

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032122\
 Data File : VL038657.D
 Acq On : 21 Mar 2022 19:34
 Operator : SY/AP
 Sample : VL0321ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0321ABS01

Quant Time: Mar 31 07:33:32 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	5.66	49	940912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2478861	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2860916	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1798862	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1113515	8.804	ppbv 100
3) Chlorodifluoromethane	2.99	51	927385	9.332	ppbv 100
4) Chloromethane	3.14	50	515550	9.449	ppbv 97
5) Vinyl Chloride	3.26	62	505403	9.117	ppbv 96
6) Bromomethane	3.47	94	286392	9.690	ppbv 100
7) Chloroethane	3.56	64	175188	9.546	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	1197874	9.485	ppbv 100
9) Propene	3.02	41	453109	9.444	ppbv 99
10) Heptane	8.12	43	1168277	10.187	ppbv 100
11) Trichlorofluoromethane	3.95	101	1082314	9.695	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	789591	9.188	ppbv 100
13) Ethanol	3.61	45	32142	6.073	ppbv 84
14) Bromoethene	3.74	108	374002	9.793	ppbv 99
15) Acetone	3.85	43	749859	9.236	ppbv 99
16) 1,3-Butadiene	3.33	39	447153	9.705	ppbv 98
17) tert-Butyl alcohol	4.28	59	666673	9.402	ppbv 99
18) 1,1-Dichloroethene	4.29	96	359331	9.308	ppbv 98
19) Isopropyl Alcohol	3.96	45	423584	9.410	ppbv 99
20) Methylene Chloride	4.34	84	293467	8.582	ppbv 98
21) Allyl Chloride	4.41	41	555669	9.510	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	370363	9.249	ppbv 100
23) Vinyl Acetate	5.07	43	797244	10.141	ppbv 99
24) 1,1-Dichloroethane	5.01	63	684654	8.843	ppbv 100
25) Ethyl Acetate	5.67	43	2013804	9.853	ppbv 100
26) Hexane	5.68	57	877751	9.593	ppbv 99
27) Carbon Disulfide	4.55	76	899930	10.026	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	615707	9.033	ppbv 100
29) Chloroform	5.75	83	1396026	9.529	ppbv 99
30) Cyclohexane	7.13	84	768208	9.656	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	872080	10.136	ppbv 94
32) 1,1,1-Trichloroethane	6.51	97	1342964	9.499	ppbv 100
34) 2-Butanone	5.24	43	1213252	12.366	ppbv 98
35) Carbon Tetrachloride	7.02	117	1410856	9.809	ppbv 97
36) Benzene	6.89	78	1872772	9.789	ppbv 98
37) 1,2-Dichloroethane	6.30	62	954246	9.805	ppbv 99
38) Trichloroethene	7.83	130	788267	9.836	ppbv 98
39) 1,2-Dichloropropane	7.61	63	725956	9.706	ppbv 99
40) 1,4-Dioxane	7.83	88	241209	9.287	ppbv # 1
41) Tetrahydrofuran	6.04	42	745430	10.208	ppbv 98
42) Bromodichloromethane	7.79	83	1474050	10.103	ppbv 100
43) Methyl Methacrylate	8.01	69	761069	10.715	ppbv 100

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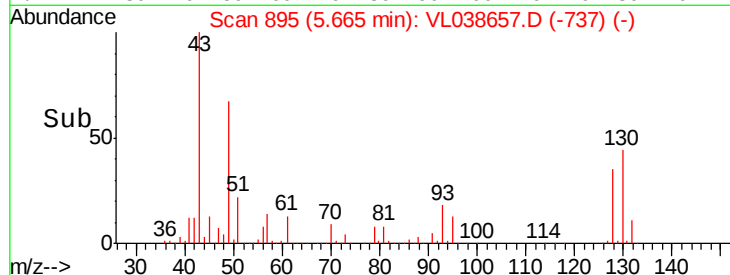
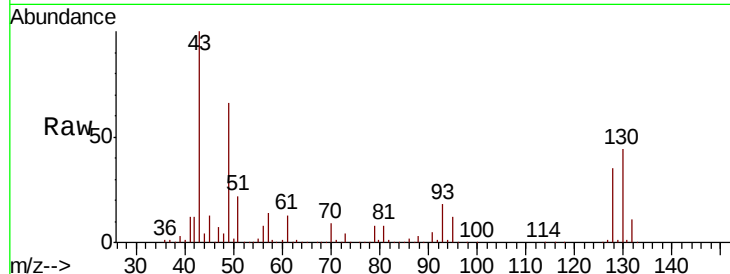
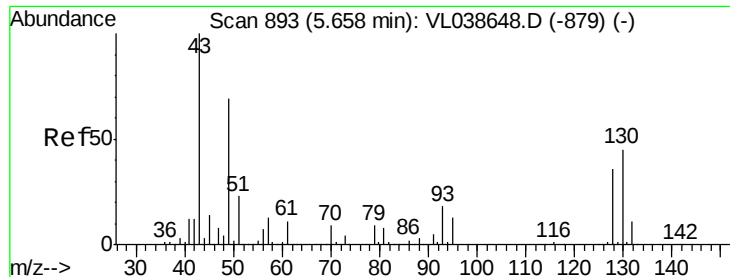
Instrument :
 MSVOA_L
 ClientSampleId :
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Quant Time: Mar 31 07:33:32 2022
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3119391	9.711	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	845966	11.714	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1068838	10.945	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	763317	9.559	ppbv	98
48) Dibromochloromethane	10.30	129	1309193	10.467	ppbv	100
49) Bromoform	13.03	173	1069371	10.490	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1894776	10.388	ppbv	100
51) 2-Hexanone	10.12	43	1447424	11.048	ppbv #	100
52) Tetrachloroethene	11.22	164	672337	9.603	ppbv	97
53) Toluene	9.80	91	2150980	10.464	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1108364	10.166	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	904854	7.629	ppbv	98
57) Chlorobenzene	12.14	112	1570336	7.610	ppbv	99
58) Ethyl Benzene	12.70	91	2742677	8.200	ppbv	100
59) m/p-Xylene	12.99	91	2555147	8.734	ppbv #	43
60) o-Xylene	13.68	91	2208507	7.951	ppbv	100
61) Styrene	13.52	104	1335810	8.868	ppbv	99
62) Isopropylbenzene	14.66	105	3242716	7.765	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1473112	6.846	ppbv	100
64) n-propylbenzene	15.55	120	876261	7.996	ppbv	100
65) tert-Butylbenzene	16.74	119	2844838	7.581	ppbv	100
66) Benzyl Chloride	16.98	91	652937	9.189	ppbv	99
67) sec-Butylbenzene	17.29	105	4098578	7.637	ppbv	100
69) p-Isopropyltoluene	17.64	119	3416600	7.801	ppbv	100
70) n-Butylbenzene	18.54	91	3580192	7.925	ppbv	100
71) 2-Chlorotoluene	15.45	91	2390307	7.712	ppbv	99
72) 4-Ethyltoluene	15.83	105	2709911	8.264	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2377001	7.955	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	2507893	7.706	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	1554872	7.500	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1512453	7.336	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	1542247	7.510	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1338747	7.053	ppbv	99
79) Naphthalene	22.18	128	2553988	10.271	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	538390	8.074	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1441163	8.466	ppbv	99

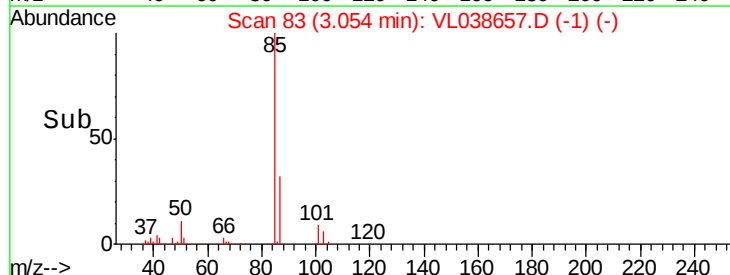
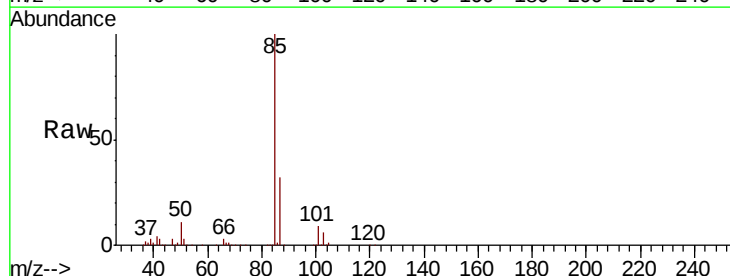
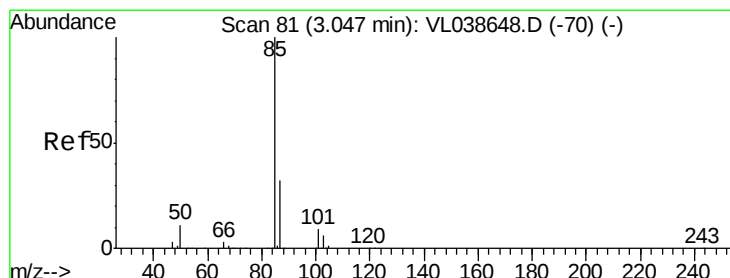
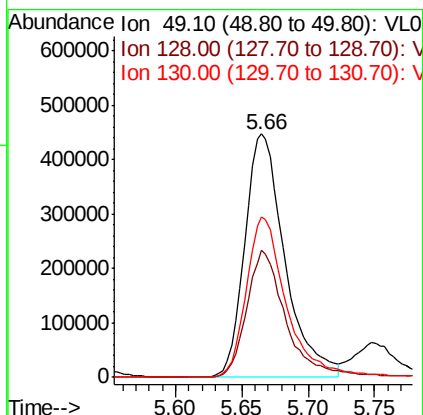
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[illegible]

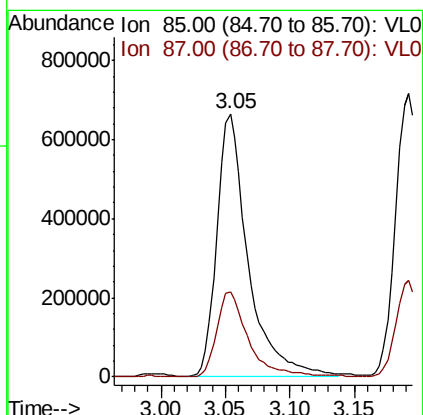


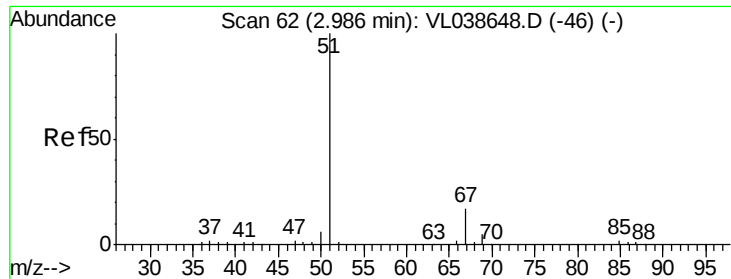
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0321ABS01
Acq: 21 Mar 2022 19:34

Tot Ion: 49 Resp: 940912
Ion Ratio Lower Upper
49 100
128 52.1 26.2 78.6
130 67.1 33.7 101.1



#2
Dichlorodifluoromethane
Concen: 8.804 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34
Tgt Ion: 85 Resp: 1113515
Ion Ratio Lower Upper
85 100
87 32.3 26.0 39.0





#3

Chlorodifluoromethane

Concen: 9.332 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0321ABS01

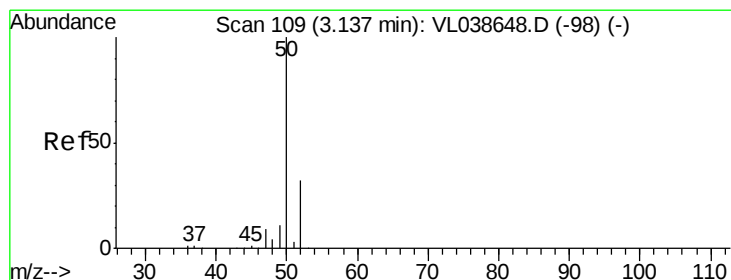
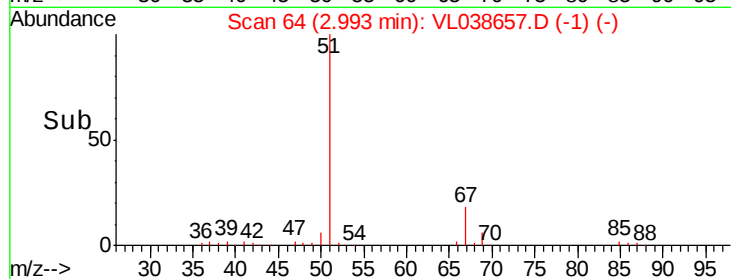
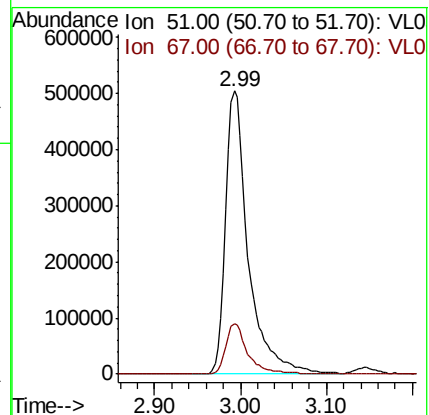
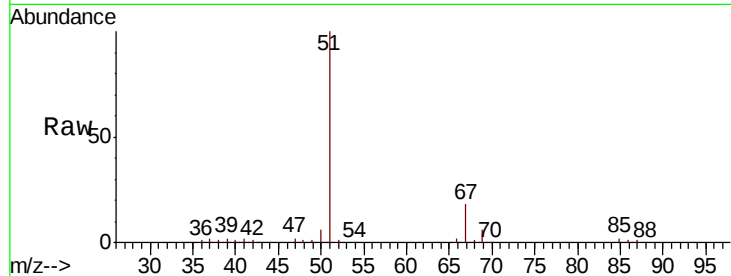
Acq: 21 Mar 2022 19:34

Tot Ion: 51 Resp: 927385

Ion Ratio Lower Upper

51 100

67 17.4 14.1 21.1



#4

Chloromethane

Concen: 9.449 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038657.D

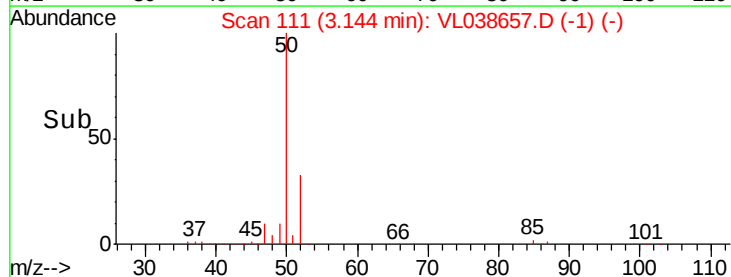
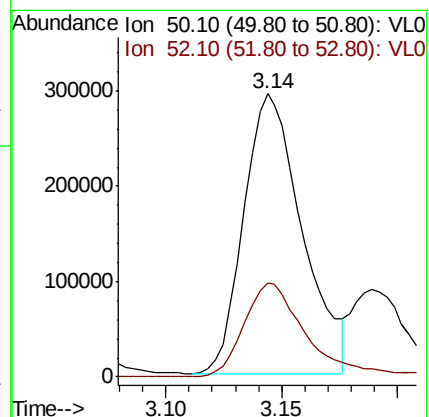
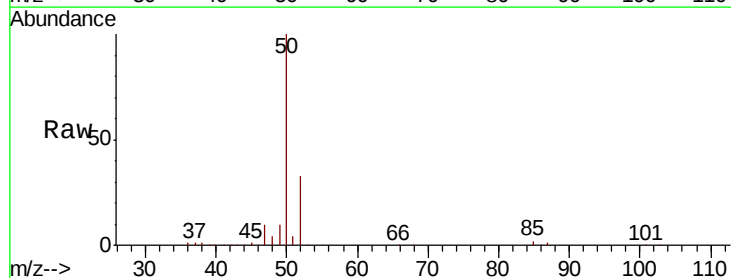
Acq: 21 Mar 2022 19:34

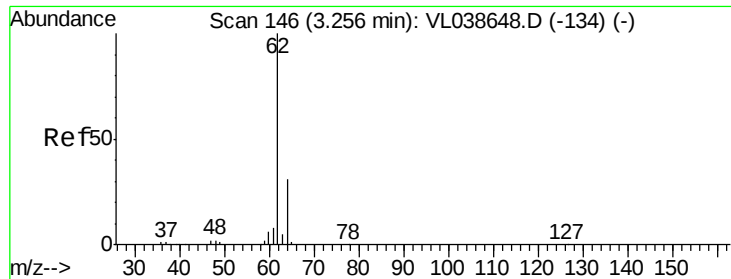
Tgt Ion: 50 Resp: 515550

Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3





#5

Vinyl Chloride

Concen: 9.117 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

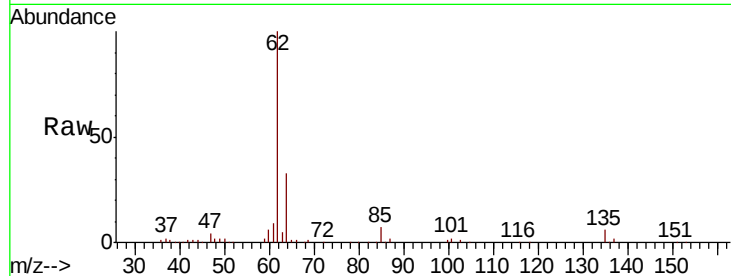
Acq: 21 Mar 2022 19:34 VL0321ABS01

Tot Ion: 62 Resp: 505403

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

250000

200000

150000

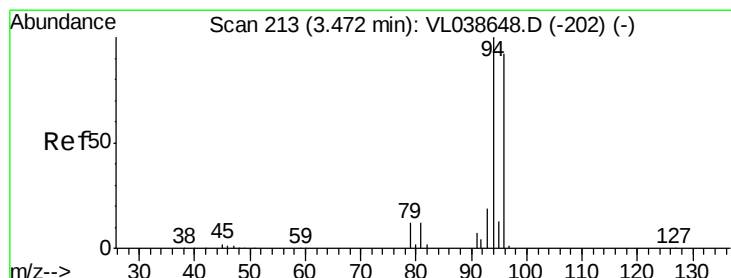
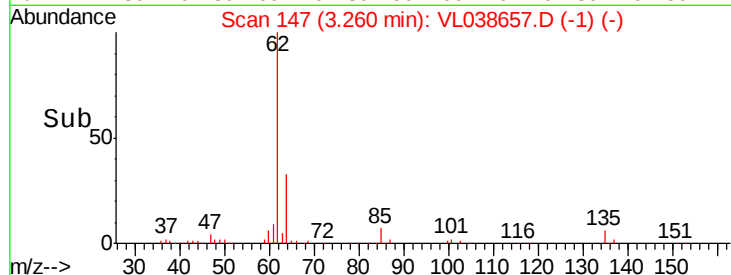
100000

50000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.690 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL038657.D

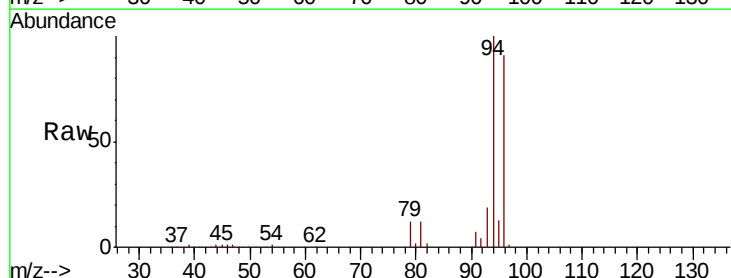
Acq: 21 Mar 2022 19:34

Tgt Ion: 94 Resp: 286392

Ion Ratio Lower Upper

94 100

96 91.2 73.3 109.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

150000

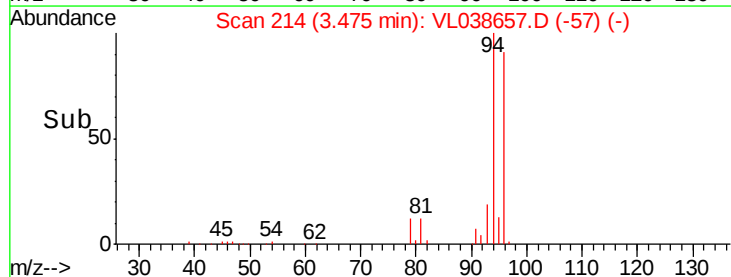
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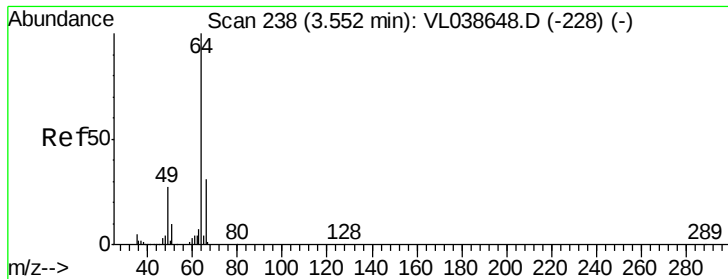
50000

0

3.40 3.45 3.50 3.55 3.60

Time-->





#7

Chloroethane

Concen: 9.546 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

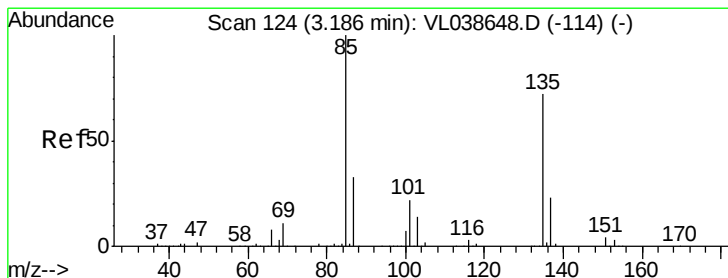
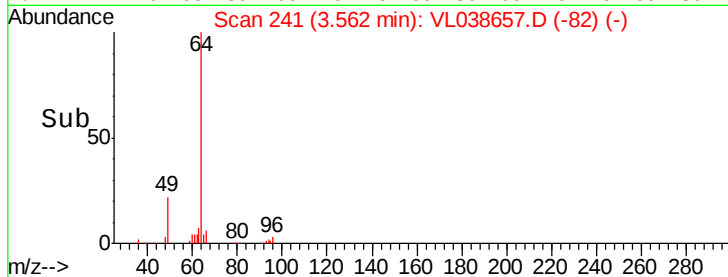
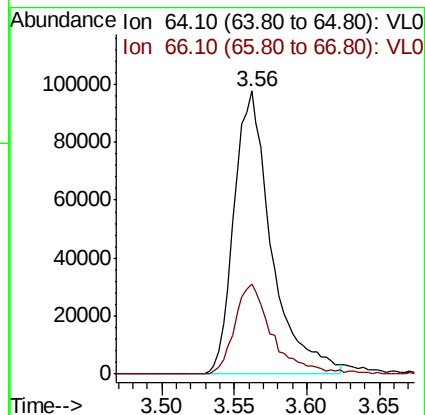
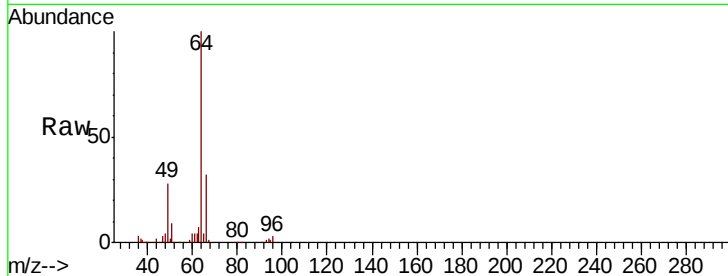
Acq: 21 Mar 2022 19:34 VL0321ABS01

Tot Ion: 64 Resp: 175188

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 9.485 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL038657.D

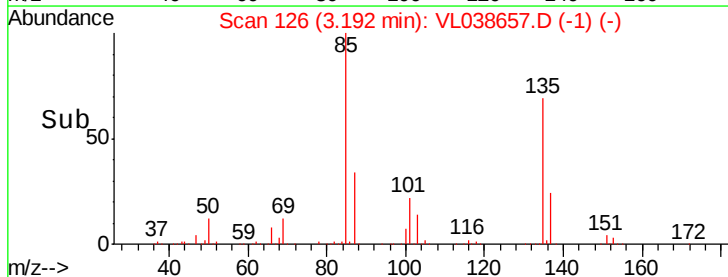
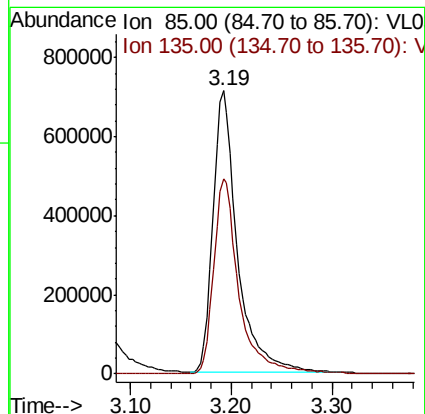
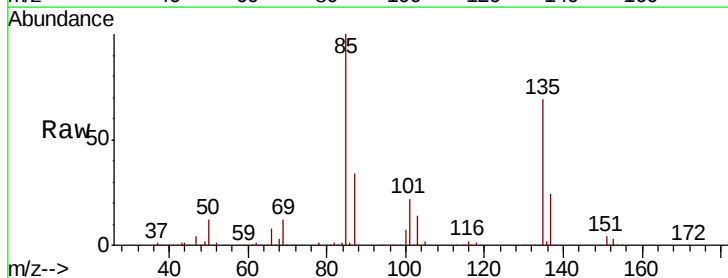
Acq: 21 Mar 2022 19:34

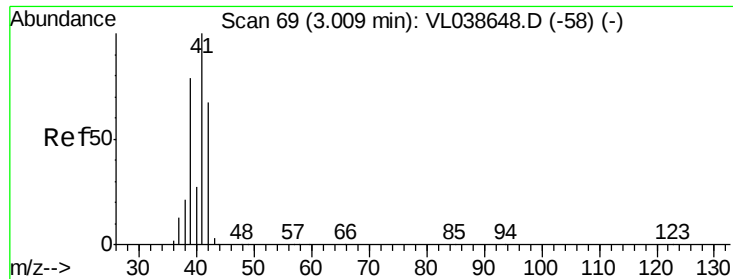
Tgt Ion: 85 Resp: 1197874

Ion Ratio Lower Upper

85 100

135 72.5 57.8 86.6





#9

Propene

Concen: 9.444 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: VL0321ABS01 ClientSampleId:

