

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030822\
 Data File : VL038569.D
 Acq On : 9 Mar 2022 3:57
 Operator : SY/AP
 Sample : VL0308ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 09 07:38:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	913832	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2416432	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2785116	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1708351	8.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1337531	9.690	ppbv 100
3) Chlorodifluoromethane	2.99	51	1509644	9.369	ppbv 98
4) Chloromethane	3.14	50	583793	9.774	ppbv 99
5) Vinyl Chloride	3.26	62	562260	9.378	ppbv 99
6) Bromomethane	3.47	94	314459	9.772	ppbv 97
7) Chloroethane	3.56	64	184227	9.490	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1281753	9.580	ppbv 98
9) Propene	3.01	41	562465	9.892	ppbv 100
10) Heptane	8.11	43	1361002	10.006	ppbv 99
11) Trichlorofluoromethane	3.95	101	1143989	9.453	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	893756	9.499	ppbv 98
13) Ethanol	3.61	45	19897	3.046	ppbv # 1
14) Bromoethene	3.74	108	413318	10.309	ppbv 99
15) Acetone	3.84	43	655796	10.174	ppbv 97
16) 1,3-Butadiene	3.32	39	503991	9.730	ppbv 97
17) tert-Butyl alcohol	4.28	59	689064	9.839	ppbv 99
18) 1,1-Dichloroethene	4.29	96	414851	9.852	ppbv 95
19) Isopropyl Alcohol	3.96	45	415413	9.652	ppbv 100
20) Methylene Chloride	4.34	84	335722	8.655	ppbv 98
21) Allyl Chloride	4.41	41	624645	10.055	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	441588	10.004	ppbv 96
23) Vinyl Acetate	5.06	43	985878	10.670	ppbv 99
24) 1,1-Dichloroethane	5.00	63	801547	9.538	ppbv 99
25) Ethyl Acetate	5.67	43	2155151	9.928	ppbv 100
26) Hexane	5.68	57	1003439	9.843	ppbv 99
27) Carbon Disulfide	4.55	76	1071825	10.556	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	818132	9.861	ppbv 100
29) Chloroform	5.74	83	1522910	9.599	ppbv 99
30) Cyclohexane	7.12	84	880168	9.983	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	976153	10.010	ppbv 96
32) 1,1,1-Trichloroethane	6.50	97	1472589	9.571	ppbv 99
34) 2-Butanone	5.24	43	661725	10.565	ppbv 98
35) Carbon Tetrachloride	7.01	117	1535101	9.314	ppbv 98
36) Benzene	6.88	78	2154424	9.880	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1025191	9.838	ppbv 99
38) Trichloroethene	7.83	130	805837	9.251	ppbv 98
39) 1,2-Dichloropropane	7.60	63	827892	9.872	ppbv 97
40) 1,4-Dioxane	7.82	88	217008	10.339	ppbv 86
41) Tetrahydrofuran	6.04	42	516227	10.074	ppbv 97
42) Bromodichloromethane	7.78	83	1627797	9.852	ppbv 98
43) Methyl Methacrylate	8.00	69	781239	10.437	ppbv 97

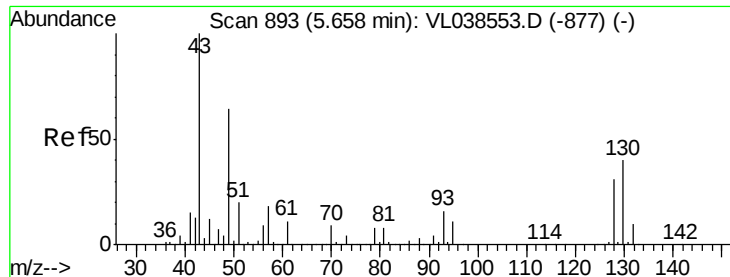
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030822\
 Data File : VL038569.D
 Acq On : 9 Mar 2022 3:57
 Operator : SY/AP
 Sample : VL0308ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 09 07:38:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3510774	9.522	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	617658	11.450	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	809296	10.972	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	865178	10.123	ppbv	98
48) Dibromochloromethane	10.29	129	1464131	10.789	ppbv	100
49) Bromoform	13.02	173	1209467	11.636	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1308945	10.194	ppbv	99
51) 2-Hexanone	10.12	43	568949	10.486	ppbv #	100
52) Tetrachloroethene	11.21	164	766991	9.596	ppbv	96
53) Toluene	9.79	91	2420538	10.399	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1252765	10.258	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	926538	8.167	ppbv	97
57) Chlorobenzene	12.13	112	1698170	7.986	ppbv	99
58) Ethyl Benzene	12.70	91	3049207	8.456	ppbv	98
59) m/p-Xylene	12.98	91	2556903	8.282	ppbv #	31
60) o-Xylene	13.68	91	2364012	8.110	ppbv	98
61) Styrene	13.51	104	1341103	9.336	ppbv	99
62) Isopropylbenzene	14.65	105	3334140	8.289	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1822347	7.399	ppbv	100
64) n-propylbenzene	15.55	120	902363	8.803	ppbv	96
65) tert-Butylbenzene	16.73	119	2901071	8.065	ppbv	99
66) Benzyl Chloride	16.97	91	175228	8.221	ppbv	98
67) sec-Butylbenzene	17.28	105	4127227	8.073	ppbv	100
69) p-Isopropyltoluene	17.64	119	3387458	7.998	ppbv	99
70) n-Butylbenzene	18.54	91	3482916	7.722	ppbv	100
71) 2-Chlorotoluene	15.44	91	2507591	8.396	ppbv	99
72) 4-Ethyltoluene	15.82	105	2941428	8.784	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	2561345	8.240	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	2644099	7.963	ppbv #	94
75) 1,3-Dichlorobenzene	16.98	146	1681034	8.024	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1625332	7.832	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1616264	7.625	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1278491	6.184	ppbv	100
79) Naphthalene	22.17	128	2456956	8.225	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	624688	11.848	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1371535	7.185	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 3:57

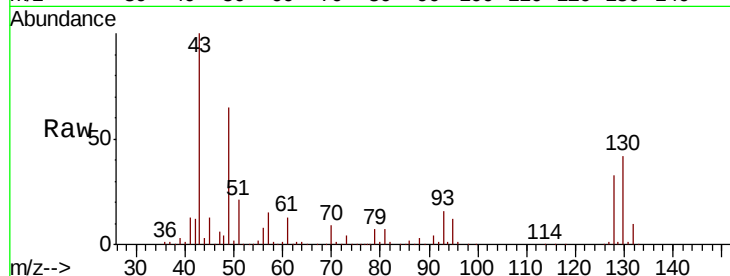
Tot Ion: 49 Resp: 913832

Ion Ratio Lower Upper

49 100

128 53.6 26.4 79.2

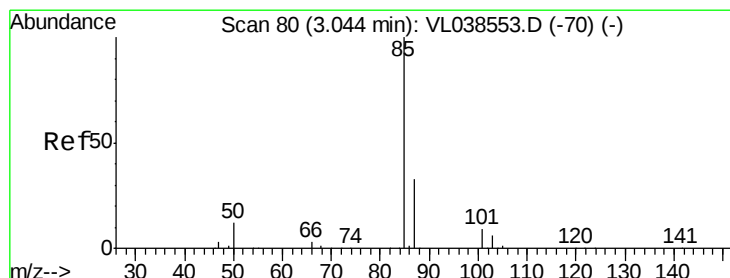
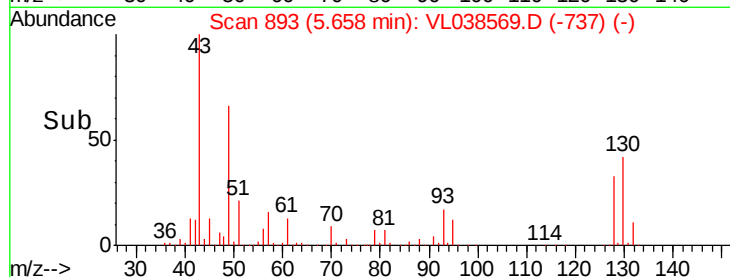
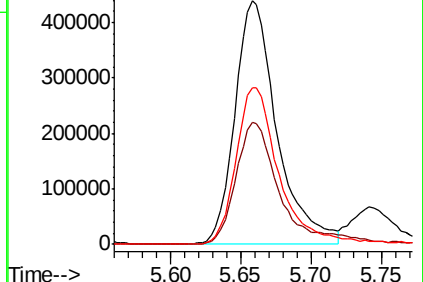
130 66.8 33.0 98.9



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: 9.690 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL038569.D

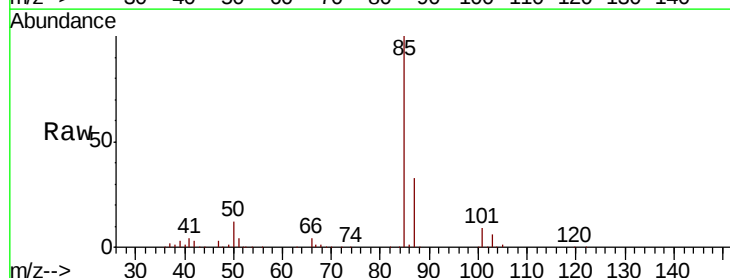
Acq: 9 Mar 2022 3:57

Tgt Ion: 85 Resp: 1337531

Ion Ratio Lower Upper

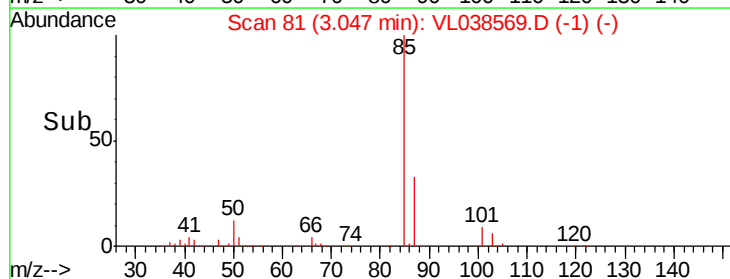
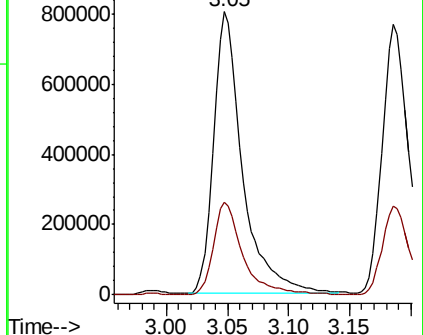
85 100

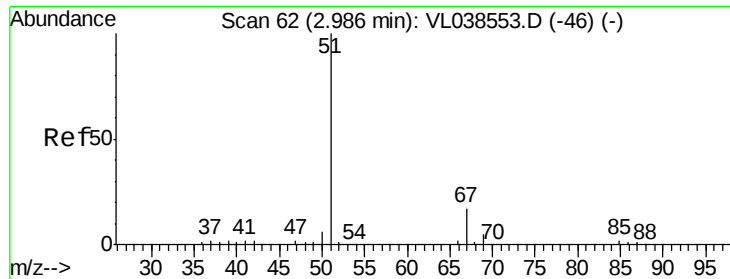
87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.369 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

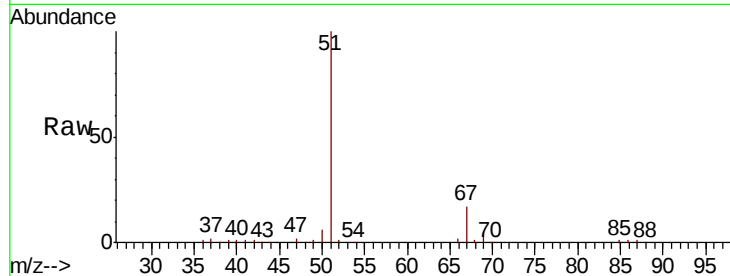
Acq: 9 Mar 2022 3:57

Tot Ion: 51 Resp: 1509644

Ion Ratio Lower Upper

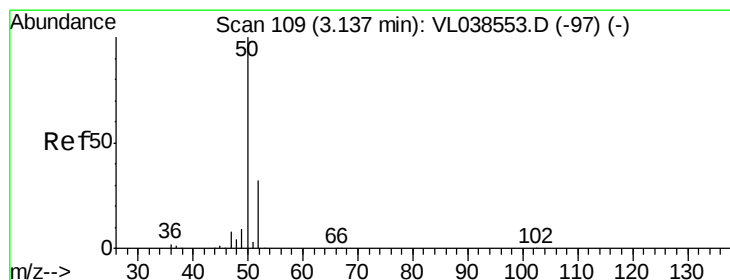
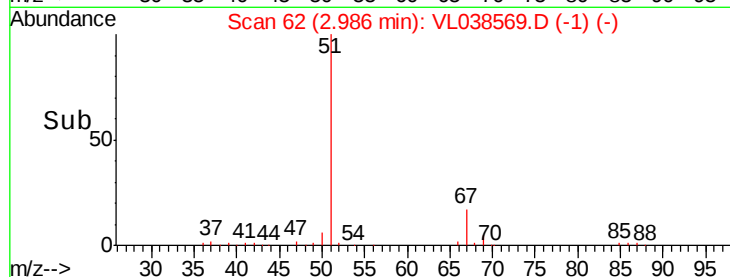
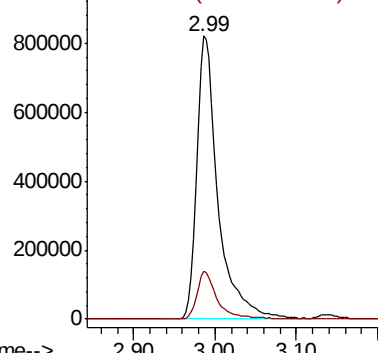
51 100

67 16.3 13.6 20.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.774 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038569.D

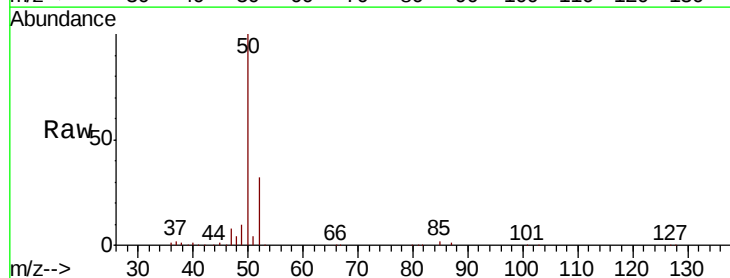
Acq: 9 Mar 2022 3:57

Tgt Ion: 50 Resp: 583793

Ion Ratio Lower Upper

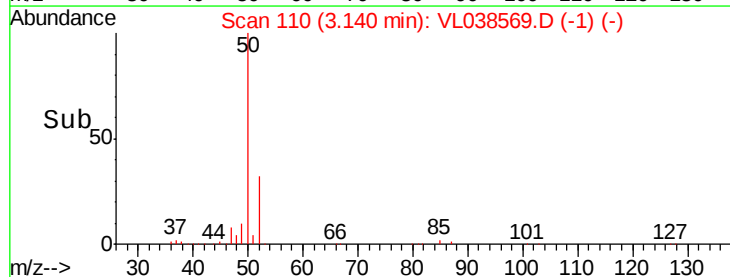
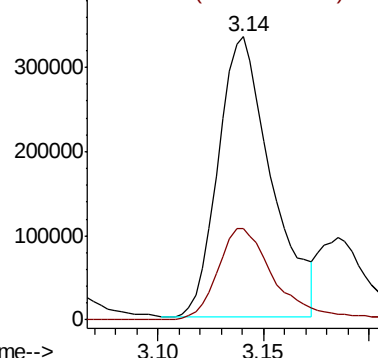
50 100

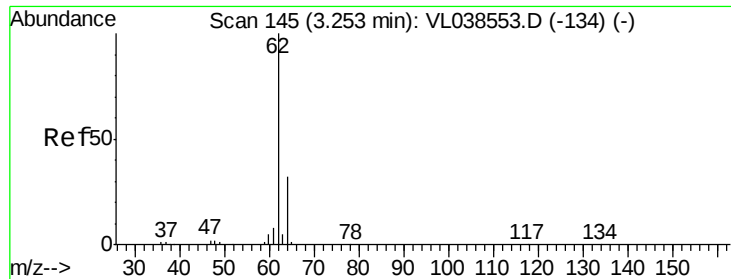
52 32.6 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

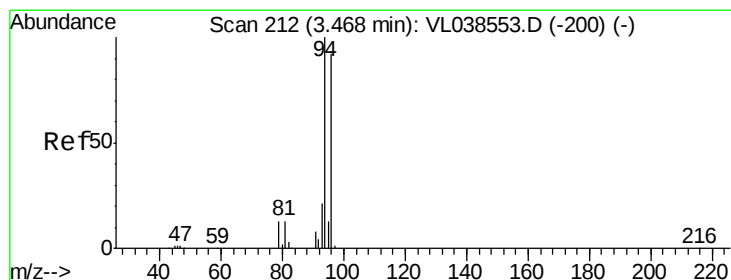
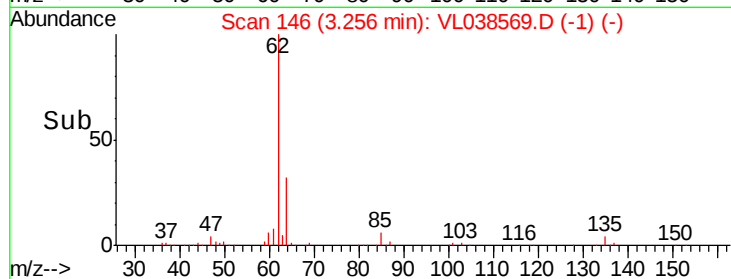
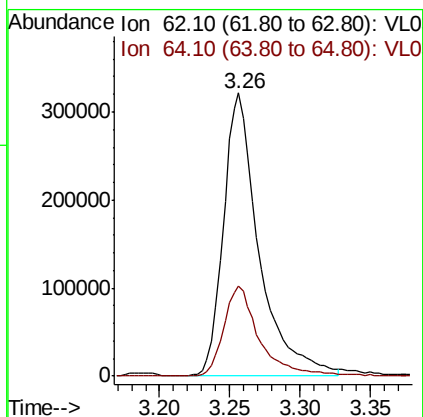
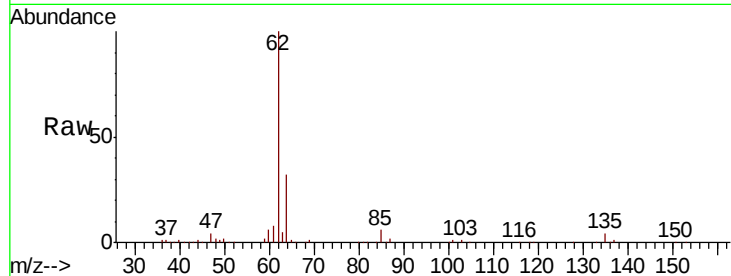
Ion 52.10 (51.80 to 52.80): VL0





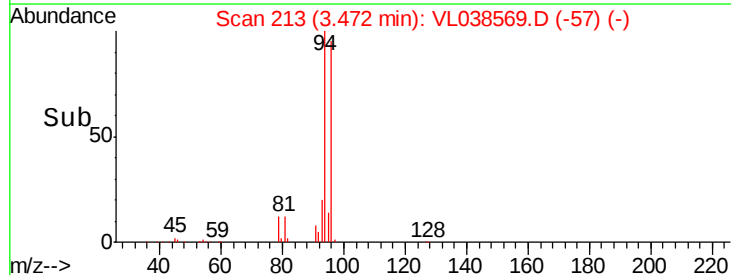
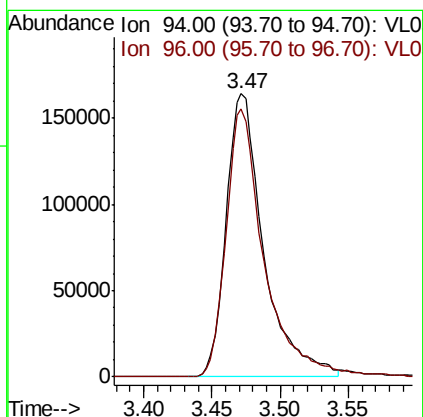
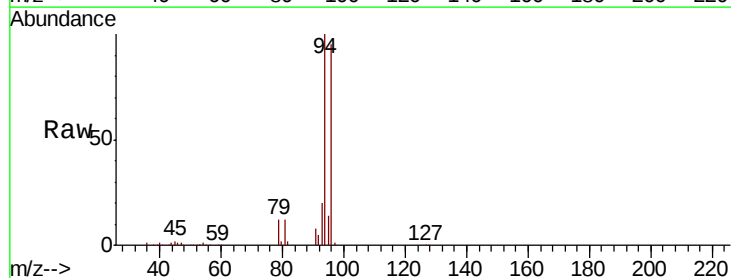
#5
 Vinyl Chloride
 Concen: 9.378 ppbv
 RT: 3.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 3:57

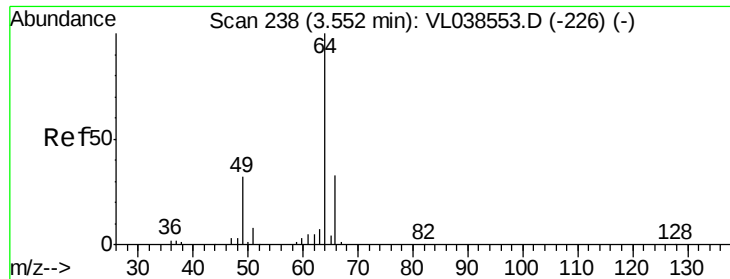
Tot Ion: 62 Resp: 562260
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.8 38.6



#6
 Bromomethane
 Concen: 9.772 ppbv
 RT: 3.47 min Scan# 213
 Delta R.T. 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 94 Resp: 314459
 Ion Ratio Lower Upper
 94 100
 96 94.8 73.7 110.5





#7

Chloroethane

Concen: 9.490 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

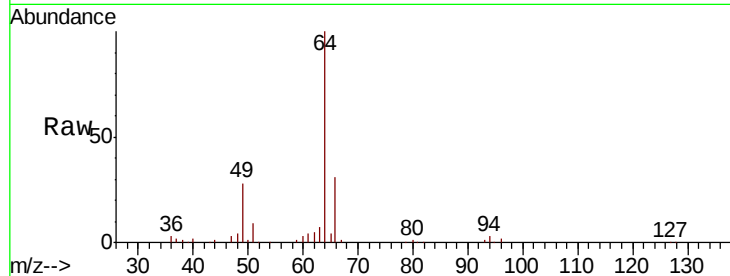
Acq: 9 Mar 2022 3:57

Tot Ion: 64 Resp: 184227

Ion Ratio Lower Upper

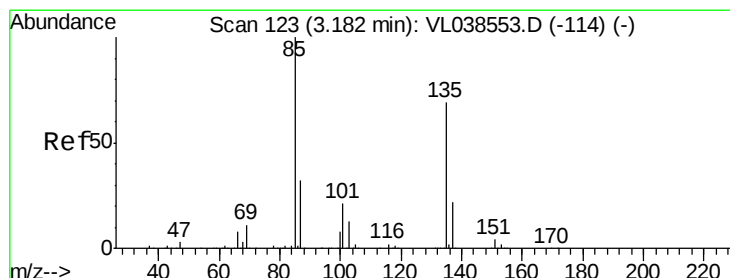
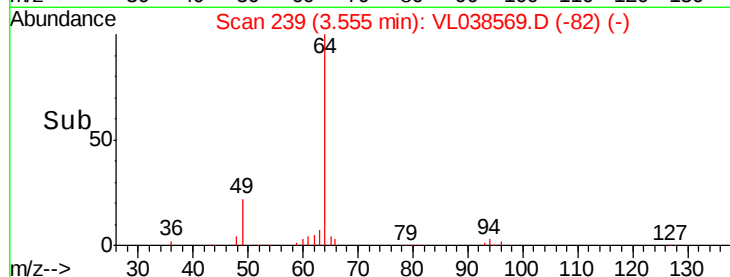
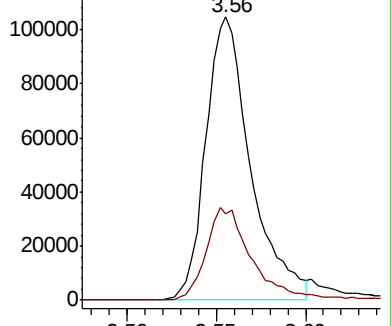
64 100

66 30.6 26.6 39.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.580 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL038569.D

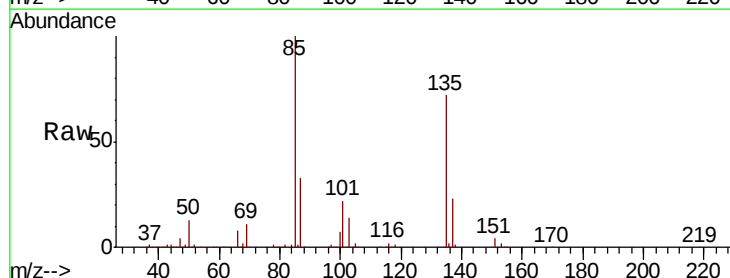
Acq: 9 Mar 2022 3:57

Tgt Ion: 85 Resp: 1281753

Ion Ratio Lower Upper

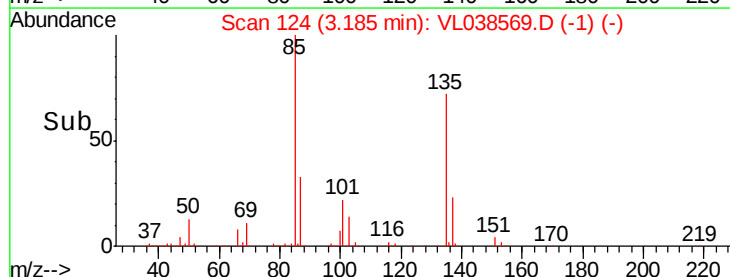
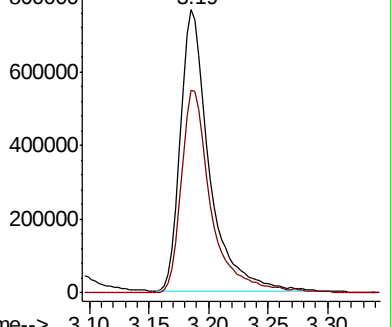
85 100

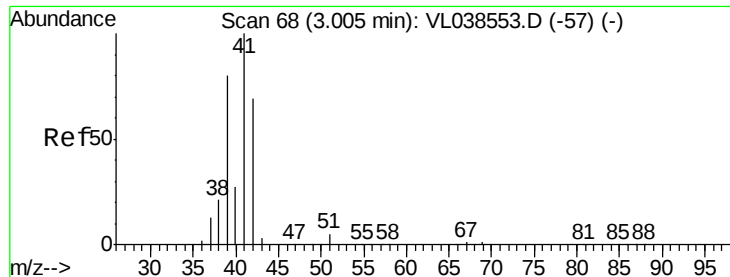
135 75.3 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.892 ppbv

