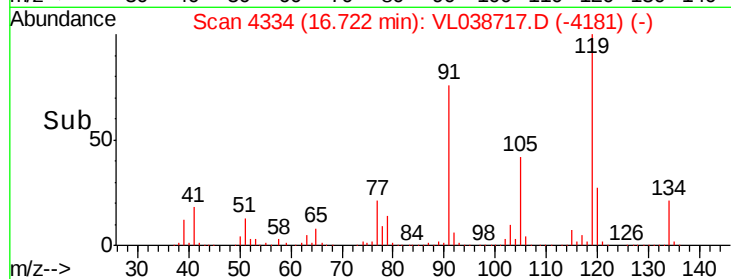
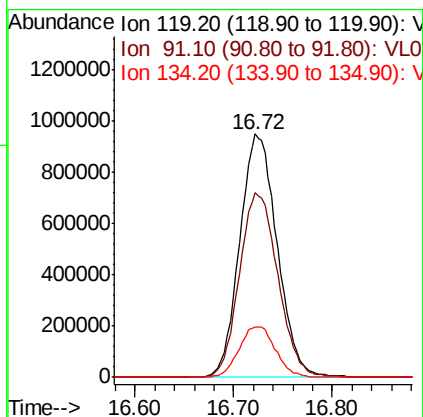
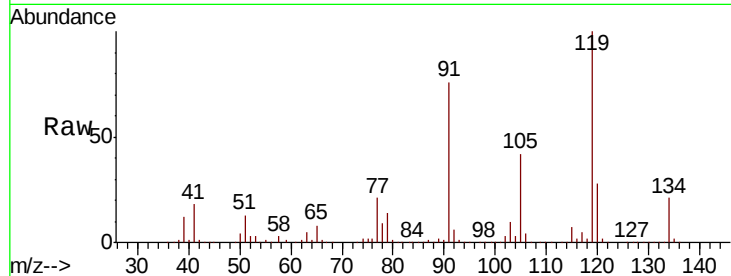
Tgt Ion: 120 Resp: 748916
 Ion Ratio Lower Upper
 120 100
 91 465.2 368.0 552.0





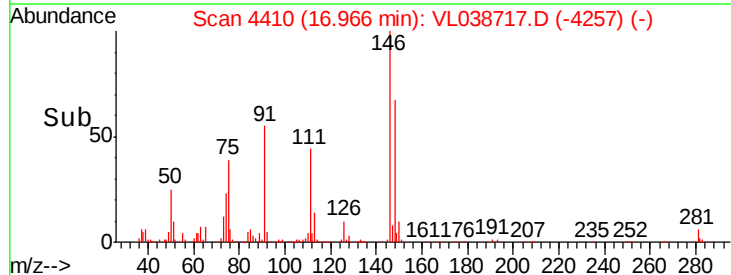
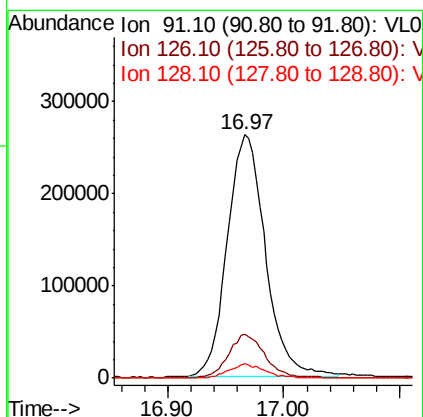
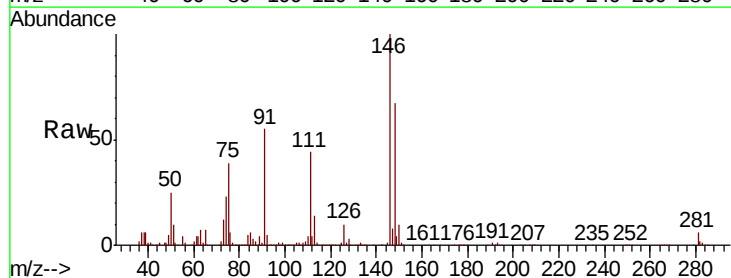
#65
 tert-Butylbenzene
 Concen: 8.021 ppbv
 RT: 16.72 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

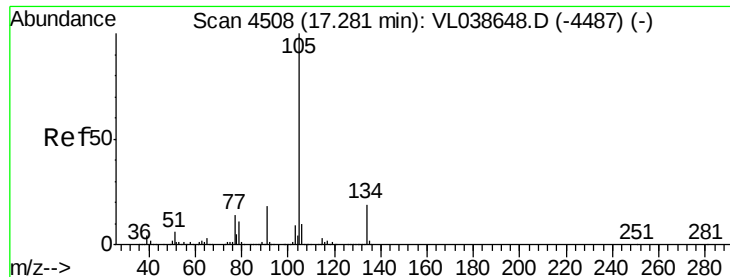
Tot Ion: 119 Resp: 2491066
 Ion Ratio Lower Upper
 119 100
 91 78.1 61.2 91.8
 134 20.4 16.3 24.5



#66
 Benzyl Chloride
 Concen: 10.174 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T.: -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion: 91 Resp: 598258
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.3 21.5
 128 5.6 4.6 6.8