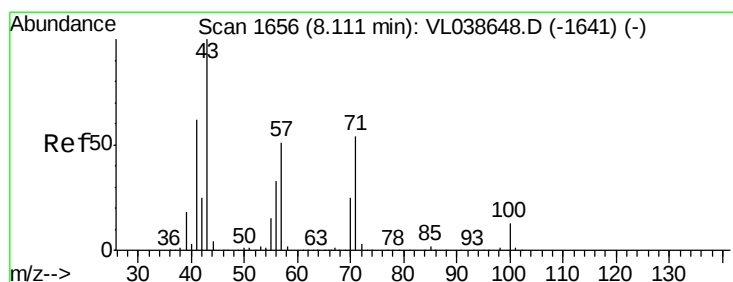
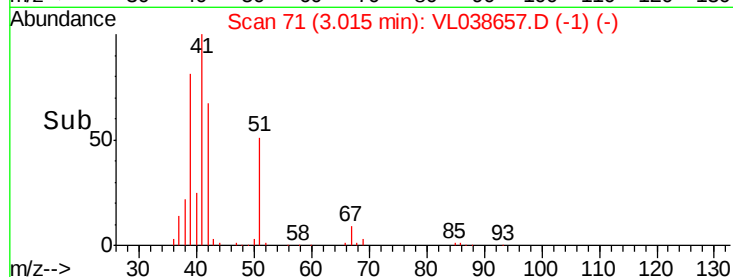
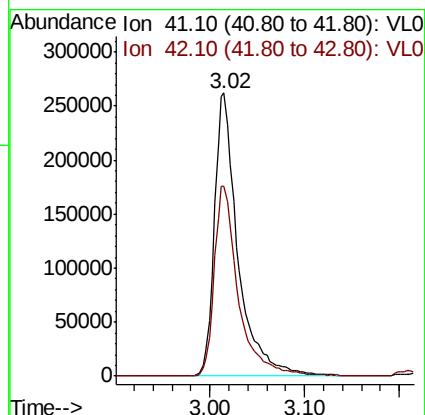
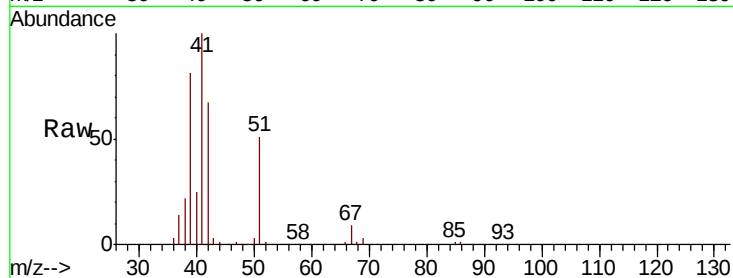
Acq: 21 Mar 2022 19:34

Tot Ion: 41 Resp: 453109

Ion Ratio Lower Upper

41 100

42 69.1 56.2 84.4



#10

Heptane

Concen: 10.187 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VL038657.D

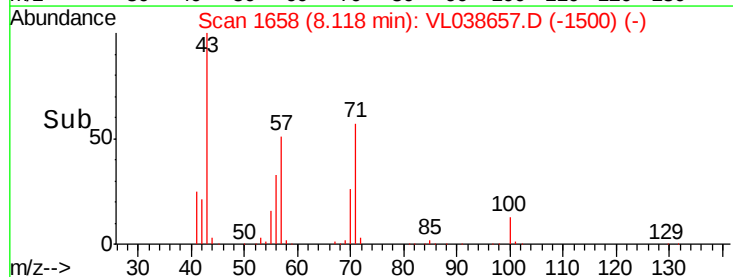
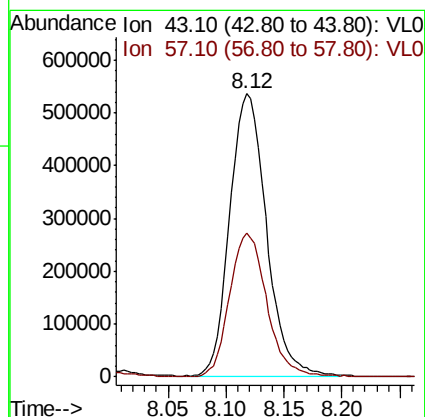
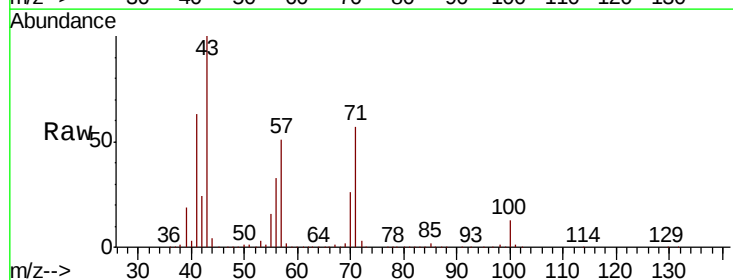
Acq: 21 Mar 2022 19:34

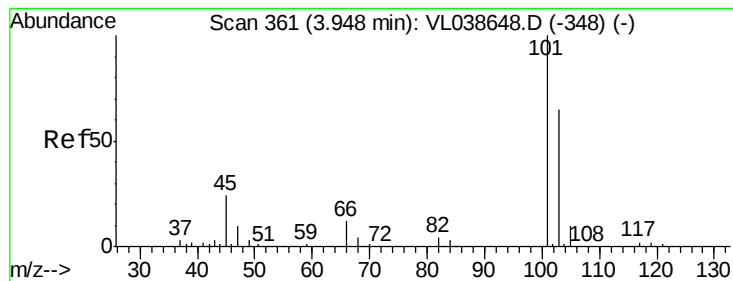
Tgt Ion: 43 Resp: 1168277

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.2





#11

Trichlorofluoromethane

Concen: 9.695 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

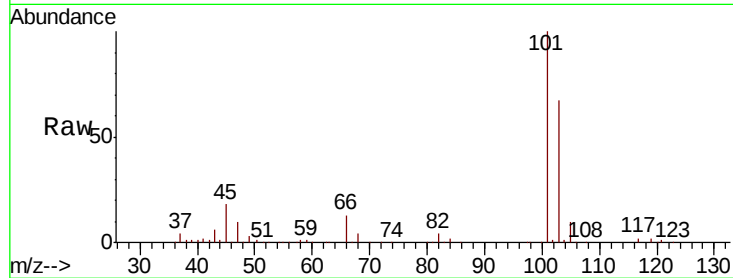
Acq: 21 Mar 2022 19:34

Tot Ion:101 Resp: 1082314

Ion Ratio Lower Upper

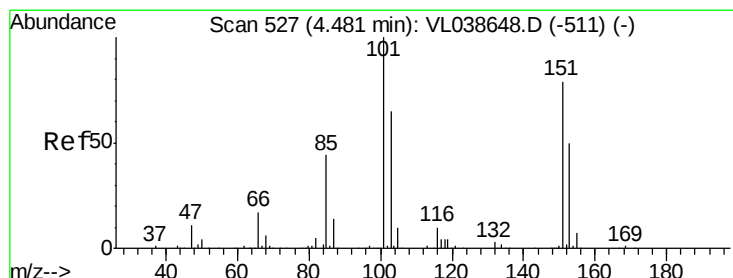
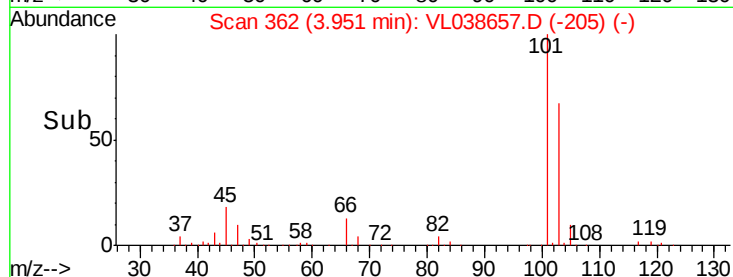
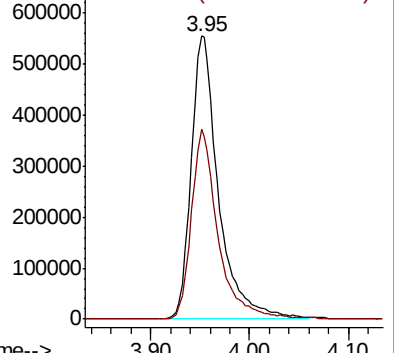
101 100

103 67.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.188 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL038657.D

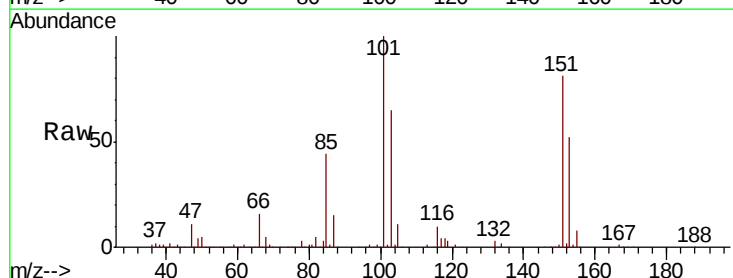
Acq: 21 Mar 2022 19:34

Tgt Ion:101 Resp: 789591

Ion Ratio Lower Upper

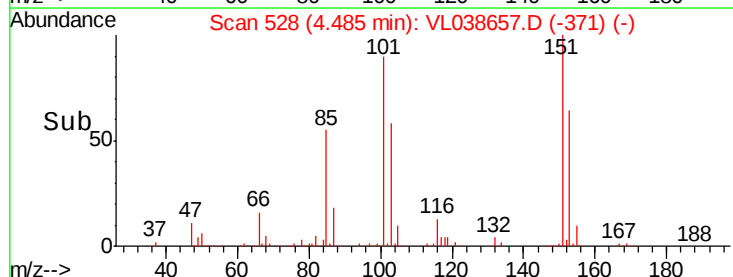
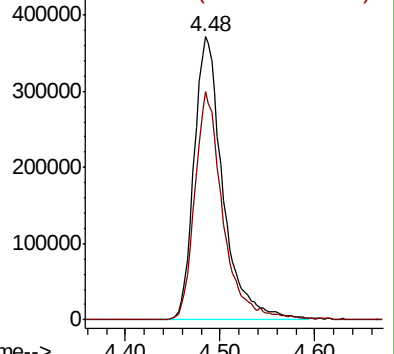
101 100

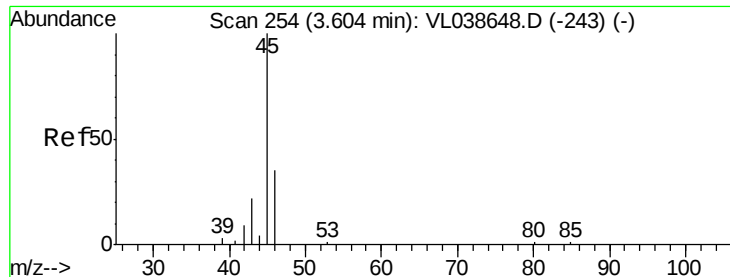
151 78.8 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

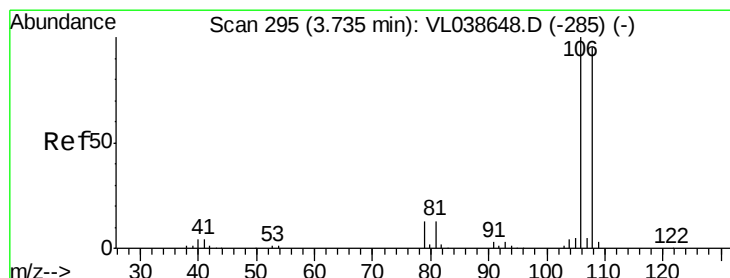
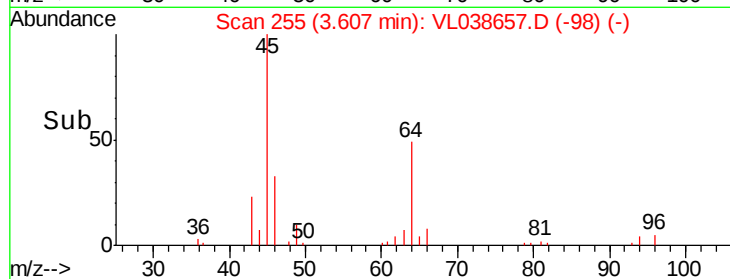
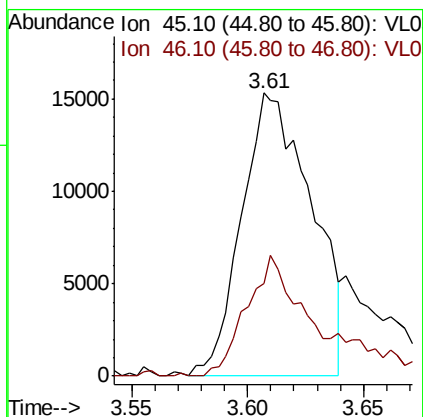
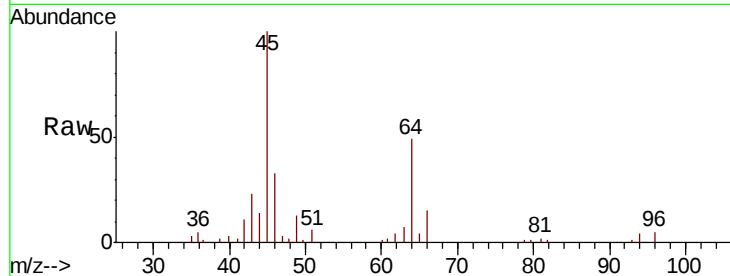
Ion 151.00 (150.70 to 151.70): V





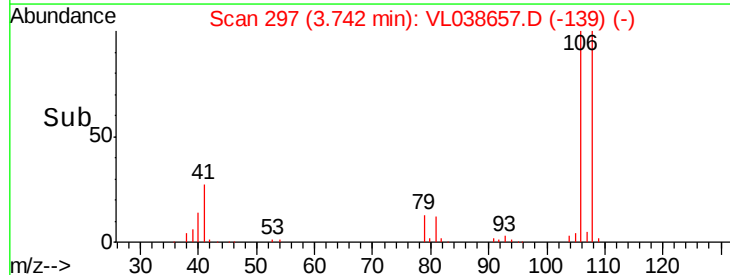
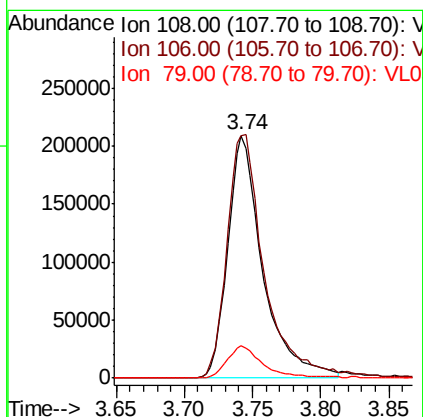
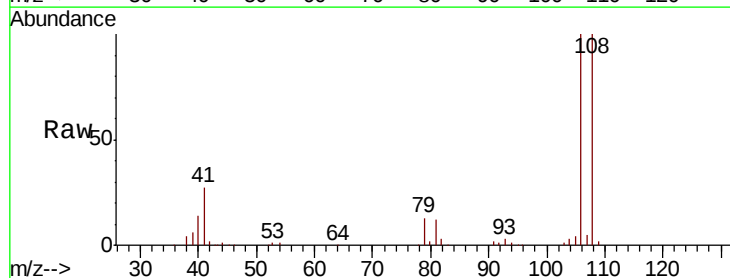
#13
Ethanol
Concen: 6.073 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0321ABS01
Acq: 21 Mar 2022 19:34

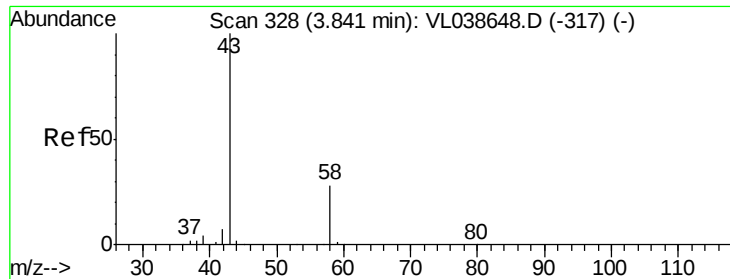
Tot Ion: 45 Resp: 32142
Ion Ratio Lower Upper
45 100
46 47.5 15.1 60.5



#14
Bromoethene
Concen: 9.793 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion:108 Resp: 374002
Ion Ratio Lower Upper
108 100
106 108.7 88.3 132.5
79 14.1 11.2 16.8





#15

Acetone

Concen: 9.236 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

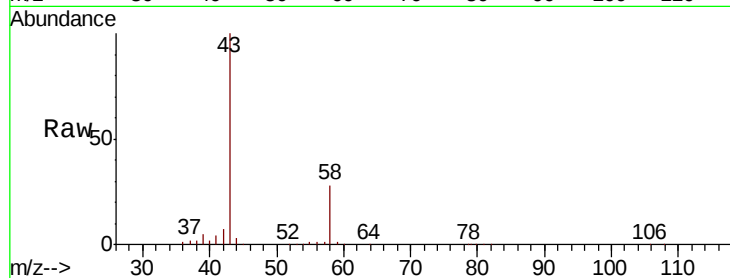
Acq: 21 Mar 2022 19:34 VL0321ABS01

Tot Ion: 43 Resp: 749859

Ion Ratio Lower Upper

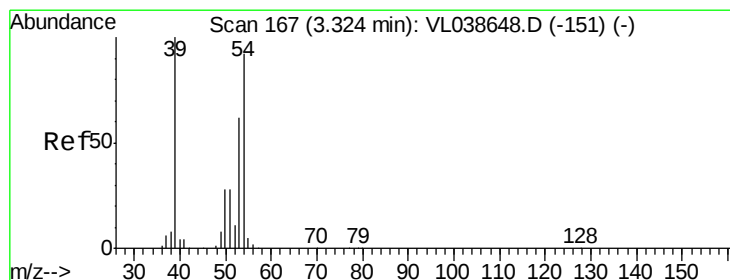
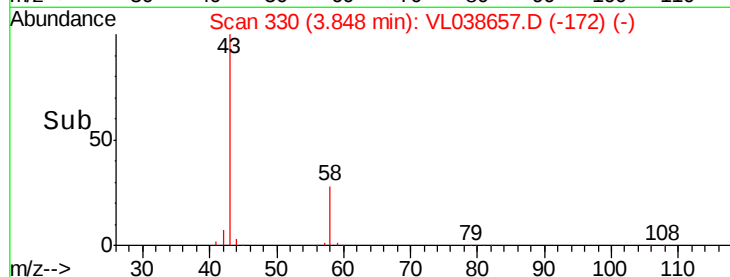
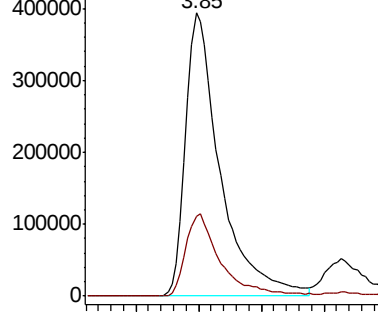
43 100

58 29.6 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: 9.705 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL038657.D

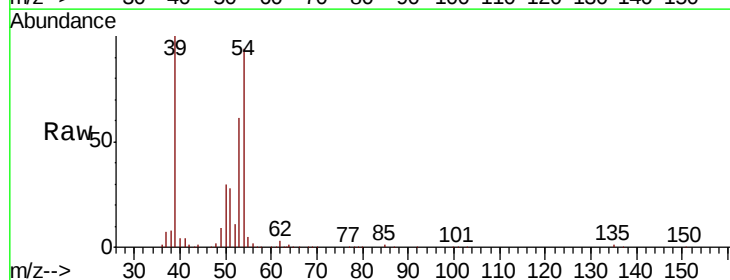
Acq: 21 Mar 2022 19:34

Tgt Ion: 39 Resp: 447153

Ion Ratio Lower Upper

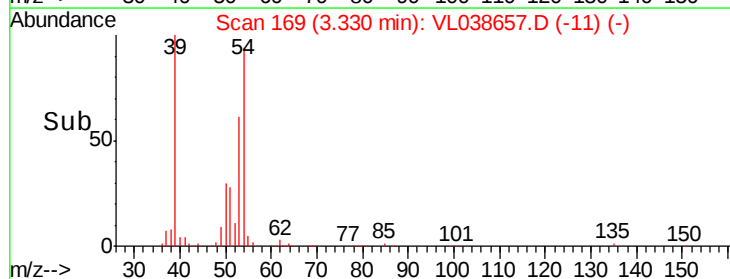
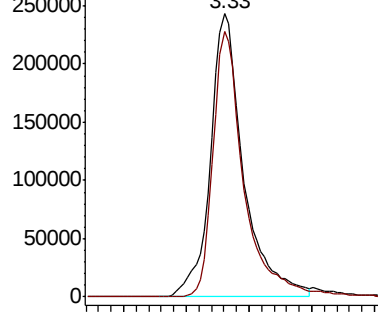
39 100

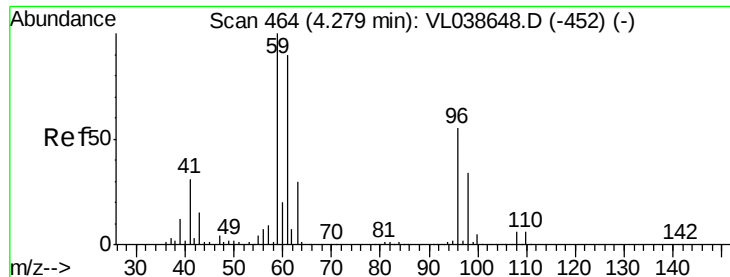
54 88.1 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.402 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

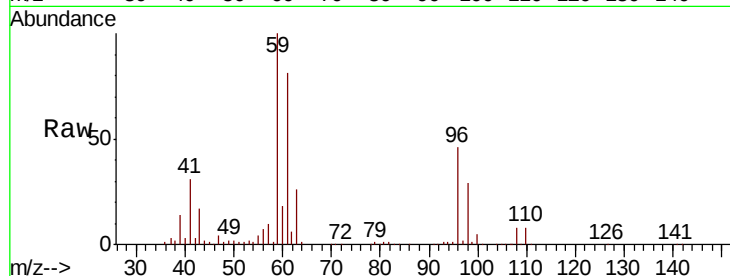
Acq: 21 Mar 2022 19:34 VL0321ABS01

Tot Ion: 59 Resp: 666673

Ion Ratio Lower Upper

59 100

57 10.6 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

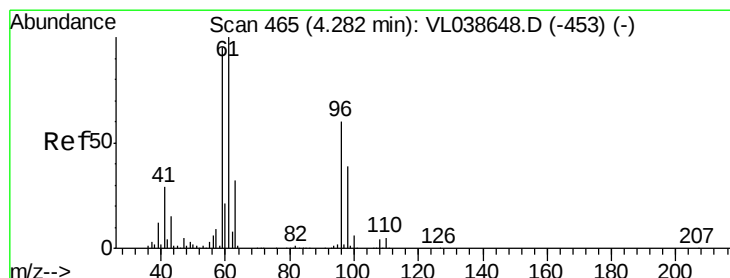
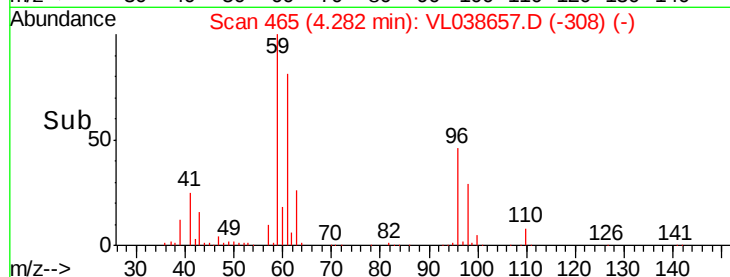
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.308 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

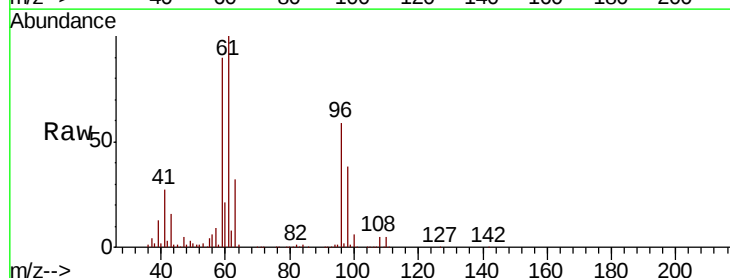
Tgt Ion: 96 Resp: 359331

Ion Ratio Lower Upper

96 100

61 169.0 132.4 198.6

98 64.3 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

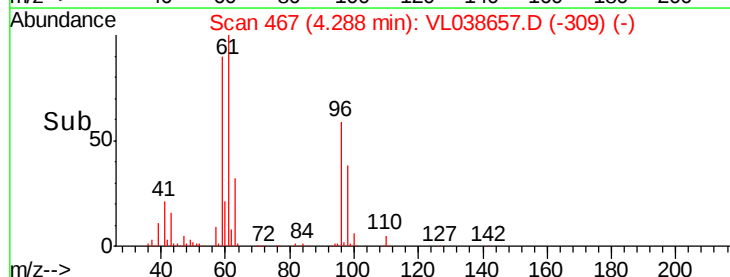
300000

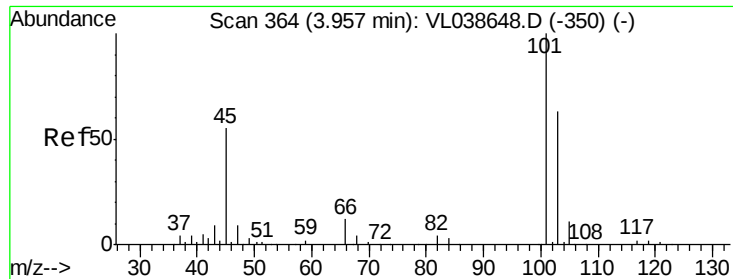
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.410 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

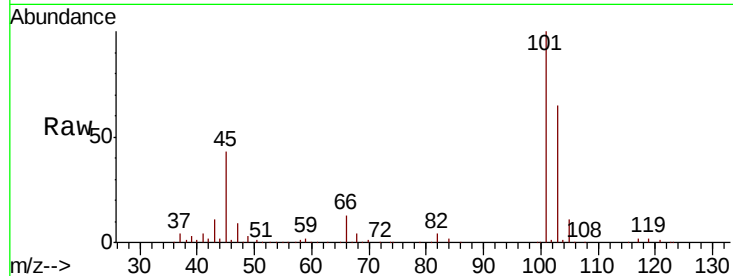
Acq: 21 Mar 2022 19:34 VL0321ABS01

Tot Ion: 45 Resp: 423584

Ion Ratio Lower Upper

45 100

58 3.2 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

200000

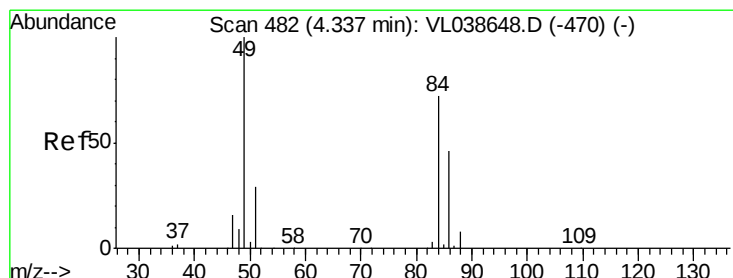
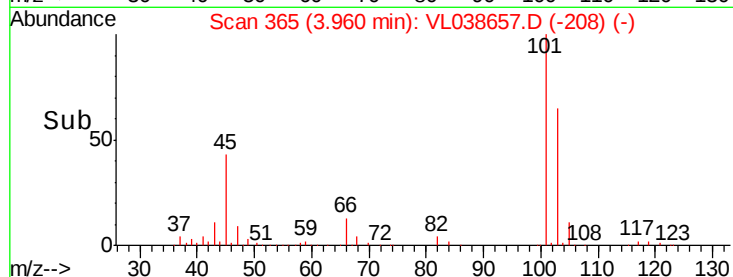
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.582 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Tgt Ion: 84 Resp: 293467

