

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038023.D
 Acq On : 16 Nov 2021 1:47
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 16 03:19:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	883777	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3372727	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3894237	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2310493	8.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1590528	11.975	ppbv 100
3) Chlorodifluoromethane	2.99	51	2007741	11.443	ppbv 100
4) Chloromethane	3.14	50	738400	11.174	ppbv 100
5) Vinyl Chloride	3.26	62	745034	11.852	ppbv 100
6) Bromomethane	3.48	94	380991	11.210	ppbv 100
7) Chloroethane	3.56	64	250876	10.990	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1637927	10.867	ppbv 100
9) Propene	3.01	41	761977	11.920	ppbv 100
10) Heptane	8.12	43	1864082	12.646	ppbv 100
11) Trichlorofluoromethane	3.95	101	1547183	11.733	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1215499	11.805	ppbv 100
13) Ethanol	3.62	45	24005	3.864	ppbv # 36
14) Bromoethene	3.74	108	490863	11.090	ppbv 100
15) Acetone	3.85	43	845059	10.908	ppbv 99
16) 1,3-Butadiene	3.33	39	705257	11.597	ppbv 100
17) tert-Butyl alcohol	4.29	59	1311541	14.866	ppbv 100
18) 1,1-Dichloroethene	4.29	96	560101	11.758	ppbv 100
19) Isopropyl Alcohol	3.97	45	651532	12.792	ppbv 99
20) Methylene Chloride	4.35	84	462395	10.879	ppbv 100
21) Allyl Chloride	4.41	41	931719	12.715	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	598659	12.489	ppbv 100
23) Vinyl Acetate	5.07	43	1570944	12.972	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1206224	12.274	ppbv 100
25) Ethyl Acetate	5.67	43	2183365	9.949	ppbv 99
26) Hexane	5.69	57	1058855	10.129	ppbv 100
27) Carbon Disulfide	4.55	76	1504162	13.600	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1424098	14.424	ppbv 100
29) Chloroform	5.75	83	1740083	10.859	ppbv 100
30) Cyclohexane	7.13	84	1193031	12.512	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	927153	9.873	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1976814	12.349	ppbv 100
34) 2-Butanone	5.24	43	960479	7.930	ppbv 100
35) Carbon Tetrachloride	7.02	117	1986354	9.613	ppbv 100
36) Benzene	6.89	78	2845756	10.218	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1378485	10.362	ppbv 100
38) Trichloroethene	7.83	130	1047323	9.184	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1131951	10.669	ppbv 100
40) 1,4-Dioxane	7.83	88	256063	9.382	ppbv # 100
41) Tetrahydrofuran	6.05	42	725422	11.402	ppbv 100
42) Bromodichloromethane	7.79	83	2149232	10.624	ppbv 100
43) Methyl Methacrylate	8.01	69	1060537	11.471	ppbv 100

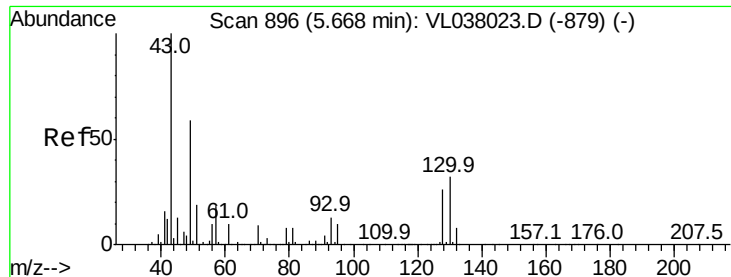
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038023.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4655852	9.874	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	962267	13.715	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1199794	12.705	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1140319	9.724	ppbv	100
48) Dibromochloromethane	10.30	129	1850830	11.016	ppbv	99
49) Bromoform	13.03	173	1444129	10.940	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1841070	11.020	ppbv	100
51) 2-Hexanone	10.14	43	420793	5.833	ppbv #	19
52) Tetrachloroethene	11.22	164	972655	9.314	ppbv	100
53) Toluene	9.80	91	3271573	10.943	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1621667	10.655	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1218006	7.773	ppbv	98
57) Chlorobenzene	12.14	112	2293681	7.450	ppbv	100
58) Ethyl Benzene	12.70	91	4200831	8.782	ppbv	100
59) m/p-Xylene	12.99	91	3778030	8.997	ppbv #	44
60) o-Xylene	13.69	91	3126176	7.910	ppbv	99
61) Styrene	13.52	104	1932611	10.380	ppbv	100
62) Isopropylbenzene	14.66	105	4518172	7.999	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2183339	6.420	ppbv	100
64) n-propylbenzene	15.55	120	1177653	8.197	ppbv	100
65) tert-Butylbenzene	16.74	119	3774303	7.613	ppbv	100
66) Benzyl Chloride	16.98	91	302482	11.216	ppbv	100
67) sec-Butylbenzene	17.28	105	5242918	7.674	ppbv	100
69) p-Isopropyltoluene	17.64	119	4281417	7.828	ppbv	100
70) n-Butylbenzene	18.54	91	4084746	8.134	ppbv	100
71) 2-Chlorotoluene	15.45	91	3258095	8.266	ppbv	100
72) 4-Ethyltoluene	15.83	105	3883612	8.488	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3403620	8.008	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3360404	7.588	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	1984797	7.226	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	1953590	7.332	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	1830180	7.102	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1040286	4.888	ppbv	100
79) Naphthalene	22.18	128	2046496	8.388	ppbv	100
80) Naphthalene,2-methyl-	24.96	142	405260	9.649	ppbv	100
81) 1,2,4-Trichlorobenzene	21.92	180	509147	3.209	ppbv #	2

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47

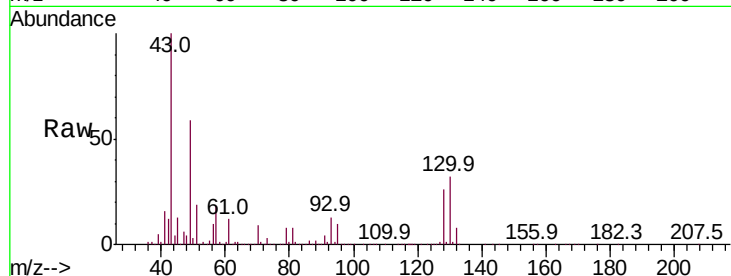
Tot Ion: 49 Resp: 883777

Ion Ratio Lower Upper

49 100

128 46.8 23.4 70.2

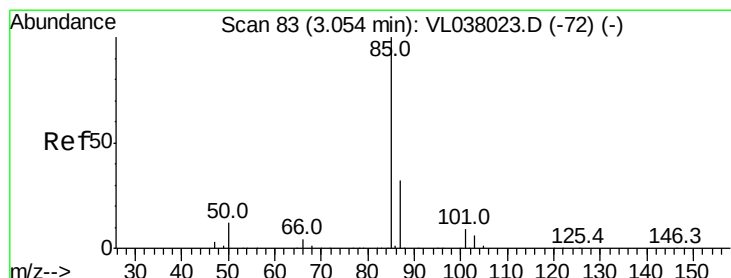
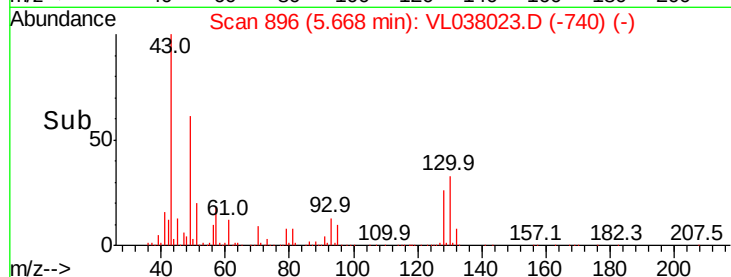
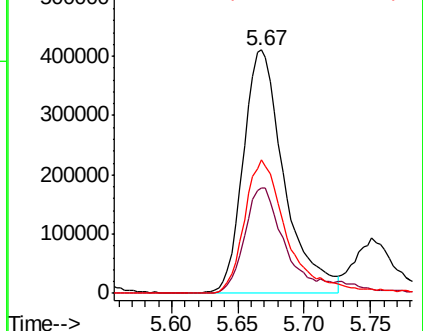
130 58.2 29.1 87.3



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: 11.975 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038023.D

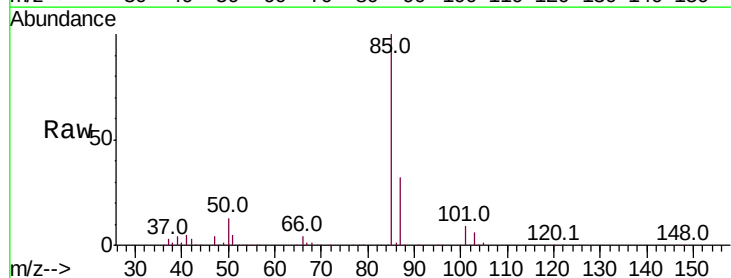
Acq: 16 Nov 2021 1:47

Tgt Ion: 85 Resp: 1590528

Ion Ratio Lower Upper

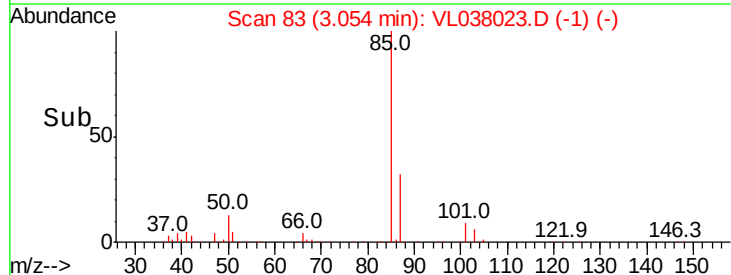
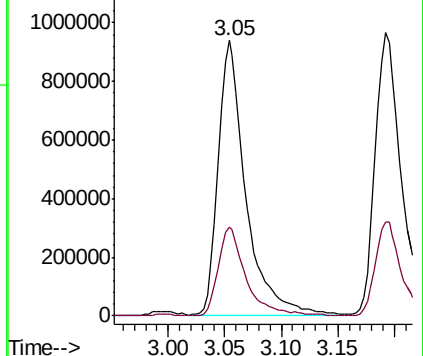
85 100

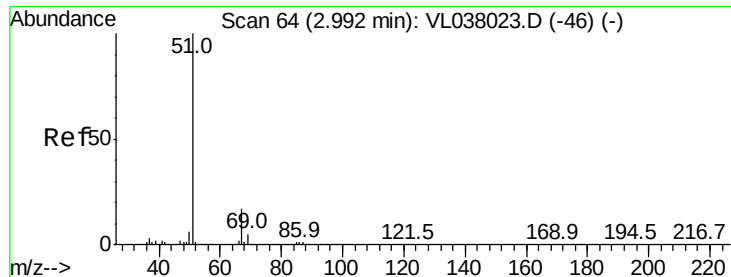
87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.443 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

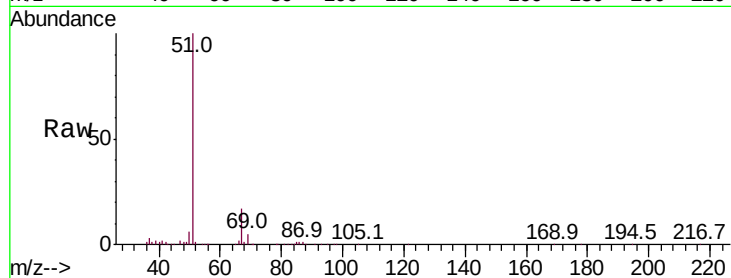
Acq: 16 Nov 2021 1:47

Tot Ion: 51 Resp: 2007741

Ion Ratio Lower Upper

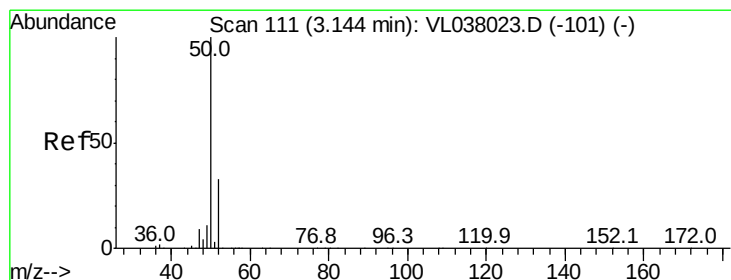
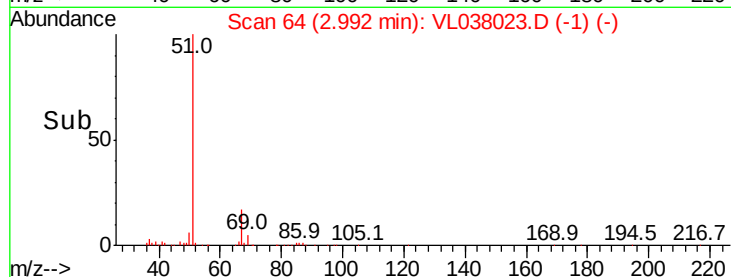
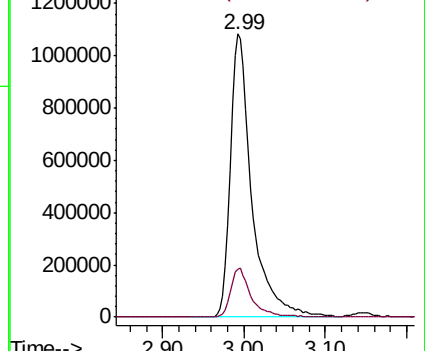
51 100

67 16.9 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.174 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038023.D

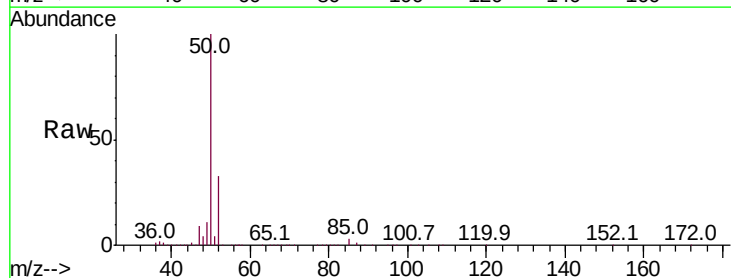
Acq: 16 Nov 2021 1:47

Tgt Ion: 50 Resp: 738400

Ion Ratio Lower Upper

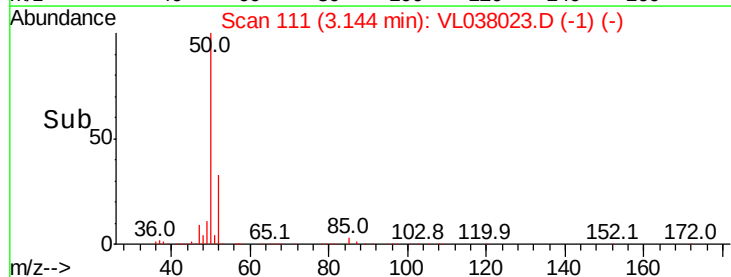
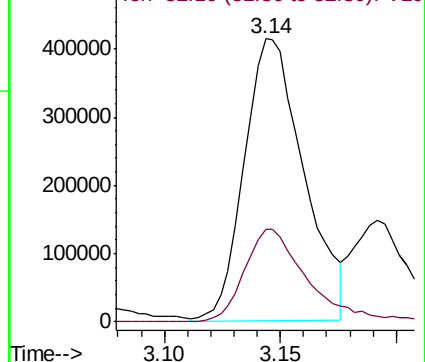
50 100

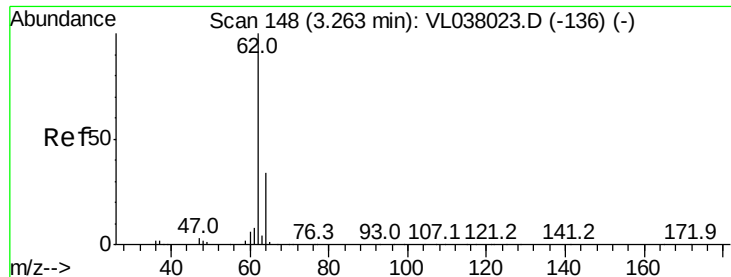
52 33.0 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.852 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

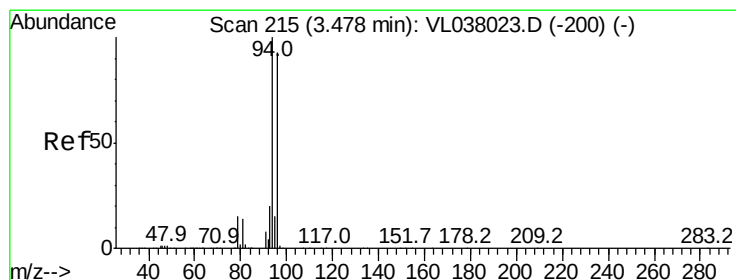
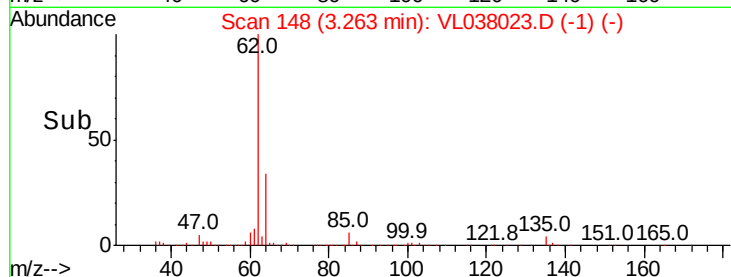
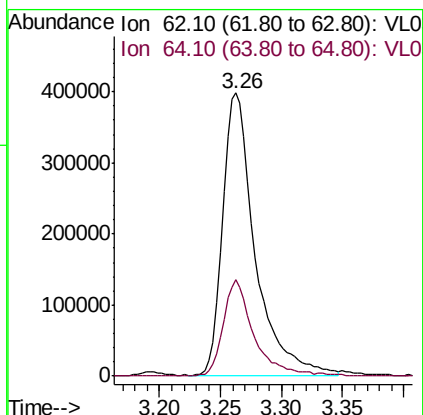
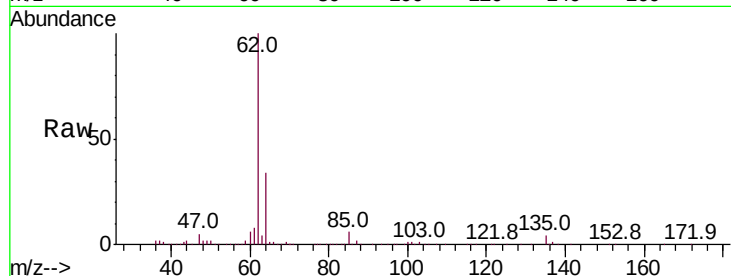
Acq: 16 Nov 2021 1:47

Tot Ion: 62 Resp: 745034

Ion Ratio Lower Upper

62 100

64 34.2 27.4 41.0



#6

Bromomethane

Concen: 11.210 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038023.D

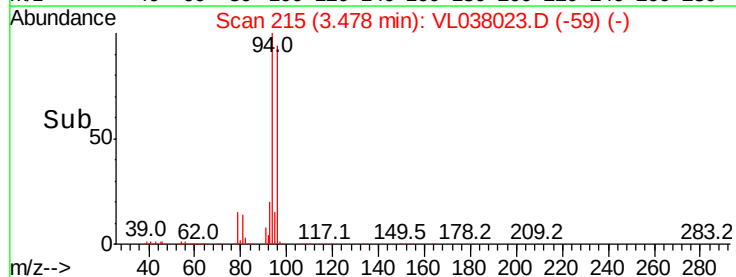
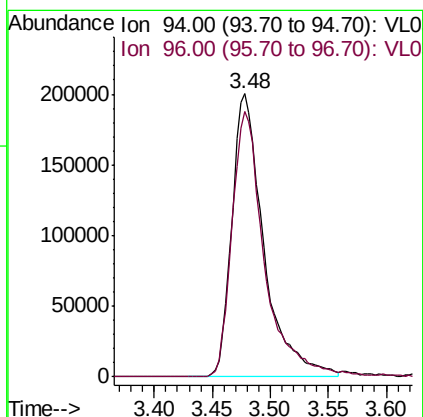
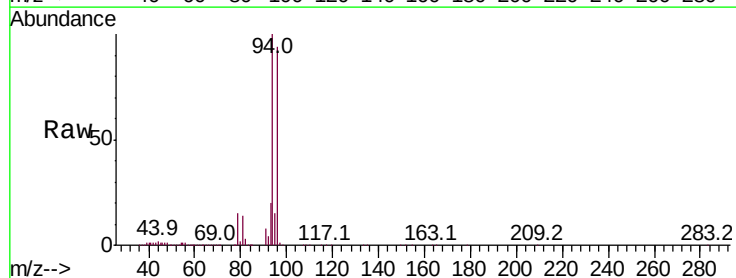
Acq: 16 Nov 2021 1:47

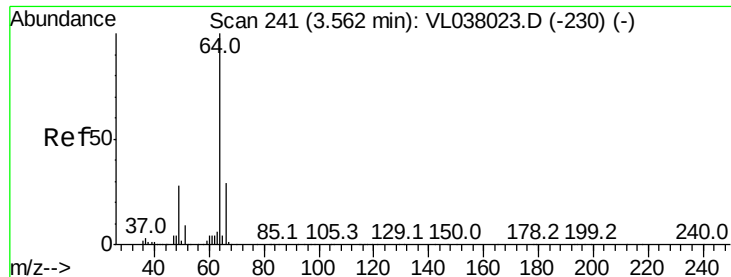
Tgt Ion: 94 Resp: 380991

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2





#7

Chloroethane

Concen: 10.990 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

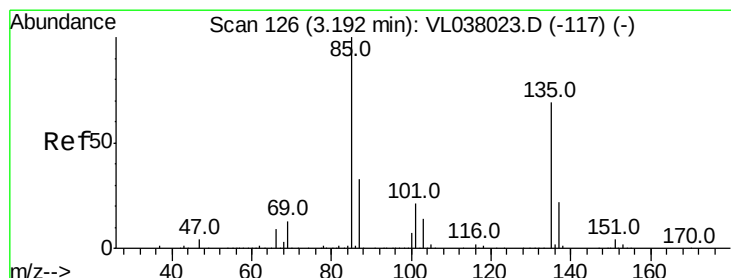
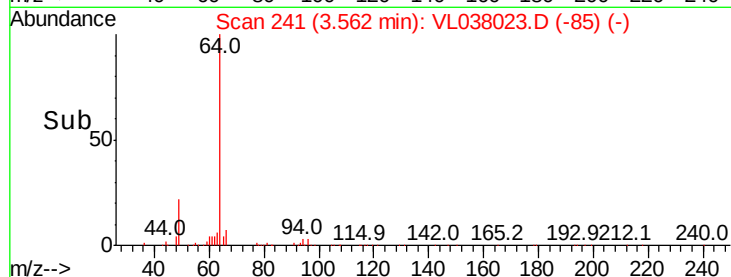
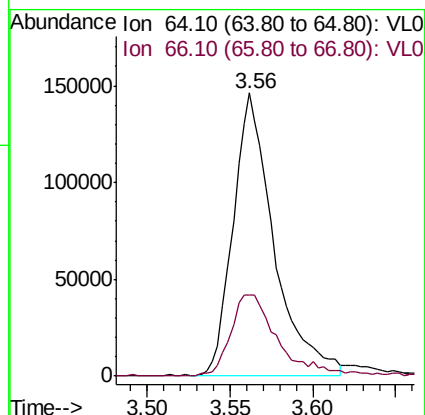
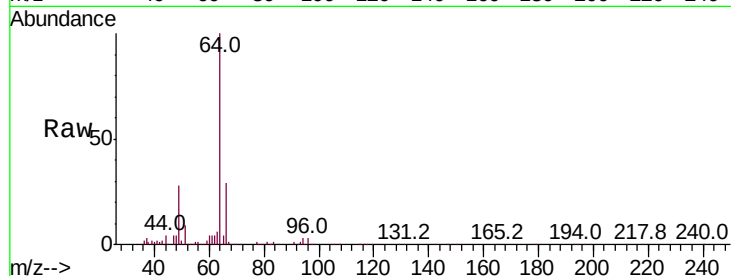
Acq: 16 Nov 2021 1:47

Tot Ion: 64 Resp: 250876

Ion Ratio Lower Upper

64 100

66 28.9 23.1 34.7



#8

Dichlorotetrafluoroethane

Concen: 10.867 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038023.D

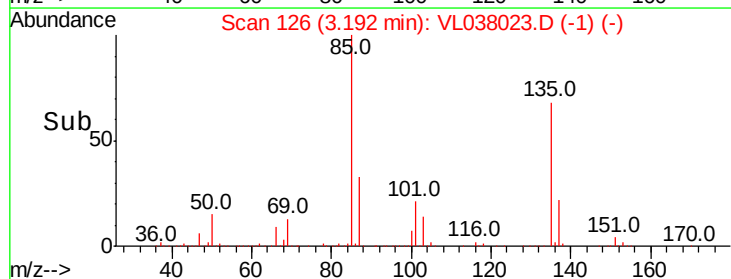
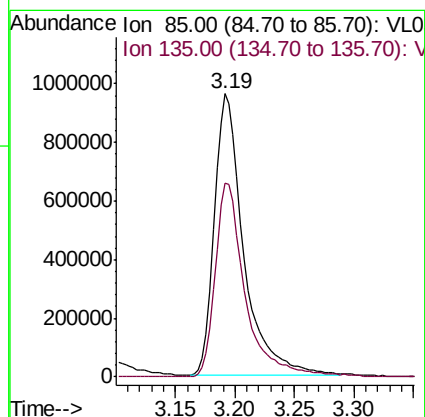
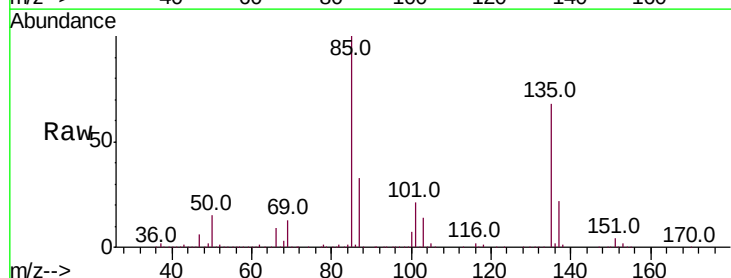
Acq: 16 Nov 2021 1:47