#67

sec-Butylbenzene

Concen: 8.054 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

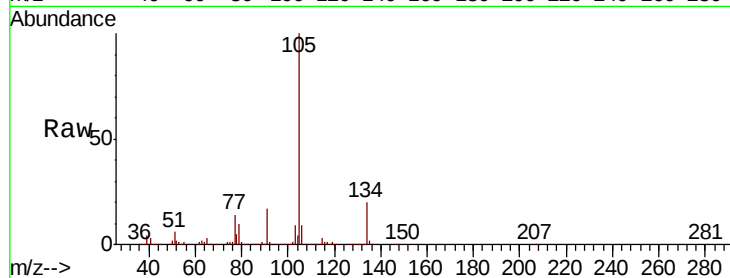
Acq: 23 Mar 2022 15:44

Tot Ion: 105 Resp: 3577148

Ion Ratio Lower Upper

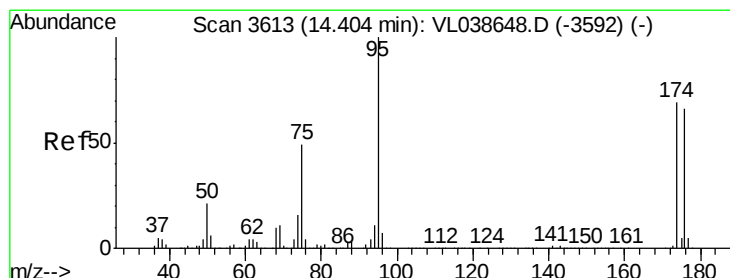
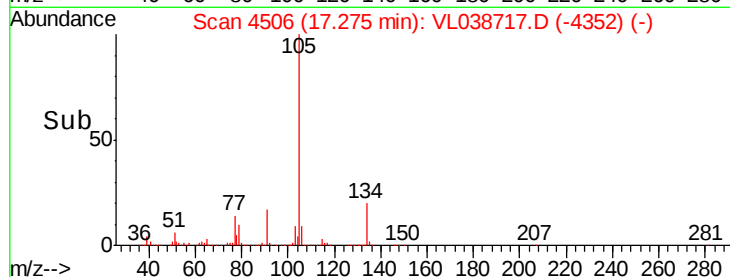
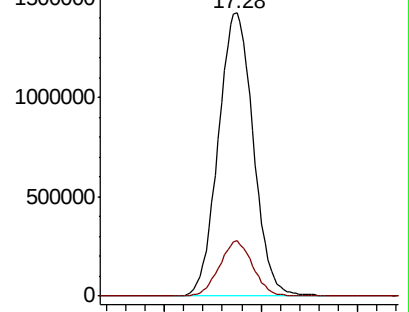
105 100

134 18.8 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.848 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

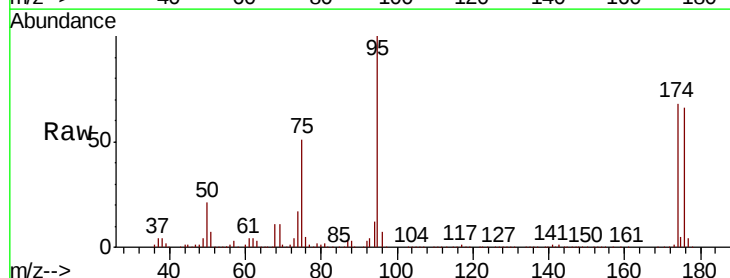
Tgt Ion: 95 Resp: 1424612

Ion Ratio Lower Upper

95 100

174 72.2 56.1 84.1

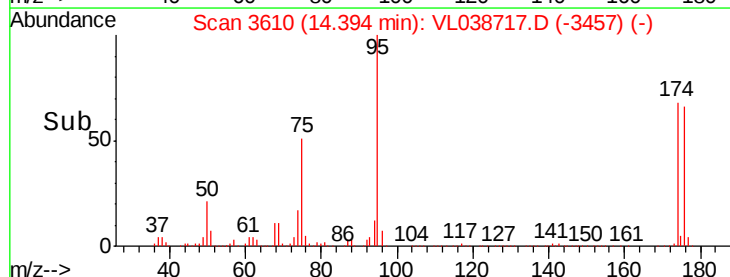
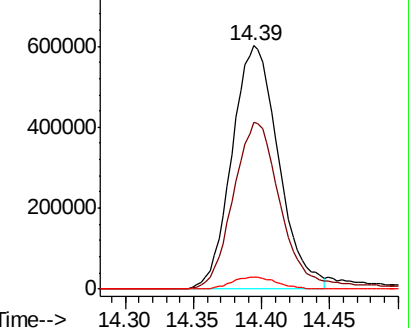
175 5.3 4.2 6.2