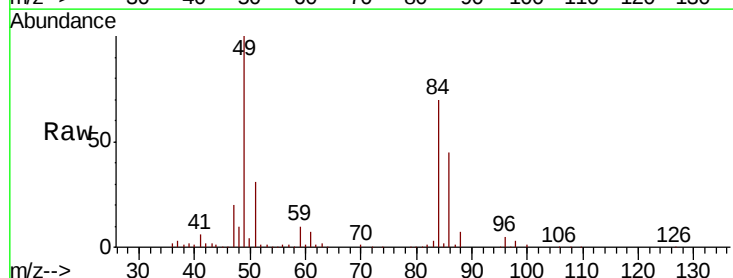
Ion Ratio Lower Upper

84 100

49 142.3 111.2 166.8

51 43.0 32.8 49.2

86 65.4 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

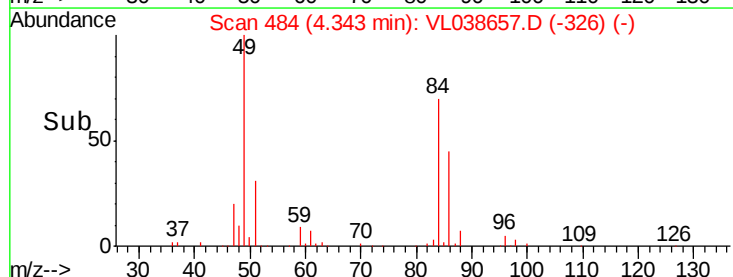
300000

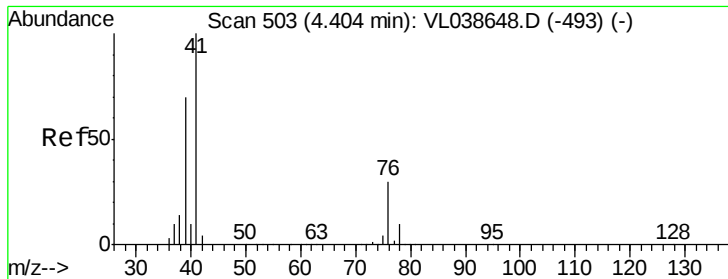
200000

100000

0

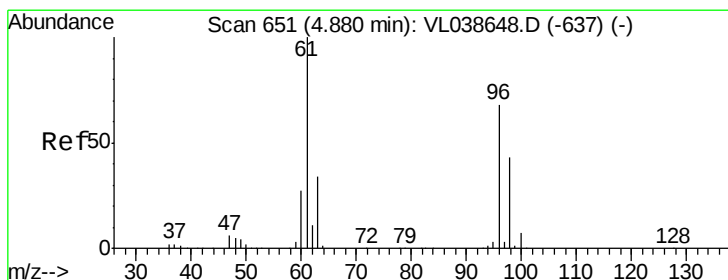
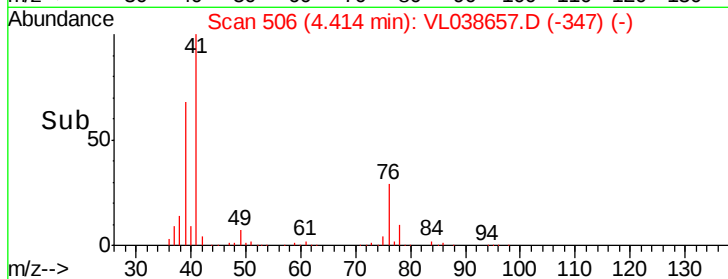
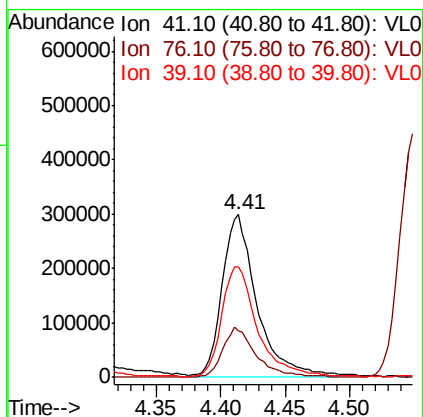
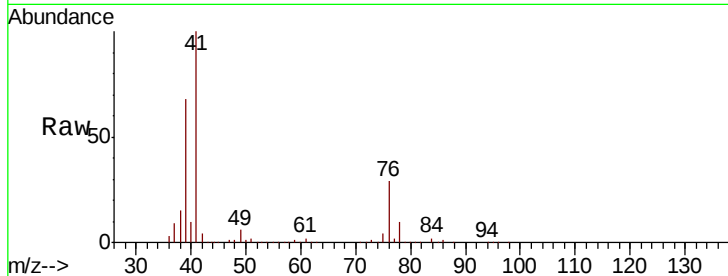
Time-->





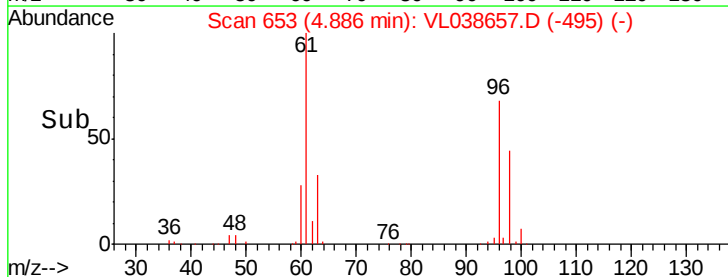
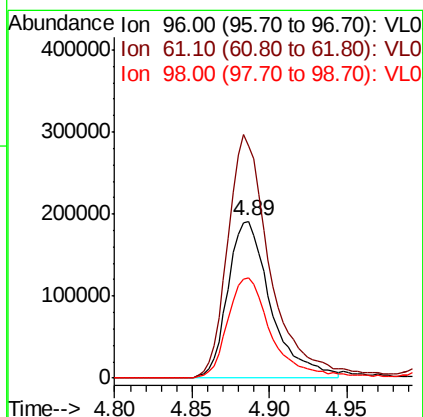
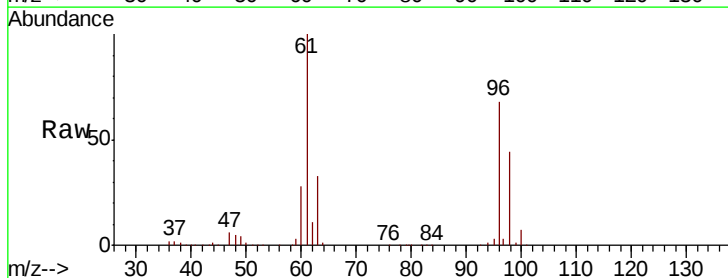
#21
 Allvl Chloride
 Concen: 9.510 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0321ABS01
 Acq: 21 Mar 2022 19:34

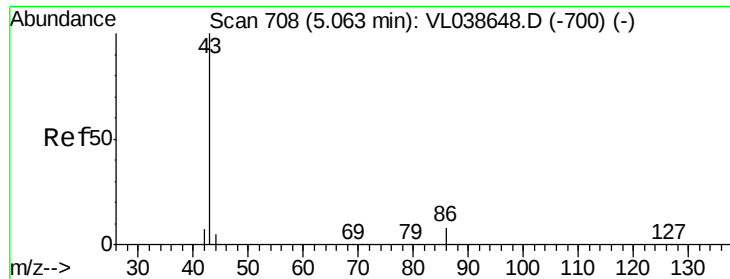
Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	25.0	37.6
39	70.0	56.6	85.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.249 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

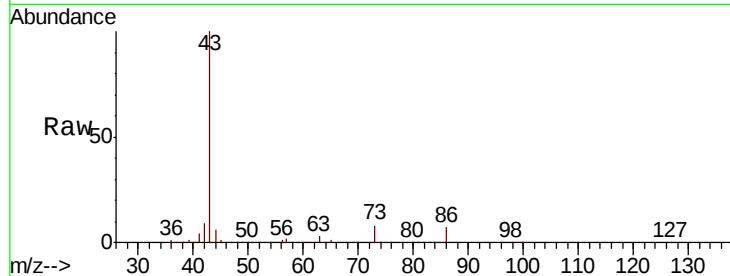
Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.3	118.3	177.5
98	64.1	51.3	76.9



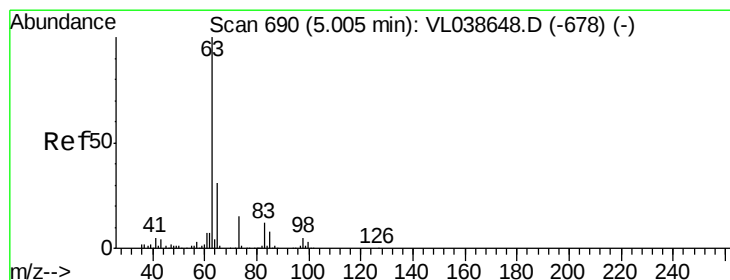
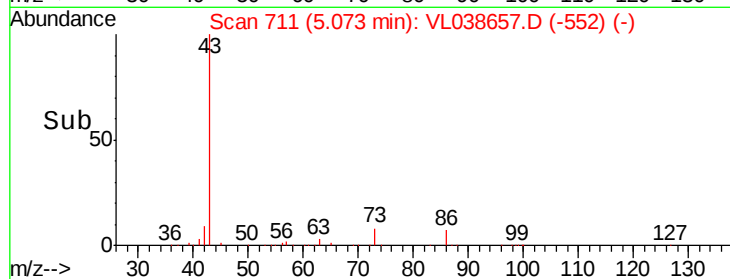
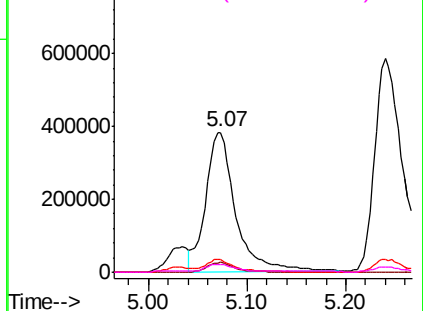


#23
 Vinyl Acetate
 Concen: 10.141 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0321ABS01
 Acq: 21 Mar 2022 19:34

Tot Ion:	43	Resp:	797244
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	8.8	6.8	10.2
44	5.4	4.2	6.2

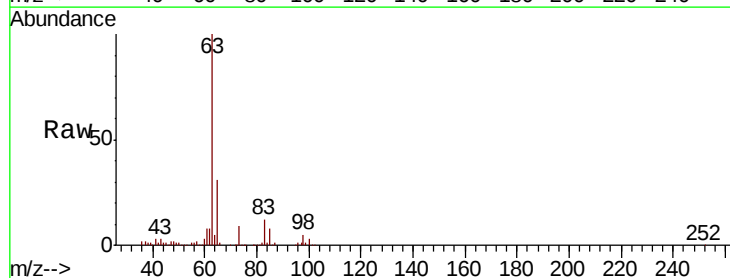


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

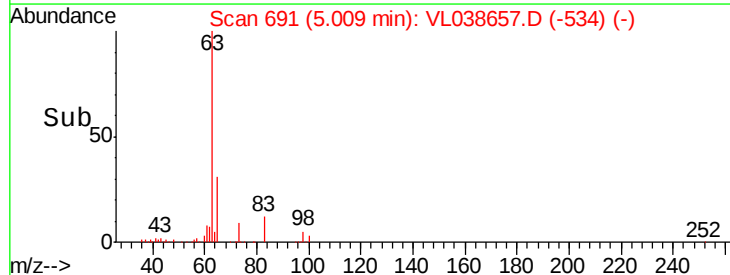
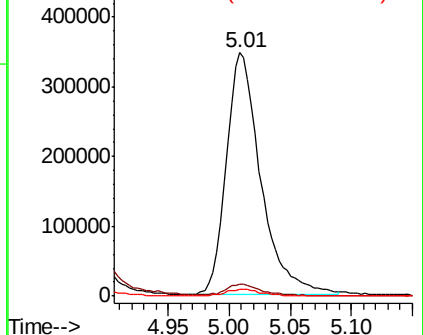


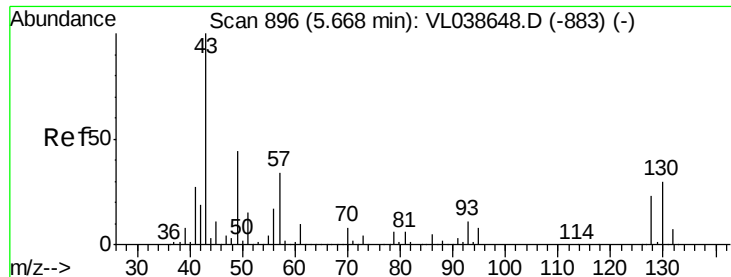
#24
 1,1-Dichloroethane
 Concen: 8.843 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion:	63	Resp:	684654
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.5
100	2.8	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

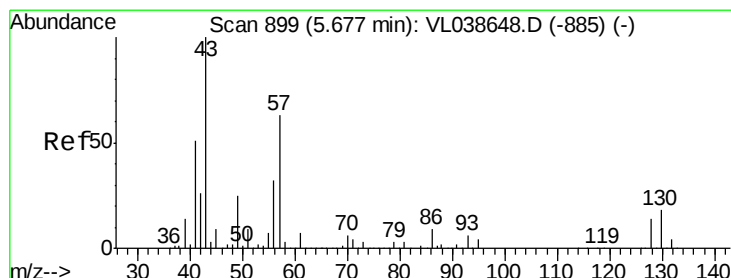
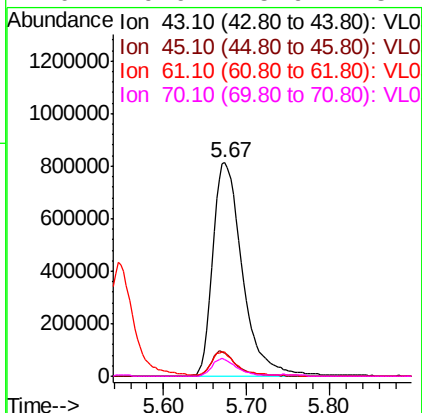
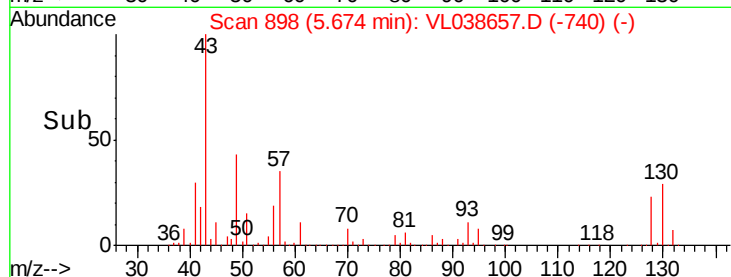
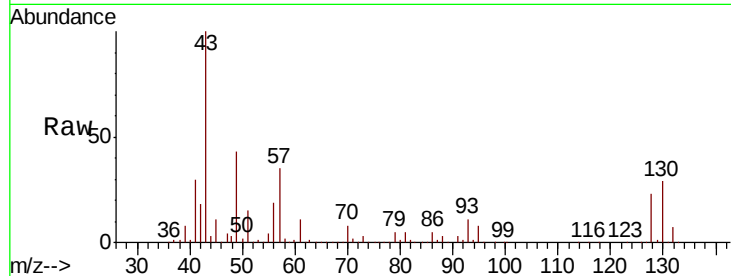




#25
Ethyl Acetate
Concen: 9.853 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0321ABS01
Acq: 21 Mar 2022 19:34

Tot Ion: 43 Resp: 2013804

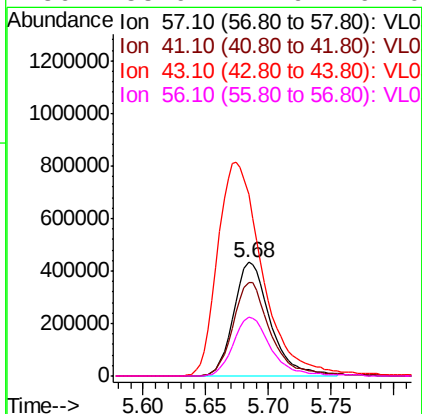
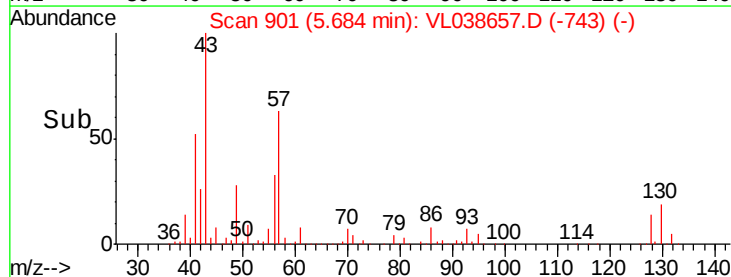
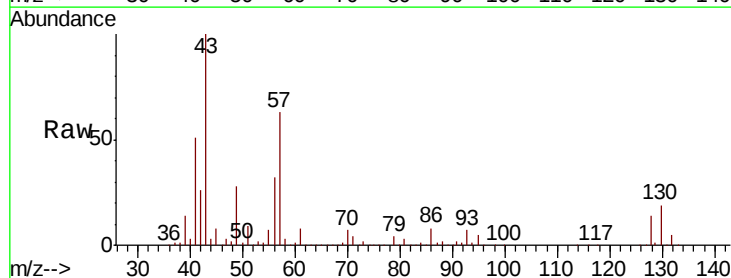
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.3	8.3	12.5
70	6.9	5.6	8.4

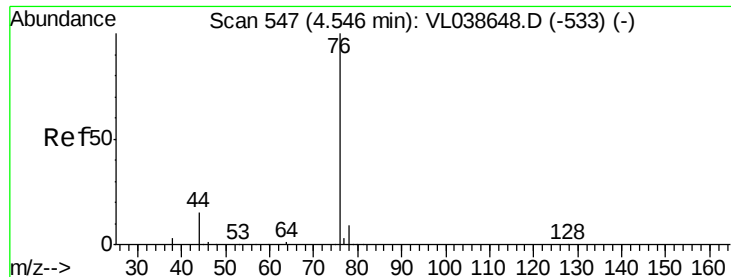


#26
Hexane
Concen: 9.593 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 57 Resp: 877751

Ion	Ratio	Lower	Upper
57	100		
41	85.2	67.0	100.4
43	231.2	184.2	276.2
56	53.9	42.6	64.0





#27

Carbon Disulfide

Concen: 10.026 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 19:34 VL0321ABS01

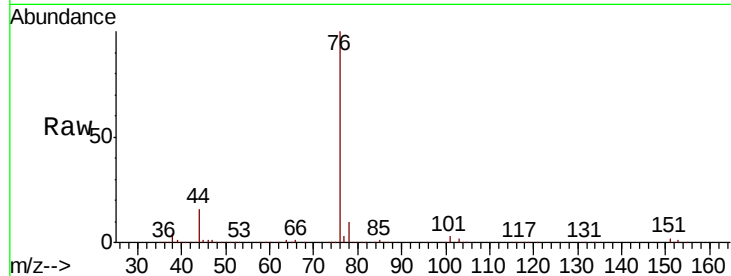
Tot Ion: 76 Resp: 899930

Ion Ratio Lower Upper

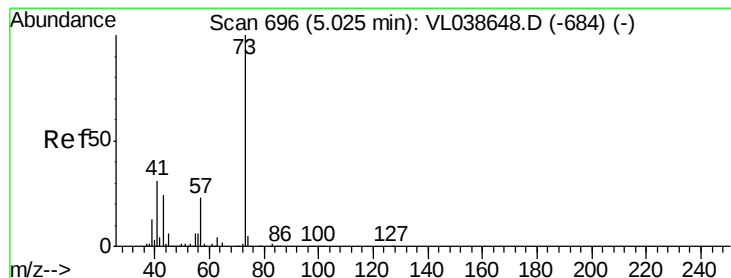
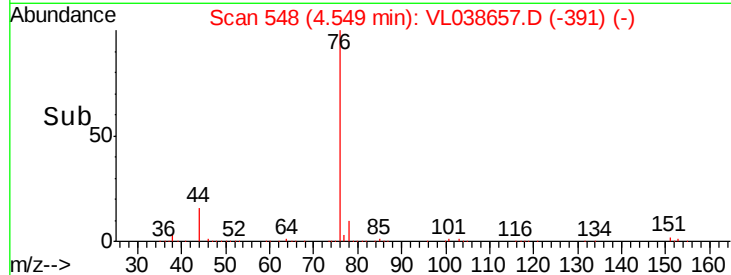
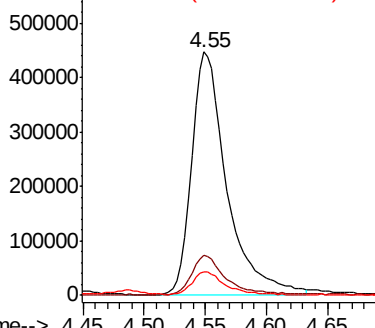
76 100

44 16.2 12.4 18.6

78 9.3 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: 9.033 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL038657.D

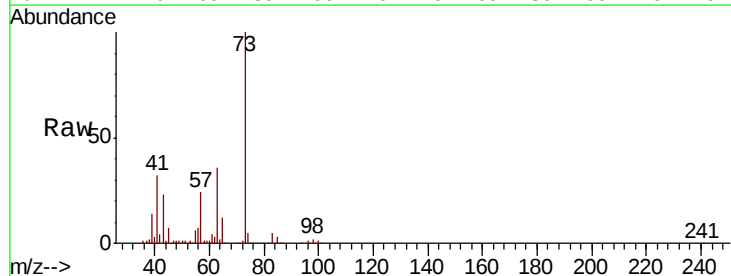
Acq: 21 Mar 2022 19:34

Tgt Ion: 73 Resp: 615707

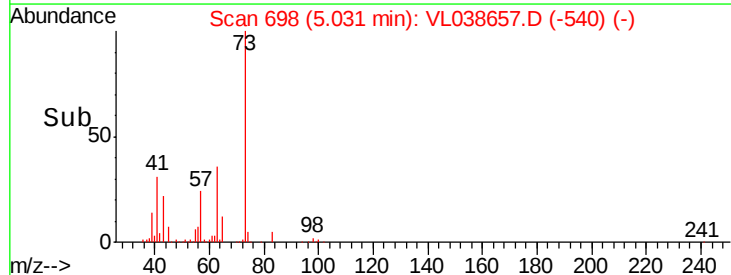
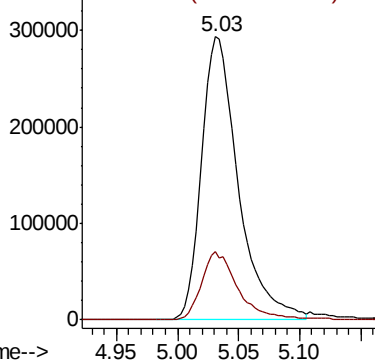
Ion Ratio Lower Upper

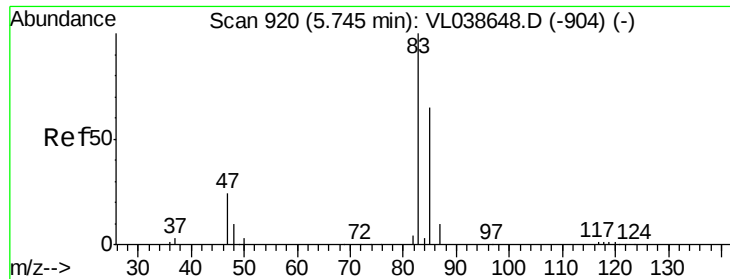
73 100

57 24.2 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: 9.529 ppbv

RT: 5.75 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0321ABS01

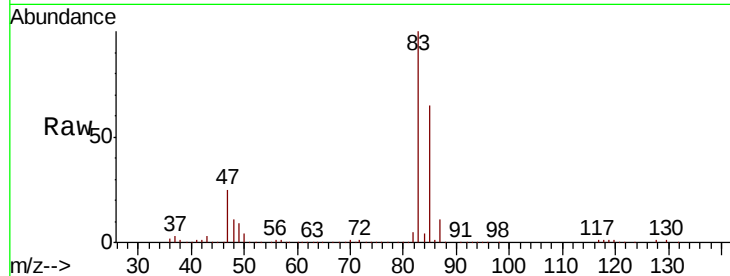
Acq: 21 Mar 2022 19:34

Tot Ion: 83 Resp: 1396026

Ion Ratio Lower Upper

83 100

85 65.2 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.75

600000

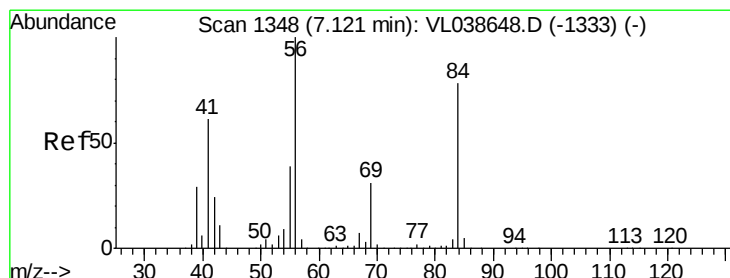
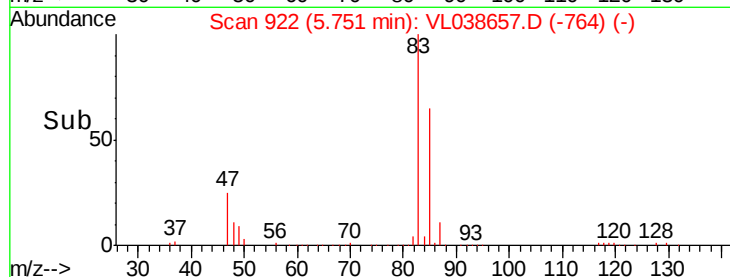
400000

200000

0

Time-->

5.70 5.80 5.90



#30

Cyclohexane

Concen: 9.656 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

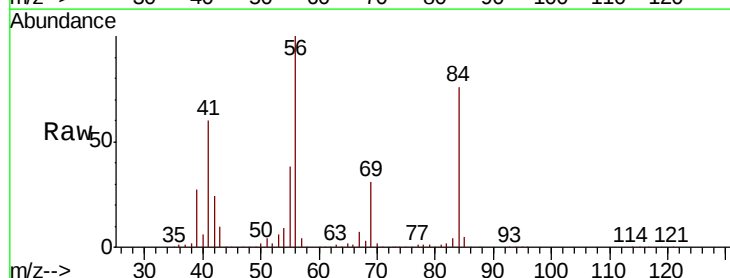
Tgt Ion: 84 Resp: 768208

Ion Ratio Lower Upper

84 100

56 135.5 108.2 162.4

41 77.7 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

600000

500000

400000

300000

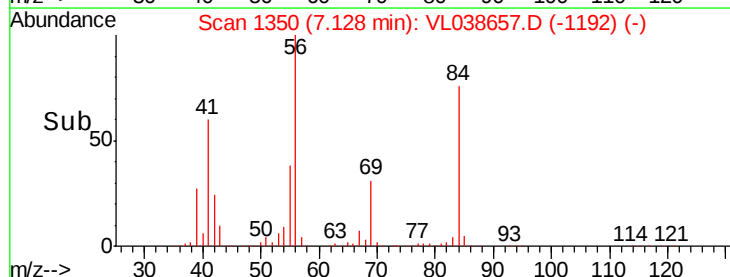
200000

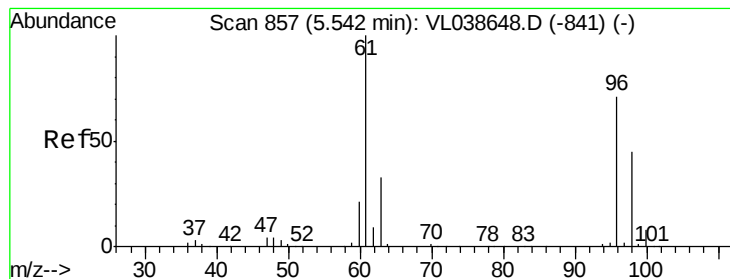
100000

0

Time-->

7.05 7.10 7.15 7.20 7.25





#31

cis-1,2-Dichloroethene

Concen: 10.136 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 19:34 VL0321ABS01