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

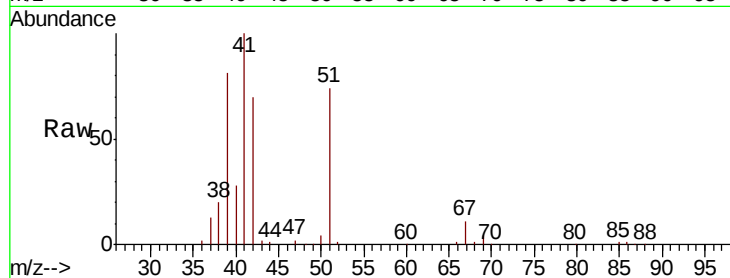
Acq: 9 Mar 2022 3:57

Tot Ion: 41 Resp: 562465

Ion Ratio Lower Upper

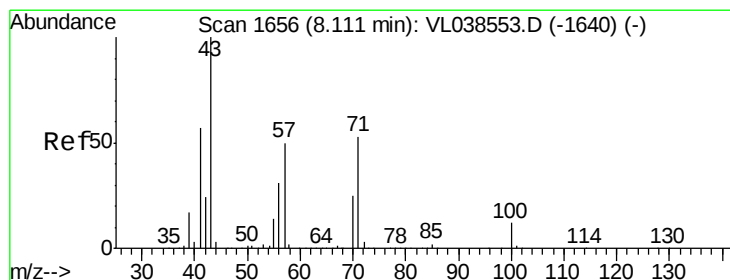
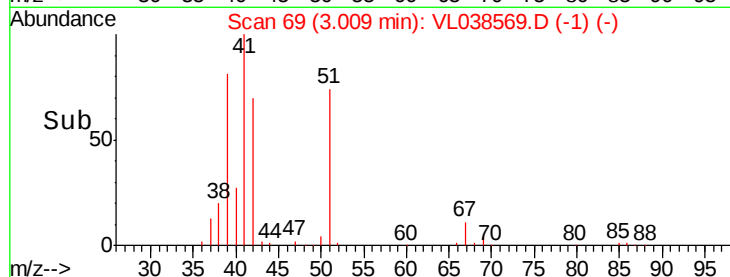
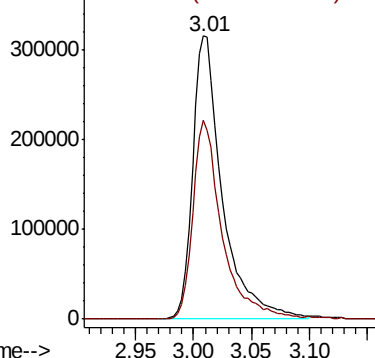
41 100

42 69.6 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.006 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL038569.D

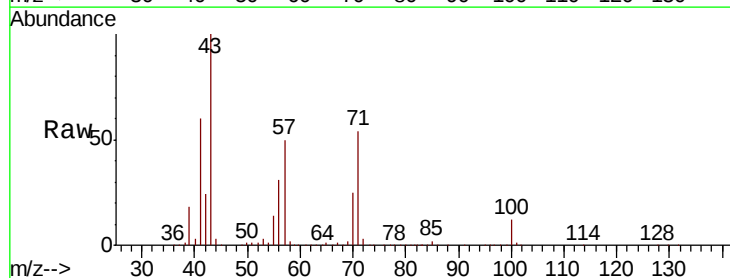
Acq: 9 Mar 2022 3:57

Tgt Ion: 43 Resp: 1361002

Ion Ratio Lower Upper

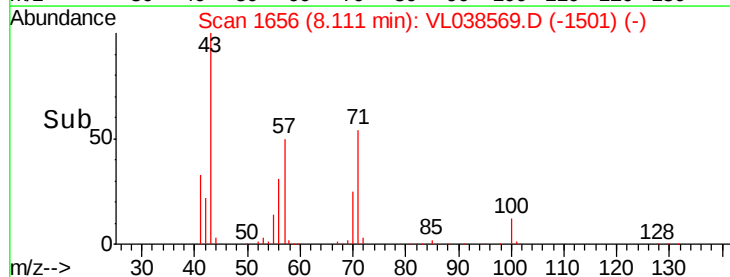
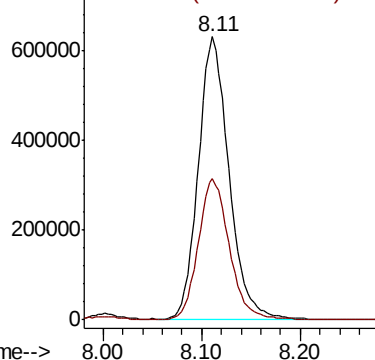
43 100

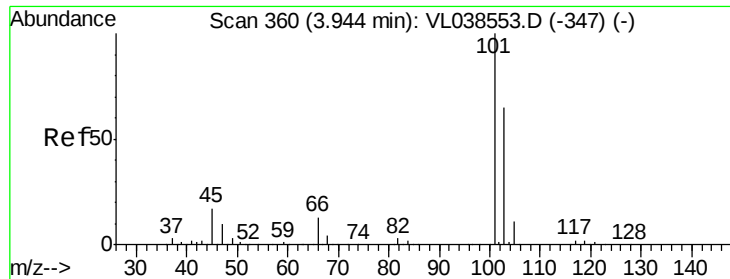
57 50.3 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

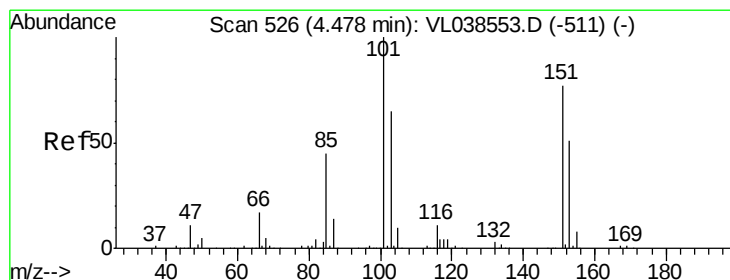
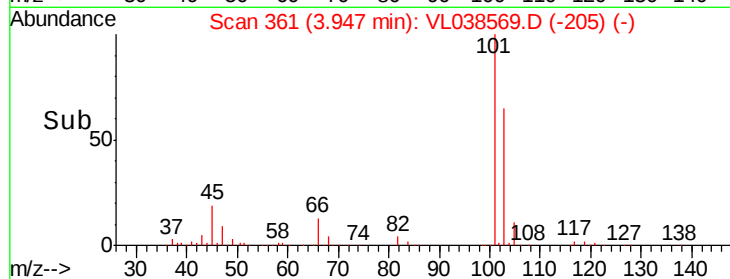
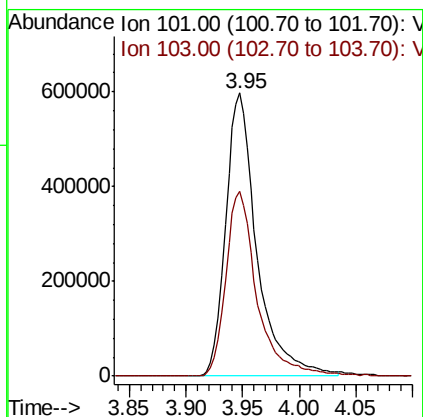
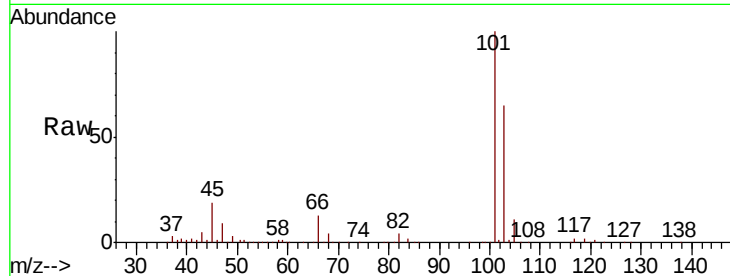
Ion 57.10 (56.80 to 57.80): VL0





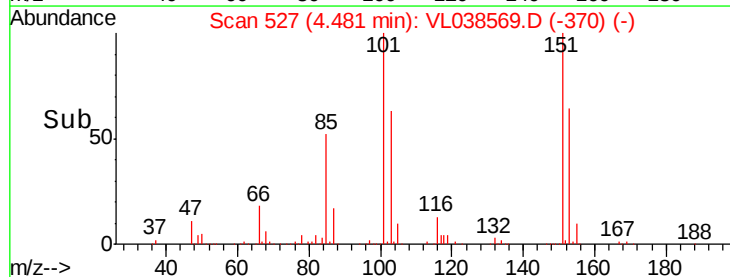
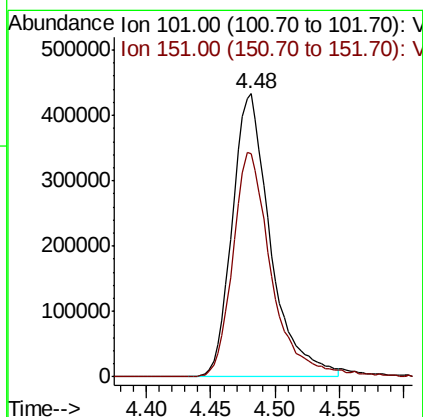
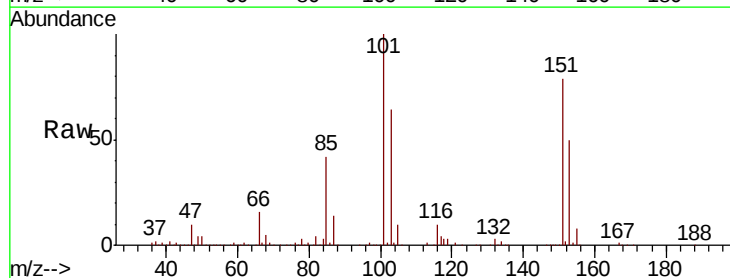
#11
 Trichlorofluoromethane
 Concen: 9.453 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

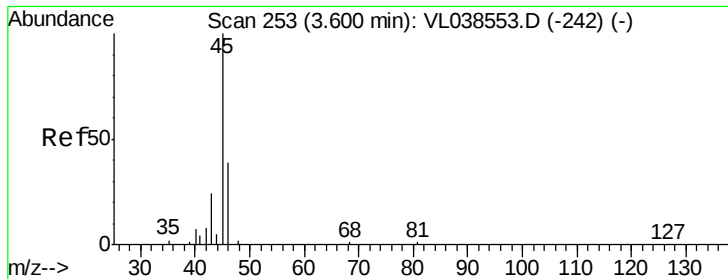
Tot Ion:101 Resp: 1143989
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.499 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

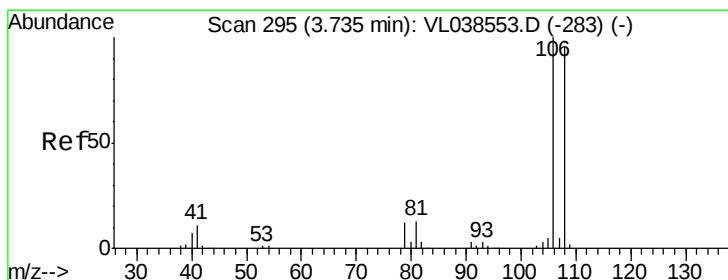
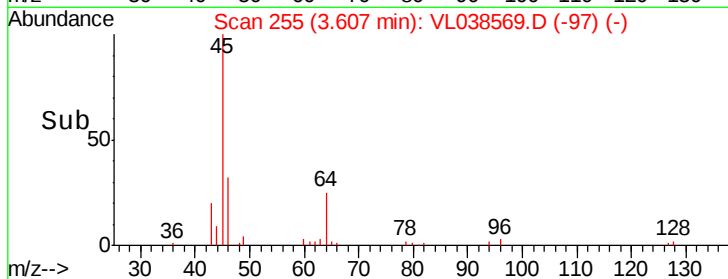
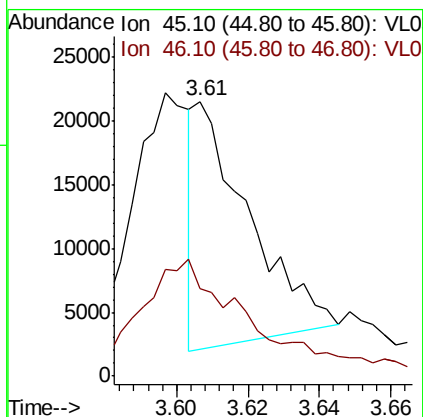
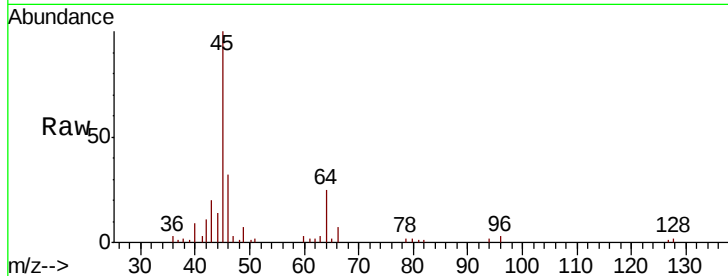
Tgt Ion:101 Resp: 893756
 Ion Ratio Lower Upper
 101 100
 151 80.8 63.4 95.0





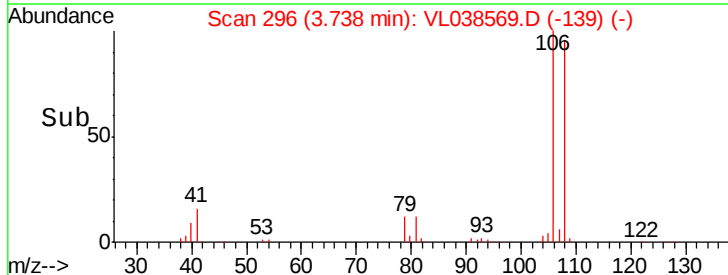
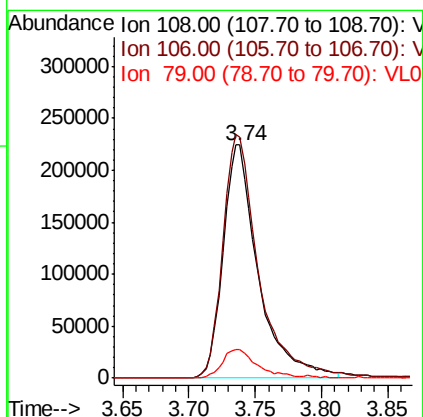
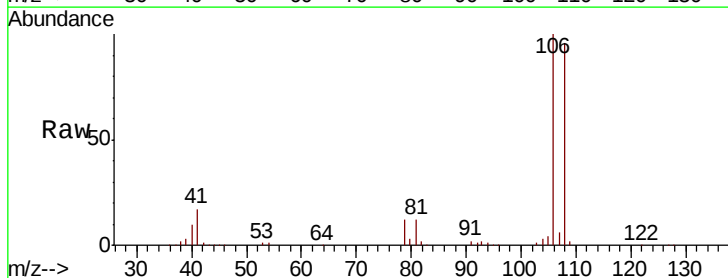
#13
 Ethanol
 Concen: 3.046 ppbv
 RT: 3.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

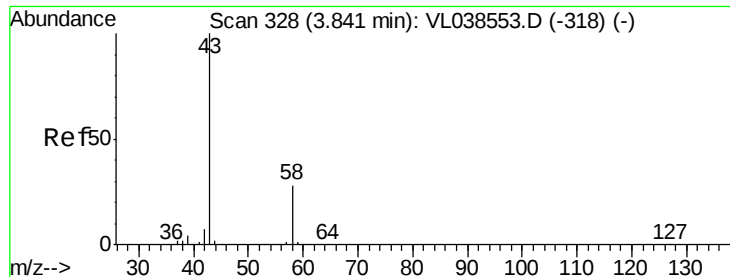
Tot Ion: 45 Resp: 19897
 Ion Ratio Lower Upper
 45 100
 46 113.3 16.8 67.0#



#14
 Bromoethene
 Concen: 10.309 ppbv
 RT: 3.74 min Scan# 296
 Delta R.T. 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 108 Resp: 413318
 Ion Ratio Lower Upper
 108 100
 106 108.0 85.9 128.9
 79 13.0 11.0 16.6





#15

Acetone

Concen: 10.174 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

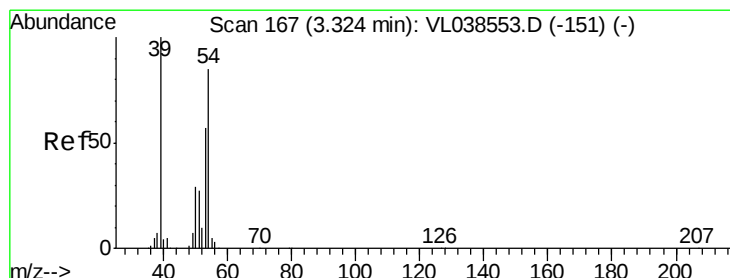
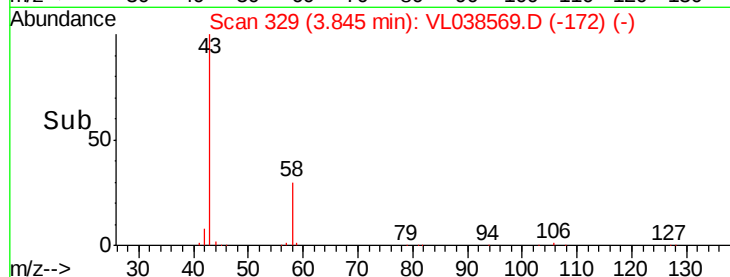
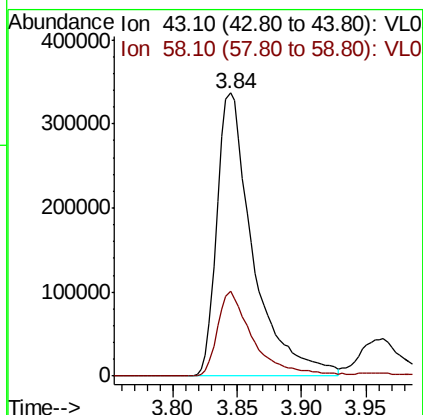
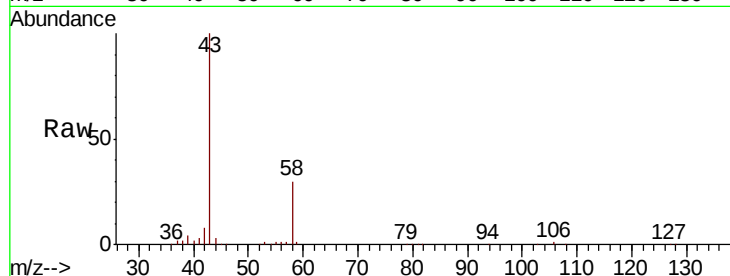
Acq: 9 Mar 2022 3:57

Tot Ion: 43 Resp: 655796

Ion Ratio Lower Upper

43 100

58 29.8 22.7 34.1



#16

1,3-Butadiene

Concen: 9.730 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL038569.D

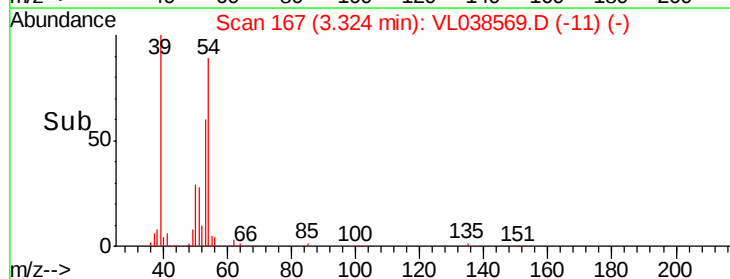
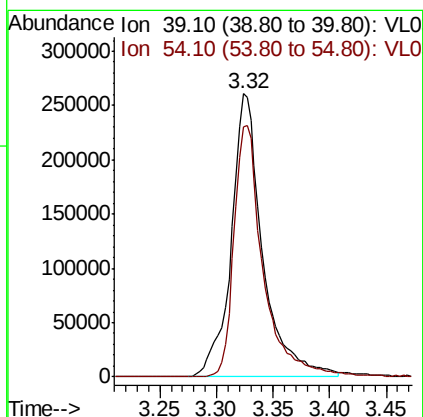
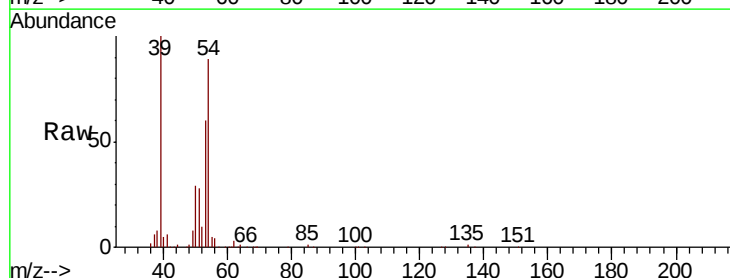
Acq: 9 Mar 2022 3:57

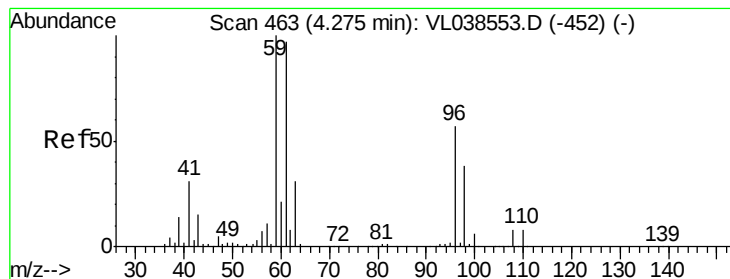
Tgt Ion: 39 Resp: 503991

Ion Ratio Lower Upper

39 100

54 83.3 64.2 96.2





#17

tert-Butyl alcohol

Concen: 9.839 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

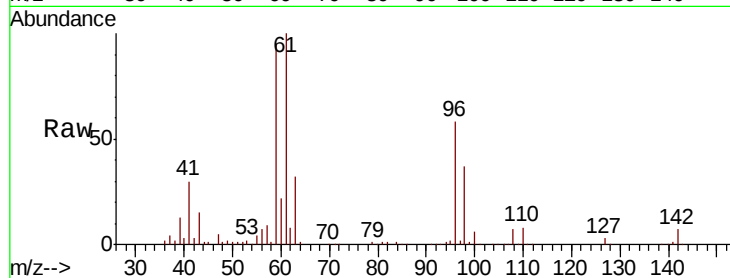
Acq: 9 Mar 2022 3:57

Tot Ion: 59 Resp: 689064

Ion Ratio Lower Upper

59 100

57 10.4 8.1 12.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

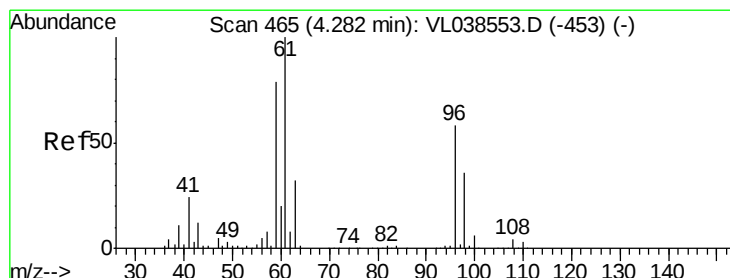
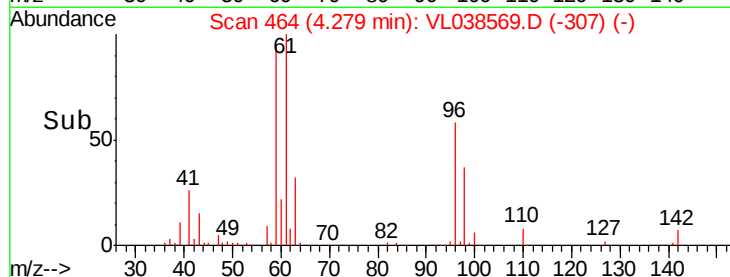
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.852 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

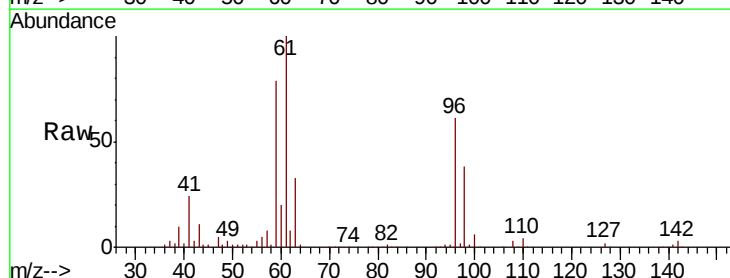
Tgt Ion: 96 Resp: 414851

Ion Ratio Lower Upper

96 100

61 163.7 137.4 206.0

98 62.7 49.3 73.9



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

500000

400000

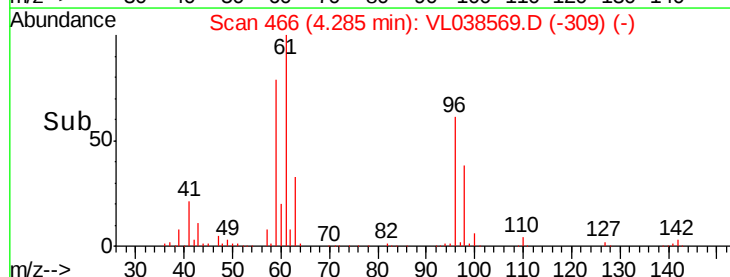
300000

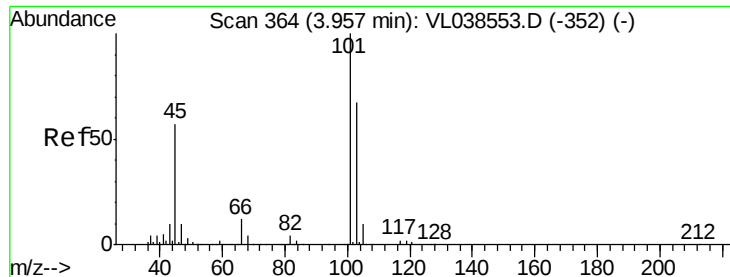
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.652 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

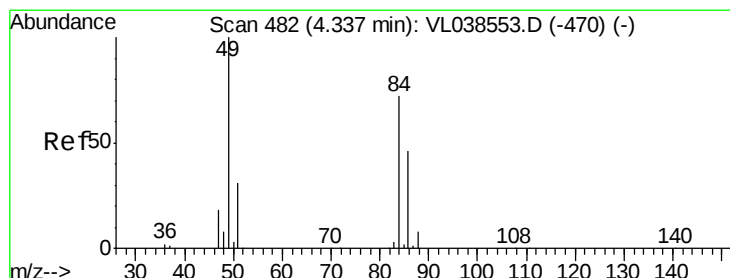
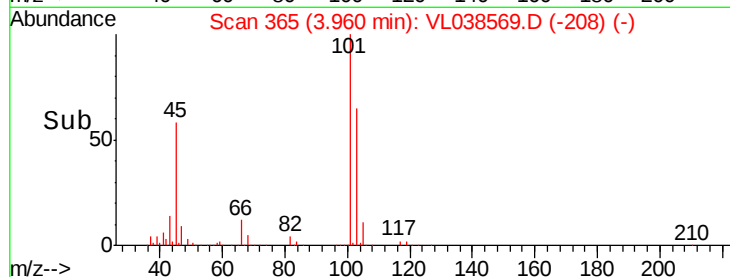
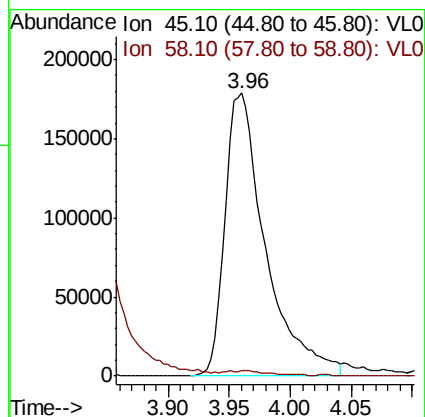
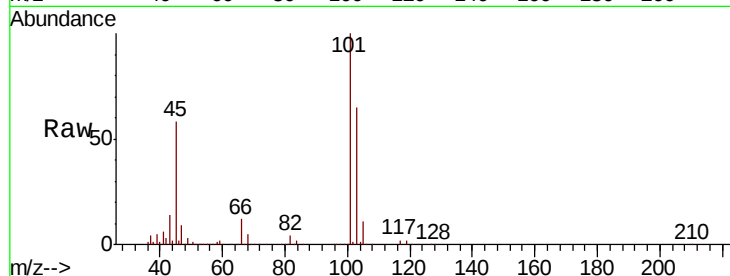
Acq: 9 Mar 2022 3:57