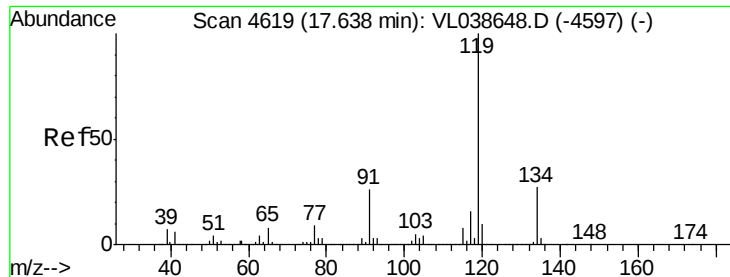


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

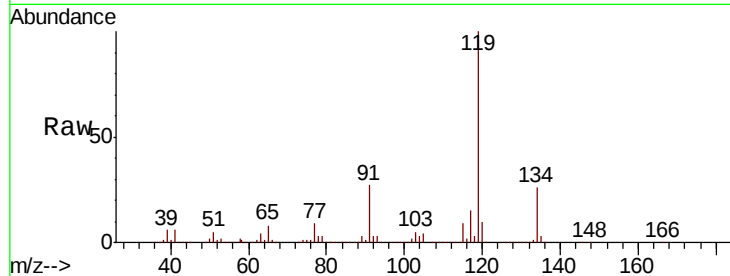
Ion 175.00 (174.70 to 175.70): V



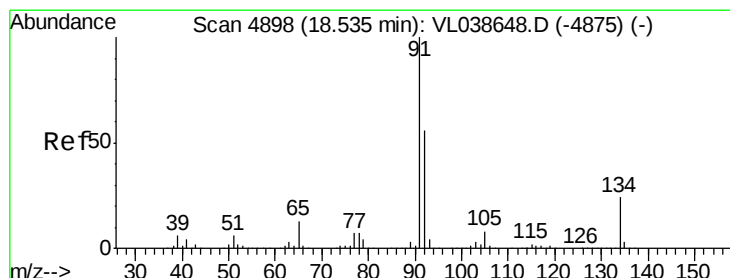
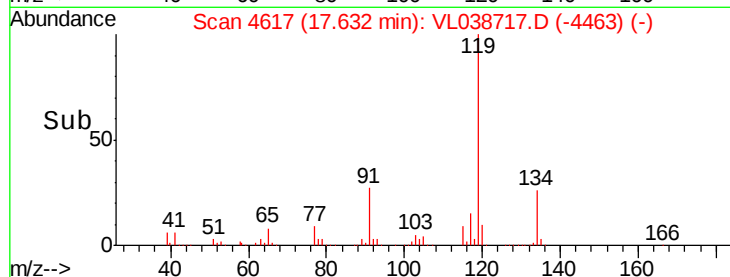
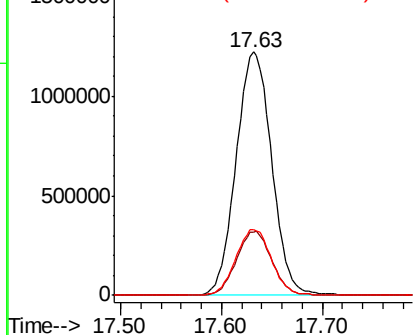


#69
 p-Isopropyltoluene
 Concen: 8.247 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 15:44

Tot Ion: 119 Resp: 2989394
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.2 31.8
 91 27.1 21.4 32.2

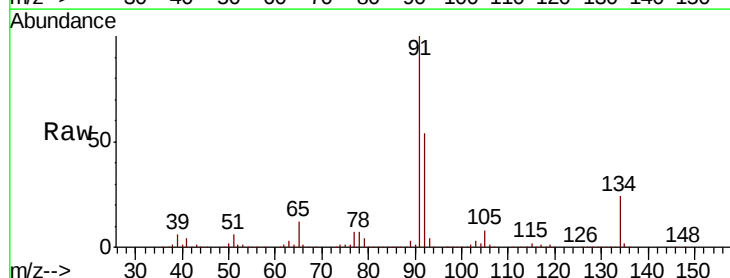


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

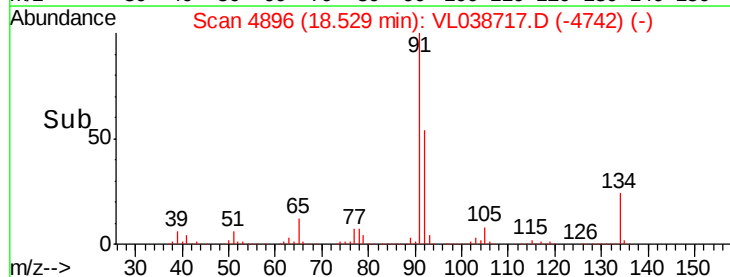
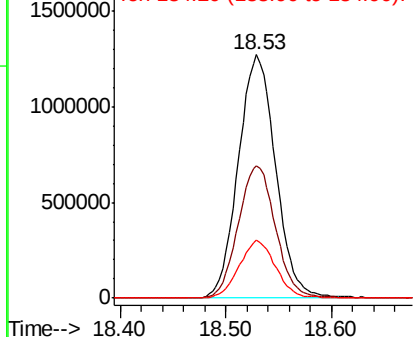


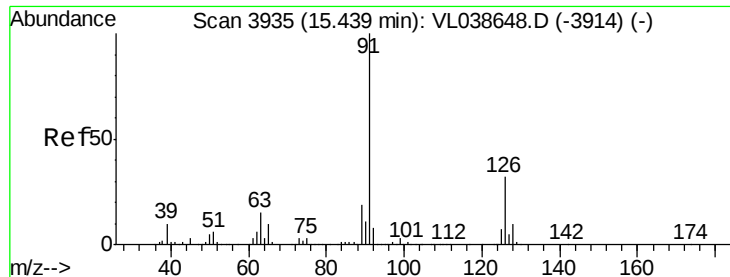
#70
 n-Butylbenzene
 Concen: 8.353 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion: 91 Resp: 3122720
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.9 65.9
 134 23.2 18.7 28.1