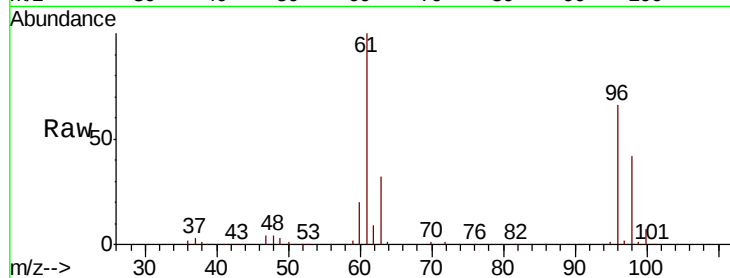
Tot Ion: 61 Resp: 872080

Ion Ratio Lower Upper

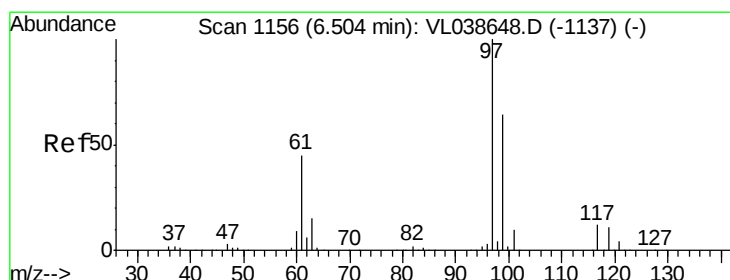
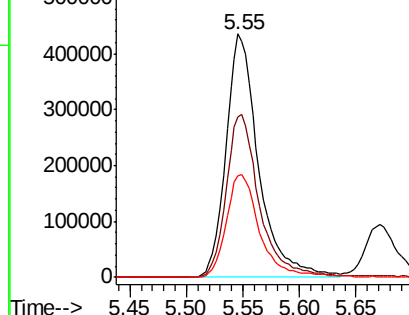
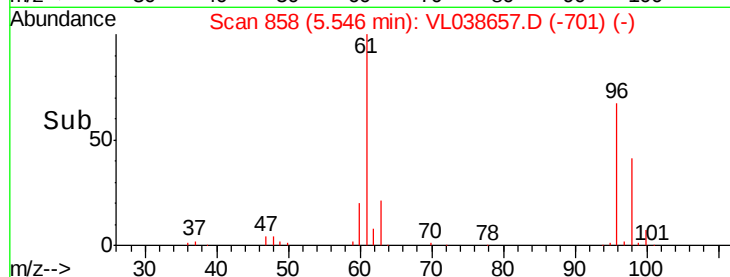
61 100

96 66.0 56.6 84.8

98 41.9 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: 9.499 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

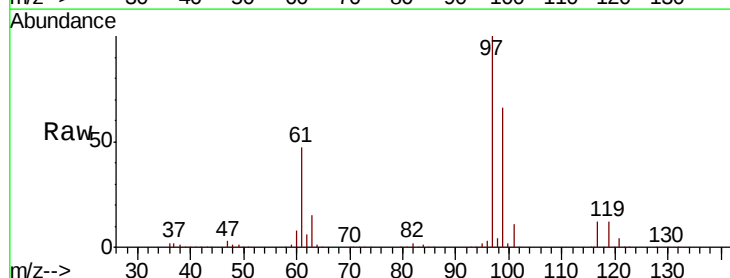
Tgt Ion: 97 Resp: 1342964

Ion Ratio Lower Upper

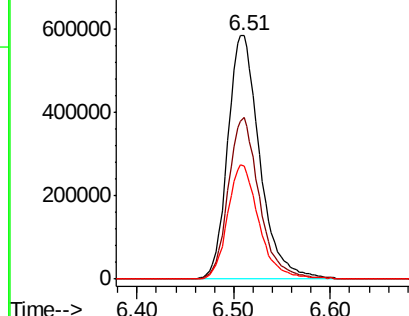
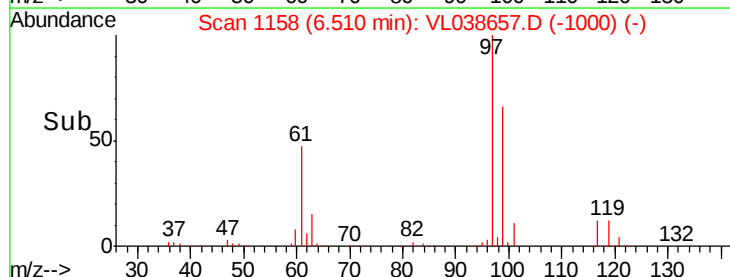
97 100

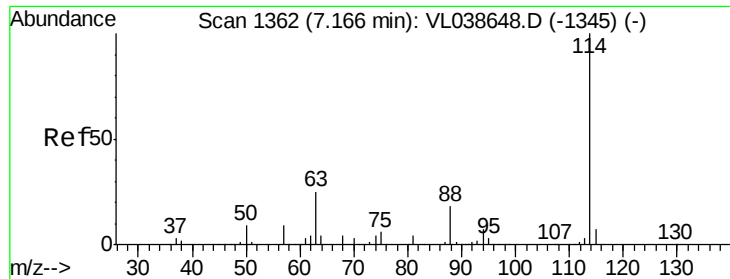
99 64.8 51.8 77.8

61 46.6 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: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0321ABS01

Acq: 21 Mar 2022 19:34

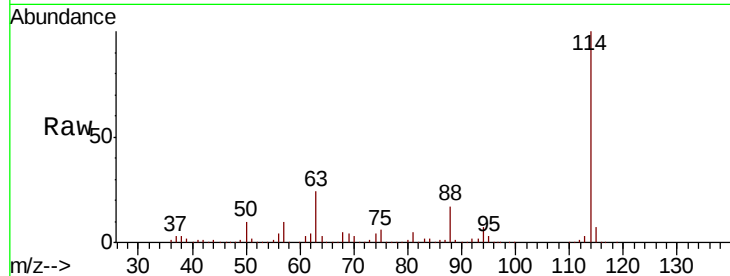
Tot Ion:114 Resp: 2478861

Ion Ratio Lower Upper

114 100

63 24.1 19.4 29.0

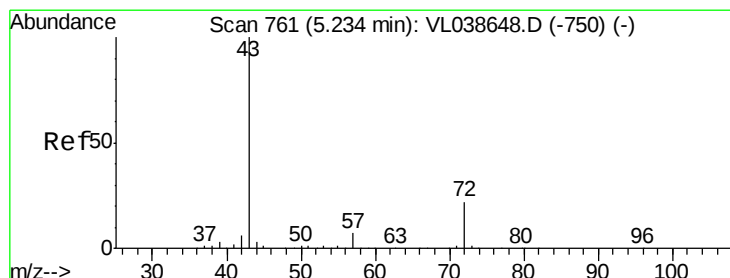
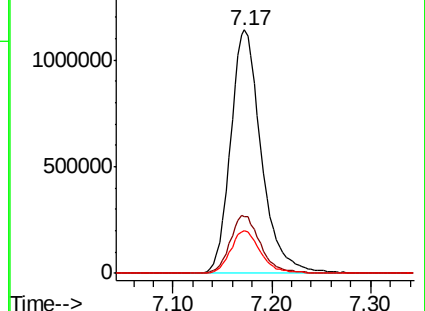
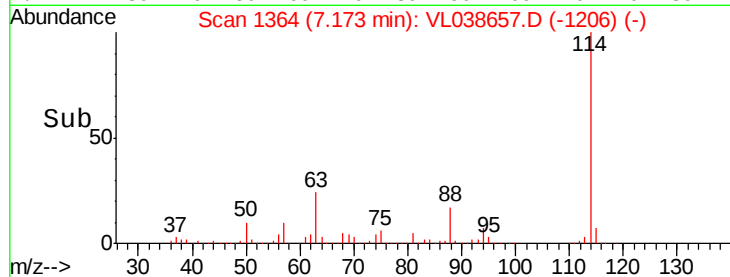
88 17.3 13.9 20.9



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: 12.366 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL038657.D

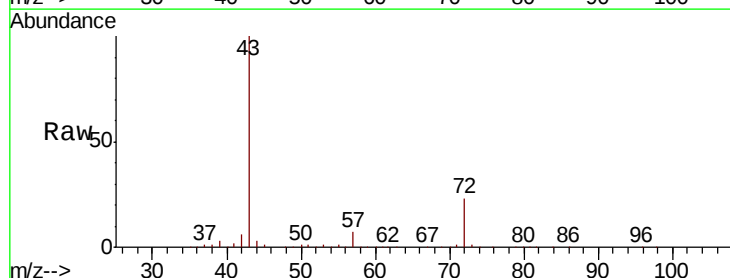
Acq: 21 Mar 2022 19:34

Tgt Ion: 43 Resp: 1213252

Ion Ratio Lower Upper

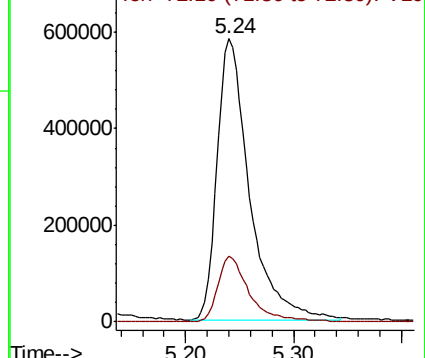
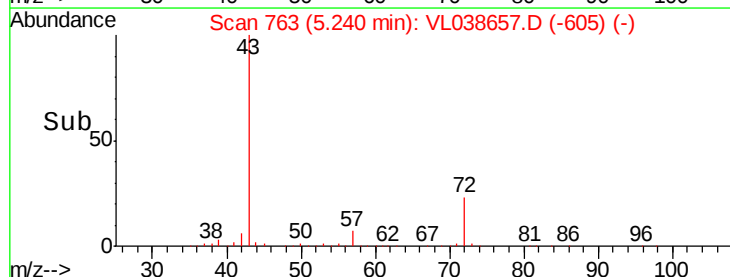
43 100

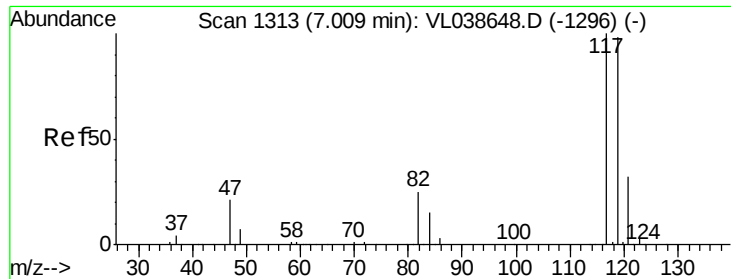
72 23.3 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.809 ppbv

RT: 7.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 19:34

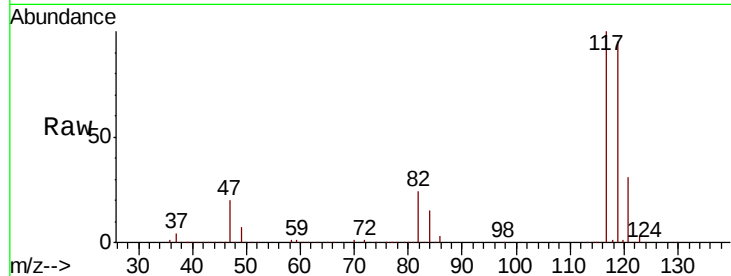
Tot Ion:117 Resp: 1410856

Ion Ratio Lower Upper

117 100

119 95.0 78.1 117.1

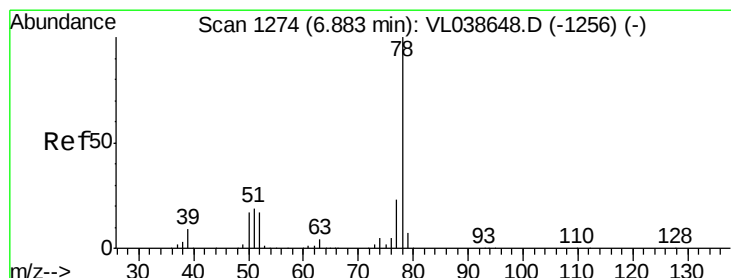
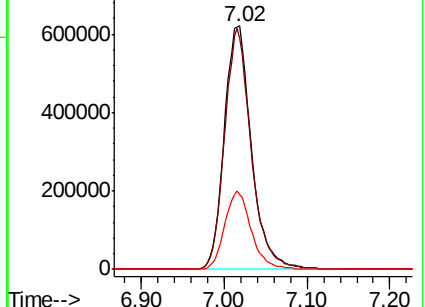
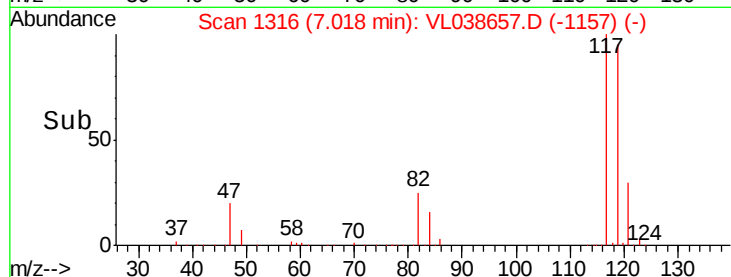
121 30.6 25.8 38.6



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: 9.789 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

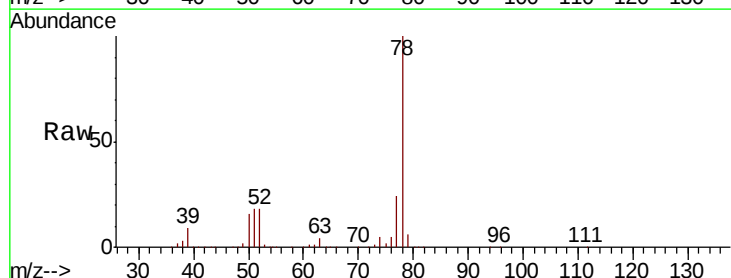
Tgt Ion: 78 Resp: 1872772

Ion Ratio Lower Upper

78 100

77 23.6 18.1 27.1

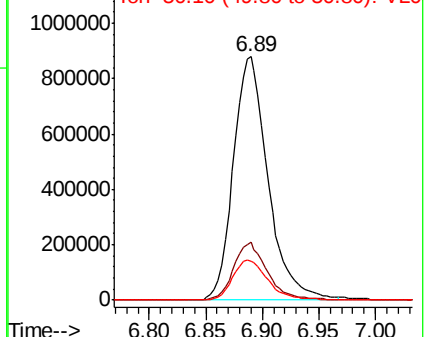
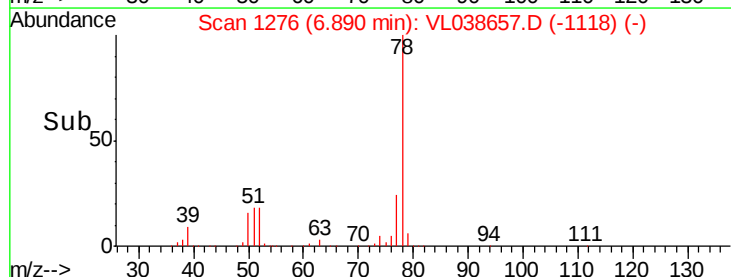
50 16.1 13.6 20.4

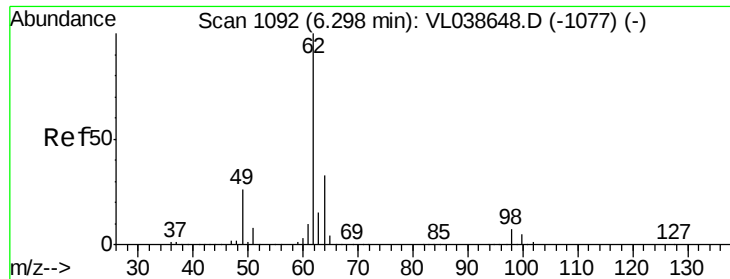


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

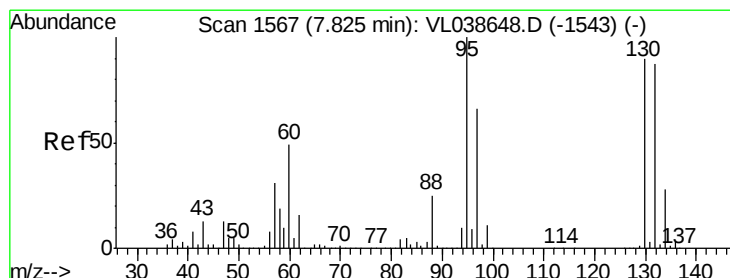
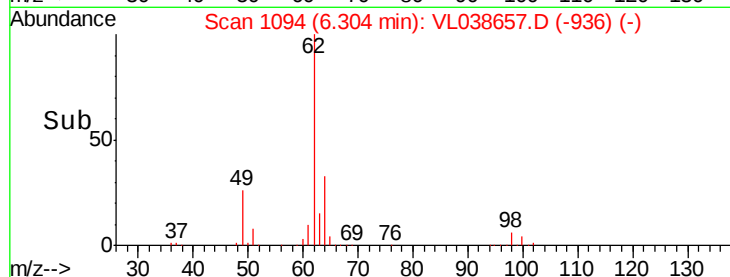
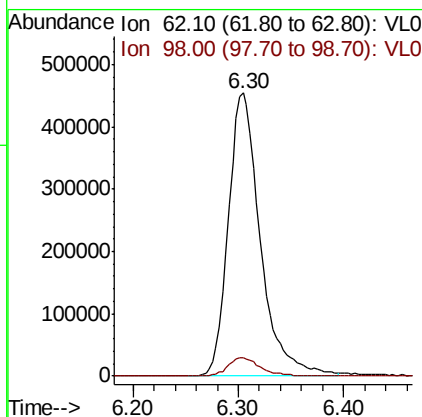
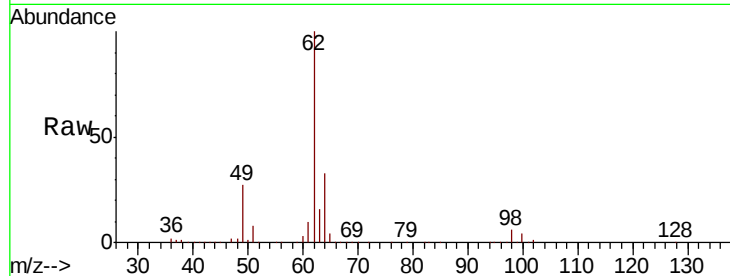
Ion 50.10 (49.80 to 50.80): VL0





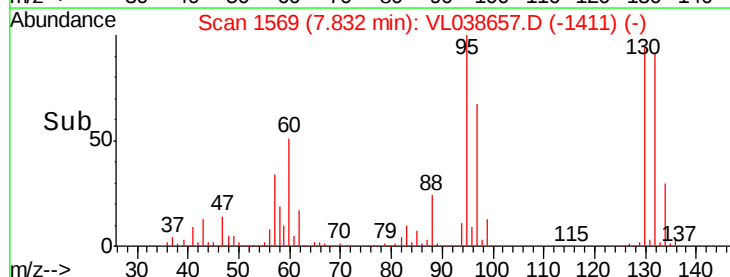
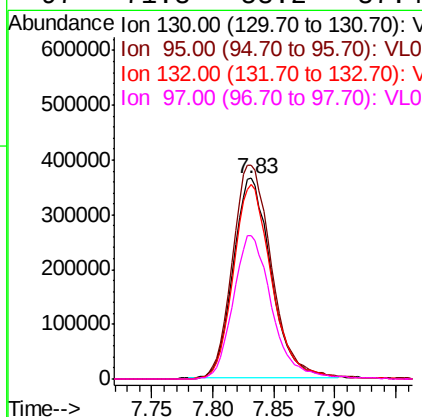
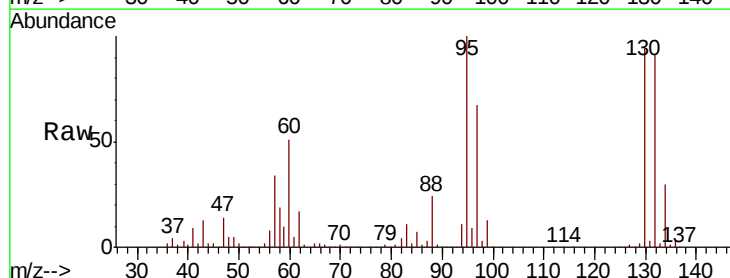
#37
 1,2-Dichloroethane
 Concen: 9.805 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0321ABS01
 Acq: 21 Mar 2022 19:34

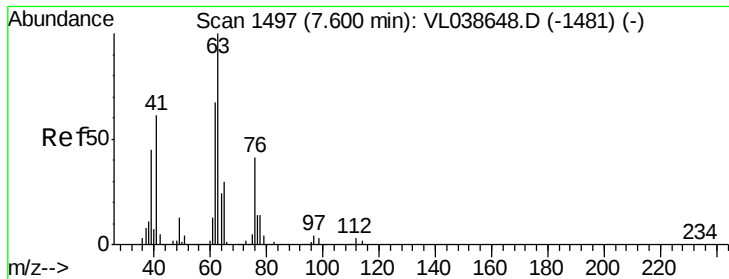
Tot Ion: 62 Resp: 954246
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.6 8.4



#38
 Trichloroethene
 Concen: 9.836 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

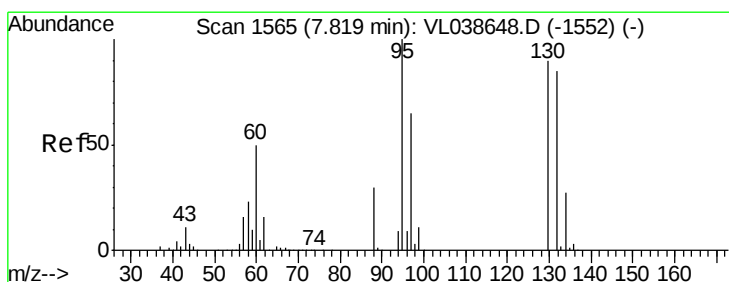
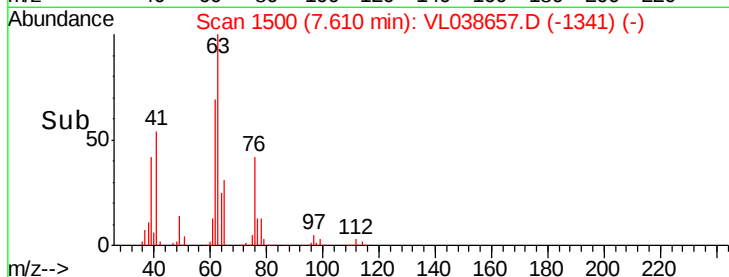
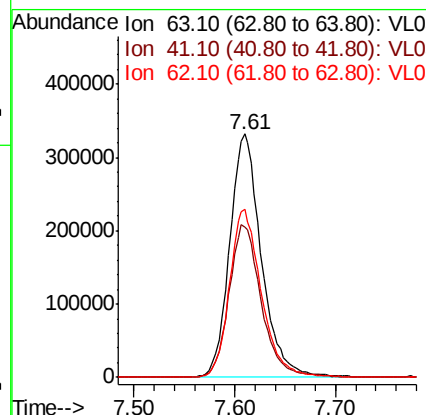
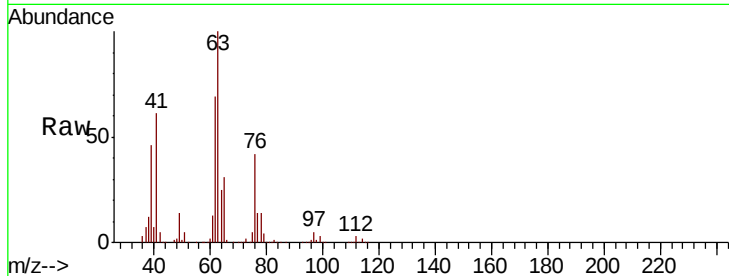
Tgt Ion: 130 Resp: 788267
 Ion Ratio Lower Upper
 130 100
 95 106.8 88.9 133.3
 132 97.6 77.4 116.0
 97 71.8 58.2 87.4





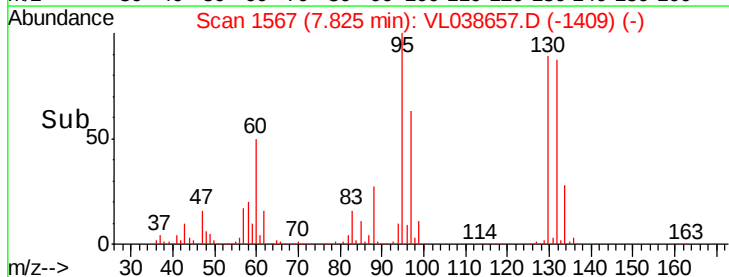
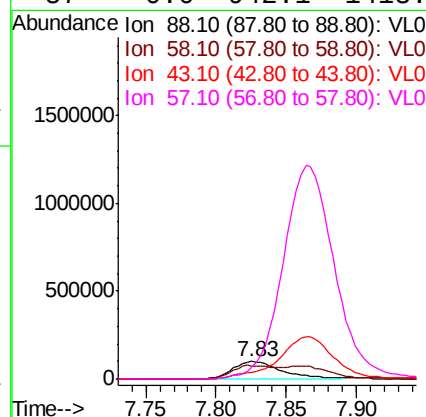
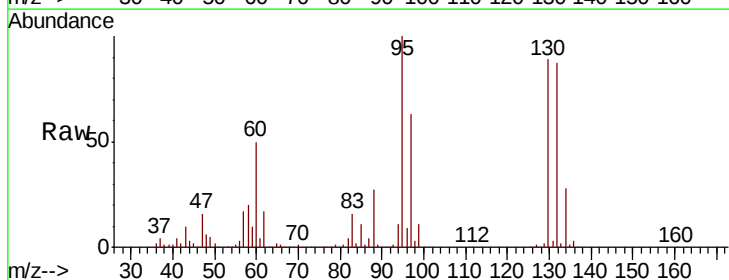
#39
 1,2-Dichloropropane
 Concen: 9.706 ppbv
 RT: 7.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0321ABS01
 Acq: 21 Mar 2022 19:34

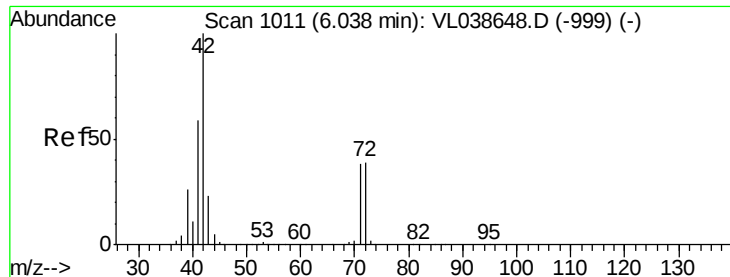
Tot Ion	Ratio	Lower	Upper
63	100		
41	61.4	49.0	73.6
62	69.1	53.9	80.9