Tot Ion: 45 Resp: 415413

Ion Ratio Lower Upper

45 100

58 2.7 2.2 3.2



#20

Methylene Chloride

Concen: 8.655 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

Tgt Ion: 84 Resp: 335722

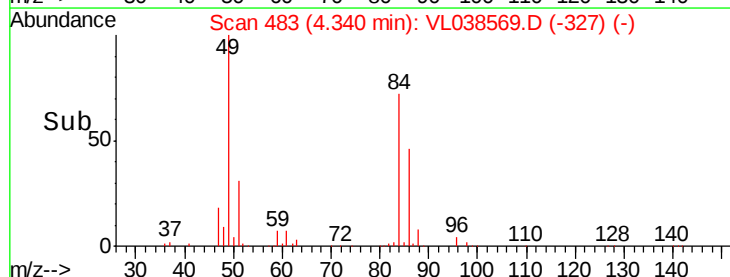
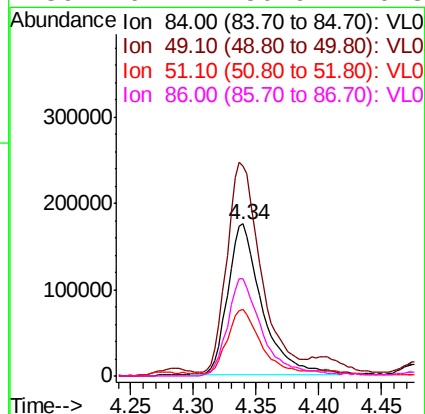
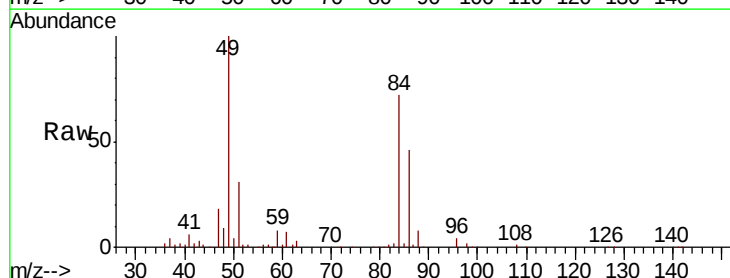
Ion Ratio Lower Upper

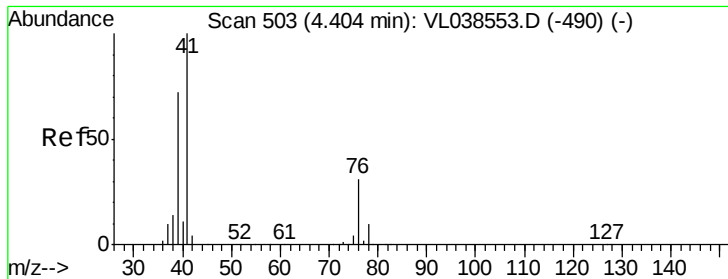
84 100

49 135.4 111.1 166.7

51 42.0 34.0 51.0

86 64.1 50.9 76.3





#21

Allvl Chloride

Concen: 10.055 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 9 Mar 2022 3:57

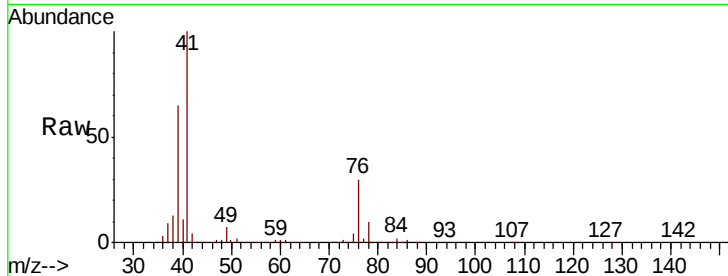
Tot Ion: 41 Resp: 624645

Ion Ratio Lower Upper

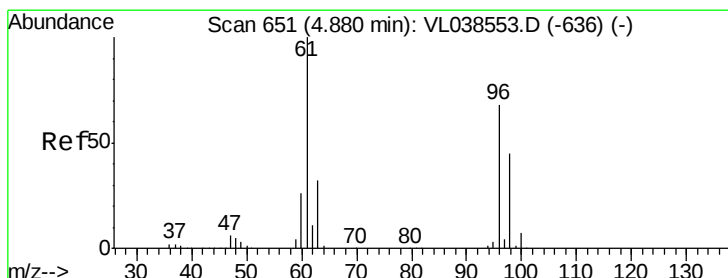
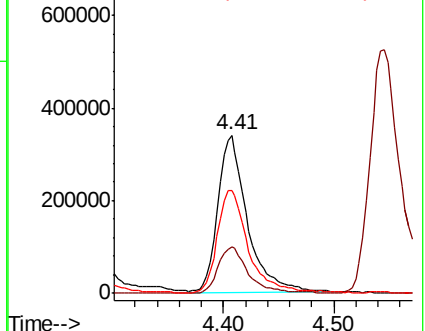
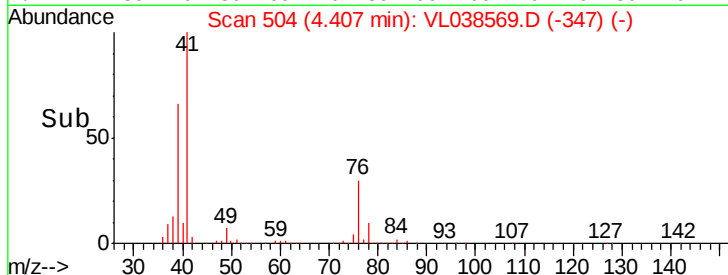
41 100

76 30.8 24.3 36.5

39 68.5 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.004 ppbv

RT: 4.88 min Scan# 650

Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

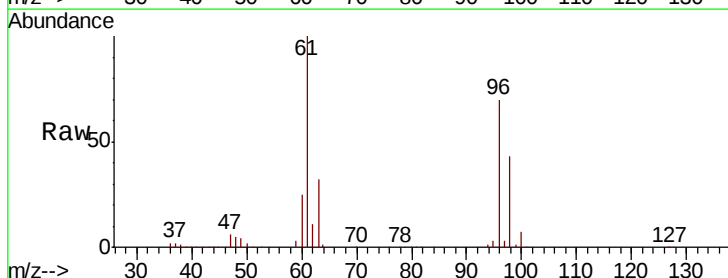
Tgt Ion: 96 Resp: 441588

Ion Ratio Lower Upper

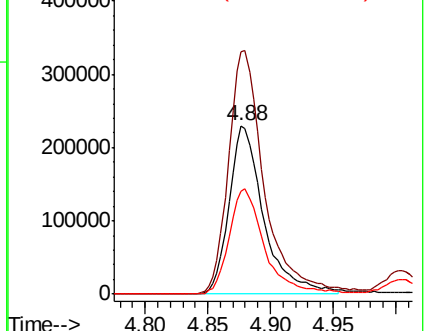
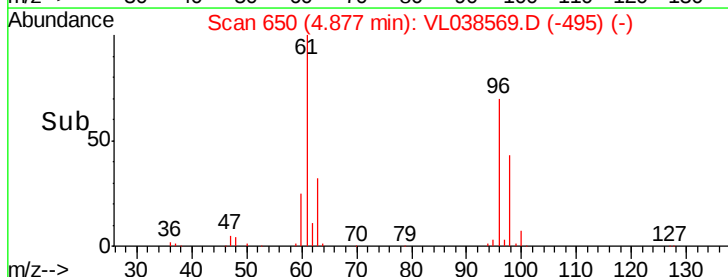
96 100

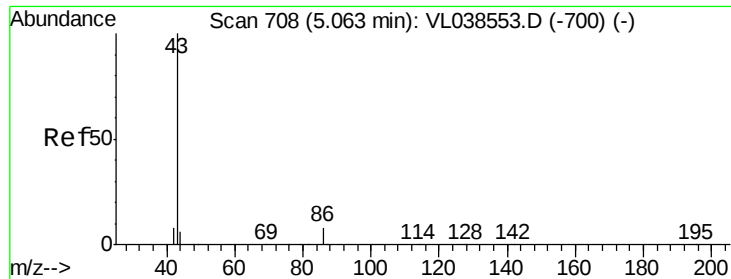
61 143.5 117.6 176.4

98 61.3 52.6 78.8



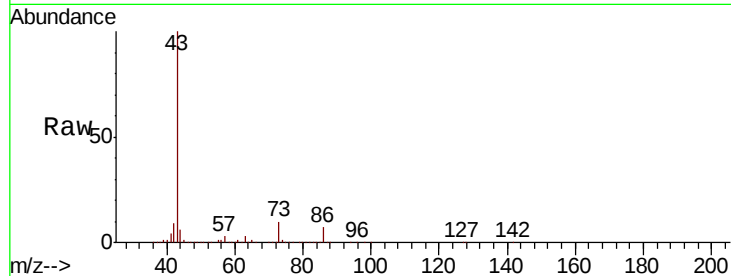
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



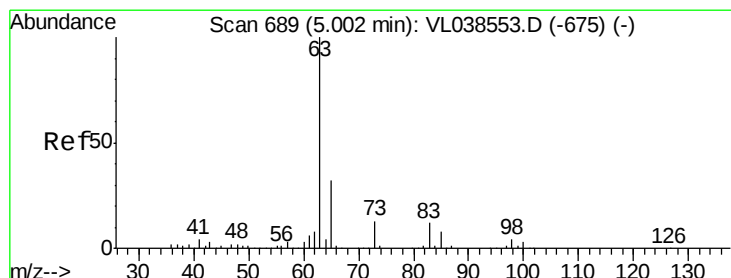
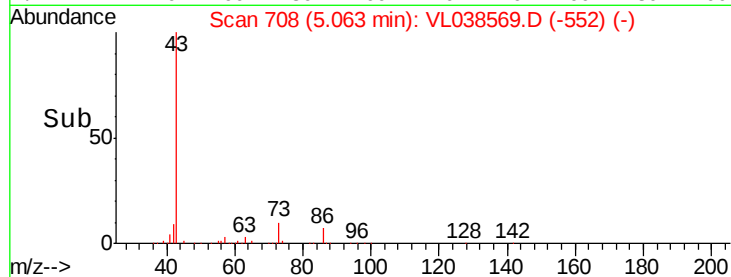
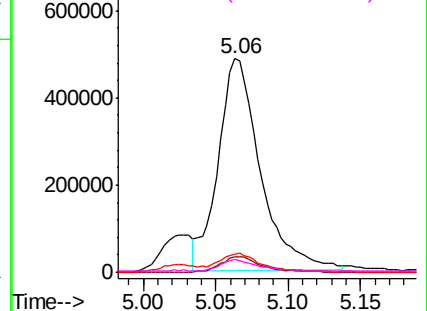


#23
 Vinyl Acetate
 Concen: 10.670 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

Tot Ion:	43	Resp:	985878
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	8.5	7.1	10.7
44	5.5	4.1	6.1

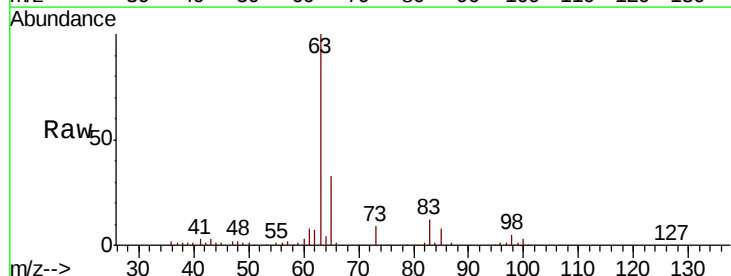


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

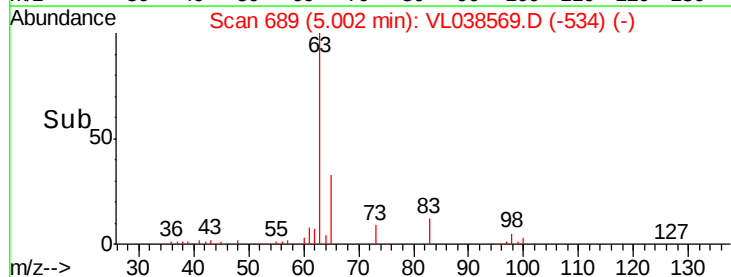
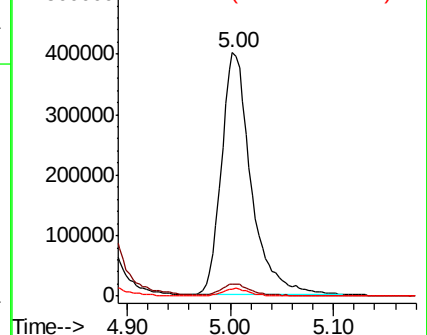


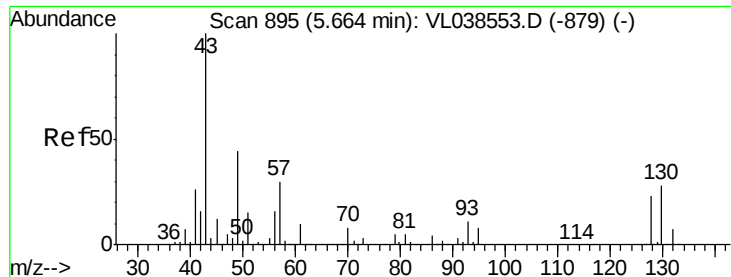
#24
 1,1-Dichloroethane
 Concen: 9.538 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T.: -0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion:	63	Resp:	801547
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	3.0	1.5	4.5



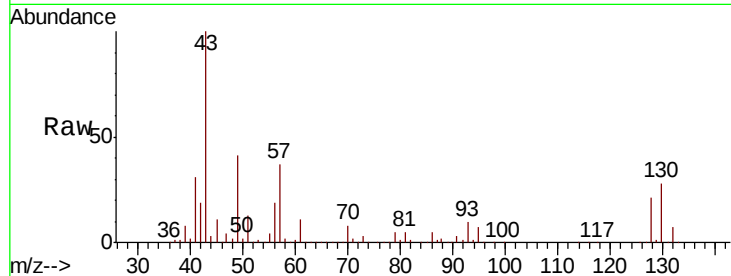
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.928 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 3:57

Tot Ion:	43	Resp:	2155151
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	10.0	8.2	12.4
70	6.8	5.4	8.2



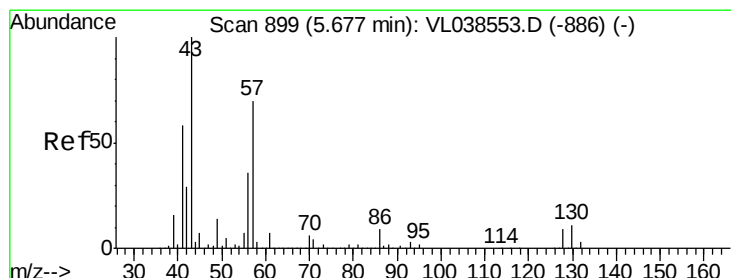
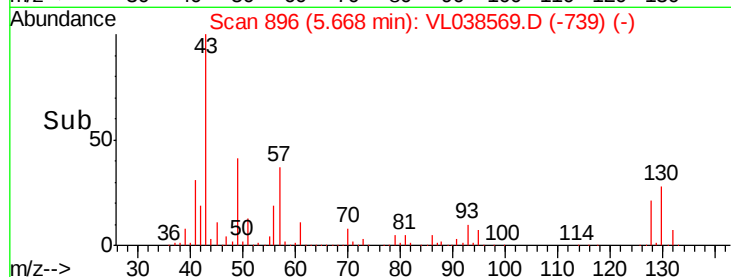
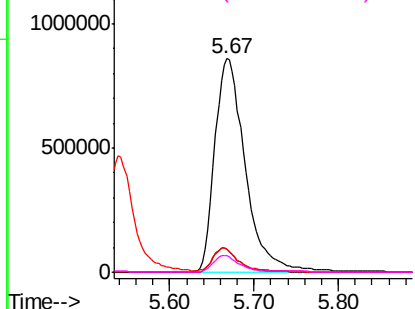
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

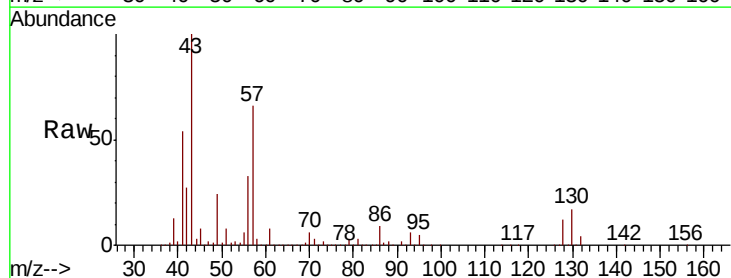
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.843 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: 0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

Tgt Ion:	57	Resp:	1003439
Ion	Ratio	Lower	Upper
57	100		
41	83.9	67.8	101.6
43	215.7	173.6	260.4
56	53.2	42.2	63.2



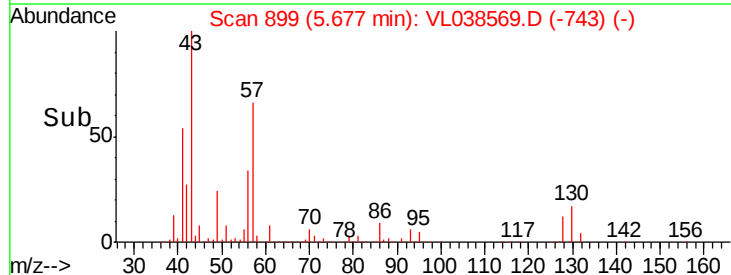
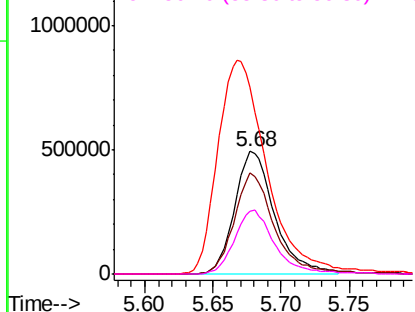
Abundance

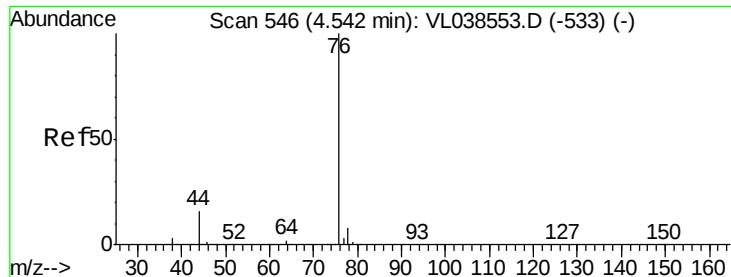
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.556 ppbv

RT: 4.55 Instrument:

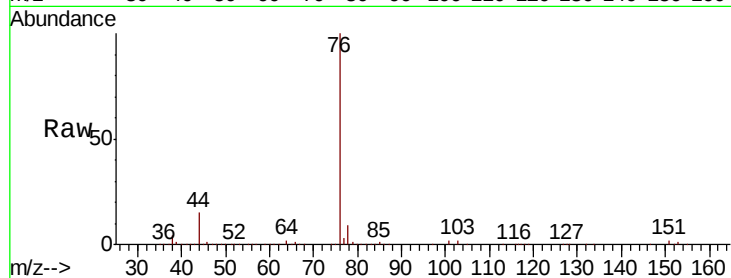
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

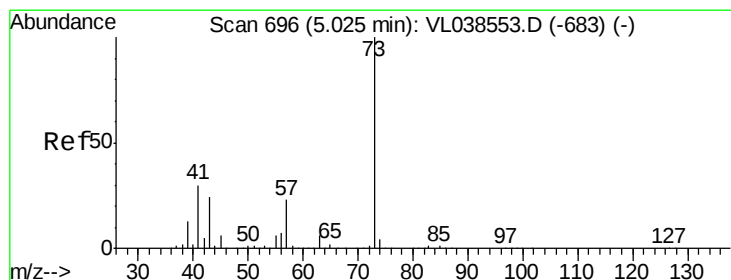
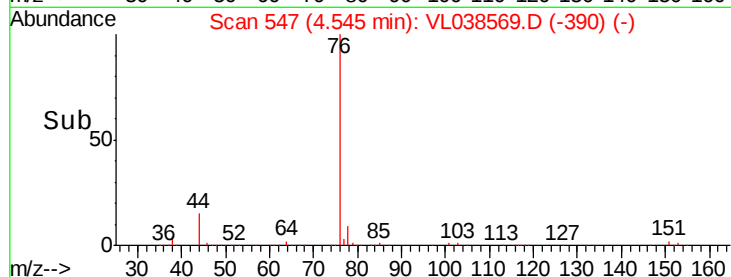
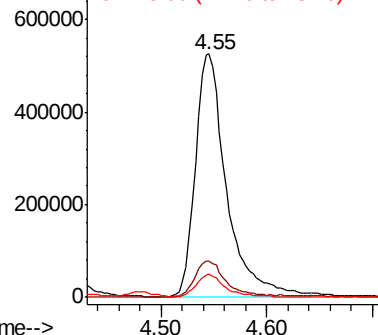
Acq: 9 Mar 2022 3:57

Tot Ion: 76 Resp: 1071825

Ion	Ratio	Lower	Upper
76	100		
44	15.3	12.9	19.3
78	9.5	7.8	11.6



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: 9.861 ppbv

RT: 5.02 min Scan# 696

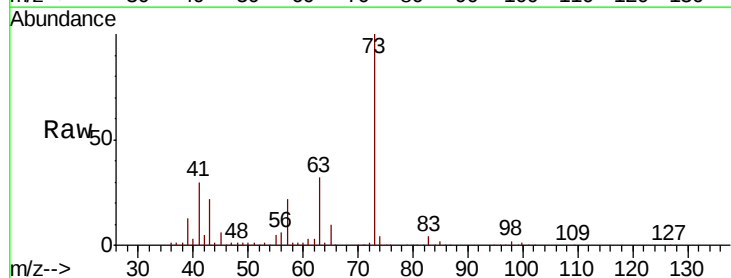
Delta R.T. -0.00 min

Lab File: VL038569.D

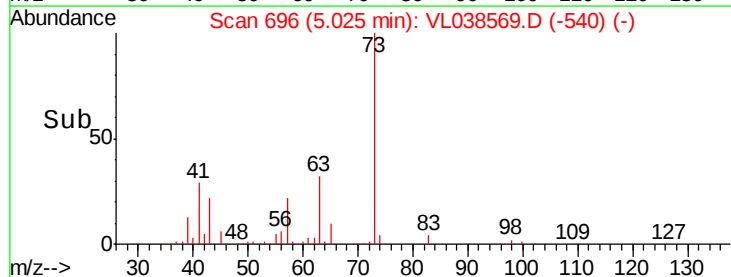
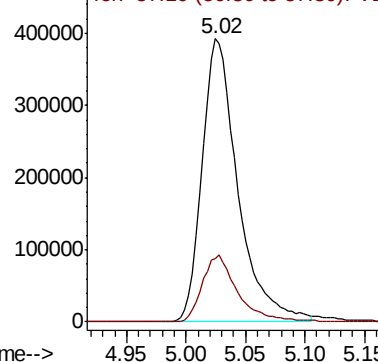
Acq: 9 Mar 2022 3:57

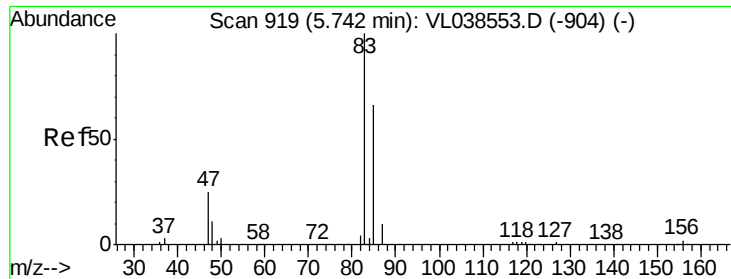
Tgt Ion: 73 Resp: 818132

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.8	28.2



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





#29

Chloroform

Concen: 9.599 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

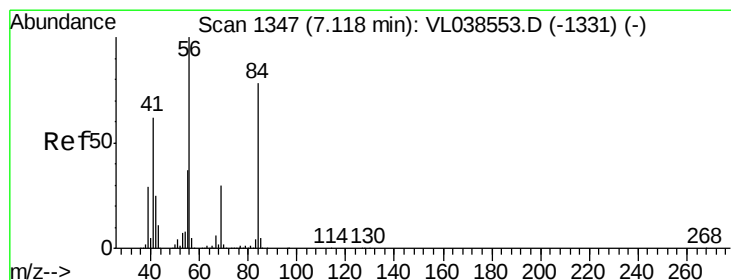
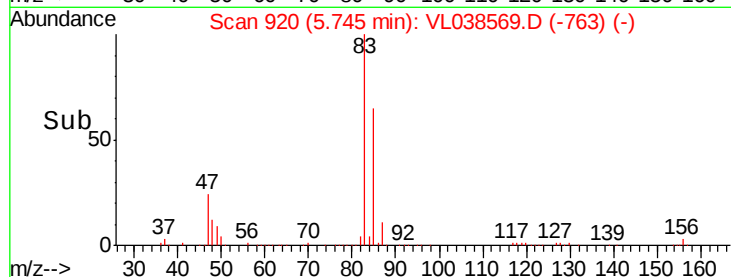
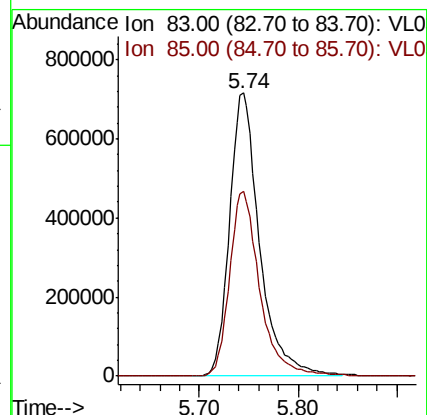
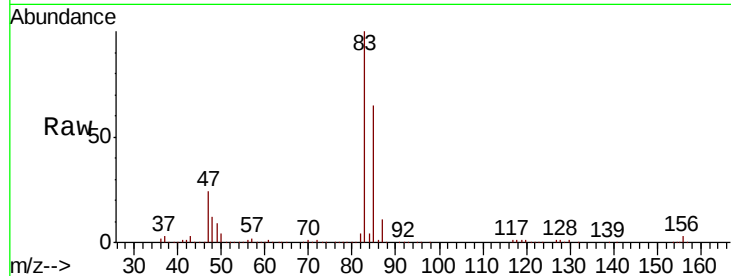
Acq: 9 Mar 2022 3:57