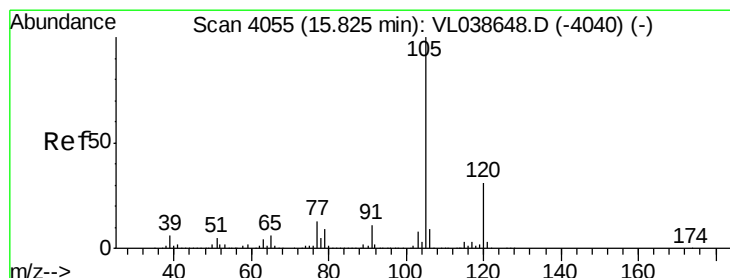
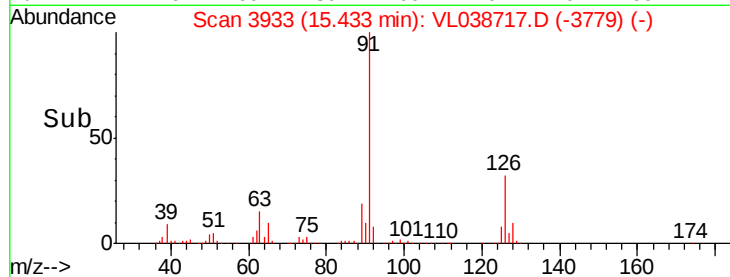
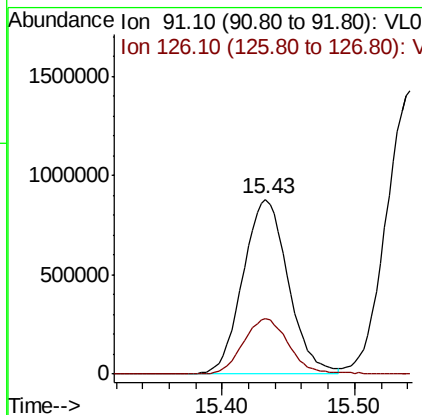
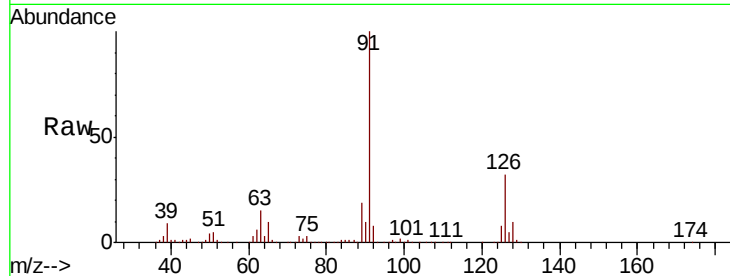
Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





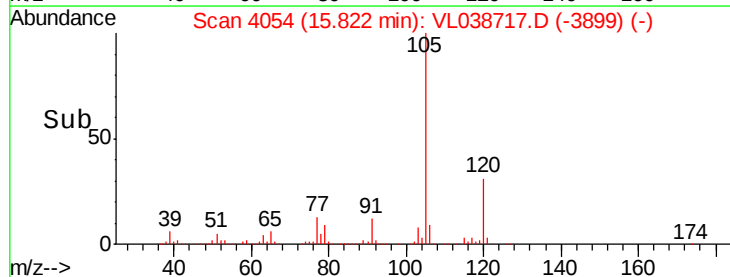
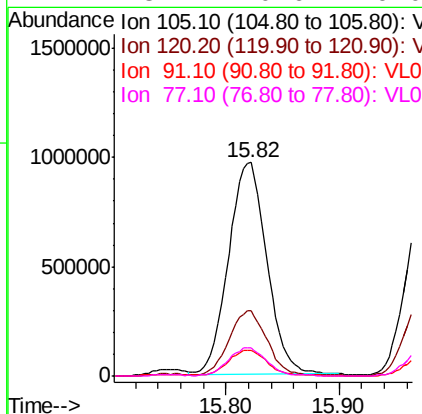
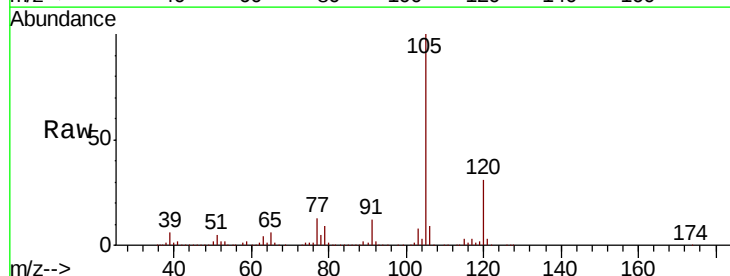
#71
 2-Chlorotoluene
 Concen: 8.162 ppbv
 RT: 15.43 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 15:44

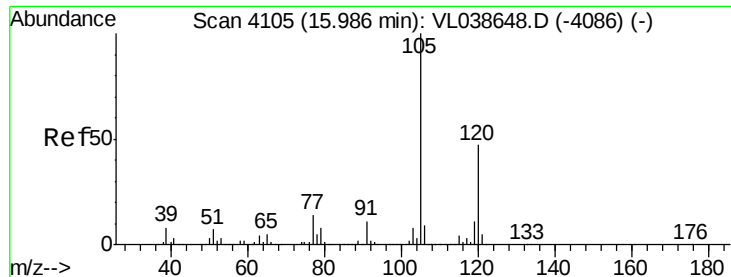
Tot Ion: 91 Resp: 2093668
 Ion Ratio Lower Upper
 91 100
 126 32.7 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.460 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.00 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion:105 Resp: 2295927
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.9 37.3
 91 12.3 9.8 14.6
 77 13.4 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.322 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