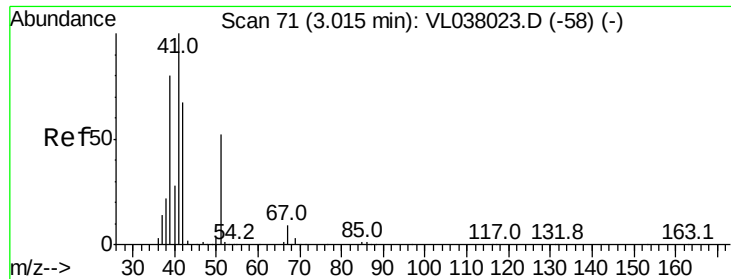
Tgt Ion: 85 Resp: 1637927

Ion Ratio Lower Upper

85 100

135 71.3 57.0 85.6





#9

Propene

Concen: 11.920 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

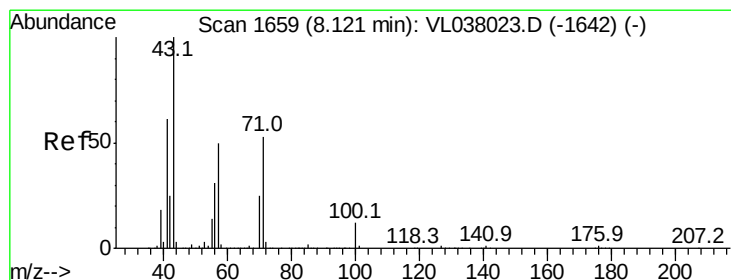
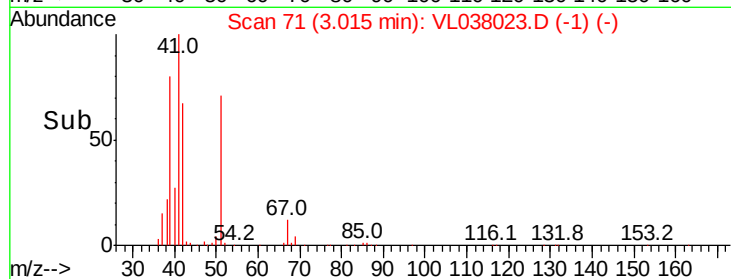
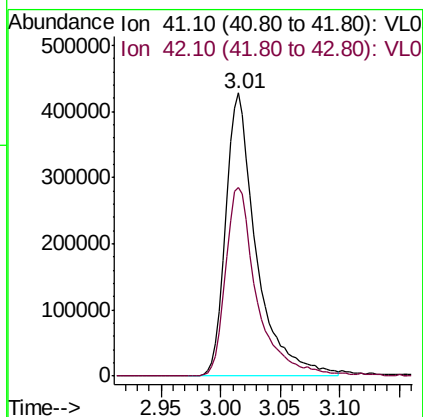
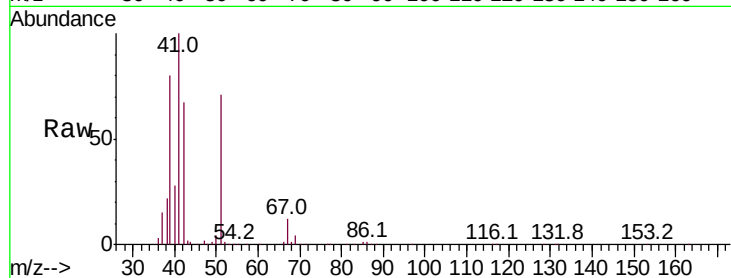
Acq: 16 Nov 2021 1:47

Tot Ion: 41 Resp: 761977

Ion Ratio Lower Upper

41 100

42 69.2 55.4 83.0



#10

Heptane

Concen: 12.646 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL038023.D

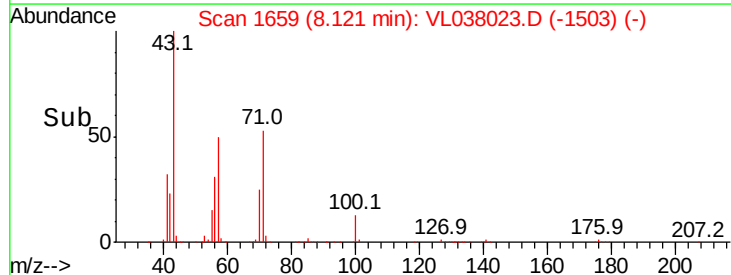
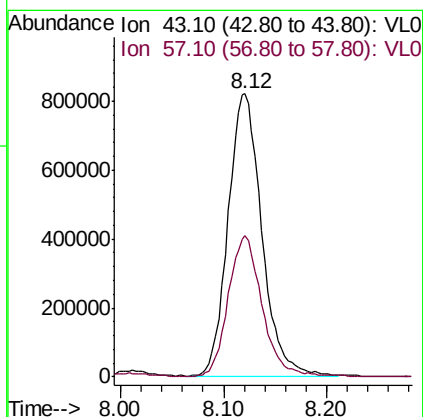
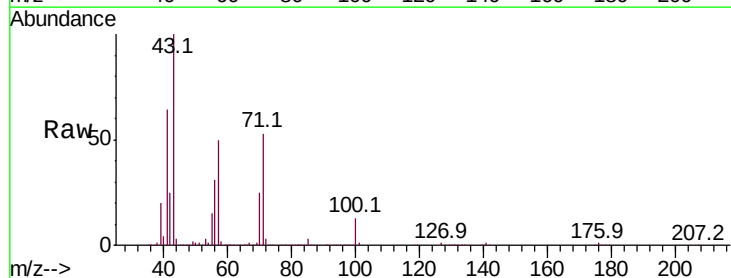
Acq: 16 Nov 2021 1:47

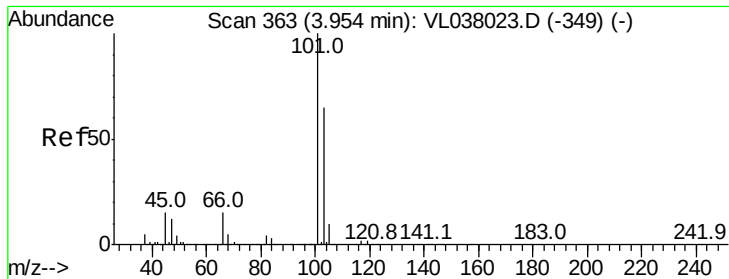
Tgt Ion: 43 Resp: 1864082

Ion Ratio Lower Upper

43 100

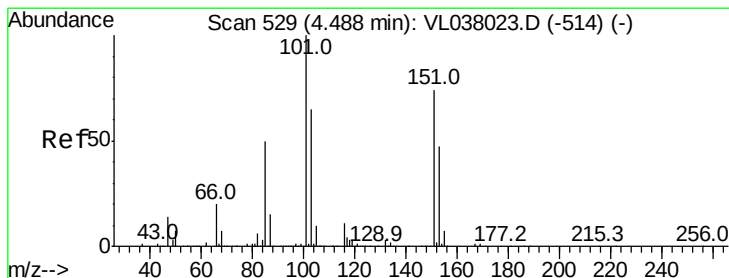
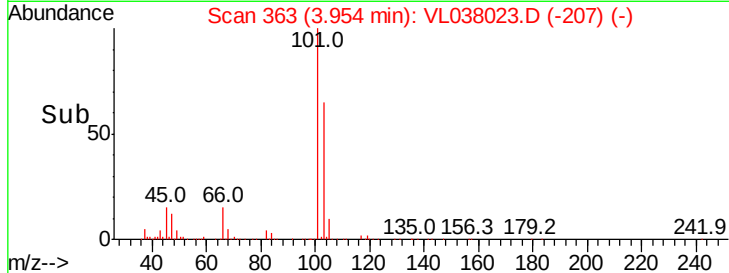
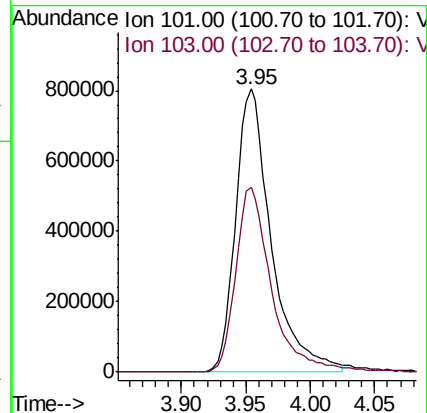
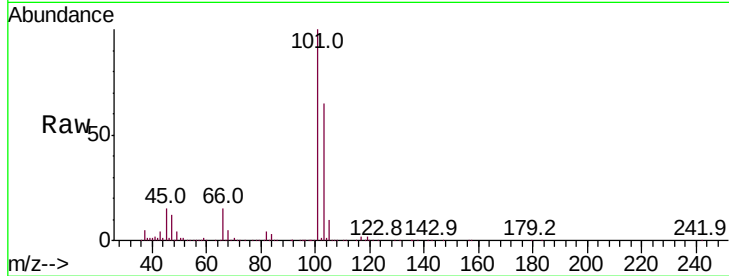
57 50.2 39.9 59.9





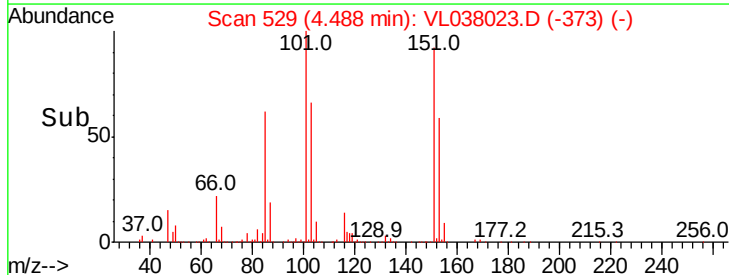
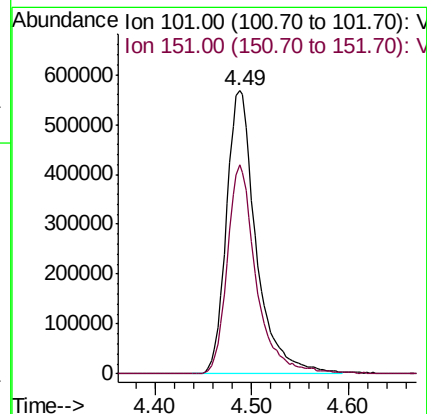
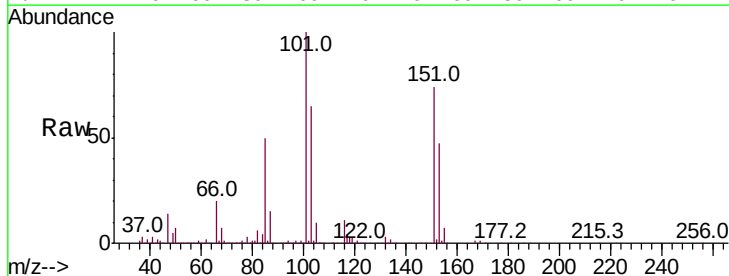
#11
 Trichlorofluoromethane
 Concen: 11.733 ppbv
 RT: 3.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

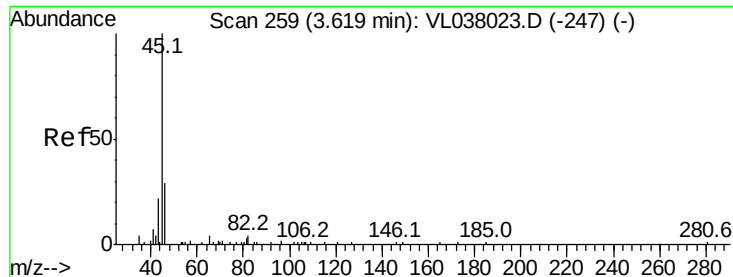
Tot Ion:101 Resp: 1547183
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.805 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

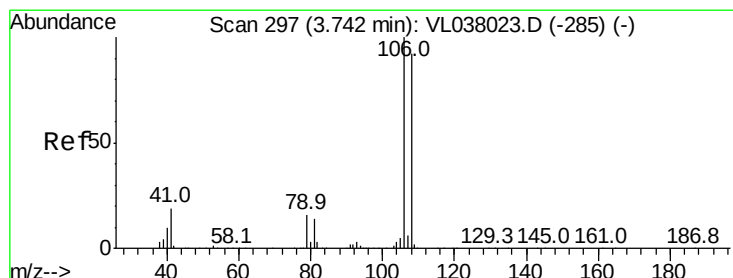
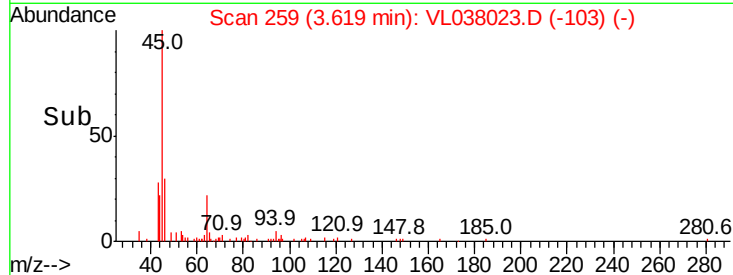
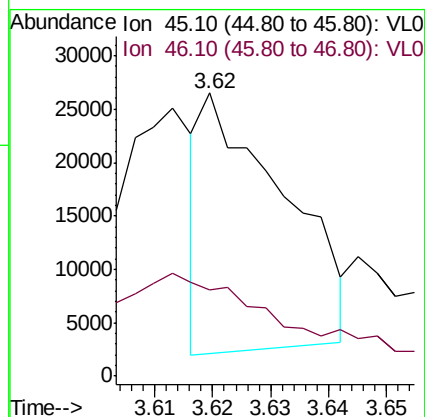
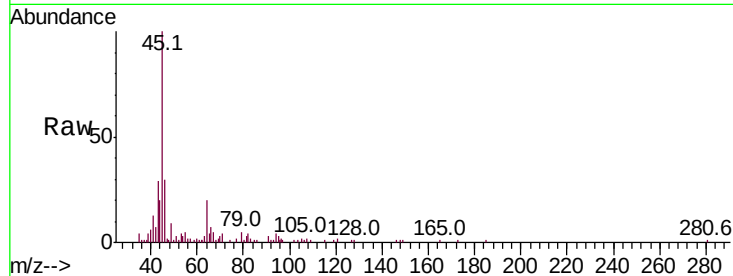
Tgt Ion:101 Resp: 1215499
 Ion Ratio Lower Upper
 101 100
 151 72.3 57.9 86.9





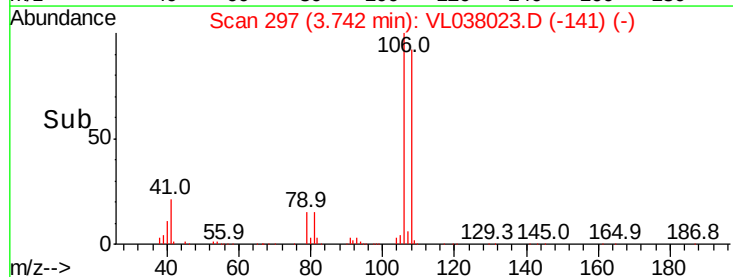
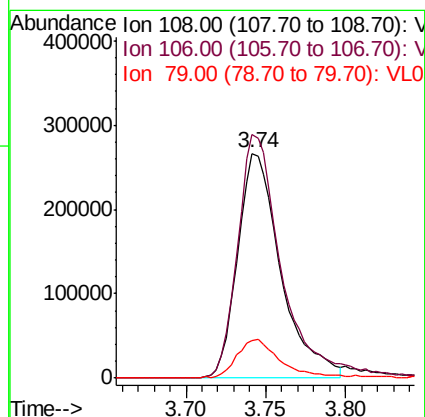
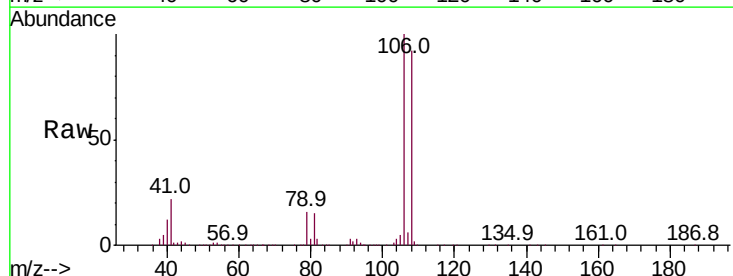
#13
 Ethanol
 Concen: 3.864 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

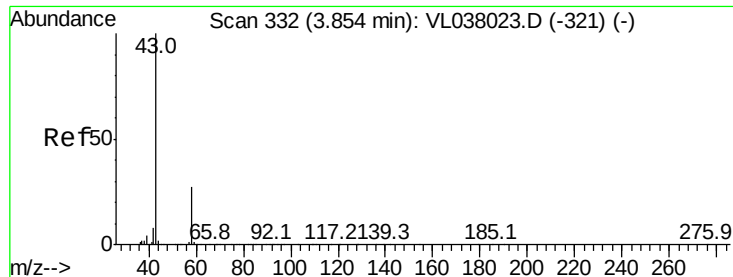
Tot Ion: 45 Resp: 24005
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.5 61.9#



#14
 Bromoethene
 Concen: 11.090 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 108 Resp: 490863
 Ion Ratio Lower Upper
 108 100
 106 113.0 90.4 135.6
 79 18.1 14.1 21.1





#15

Acetone

Concen: 10.908 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

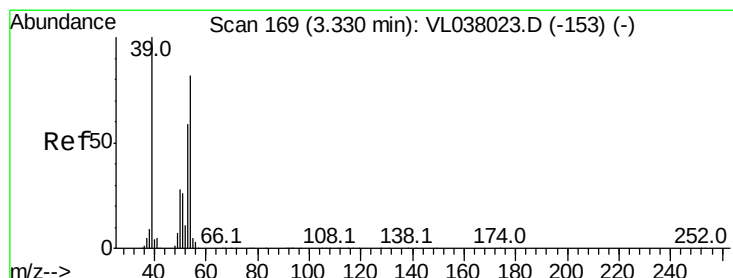
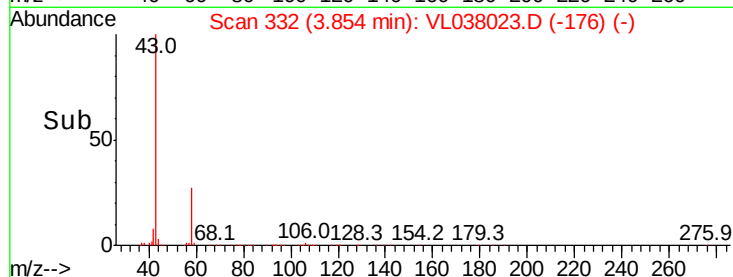
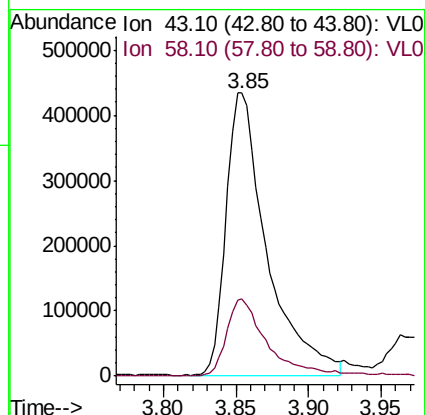
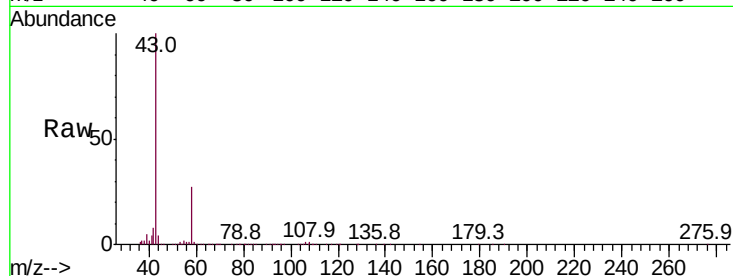
Acq: 16 Nov 2021 1:47

Tot Ion: 43 Resp: 845059

Ion Ratio Lower Upper

43 100

58 28.7 22.6 33.8



#16

1,3-Butadiene

Concen: 11.597 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038023.D

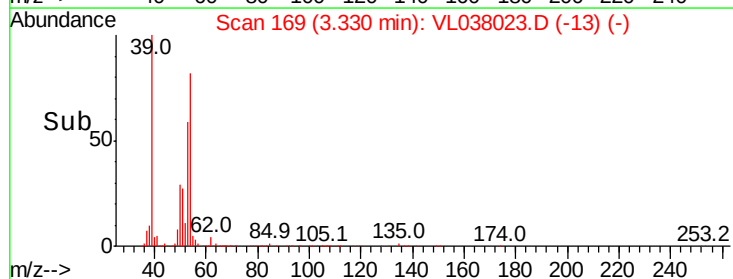
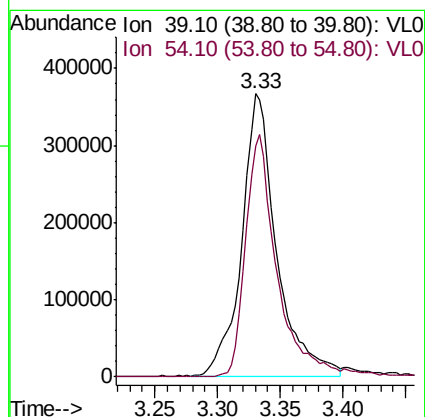
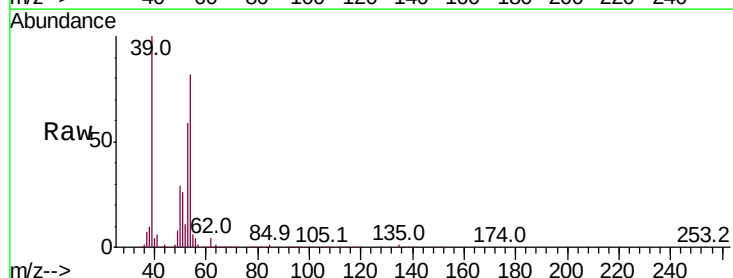
Acq: 16 Nov 2021 1:47

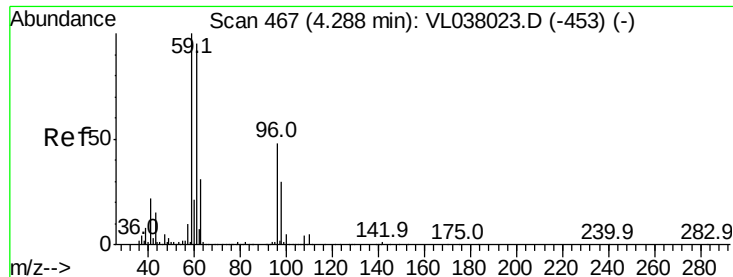
Tgt Ion: 39 Resp: 705257

Ion Ratio Lower Upper

39 100

54 79.6 63.8 95.8





#17

tert-Butyl alcohol

Concen: 14.866 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

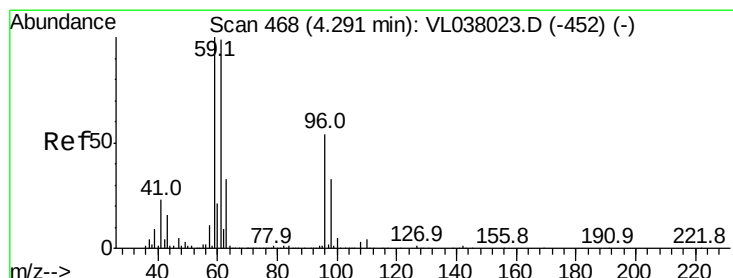
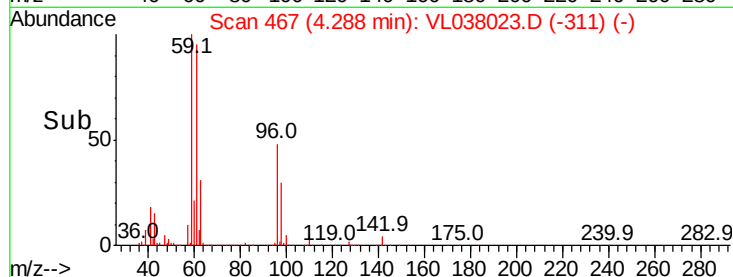
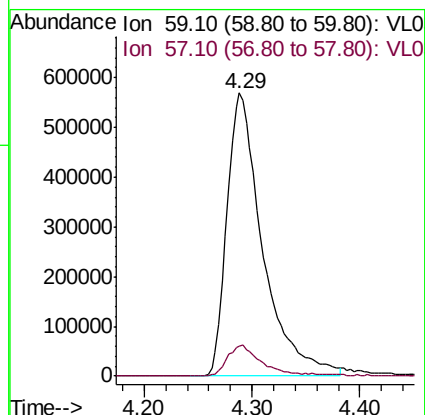
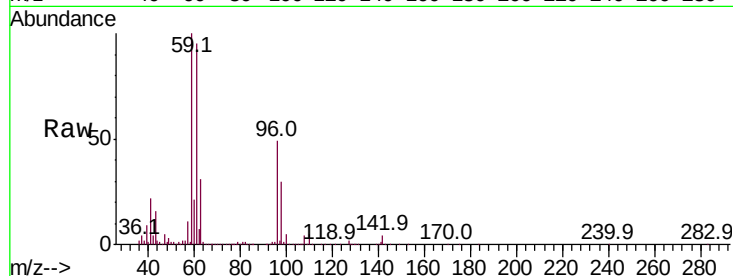
Acq: 16 Nov 2021 1:47

Tot Ion: 59 Resp: 1311541

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 11.758 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

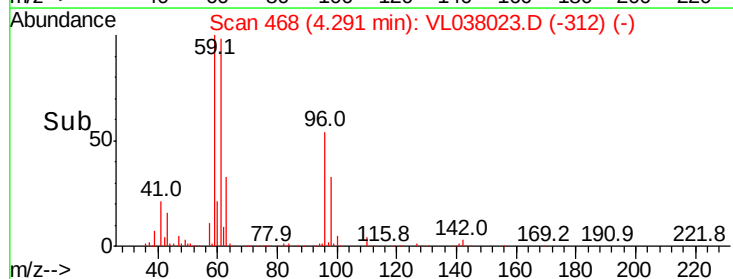
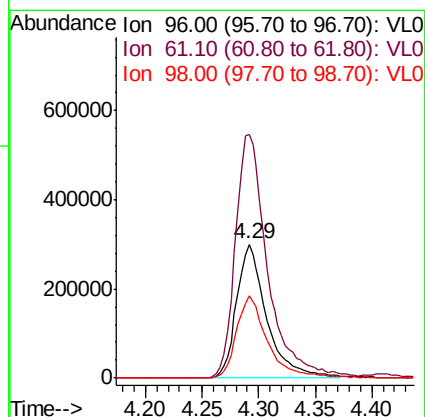
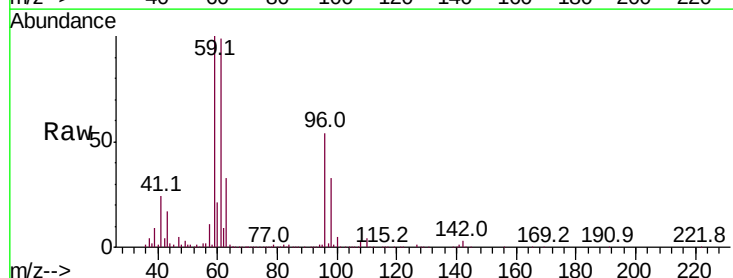
Tgt Ion: 96 Resp: 560101

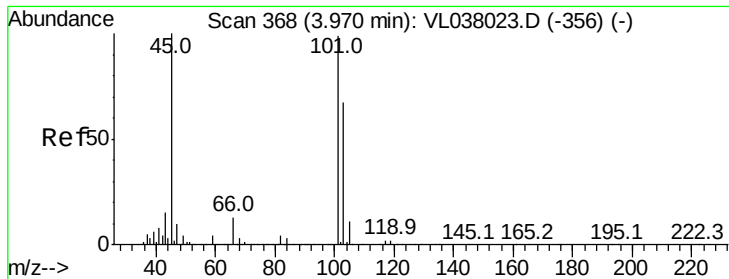
Ion Ratio Lower Upper

96 100

61 181.5 145.2 217.8

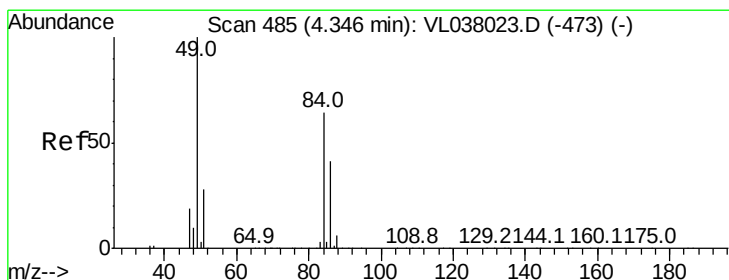
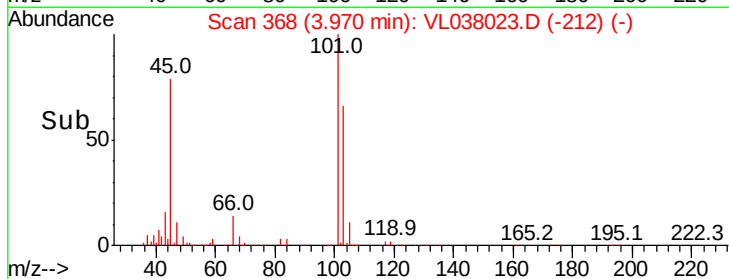
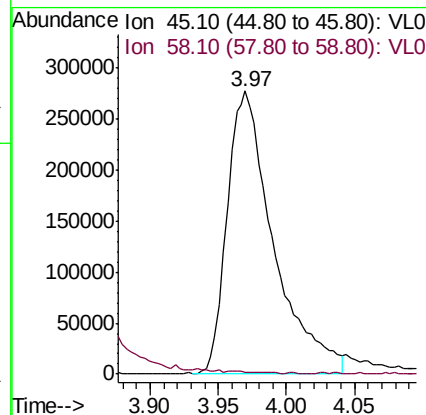
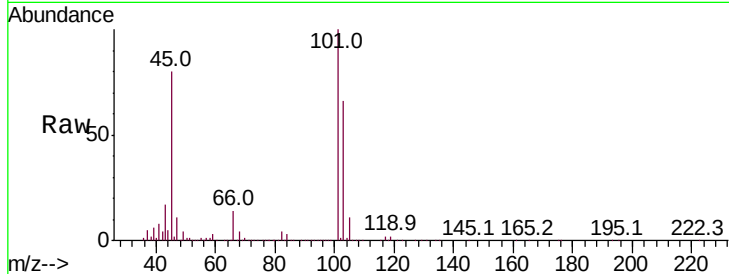
98 61.0 48.8 73.2