#40
 1,4-Dioxane
 Concen: 9.287 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.0	105.6	158.4#
43	0.0	201.9	302.9#
57	0.0	942.1	1413.1#





#41

Tetrahydrofuran

Concen: 10.208 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 19:34 VL0321ABS01

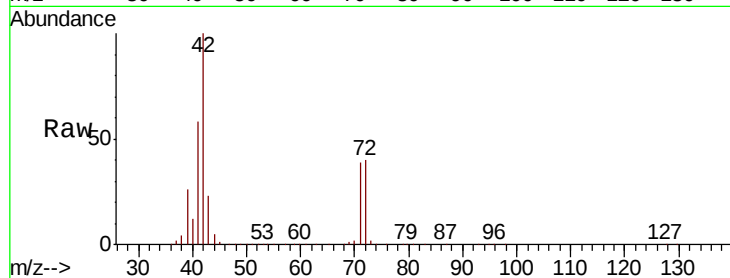
Tot Ion: 42 Resp: 745430

Ion Ratio Lower Upper

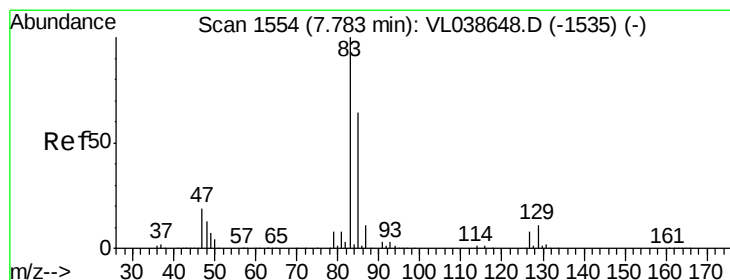
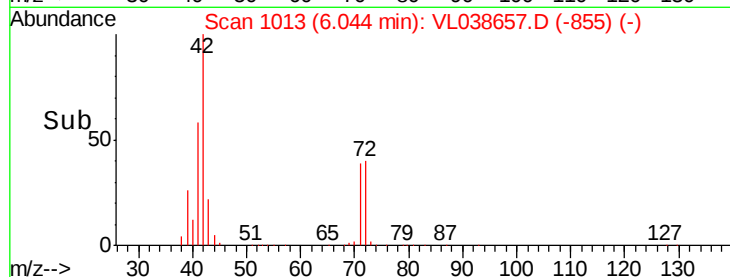
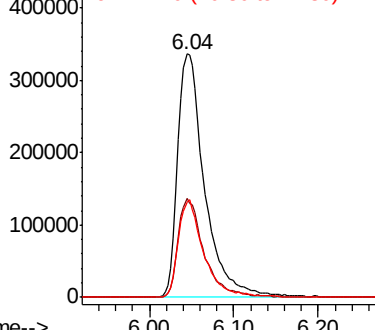
42 100

72 39.5 32.5 48.7

71 38.2 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: 10.103 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

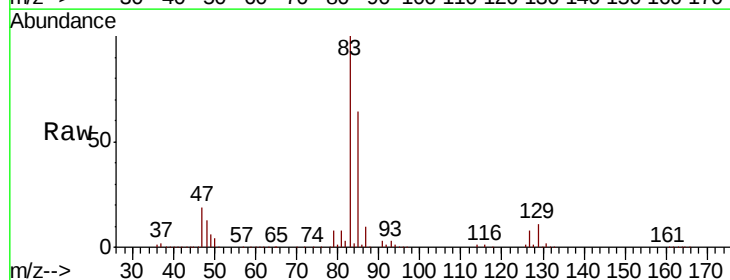
Tgt Ion: 83 Resp: 1474050

Ion Ratio Lower Upper

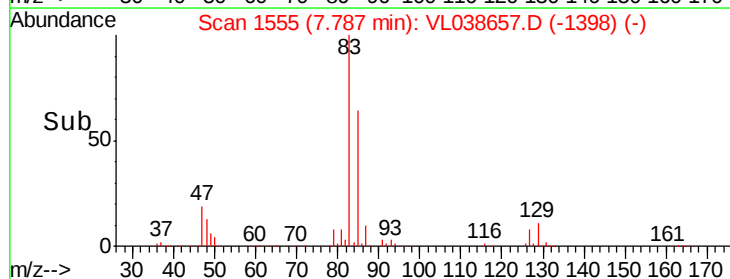
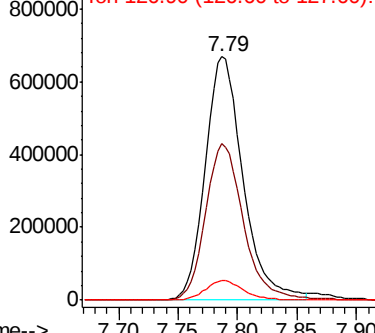
83 100

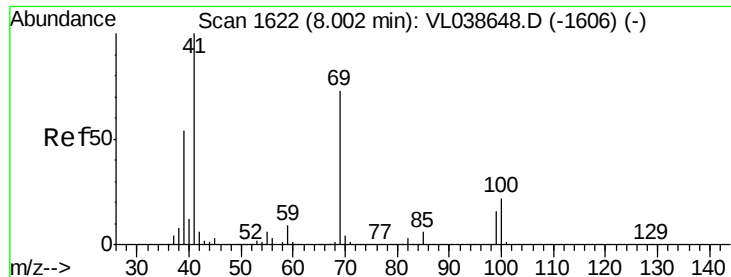
85 64.1 51.1 76.7

127 8.1 6.5 9.7



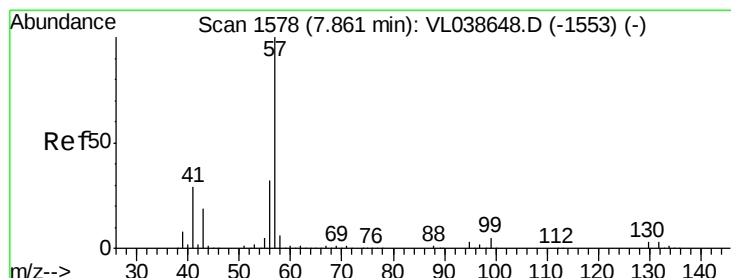
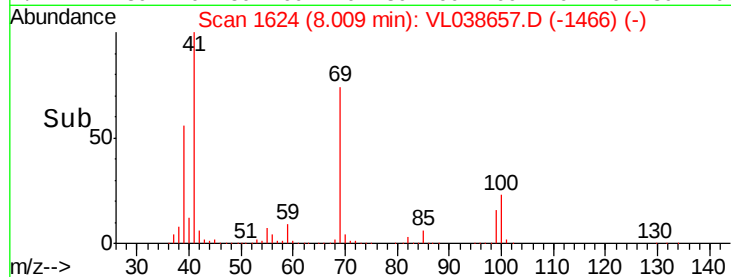
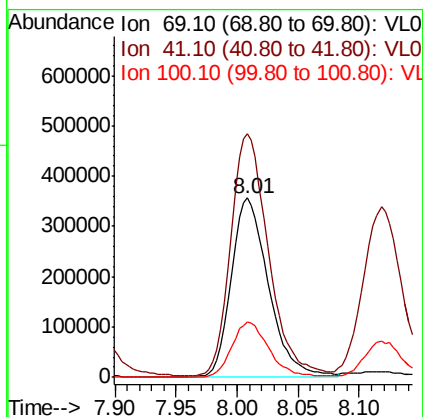
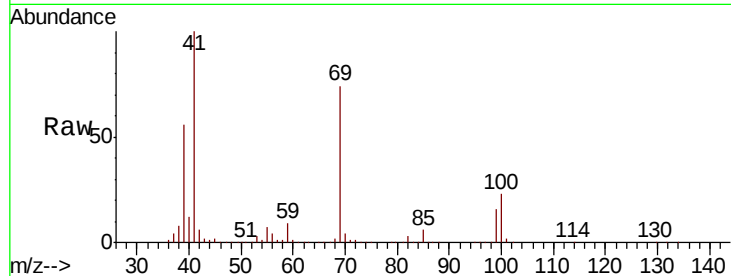
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





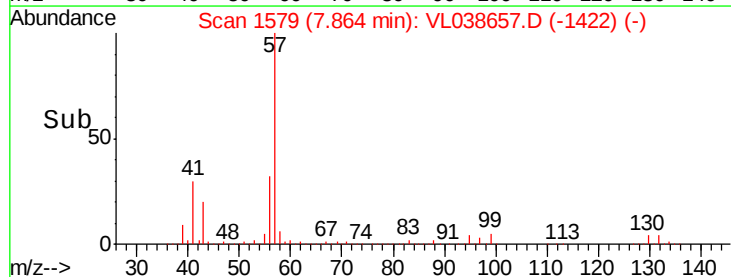
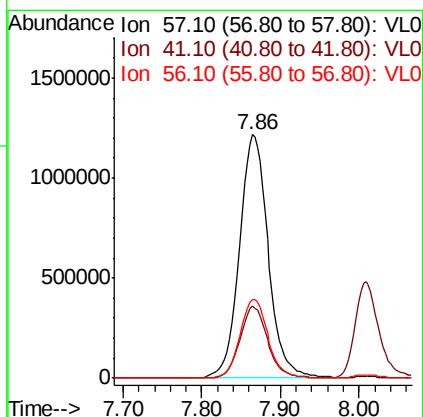
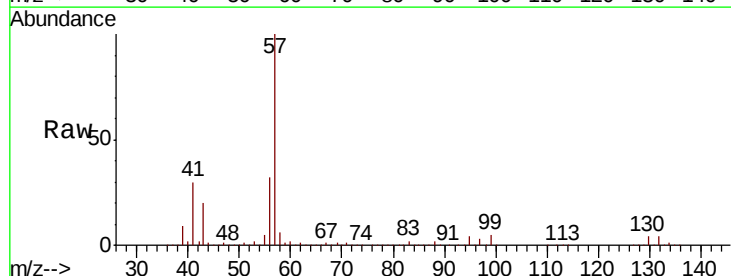
#43
Methyl Methacrylate
Concen: 10.715 ppbv
RT: 8.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VL0321ABS01
Acq: 21 Mar 2022 19:34

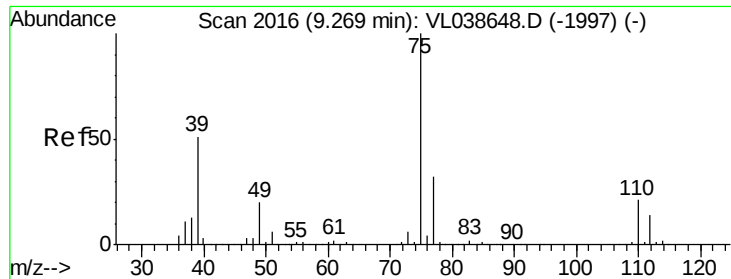
Tot Ion: 69 Resp: 761069
Ion Ratio Lower Upper
69 100
41 137.6 110.3 165.5
100 30.8 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 9.711 ppbv
RT: 7.86 min Scan# 1579
Delta R.T.: 0.00 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

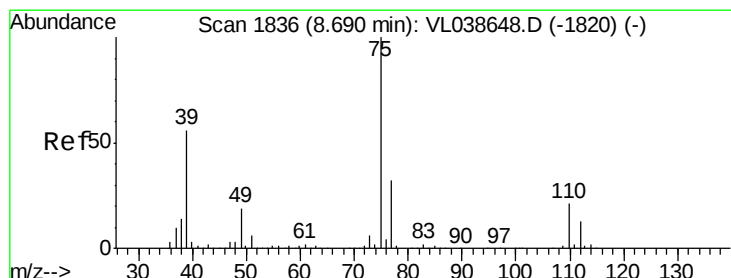
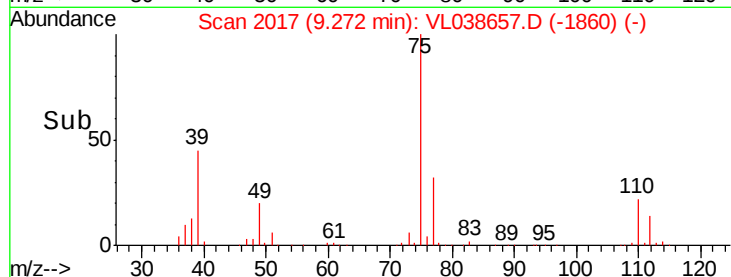
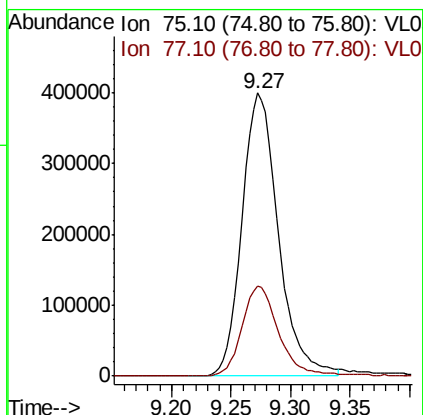
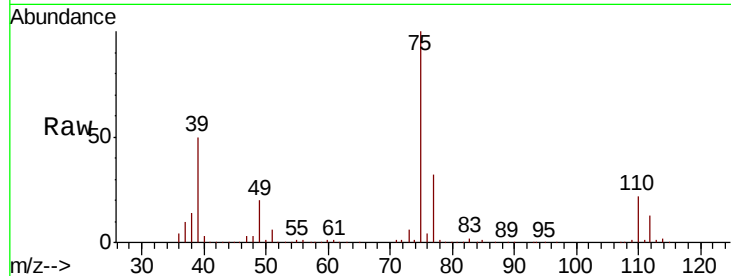
Tgt Ion: 57 Resp: 3119391
Ion Ratio Lower Upper
57 100
41 28.5 23.0 34.4
56 31.6 25.3 37.9





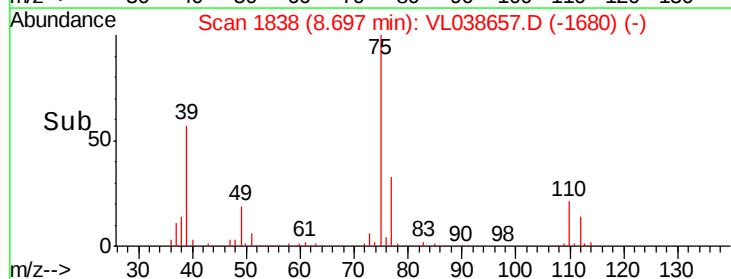
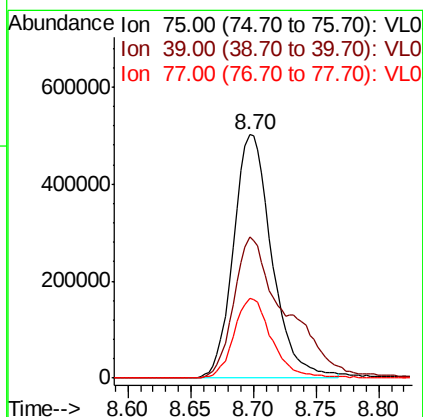
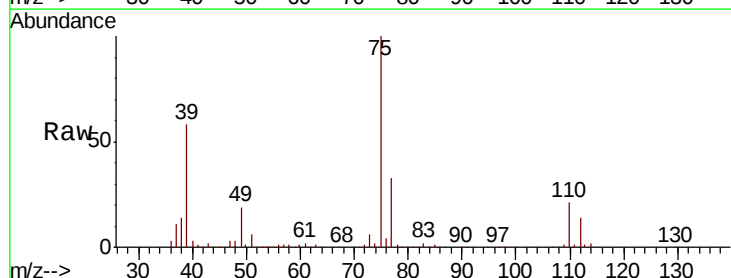
#45
 t-1,3-Dichloropropene
 Concen: 11.714 ppbv
 RT: 9.27
 Instrument: MSVOA_L
 Delta R.T.:
 ClientSampleId:
 Lab File: VL0321ABS01
 Acq: 21 Mar 2022 19:34

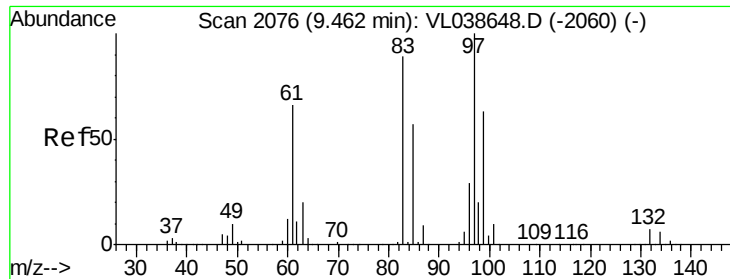
Tot Ion: 75 Resp: 845966
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.945 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

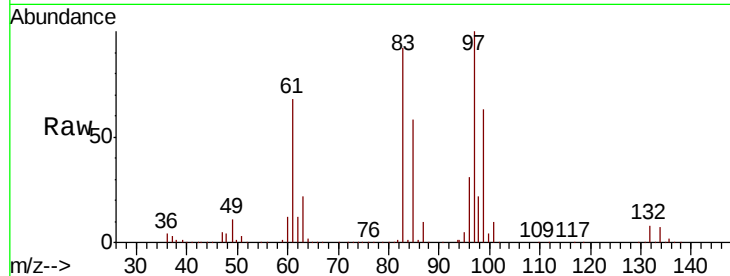
Tgt Ion: 75 Resp: 1068838
 Ion Ratio Lower Upper
 75 100
 39 57.8 44.8 67.2
 77 32.6 25.4 38.0





#47
 1,1,2-Trichloroethane
 Concen: 9.559 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0321ABS01
 Acq: 21 Mar 2022 19:34

Tot Ion:	97	Resp:	763317
Ion	Ratio	Lower	Upper
97	100		
83	92.1	71.2	106.8
85	58.3	45.3	67.9
99	63.5	50.6	76.0



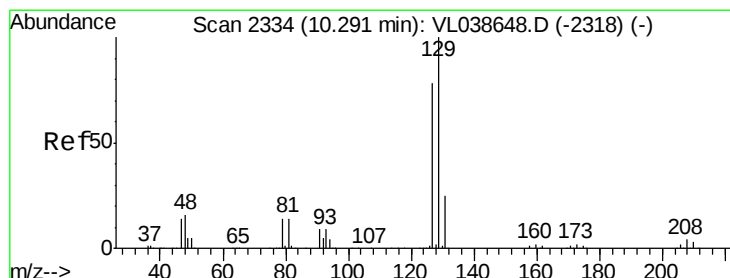
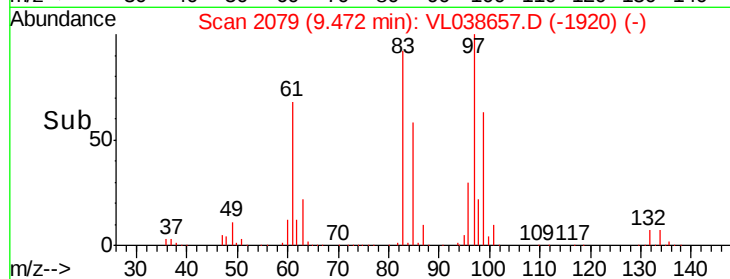
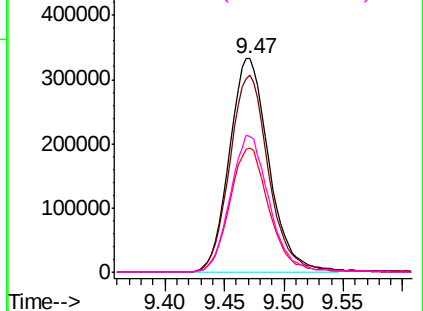
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

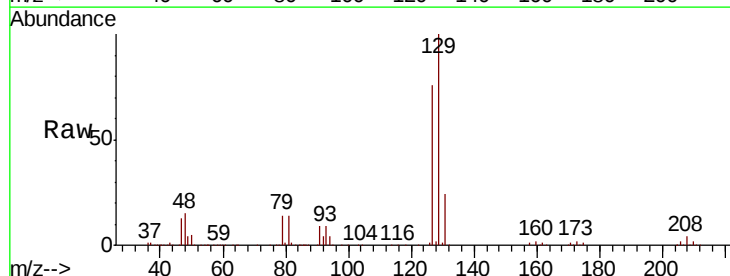
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.467 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

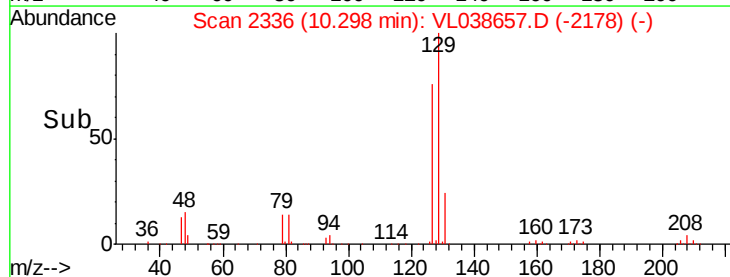
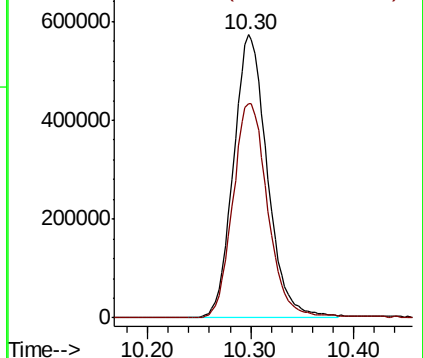
Tgt Ion:	129	Resp:	1309193
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.5	118.5

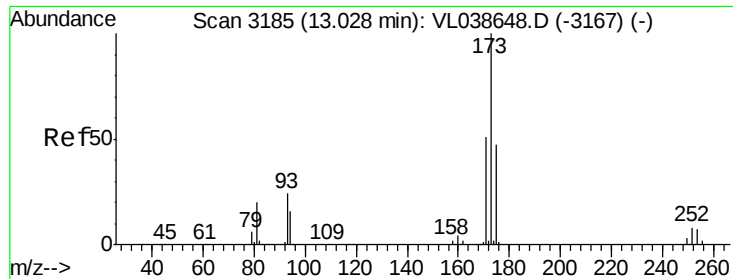


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.490 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 19:34

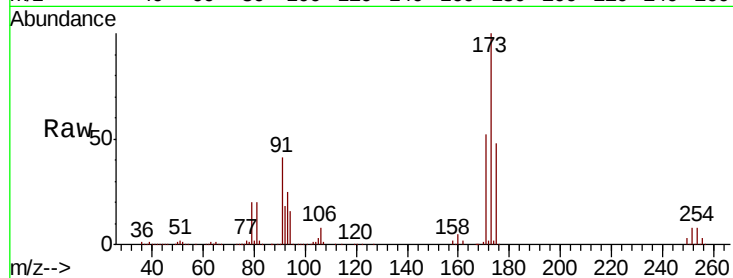
Tot Ion:173 Resp: 1069371

Ion Ratio Lower Upper

173 100

175 50.7 41.0 61.6

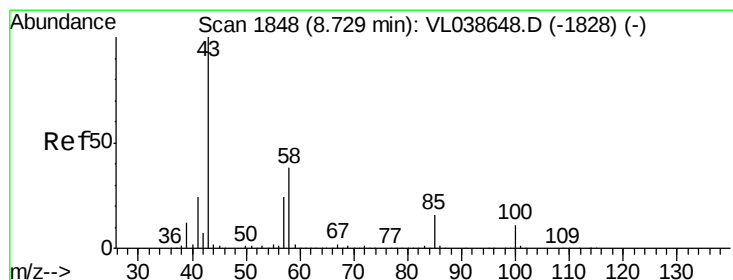
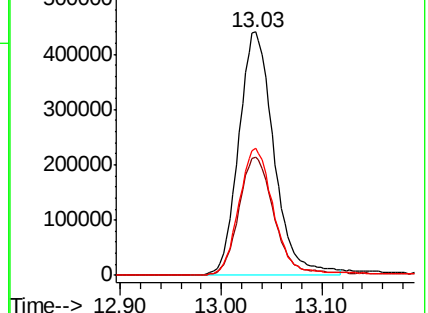
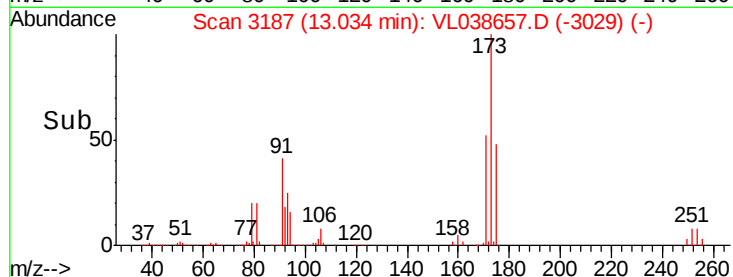
171 53.8 43.1 64.7



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: 10.388 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL038657.D

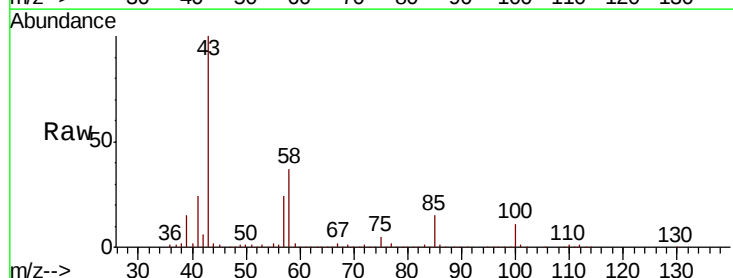
Acq: 21 Mar 2022 19:34

Tgt Ion: 43 Resp: 1894776

Ion Ratio Lower Upper

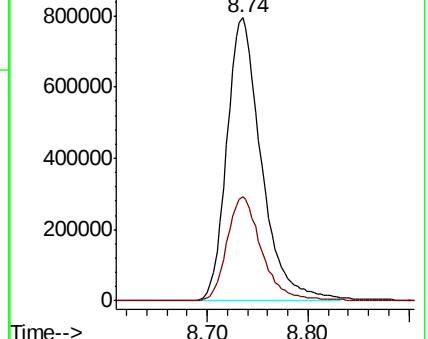
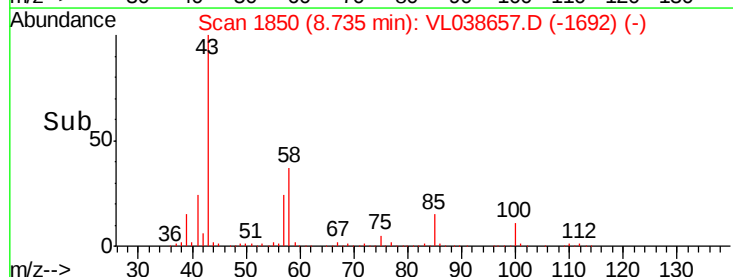
43 100

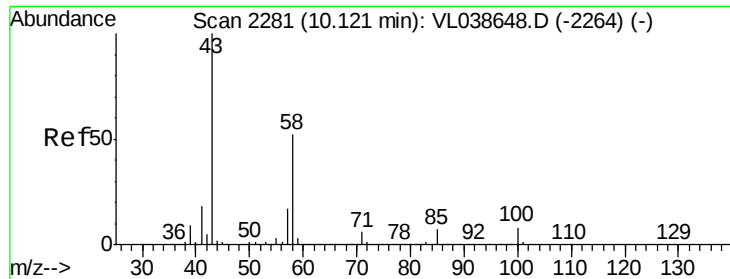
58 37.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