Tot Ion: 83 Resp: 1522910

Ion Ratio Lower Upper

83 100

85 64.9 52.8 79.2



#30

Cyclohexane

Concen: 9.983 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

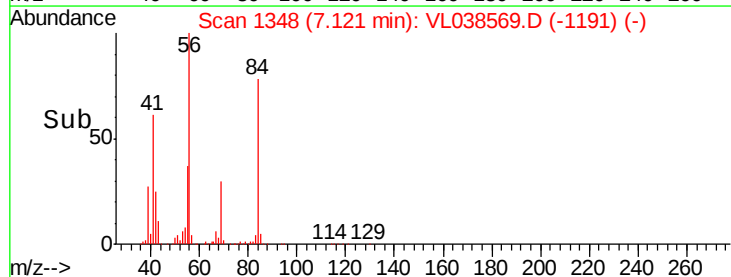
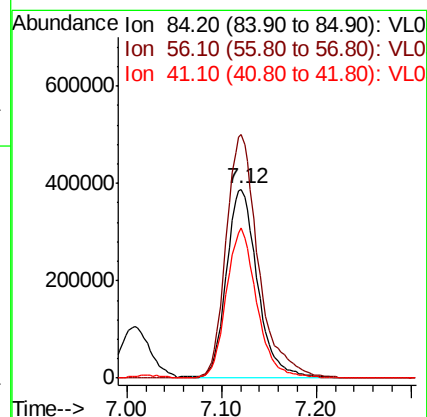
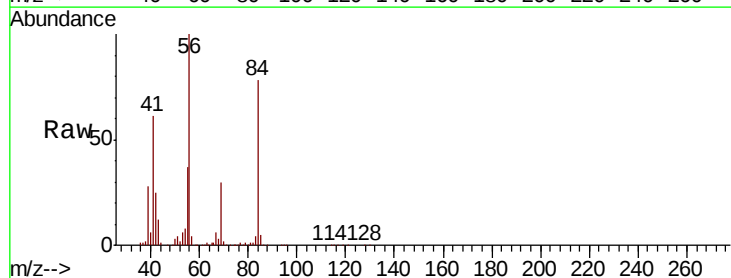
Tgt Ion: 84 Resp: 880168

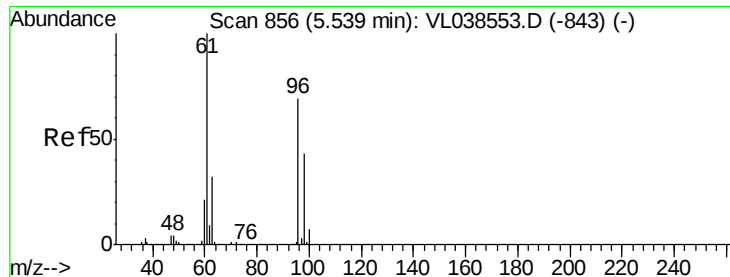
Ion Ratio Lower Upper

84 100

56 135.5 111.4 167.0

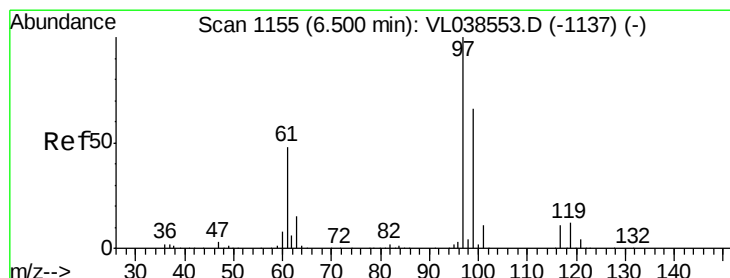
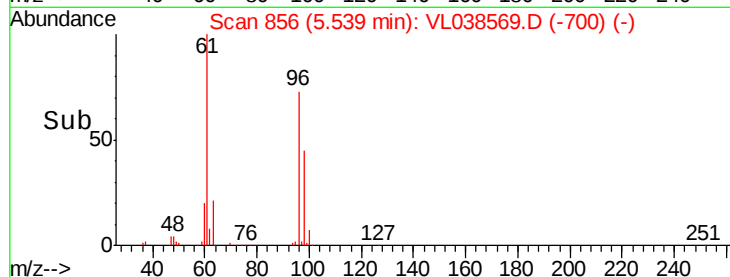
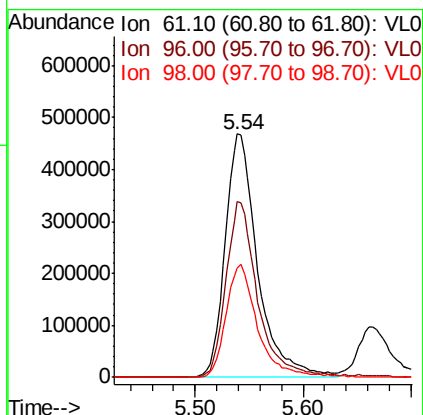
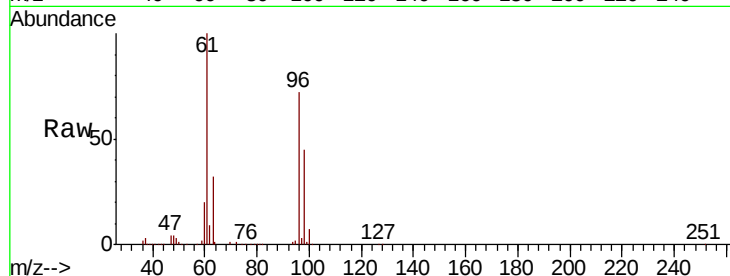
41 78.7 65.5 98.3





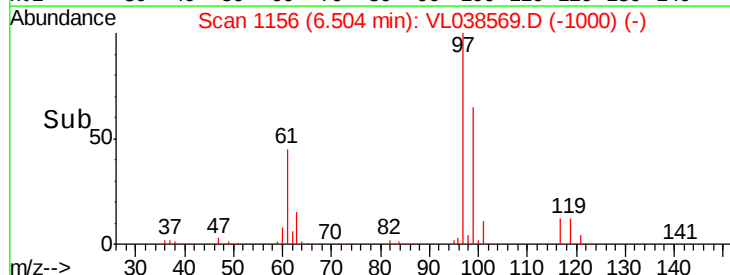
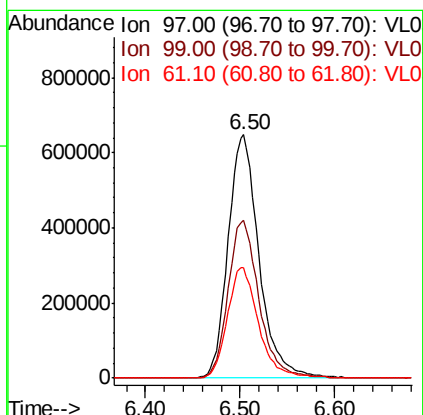
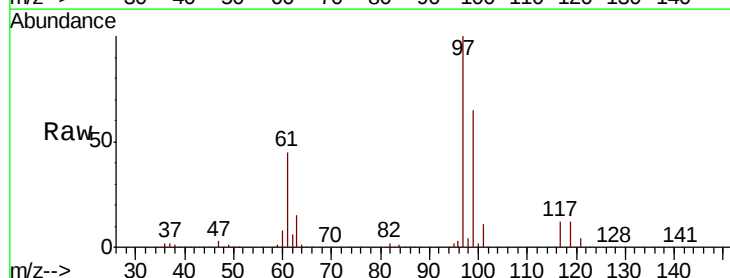
#31
 cis-1,2-Dichloroethene
 Concen: 10.010 ppbv
 RT: 5.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 3:57

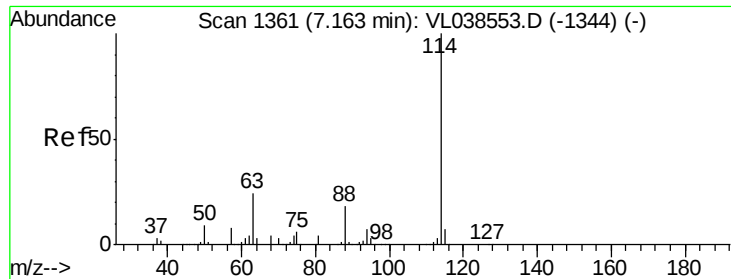
Tot Ion: 61 Resp: 976153
 Ion Ratio Lower Upper
 61 100
 96 72.5 55.2 82.8
 98 44.9 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 9.571 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 97 Resp: 1472589
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.1 78.1
 61 46.2 37.7 56.5

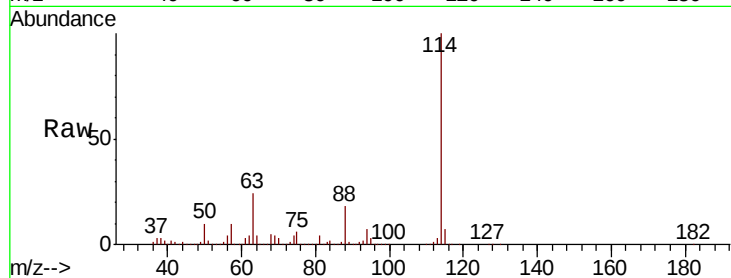




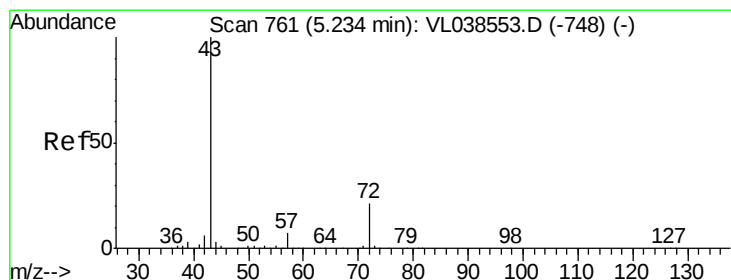
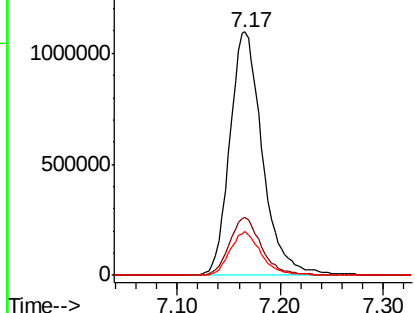
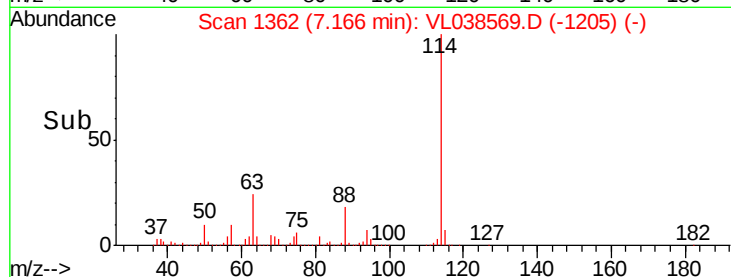
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

Tot Ion: 114 Resp: 2416432

Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.6	29.4
88	17.3	13.9	20.9



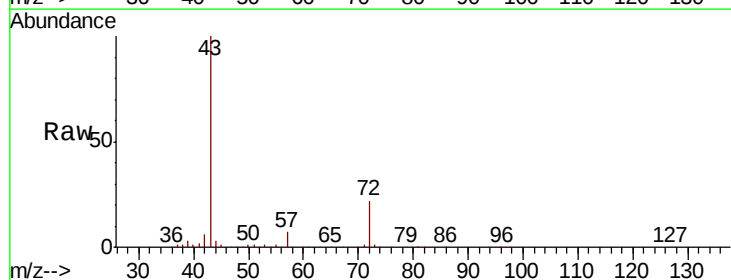
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



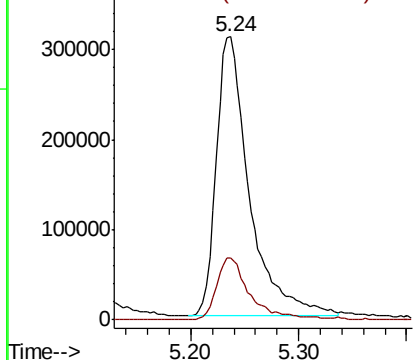
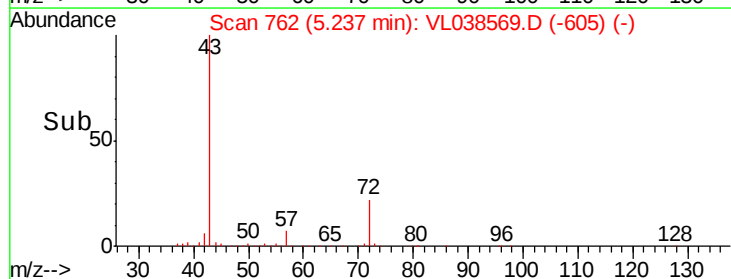
#34
 2-Butanone
 Concen: 10.565 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T.: 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

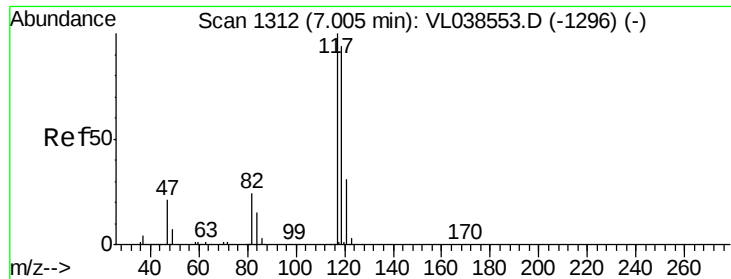
Tgt Ion: 43 Resp: 661725

Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.8	26.6



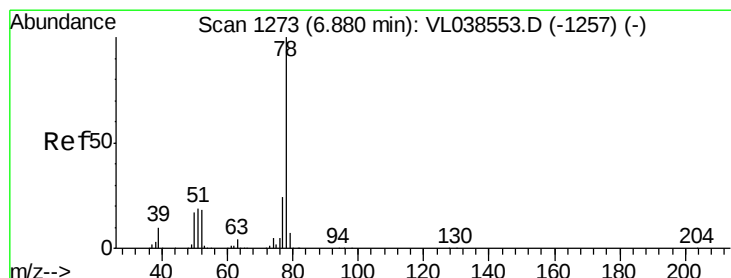
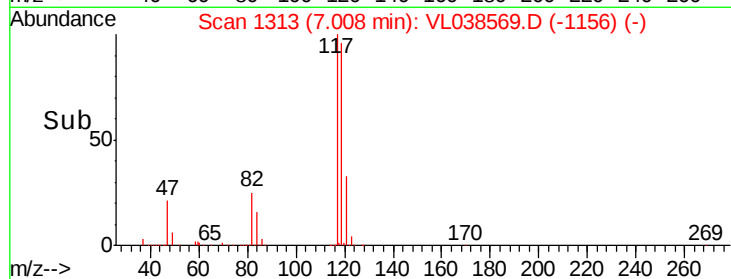
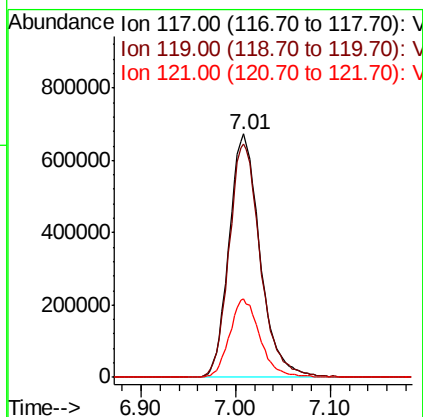
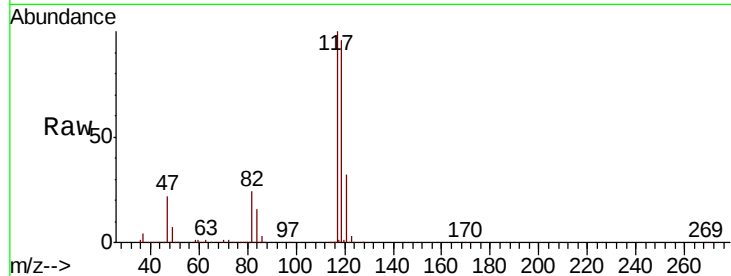
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





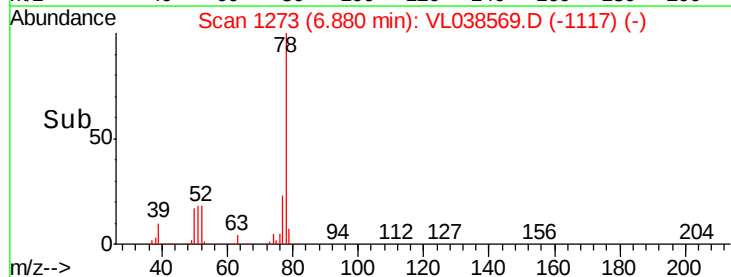
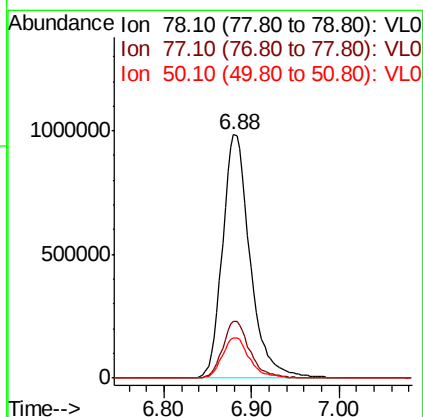
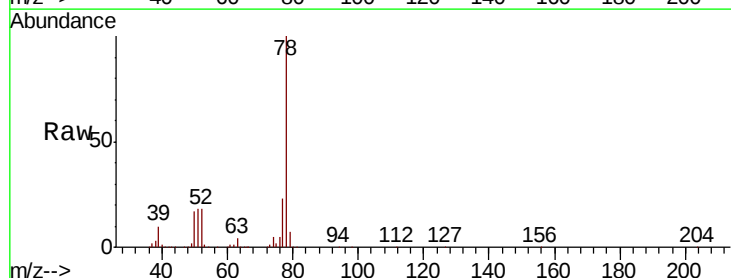
#35
Carbon Tetrachloride
Concen: 9.314 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 3:57

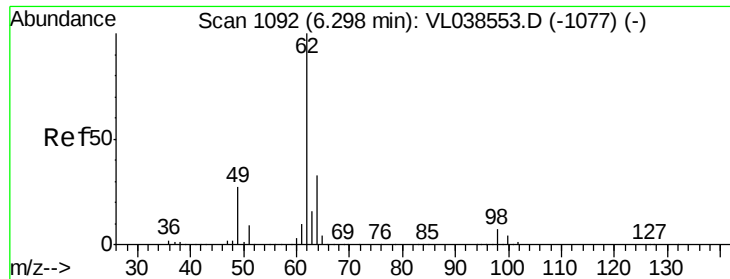
Tot Ion:117 Resp: 1535101
Ion Ratio Lower Upper
117 100
119 95.9 75.2 112.8
121 32.2 24.8 37.2



#36
Benzene
Concen: 9.880 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

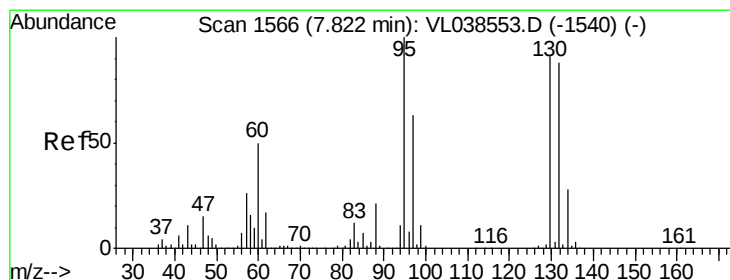
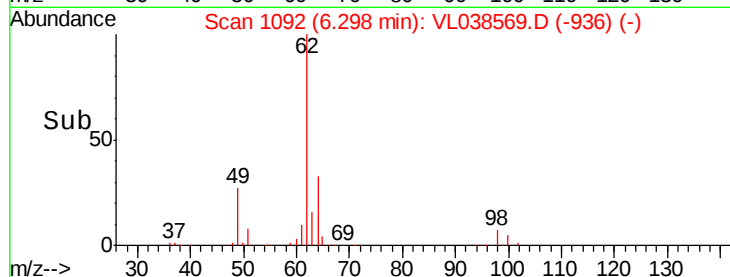
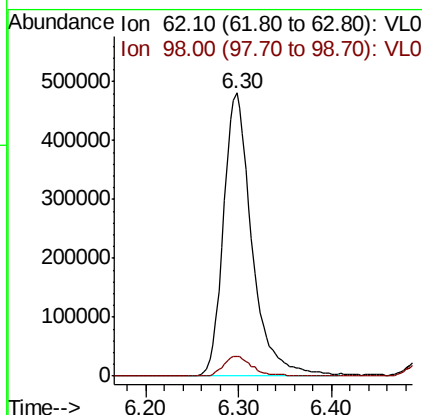
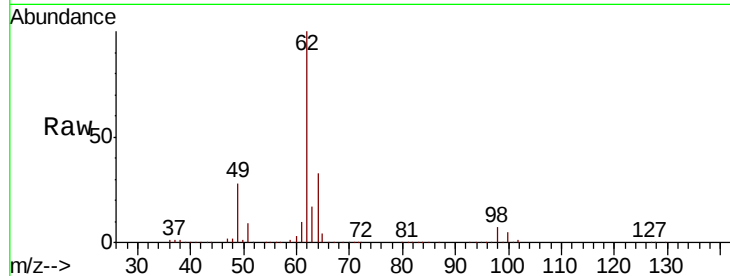
Tgt Ion: 78 Resp: 2154424
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4
50 16.6 13.9 20.9





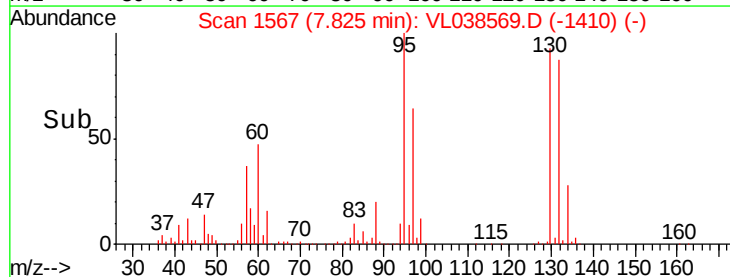
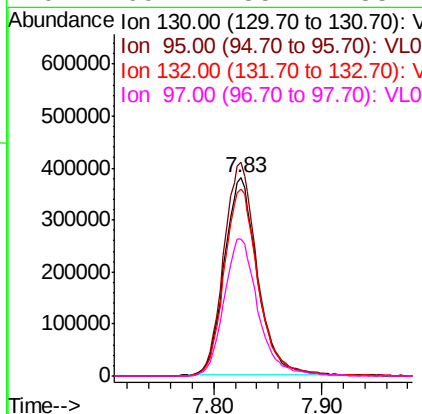
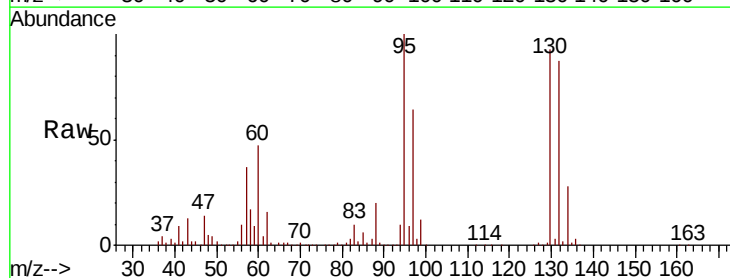
#37
 1,2-Dichloroethane
 Concen: 9.838 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 3:57

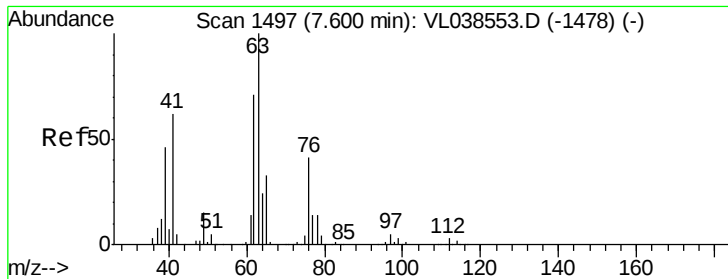
Tot Ion: 62 Resp: 1025191
 Ion Ratio Lower Upper
 62 100
 98 7.4 5.7 8.5



#38
 Trichloroethene
 Concen: 9.251 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 130 Resp: 805837
 Ion Ratio Lower Upper
 130 100
 95 108.3 87.8 131.8
 132 94.5 77.5 116.3
 97 69.7 55.4 83.2





#39

1,2-Dichloropropane

Concen: 9.872 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 3:57

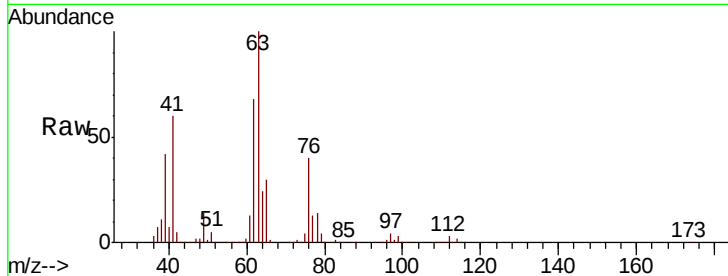
Tot Ion: 63 Resp: 827892

Ion Ratio Lower Upper

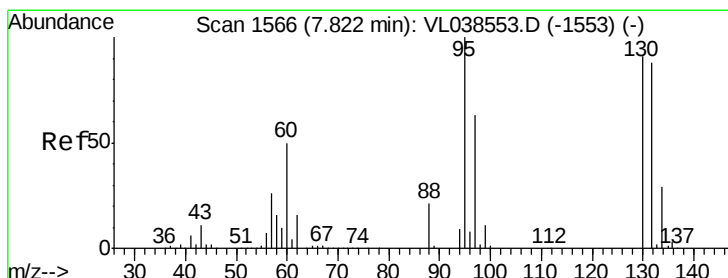
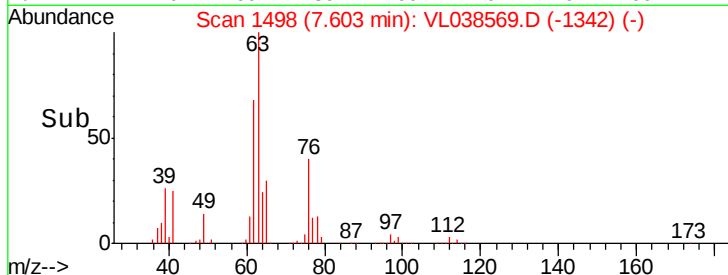
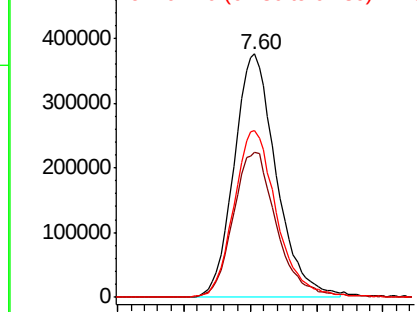
63 100

41 59.7 49.8 74.6

62 68.3 56.7 85.1



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: 10.339 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

Tgt Ion: 88 Resp: 217008

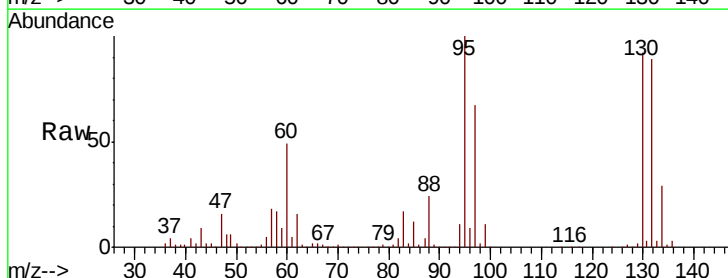
Ion Ratio Lower Upper

88 100

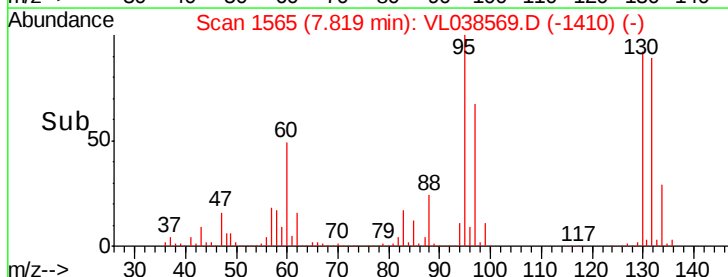
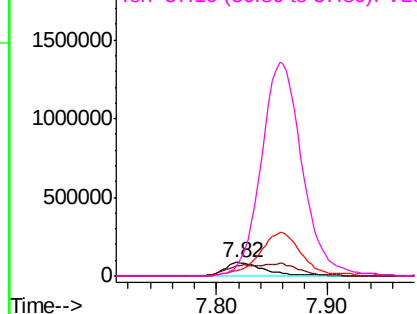
58 149.3 126.7 190.1