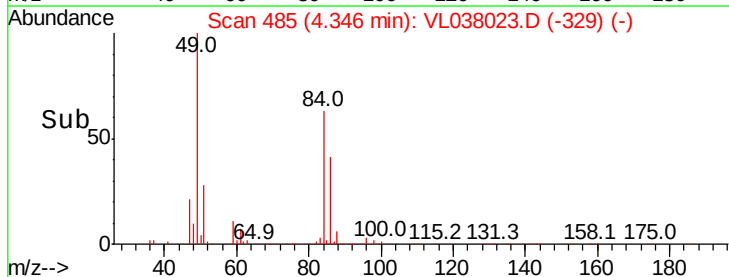
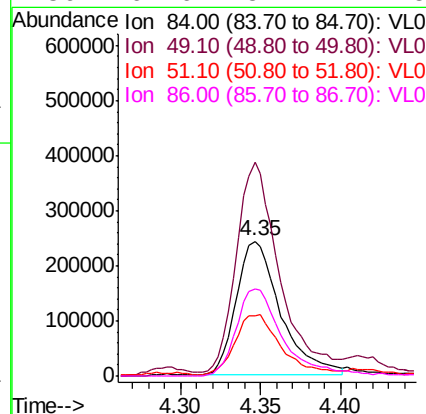
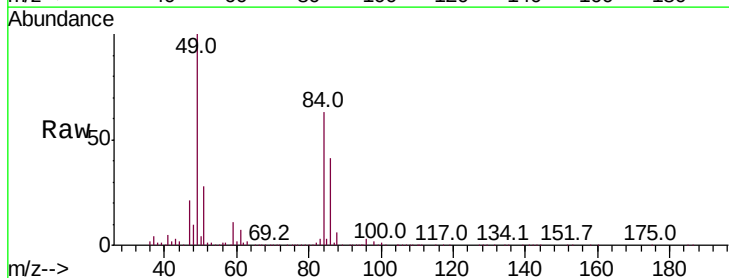
#19
Isopropyl Alcohol
Concen: 12.792 ppbv
RT: 3.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

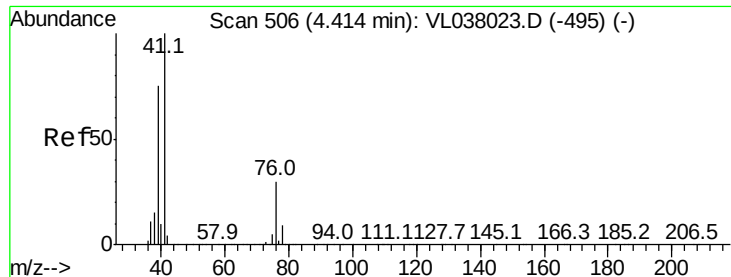
Tot Ion: 45 Resp: 651532
Ion Ratio Lower Upper
45 100
58 37.2 29.4 44.0



#20
Methylene Chloride
Concen: 10.879 ppbv
RT: 4.35 min Scan# 485
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

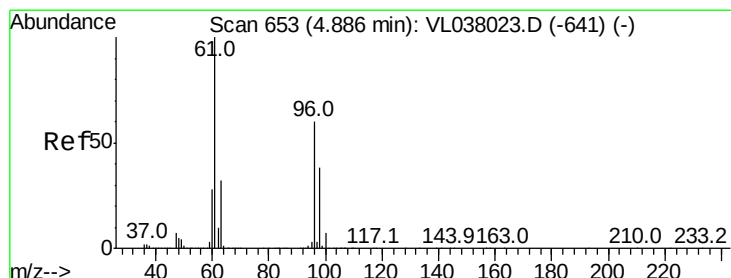
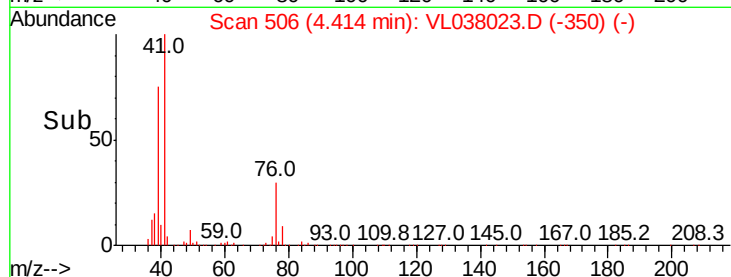
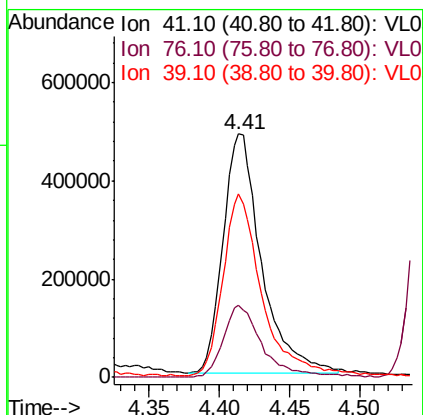
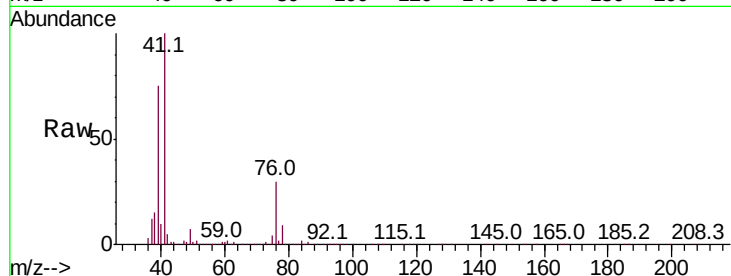
Tgt Ion: 84 Resp: 462395
Ion Ratio Lower Upper
84 100
49 156.4 125.1 187.7
51 44.1 35.3 52.9
86 64.6 51.7 77.5





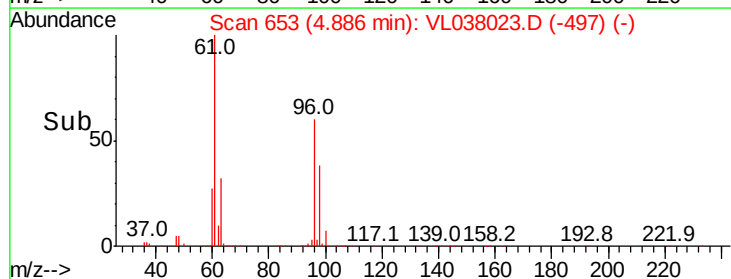
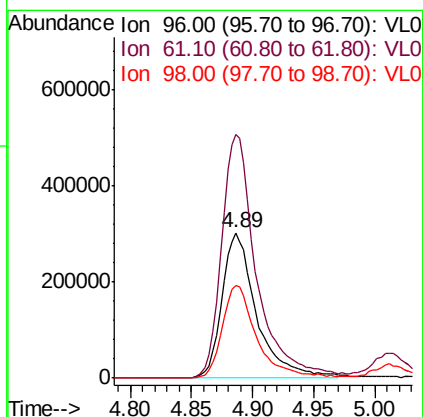
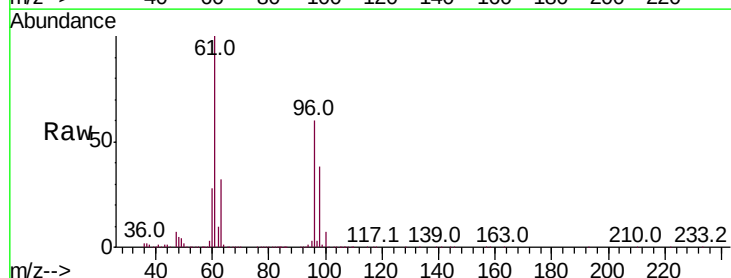
#21
 Allvl Chloride
 Concen: 12.715 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

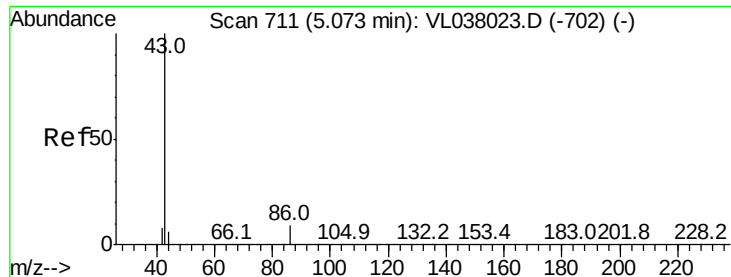
Tot Ion: 41 Resp: 931719
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.6 37.0
 39 75.7 60.6 90.8



#22
 trans-1,2-Dichloroethene
 Concen: 12.489 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

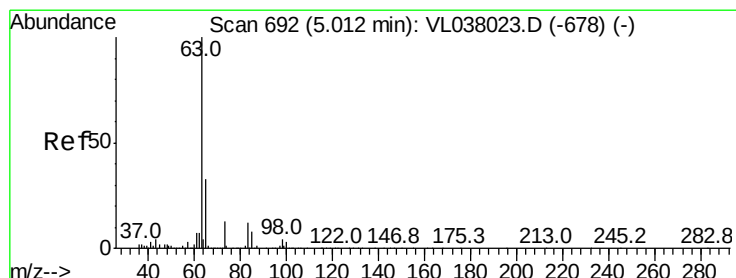
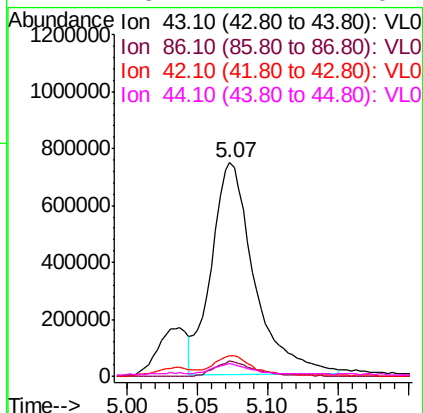
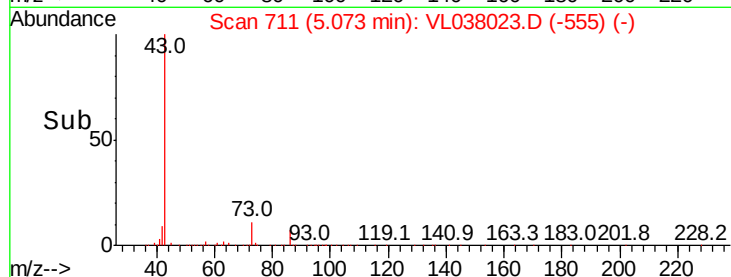
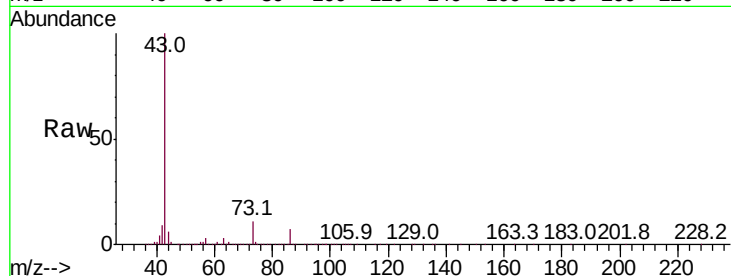
Tgt Ion: 96 Resp: 598659
 Ion Ratio Lower Upper
 96 100
 61 167.8 134.2 201.4
 98 64.1 51.3 76.9





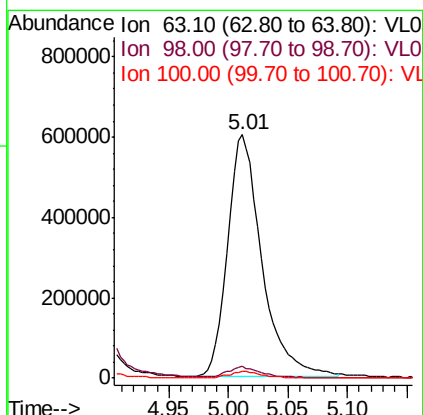
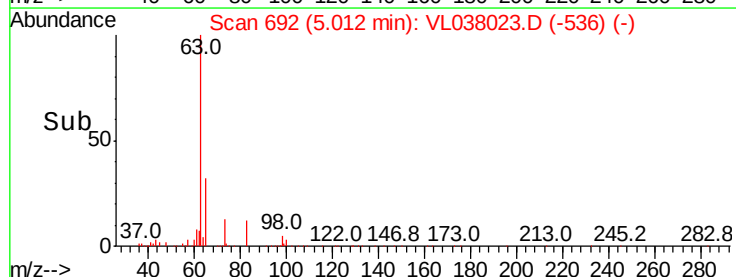
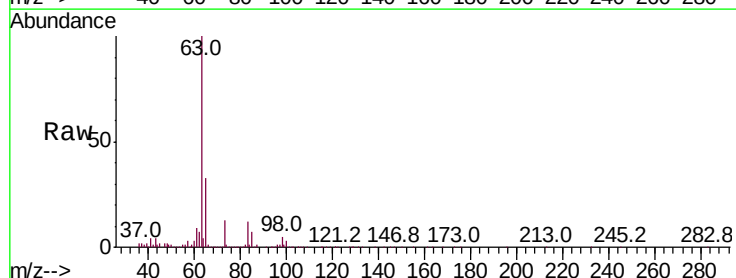
#23
 Vinyl Acetate
 Concen: 12.972 ppbv
 RT: 5.07
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

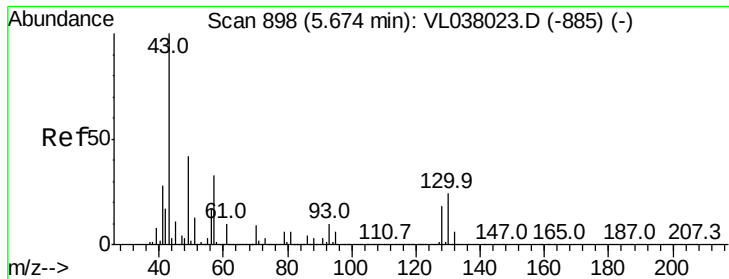
Tot Ion:	43	Resp:	1570944
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	9.3	7.4	11.2
44	5.1	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 12.274 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

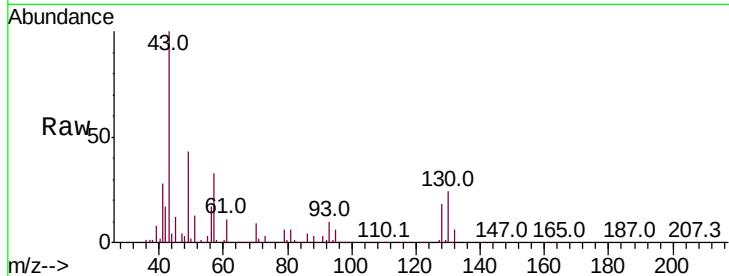
Tgt Ion:	63	Resp:	1206224
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.9	1.5	4.4





#25
Ethyl Acetate
Concen: 9.949 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

Tot Ion:	43	Resp:	2183365
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	10.4	7.7	11.5
70	7.1	5.5	8.3



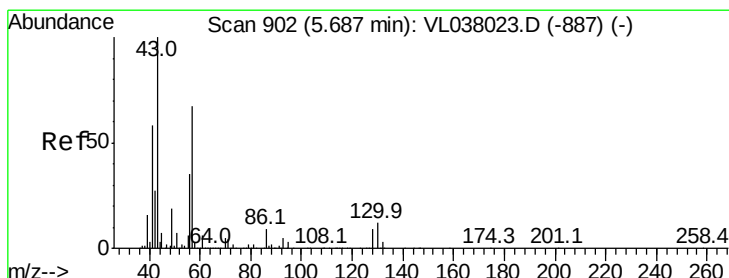
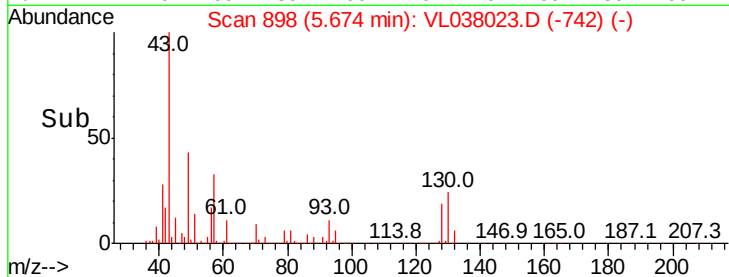
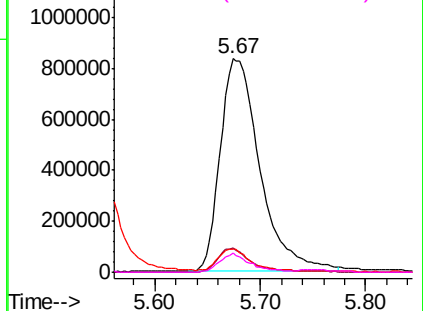
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

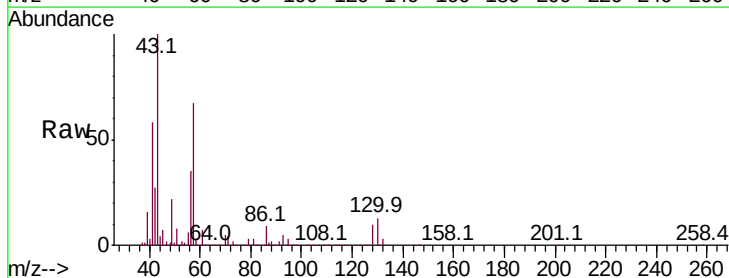
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.129 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:	57	Resp:	1058855
Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.8	106.2
43	211.7	169.4	254.0
56	52.3	41.8	62.8



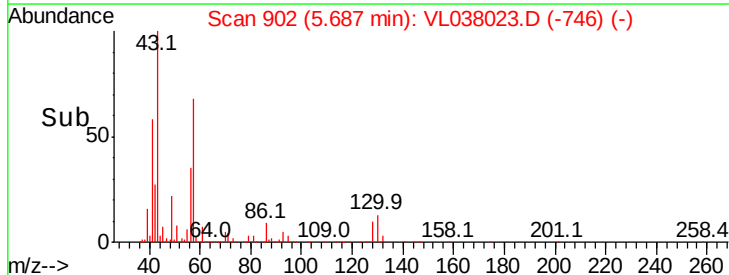
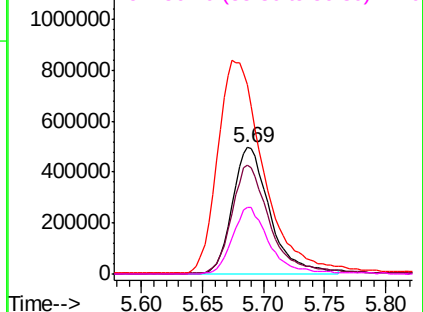
Abundance

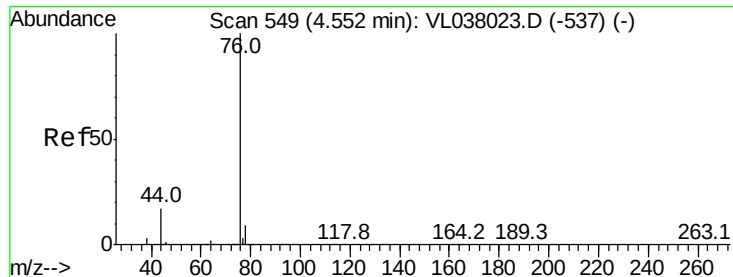
Ion 57.10 (56.80 to 57.80): VL0

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: 13.600 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

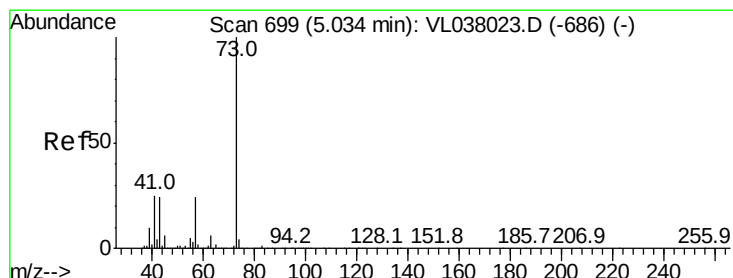
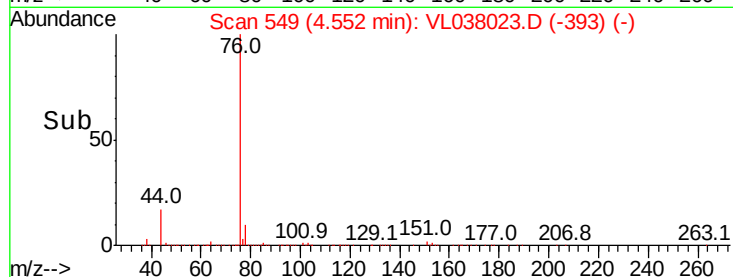
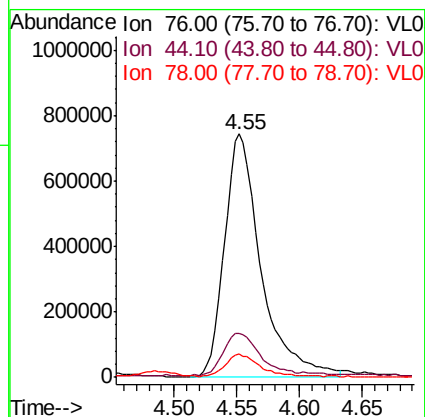
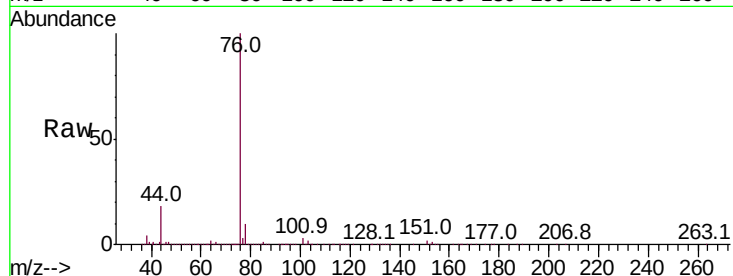
Tot Ion: 76 Resp: 1504162

Ion Ratio Lower Upper

76 100

44 19.2 15.0 22.6

78 9.4 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 14.424 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL038023.D

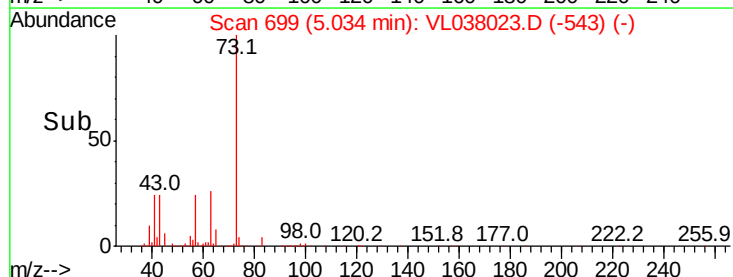
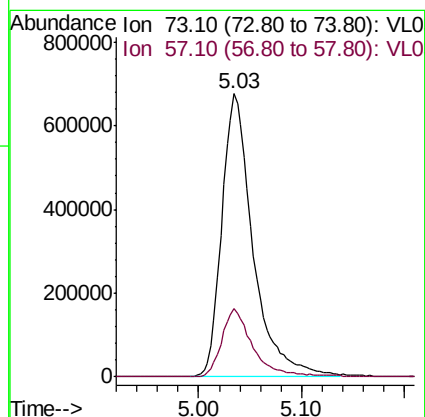
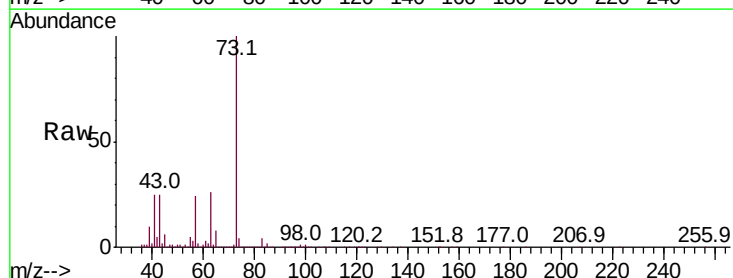
Acq: 16 Nov 2021 1:47

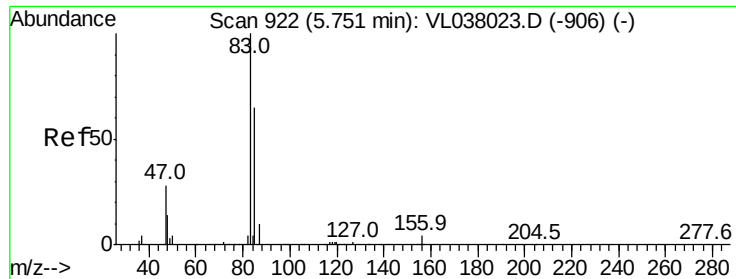
Tgt Ion: 73 Resp: 1424098

Ion Ratio Lower Upper

73 100

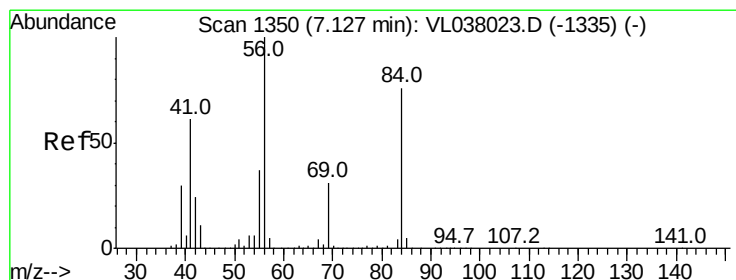
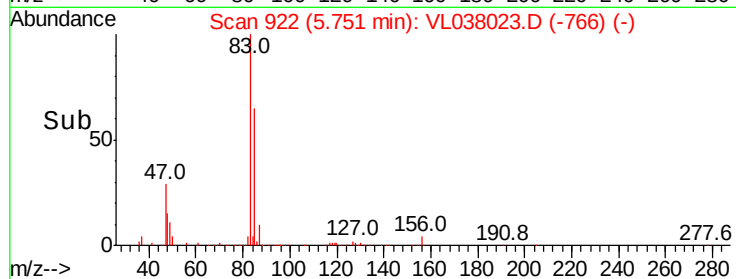
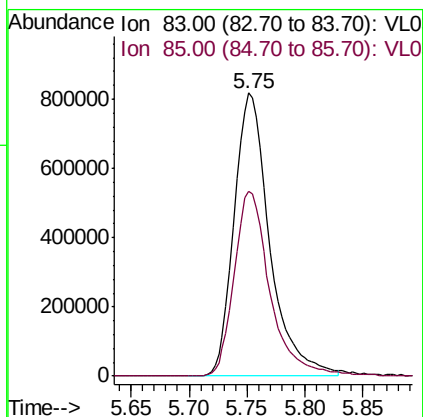
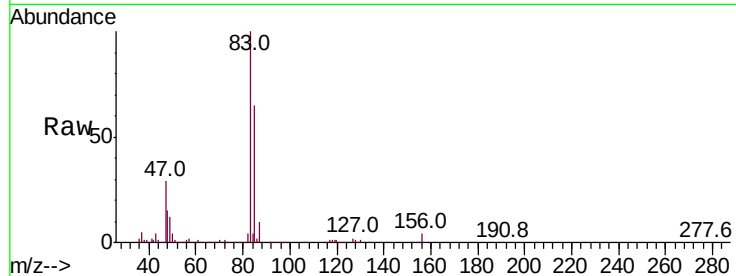
57 23.9 19.1 28.7