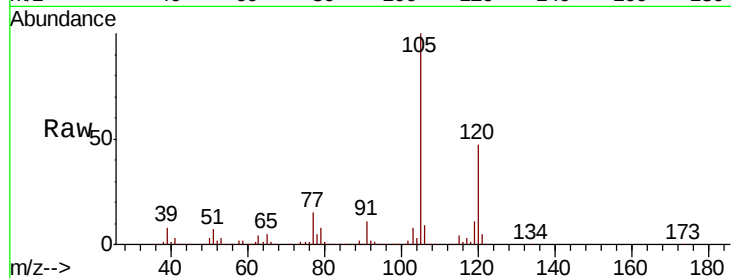
Acq: 23 Mar 2022 15:44

Tot Ion:105 Resp: 2058015

Ion Ratio Lower Upper

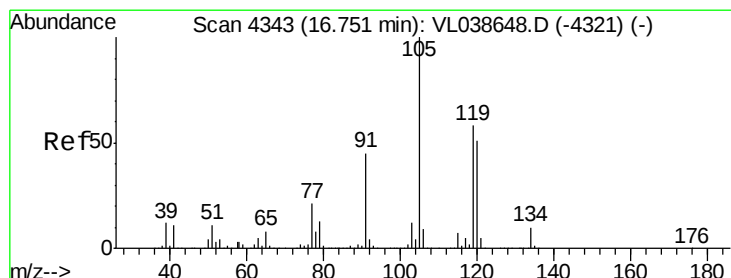
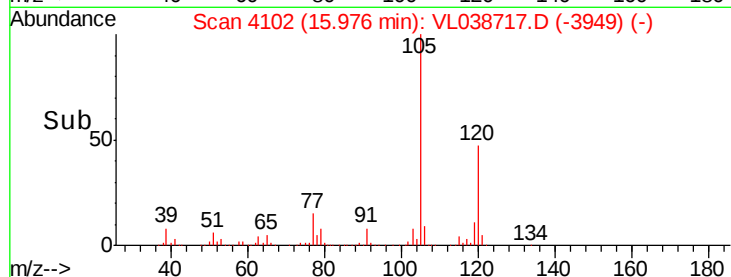
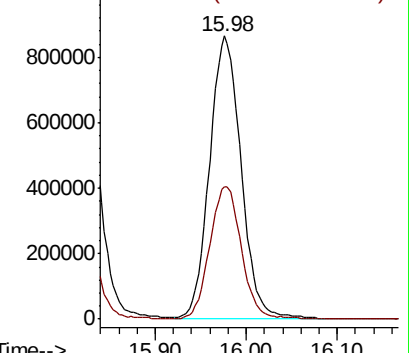
105 100

120 46.8 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: 8.085 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

Tgt Ion:105 Resp: 2177778

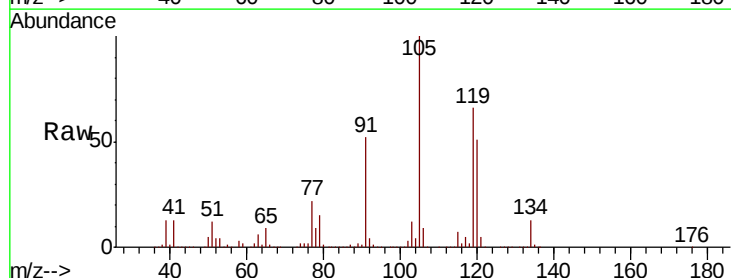
Ion Ratio Lower Upper

105 100

120 50.6 40.5 60.7

91 52.0 35.9 53.9

77 22.0 16.6 25.0

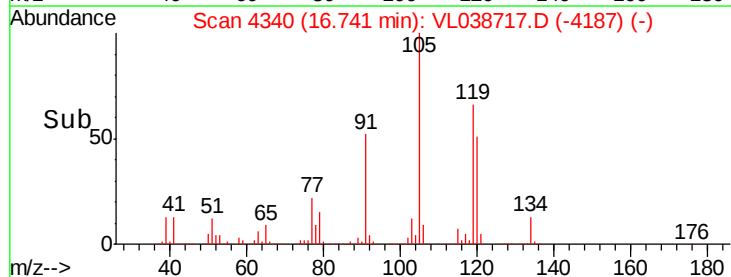
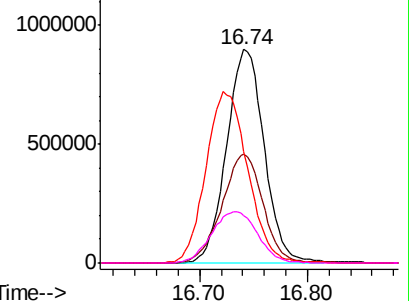


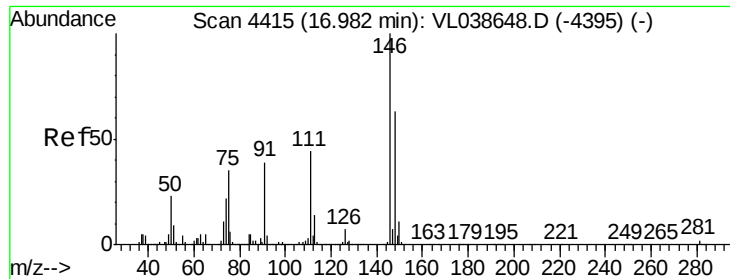
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