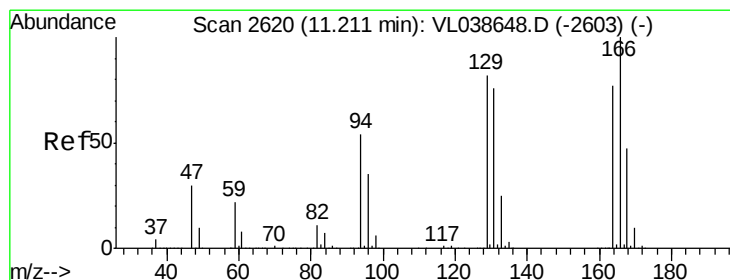
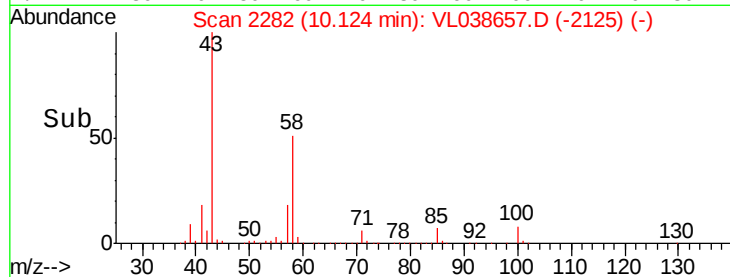
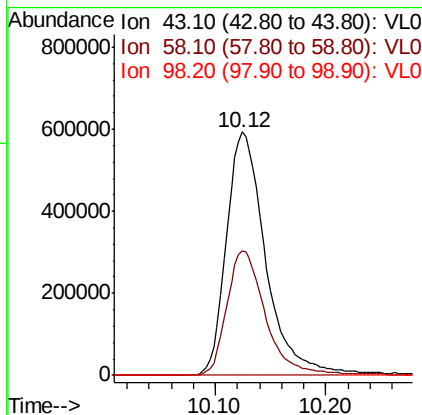
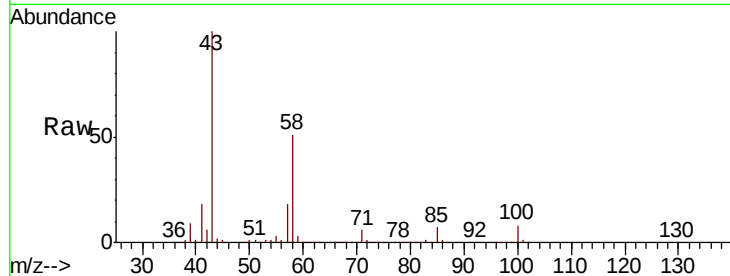
Ion 58.10 (57.80 to 58.80): VL0





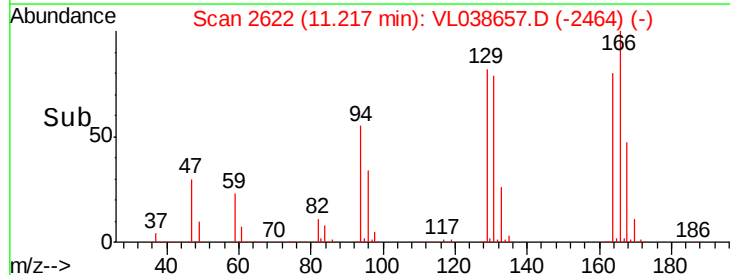
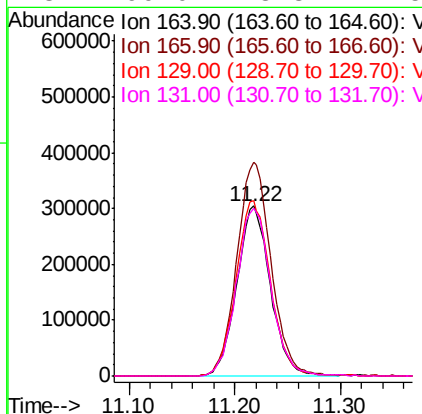
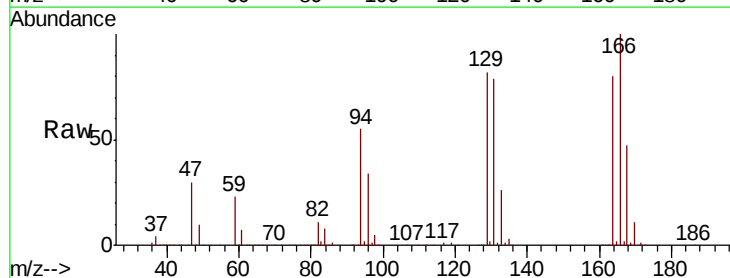
#51
2-Hexanone
Concen: 11.048 ppbv
RT: 10.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0321ABS01
Acq: 21 Mar 2022 19:34

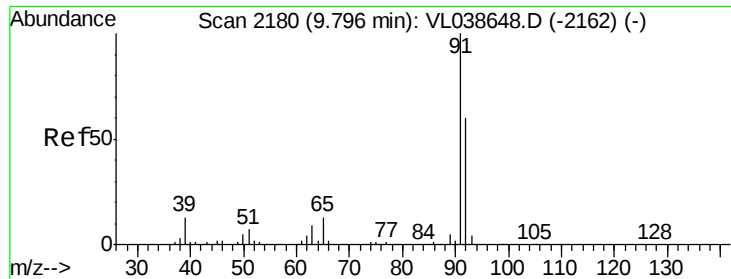
Tot Ion: 43 Resp: 1447424
Ion Ratio Lower Upper
43 100
58 51.8 41.2 61.8
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.603 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: 0.01 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 164 Resp: 672337
Ion Ratio Lower Upper
164 100
166 125.6 103.3 154.9
129 103.0 85.2 127.8
131 99.0 78.3 117.5





#53

Toluene

Concen: 10.464 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

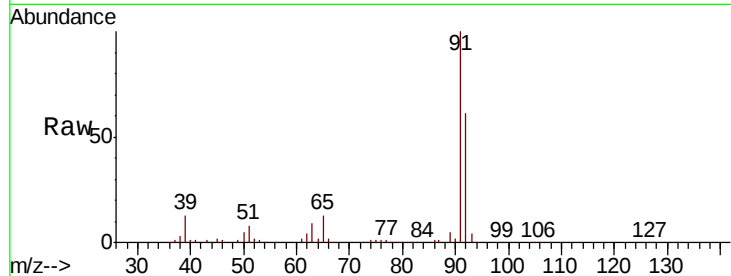
Acq: 21 Mar 2022 19:34

Tot Ion: 91 Resp: 2150980

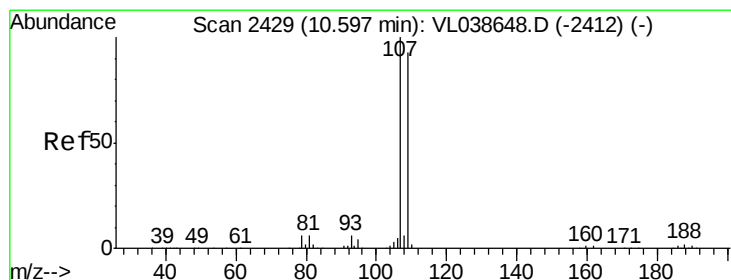
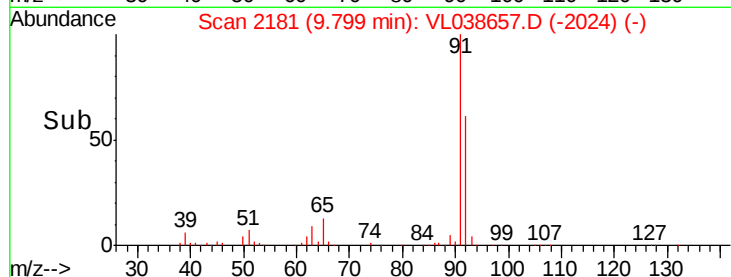
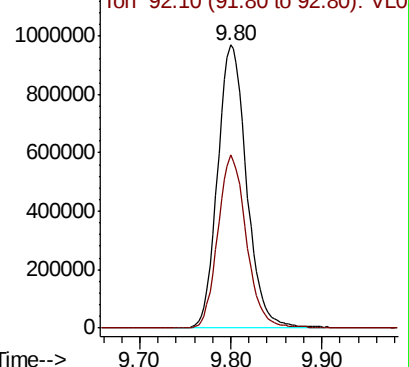
Ion Ratio Lower Upper

91 100

92 60.1 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 10.166 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VL038657.D

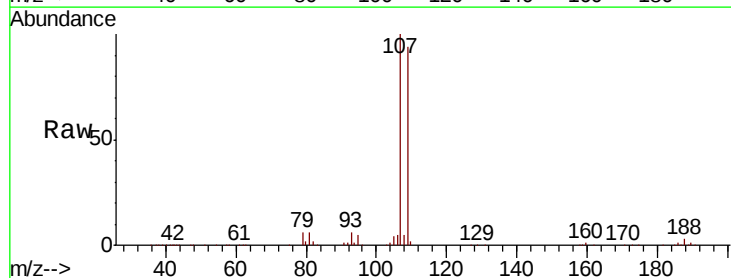
Acq: 21 Mar 2022 19:34

Tgt Ion: 107 Resp: 1108364

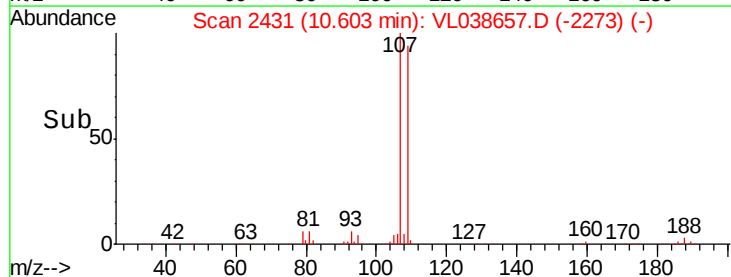
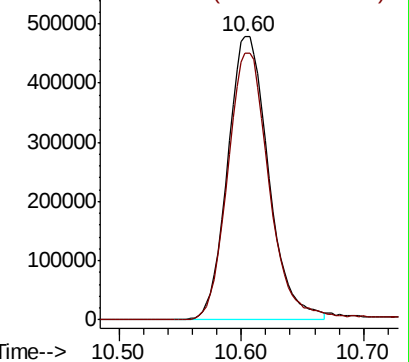
Ion Ratio Lower Upper

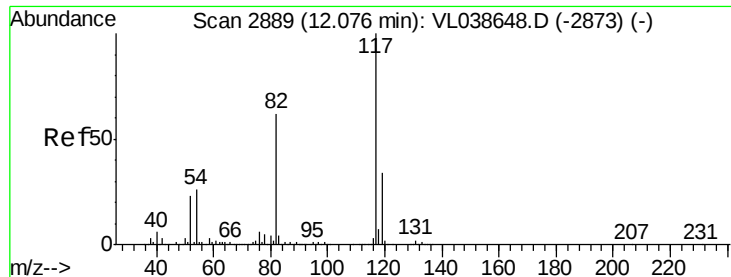
107 100

109 94.2 74.1 111.1



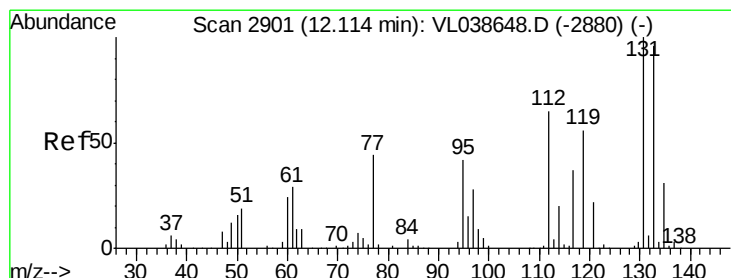
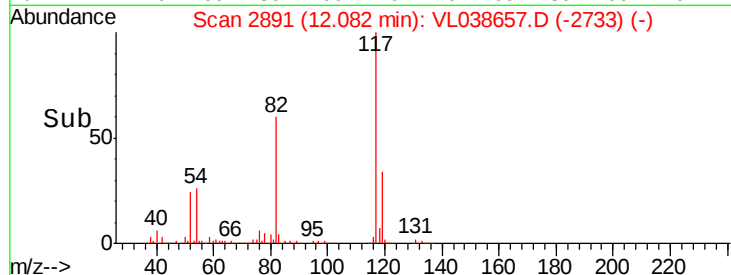
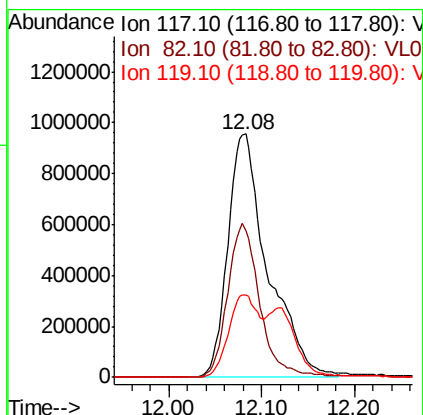
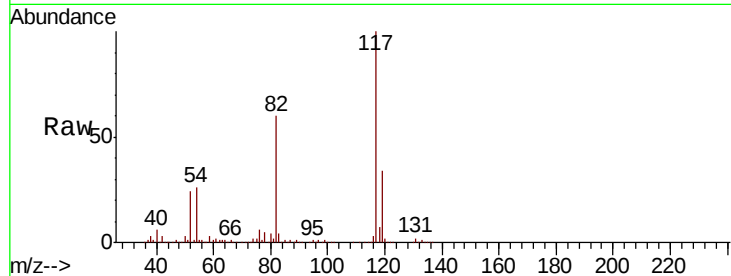
Abundance Ion 107.00 (106.70 to 107.70): V





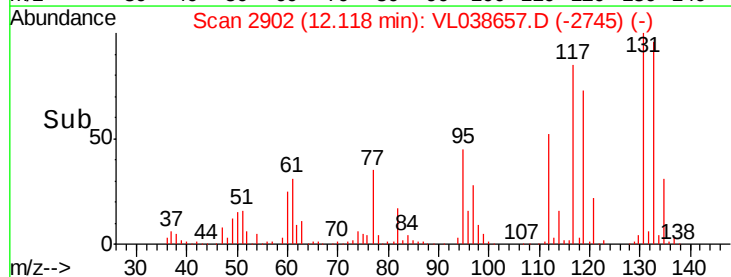
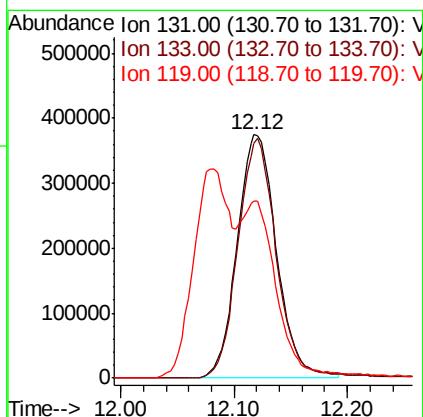
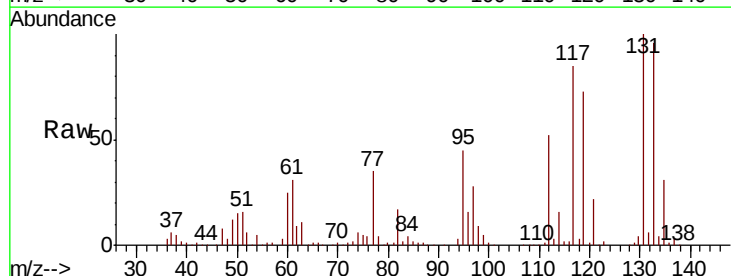
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0321ABS01
Acq: 21 Mar 2022 19:34

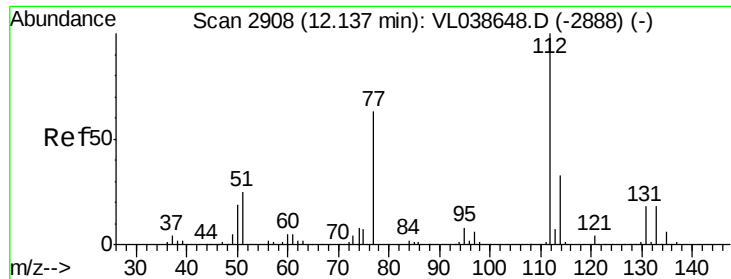
Tot Ion:117 Resp: 2860916
Ion Ratio Lower Upper
117 100
82 51.7 51.6 77.4
119 47.6 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.629 ppbv
RT: 12.12 min Scan# 2902
Delta R.T.: 0.00 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

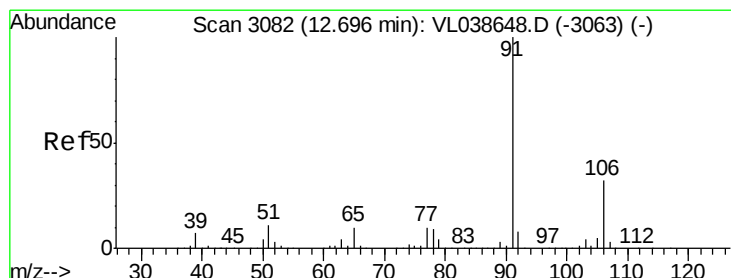
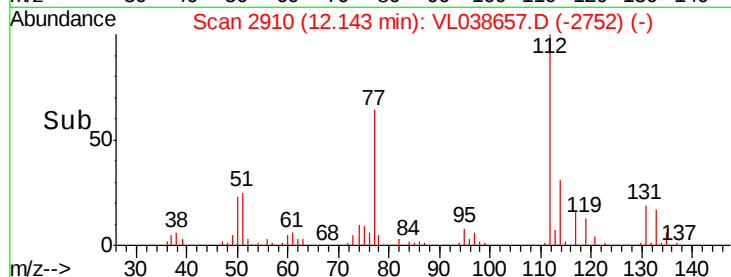
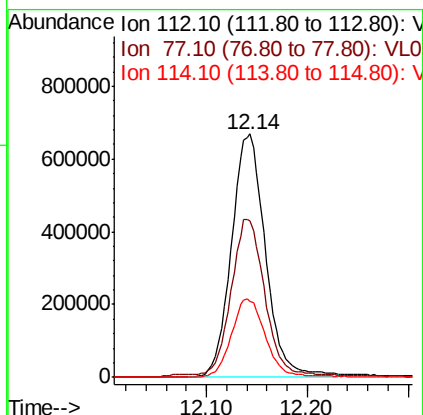
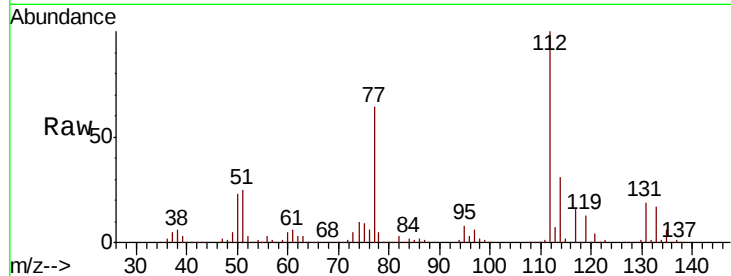
Tgt Ion:131 Resp: 904854
Ion Ratio Lower Upper
131 100
133 98.5 77.3 115.9
119 67.1 53.0 79.6





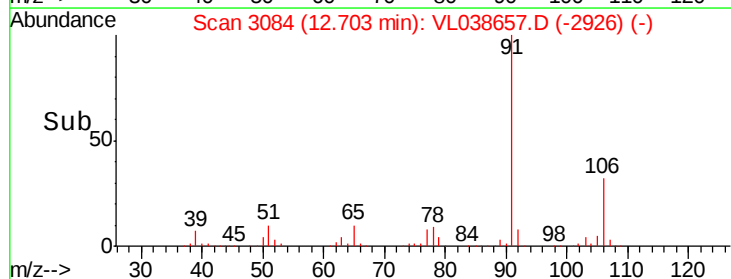
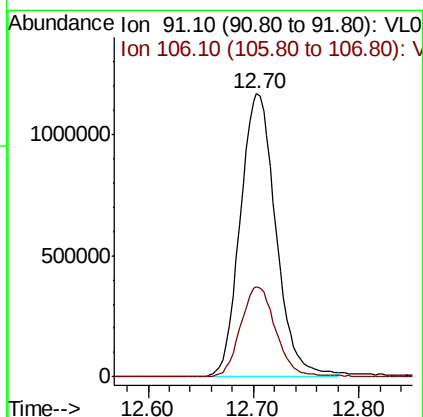
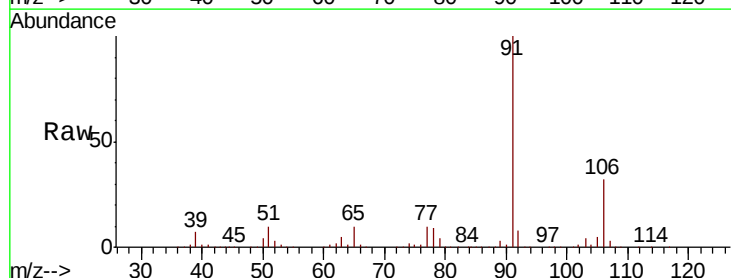
#57
Chlorobenzene
Concen: 7.610 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0321ABS01
Acq: 21 Mar 2022 19:34

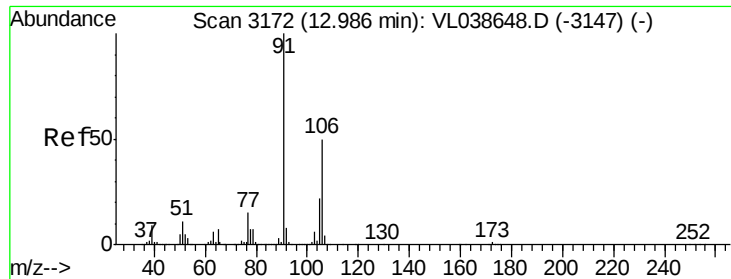
Tot Ion: 112 Resp: 1570336
Ion Ratio Lower Upper
112 100
77 63.4 51.0 76.6
114 31.3 29.8 36.4



#58
Ethyl Benzene
Concen: 8.200 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: 0.01 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

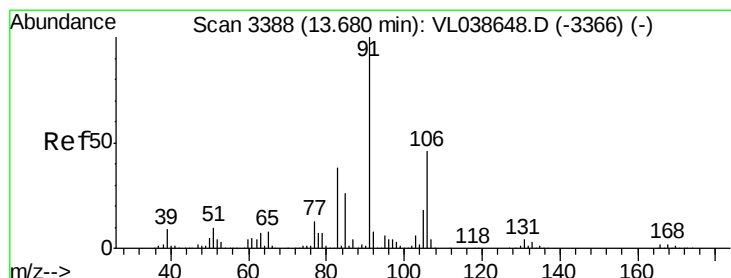
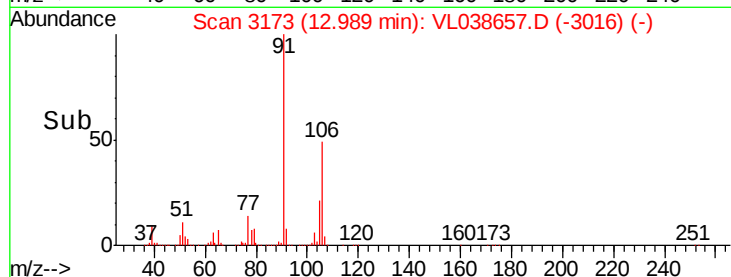
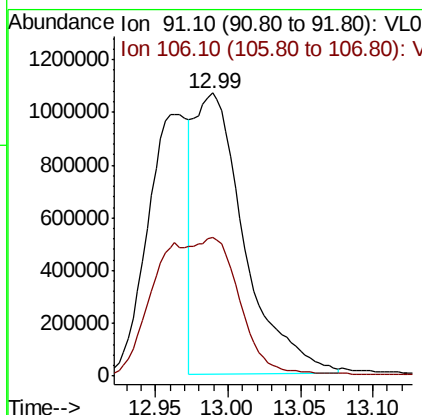
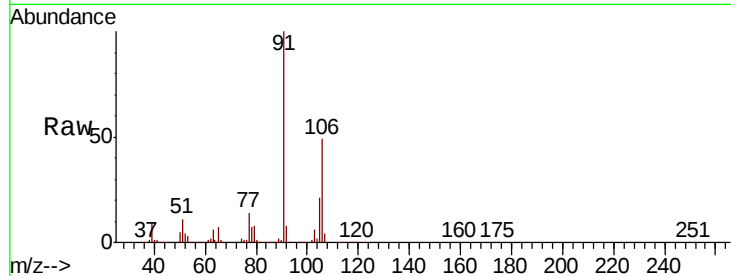
Tgt Ion: 91 Resp: 2742677
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0





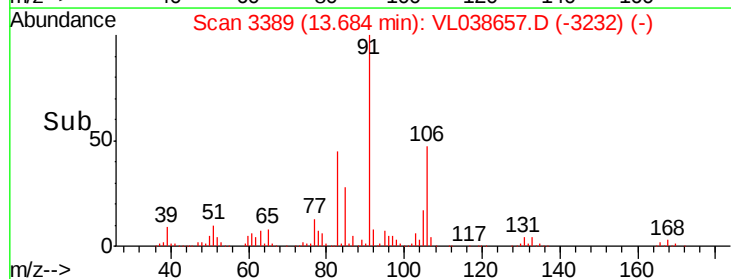
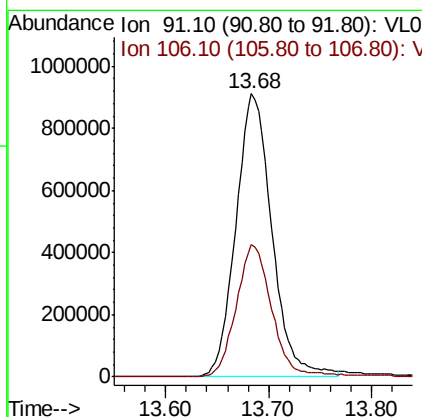
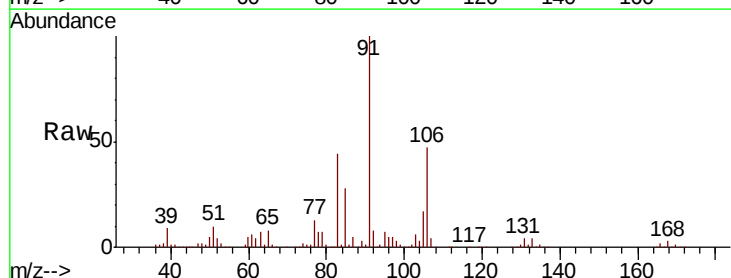
#59
m/p-Xylene
Concen: 8.734 ppbv
RT: 12.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VL0321ABS01
Acq: 21 Mar 2022 19:34

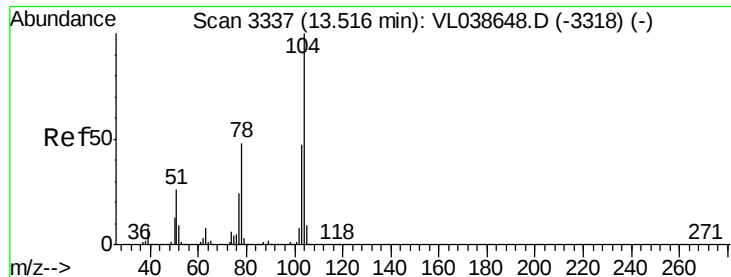
Tot Ion: 91 Resp: 2555147
Ion Ratio Lower Upper
91 100
106 84.6 37.2 55.8#