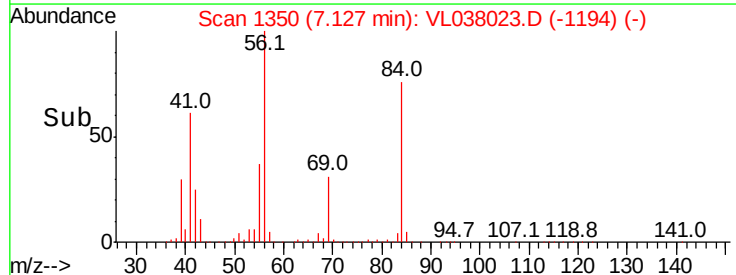
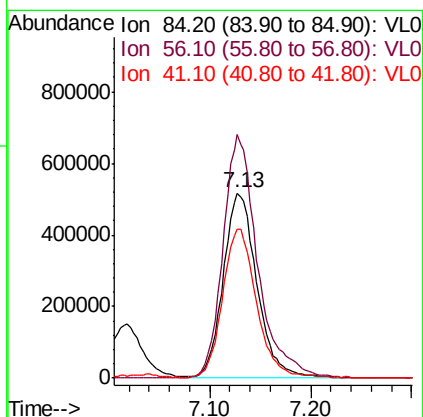
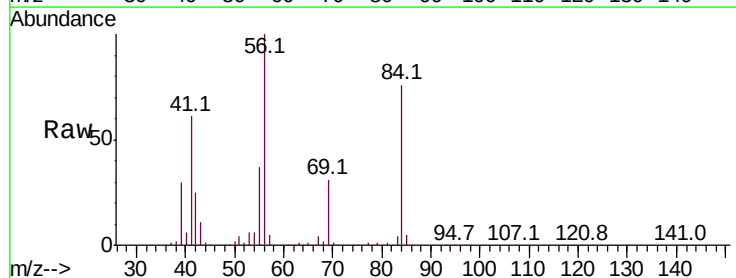
#29
Chloroform
Concen: 10.859 ppbv
RT: 5.75 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

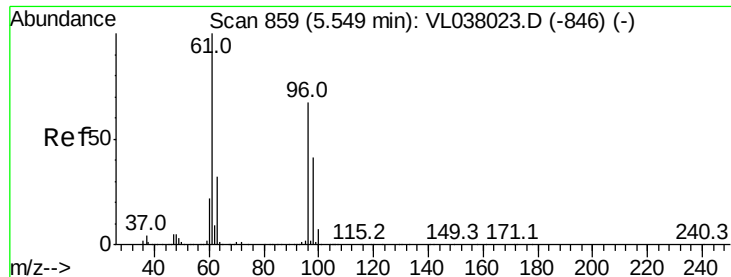
Tot Ion: 83 Resp: 1740083
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1



#30
Cyclohexane
Concen: 12.512 ppbv
RT: 7.13 min Scan# 1350
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 84 Resp: 1193031
Ion Ratio Lower Upper
84 100
56 136.9 109.4 164.2
41 81.4 65.8 98.6





#31

cis-1,2-Dichloroethene

Concen: 9.873 ppbv

RT: 5.55

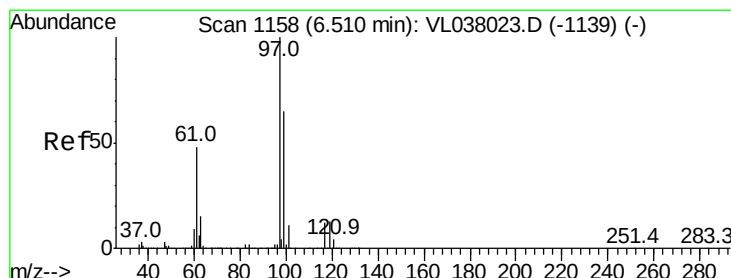
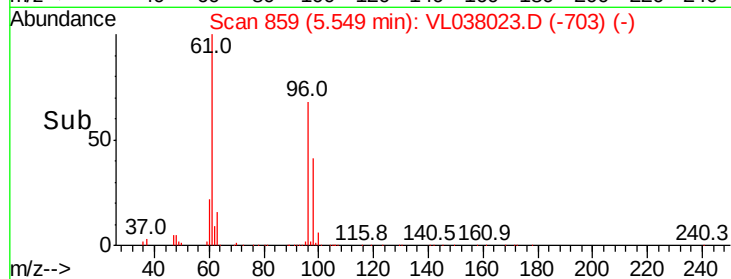
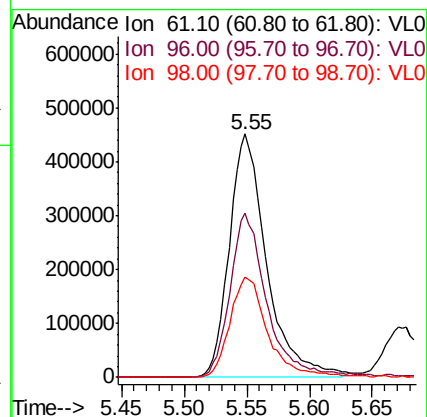
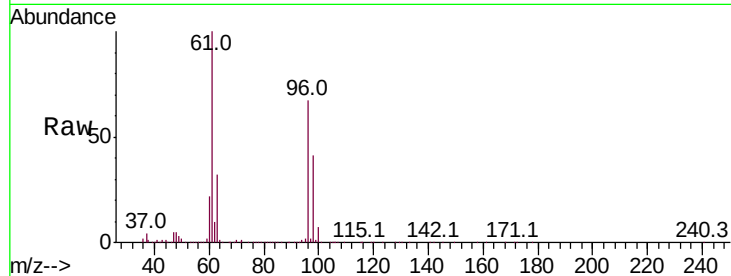
Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion: 61 Resp: 927153

Ion	Ratio	Lower	Upper
61	100		
96	67.4	53.9	80.9
98	41.0	32.8	49.2



#32

1,1,1-Trichloroethane

Concen: 12.349 ppbv

RT: 6.51 min Scan# 1158

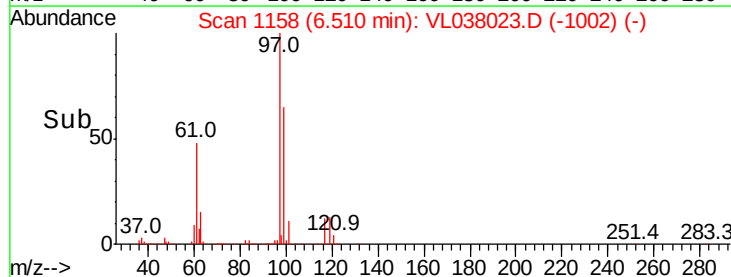
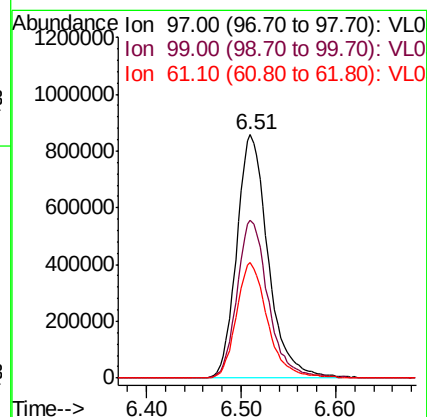
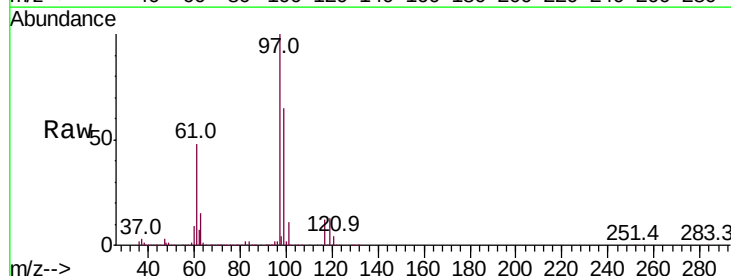
Delta R.T. 0.00 min

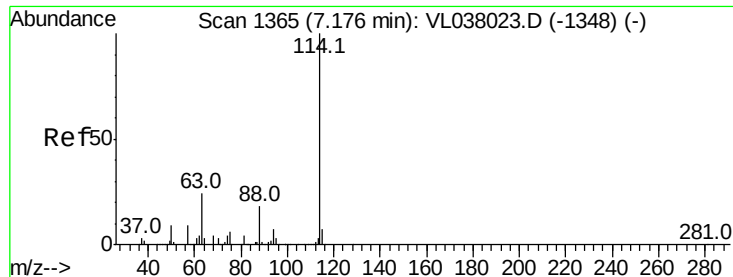
Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

Tgt Ion: 97 Resp: 1976814

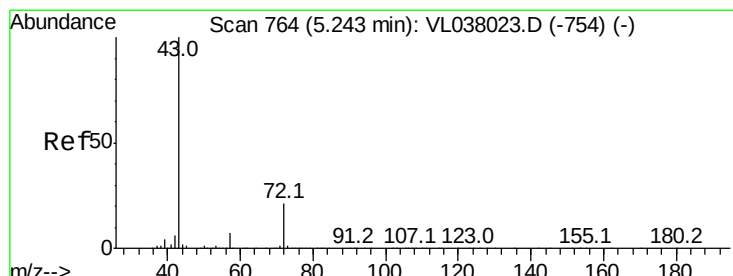
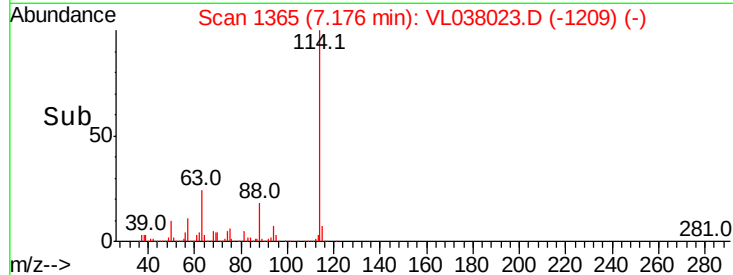
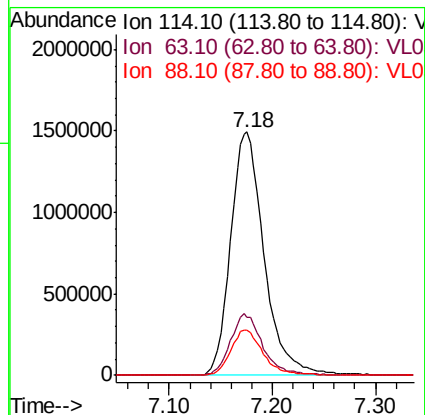
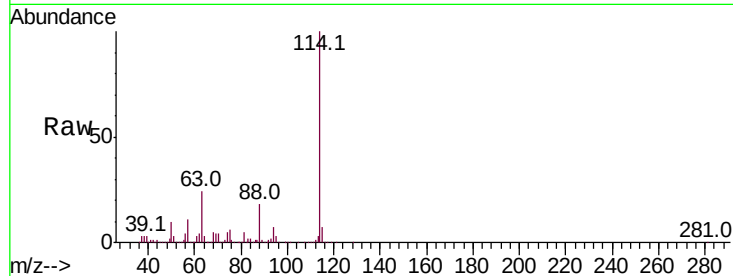
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	47.1	37.9	56.9





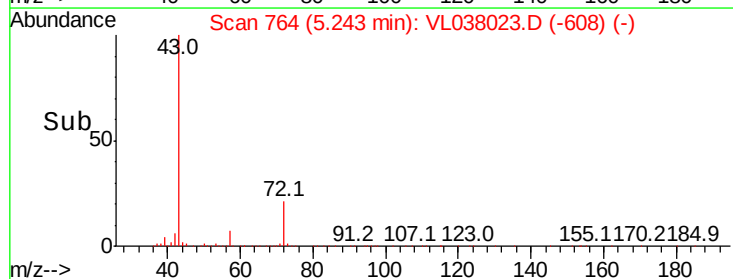
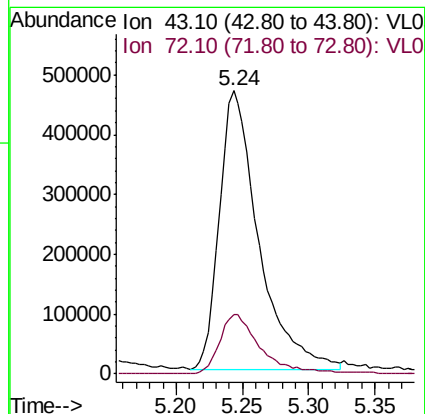
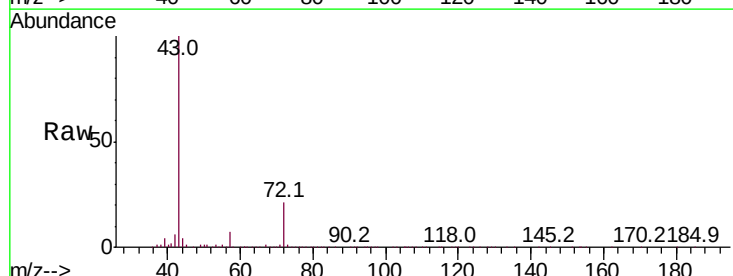
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

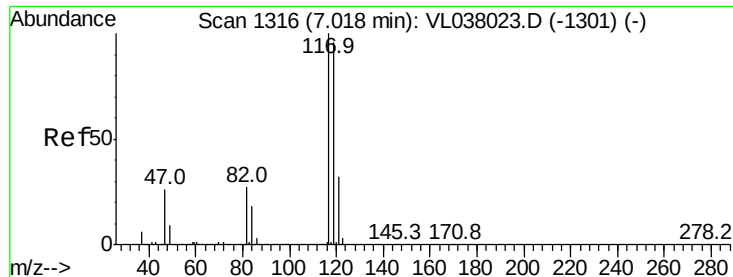
Tot Ion:114 Resp: 3372727
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.8 29.6
 88 18.2 14.6 21.8



#34
 2-Butanone
 Concen: 7.930 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

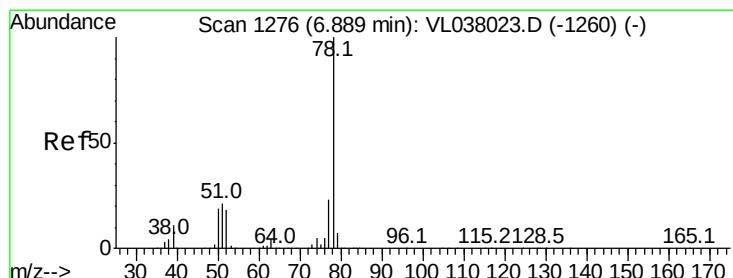
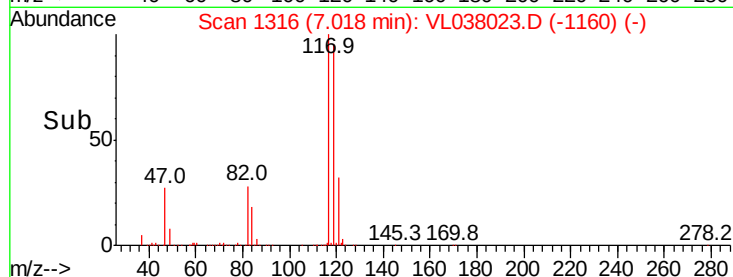
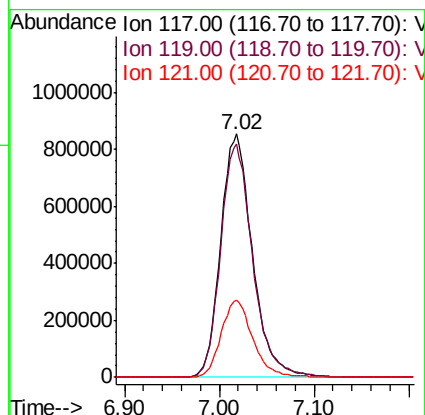
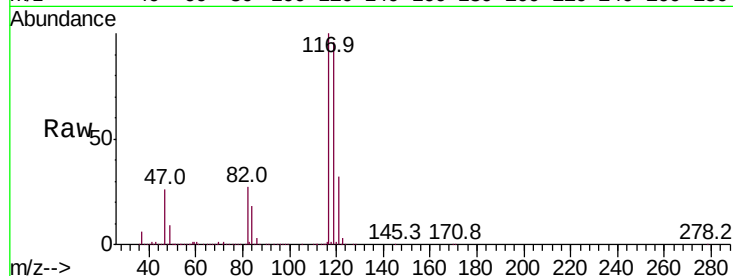
Tgt Ion: 43 Resp: 960479
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.2 27.4





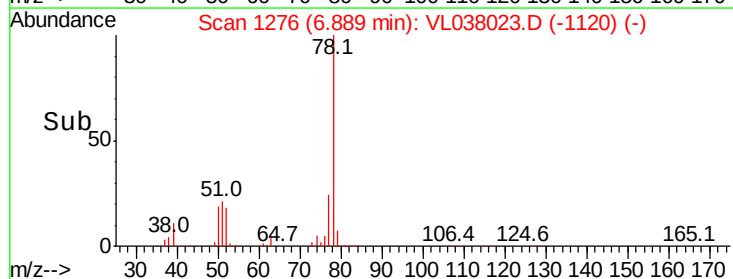
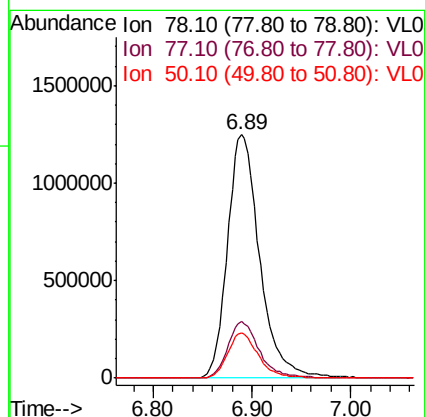
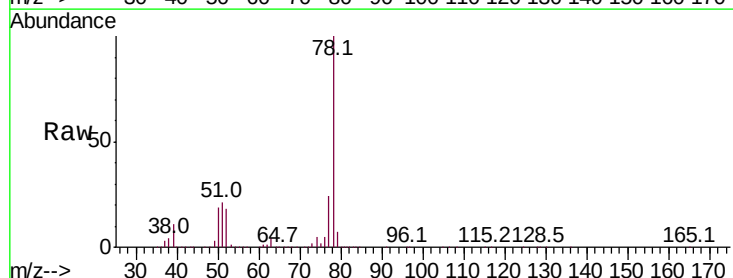
#35
Carbon Tetrachloride
Concen: 9.613 ppbv
RT: 7.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

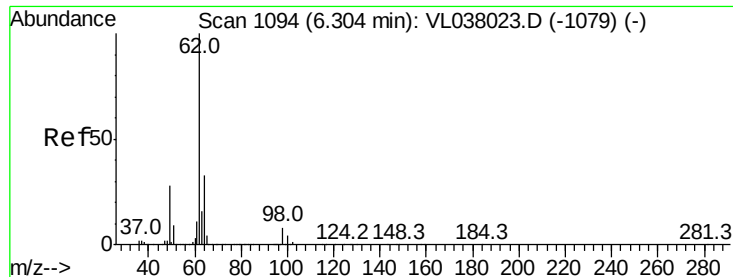
Tot Ion:117 Resp: 1986354
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 31.6 25.3 37.9



#36
Benzene
Concen: 10.218 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

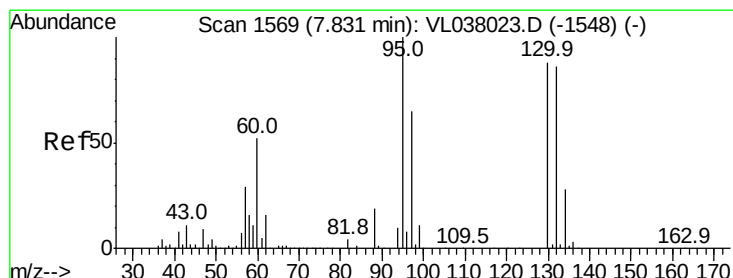
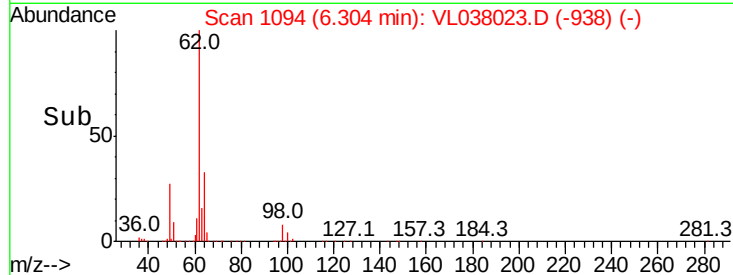
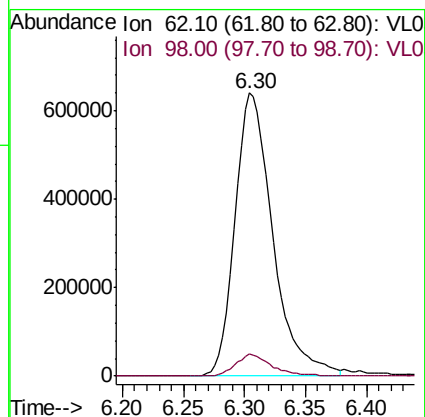
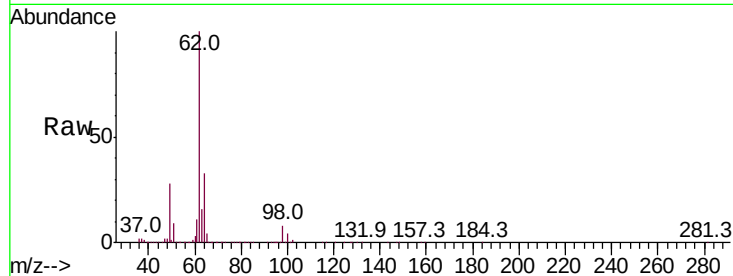
Tgt Ion: 78 Resp: 2845756
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
50 18.6 14.9 22.3





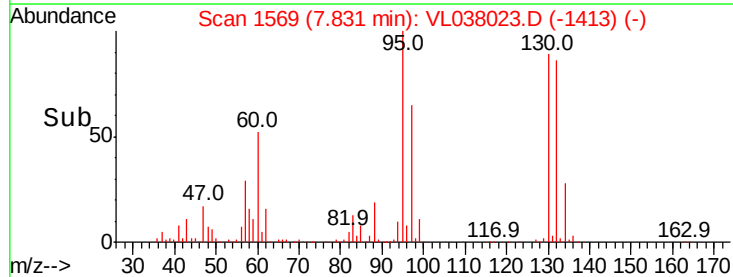
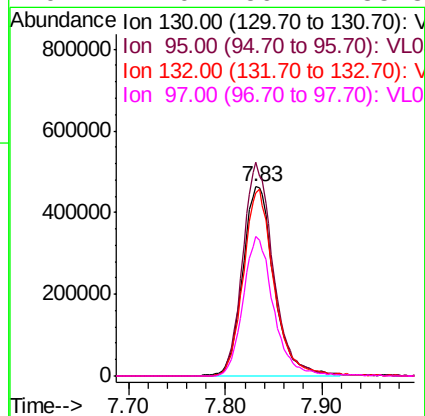
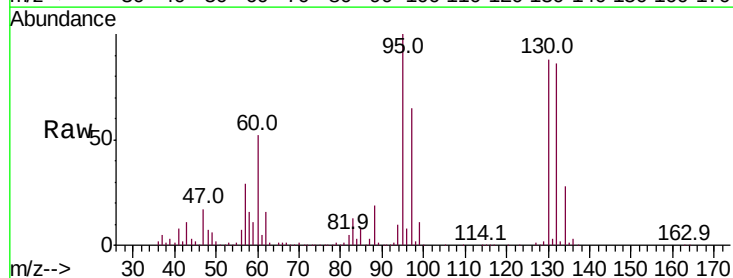
#37
 1,2-Dichloroethane
 Concen: 10.362 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

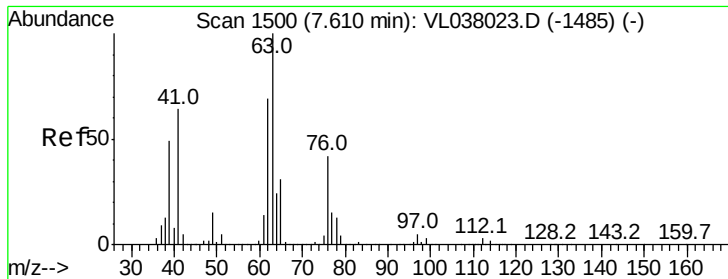
Tot Ion: 62 Resp: 1378485
 Ion Ratio Lower Upper
 62 100
 98 7.5 5.9 8.9



#38
 Trichloroethene
 Concen: 9.184 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 130 Resp: 1047323
 Ion Ratio Lower Upper
 130 100
 95 113.1 90.5 135.7
 132 96.7 77.4 116.0
 97 74.0 59.2 88.8





#39

1,2-Dichloropropane

Concen: 10.669 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47

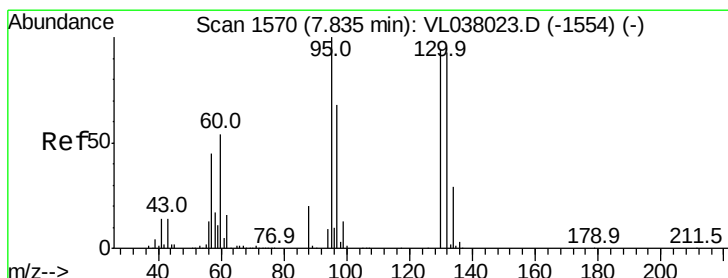
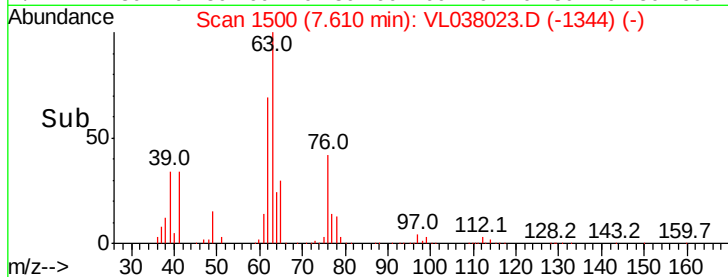
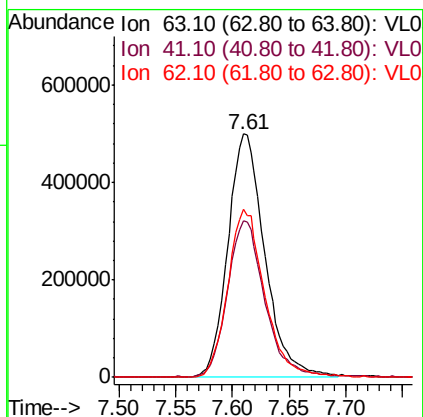
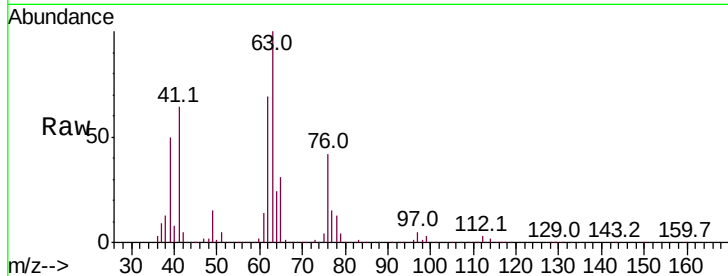
Tot Ion: 63 Resp: 1131951