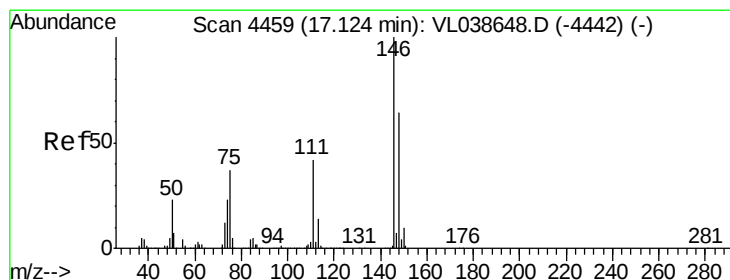
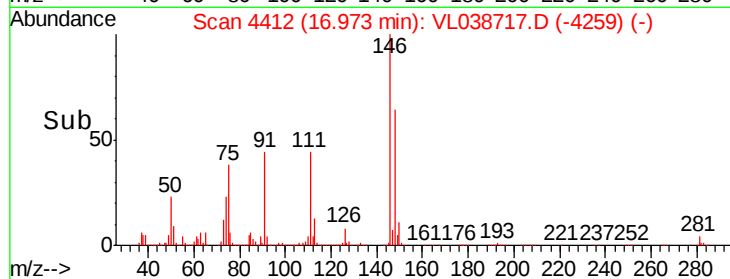
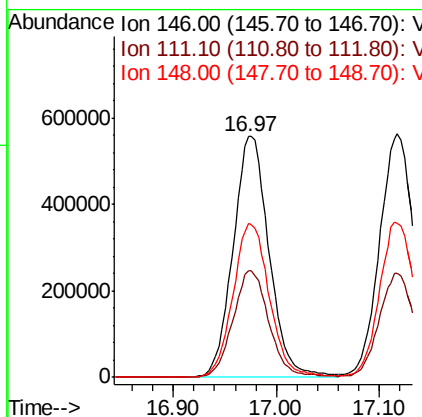
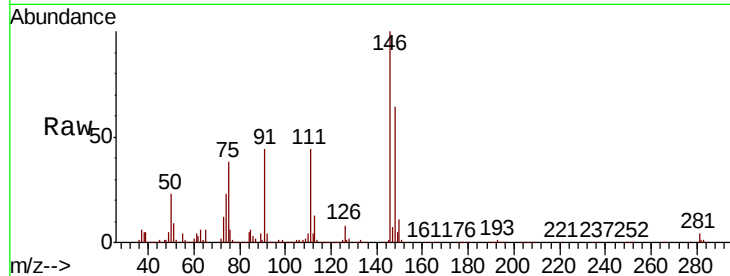
Ion 77.10 (76.80 to 77.80): VL0





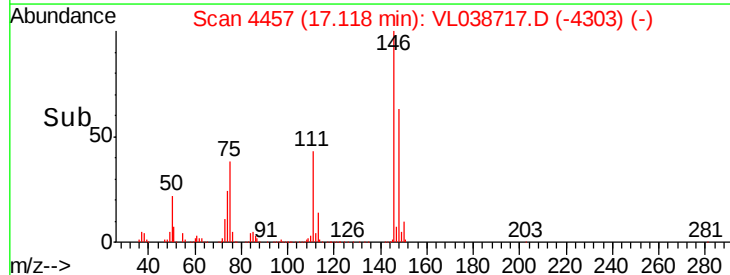
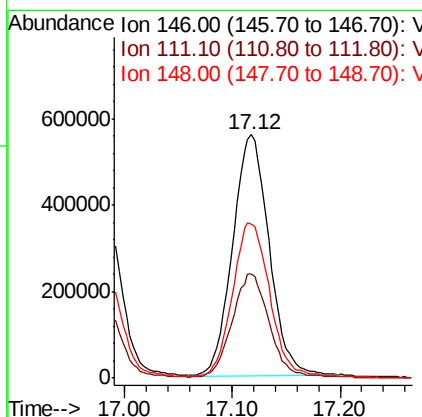
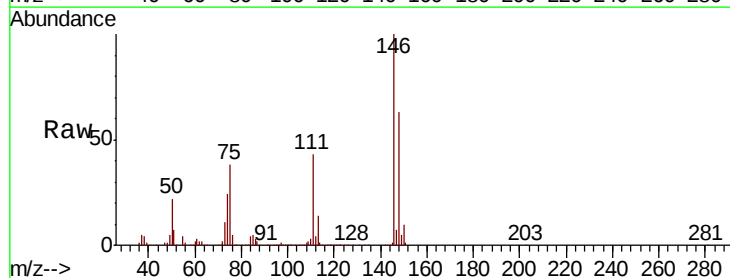
#75
 1,3-Dichlorobenzene
 Concen: 7.893 ppbv
 RT: 16.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 15:44

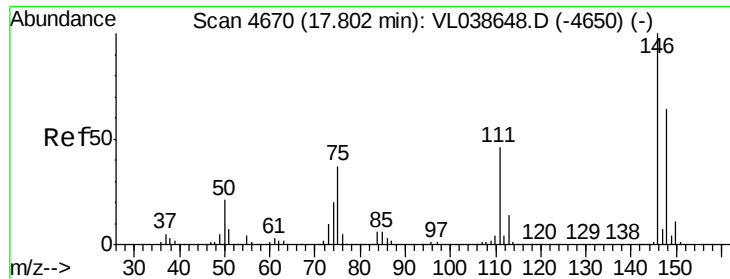
Tot Ion:146 Resp: 1354087
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.2 66.6
 148 64.6 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.726 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL038717.D
 Acq: 23 Mar 2022 15:44

Tgt Ion:146 Resp: 1318216
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.4 64.2
 148 66.6 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.780 ppbv