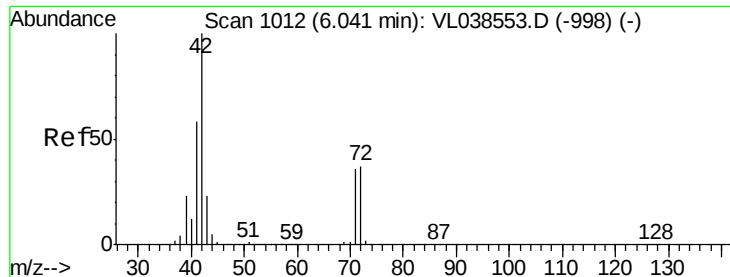
43 341.1 303.0 454.6

57 1619.8 1368.6 2053.0



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: 10.074 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 3:57

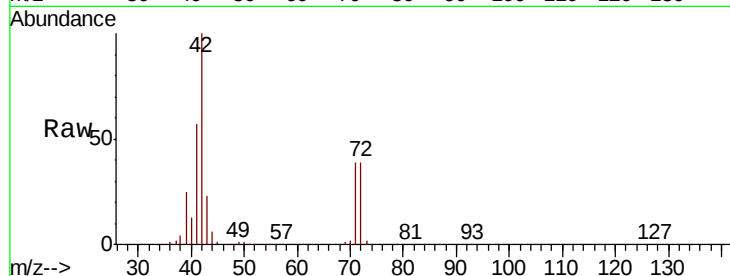
Tot Ion: 42 Resp: 516227

Ion Ratio Lower Upper

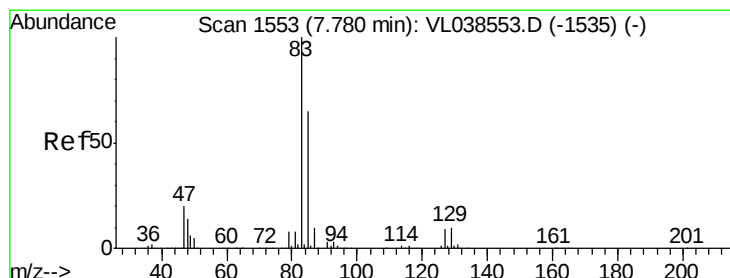
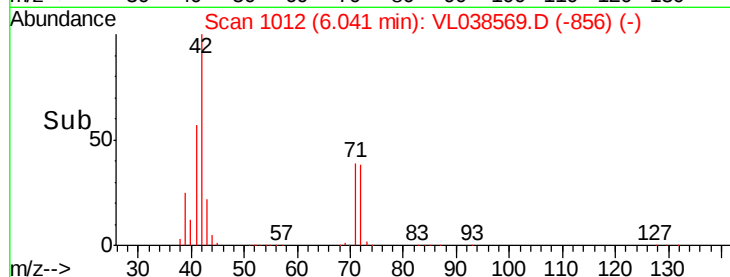
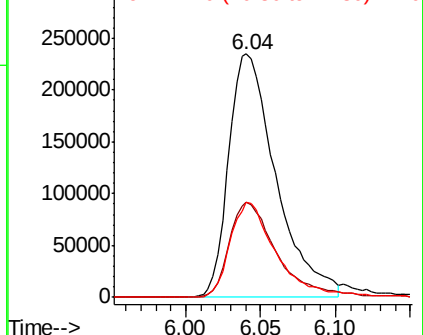
42 100

72 40.1 30.9 46.3

71 39.1 29.1 43.7



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.852 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

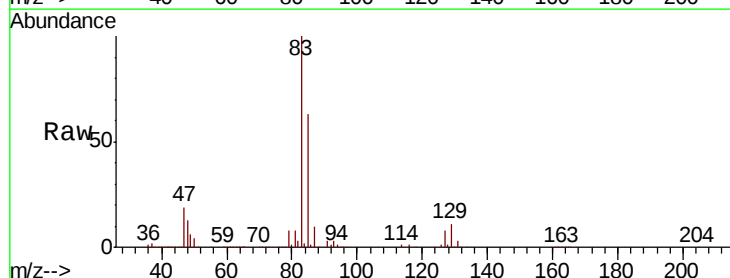
Tgt Ion: 83 Resp: 1627797

Ion Ratio Lower Upper

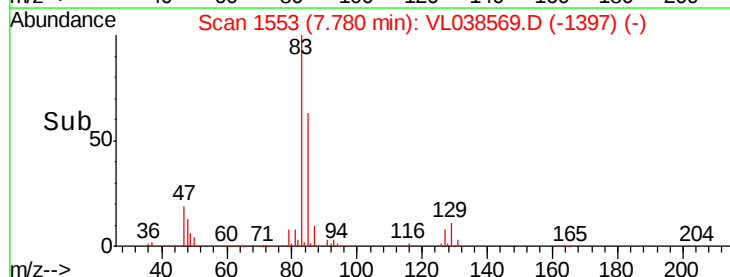
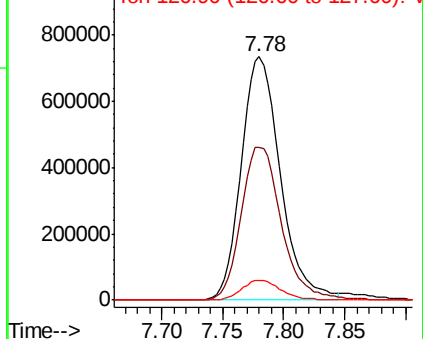
83 100

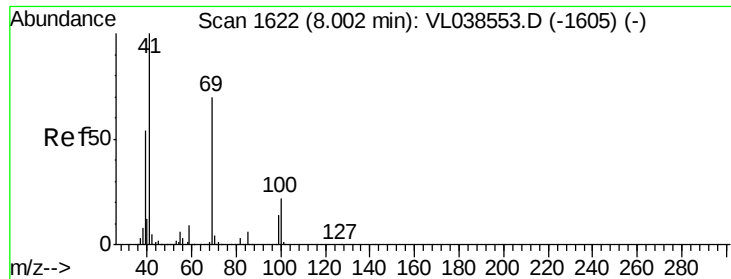
85 62.9 51.7 77.5

127 8.0 6.9 10.3



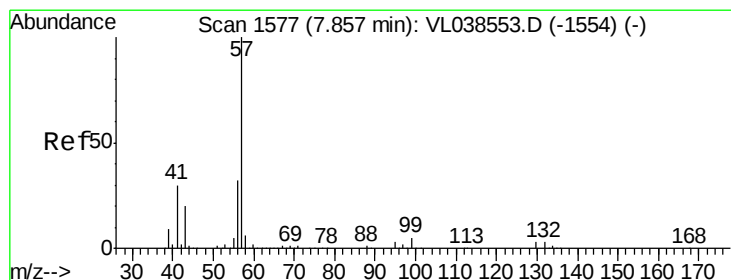
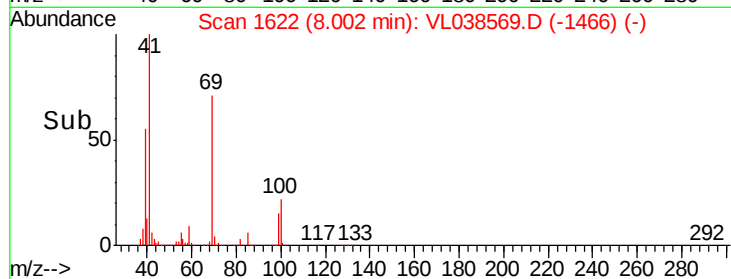
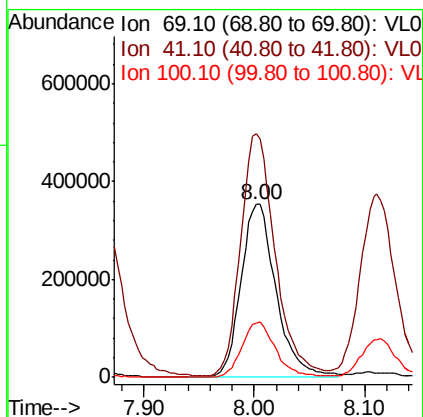
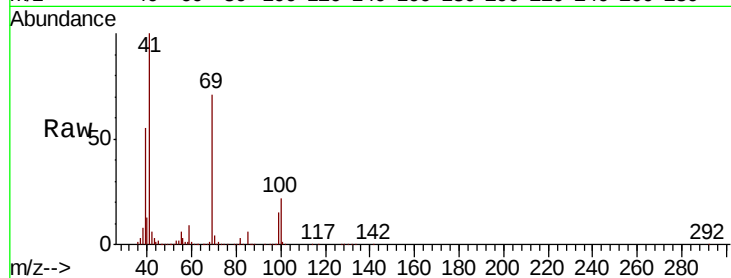
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





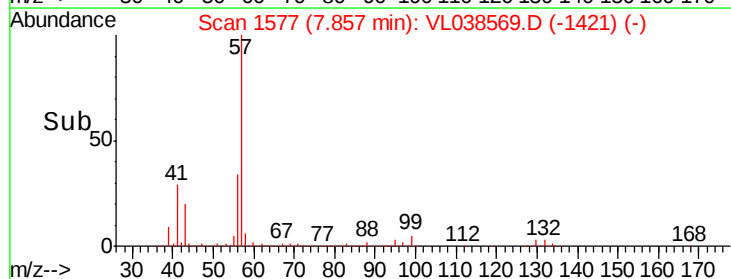
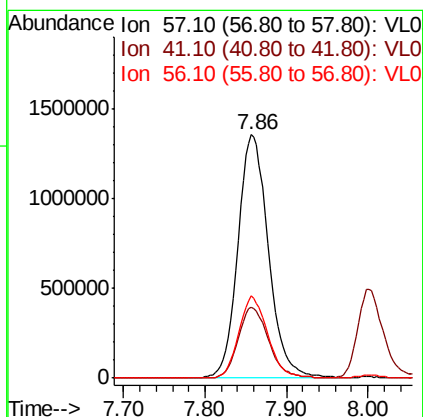
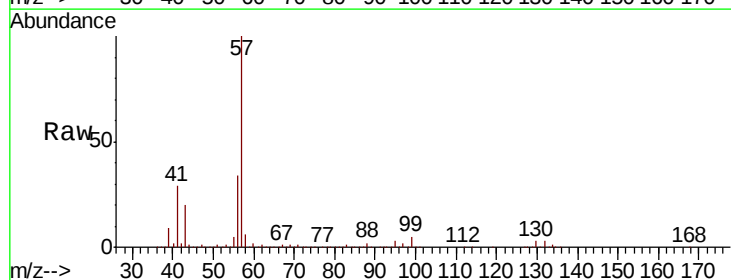
#43
Methvl Methacrylate
Concen: 10.437 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 3:57

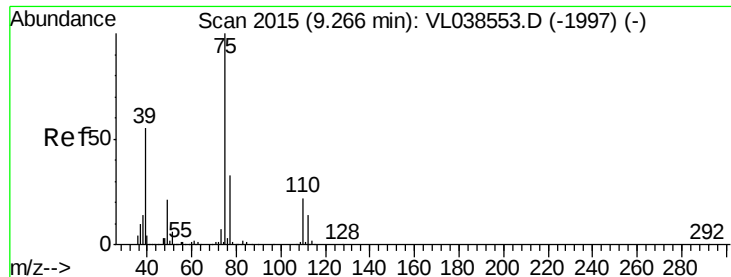
Tot Ion: 69 Resp: 781239
Ion Ratio Lower Upper
69 100
41 138.7 113.8 170.6
100 31.0 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.522 ppbv
RT: 7.86 min Scan# 1577
Delta R.T.: -0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

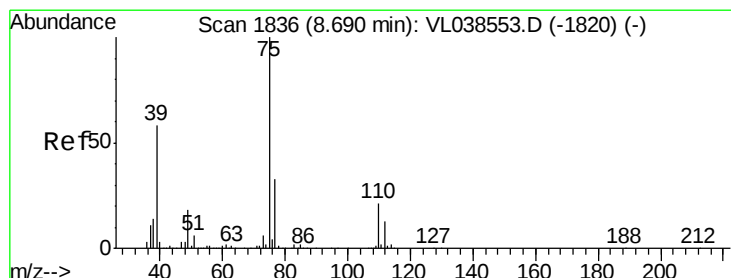
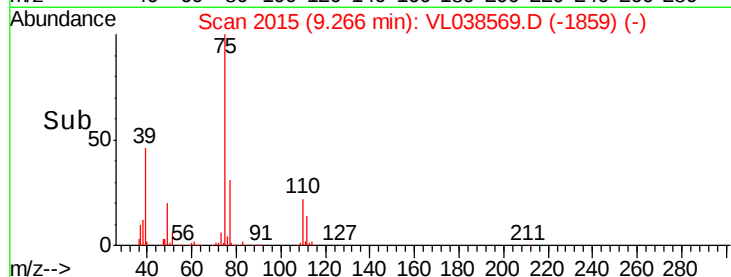
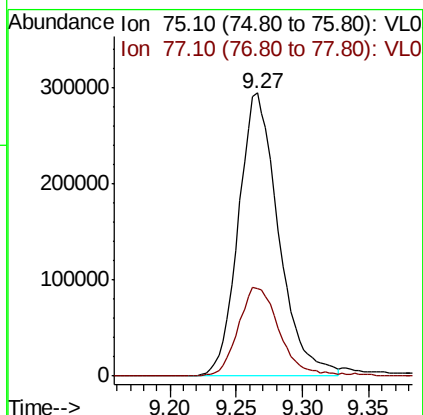
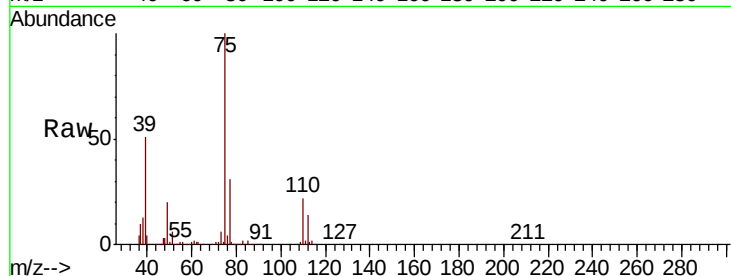
Tgt Ion: 57 Resp: 3510774
Ion Ratio Lower Upper
57 100
41 29.1 24.0 36.0
56 32.0 25.6 38.4





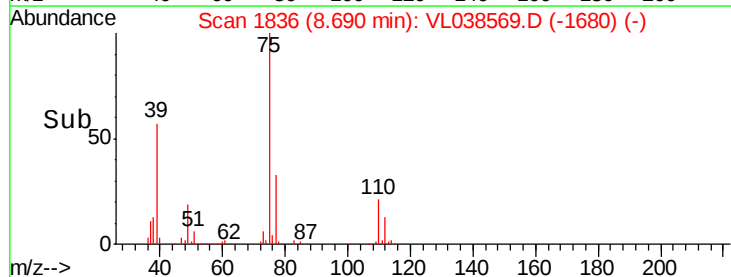
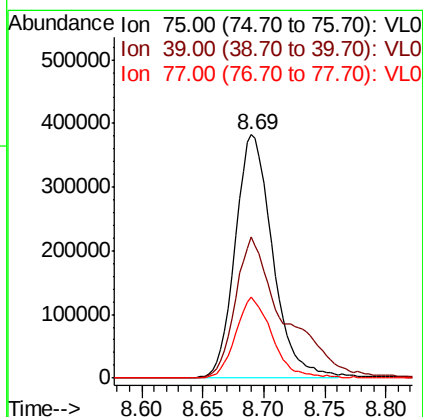
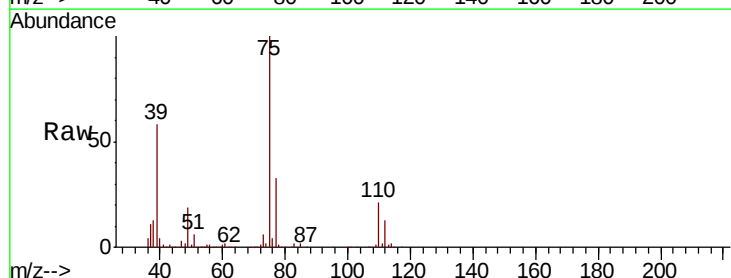
#45
t-1,3-Dichloropropene
Concen: 11.450 ppbv
RT: 9.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 3:57

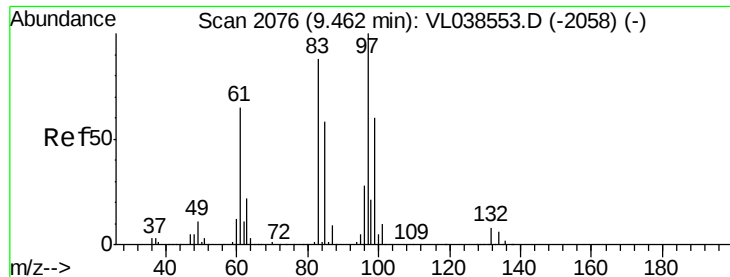
Tot Ion: 75 Resp: 617658
Ion Ratio Lower Upper
75 100
77 31.1 26.6 40.0



#46
cis-1,3-Dichloropropene
Concen: 10.972 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

Tgt Ion: 75 Resp: 809296
Ion Ratio Lower Upper
75 100
39 57.8 46.2 69.2
77 33.1 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 10.123 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 3:57

Tot Ion: 97 Resp: 865178

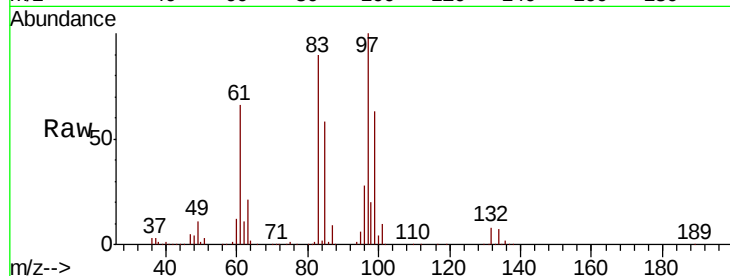
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.1	105.1
85	58.4	46.6	69.8
99	63.0	48.1	72.1

97 100

83 90.2 70.1 105.1

85 58.4 46.6 69.8

99 63.0 48.1 72.1



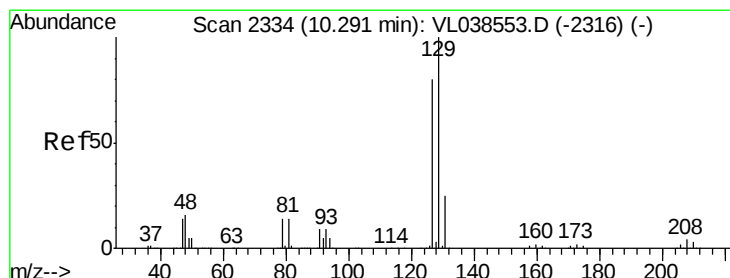
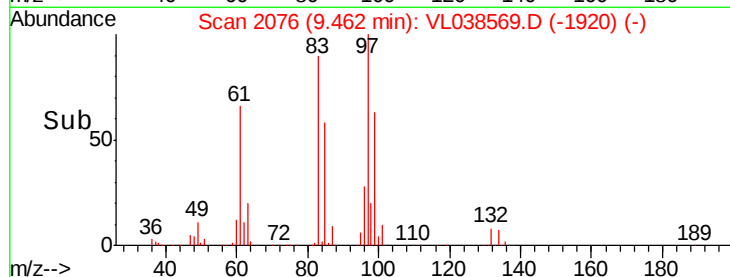
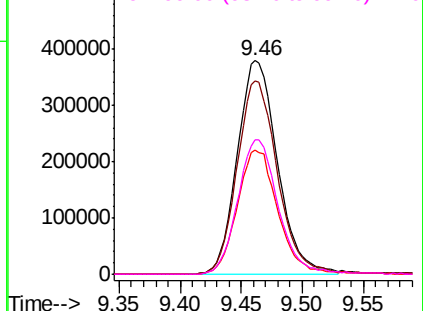
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.789 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VL038569.D

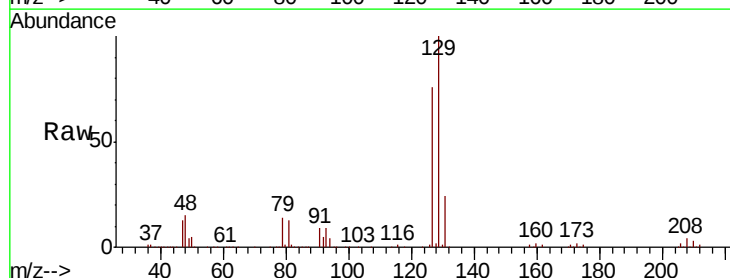
Acq: 9 Mar 2022 3:57

Tgt Ion:129 Resp: 1464131

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.5	118.3

129 100

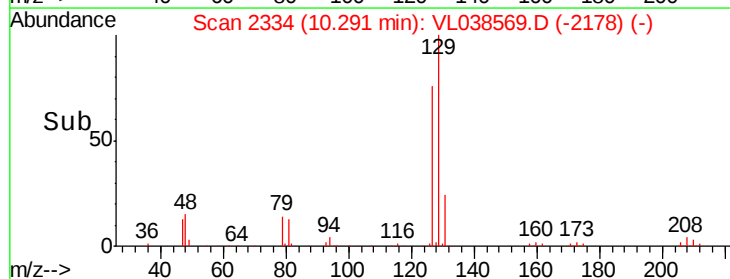
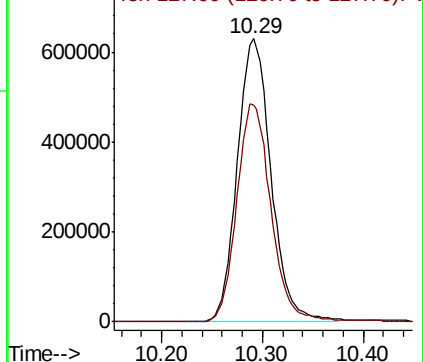
127 78.5 39.5 118.3

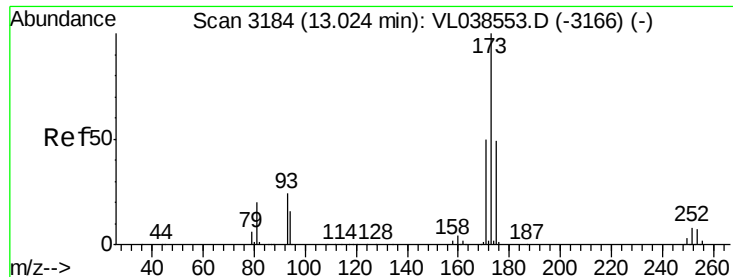


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.636 ppbv

RT: 13.02

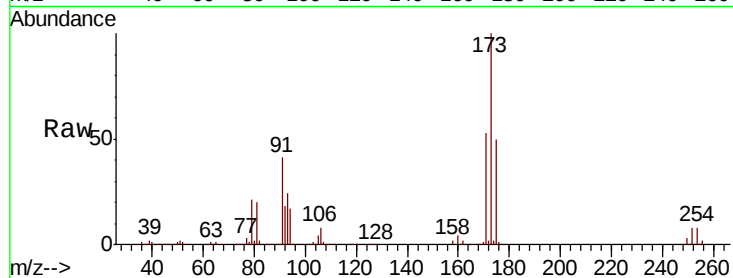
Delta R.T. MSVOA_L

Lab File:

Acq: 9 Mar 2022 3:57

Tot Ion:173 Resp: 1209467

Ion	Ratio	Lower	Upper
173	100		
175	50.0	40.7	61.1
171	53.2	42.9	64.3

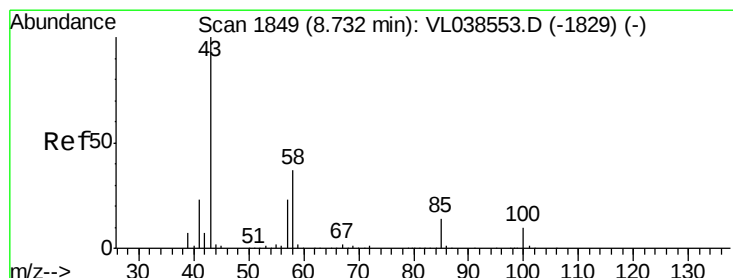
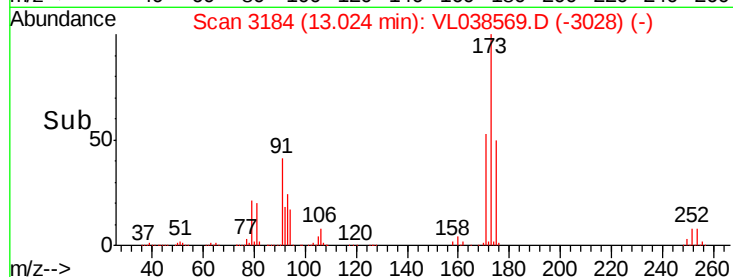
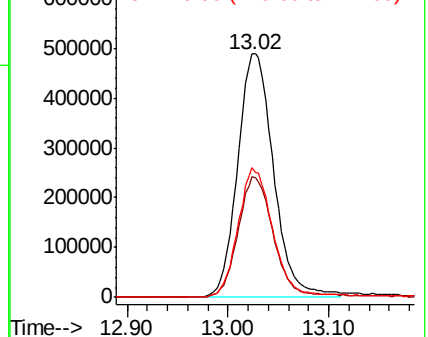


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.194 ppbv

RT: 8.73 min Scan# 1848

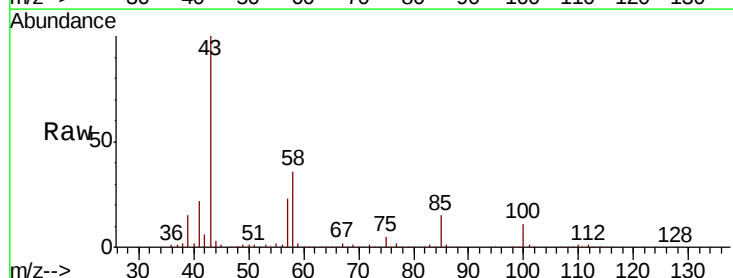
Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

Tgt Ion: 43 Resp: 1308945

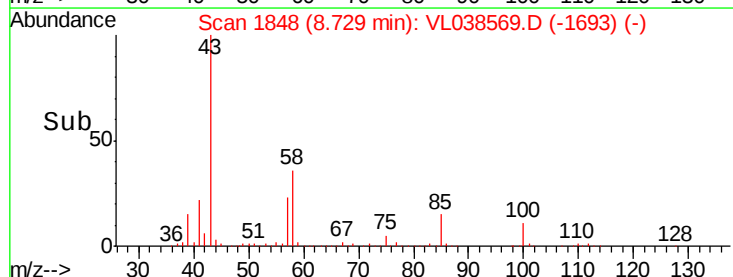
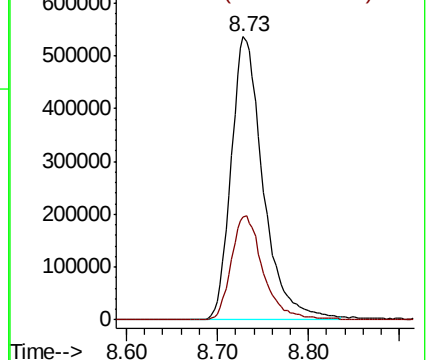
Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.2	43.8