Ion Ratio Lower Upper

63 100

41 63.9 51.1 76.7

62 69.0 55.2 82.8



#40

1,4-Dioxane

Concen: 9.382 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

Tgt Ion: 88 Resp: 256063

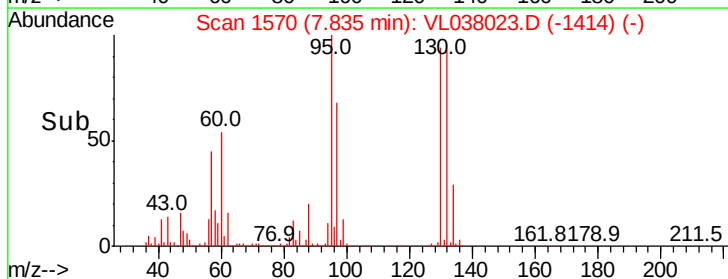
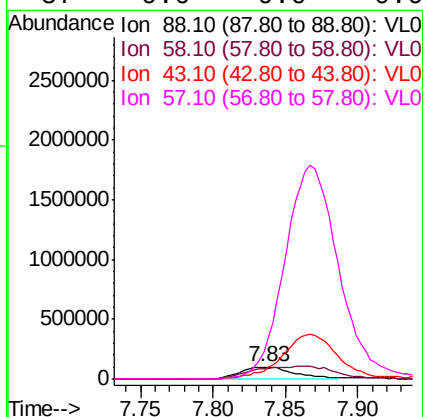
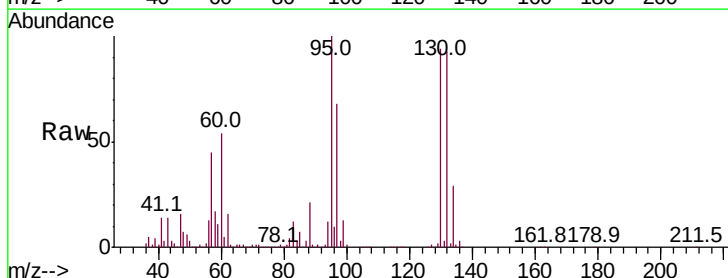
Ion Ratio Lower Upper

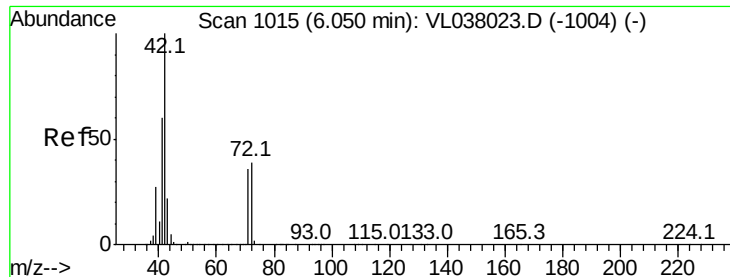
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.402 ppbv

RT: 6.05

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 1:47

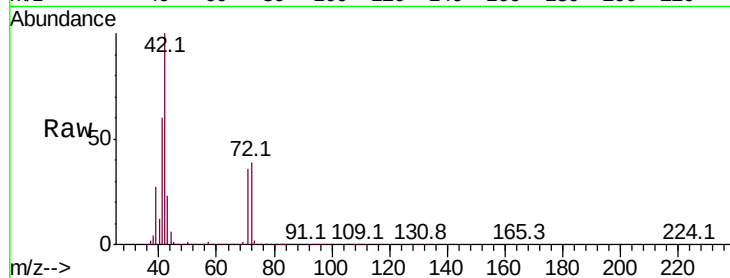
Tot Ion: 42 Resp: 725422

Ion Ratio Lower Upper

42 100

72 39.1 31.3 46.9

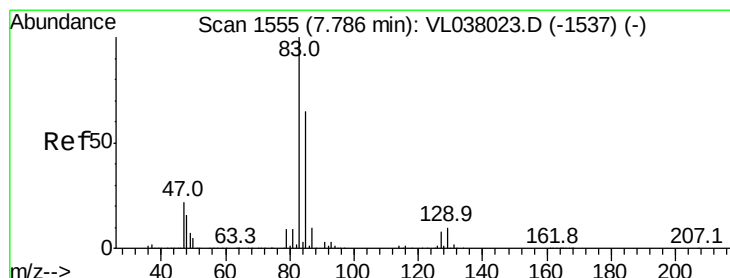
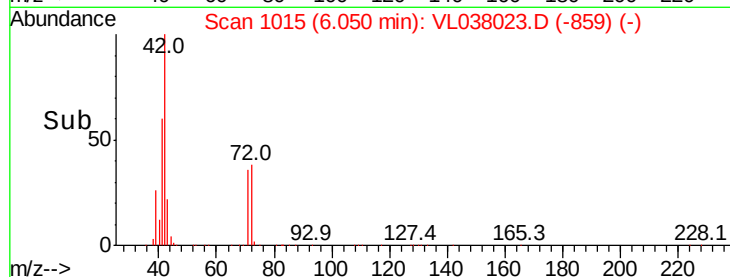
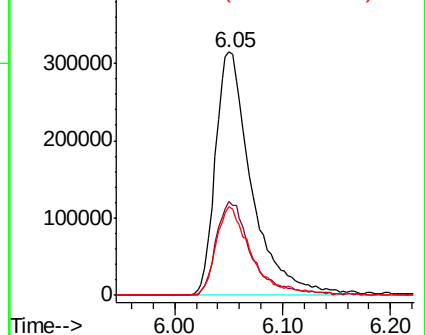
71 37.1 29.7 44.5



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: 10.624 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

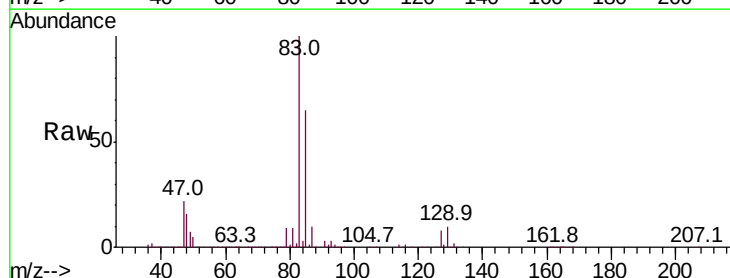
Tgt Ion: 83 Resp: 2149232

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4

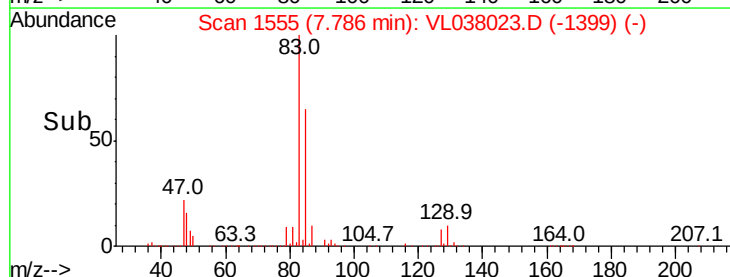
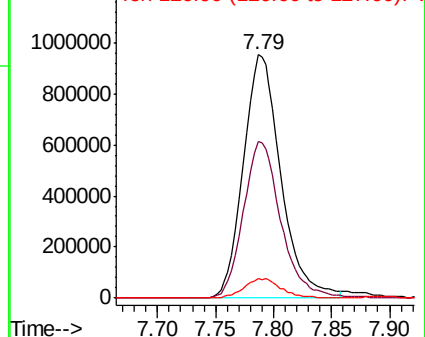
127 8.3 6.6 10.0

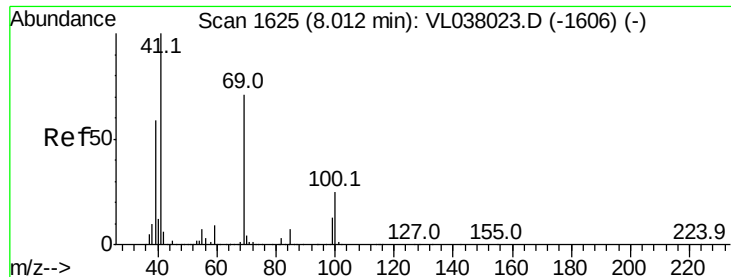


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

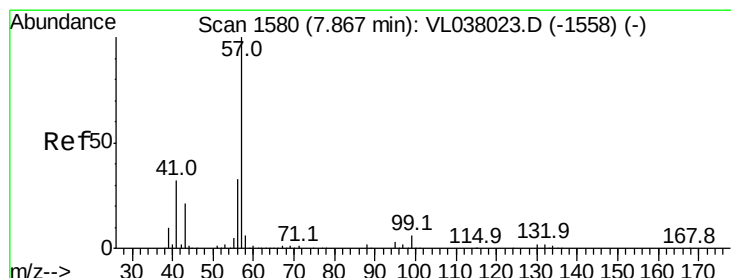
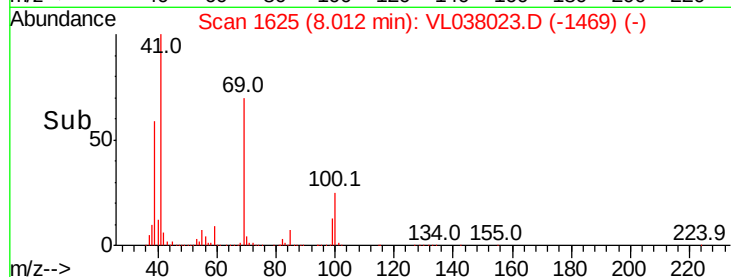
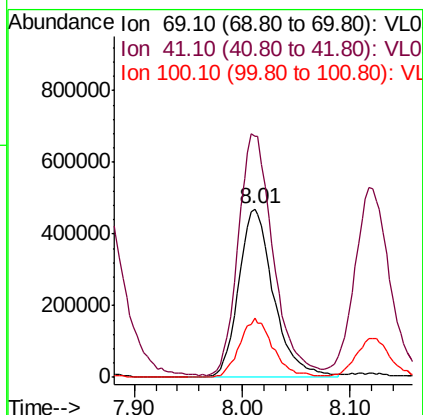
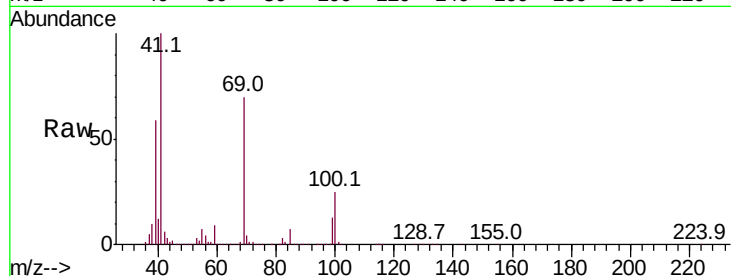




#43
Methvl Methacrylate
Concen: 11.471 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

Tot Ion: 69 Resp: 1060537

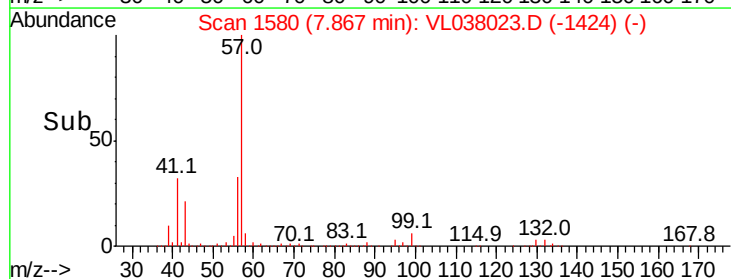
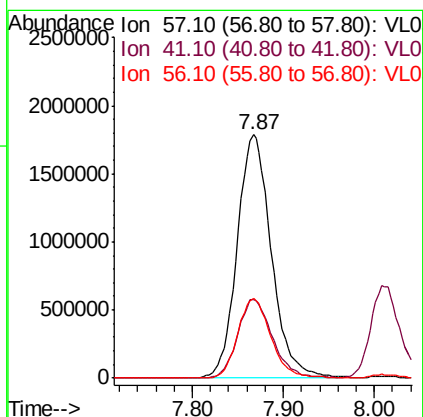
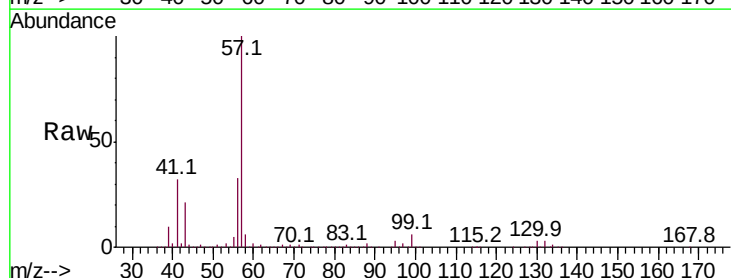
Ion	Ratio	Lower	Upper
69	100		
41	145.7	116.1	174.1
100	33.8	27.1	40.7

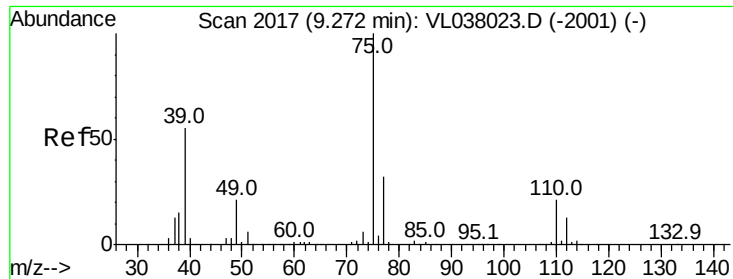


#44
2,2,4-Trimethylpentane
Concen: 9.874 ppbv
RT: 7.87 min Scan# 1580
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 57 Resp: 4655852

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.3	39.5
56	31.9	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 13.715 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

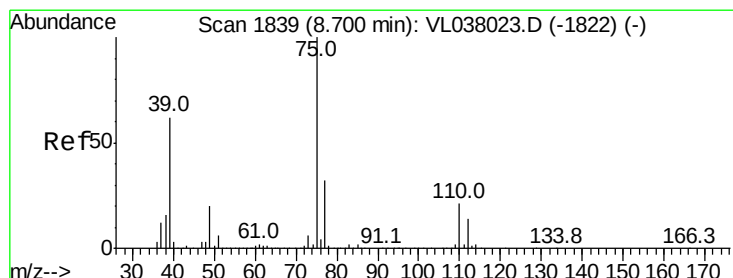
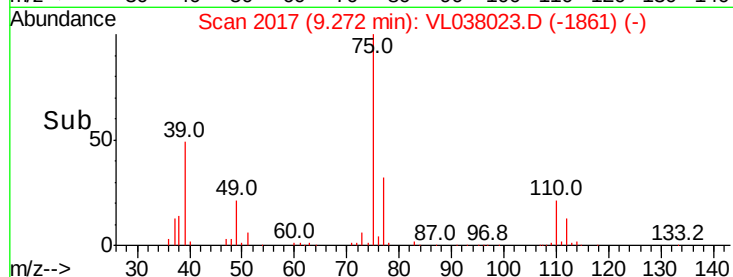
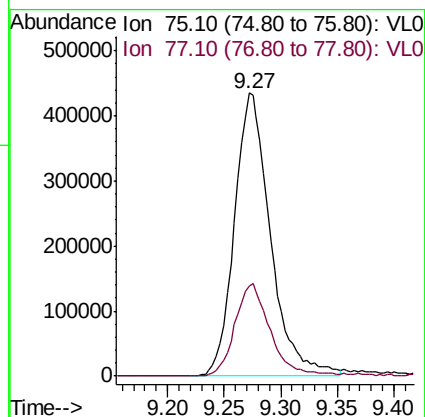
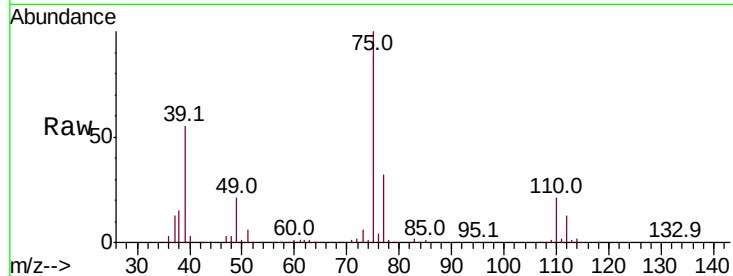
Acq: 16 Nov 2021 1:47

Tot Ion: 75 Resp: 962267

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 12.705 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

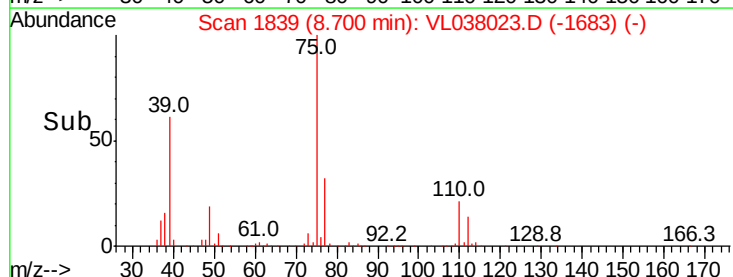
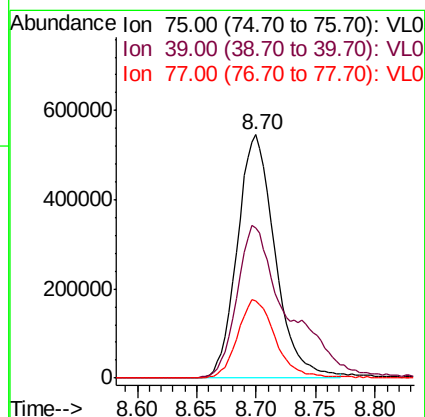
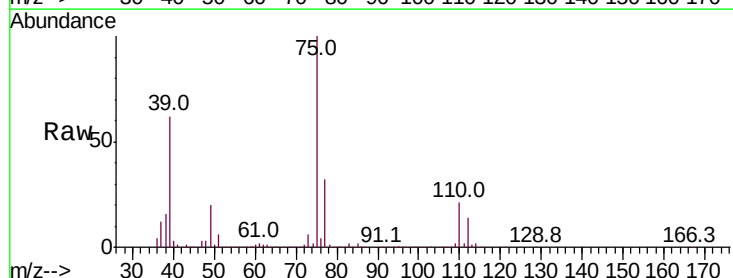
Tgt Ion: 75 Resp: 1199794

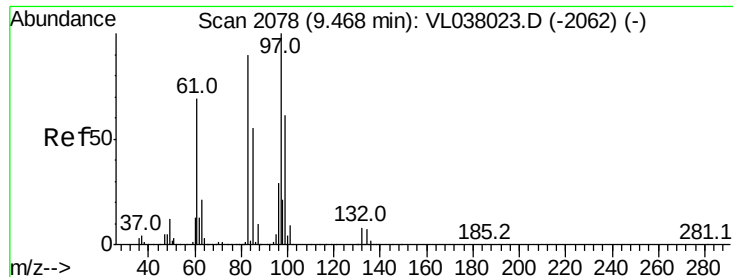
Ion Ratio Lower Upper

75 100

39 61.5 49.2 73.8

77 31.6 25.3 37.9

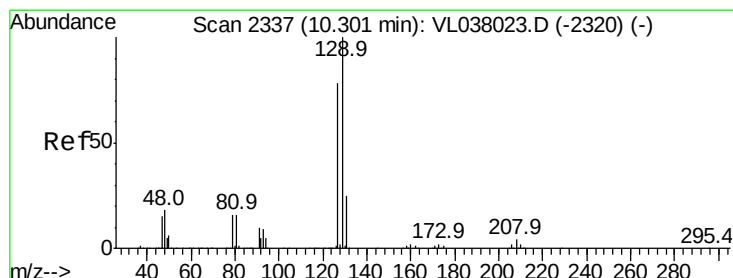
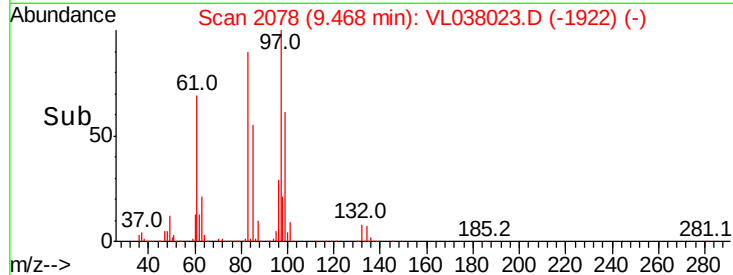
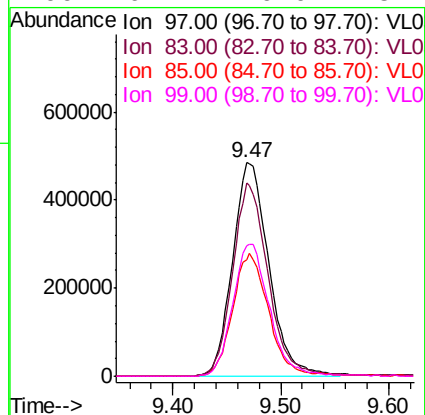
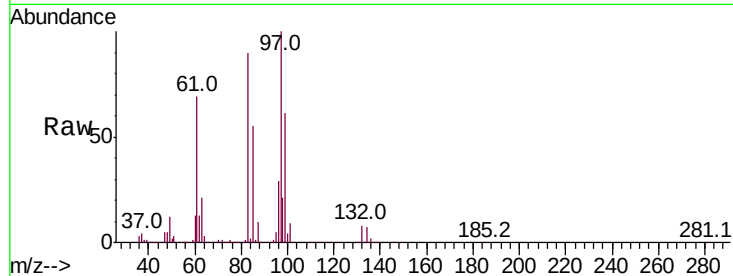




#47
 1,1,2-Trichloroethane
 Concen: 9.724 ppbv
 RT: 9.47
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

Tot Ion: 97 Resp: 1140319

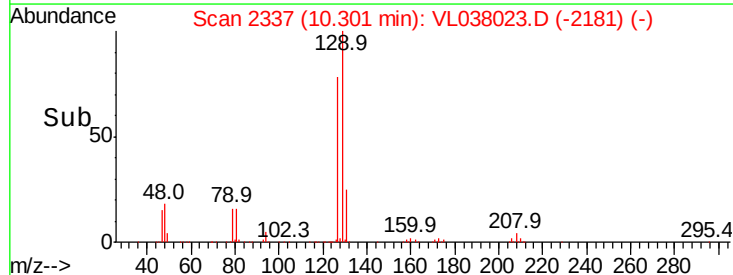
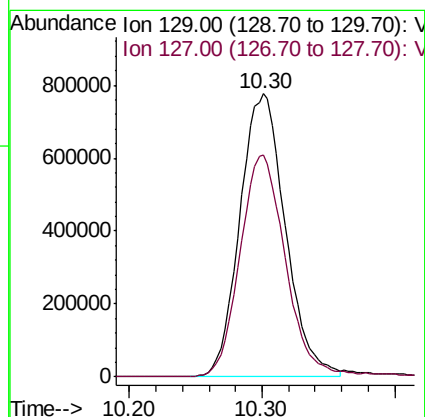
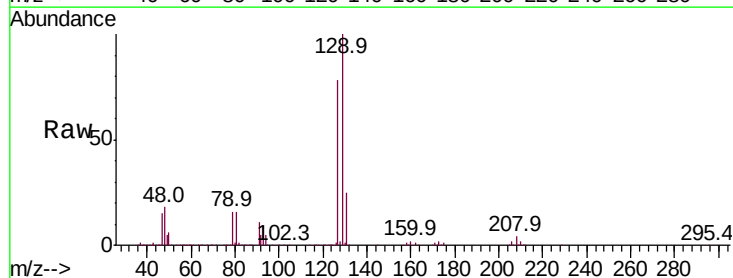
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.2	108.4
85	54.8	43.8	65.8
99	61.2	49.0	73.4

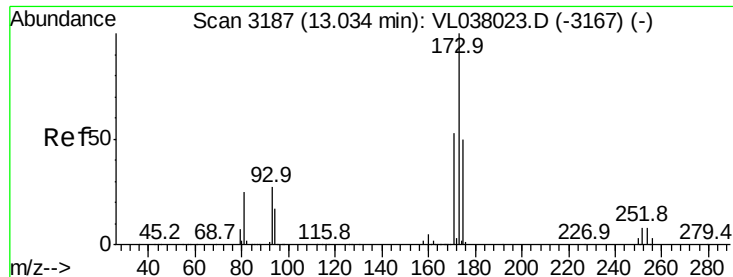


#48
 Dibromochloromethane
 Concen: 11.016 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 129 Resp: 1850830

Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.8	119.3





#49

Bromoform

Concen: 10.940 ppbv

RT: 13.03

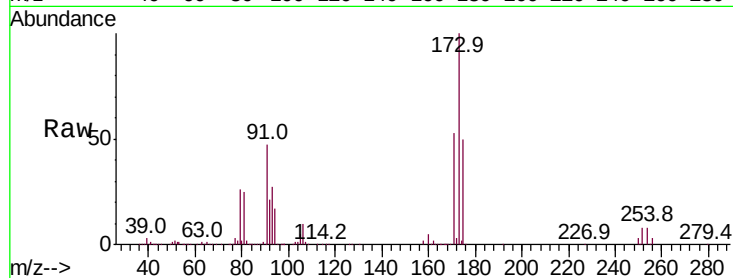
Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 1:47

Tot Ion:173 Resp: 1444129

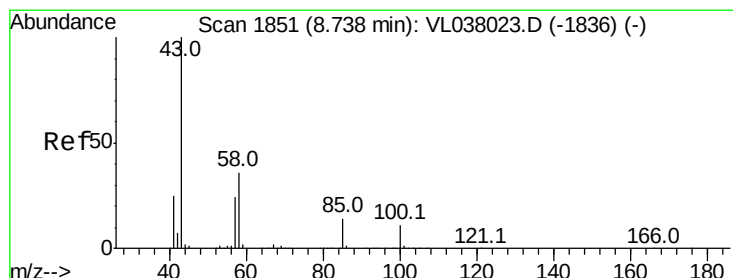
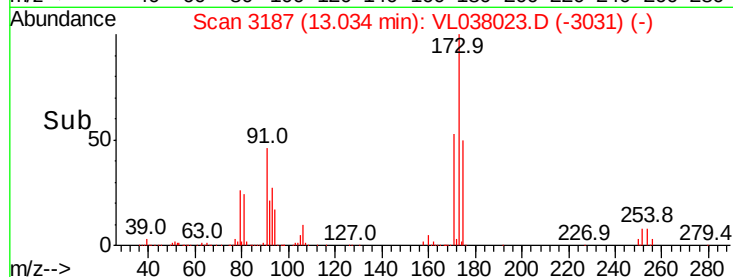
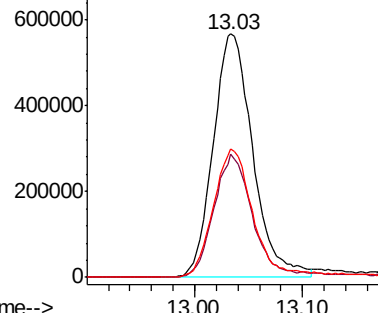
Ion	Ratio	Lower	Upper
173	100		
175	52.0	41.5	62.3
171	55.5	43.7	65.5



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: 11.020 ppbv

RT: 8.74 min Scan# 1851

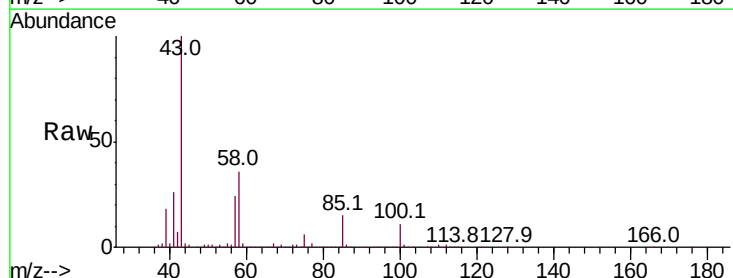
Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