RT: 17.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 15:44

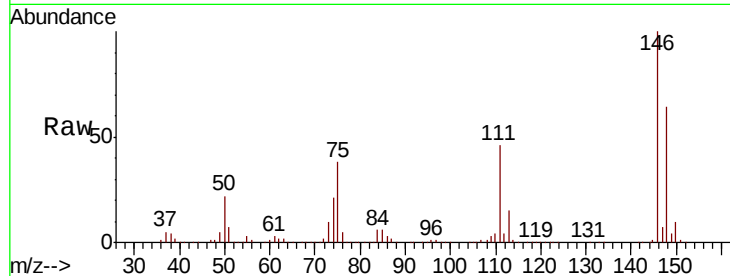
Tot Ion:146 Resp: 1322298

Ion Ratio Lower Upper

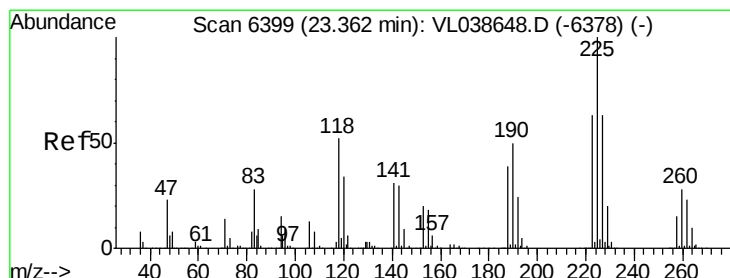
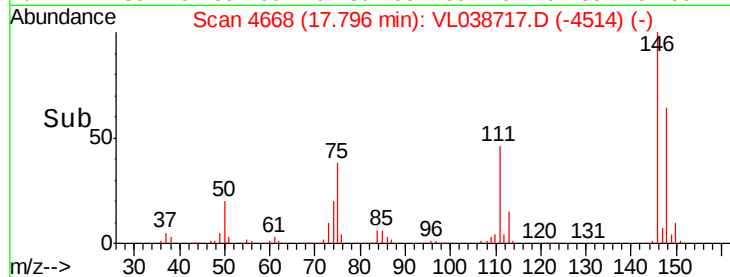
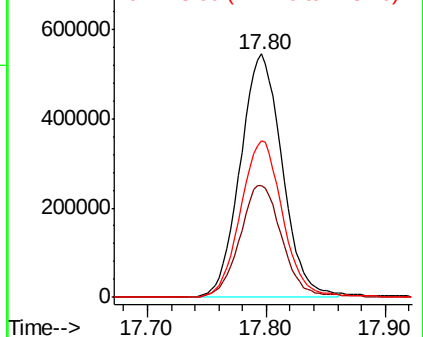
146 100

111 46.7 22.8 68.4

148 65.8 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: 7.644 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

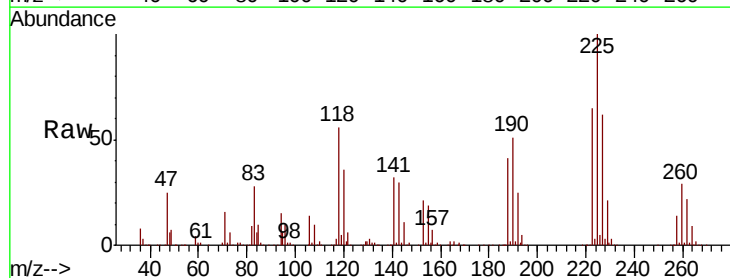
Tgt Ion:225 Resp: 1200722

Ion Ratio Lower Upper

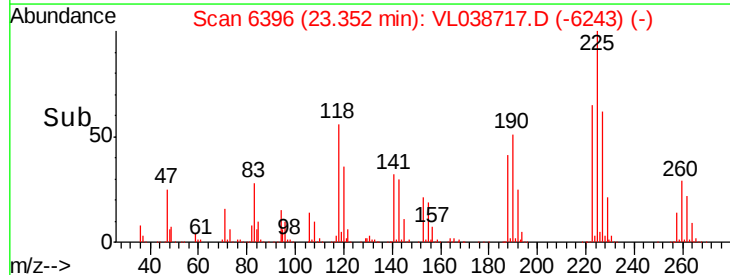
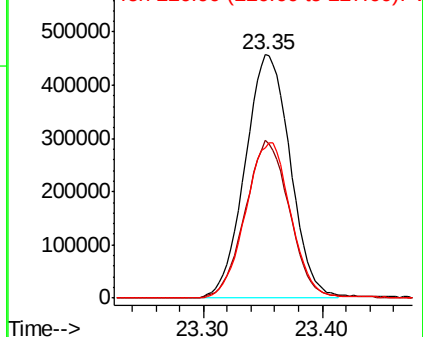
225 100