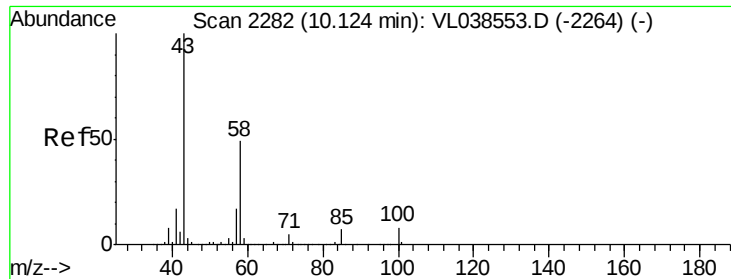


Abundance

Ion 43.10 (42.80 to 43.80): VL0

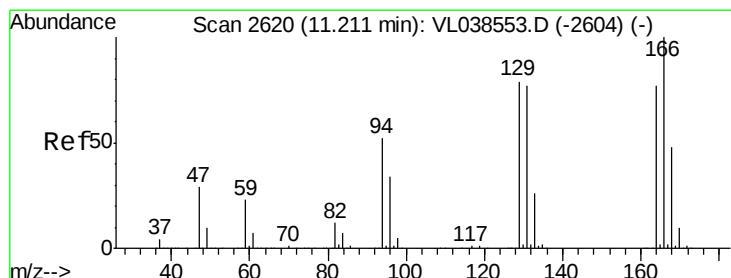
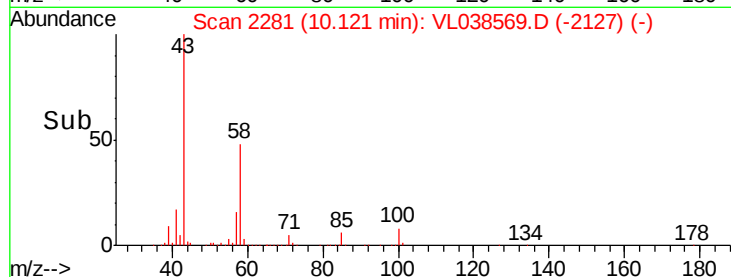
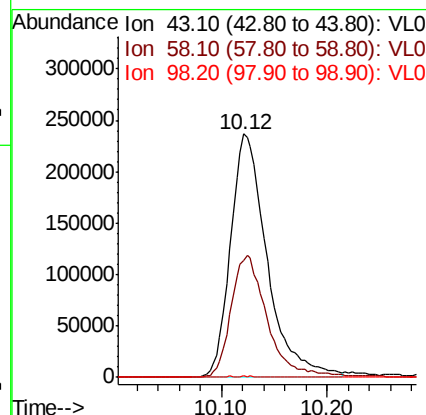
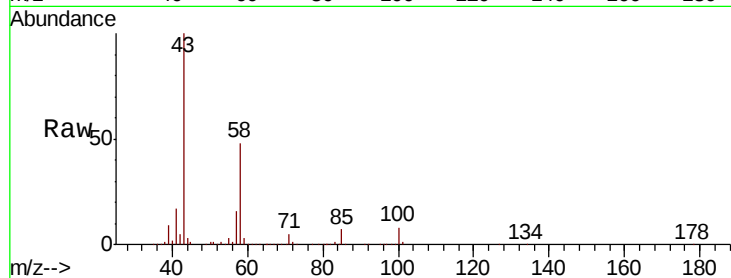
Ion 58.10 (57.80 to 58.80): VL0





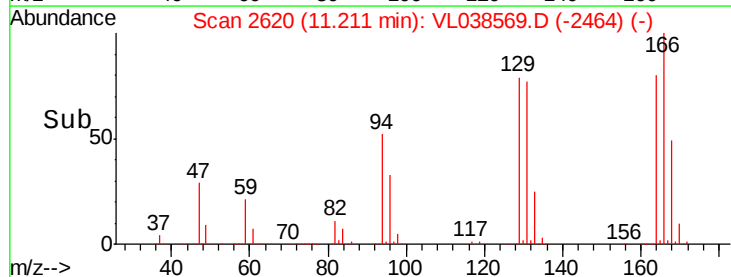
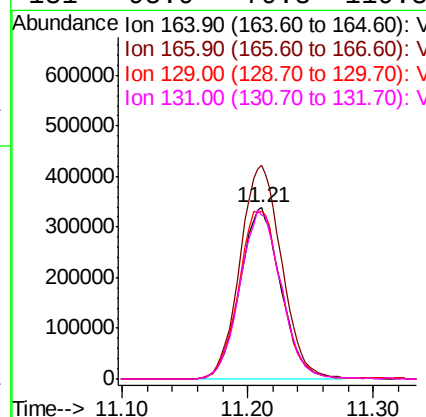
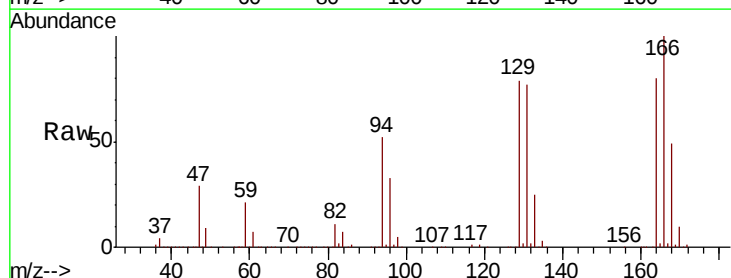
#51
2-Hexanone
Concen: 10.486 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 3:57

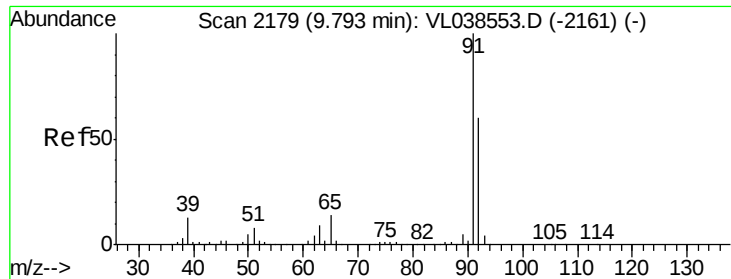
Tot Ion: 43 Resp: 568949
Ion Ratio Lower Upper
43 100
58 50.4 40.1 60.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.596 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

Tgt Ion: 164 Resp: 766991
Ion Ratio Lower Upper
164 100
166 124.8 103.4 155.2
129 98.1 81.3 121.9
131 95.9 79.8 119.8





#53

Toluene

Concen: 10.399 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

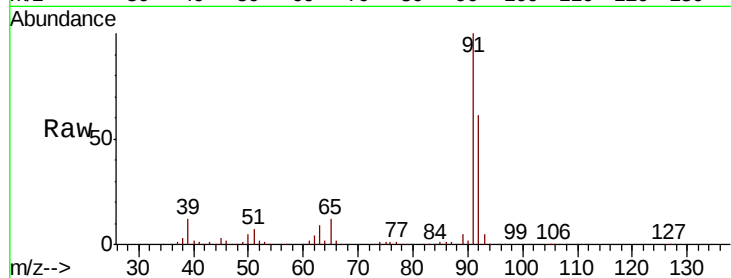
Acq: 9 Mar 2022 3:57

Tot Ion: 91 Resp: 2420538

Ion Ratio Lower Upper

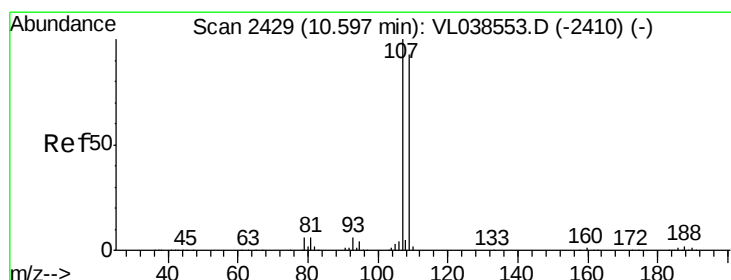
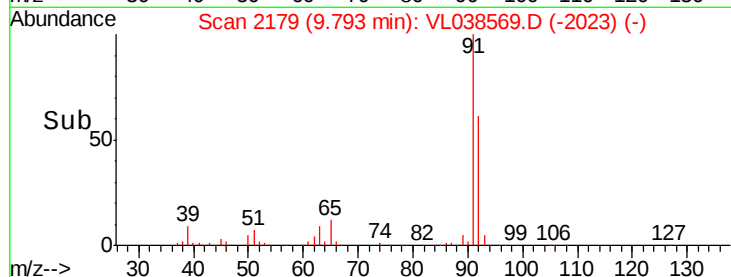
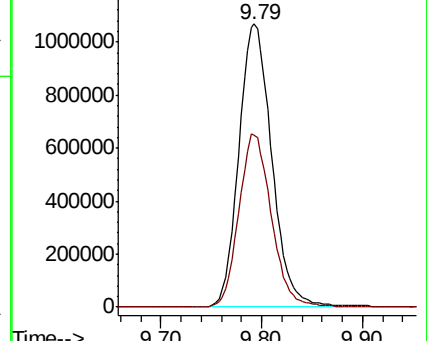
91 100

92 60.9 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.258 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL038569.D

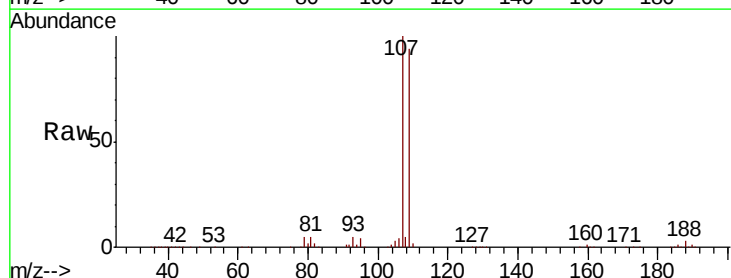
Acq: 9 Mar 2022 3:57

Tgt Ion: 107 Resp: 1252765

Ion Ratio Lower Upper

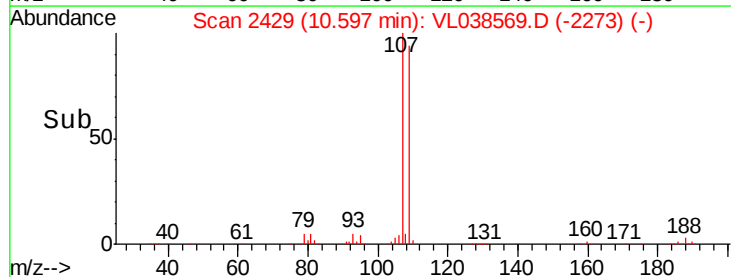
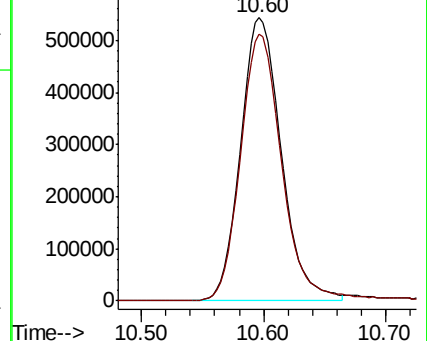
107 100

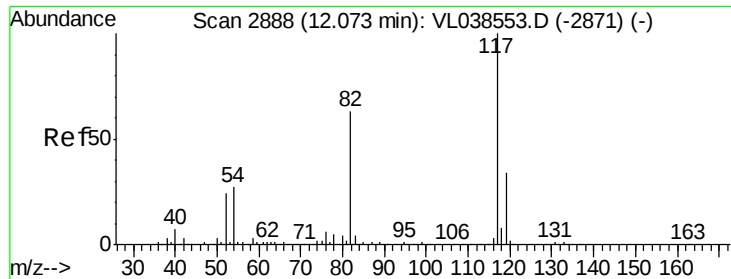
109 94.5 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

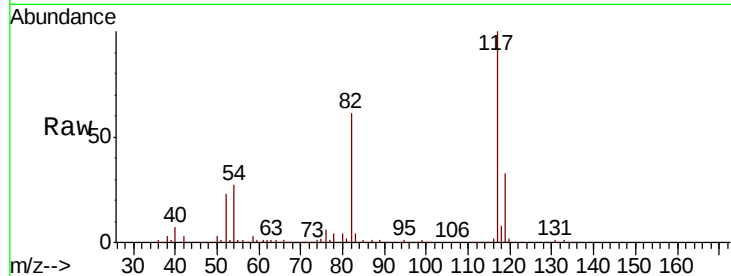
Ion 109.00 (108.70 to 109.70): V



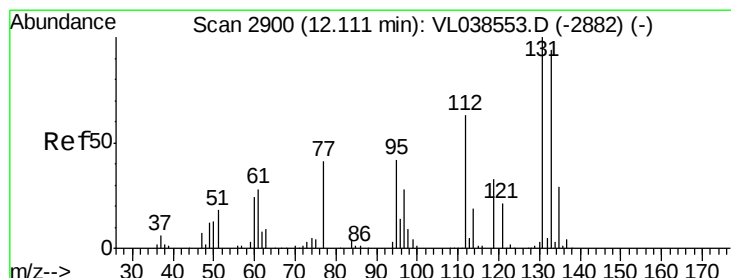
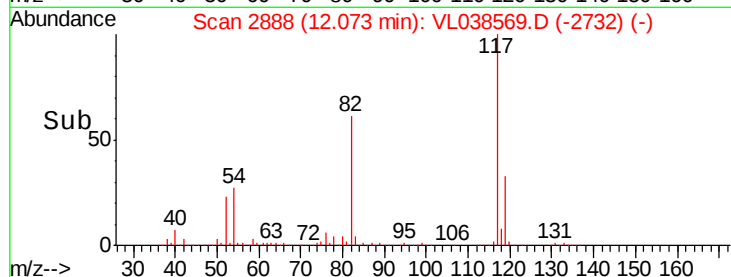
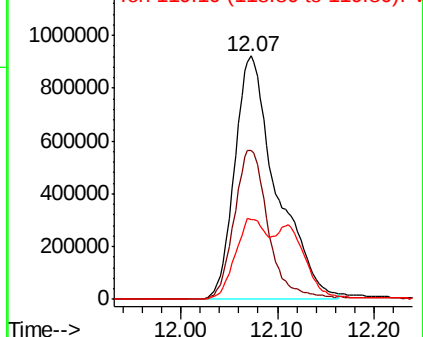


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 3:57

Tot Ion:117 Resp: 2785116
Ion Ratio Lower Upper
117 100
82 50.8 52.5 78.7#
119 48.3 46.4 69.6

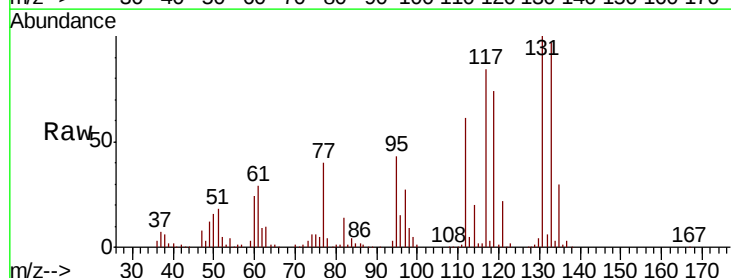


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

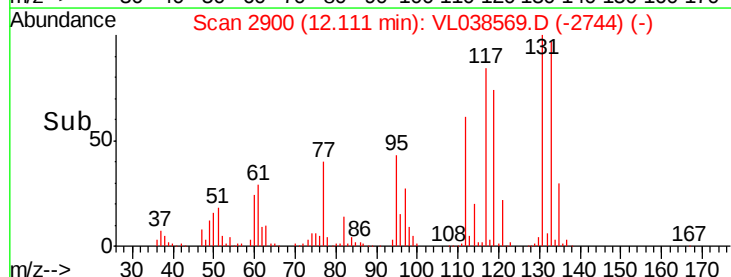
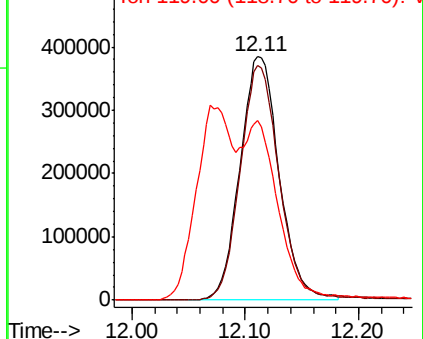


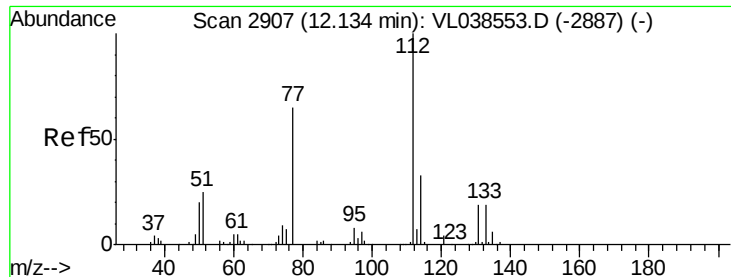
#56
1,1,1,2-Tetrachloroethane
Concen: 8.167 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: -0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

Tgt Ion:131 Resp: 926538
Ion Ratio Lower Upper
131 100
133 97.8 78.0 117.0
119 72.2 53.1 79.7



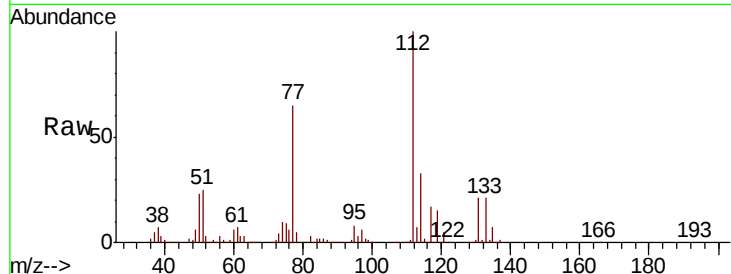
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



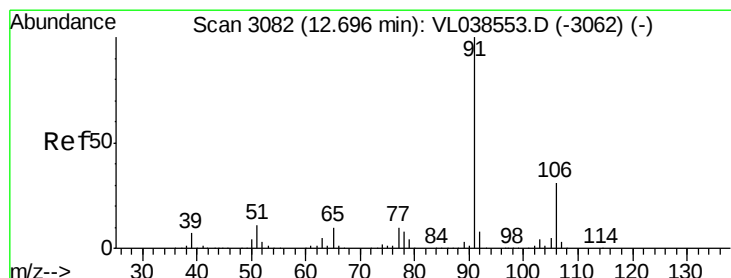
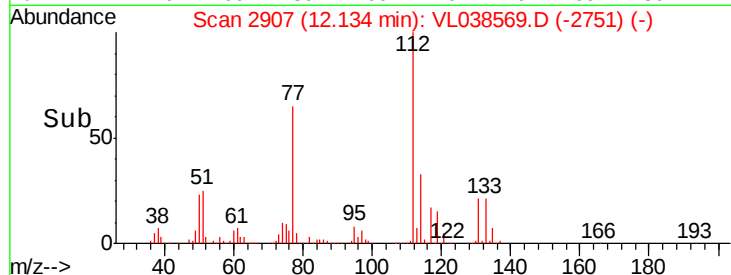
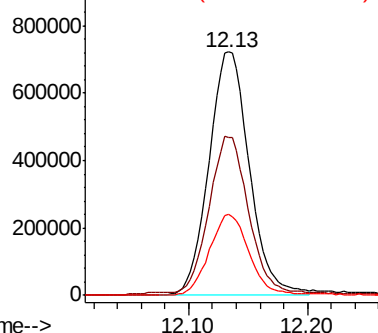


#57
Chlorobenzene
Concen: 7.986 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 3:57

Tot Ion: 112 Resp: 1698170
Ion Ratio Lower Upper
112 100
77 64.0 52.5 78.7
114 33.2 30.0 36.6

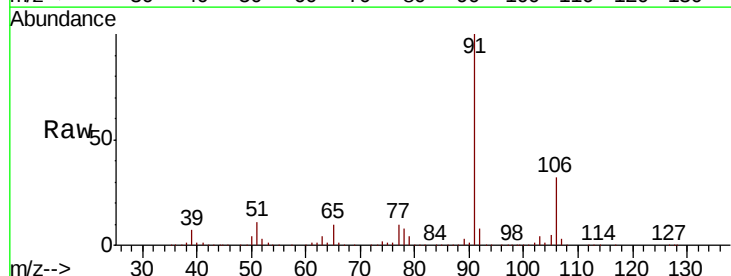


Abundance Ion 112.10 (111.80 to 112.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): VL0

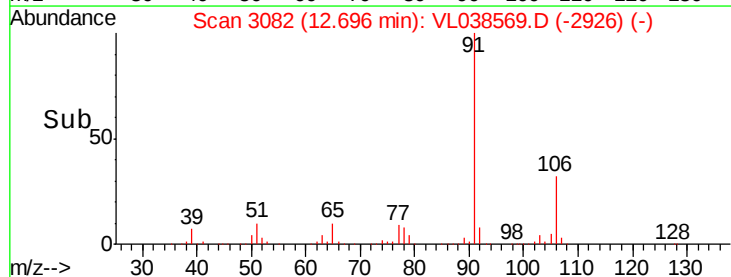
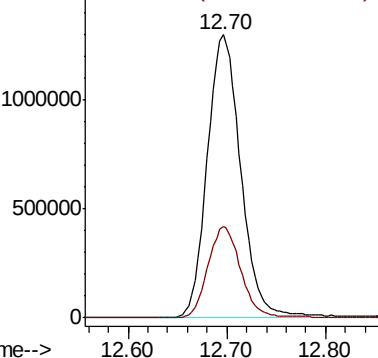


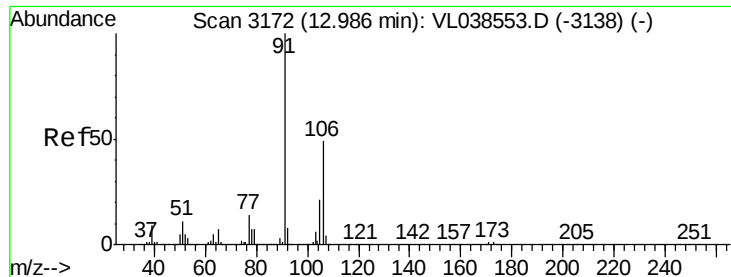
#58
Ethyl Benzene
Concen: 8.456 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

Tgt Ion: 91 Resp: 3049207
Ion Ratio Lower Upper
91 100
106 32.1 24.6 37.0



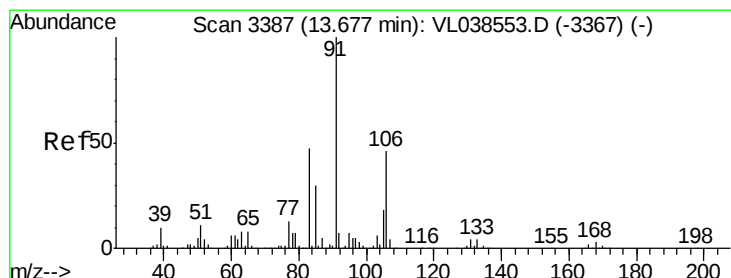
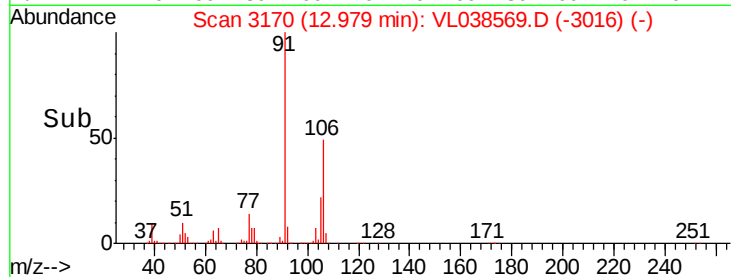
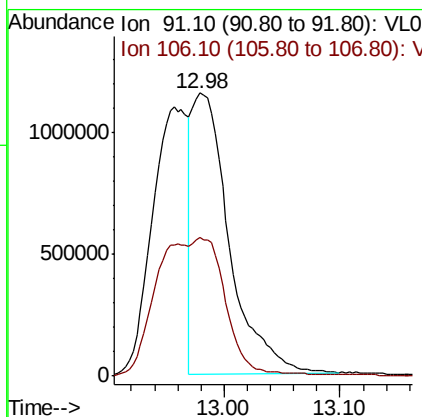
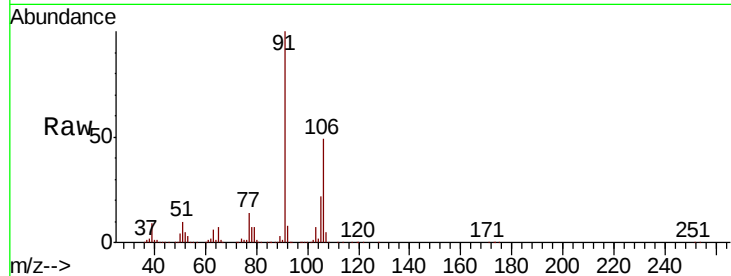
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): VL0





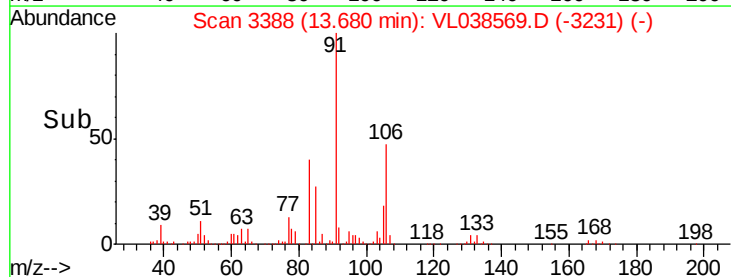
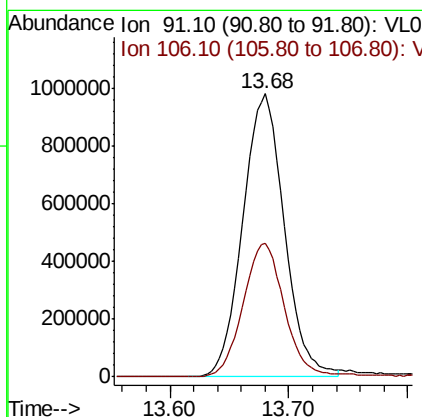
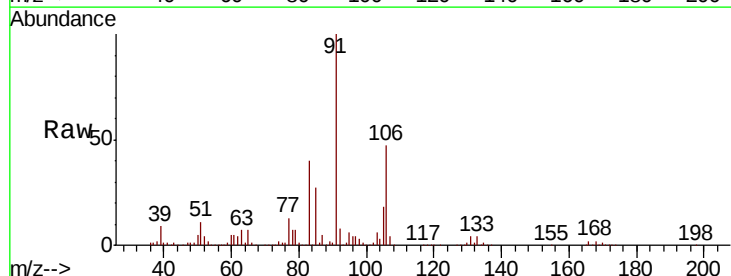
#59
m/p-Xylene
Concen: 8.282 ppbv
RT: 12.98 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 3:57

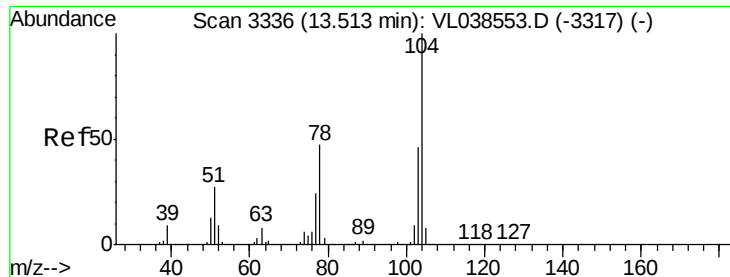
Tot Ion: 91 Resp: 2556903
Ion Ratio Lower Upper
91 100
106 92.5 37.1 55.7#