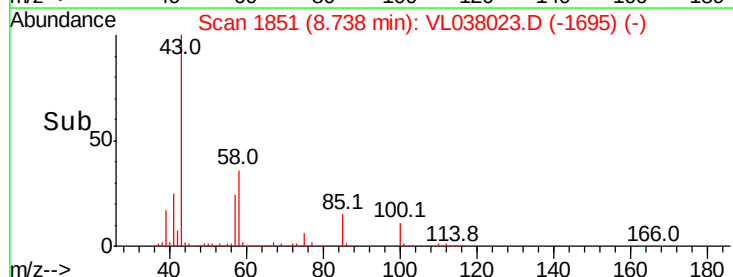
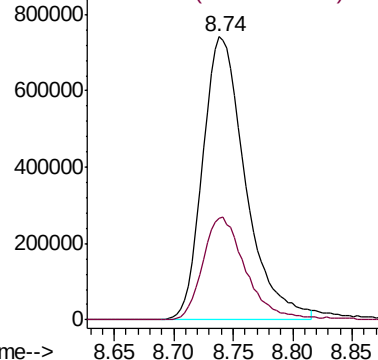
Tgt Ion: 43 Resp: 1841070

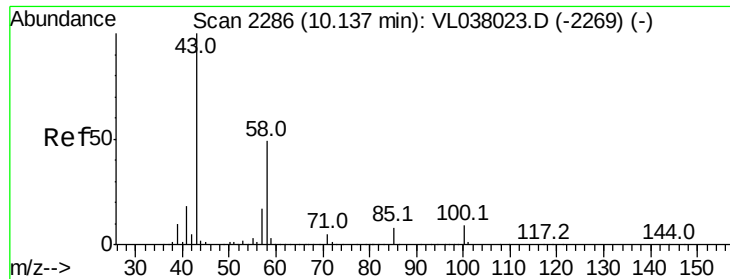
Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.8	44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

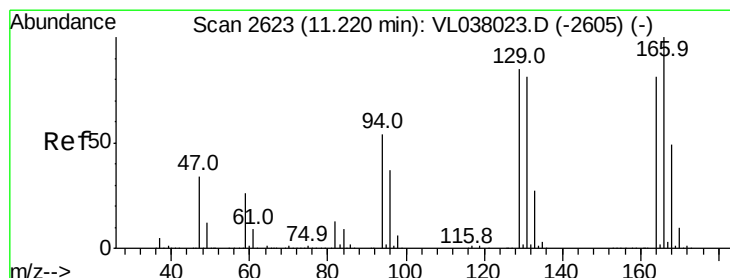
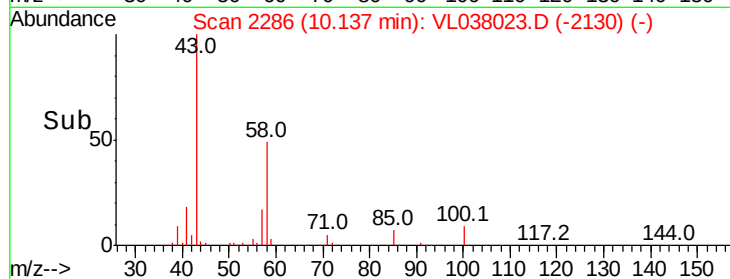
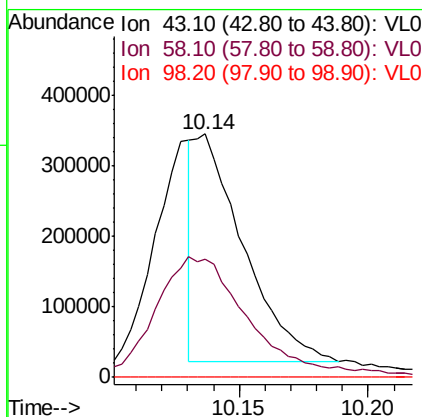
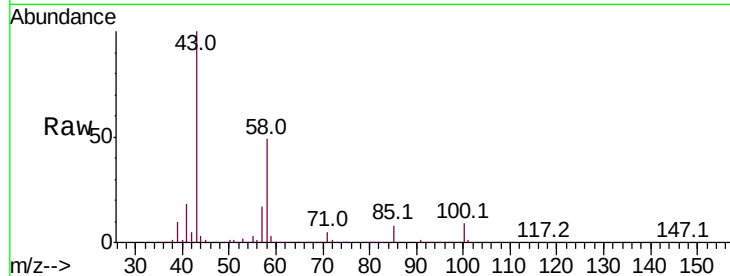
Ion 58.10 (57.80 to 58.80): VL0





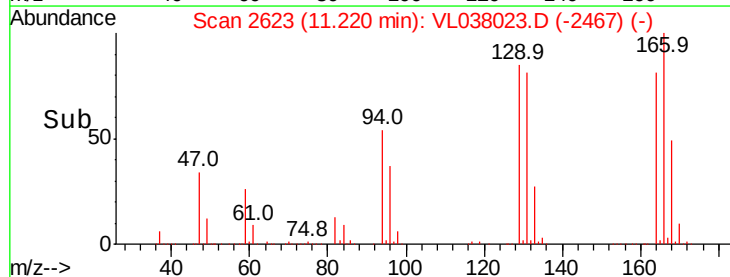
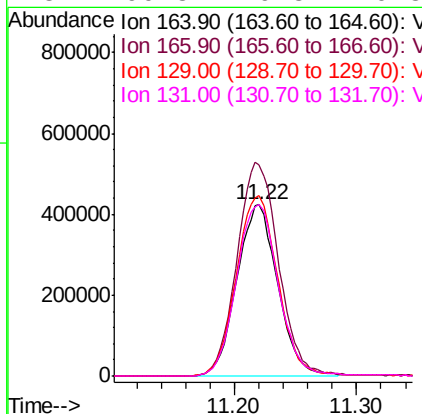
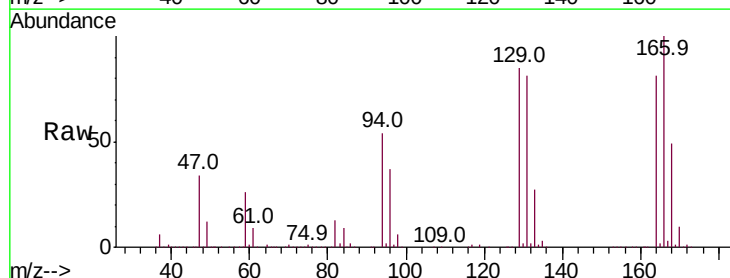
#51
 2-Hexanone
 Concen: 5.833 ppbv
 RT: 10.14 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

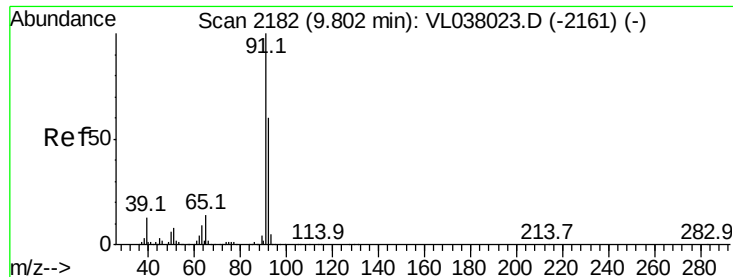
Tot Ion: 43 Resp: 420793
 Ion Ratio Lower Upper
 43 100
 58 106.1 40.2 60.2#
 98 0.2 0.1 0.1#



#52
 Tetrachloroethene
 Concen: 9.314 ppbv
 RT: 11.22 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 164 Resp: 972655
 Ion Ratio Lower Upper
 164 100
 166 123.3 98.6 148.0
 129 105.1 84.1 126.1
 131 99.8 79.8 119.8





#53

Toluene

Concen: 10.943 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

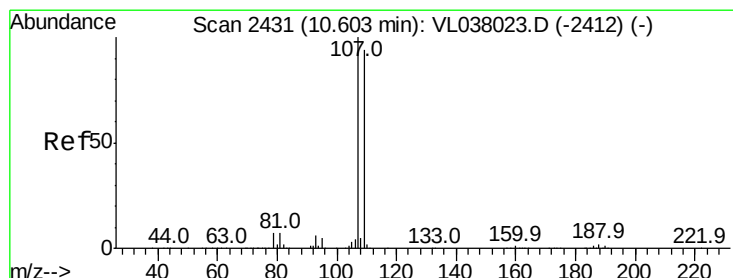
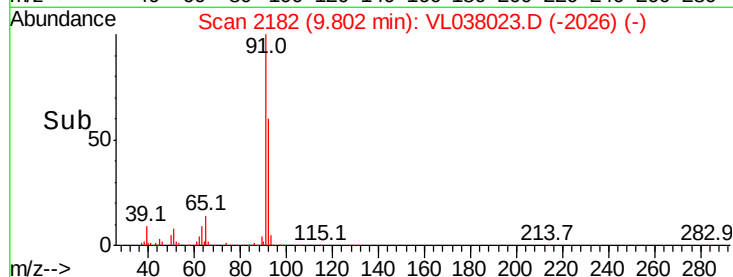
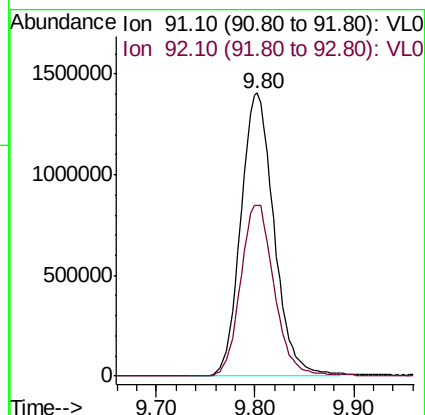
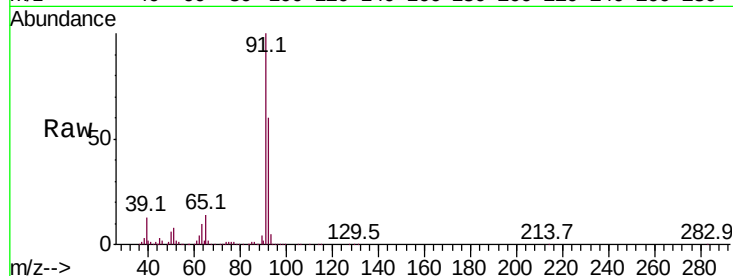
Acq: 16 Nov 2021 1:47

Tot Ion: 91 Resp: 3271573

Ion Ratio Lower Upper

91 100

92 61.9 49.4 74.2



#54

1,2-Dibromoethane

Concen: 10.655 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038023.D

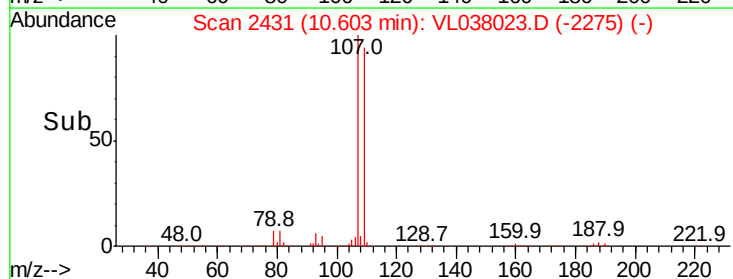
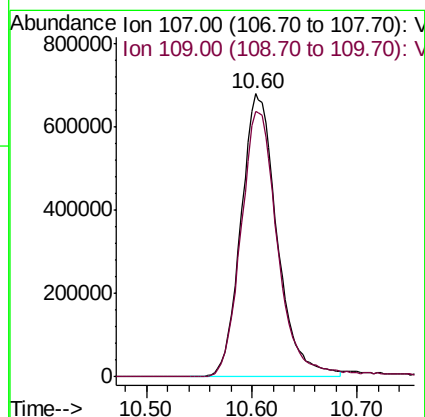
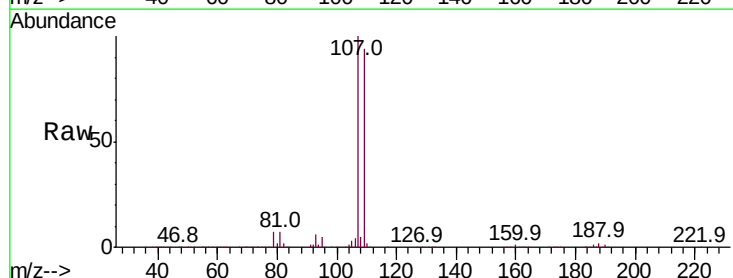
Acq: 16 Nov 2021 1:47

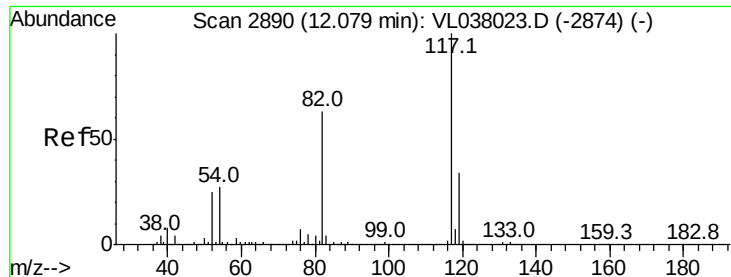
Tgt Ion: 107 Resp: 1621667

Ion Ratio Lower Upper

107 100

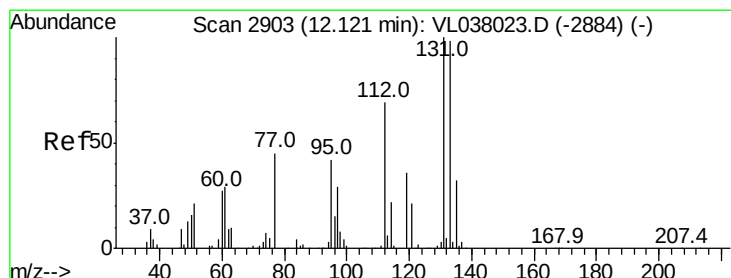
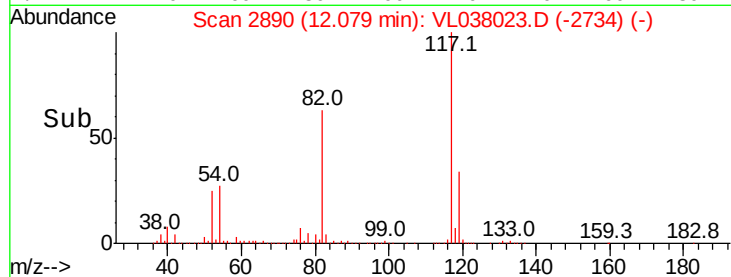
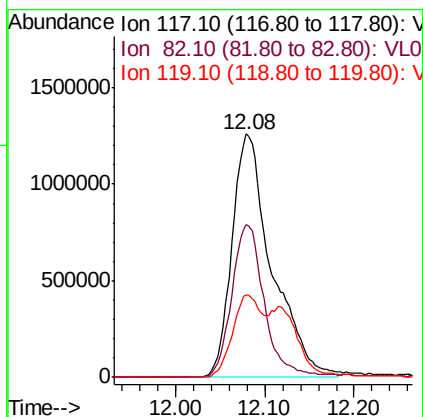
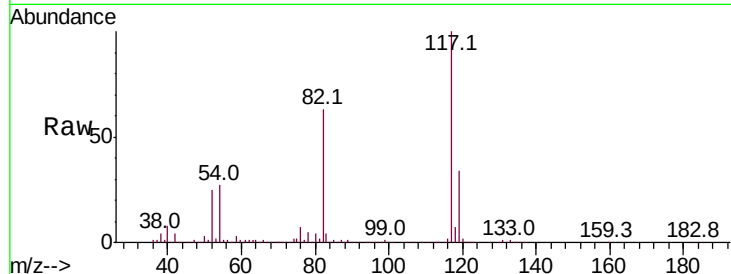
109 93.8 75.0 112.6





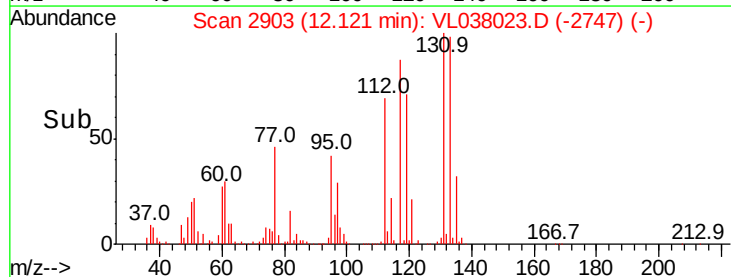
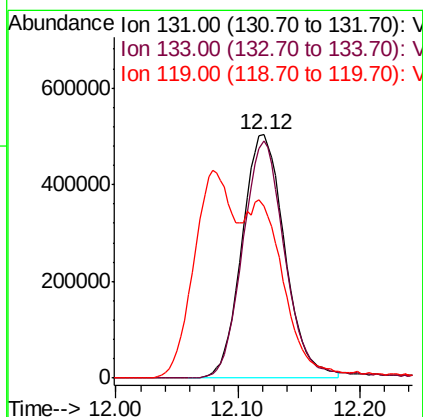
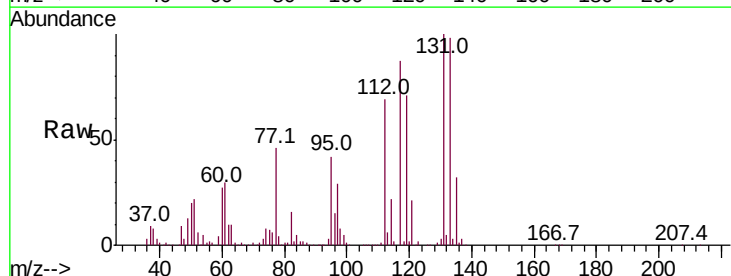
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

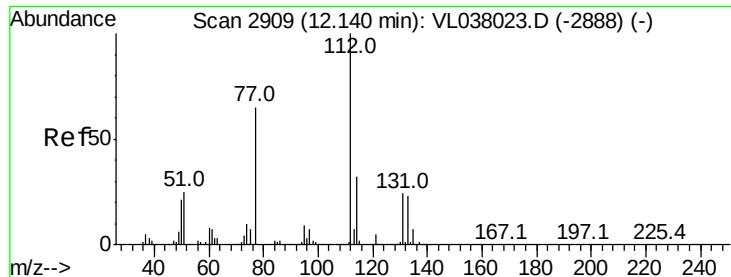
Tot Ion:117 Resp: 3894237
Ion Ratio Lower Upper
117 100
82 53.0 50.0 75.0
119 47.4 44.9 67.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.773 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:131 Resp: 1218006
Ion Ratio Lower Upper
131 100
133 99.3 77.8 116.8
119 153.0 121.1 181.7





#57

Chlorobenzene

Concen: 7.450 ppbv

RT: 12.14 min

Delta R.T. MSVOA.L

Lab File:

Acq: 16 Nov 2021 1:47

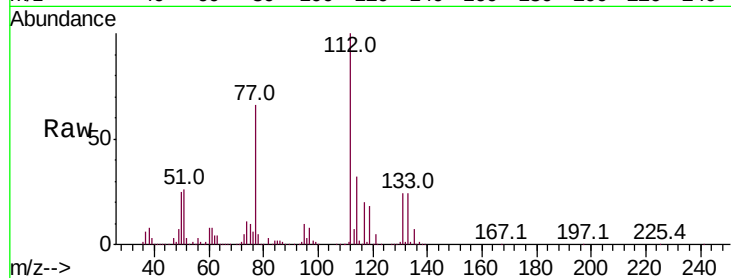
Tot Ion: 112 Resp: 2293681

Ion Ratio Lower Upper

112 100

77 65.1 52.1 78.1

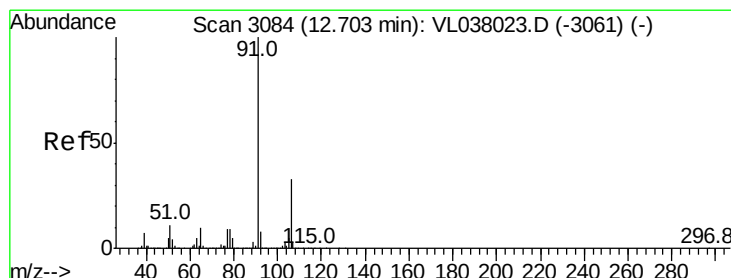
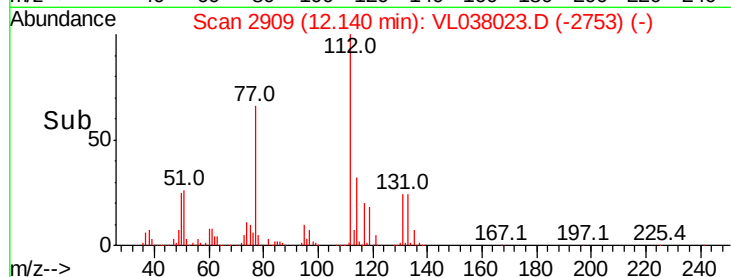
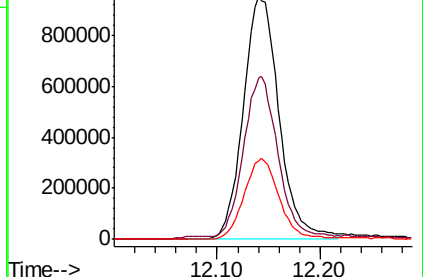
114 32.3 29.1 35.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.782 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL038023.D

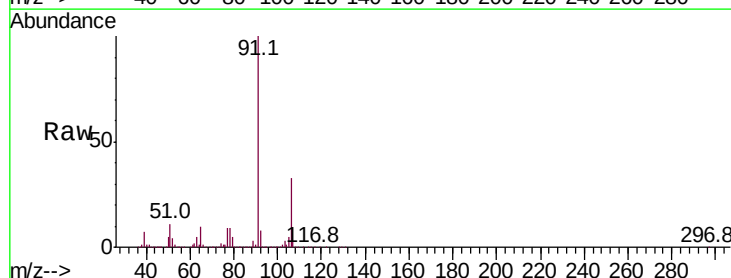
Acq: 16 Nov 2021 1:47

Tgt Ion: 91 Resp: 4200831

Ion Ratio Lower Upper

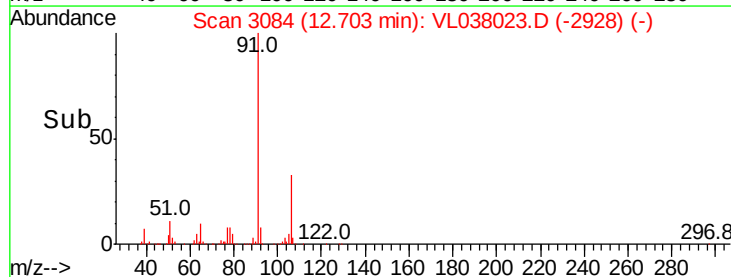
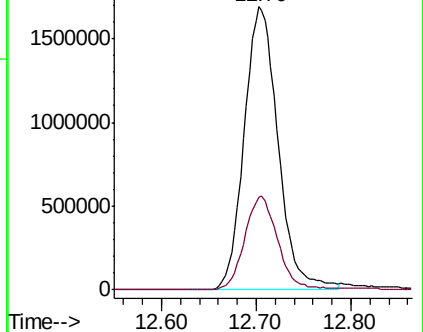
91 100

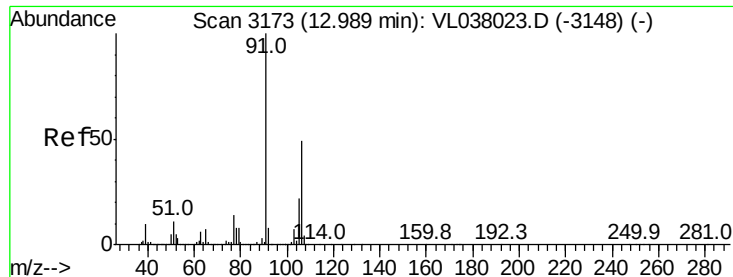
106 32.7 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

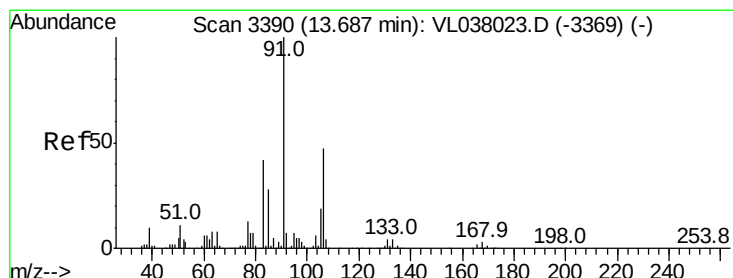
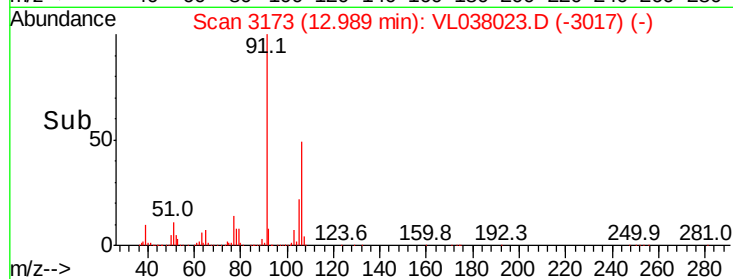
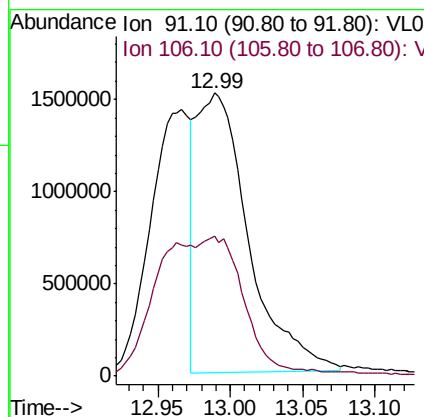
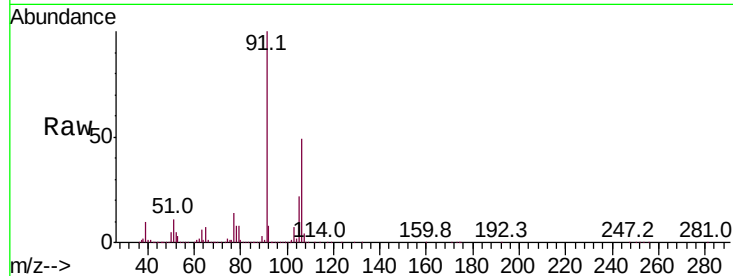
Ion 106.10 (105.80 to 106.80): V





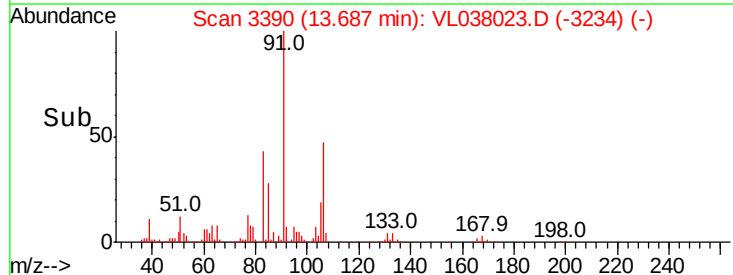
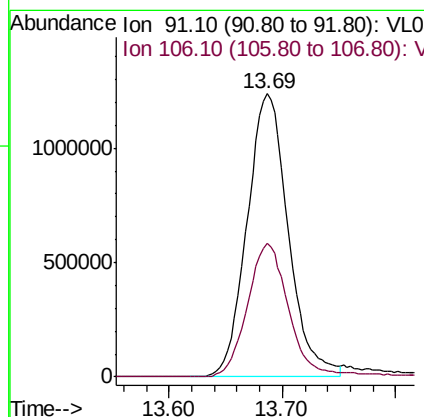
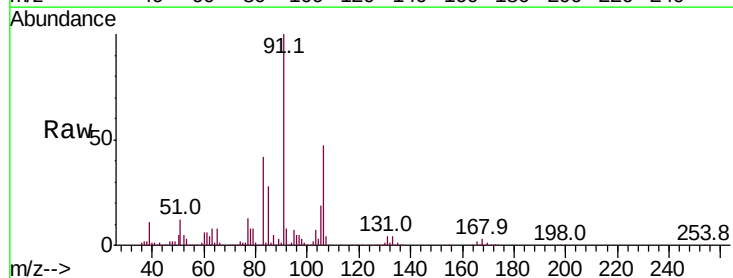
#59
m/p-Xylene
Concen: 8.997 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