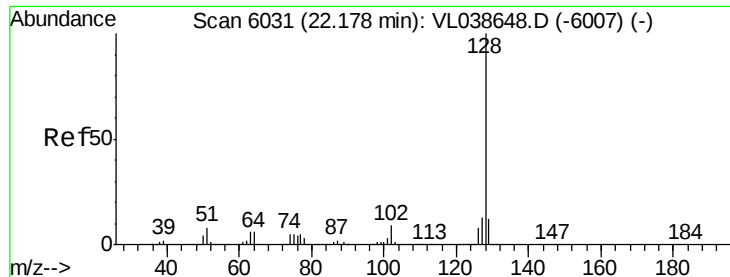
223 63.8 51.0 76.6

227 64.7 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: 10.764 ppbv

RT: 22.17

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Mar 2022 15:44

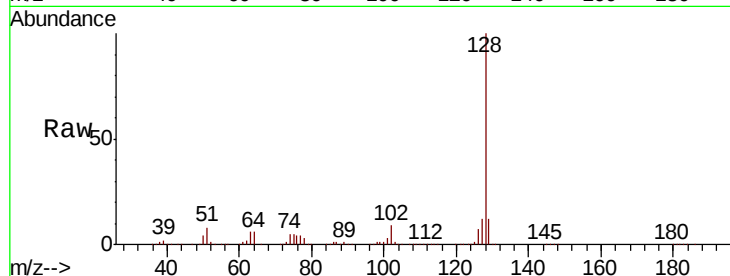
Tot Ion:128 Resp: 2215093

Ion Ratio Lower Upper

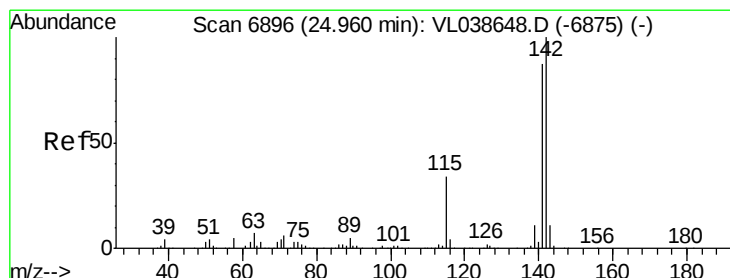
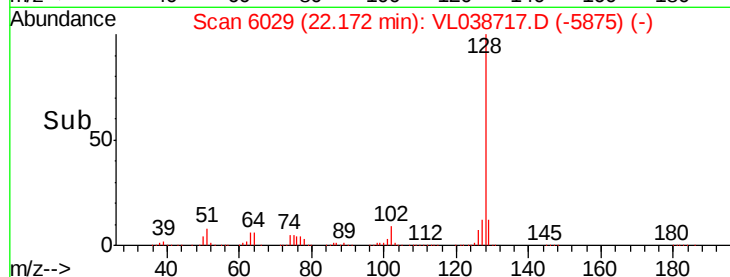
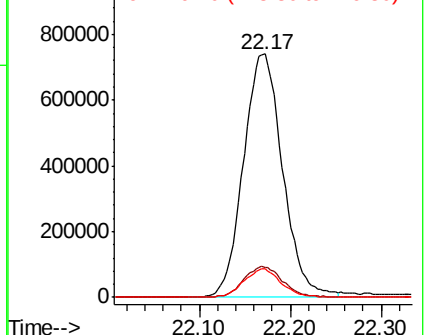
128 100

127 12.3 10.2 15.4

129 11.5 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: 9.185 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL038717.D

Acq: 23 Mar 2022 15:44

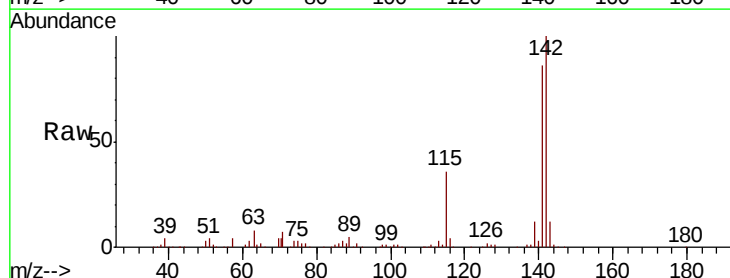
Tgt Ion:142 Resp: 506820

Ion Ratio Lower Upper

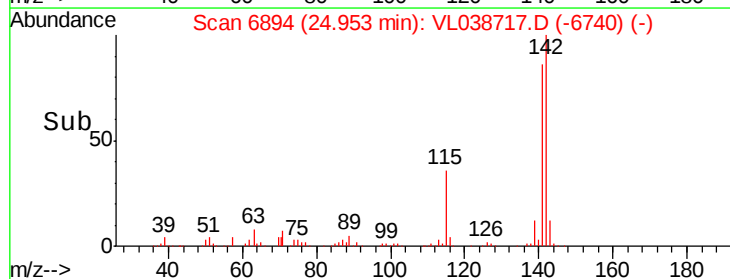
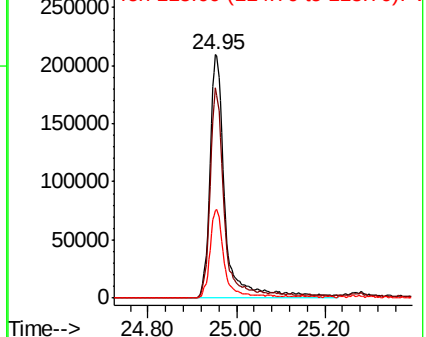
142 100

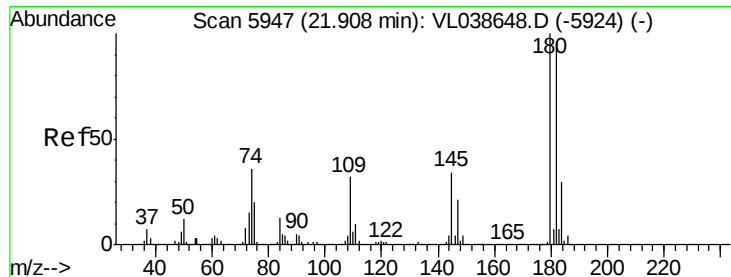
141 81.0 66.4 99.6

115 33.7 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: 8.990 ppbv

RT: 21.90 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 15.44

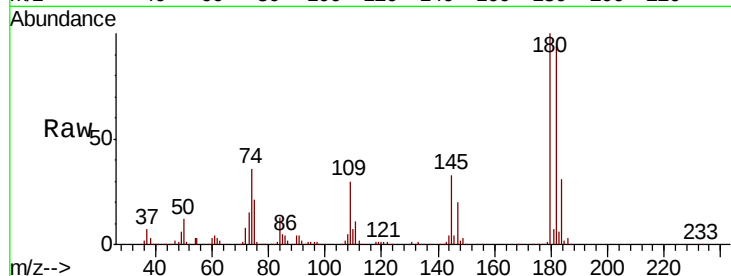
Tot Ion:180 Resp: 1266460

Ion Ratio Lower Upper

180 100

182 99.1 79.2 118.8

184 31.4 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