#60
o-Xylene
Concen: 8.110 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

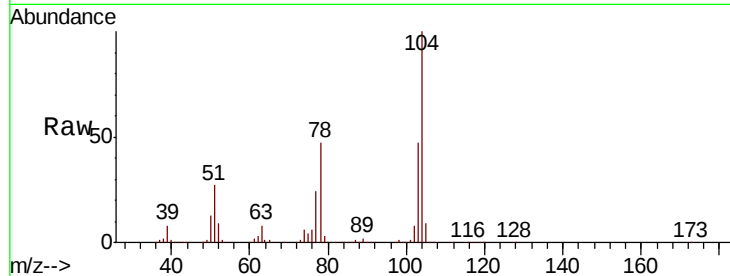
Tgt Ion: 91 Resp: 2364012
Ion Ratio Lower Upper
91 100
106 48.2 23.5 70.6



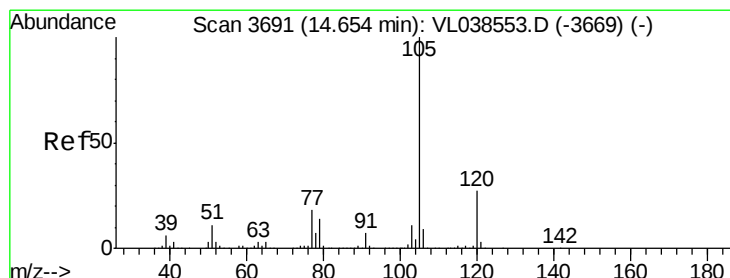
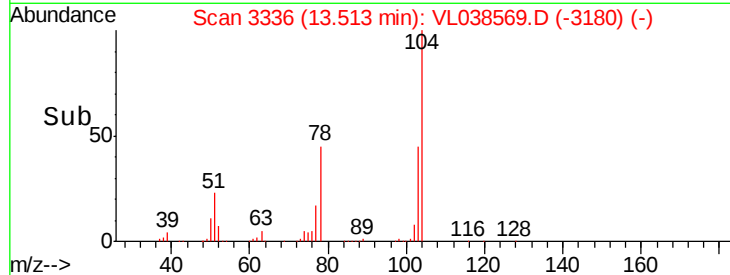
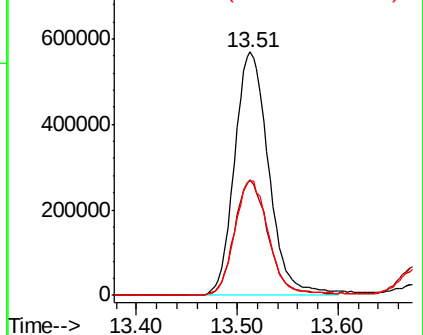


#61
Stvrene
Concen: 9.336 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 3:57

Tot Ion:104 Resp: 1341103
Ion Ratio Lower Upper
104 100
78 47.5 39.0 58.4
103 47.5 38.0 57.0

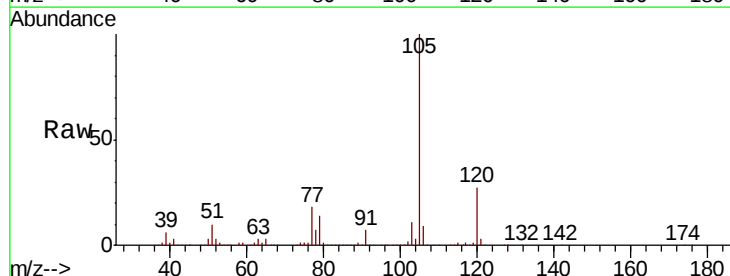


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

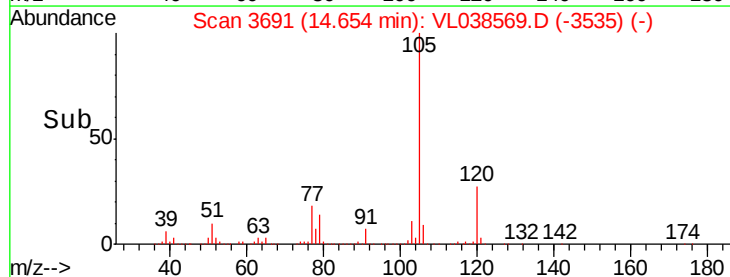
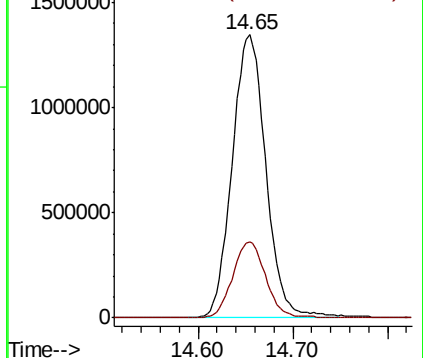


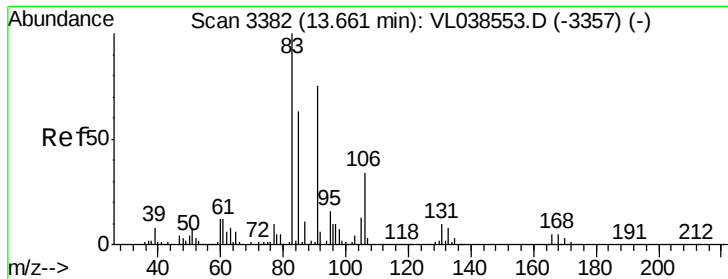
#62
Isopropylbenzene
Concen: 8.289 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL038569.D
Acq: 9 Mar 2022 3:57

Tgt Ion:105 Resp: 3334140
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8



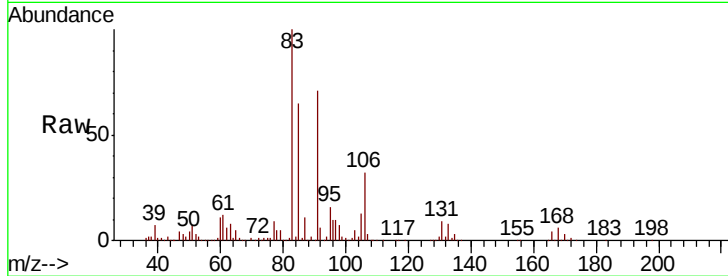
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



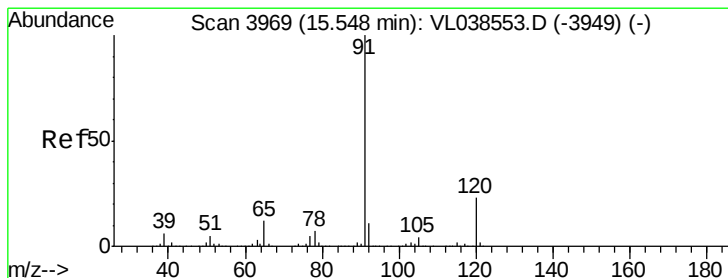
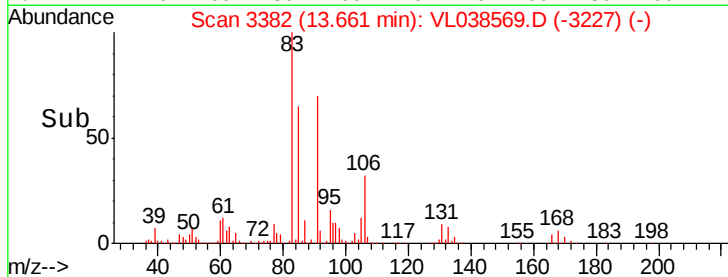
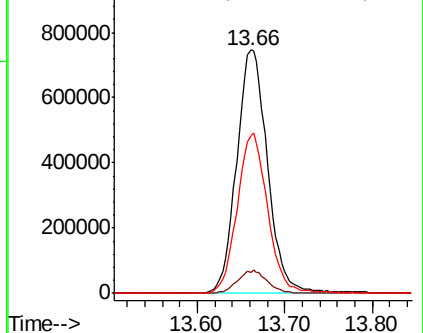


#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.399 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 3:57

Tot Ion: 83 Resp: 1822347
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.1
 85 65.5 32.6 98.0

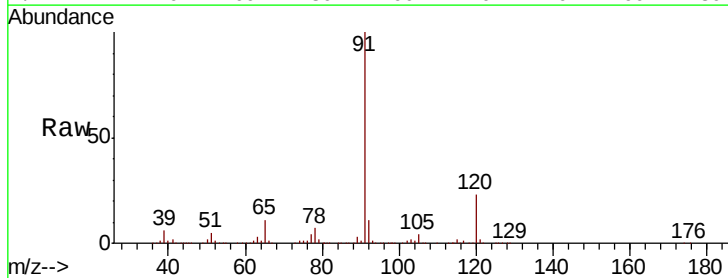


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0

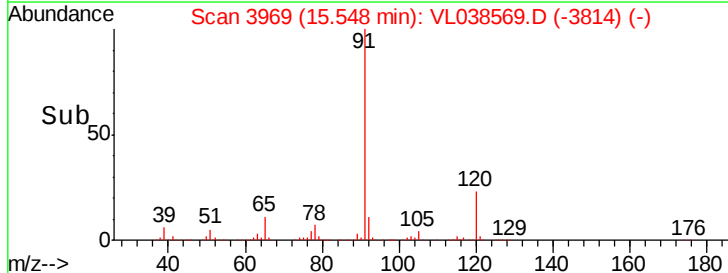
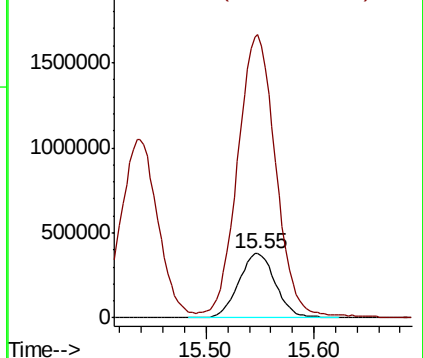


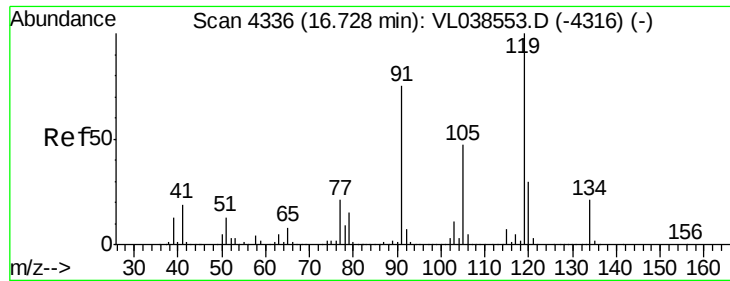
#64
 n-propylbenzene
 Concen: 8.803 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 120 Resp: 902363
 Ion Ratio Lower Upper
 120 100
 91 456.4 374.2 561.2



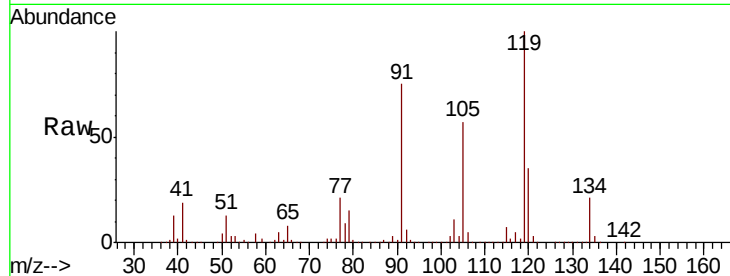
Abundance Ion 120.20 (119.90 to 120.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0



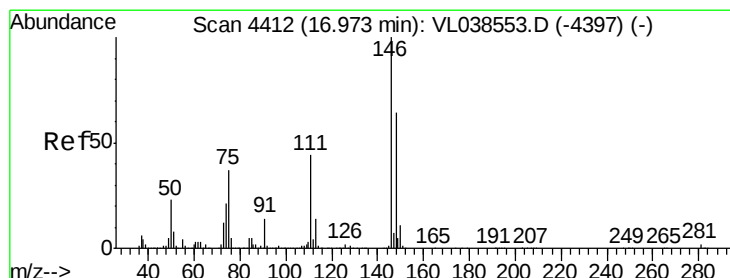
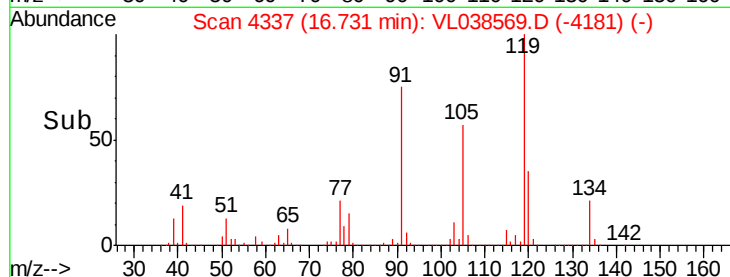
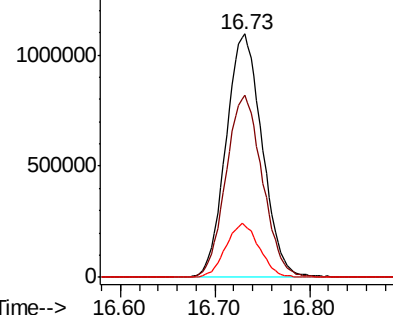


#65
 tert-Butylbenzene
 Concen: 8.065 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

Tot Ion: 119 Resp: 2901071
 Ion Ratio Lower Upper
 119 100
 91 75.8 61.2 91.8
 134 20.5 16.2 24.2

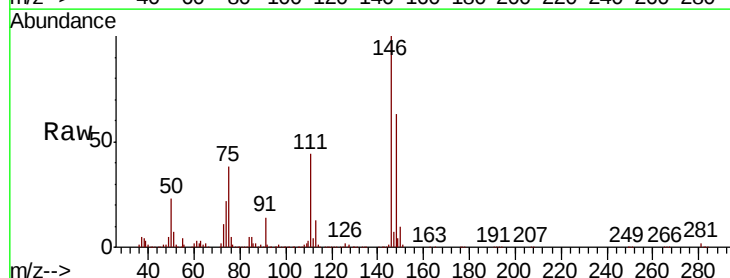


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

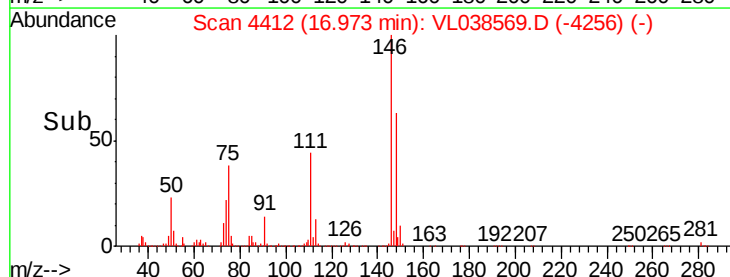
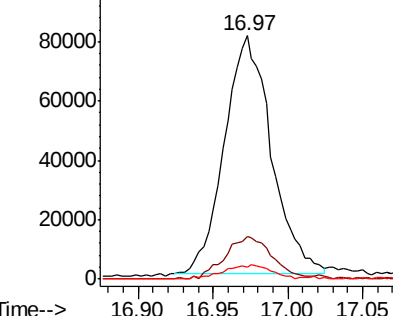


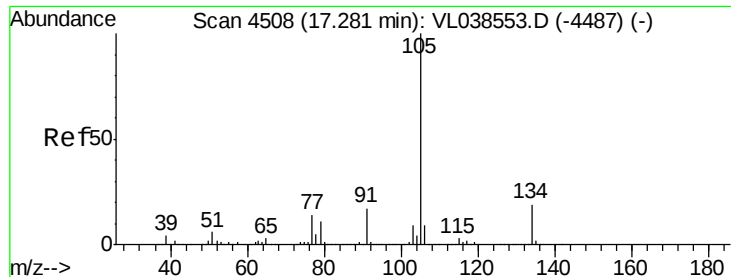
#66
 Benzyl Chloride
 Concen: 8.221 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T.: 0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 91 Resp: 175228
 Ion Ratio Lower Upper
 91 100
 126 18.9 14.1 21.1
 128 6.6 5.1 7.7



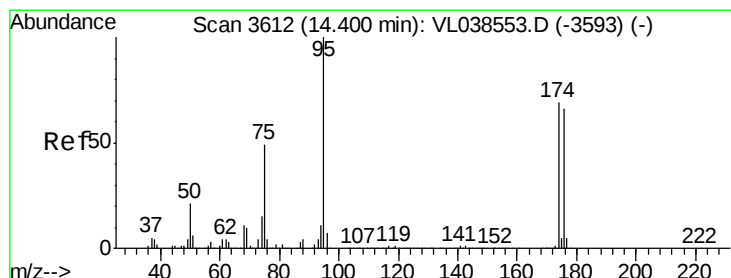
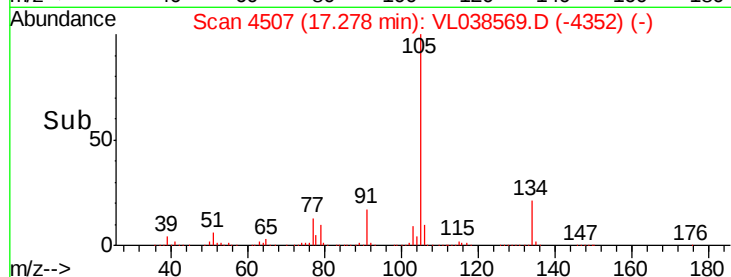
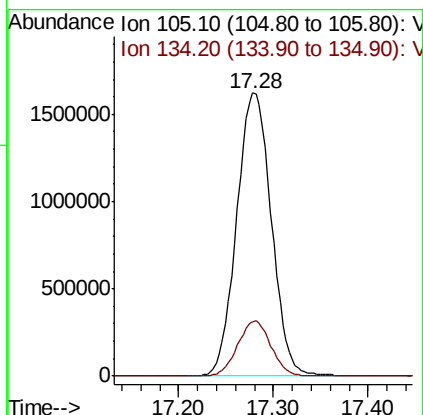
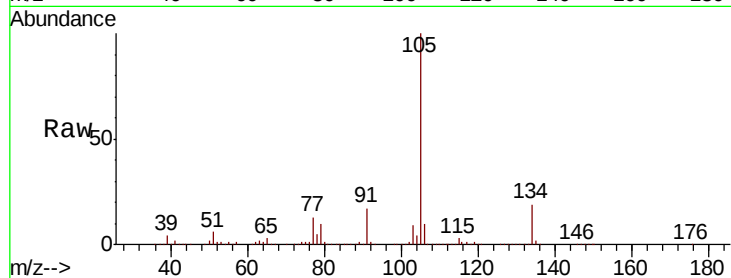
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





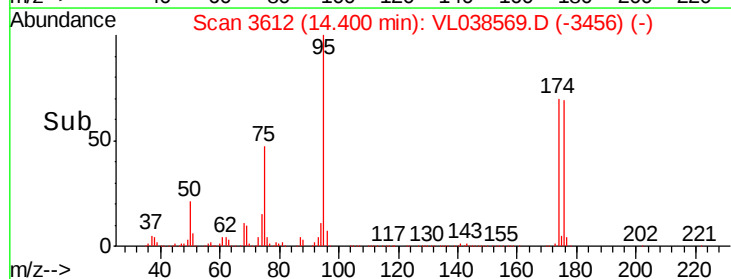
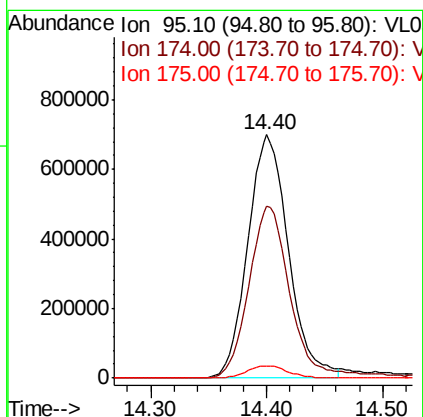
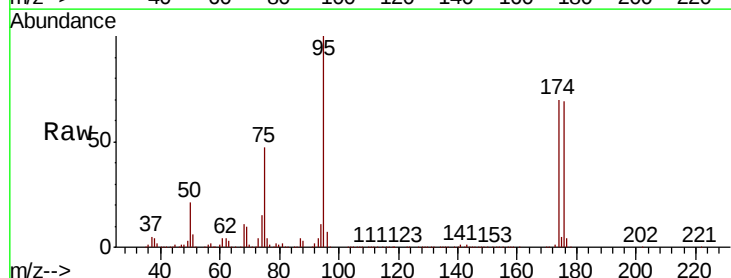
#67
 sec-Butylbenzene
 Concen: 8.073 ppbv
 RT: 17.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

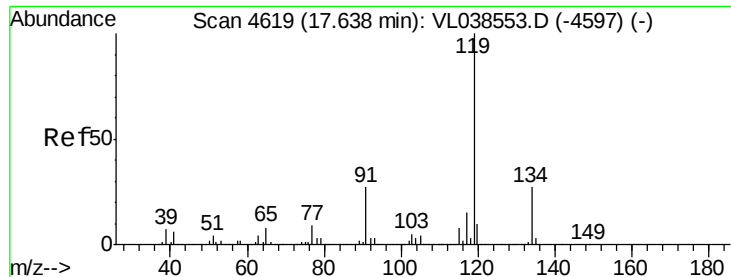
Tot Ion: 105 Resp: 4127227
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.068 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T.: -0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

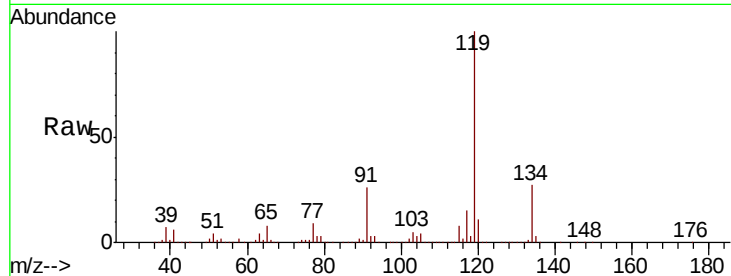
Tgt Ion: 95 Resp: 1708351
 Ion Ratio Lower Upper
 95 100
 174 73.0 56.2 84.4
 175 5.4 4.2 6.2



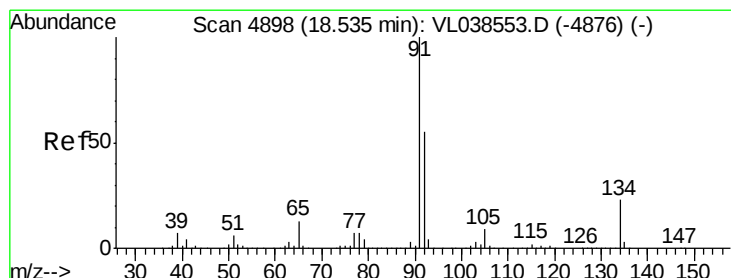
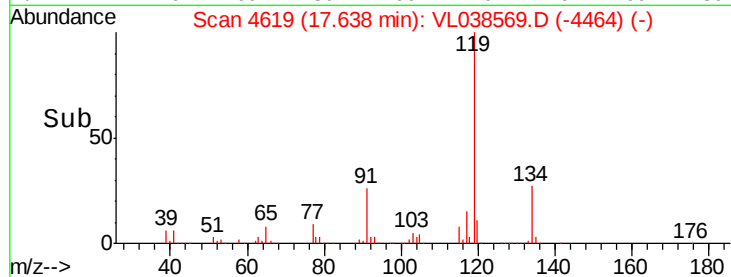
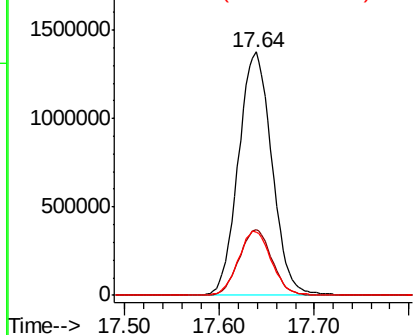


#69
 p-Isopropyltoluene
 Concen: 7.998 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 3:57

Tot Ion: 119 Resp: 3387458
 Ion Ratio Lower Upper
 119 100
 134 26.7 20.9 31.3
 91 25.9 21.1 31.7

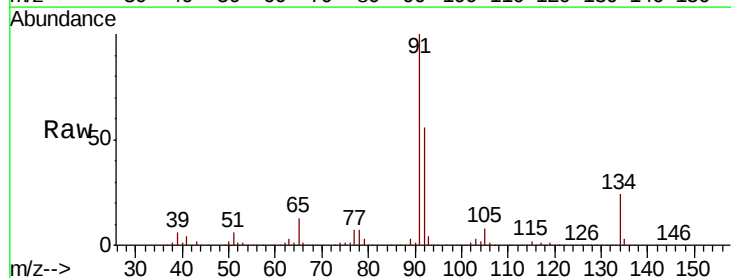


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

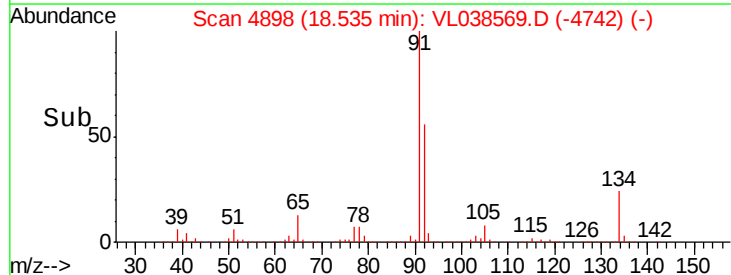
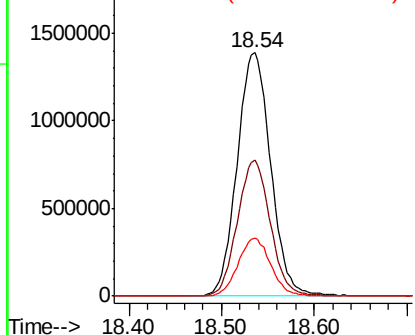


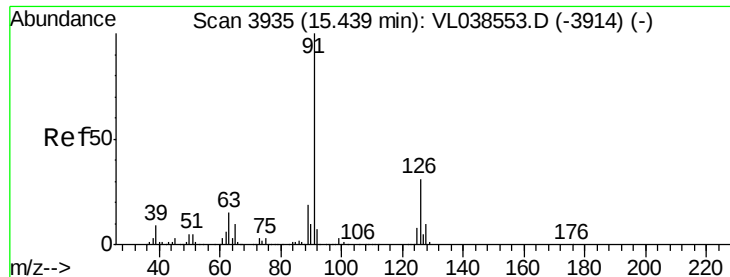
#70
 n-Butylbenzene
 Concen: 7.722 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion: 91 Resp: 3482916
 Ion Ratio Lower Upper
 91 100
 92 55.1 43.8 65.8
 134 23.5 18.7 28.1



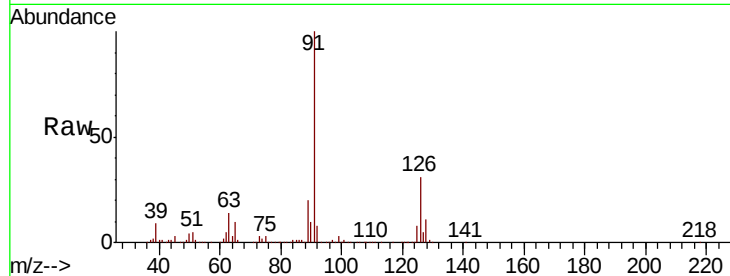
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V