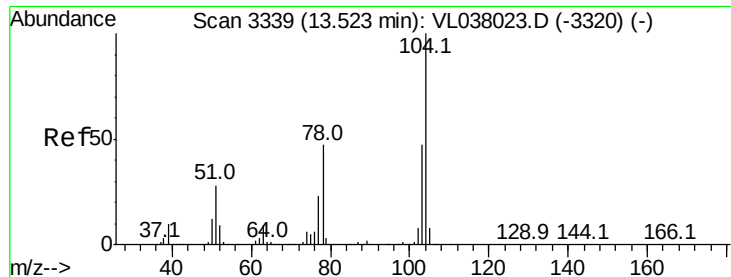
Tot Ion: 91 Resp: 3778030
Ion Ratio Lower Upper
91 100
106 85.9 38.5 57.7#



#60
o-Xylene
Concen: 7.910 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

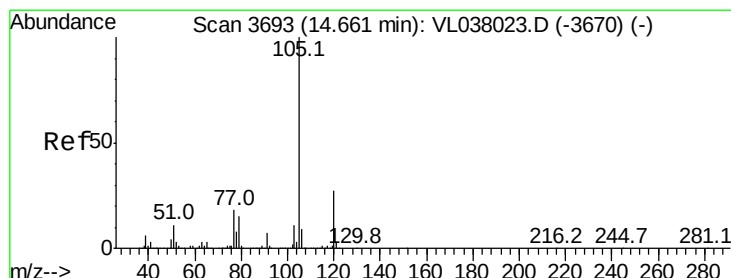
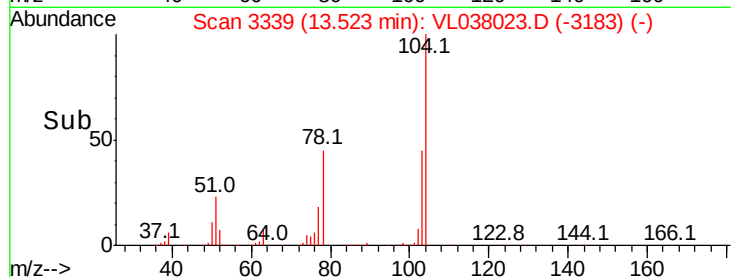
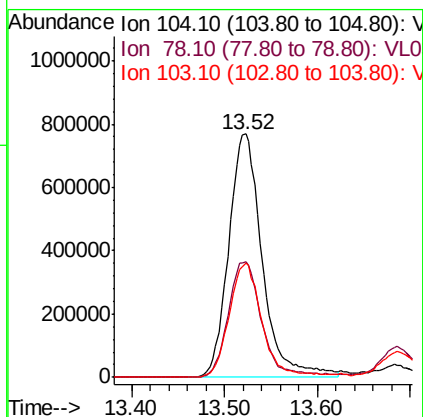
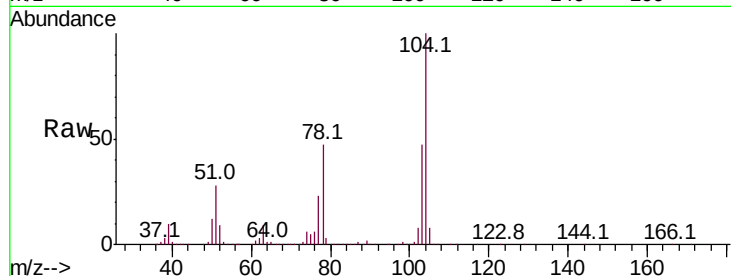
Tgt Ion: 91 Resp: 3126176
Ion Ratio Lower Upper
91 100
106 48.8 24.2 72.6





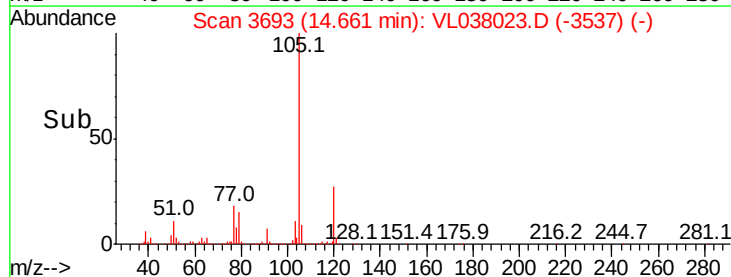
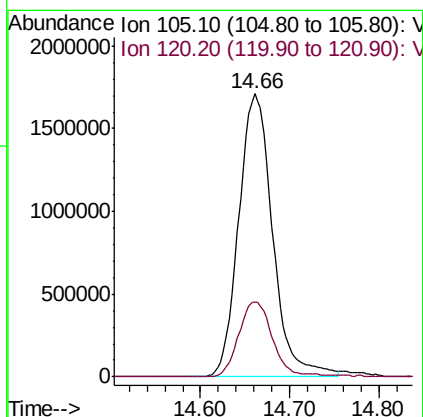
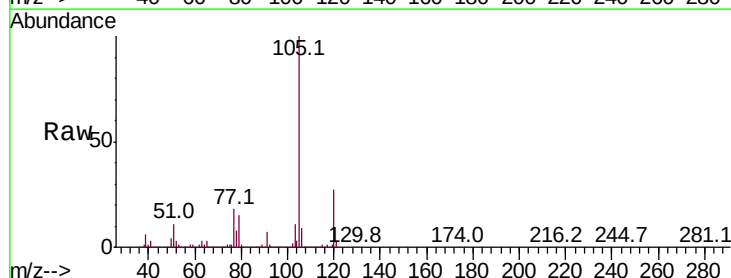
#61
Stvrene
Concen: 10.380 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

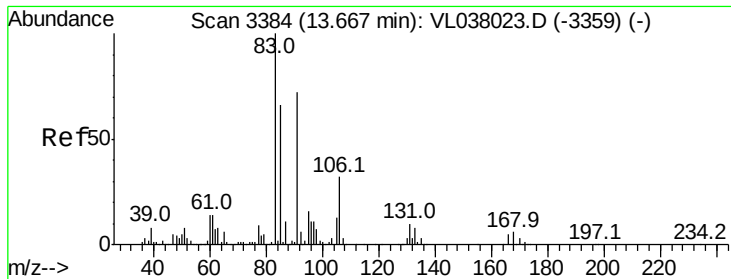
Tot Ion:104 Resp: 1932611
Ion Ratio Lower Upper
104 100
78 48.3 38.7 58.1
103 45.9 36.8 55.2



#62
Isopropylbenzene
Concen: 7.999 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

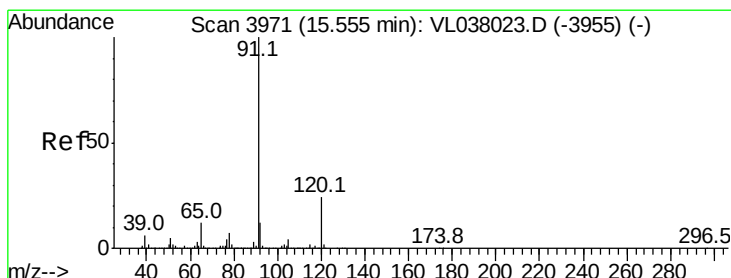
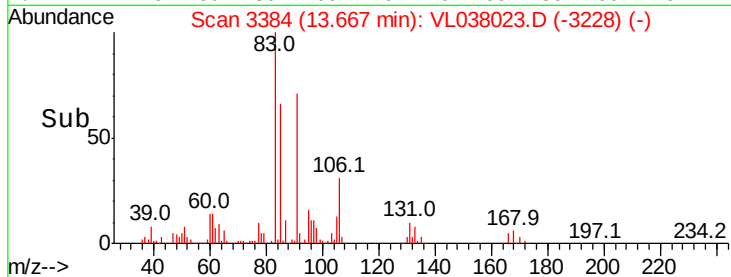
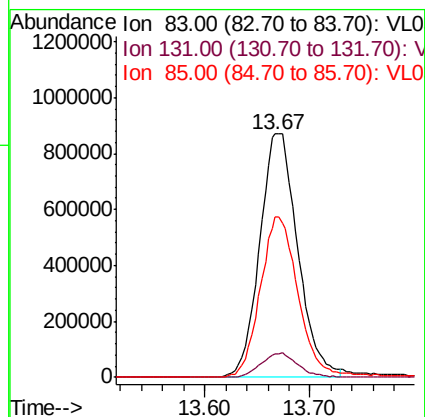
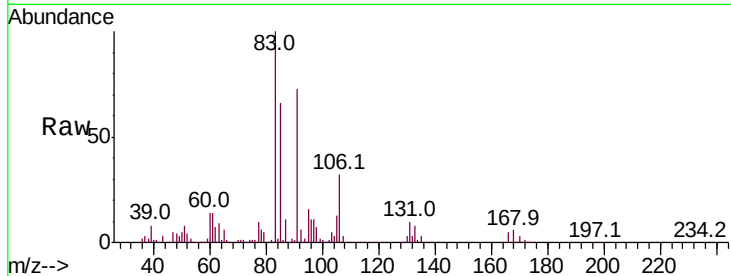
Tgt Ion:105 Resp: 4518172
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5





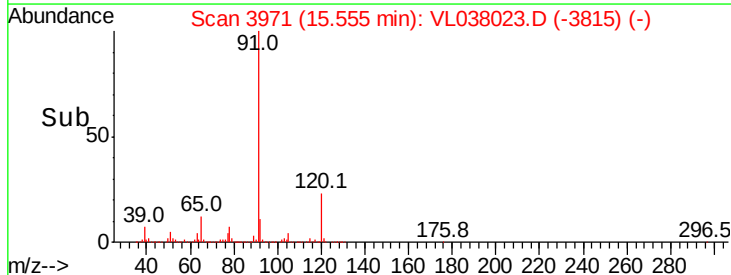
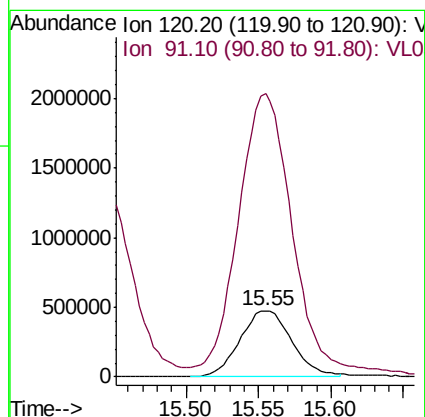
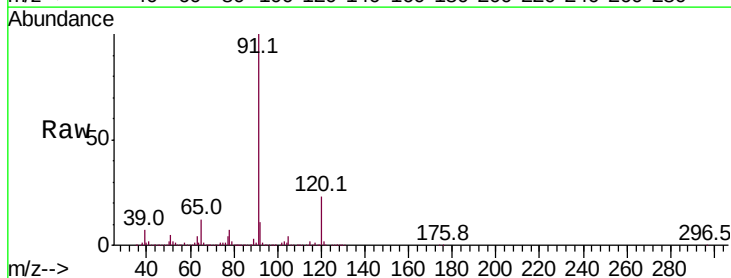
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.420 ppbv
 RT: 13.67 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

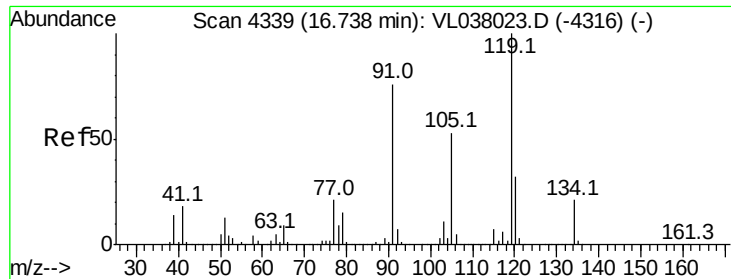
Tot Ion: 83 Resp: 2183339
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 66.8 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.197 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

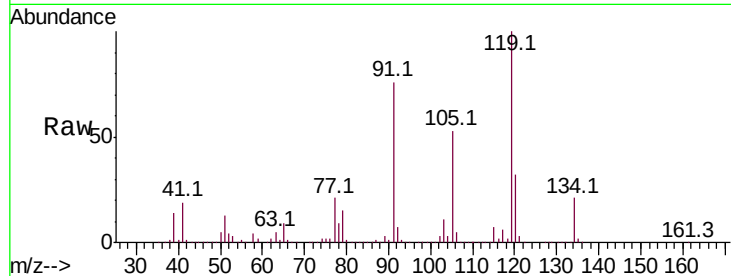
Tgt Ion:120 Resp: 1177653
 Ion Ratio Lower Upper
 120 100
 91 458.4 367.4 551.0



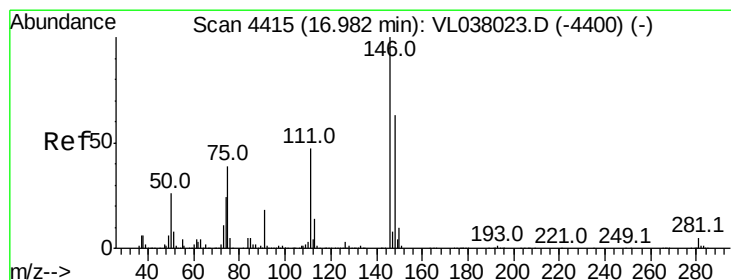
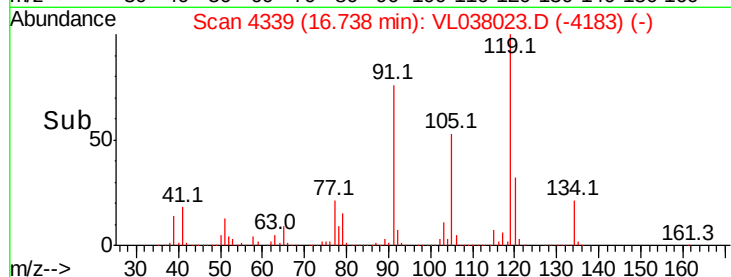
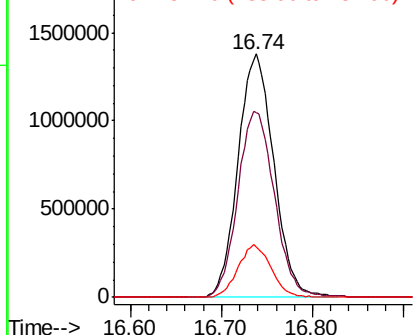


#65
tert-Butylbenzene
Concen: 7.613 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

Tot Ion: 119 Resp: 3774303
Ion Ratio Lower Upper
119 100
91 78.3 62.6 93.8
134 20.1 16.1 24.1

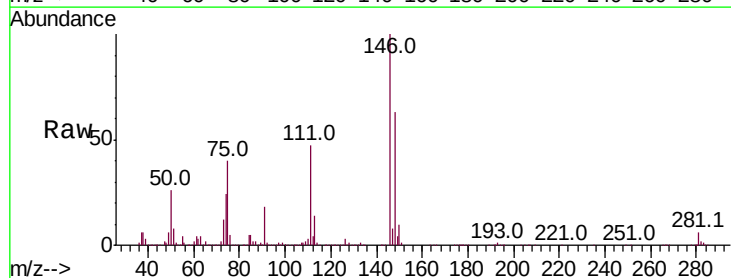


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

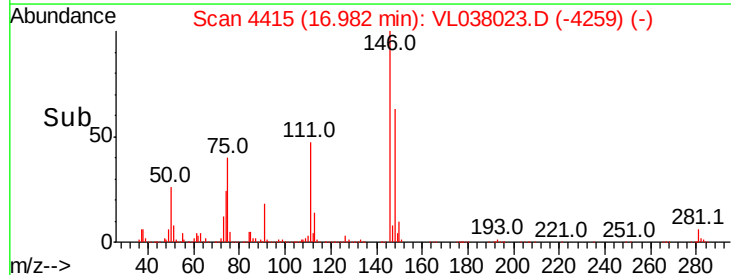
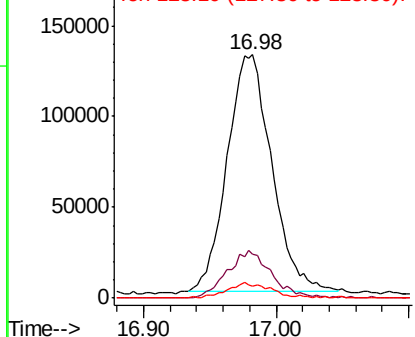


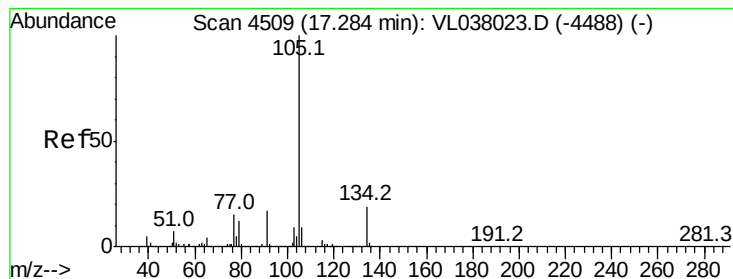
#66
Benzyl Chloride
Concen: 11.216 ppbv
RT: 16.98 min Scan# 4415
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 91 Resp: 302482
Ion Ratio Lower Upper
91 100
126 20.5 16.4 24.6
128 7.0 5.6 8.4



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: 7.674 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

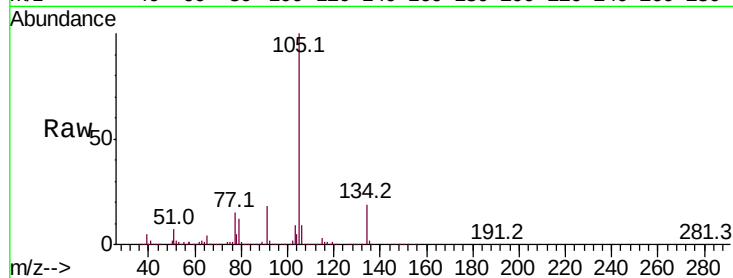
Acq: 16 Nov 2021 1:47

Tot Ion: 105 Resp: 5242918

Ion Ratio Lower Upper

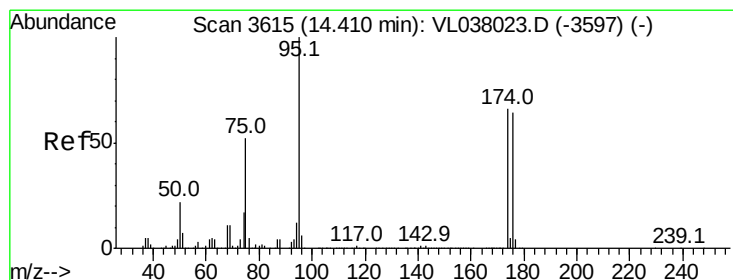
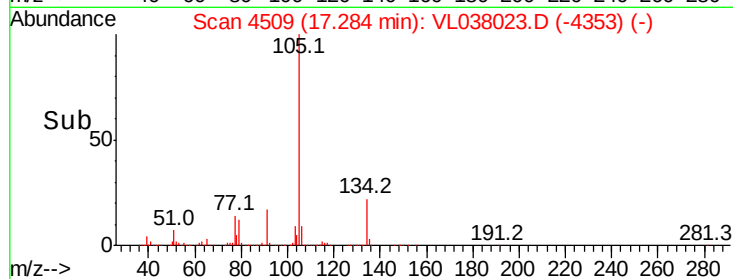
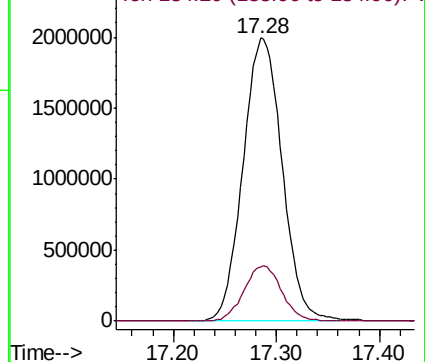
105 100

134 19.1 15.3 22.9



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: 8.258 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

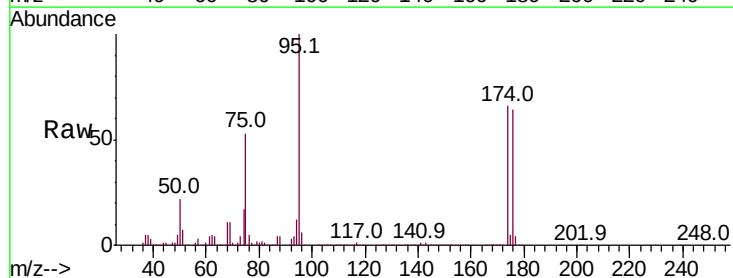
Tgt Ion: 95 Resp: 2310493

Ion Ratio Lower Upper

95 100

174 68.8 54.9 82.3

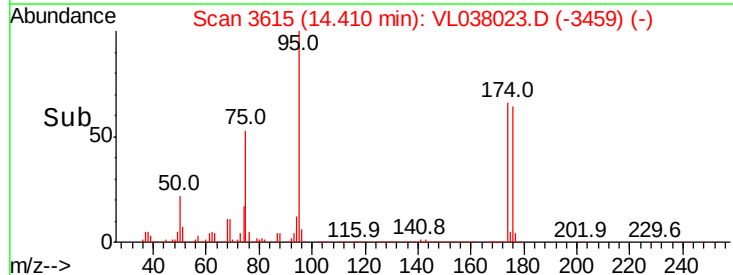
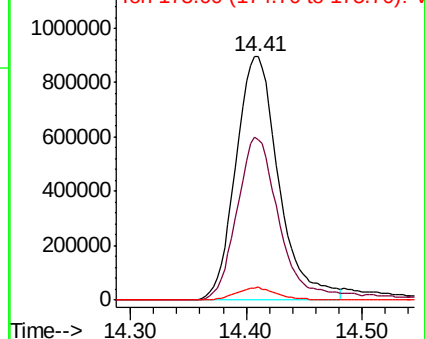
175 5.2 4.0 6.0

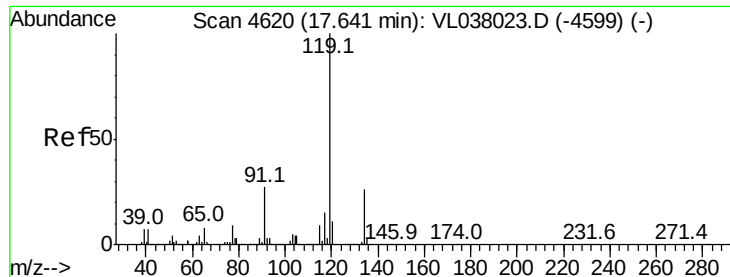


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.828 ppbv

RT: 17.64 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

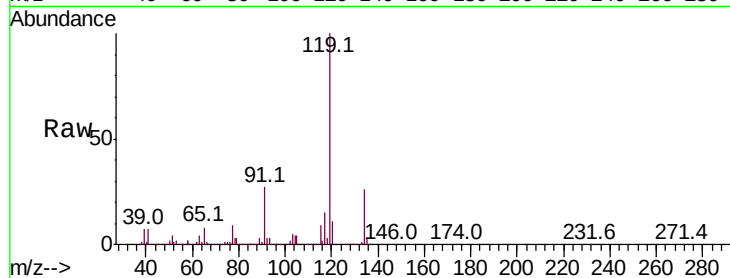
Tot Ion: 119 Resp: 4281417

Ion Ratio Lower Upper

119 100

134 26.5 21.2 31.8

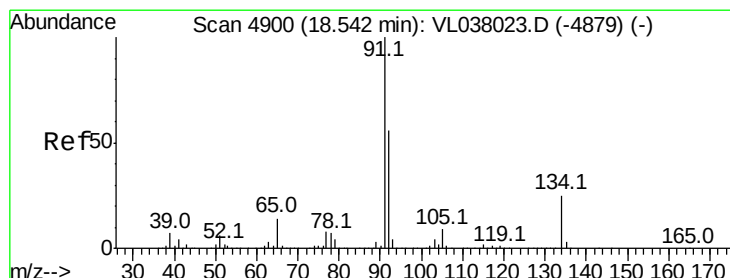
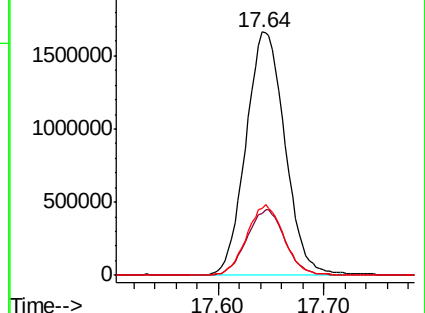
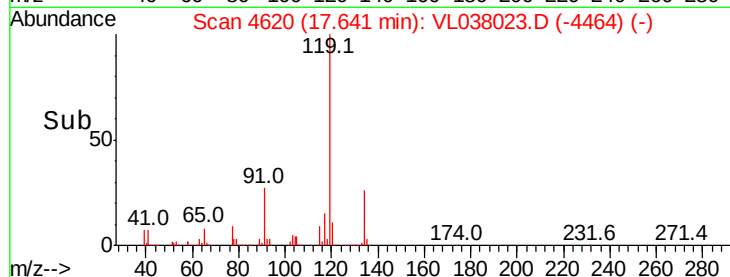
91 27.7 22.2 33.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.134 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

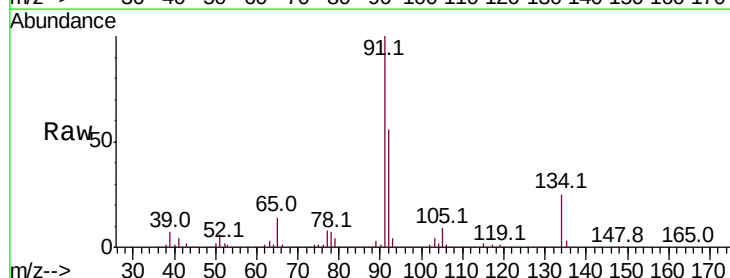
Tgt Ion: 91 Resp: 4084746

Ion Ratio Lower Upper

91 100

92 55.5 44.2 66.2

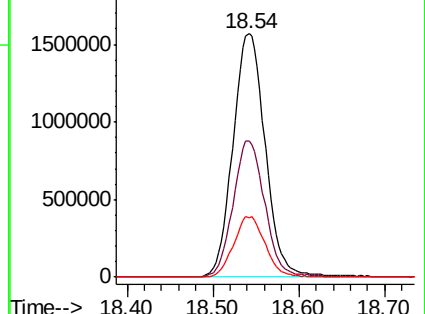
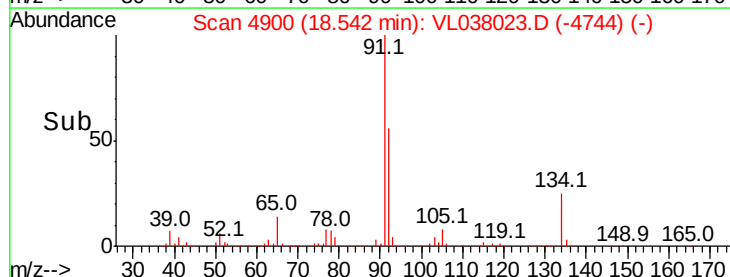
134 24.6 19.7 29.5