#60
o-Xylene
Concen: 7.951 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

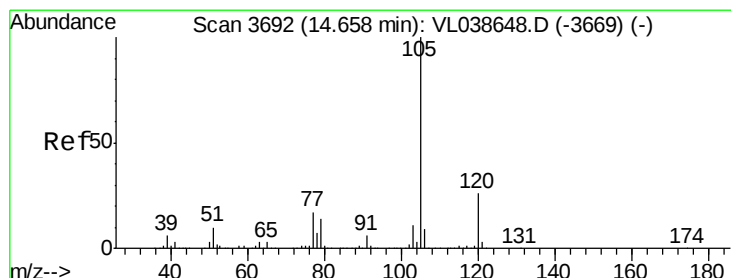
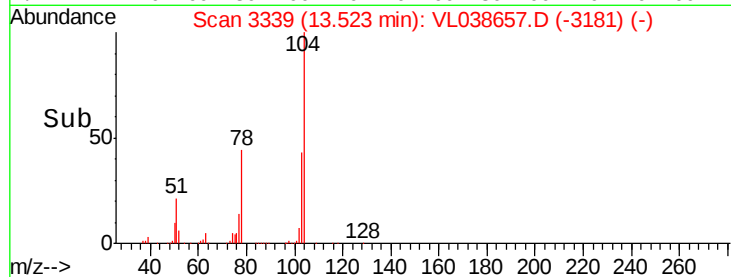
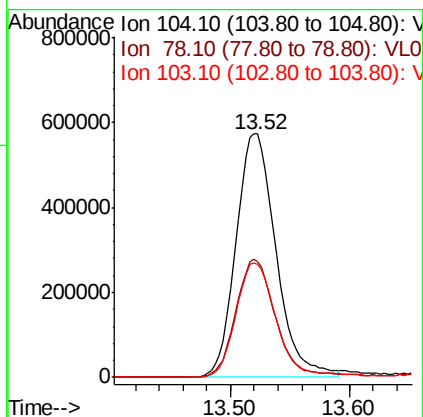
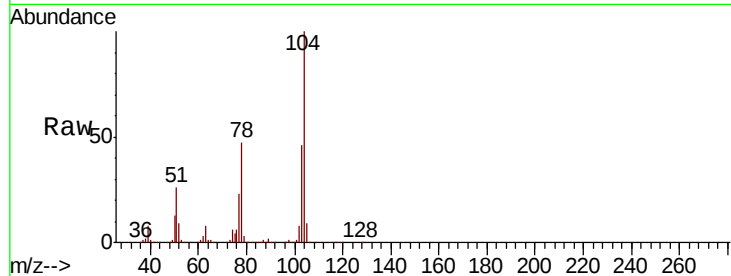
Tgt Ion: 91 Resp: 2208507
Ion Ratio Lower Upper
91 100
106 47.2 23.5 70.5





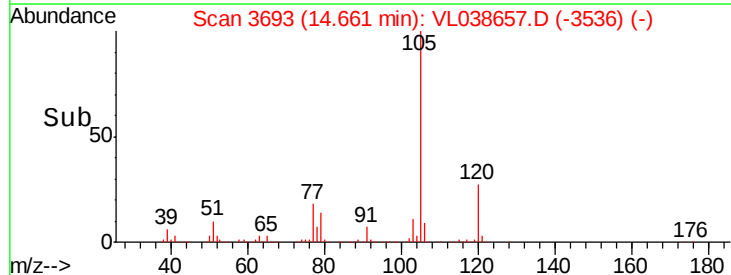
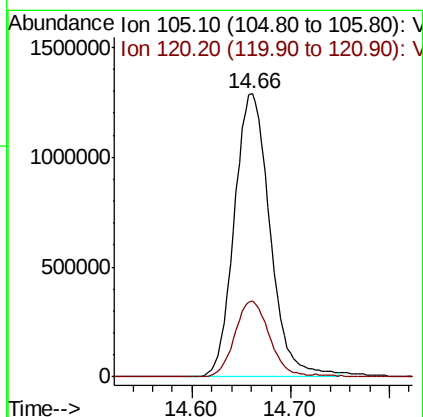
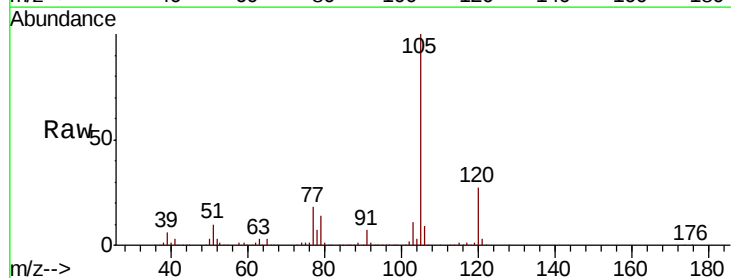
#61
Stvrene
Concen: 8.868 ppbv
RT: 13.52
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VL0321ABS01
Acq: 21 Mar 2022 19:34

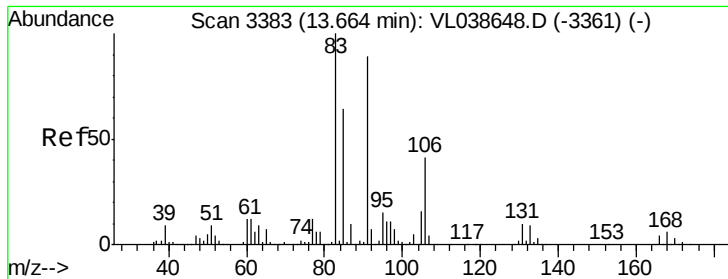
Tot Ion:104 Resp: 1335810
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 48.0 37.8 56.8



#62
Isopropylbenzene
Concen: 7.765 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

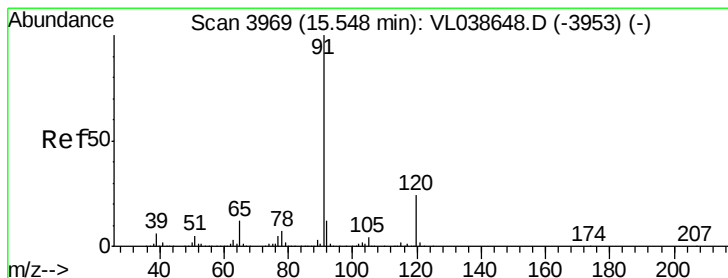
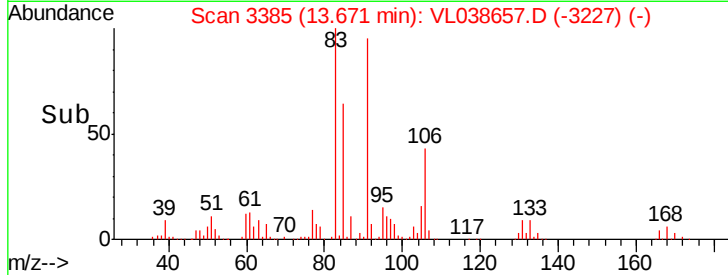
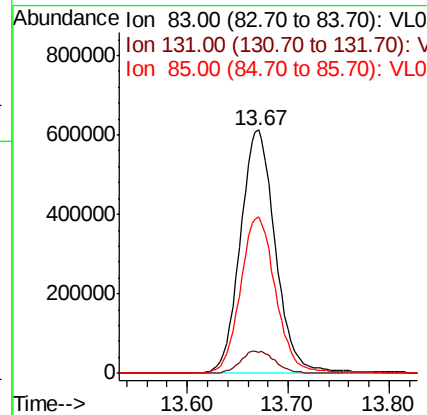
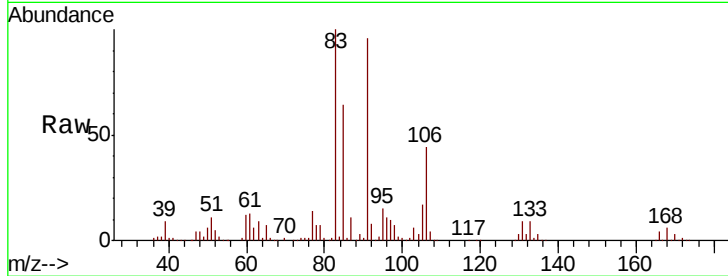
Tgt Ion:105 Resp: 3242716
Ion Ratio Lower Upper
105 100
120 26.8 21.2 31.8





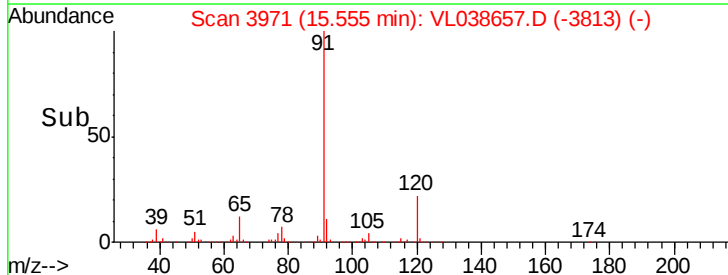
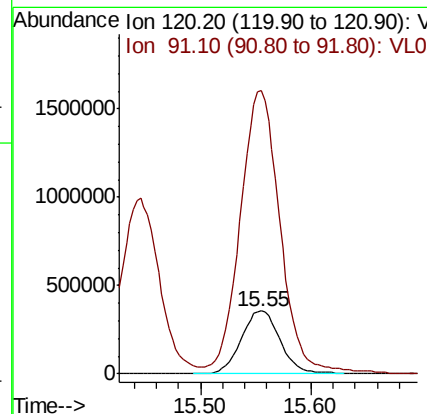
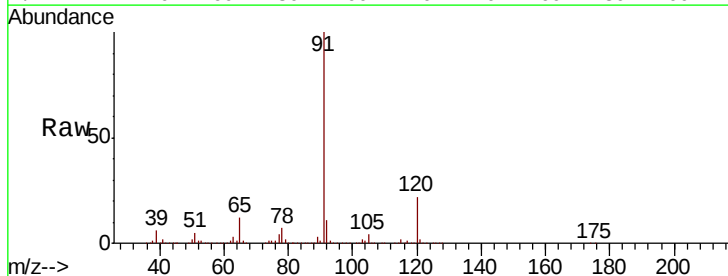
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.846 ppbv
 RT: 13.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0321ABS01
 Acq: 21 Mar 2022 19:34

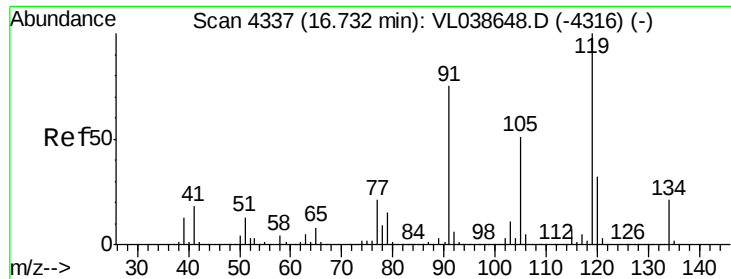
Tot Ion: 83 Resp: 1473112
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.8 14.3
 85 65.5 32.6 97.8



#64
 n-propylbenzene
 Concen: 7.996 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T.: 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

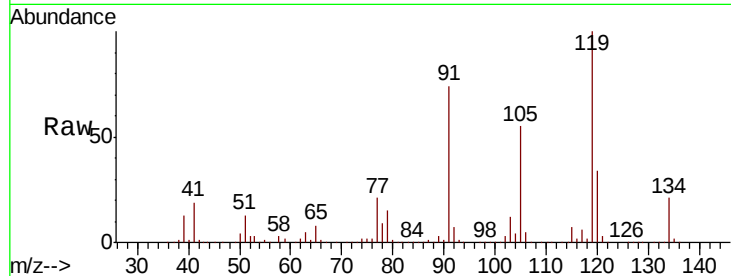
Tgt Ion: 120 Resp: 876261
 Ion Ratio Lower Upper
 120 100
 91 460.0 368.0 552.0



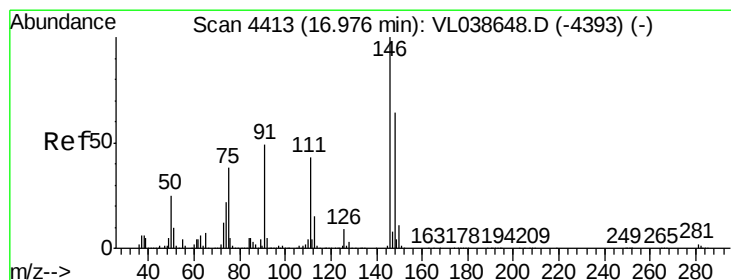
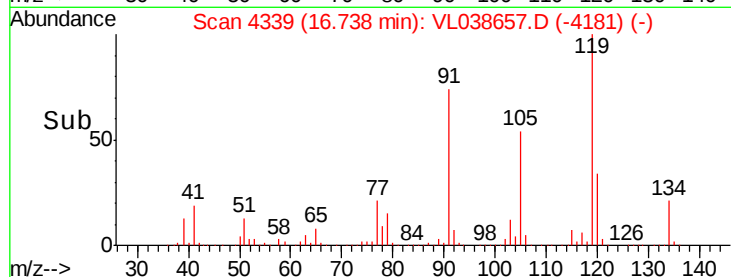
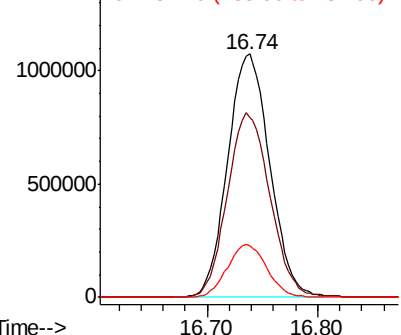


#65
 tert-Butylbenzene
 Concen: 7.581 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0321ABS01
 Acq: 21 Mar 2022 19:34

Tot Ion: 119 Resp: 2844838
 Ion Ratio Lower Upper
 119 100
 91 76.8 61.2 91.8
 134 20.5 16.3 24.5

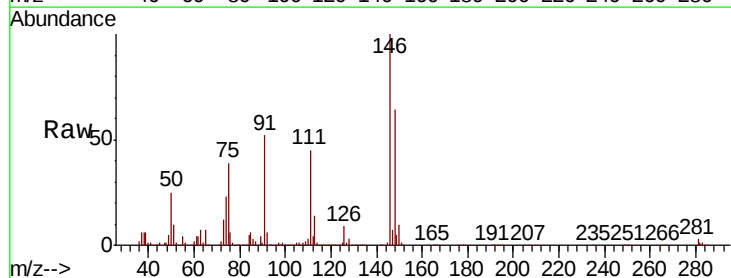


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

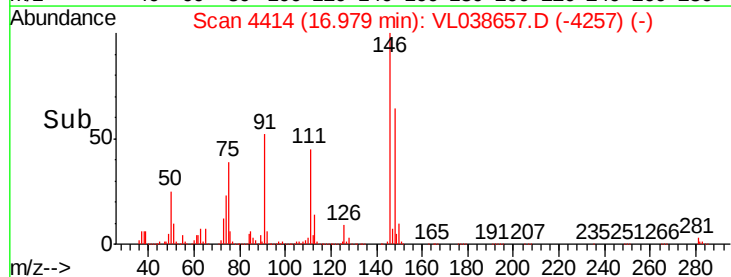
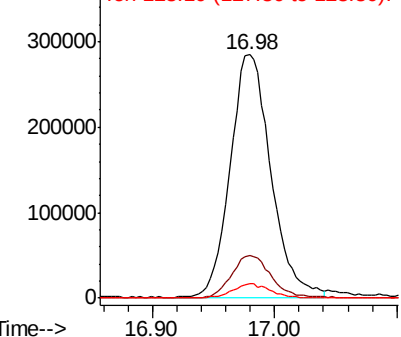


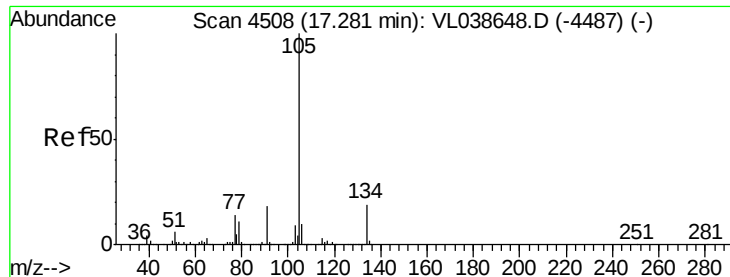
#66
 Benzyl Chloride
 Concen: 9.189 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T.: 0.00 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion: 91 Resp: 652937
 Ion Ratio Lower Upper
 91 100
 126 17.5 14.3 21.5
 128 5.6 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: 7.637 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

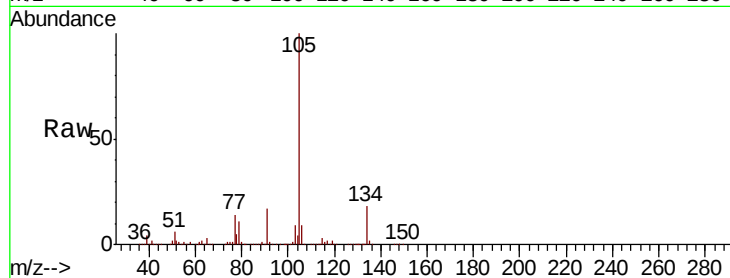
Acq: 21 Mar 2022 19:34

Tot Ion: 105 Resp: 4098578

Ion Ratio Lower Upper

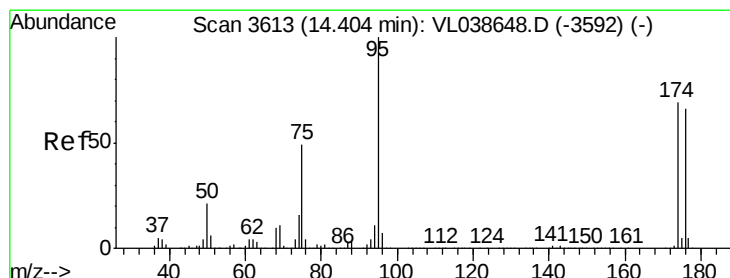
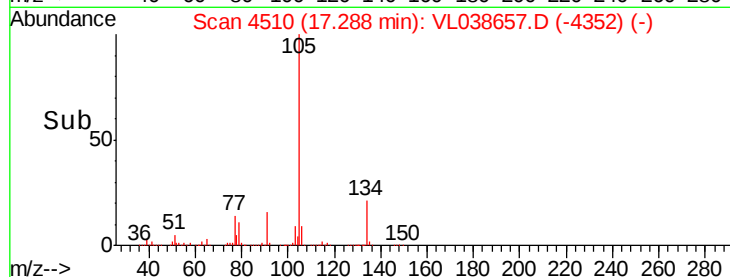
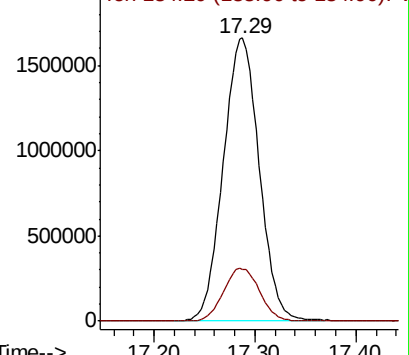
105 100

134 18.9 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: 8.201 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

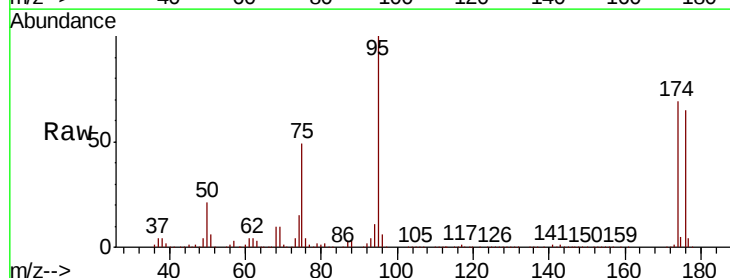
Tgt Ion: 95 Resp: 1798862

Ion Ratio Lower Upper

95 100

174 72.5 56.1 84.1

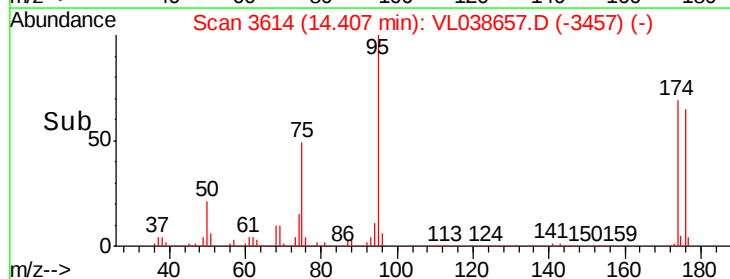
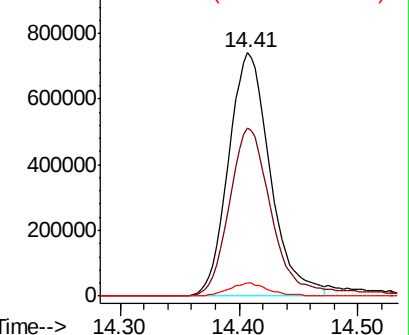
175 5.2 4.2 6.2

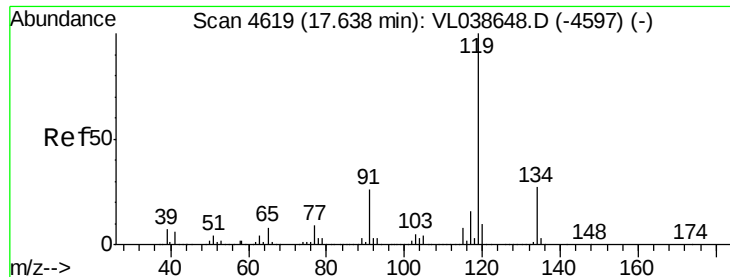


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.801 ppbv

RT: 17.64 min

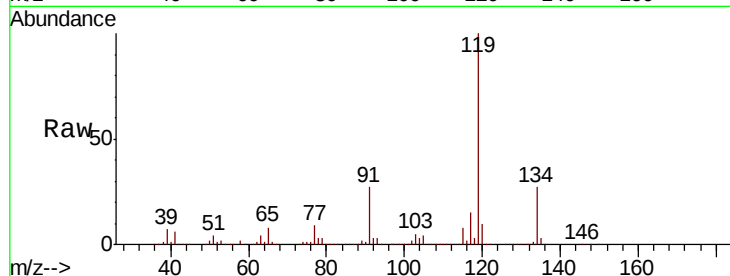
Delta R.T. 0.01 min

Lab File: VL0321ABS01

Acq: 21 Mar 2022 19:34

Tot Ion: 119 Resp: 3416600

Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	26.6	21.4	32.2

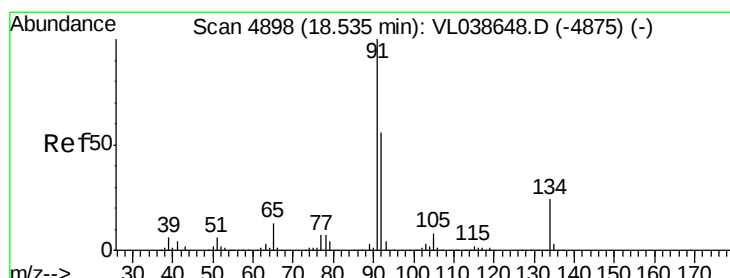
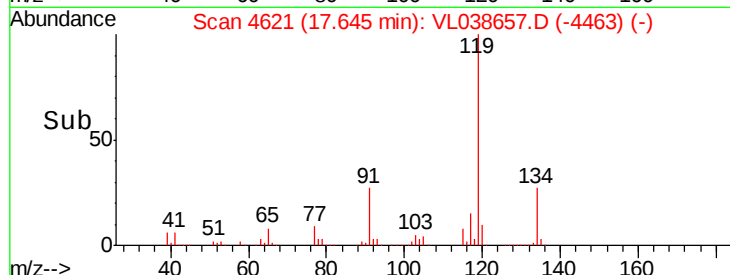
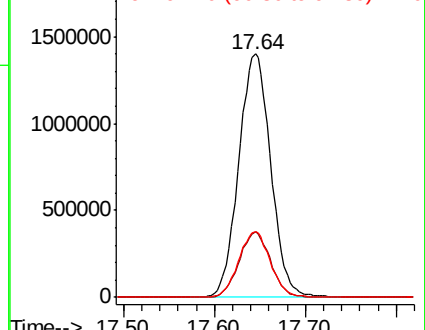


Abundance

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: 7.925 ppbv

RT: 18.54 min Scan# 4900

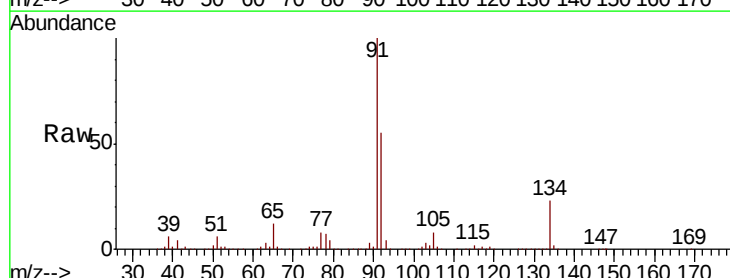
Delta R.T. 0.01 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Tgt Ion: 91 Resp: 3580192

Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.9	65.9
134	23.3	18.7	28.1

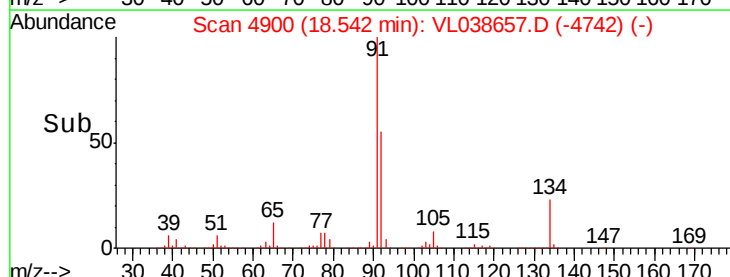
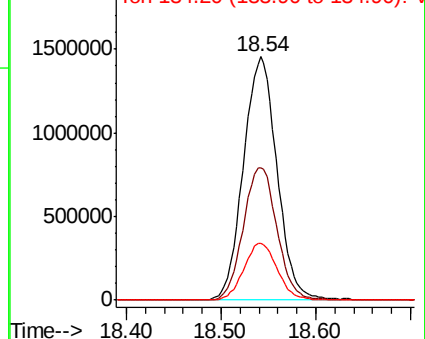


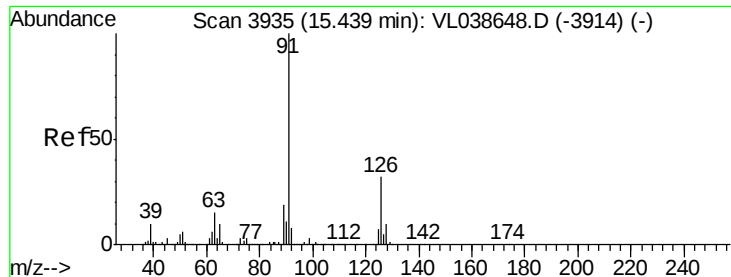
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