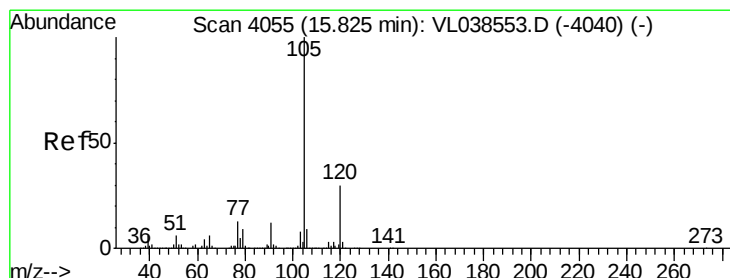
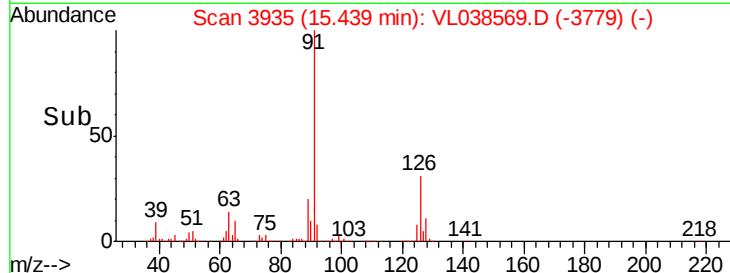
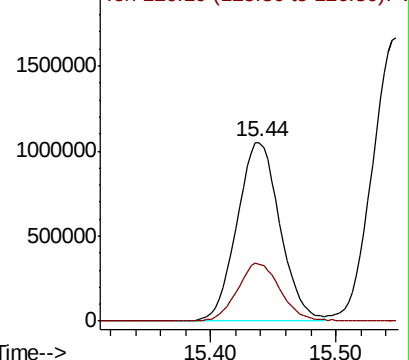


#71
 2-Chlorotoluene
 Concen: 8.396 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

Tot Ion: 91 Resp: 2507591
 Ion Ratio Lower Upper
 91 100
 126 33.0 12.9 51.7

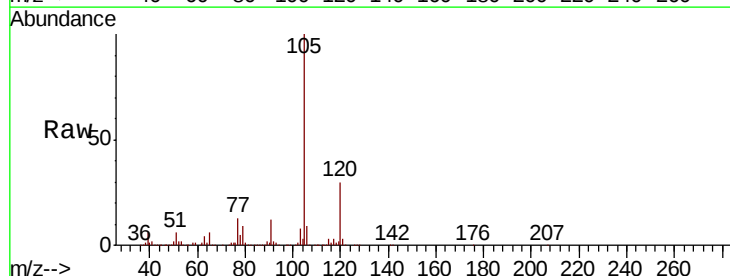


Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V

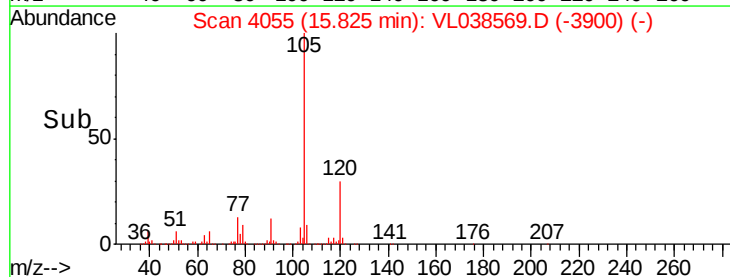
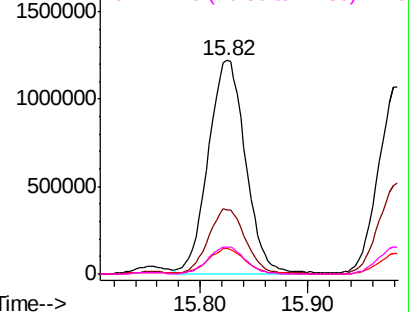


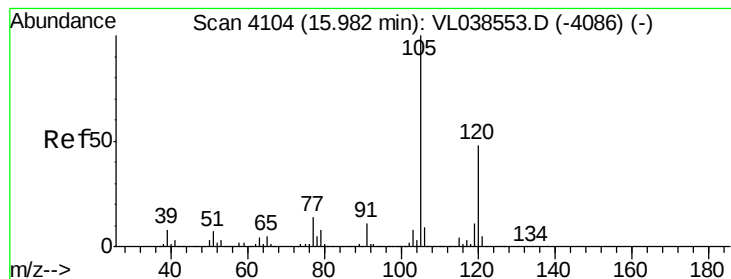
#72
 4-Ethyltoluene
 Concen: 8.784 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion:105 Resp: 2941428
 Ion Ratio Lower Upper
 105 100
 120 30.3 25.0 37.4
 91 11.7 9.8 14.6
 77 12.7 10.7 16.1



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.240 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

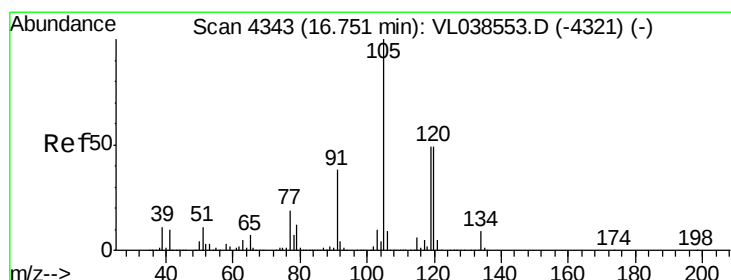
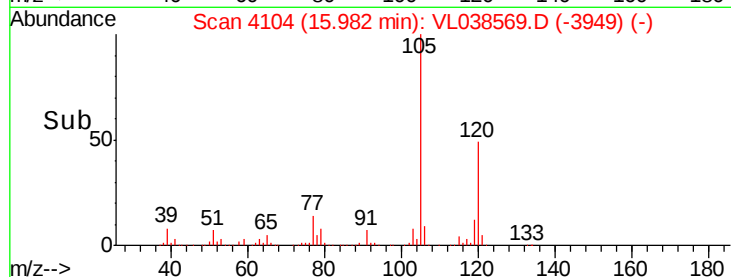
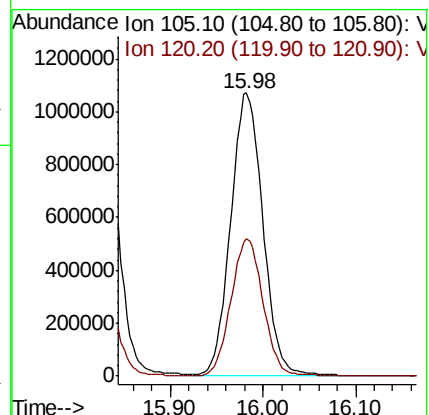
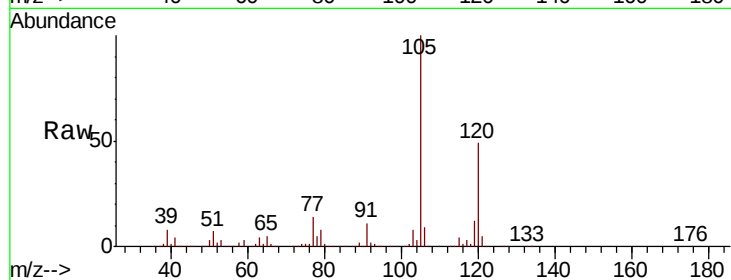
Acq: 9 Mar 2022 3:57

Tot Ion:105 Resp: 2561345

Ion Ratio Lower Upper

105 100

120 48.6 38.3 57.5



#74

1,2,4-Trimethylbenzene

Concen: 7.963 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

Tgt Ion:105 Resp: 2644099

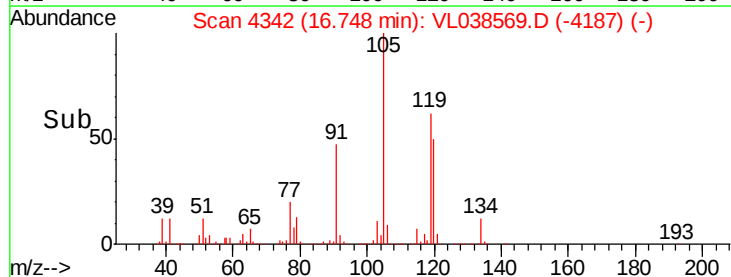
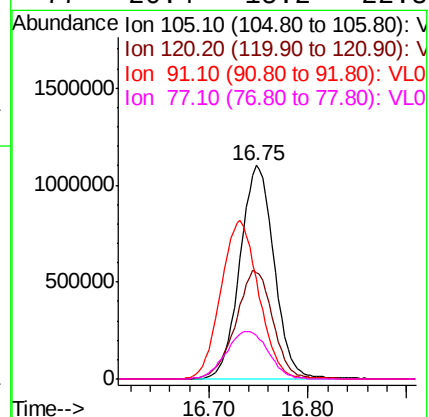
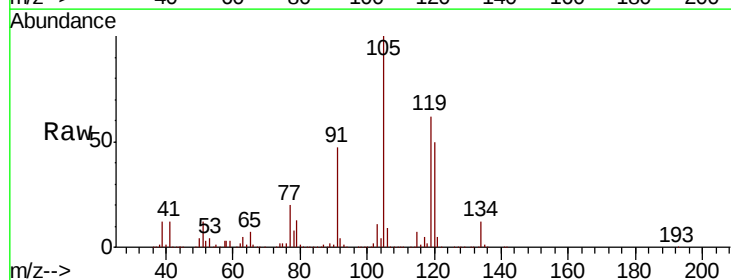
Ion Ratio Lower Upper

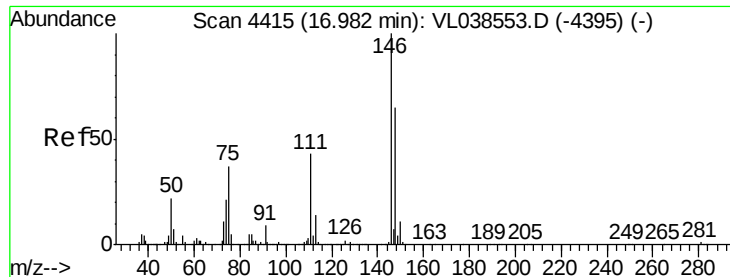
105 100

120 49.3 38.9 58.3

91 46.5 30.6 46.0#

77 20.4 15.2 22.8





#75

1,3-Dichlorobenzene

Concen: 8.024 ppbv

RT: 16.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 3:57

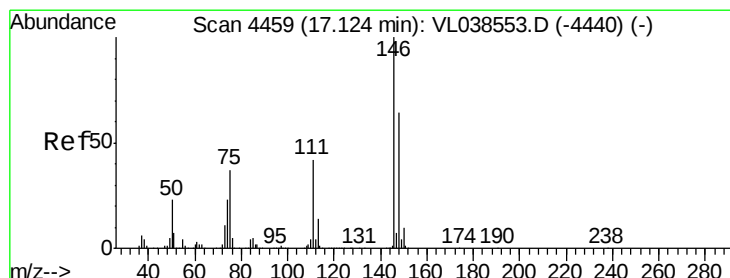
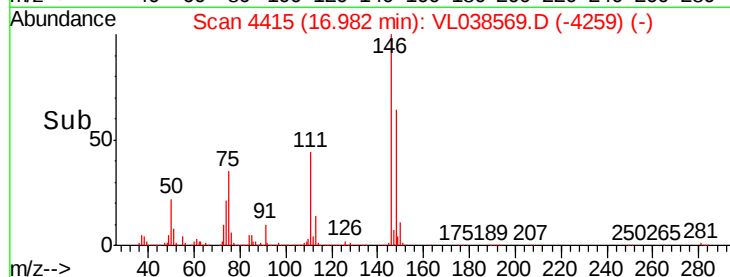
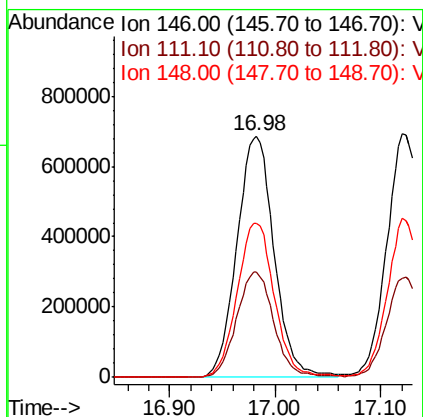
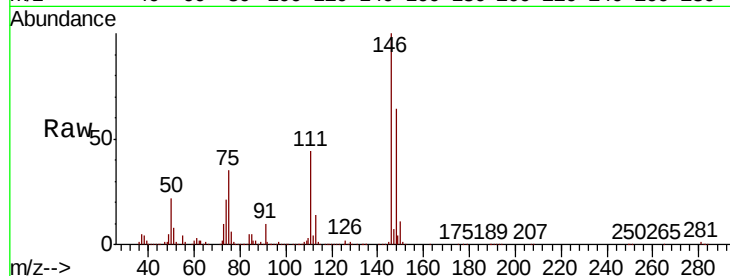
Tot Ion:146 Resp: 1681034

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.8

148 64.1 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 7.832 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

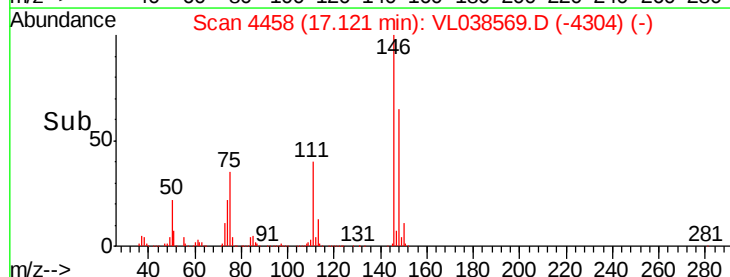
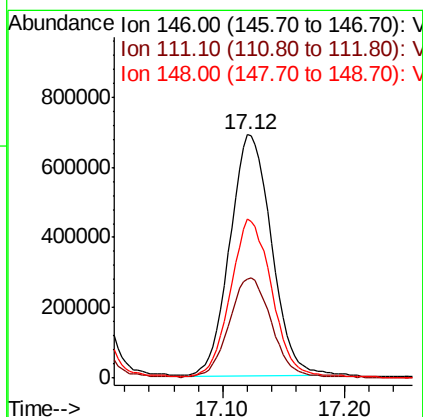
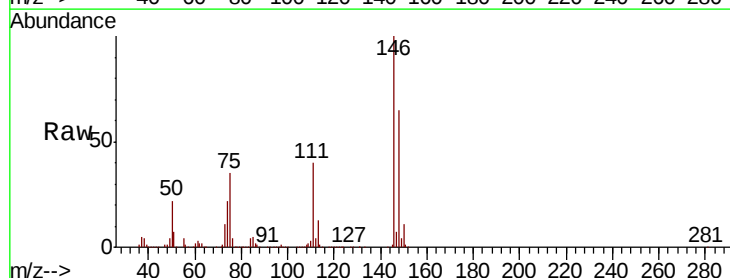
Tgt Ion:146 Resp: 1625332

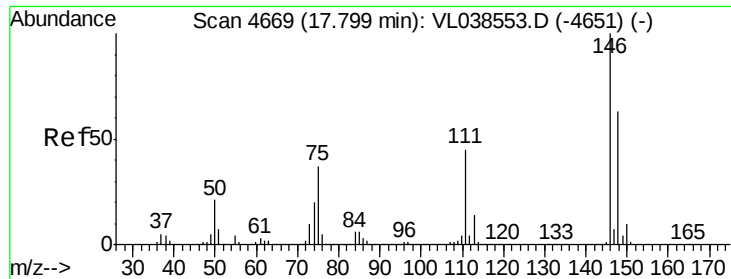
Ion Ratio Lower Upper

146 100

111 43.2 21.8 65.3

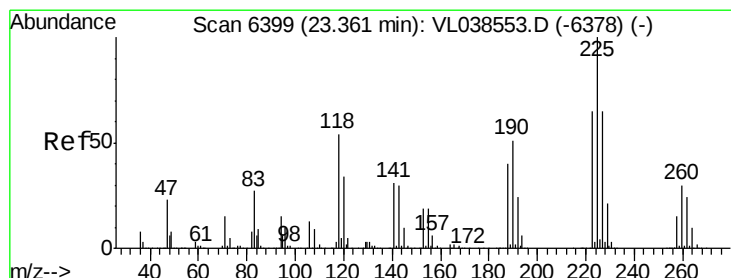
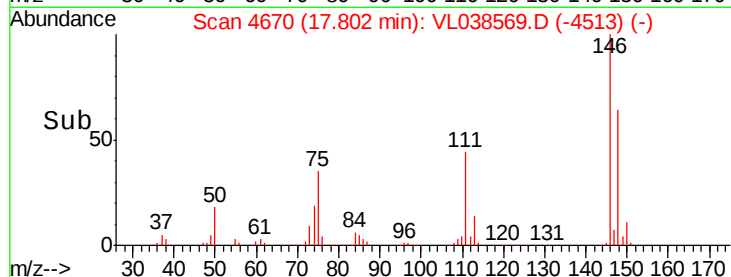
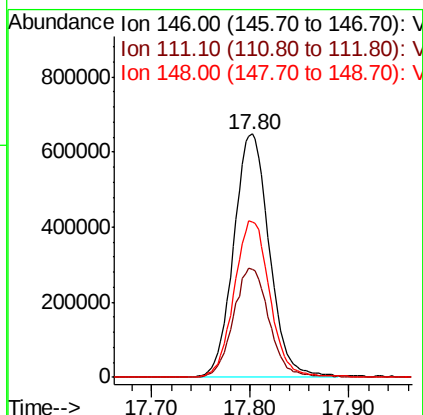
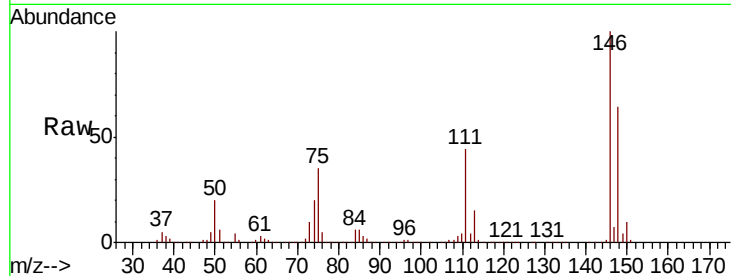
148 66.5 32.8 98.4





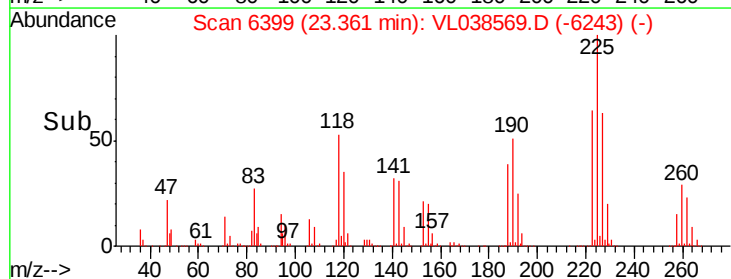
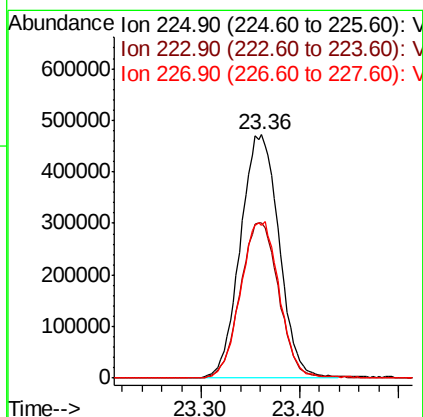
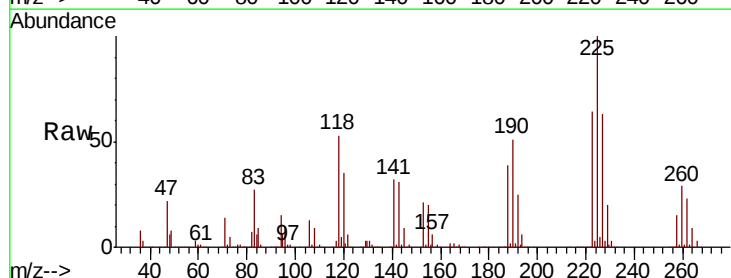
#77
 1,2-Dichlorobenzene
 Concen: 7.625 ppbv
 RT: 17.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Mar 2022 3:57

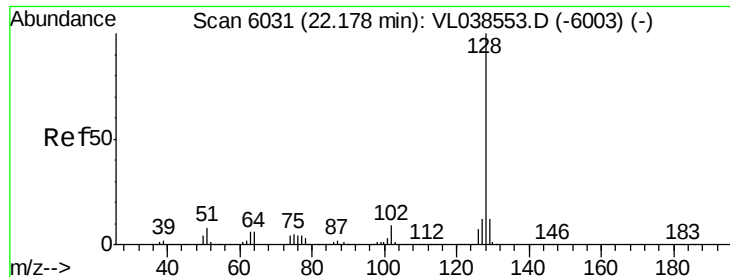
Tot Ion:146 Resp: 1616264
 Ion Ratio Lower Upper
 146 100
 111 45.6 23.2 69.5
 148 65.4 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.184 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T.: -0.00 min
 Lab File: VL038569.D
 Acq: 9 Mar 2022 3:57

Tgt Ion:225 Resp: 1278491
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.4 77.0
 227 64.5 51.9 77.9





#79

Naphthalene

Concen: 8.225 ppbv

RT: 22.17 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 3:57

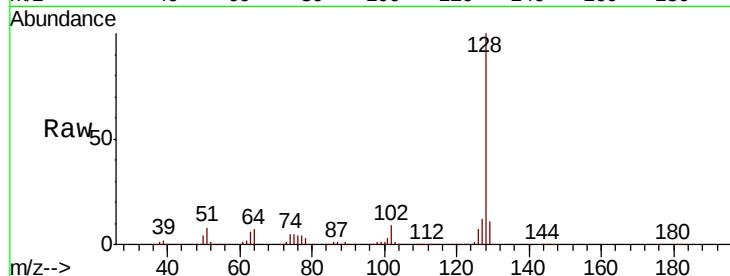
Tot Ion:128 Resp: 2456956

Ion Ratio Lower Upper

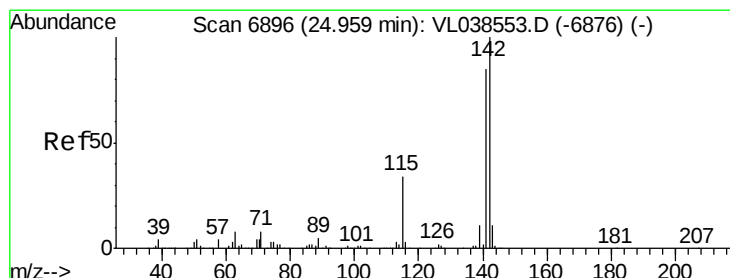
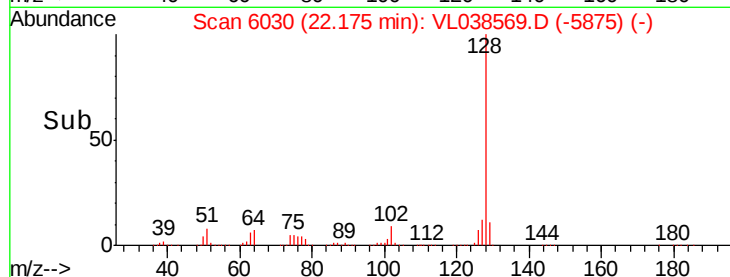
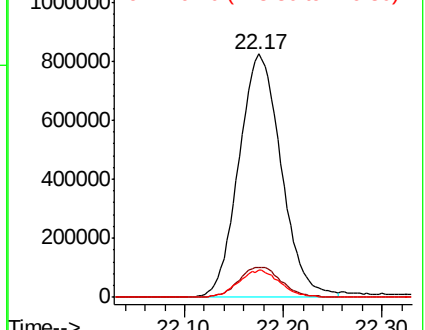
128 100

127 12.0 9.9 14.9

129 11.0 9.3 13.9



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



#80

Naphthalene, 2-methyl-

Concen: 11.848 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL038569.D

Acq: 9 Mar 2022 3:57

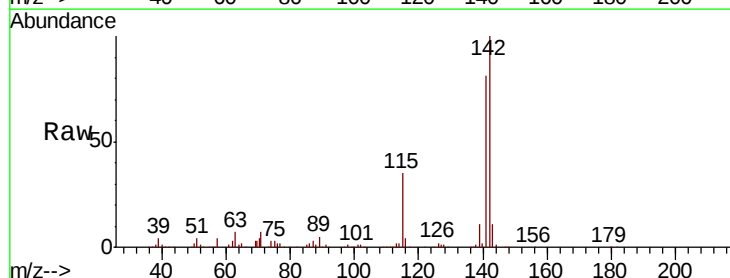
Tgt Ion:142 Resp: 624688

Ion Ratio Lower Upper

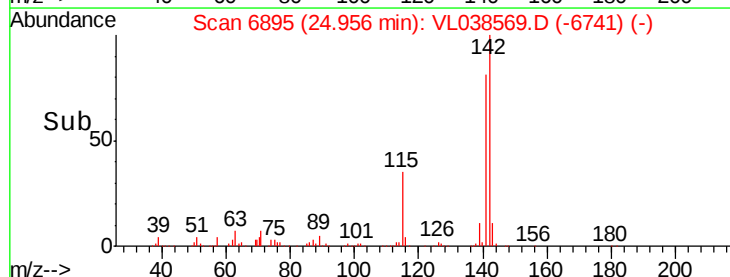
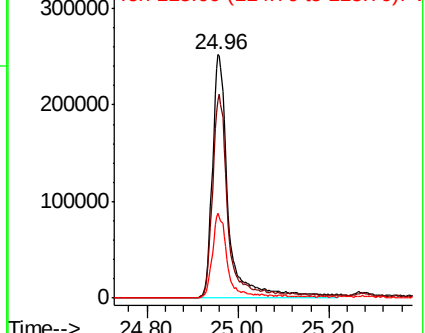
142 100

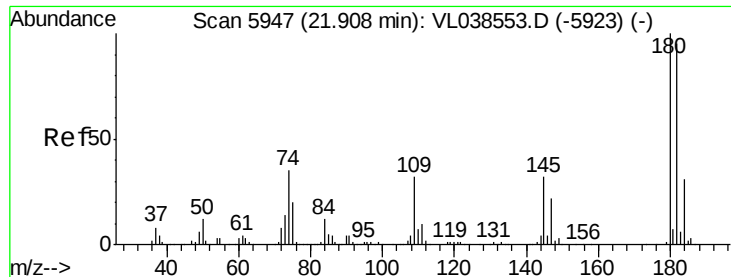
141 82.2 68.4 102.6

115 32.2 27.9 41.9



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





#81

1,2,4-Trichlorobenzene

Concen: 7.185 ppbv

RT: 21.90

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 3:37

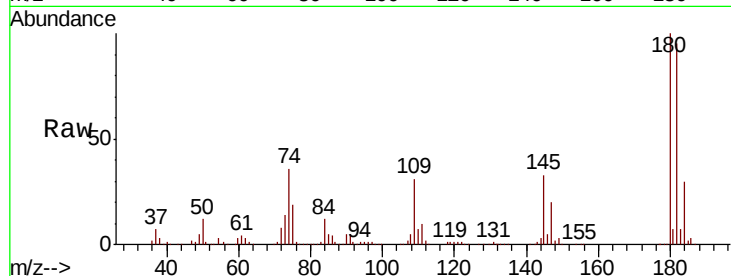
Tot Ion:180 Resp: 1371535

Ion Ratio Lower Upper

180 100

182 98.0 79.1 118.7

184 31.2 25.0 37.6



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