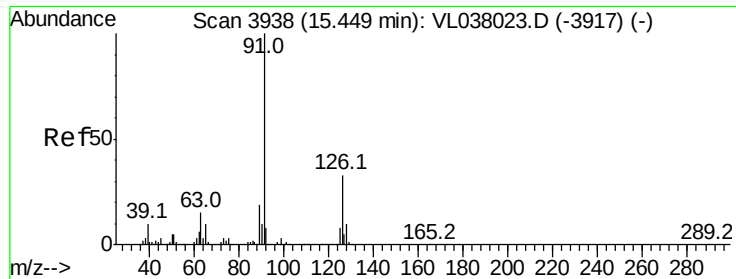


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

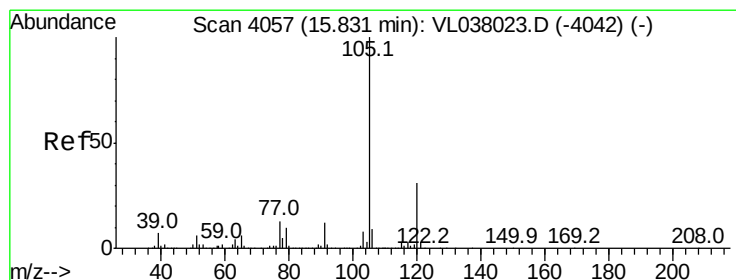
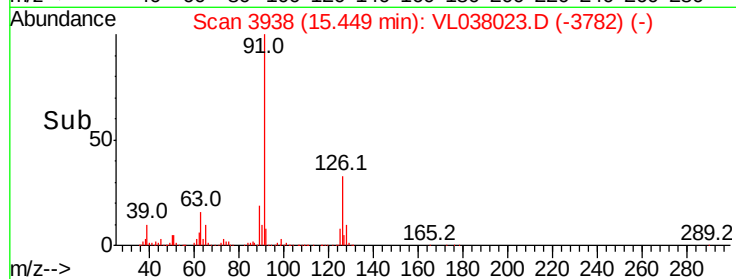
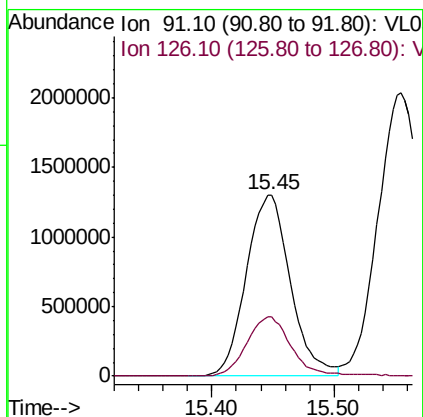
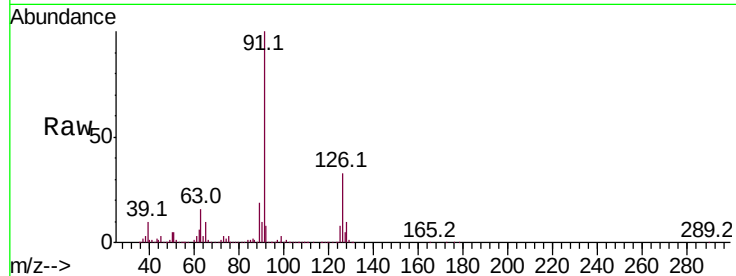
Ion 134.20 (133.90 to 134.90): V





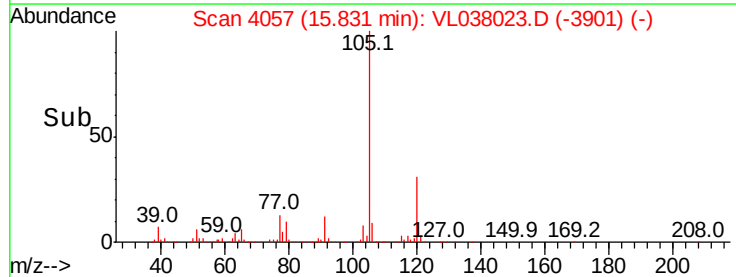
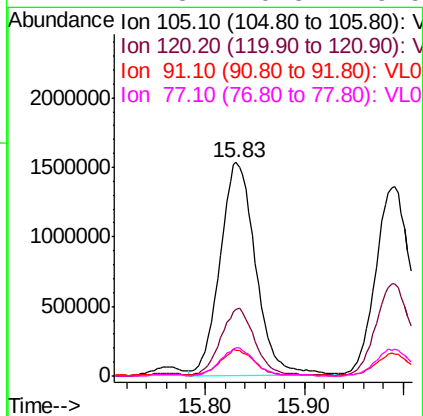
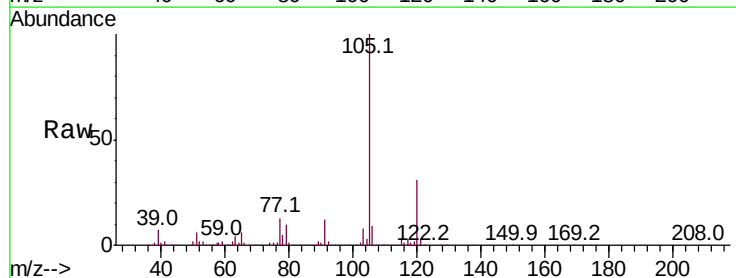
#71
 2-Chlorotoluene
 Concen: 8.266 ppbv
 RT: 15.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

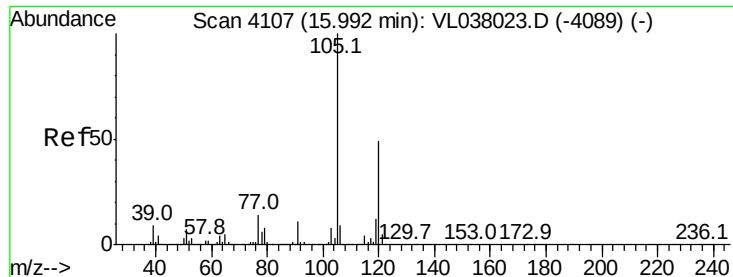
Tot Ion: 91 Resp: 3258095
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.5 54.1



#72
 4-Ethyltoluene
 Concen: 8.488 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

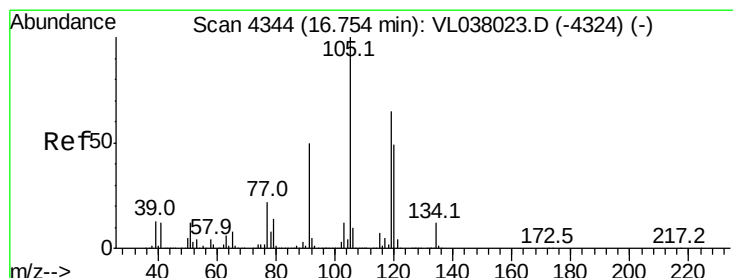
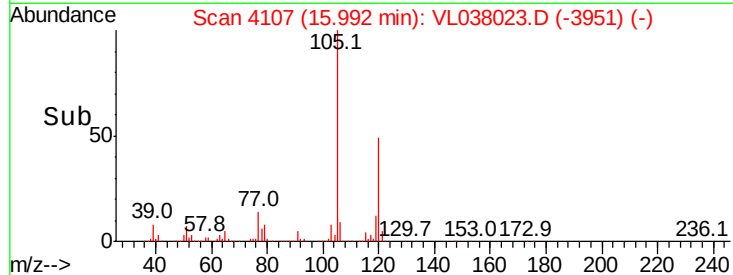
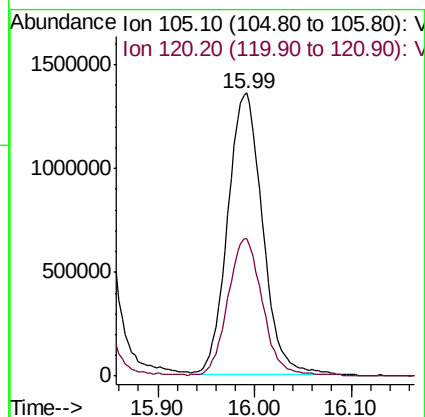
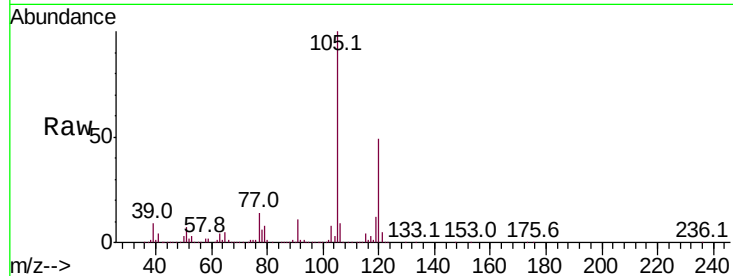
Tgt Ion: 105 Resp: 3883612
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.6 36.8
 91 11.6 9.3 13.9
 77 12.8 10.3 15.5





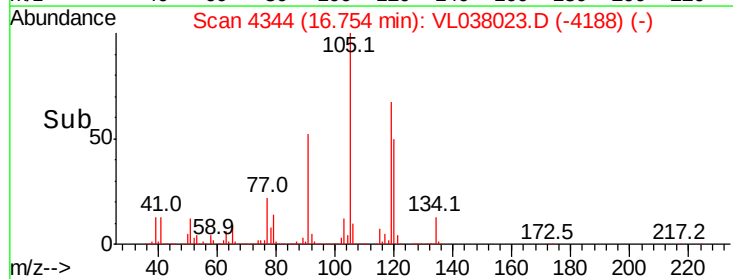
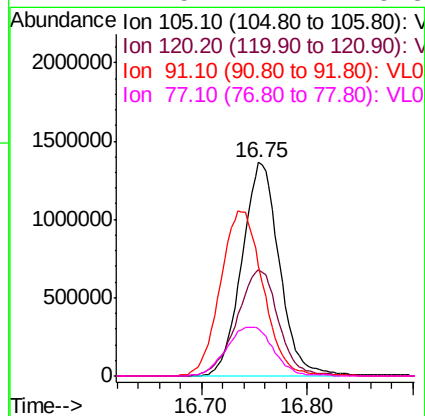
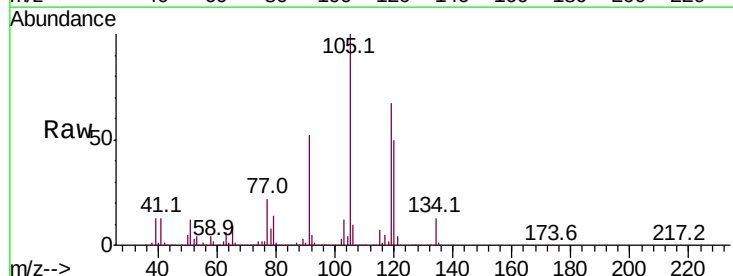
#73
 1,3,5-Trimethylbenzene
 Concen: 8.008 ppbv
 RT: 15.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

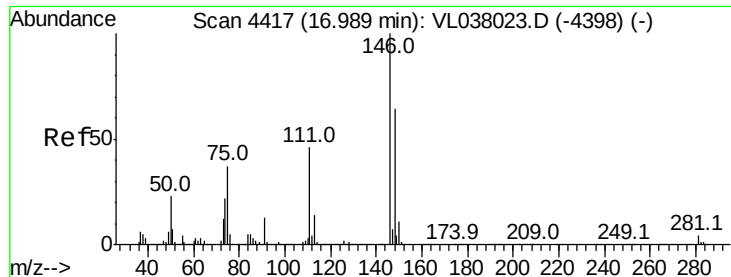
Tot Ion:105 Resp: 3403620
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.8 58.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.588 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion:105 Resp: 3360404
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.5 59.3
 91 51.1 40.9 61.3
 77 21.5 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 7.226 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 1:47

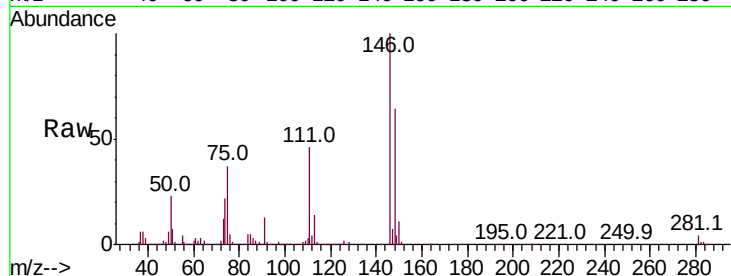
Tot Ion:146 Resp: 1984797

Ion Ratio Lower Upper

146 100

111 46.3 23.1 69.3

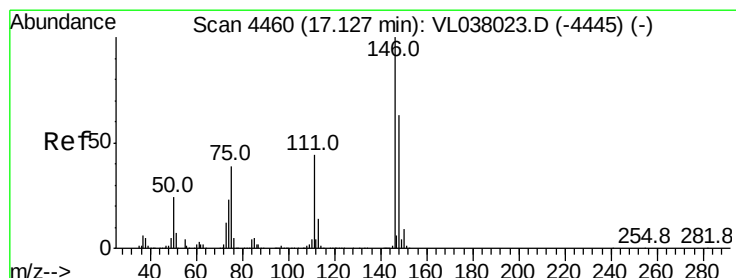
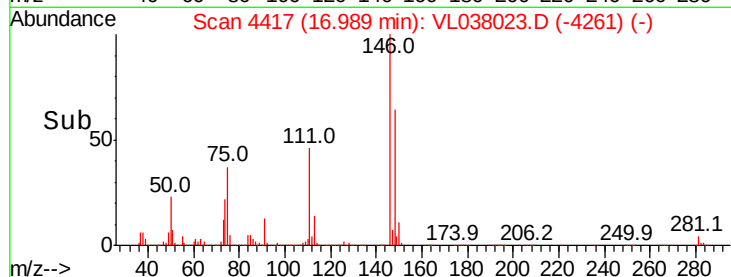
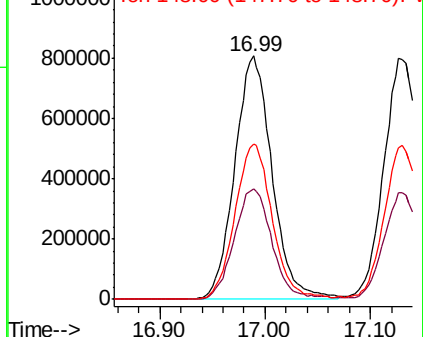
148 64.3 31.9 95.9



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



#76

1,4-Dichlorobenzene

Concen: 7.332 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

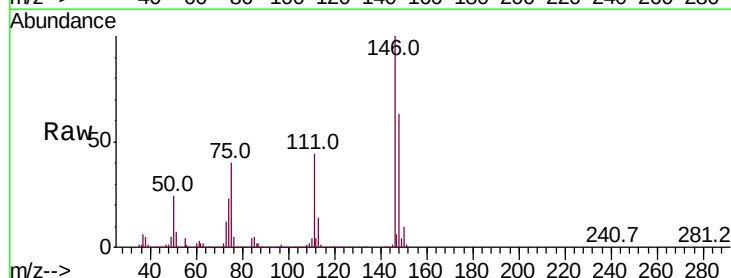
Tgt Ion:146 Resp: 1953590

Ion Ratio Lower Upper

146 100

111 44.8 22.5 67.5

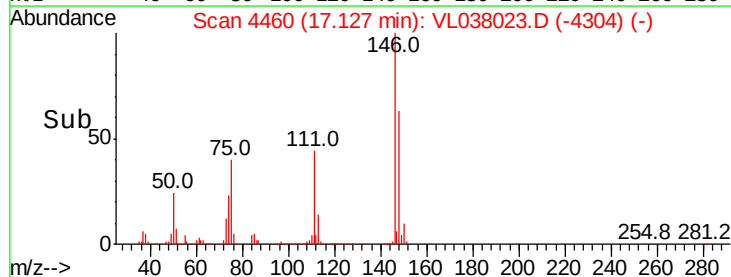
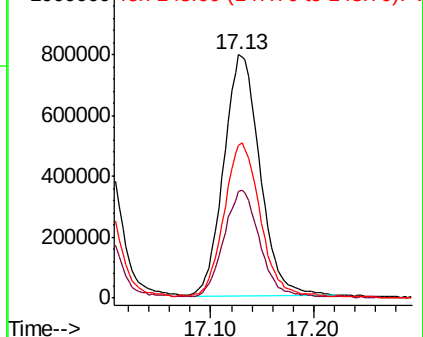
148 64.8 32.6 98.0

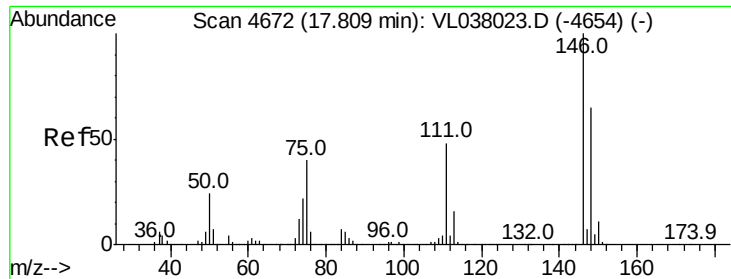


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

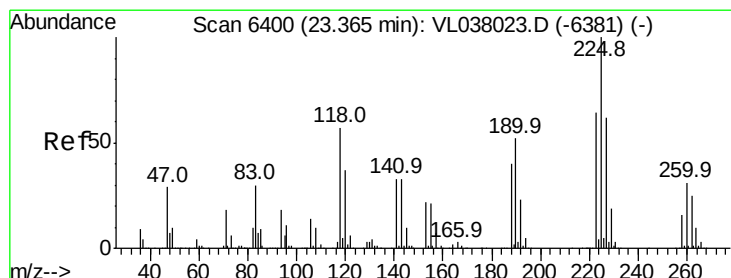
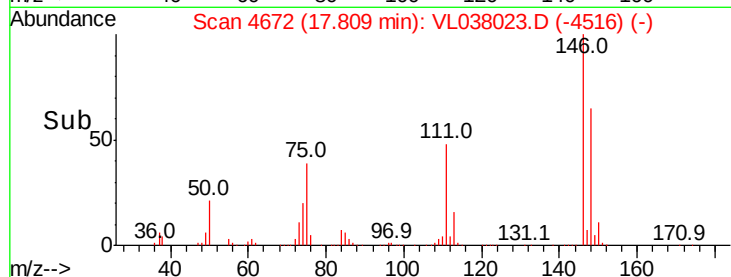
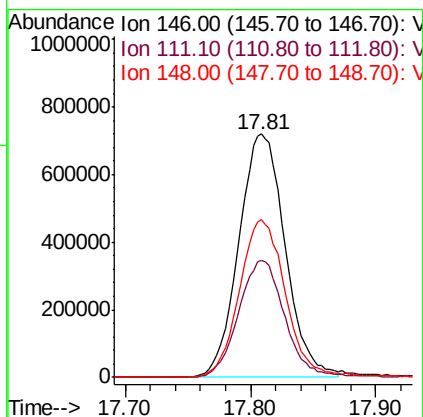
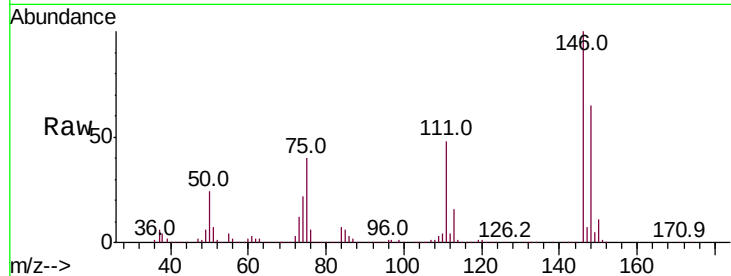
Ion 148.00 (147.70 to 148.70): V





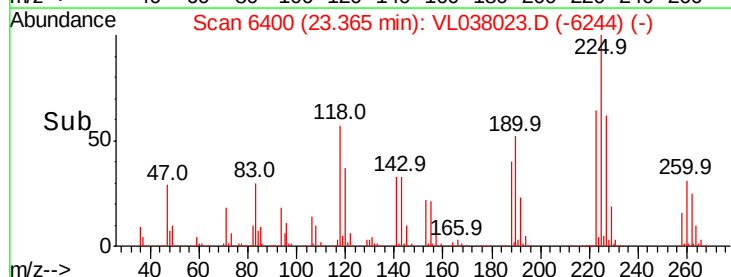
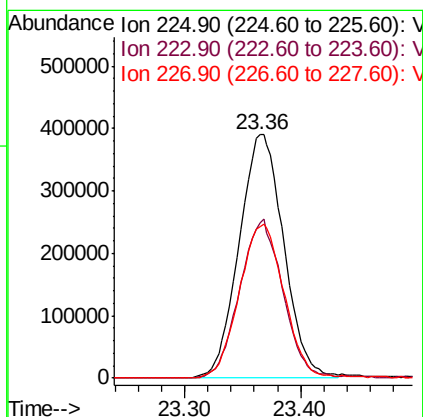
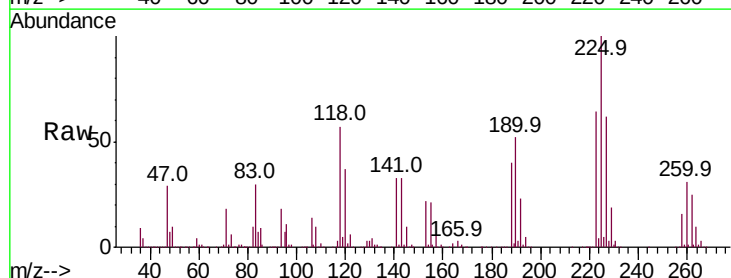
#77
 1,2-Dichlorobenzene
 Concen: 7.102 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

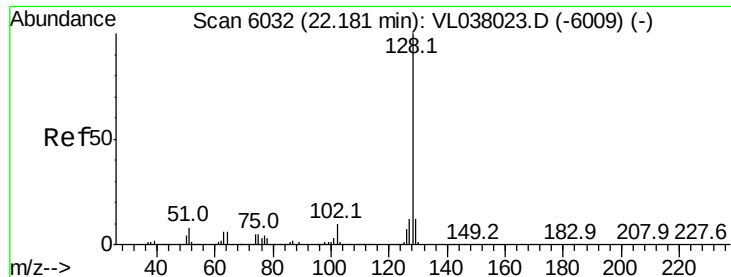
Tot Ion:146 Resp: 1830180
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.2 72.6
 148 64.9 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 4.888 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion:225 Resp: 1040286
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.0 76.4
 227 64.3 51.4 77.2

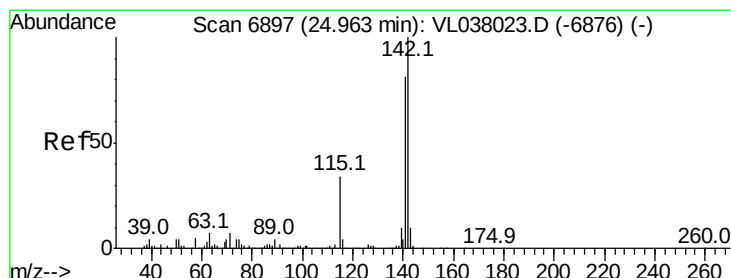
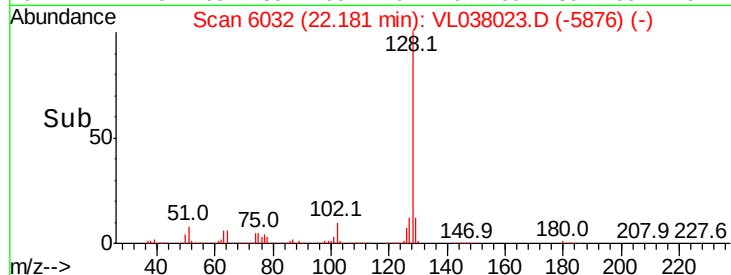
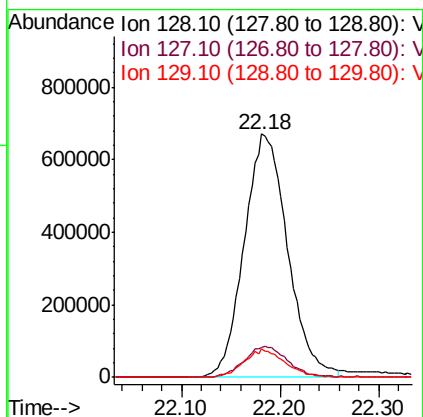
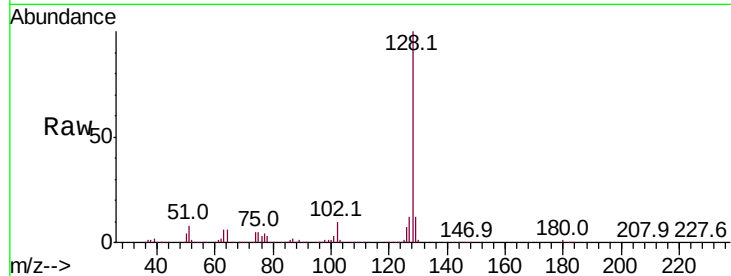




#79
Naphthalene
Concen: 8.388 ppbv
RT: 22.18 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

Tot Ion:128 Resp: 2046496

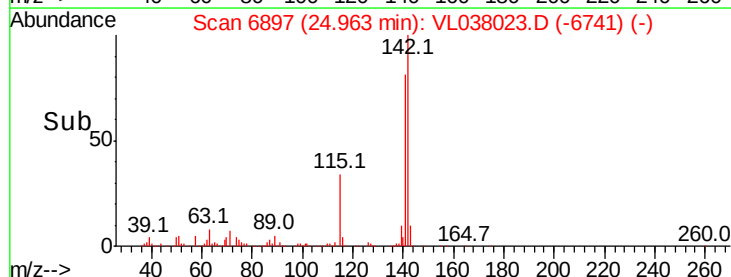
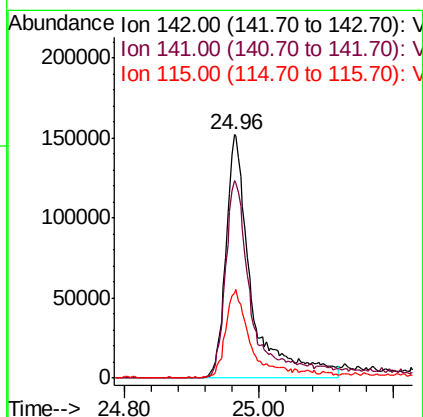
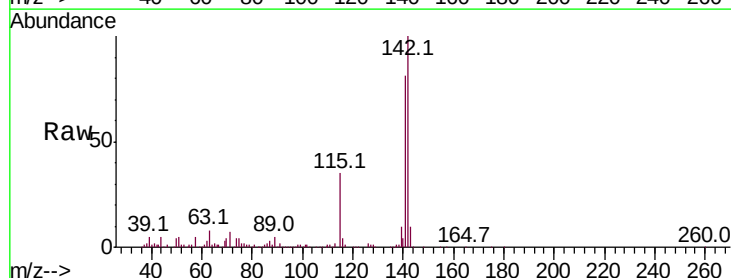
Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	11.7	9.4	14.0

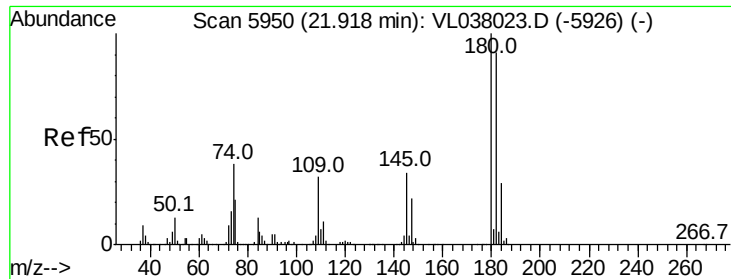


#80
Naphthalene, 2-methyl-
Concen: 9.649 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:142 Resp: 405260

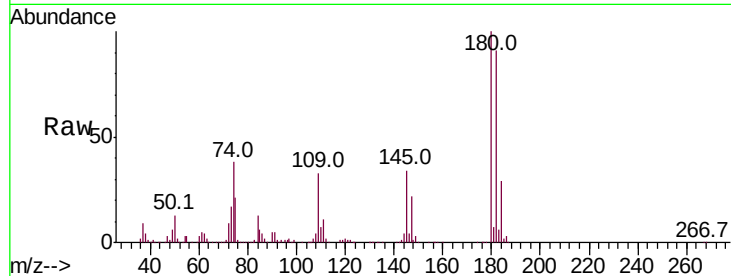
Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.0
115	35.1	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 3.209 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1.47

Tot Ion:	180	Resp:	509147
Ion Ratio	Lower	Upper	
180	100		
182	205.9	78.8	118.2#
184	65.3	24.3	36.5#



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