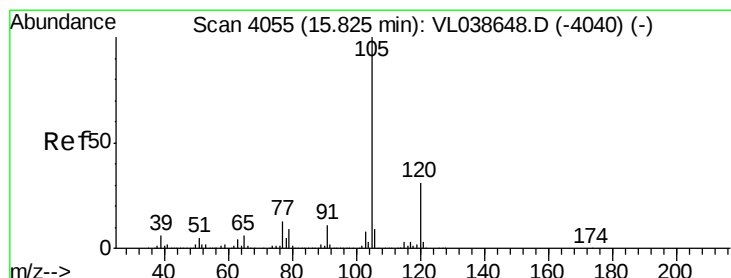
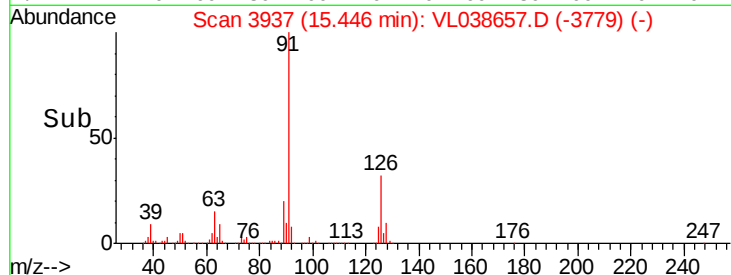
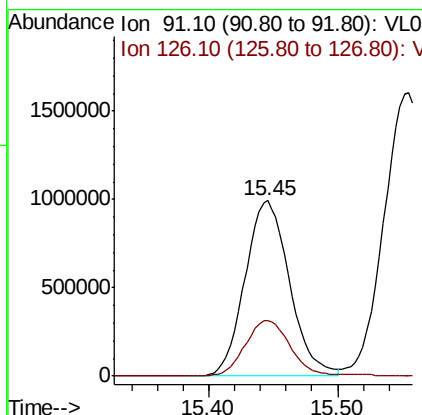
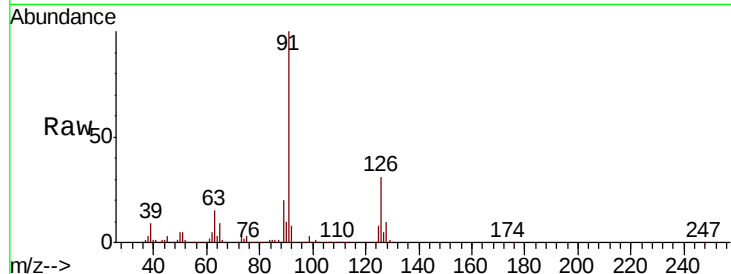
Ion 134.20 (133.90 to 134.90): V





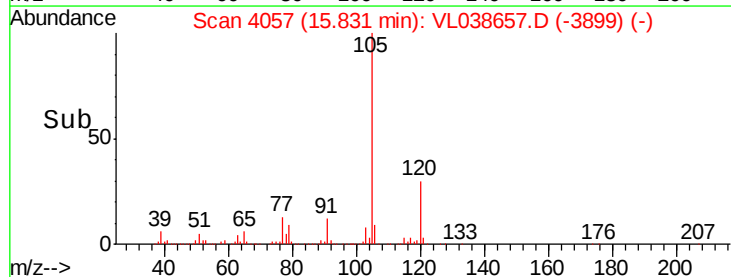
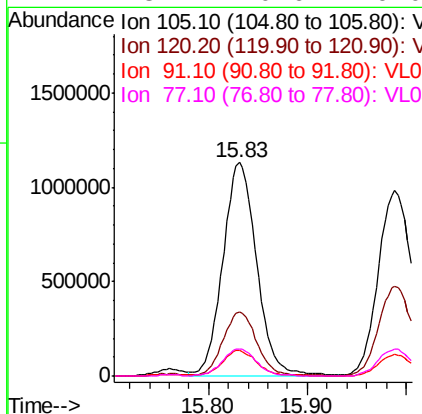
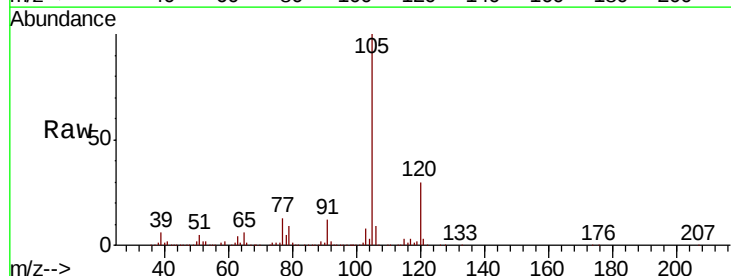
#71
 2-Chlorotoluene
 Concen: 7.712 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0321ABS01
 Acq: 21 Mar 2022 19:34

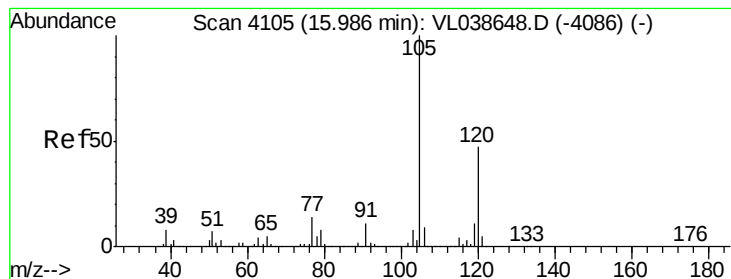
Tot Ion: 91 Resp: 2390307
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.264 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion:105 Resp: 2709911
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.9 37.3
 91 12.8 9.8 14.6
 77 13.4 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 7.955 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0321ABS01

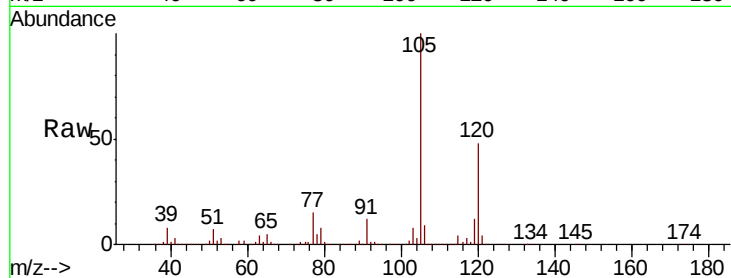
Acq: 21 Mar 2022 19:34

Tot Ion:105 Resp: 2377001

Ion Ratio Lower Upper

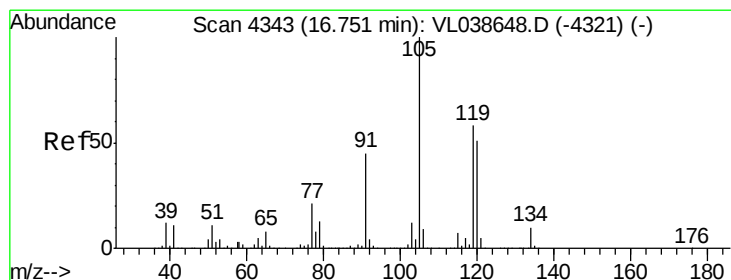
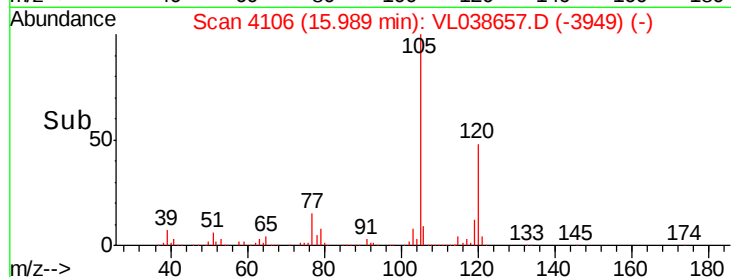
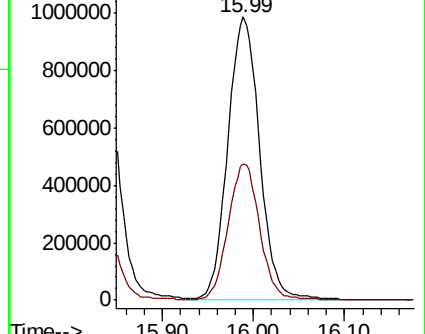
105 100

120 48.3 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: 7.706 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Tgt Ion:105 Resp: 2507893

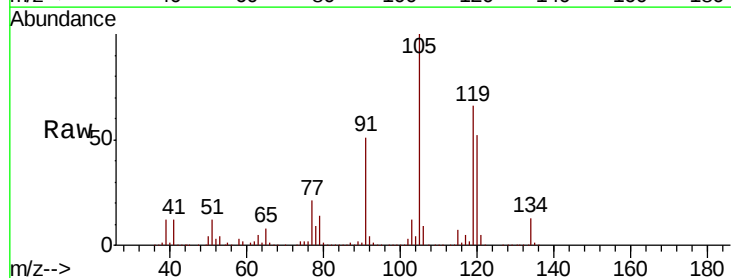
Ion Ratio Lower Upper

105 100

120 51.9 40.5 60.7

91 50.2 35.9 53.9

77 21.3 16.6 25.0

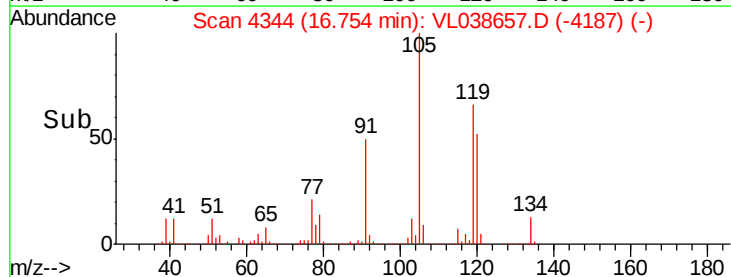
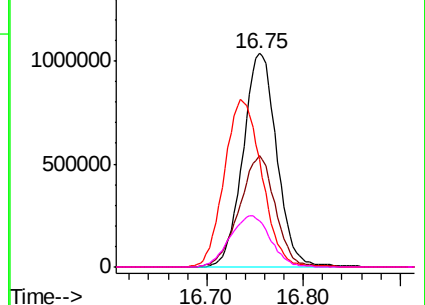


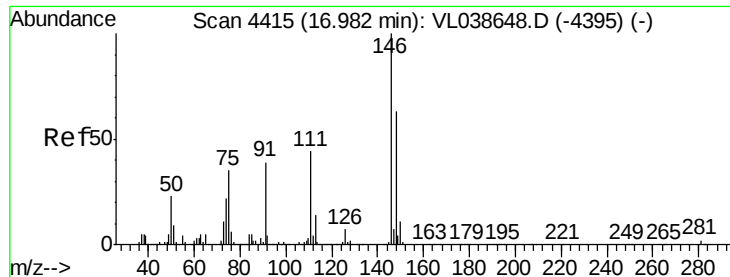
Abundance Ion 105.10 (104.80 to 105.80): V

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

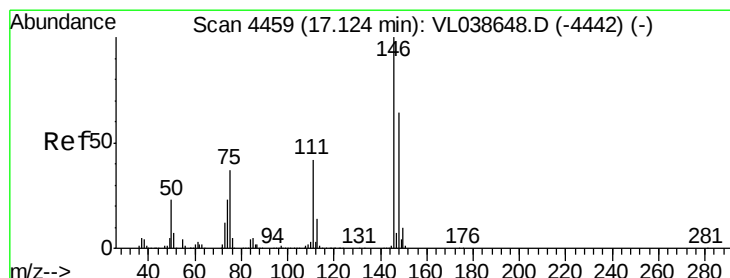
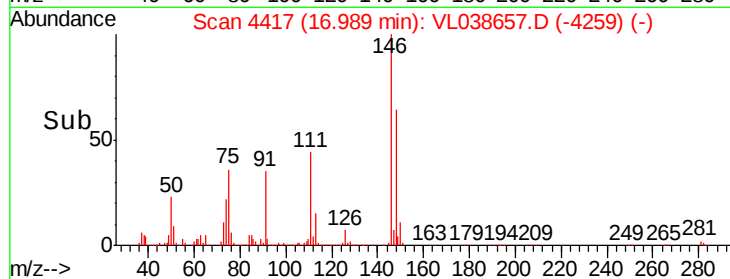
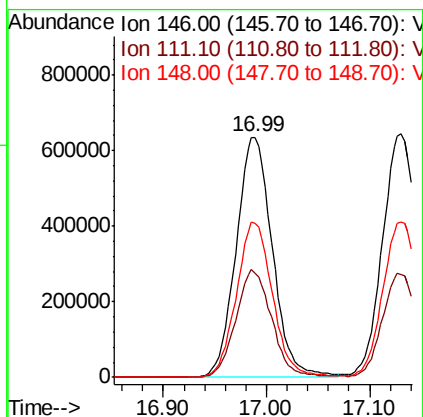
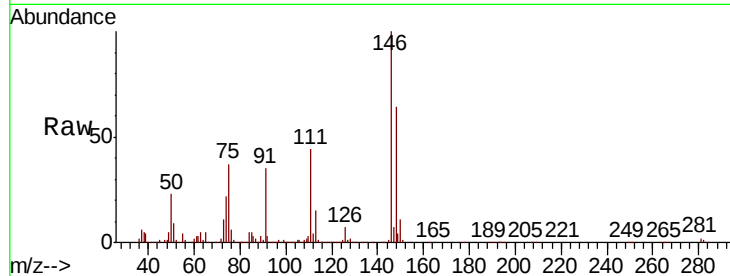




#75
 1,3-Dichlorobenzene
 Concen: 7.500 ppbv
 RT: 16.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0321ABS01
 Acq: 21 Mar 2022 19:34

Tot Ion:146 Resp: 1554872

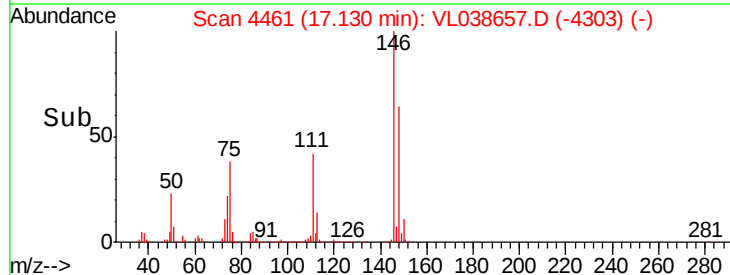
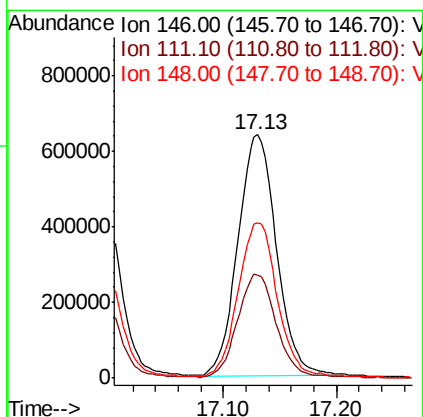
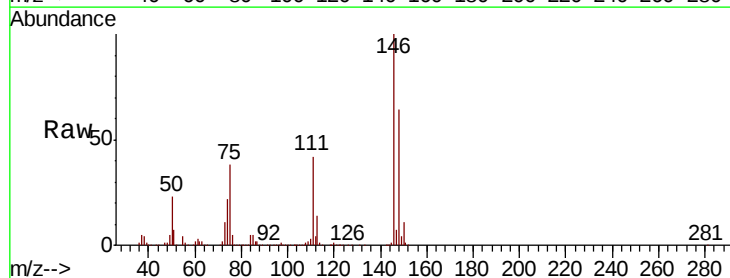
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	64.4	32.5	97.5

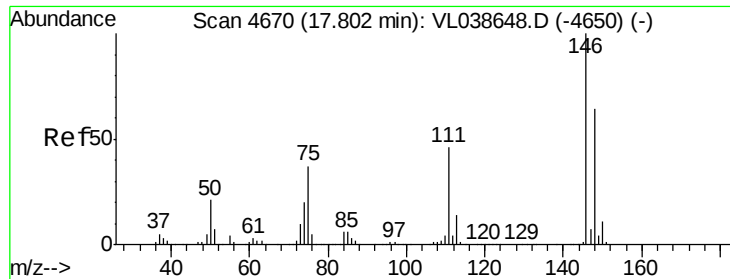


#76
 1,4-Dichlorobenzene
 Concen: 7.336 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T.: 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion:146 Resp: 1512453

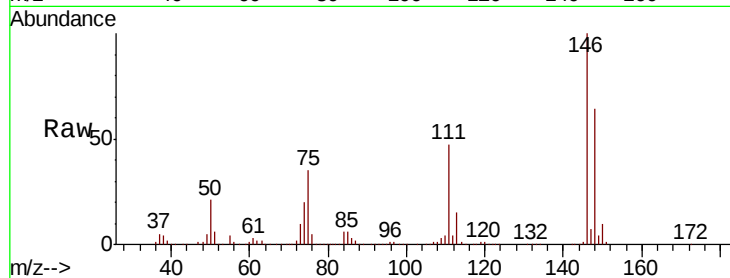
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.4	64.2
148	66.8	32.1	96.3



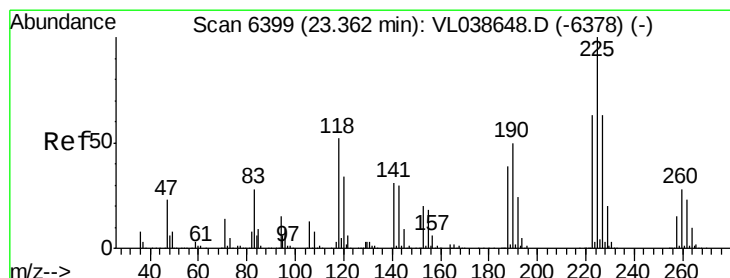
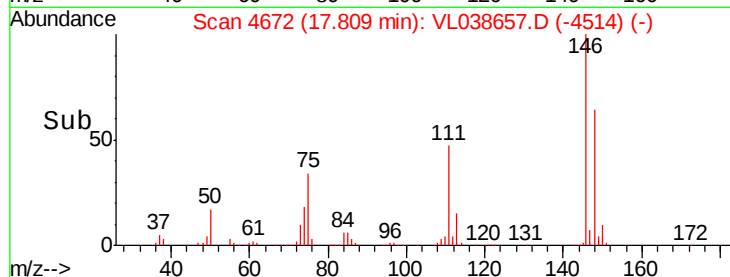
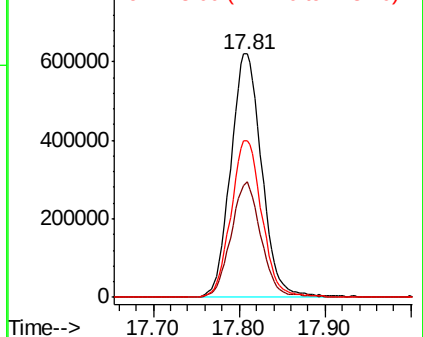


#77
 1,2-Dichlorobenzene
 Concen: 7.510 ppbv
 RT: 17.81 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0321ABS01
 Acq: 21 Mar 2022 19:34

Tot Ion:146 Resp: 1542247
 Ion Ratio Lower Upper
 146 100
 111 46.5 22.8 68.4
 148 64.6 32.5 97.4

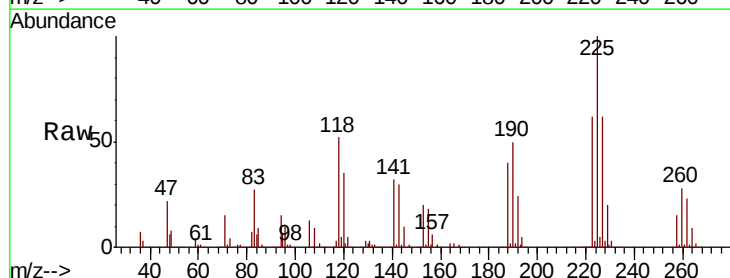


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

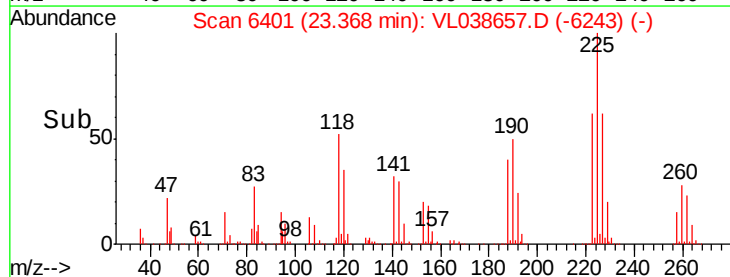
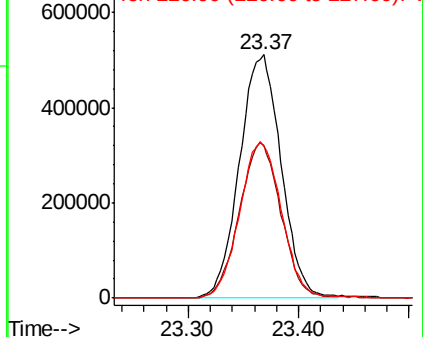


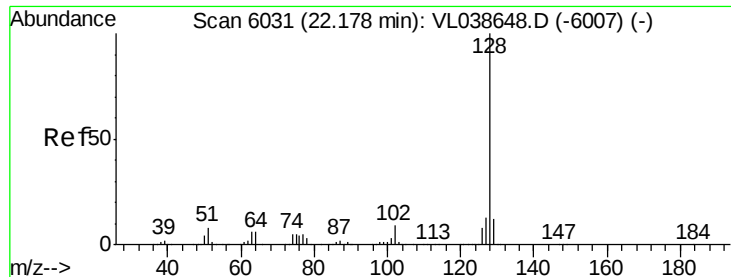
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.053 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion:225 Resp: 1338747
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.0 76.6
 227 65.1 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: 10.271 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 19:34

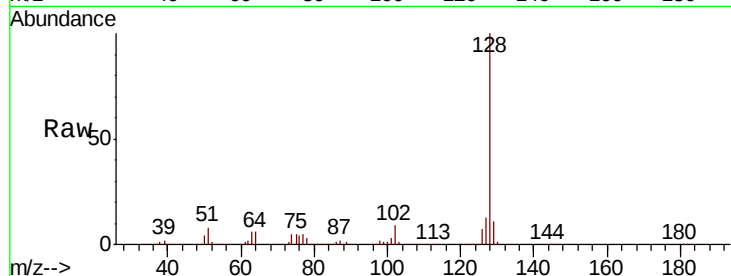
Tot Ion:128 Resp: 2553988

Ion Ratio Lower Upper

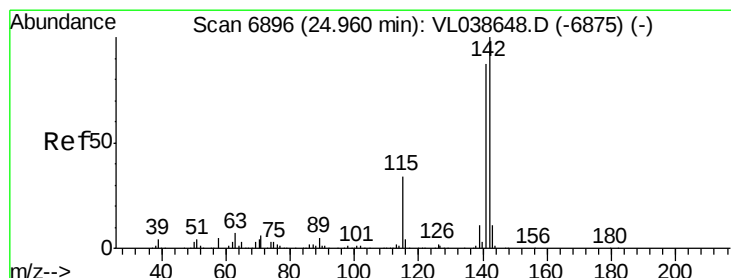
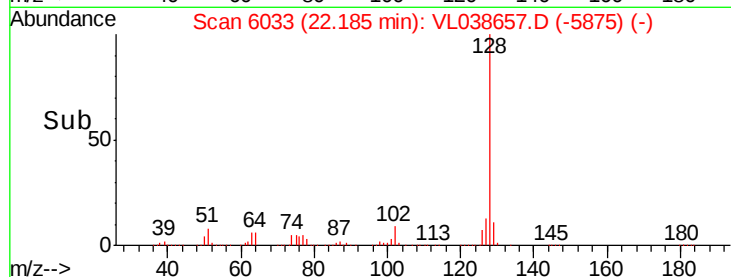
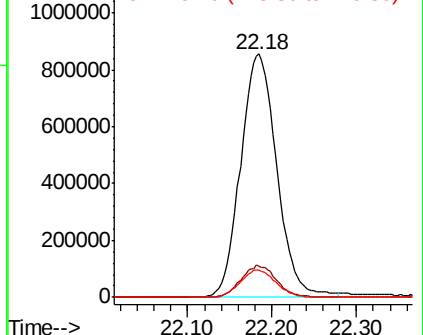
128 100

127 12.6 10.2 15.4

129 11.3 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: 8.074 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

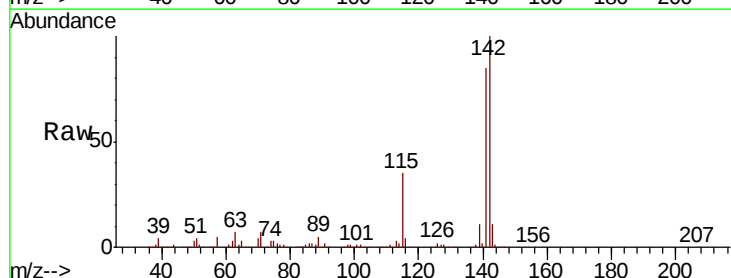
Tgt Ion:142 Resp: 538390

Ion Ratio Lower Upper

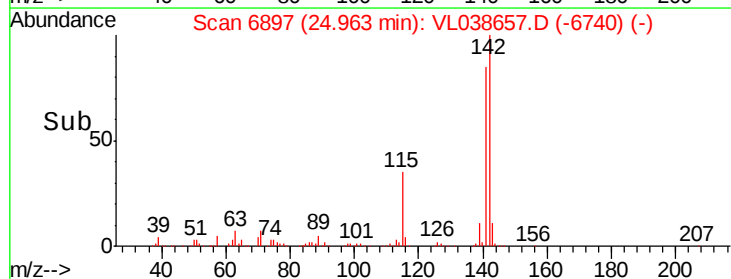
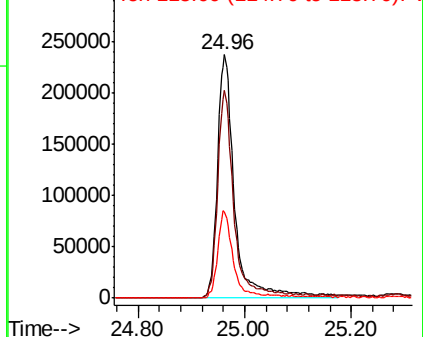
142 100

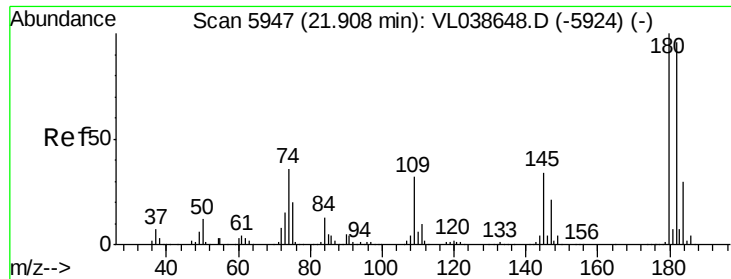
141 82.3 66.4 99.6

115 32.7 27.8 41.6



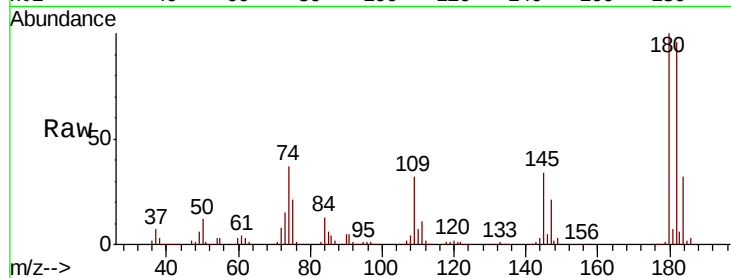
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.466 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0321ABS01
 Acq: 21 Mar 2022 19:34

Tot Ion:180 Resp: 1441163
 Ion Ratio Lower Upper
 180 100
 182 98.0 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

